

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\  
 Data File : BM018939.D  
 Acq On : 26 Feb 2019 21:01  
 Operator : JU/SJ  
 Sample : K1610-09MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMS

Manual Integrations  
 APPROVED

Sohil  
 2/27/2019 4:20:22 PM

Quant Time: Feb 27 00:54:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 307272   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.48 | 136  | 1113408  | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.34 | 164  | 503093   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.10 | 188  | 953714   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.29 | 240  | 1073016  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.54 | 264  | 1186312  | 20.00 | ng    | -0.03    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.29  | 112 | 2386017 | 127.23 | ng | -0.02 |
| 7) Phenol-d6             | 6.87  | 99  | 3131018 | 118.51 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.86  | 82  | 1995368 | 82.87  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.84 | 330 | 762345  | 105.12 | ng | -0.02 |
| 45) 2-Fluorobiphenyl     | 12.96 | 172 | 1881362 | 49.64  | ng | -0.02 |
| 79) Terphenyl-d14        | 19.73 | 244 | 2431002 | 46.74  | ng | -0.02 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 284940  | 34.885 | ng | 97     |
| 3) Pyridine                    | 3.64  | 79  | 861636  | 38.673 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 274899  | 48.501 | ng | 90     |
| 6) Aniline                     | 7.04  | 93  | 1141157 | 35.254 | ng | 99     |
| 8) 2-Chlorophenol              | 7.26  | 128 | 847647  | 41.168 | ng | 98     |
| 9) Benzaldehyde                | 6.85  | 77  | 462788  | 29.892 | ng | 99     |
| 10) Phenol                     | 6.90  | 94  | 1163206 | 41.845 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.13  | 93  | 829967  | 39.140 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.58  | 146 | 915970  | 39.563 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146 | 933856  | 39.621 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 887723  | 39.210 | ng | 100    |
| 15) Benzyl Alcohol             | 7.95  | 79  | 796300  | 37.933 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 799574  | 38.959 | ng | 98     |
| 17) 2-Methylphenol             | 8.14  | 107 | 686802  | 38.819 | ng | 96     |
| 18) Hexachloroethane           | 8.76  | 117 | 339371  | 39.443 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70  | 726031  | 35.493 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.47  | 107 | 912271  | 37.341 | ng | 99     |
| 22) Acetophenone               | 8.52  | 105 | 1218604 | 39.855 | ng | # 99   |
| 24) Nitrobenzene               | 8.90  | 77  | 1054044 | 42.171 | ng | 100    |
| 25) Isophorone                 | 9.42  | 82  | 1704754 | 44.370 | ng | 100    |
| 26) 2-Nitrophenol              | 9.60  | 139 | 425016  | 42.699 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.66  | 122 | 679577  | 46.744 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 9.90  | 93  | 1021940 | 41.132 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.13 | 162 | 676703  | 40.538 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.35 | 180 | 785861  | 40.764 | ng | 99     |
| 31) Naphthalene                | 10.53 | 128 | 2397064 | 44.143 | ng | 100    |
| 32) Benzoic acid               | 9.77  | 122 | 95730   | 7.549  | ng | 93     |
| 33) 4-Chloroaniline            | 10.66 | 127 | 479378  | 19.749 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.79 | 225 | 443143  | 39.602 | ng | 99     |
| 35) Caprolactam                | 11.47 | 113 | 180651m | 26.517 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.78 | 107 | 704614  | 35.009 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.15 | 142 | 1592712 | 41.659 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.37 | 142 | 1489821 | 39.850 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 723003  | 44.925 | ng | 100    |

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Instrument :  
 BNA\_M  
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 WV-EMS

Manual Integrations  
 APPROVED

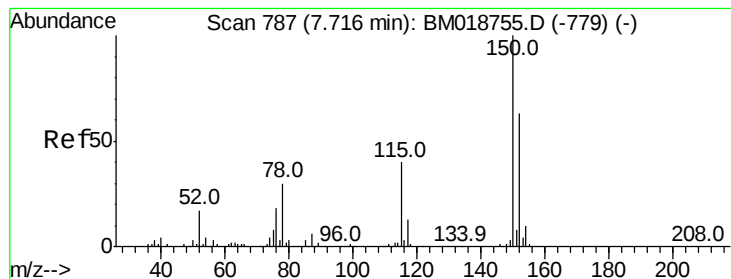
Sohil  
 2/27/2019 4:20:22 PM

Quant Time: Feb 27 00:54:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.48 | 237  | 424772   | 51.624 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.77 | 196  | 476405   | 44.717 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.84 | 196  | 483337   | 43.284 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.17 | 154  | 1875829  | 43.316 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.22 | 162  | 1452960  | 43.439 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.44 | 65   | 474306   | 42.696 | ng    | 100      |
| 49) Acenaphthylene             | 14.07 | 152  | 2232824  | 44.831 | ng    | 99       |
| 50) Dimethylphthalate          | 13.81 | 163  | 1841985  | 43.932 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.94 | 165  | 362303   | 39.890 | ng    | 98       |
| 52) Acenaphthene               | 14.41 | 154  | 1307909  | 42.827 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.27 | 138  | 271825   | 26.488 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.49 | 184  | 118357   | 24.820 | ng    | 97       |
| 55) Dibenzofuran               | 14.74 | 168  | 2009817  | 40.039 | ng    | 100      |
| 56) 4-Nitrophenol              | 14.59 | 139  | 572085   | 69.834 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 470301   | 37.582 | ng    | 95       |
| 58) Fluorene                   | 15.40 | 166  | 1597426  | 41.598 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 389135   | 39.425 | ng    | 99       |
| 60) Diethylphthalate           | 15.17 | 149  | 1582575  | 36.591 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.39 | 204  | 766767   | 35.612 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 319476   | 31.755 | ng    | 97       |
| 63) Azobenzene                 | 15.69 | 77   | 1756034  | 37.867 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 140124   | 20.926 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.62 | 169  | 1294669  | 42.967 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.29 | 248  | 432225   | 40.489 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.39 | 284  | 492728   | 39.710 | ng    | 99       |
| 69) Atrazine                   | 16.57 | 200  | 366685   | 37.748 | ng    | 99       |
| 70) Pentachlorophenol          | 16.74 | 266  | 617269   | 77.261 | ng    | 99       |
| 71) Phenanthrene               | 17.14 | 178  | 2356002  | 45.967 | ng    | 100      |
| 72) Anthracene                 | 17.23 | 178  | 2306292  | 46.230 | ng    | 100      |
| 73) Carbazole                  | 17.51 | 167  | 2062271  | 39.568 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.06 | 149  | 2394355  | 39.945 | ng    | 100      |
| 75) Fluoranthene               | 19.16 | 202  | 2661697  | 44.957 | ng    | 99       |
| 77) Benzidine                  | 19.36 | 184  | 2031310  | 84.057 | ng    | 100      |
| 78) Pyrene                     | 19.53 | 202  | 2722278  | 43.683 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 1181741  | 41.608 | ng    | 100      |
| 81) Benzo(a)anthracene         | 21.27 | 228  | 2750998  | 43.982 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 1011612  | 40.923 | ng    | 99       |
| 83) Chrysene                   | 21.33 | 228  | 2586714  | 43.147 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 1849317  | 44.488 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.07 | 149  | 3067920  | 43.912 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 3640226  | 52.592 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.86 | 252  | 2990311  | 44.057 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.91 | 252  | 2885068  | 42.696 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.44 | 252  | 2904919  | 45.179 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.84 | 278  | 3079011  | 48.334 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.53 | 276  | 3012755  | 50.800 | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





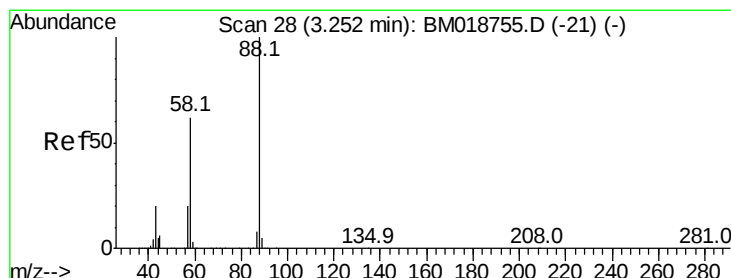
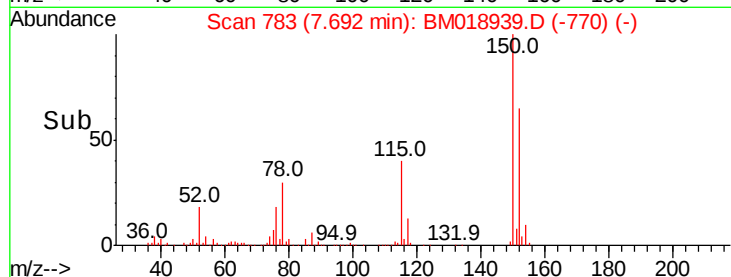
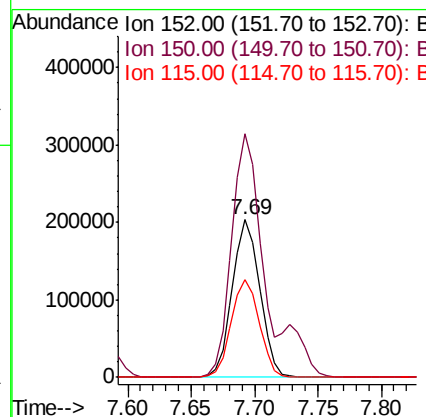
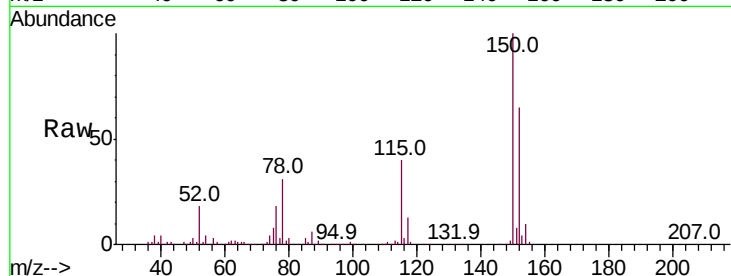
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.69 min Scan# 783  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampled :  
 WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 127.3 | 190.9 |
| 115     | 61.9  | 50.8  | 76.2  |

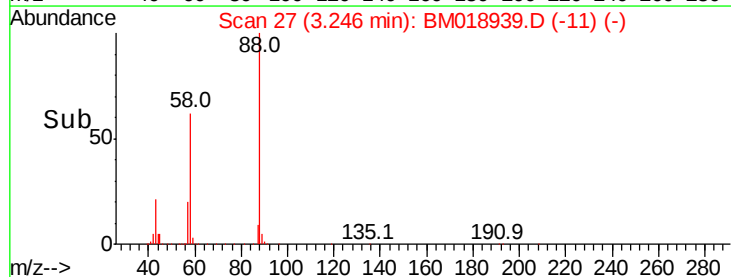
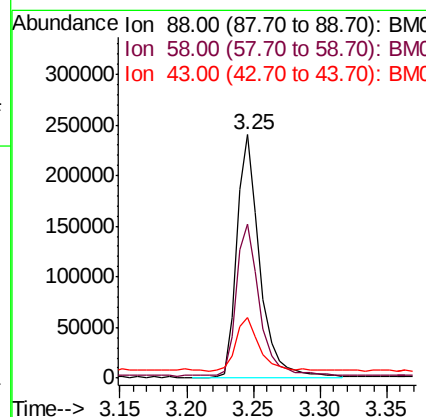
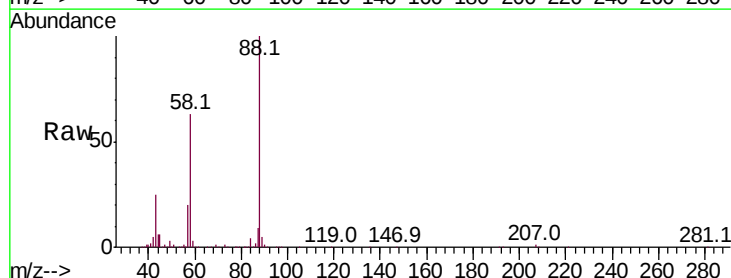
Manual Integrations  
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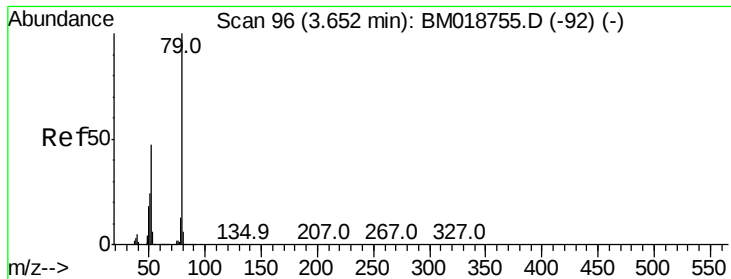
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#2  
 1,4-Dioxane  
 Concen: 34.885 ng  
 RT: 3.25 min Scan# 27  
 Delta R.T. -0.01 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 63.7  | 49.8  | 74.6  |
| 43      | 22.9  | 16.7  | 25.1  |





#3

Pvridine

Concen: 38.673 ng

RT: 3.64 min Scan# 94

Delta R.T. -0.01 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

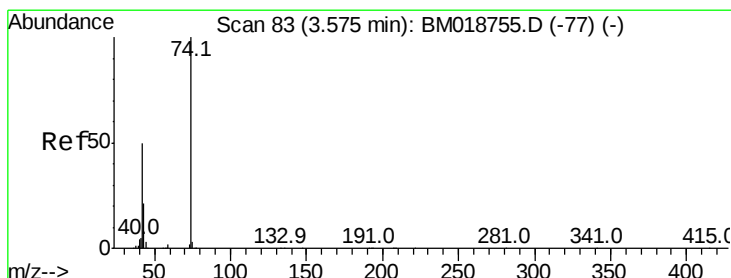
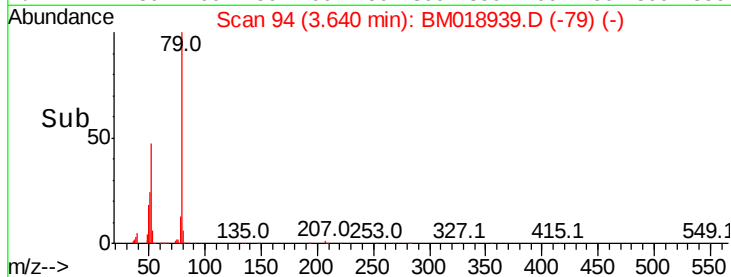
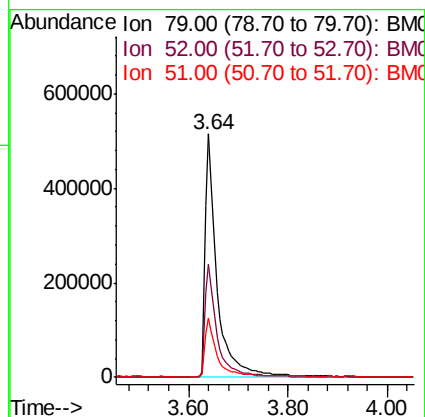
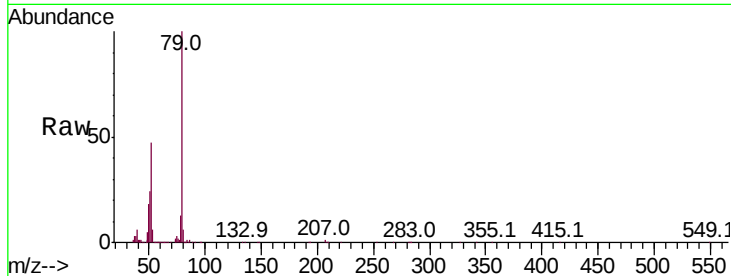
ClientSampleId :

WV-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 861636 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 46.5  | 37.6  | 56.4   |
| 51        | 24.1  | 19.7  | 29.5   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 48.501 ng

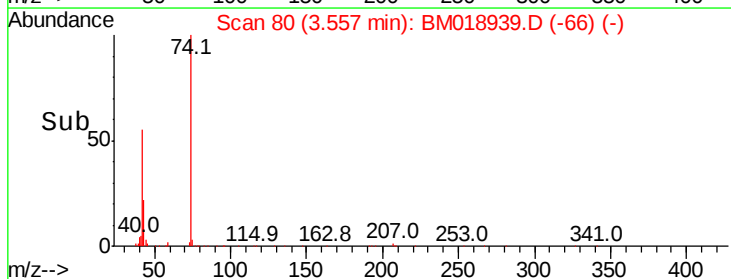
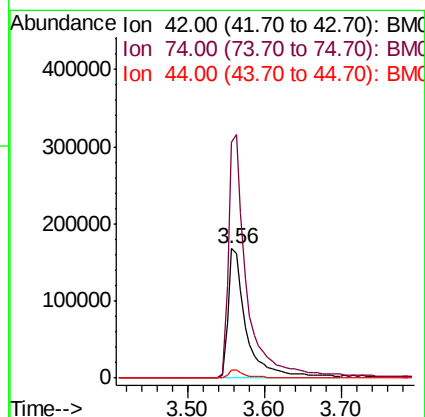
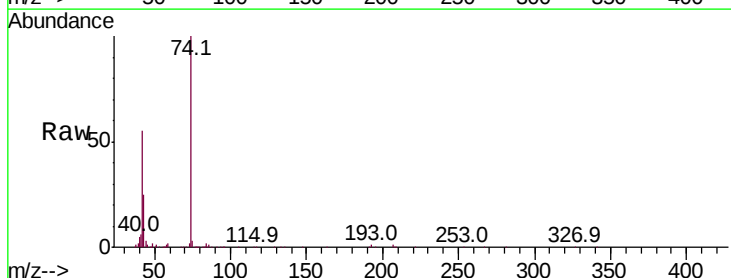
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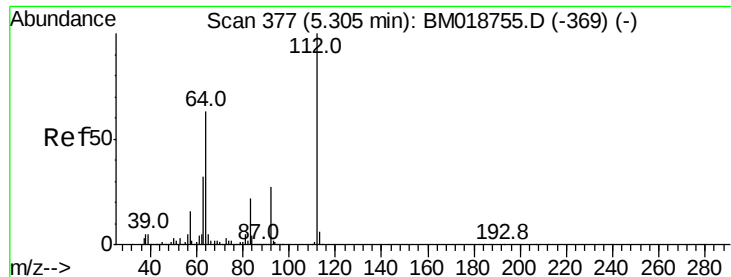
Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 274899 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 181.6 | 158.1 | 237.1  |
| 44        | 5.8   | 4.9   | 7.3    |





#5

2-Fluorophenol

Concen: 127.230 ng

RT: 5.29 min Scan# 374

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion:112 Resp: 2386017

Ion Ratio Lower Upper

112 100

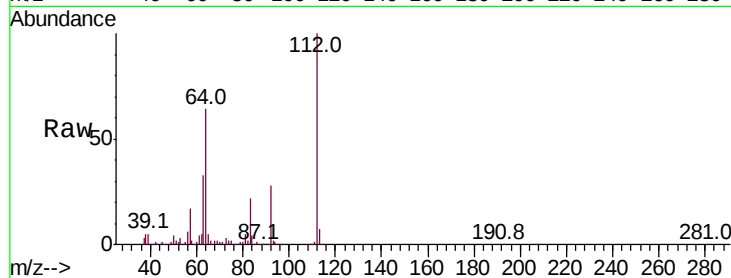
64 64.3 50.6 75.8

63 32.9 25.7 38.5

Manual Integrations  
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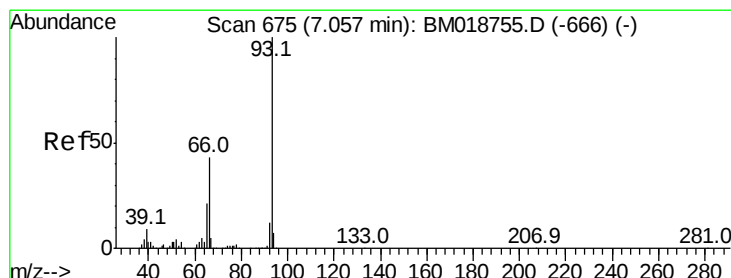
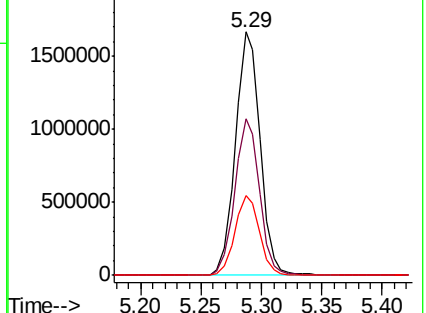
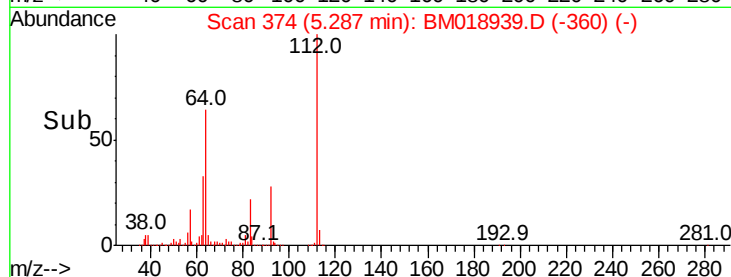
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 35.254 ng

RT: 7.04 min Scan# 672

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

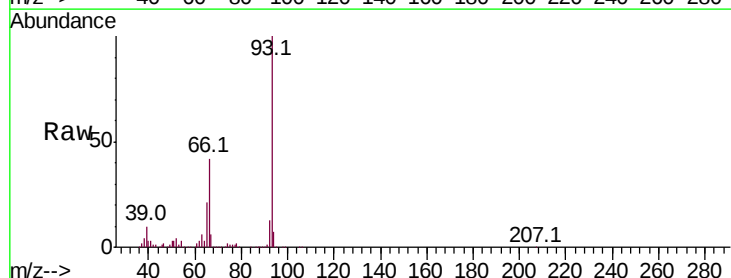
Tgt Ion: 93 Resp: 1141157

Ion Ratio Lower Upper

93 100

66 42.3 34.1 51.1

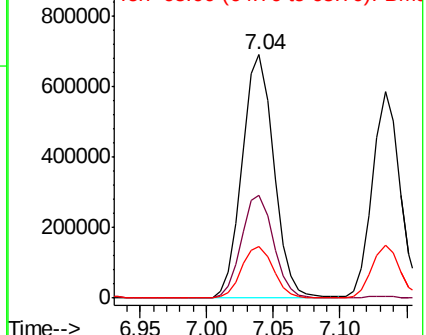
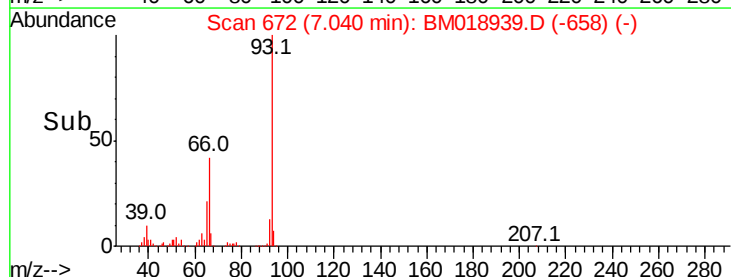
65 21.3 16.6 24.8

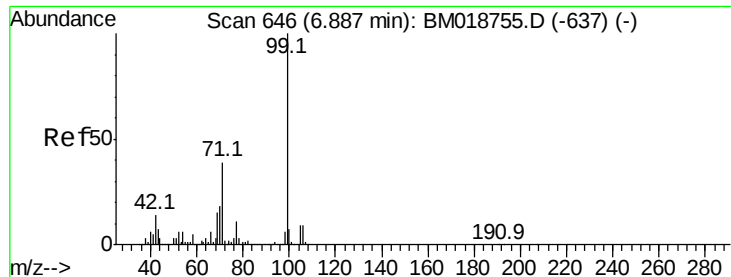


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 118.513 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampled :

WV-EMS

Tot Ion: 99 Resp: 3131018

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

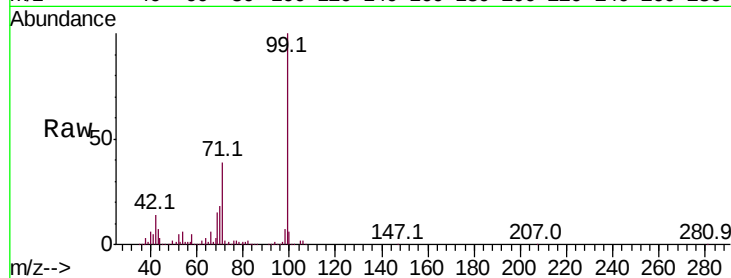
71 38.6 31.3 46.9

Manual Integrations

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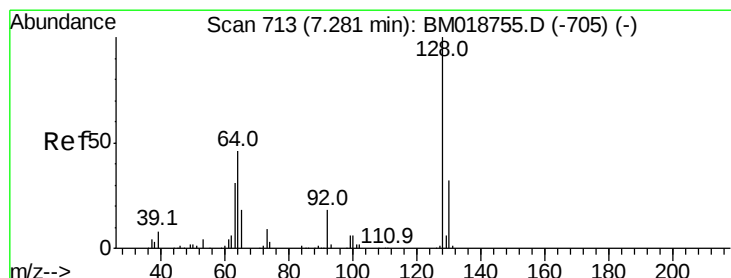
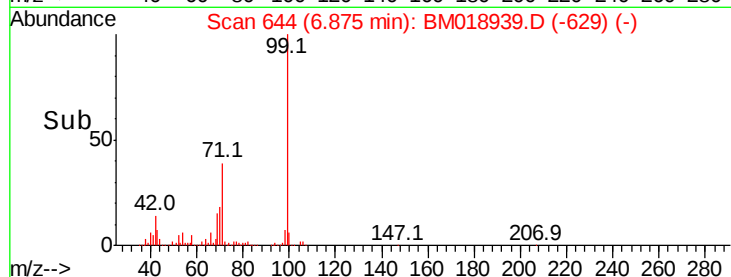
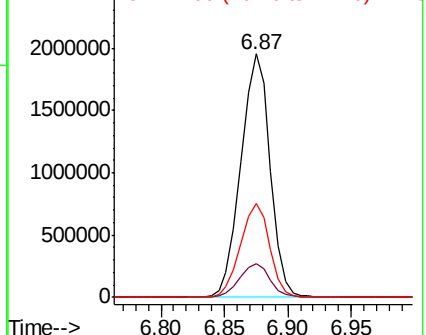


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#8

2-Chlorophenol

Concen: 41.168 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

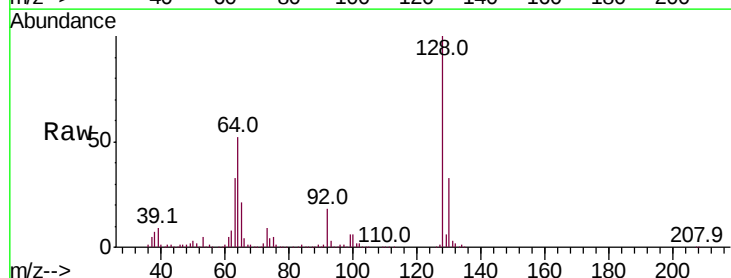
Tgt Ion: 128 Resp: 847647

Ion Ratio Lower Upper

128 100

130 32.5 11.7 51.7

64 52.3 31.0 71.0

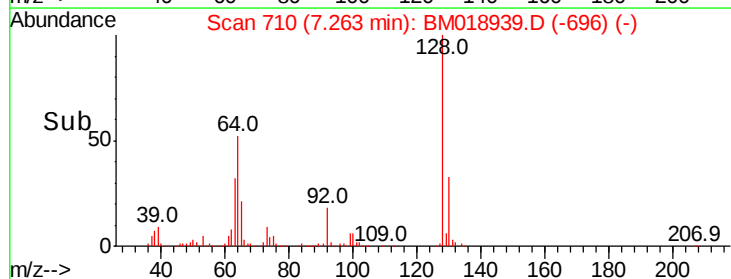
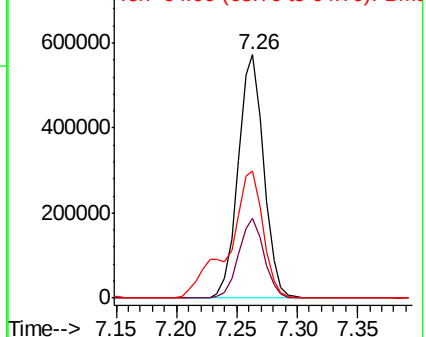


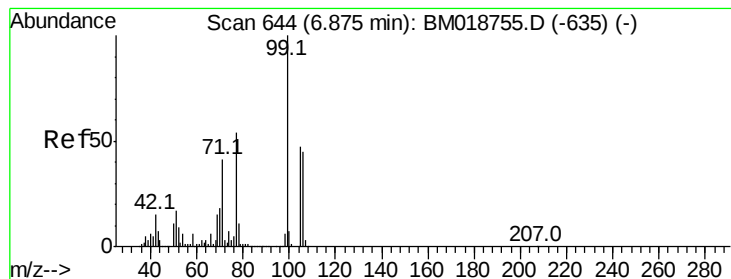
Abundance

Ion 128.00 (127.70 to 128.70): BM018755.D (-705) (-)

Ion 130.00 (129.70 to 130.70): BM018755.D (-705) (-)

Ion 64.00 (63.70 to 64.70): BM018755.D (-705) (-)





#9

Benzaldehyde

Concen: 29.892 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion: 77 Resp: 462788

Ion Ratio Lower Upper

77 100

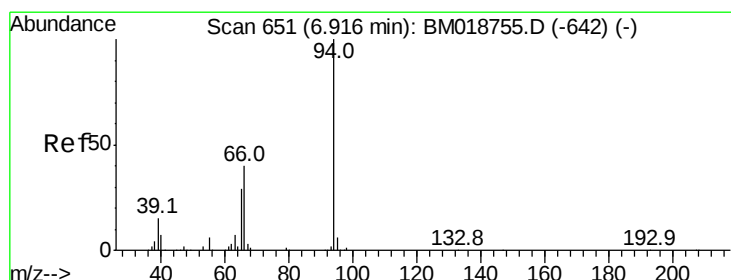
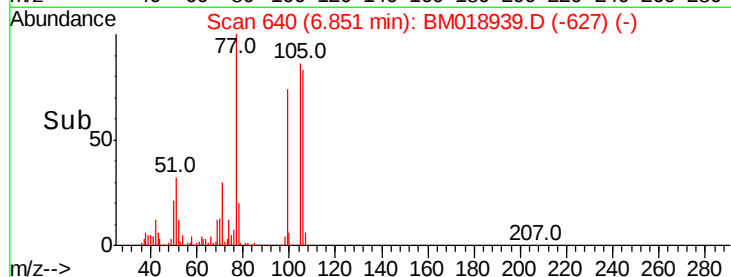
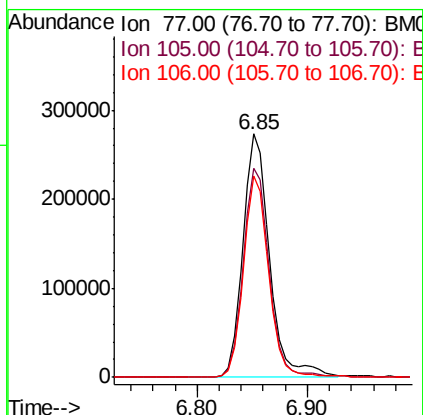
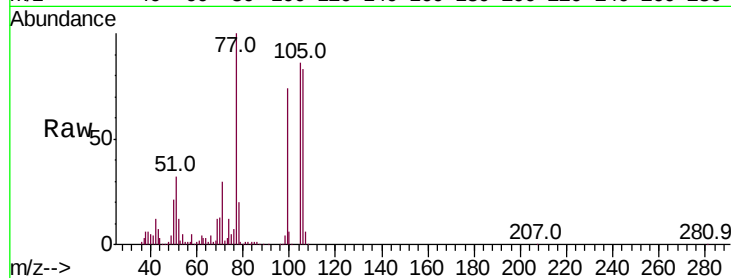
105 86.1 67.3 107.3

106 82.6 62.9 102.9

Manual Integrations  
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#10

Phenol

Concen: 41.845 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

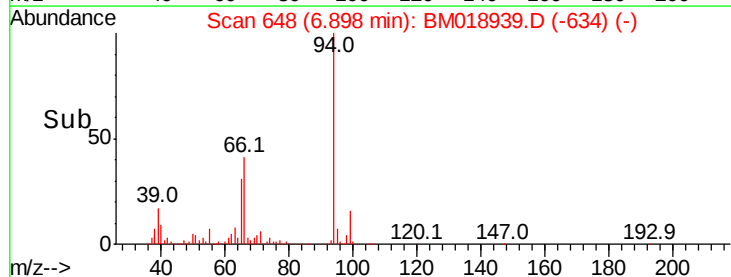
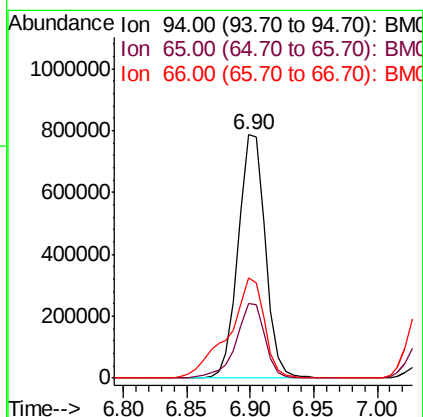
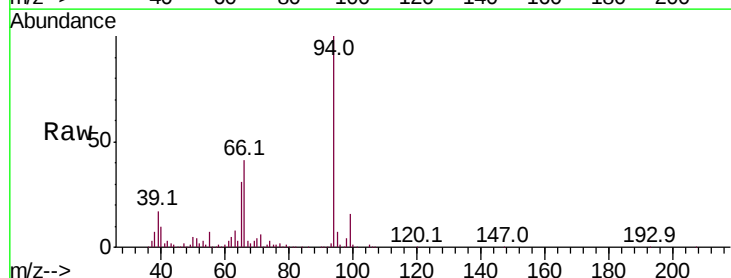
Tgt Ion: 94 Resp: 1163206

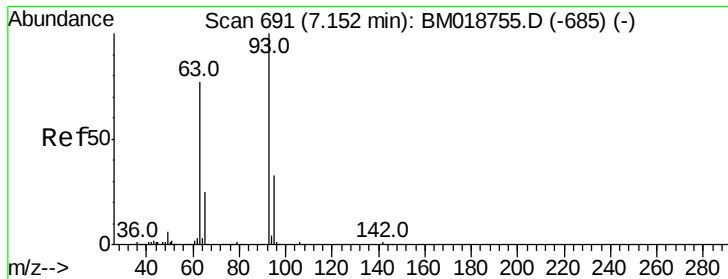
Ion Ratio Lower Upper

94 100

65 30.5 9.6 49.6

66 41.0 20.4 60.4





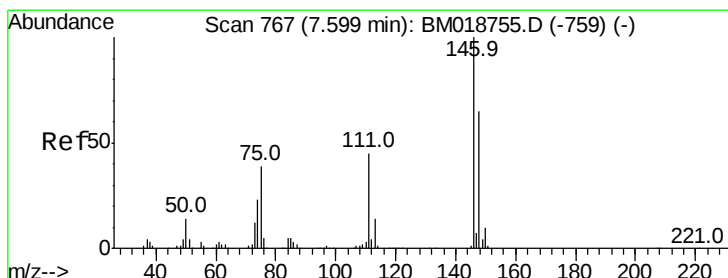
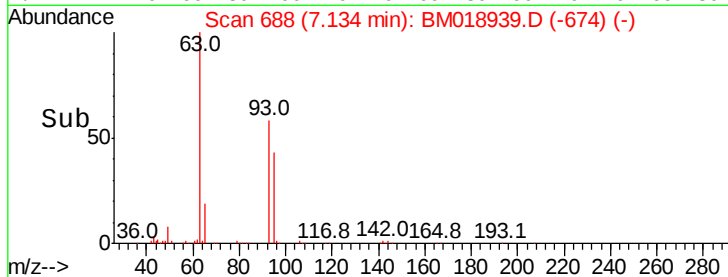
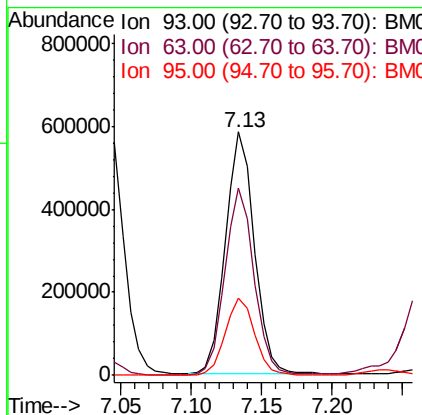
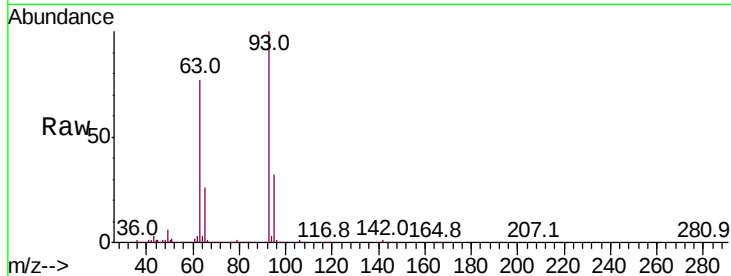
#11  
bis(2-Chloroethyl)ether  
Concen: 39.140 ng  
RT: 7.13 min Scan# 688  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 829967 |       |       |
| 63      | 76.8  |        | 57.0  | 97.0  |
| 95      | 31.5  |        | 12.4  | 52.4  |

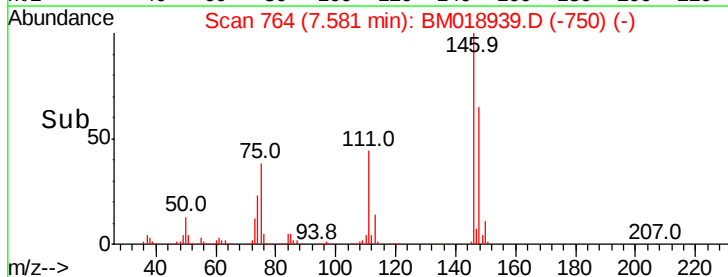
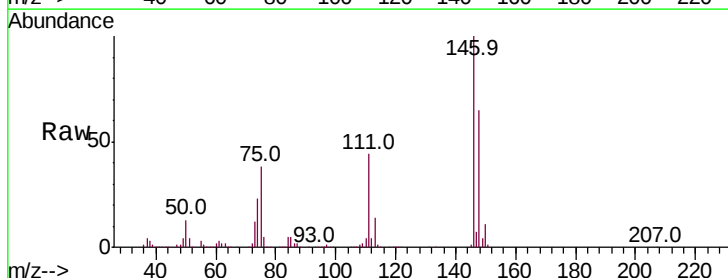
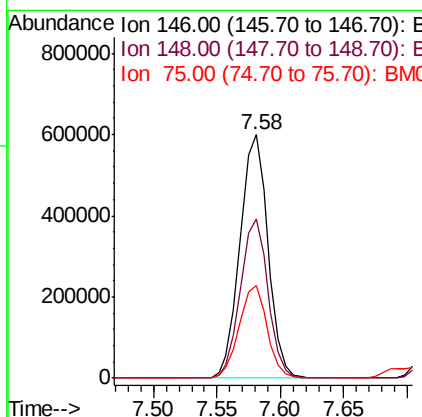
Manual Integrations  
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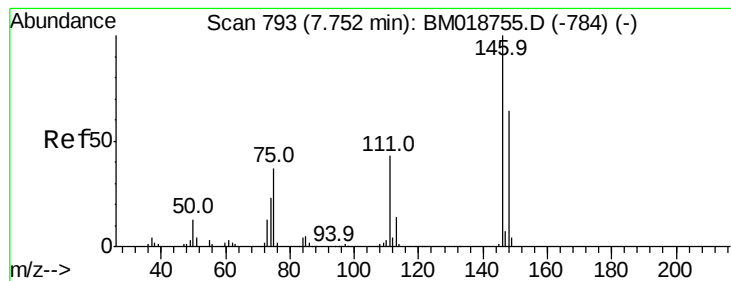
Sohil  
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#12  
1,3-Dichlorobenzene  
Concen: 39.563 ng  
RT: 7.58 min Scan# 764  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 915970 |       |       |
| 148     | 65.1  |        | 51.7  | 77.5  |
| 75      | 38.1  |        | 31.3  | 46.9  |





#13

1,4-Dichlorobenzene

Concen: 39.621 ng

RT: 7.73 min Scan# 789

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

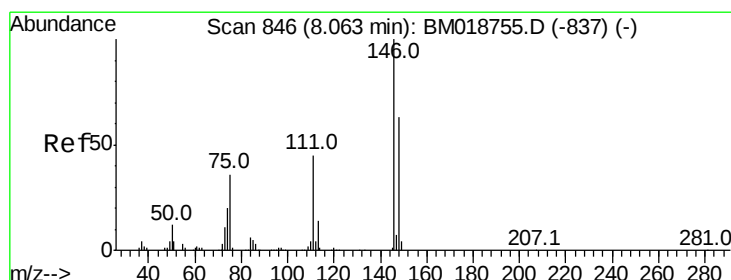
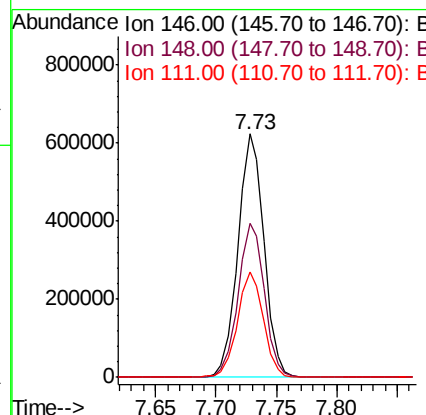
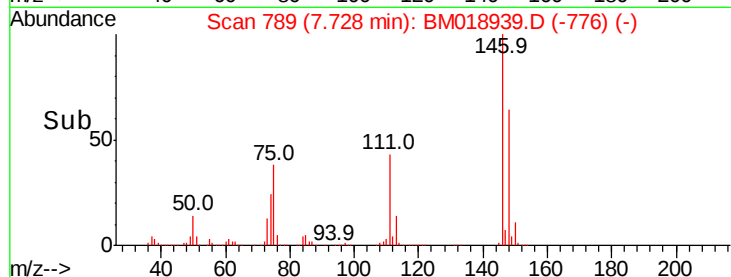
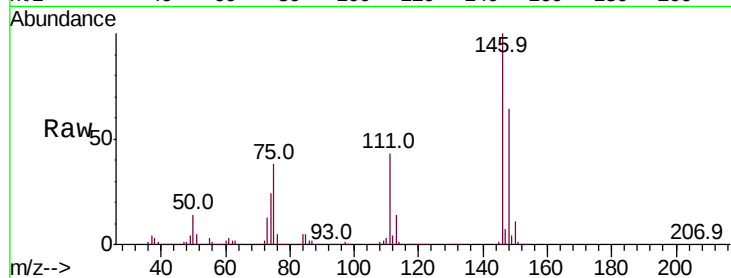
ClientSampled :

WV-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 933856 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.5  | 51.4  | 77.2   |
| 111       | 43.2  | 34.6  | 52.0   |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 39.210 ng

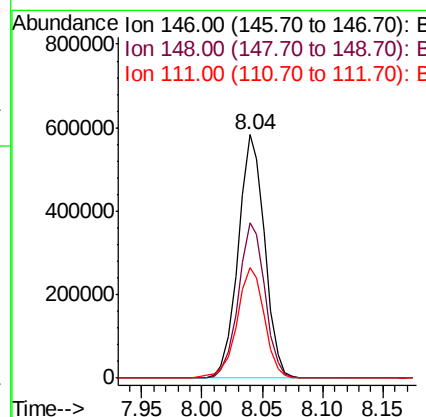
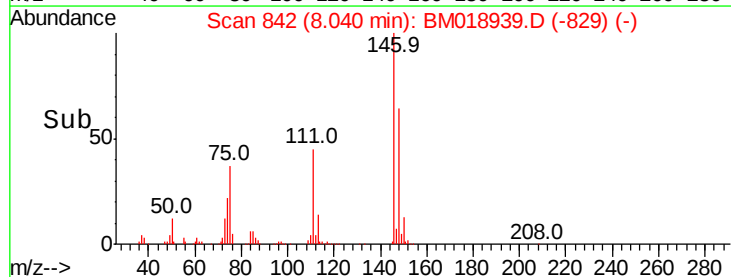
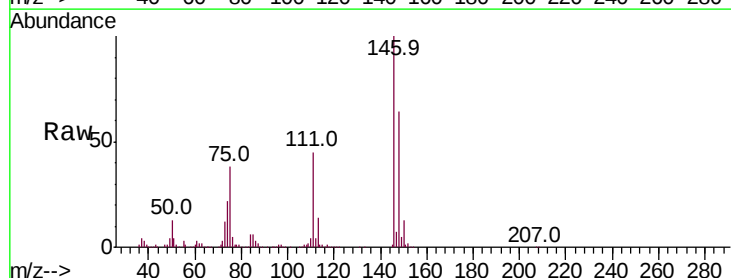
RT: 8.04 min Scan# 842

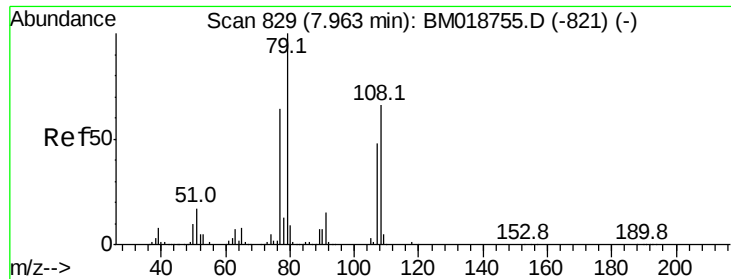
Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 887723 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 50.7  | 76.1   |
| 111       | 45.2  | 35.9  | 53.9   |





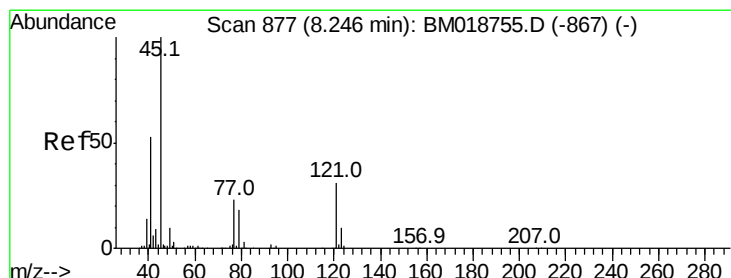
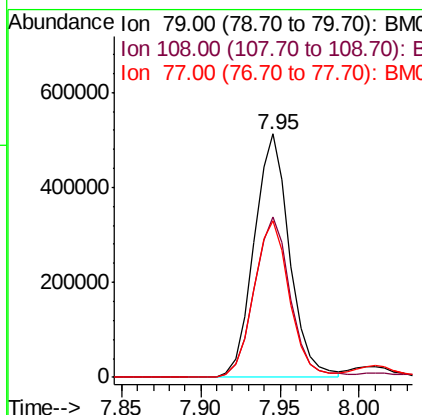
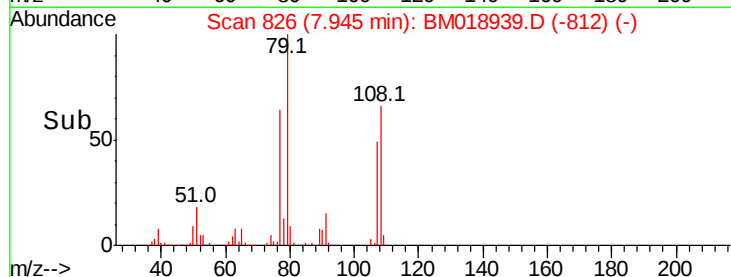
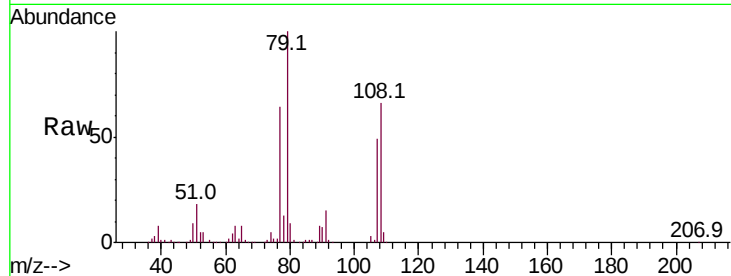
#15  
Benzyl Alcohol  
Concen: 37.933 ng  
RT: 7.95 min Scan# 826  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 66.1  | 52.7  | 79.1  |
| 77      | 64.2  | 51.0  | 76.4  |

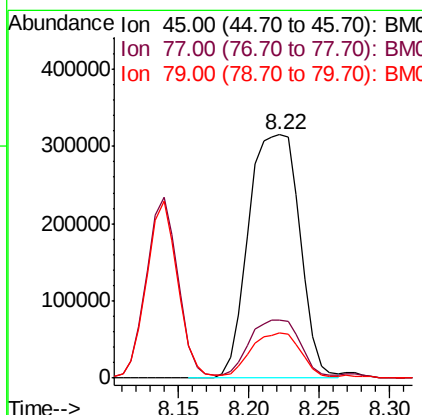
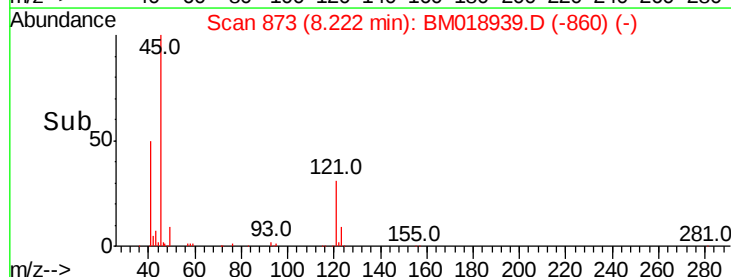
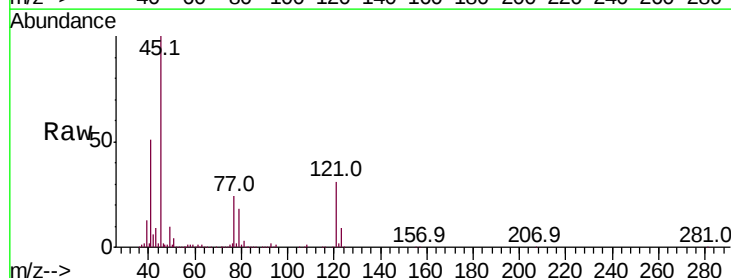
Manual Integrations  
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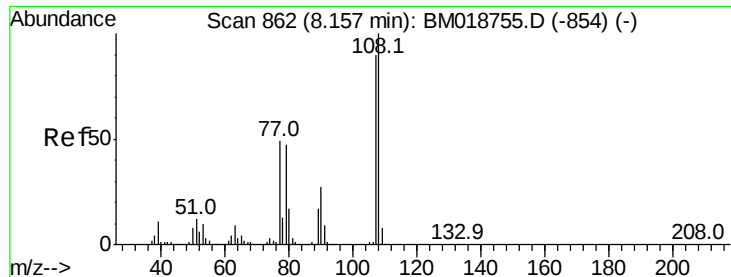
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.959 ng  
RT: 8.22 min Scan# 873  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 23.6  | 5.0   | 45.0  |
| 79      | 18.4  | 0.0   | 39.3  |





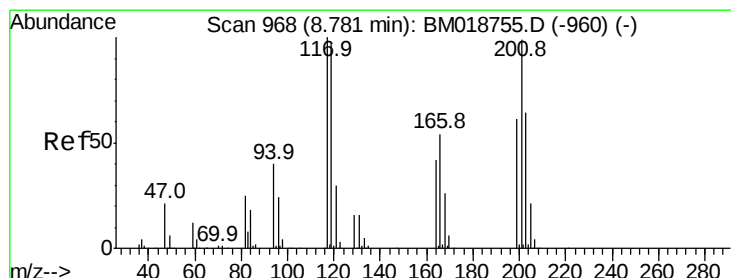
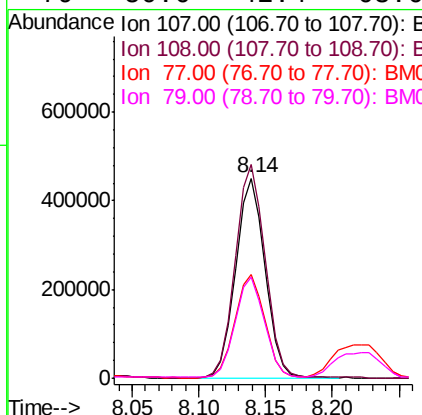
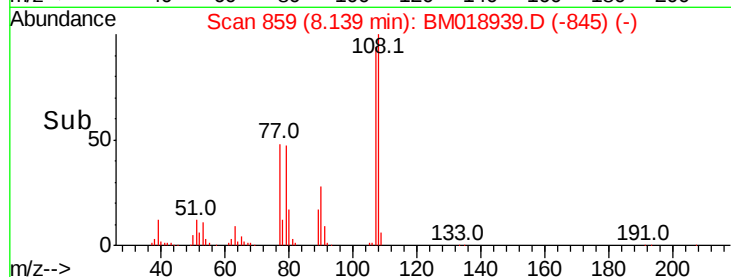
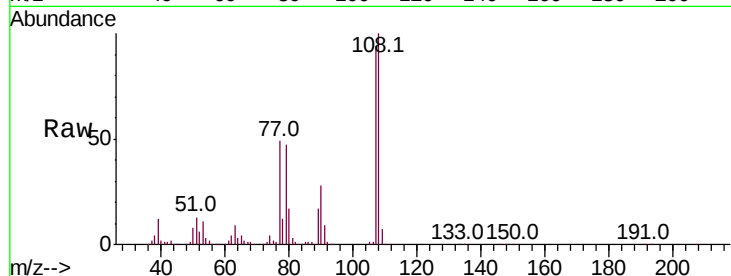
#17  
2-Methylphenol  
Concen: 38.819 ng  
RT: 8.14 min Scan# 859  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 686802 |       |       |
| 108     | 106.7 | 88.8   | 133.2 |       |
| 77      | 52.0  | 44.0   | 66.0  |       |
| 79      | 50.6  | 42.4   | 63.6  |       |

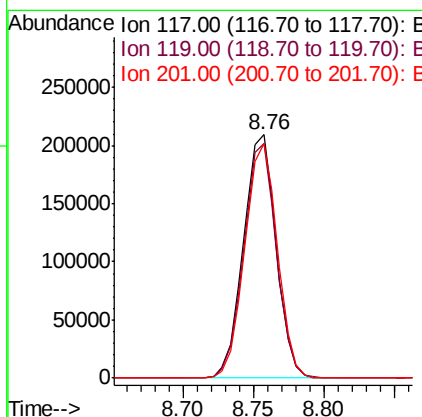
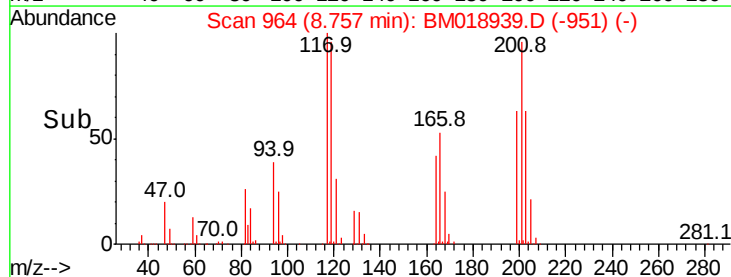
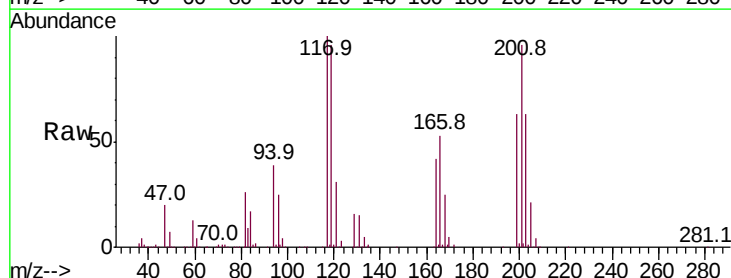
Manual Integrations  
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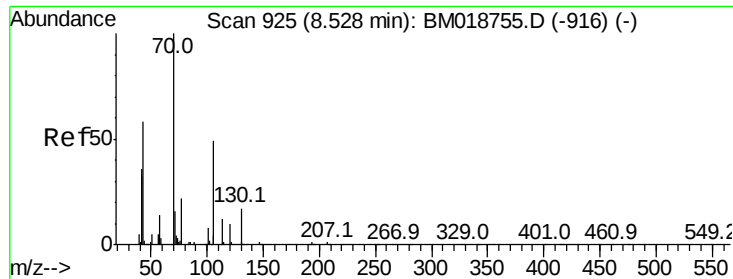
Sohil  
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#18  
Hexachloroethane  
Concen: 39.443 ng  
RT: 8.76 min Scan# 964  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 339371 |       |       |
| 119     | 96.4  | 77.9   | 116.9 |       |
| 201     | 96.5  | 79.2   | 118.8 |       |





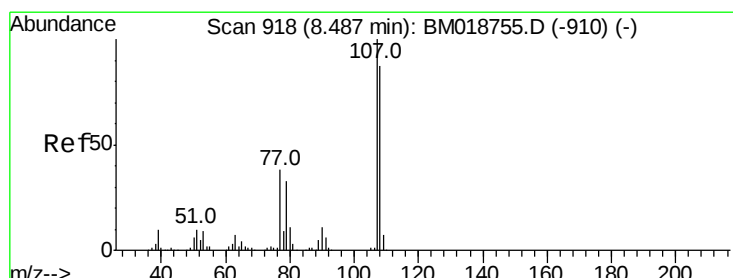
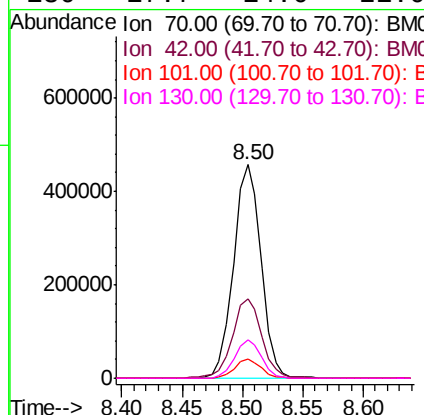
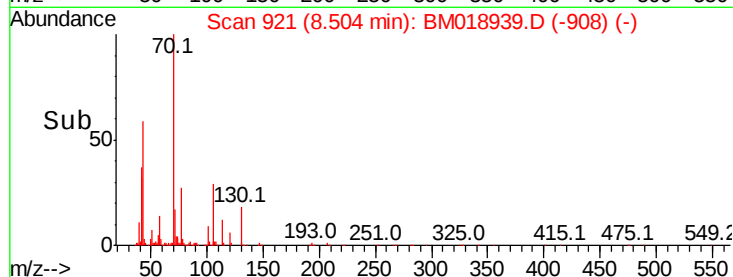
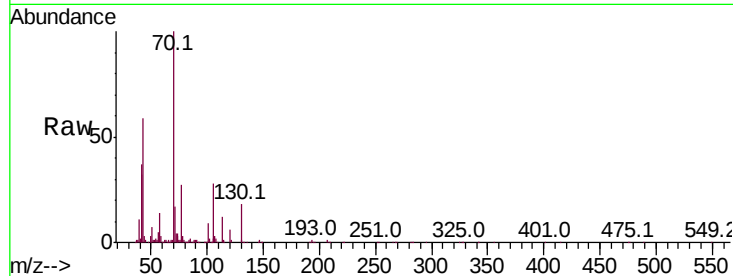
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.493 ng  
RT: 8.50 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 37.4  | 29.4  | 44.0  |
| 101     | 8.8   | 6.7   | 10.1  |
| 130     | 17.7  | 14.0  | 21.0  |

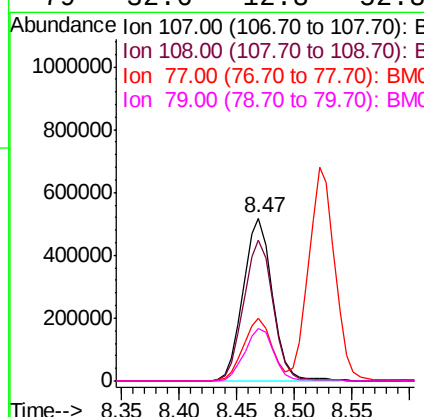
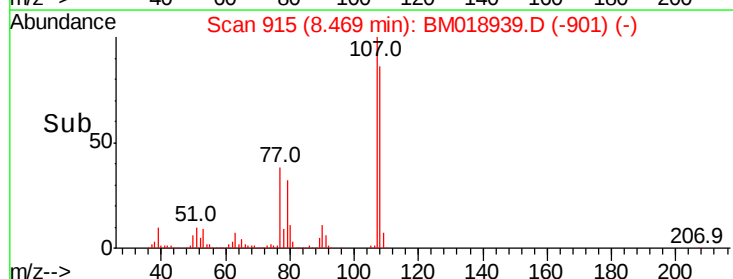
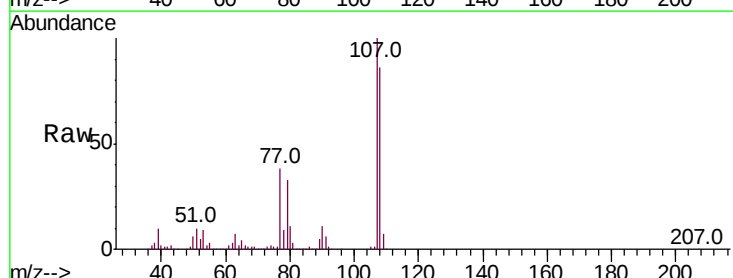
Manual Integrations  
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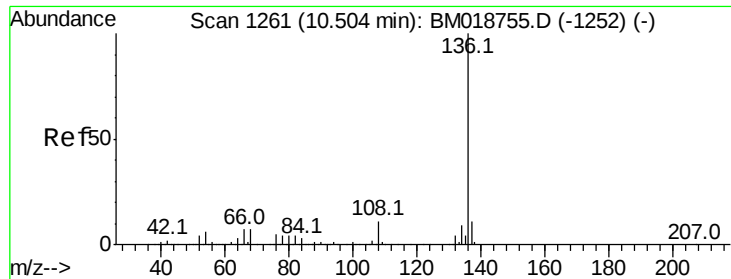
Sohil  
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#20  
3+4-Methylphenols  
Concen: 37.341 ng  
RT: 8.47 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 86.4  | 67.3  | 107.3 |
| 77      | 38.5  | 18.0  | 58.0  |
| 79      | 32.6  | 12.8  | 52.8  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampled :

WV-EMS

Tot Ion:136 Resp: 1113408

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

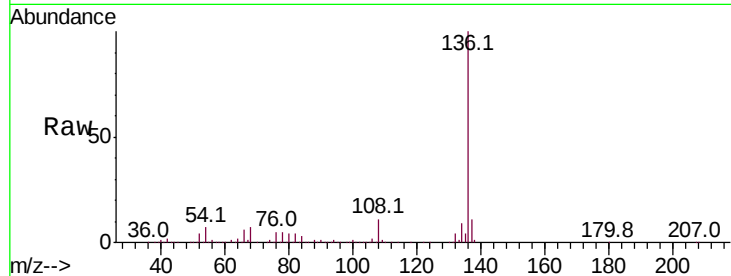
54 7.3 5.0 7.6

68 7.4 5.5 8.3

Manual Integrations  
APPROVED

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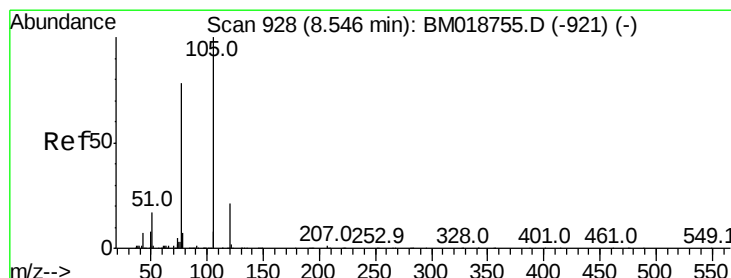
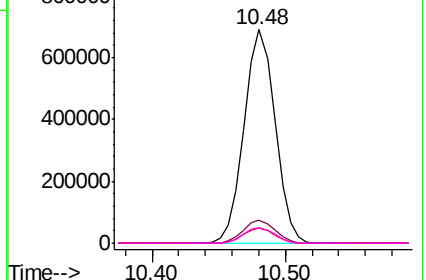
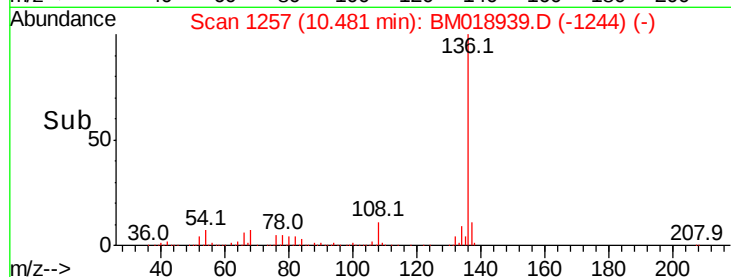


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 39.855 ng

RT: 8.52 min Scan# 924

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Tgt Ion:105 Resp: 1218604

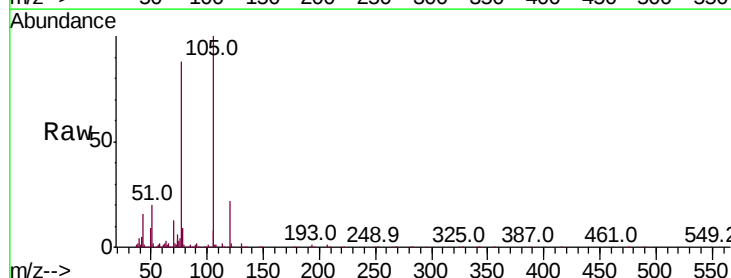
Ion Ratio Lower Upper

105 100

71 2.1 1.1 1.7#

51 20.3 15.5 23.3

120 21.5 17.0 25.4

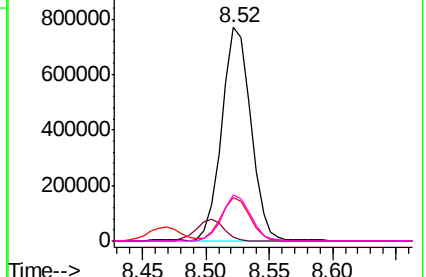
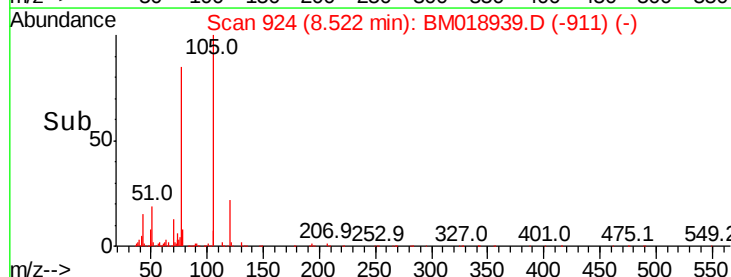


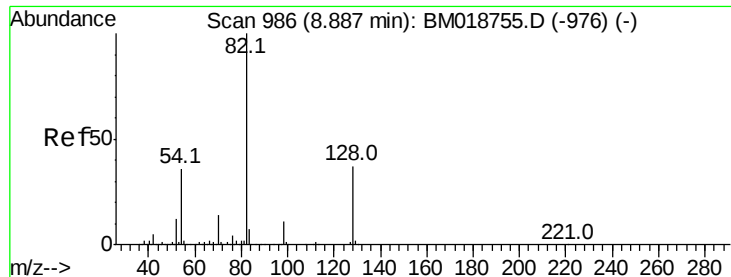
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 82.865 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampled :

WV-EMS

Tot Ion: 82 Resp: 1995368

Ion Ratio Lower Upper

82 100

128 36.9 29.9 44.9

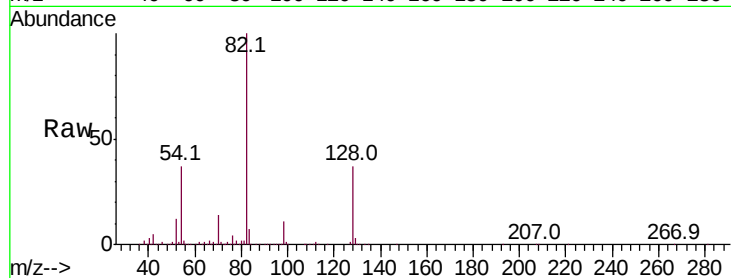
54 37.0 29.1 43.7

Manual Integrations

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Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)

Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

8.86

1500000

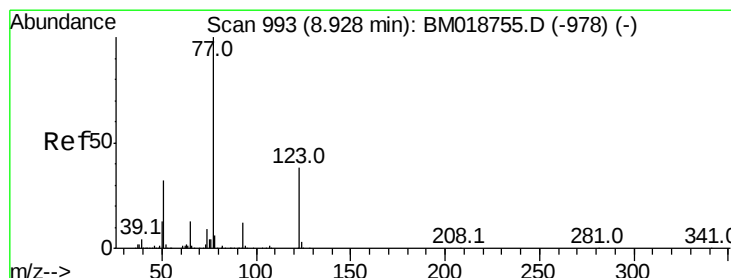
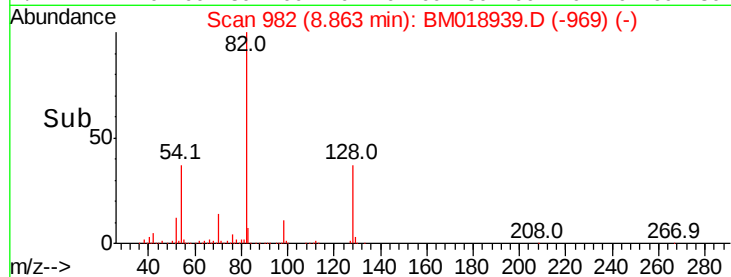
1000000

500000

0

8.80 8.90

Time-->



#24

Nitrobenzene

Concen: 42.171 ng

RT: 8.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

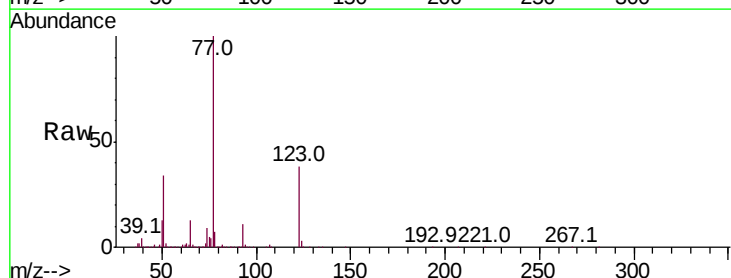
Tgt Ion: 77 Resp: 1054044

Ion Ratio Lower Upper

77 100

123 38.1 30.7 46.1

65 12.9 10.5 15.7



Abundance Ion 77.00 (76.70 to 77.70): BM018755.D (-978) (-)

Ion 123.00 (122.70 to 123.70): BM018755.D (-978) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-978) (-)

8.90

800000

600000

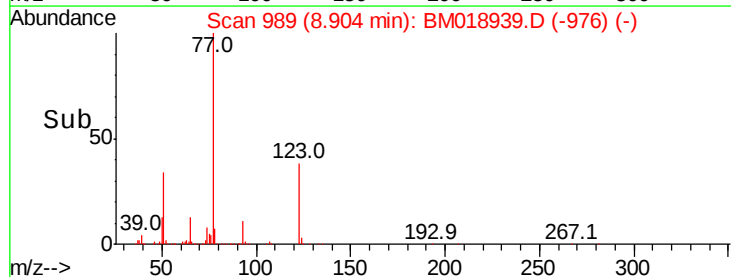
400000

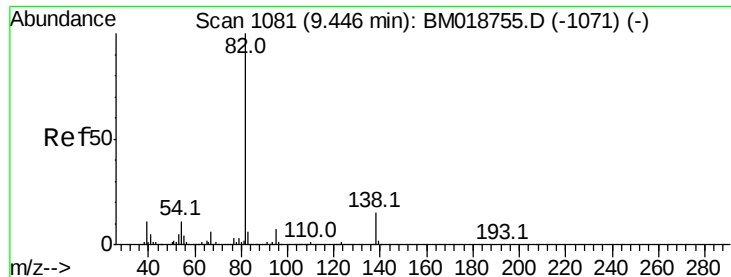
200000

0

8.80 8.90 9.00

Time-->





#25

Isophorone

Concen: 44.370 ng

RT: 9.42 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampled :

WV-EMS

Tot Ion: 82 Resp: 1704754

Ion Ratio Lower Upper

82 100

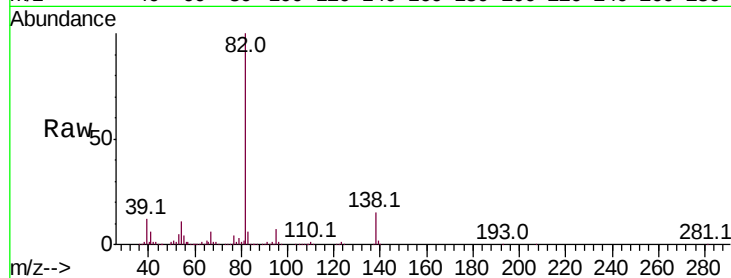
95 6.8 5.7 8.5

138 15.4 12.3 18.5

Manual Integrations  
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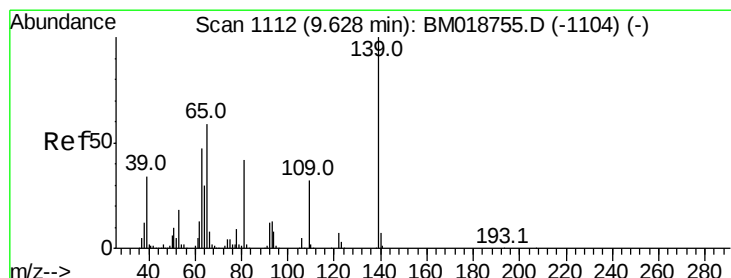
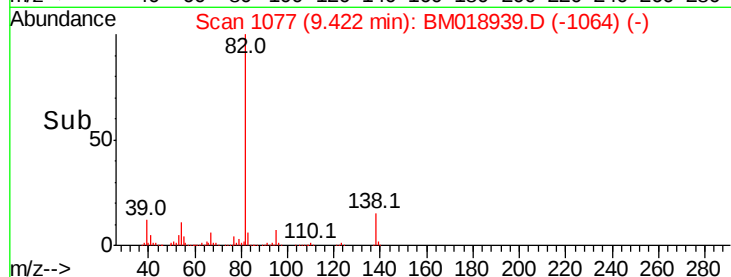
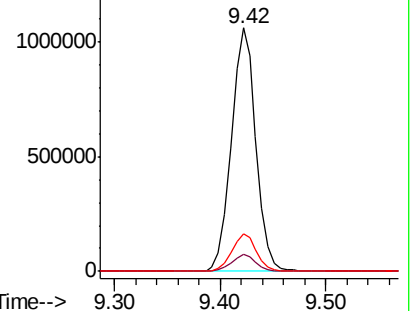
2/27/2019 4:20:22 PM



Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-1071) (-)

Ion 95.00 (94.70 to 95.70): BM018939.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM018939.D (-1064) (-)



#26

2-Nitrophenol

Concen: 42.699 ng

RT: 9.60 min Scan# 1108

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

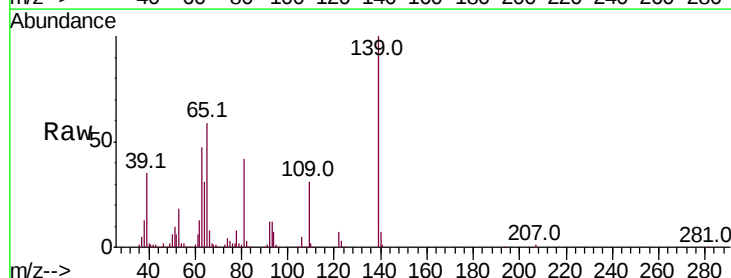
Tgt Ion: 139 Resp: 425016

Ion Ratio Lower Upper

139 100

109 30.6 25.2 37.8

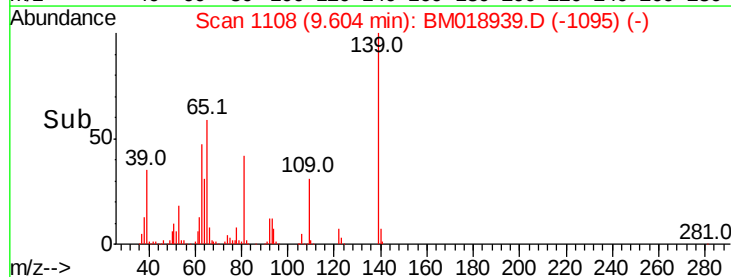
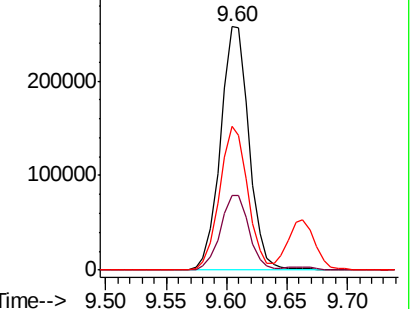
65 59.1 47.0 70.4

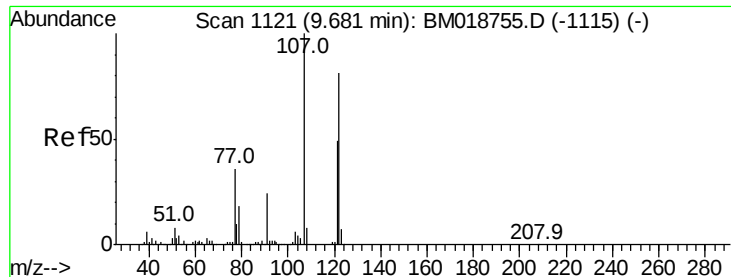


Abundance Ion 139.00 (138.70 to 139.70): BM018755.D (-1104) (-)

Ion 109.00 (108.70 to 109.70): BM018939.D (-1095) (-)

Ion 65.00 (64.70 to 65.70): BM018939.D (-1095) (-)





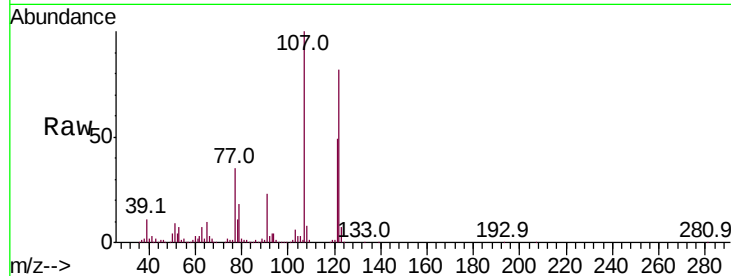
#27  
2,4-Dimethylphenol  
Concen: 46.744 ng  
RT: 9.66 min Scan# 1118  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.6 | 97.6  | 146.4 |
| 121     | 60.0  | 47.9  | 71.9  |

Manual Integrations  
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2/27/2019 4:20:22 PM

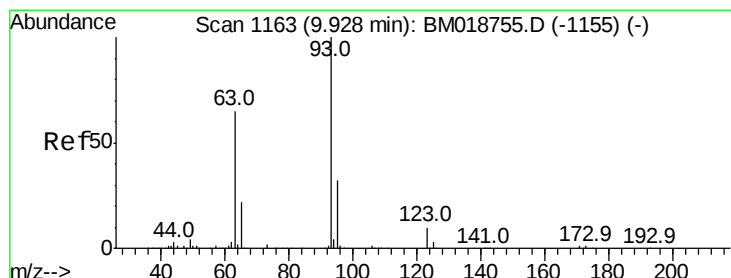
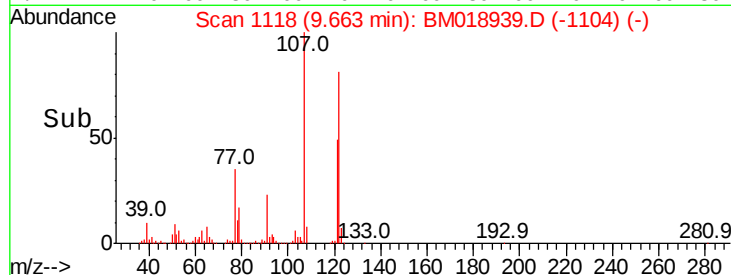
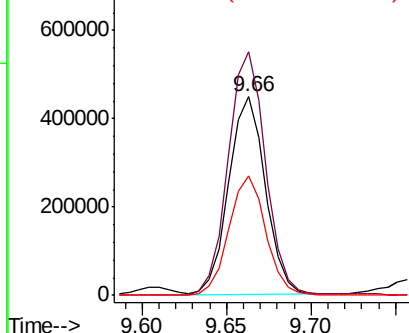


Abundance

Ion 122.00 (121.70 to 122.70): E

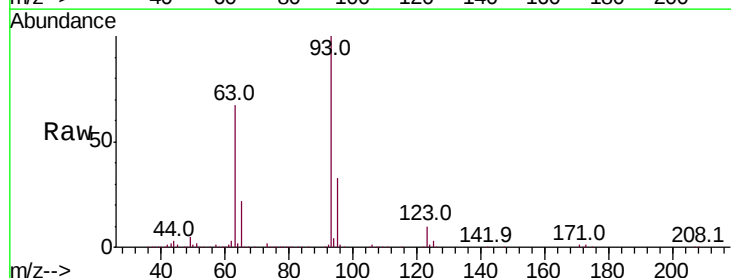
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.132 ng  
RT: 9.90 min Scan# 1159  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 25.6  | 38.4  |
| 123     | 10.1  | 8.2   | 12.4  |

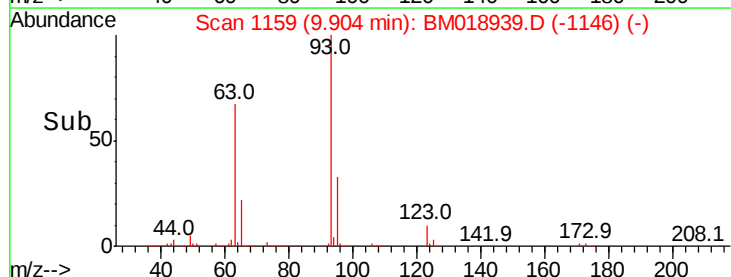
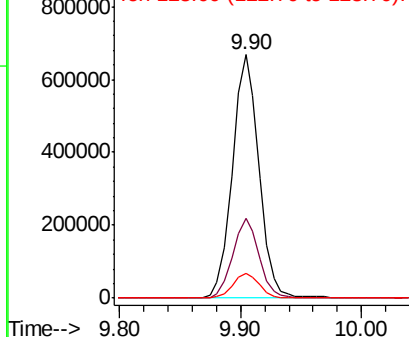


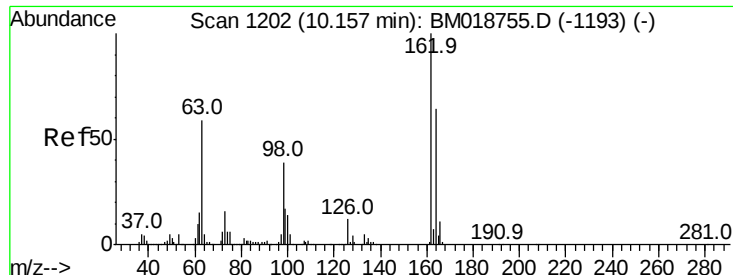
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





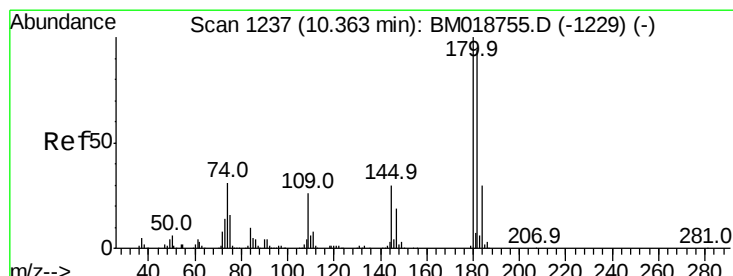
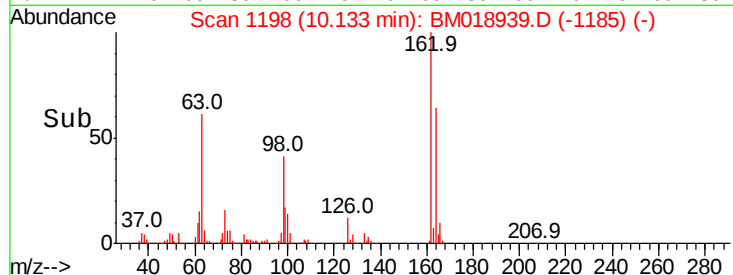
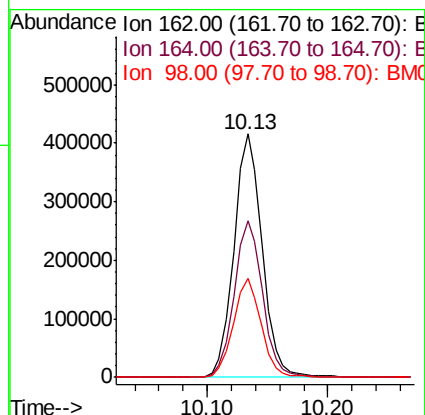
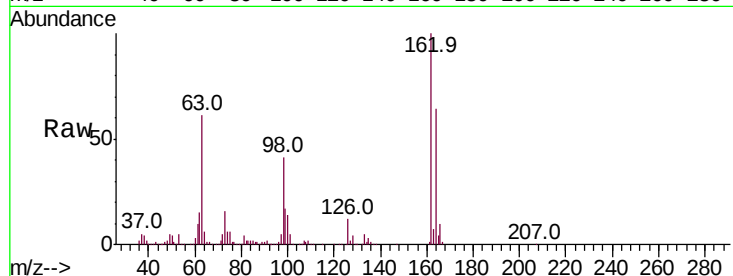
#29  
2,4-Dichlorophenol  
Concen: 40.538 ng  
RT: 10.13 min Scan# 1198  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.5  | 44.1       | 84.1  |
| 98      | 40.6  | 19.4       | 59.4  |

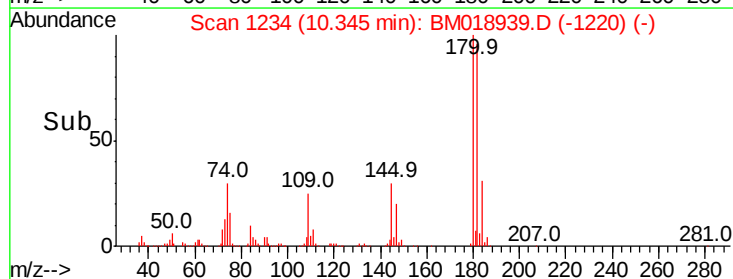
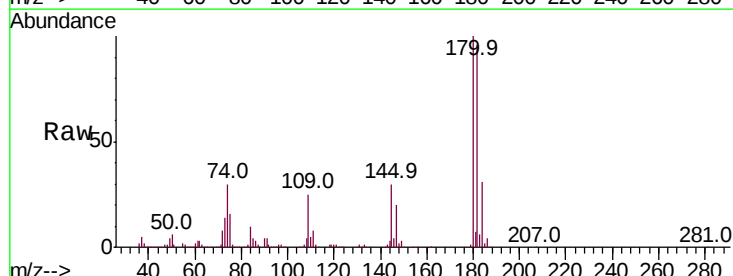
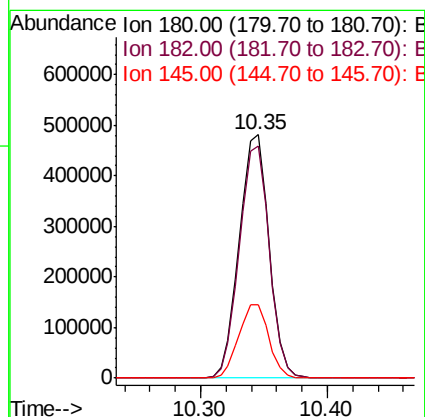
Manual Integrations  
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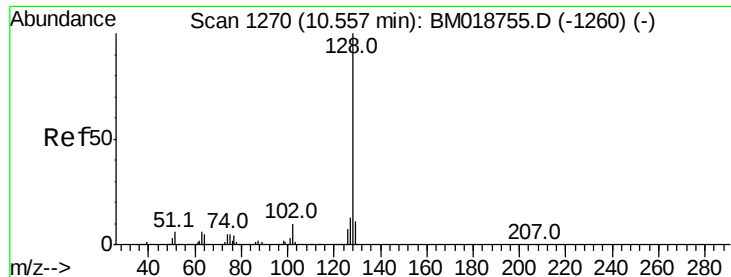
Sohil  
2/27/2019 4:20:22 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 40.764 ng  
RT: 10.35 min Scan# 1234  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 95.6  | 75.0       | 112.6 |
| 145     | 30.1  | 24.1       | 36.1  |





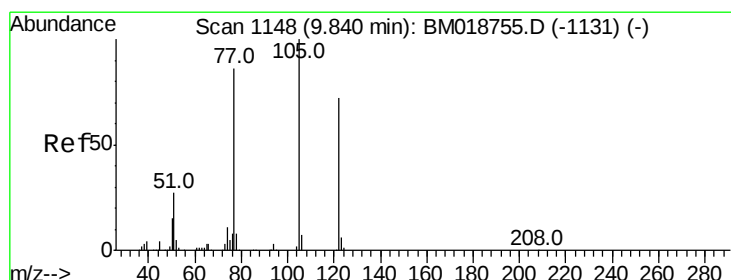
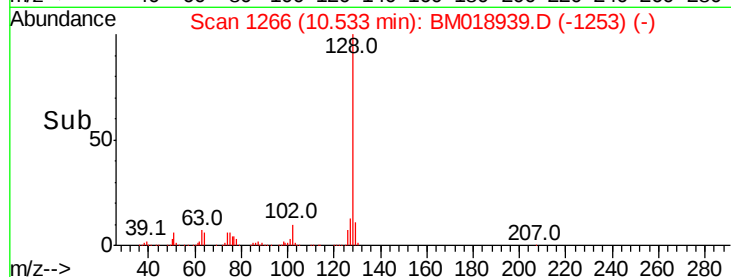
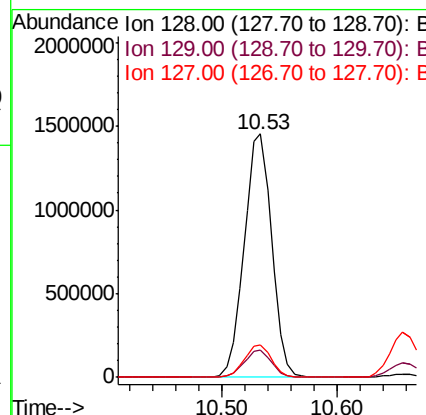
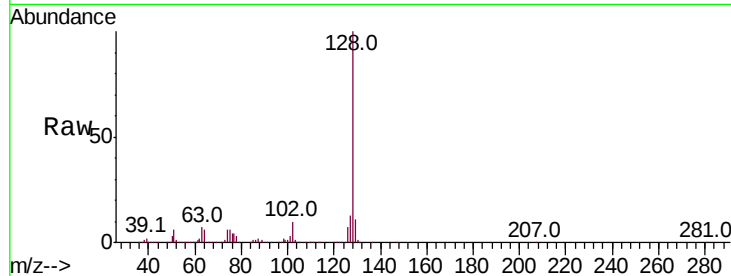
#31  
Naphthalene  
Concen: 44.143 ng  
RT: 10.53 min Scan# 1266  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 9.0   | 13.4  |
| 127     | 13.3  | 10.7  | 16.1  |

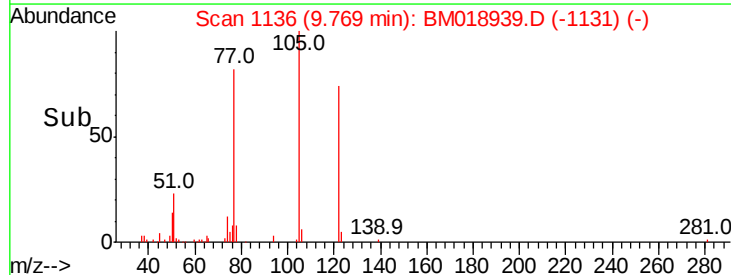
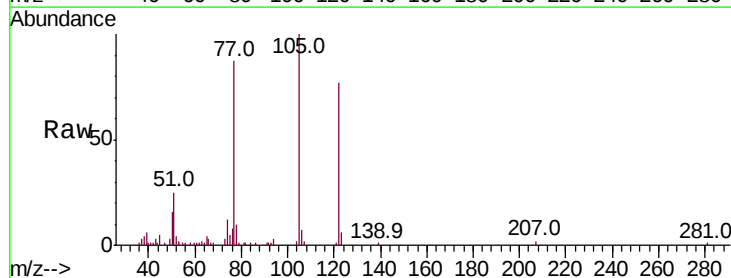
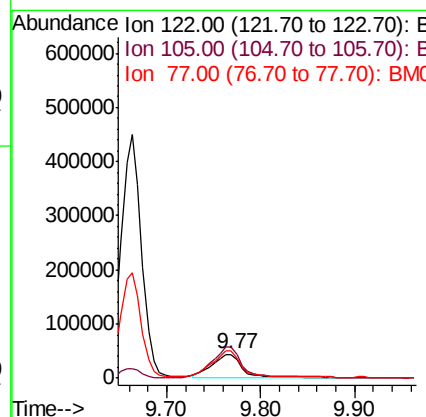
Manual Integrations  
APPROVED

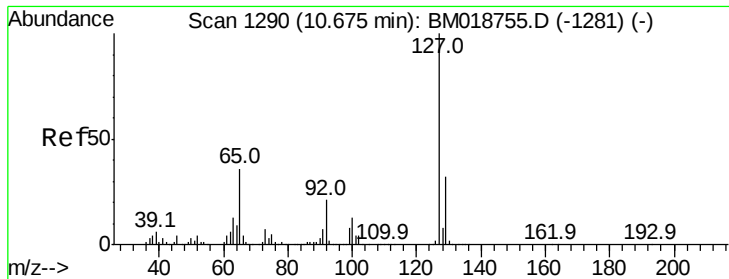
Sohil  
2/27/2019 4:20:22 PM



#32  
Benzoic acid  
Concen: 7.549 ng  
RT: 9.77 min Scan# 1136  
Delta R.T. -0.07 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 129.1 | 117.5 | 157.5 |
| 77      | 112.0 | 98.5  | 138.5 |





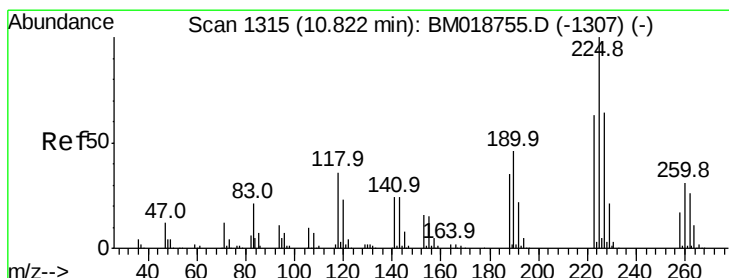
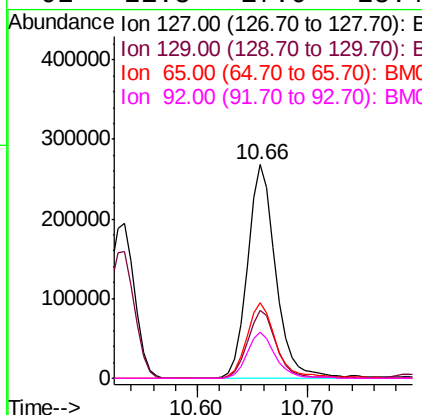
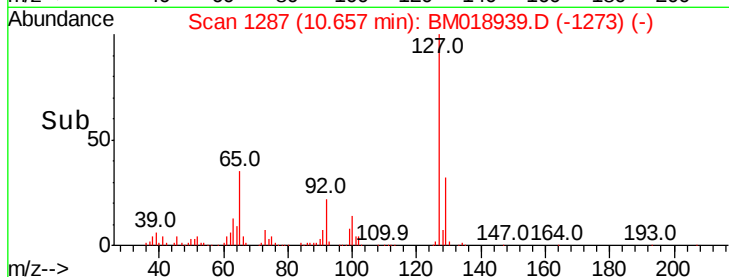
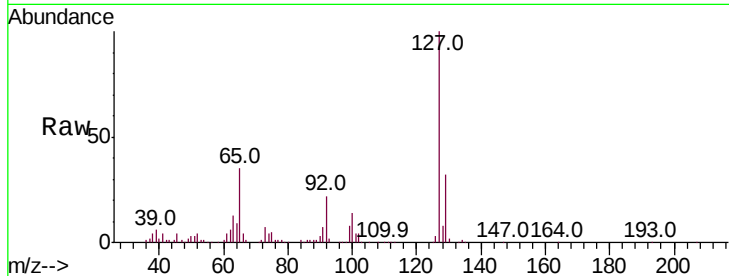
#33  
4-Chloroaniline  
Concen: 19.749 ng  
RT: 10.66 min Scan# 1287  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.9 | 25.7  | 38.5 |       |       |
| 65      | 35.3 | 28.7  | 43.1 |       |       |
| 92      | 21.8 | 17.0  | 25.4 |       |       |

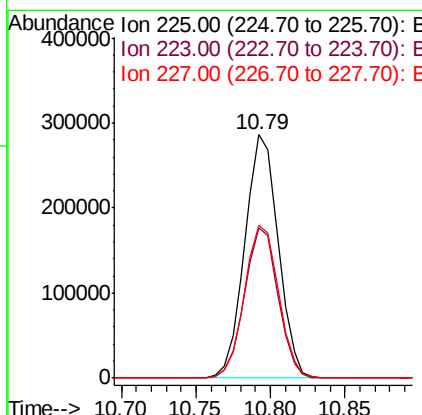
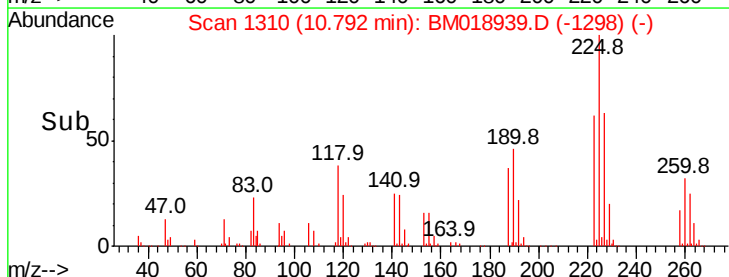
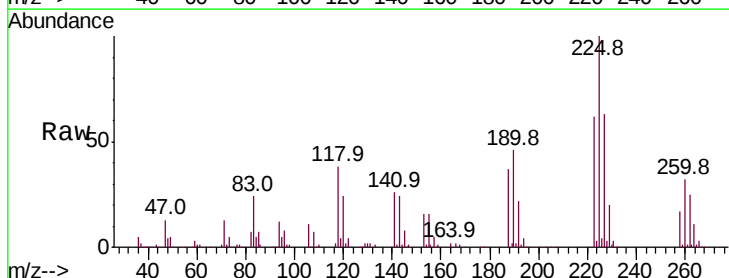
Manual Integrations  
APPROVED

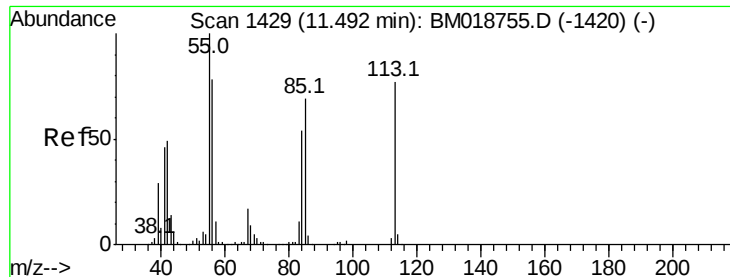
Sohil  
2/27/2019 4:20:22 PM



#34  
Hexachlorobutadiene  
Concen: 39.602 ng  
RT: 10.79 min Scan# 1310  
Delta R.T. -0.03 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.7 | 50.1  | 75.1 |       |       |
| 227     | 62.9 | 51.4  | 77.0 |       |       |





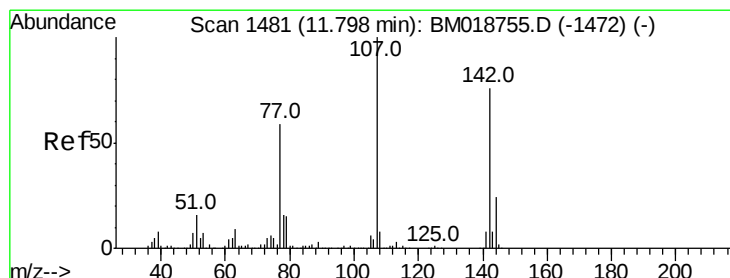
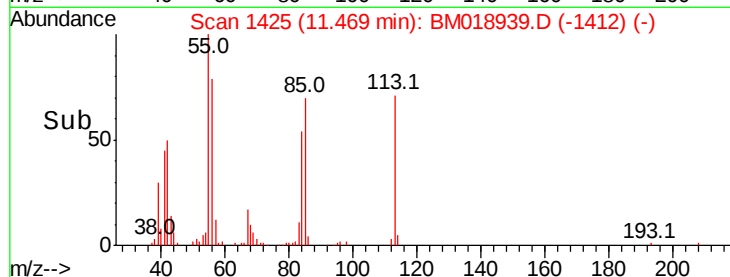
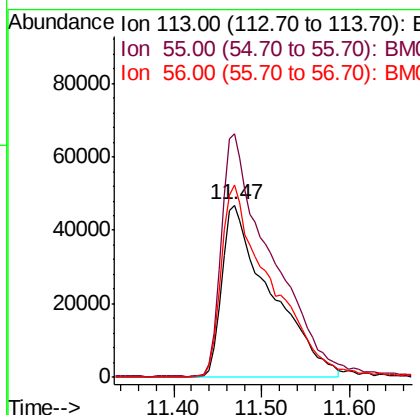
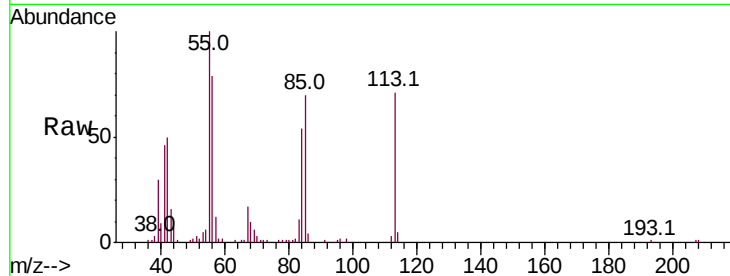
#35  
 Caprolactam  
 Concen: 26.517 ng/ml  
 RT: 11.47 min Scan# 1425  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 180651 |       |       |
| 55      | 141.3 | 110.7  | 150.7 |       |
| 56      | 111.4 | 82.4   | 122.4 |       |

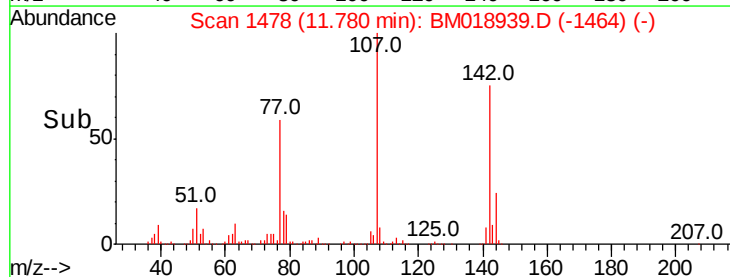
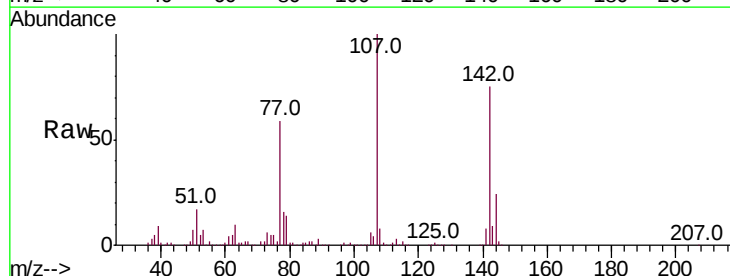
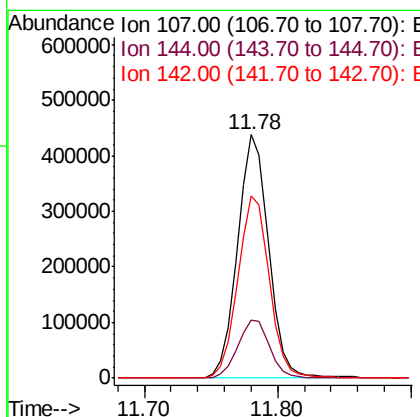
Manual Integrations  
 APPROVED

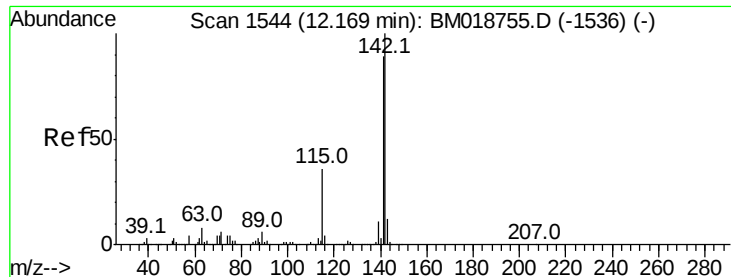
Sohil  
 2/27/2019 4:20:22 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 35.009 ng/ml  
 RT: 11.78 min Scan# 1478  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 704614 |       |       |
| 144     | 23.7  | 19.3   | 28.9  |       |
| 142     | 75.0  | 60.5   | 90.7  |       |





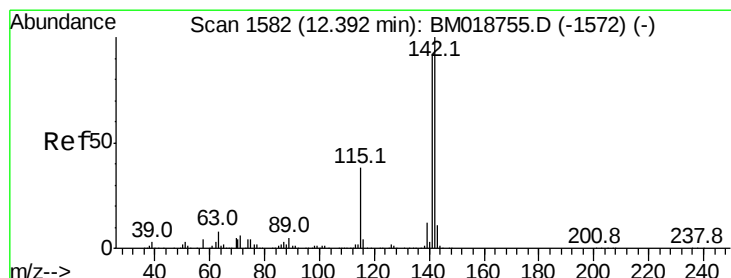
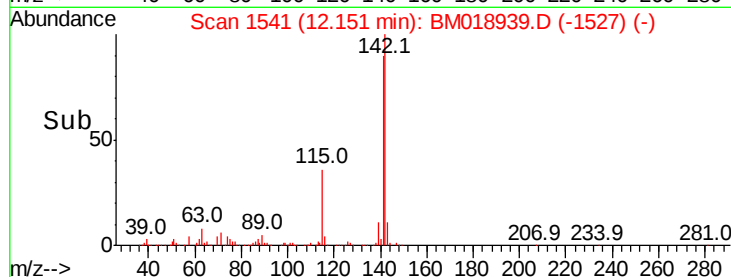
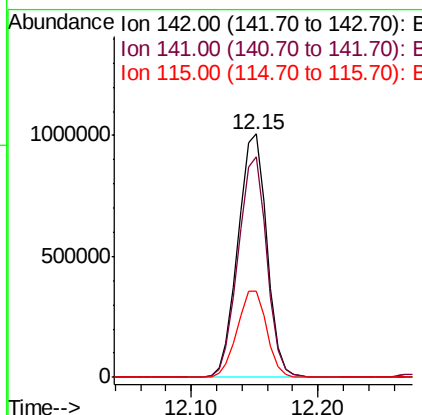
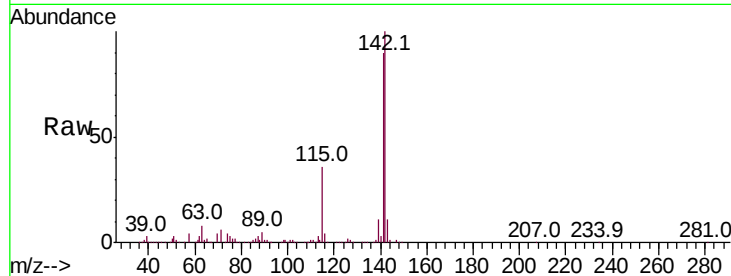
#37  
2-Methylnaphthalene  
Concen: 41.659 ng  
RT: 12.15 min Scan# 1541  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 71.2  | 106.8 |
| 115     | 35.6  | 29.1  | 43.7  |

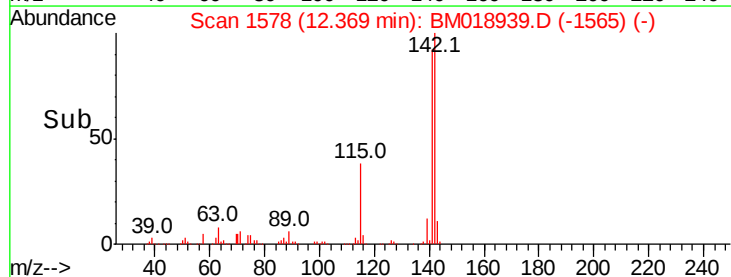
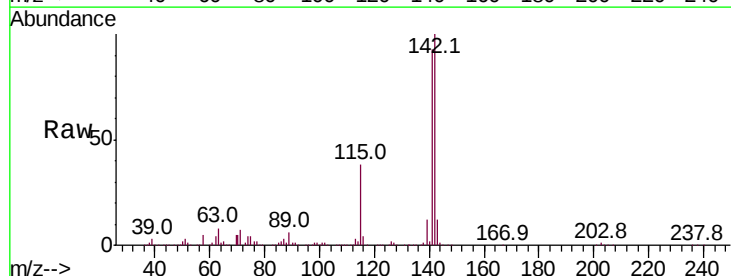
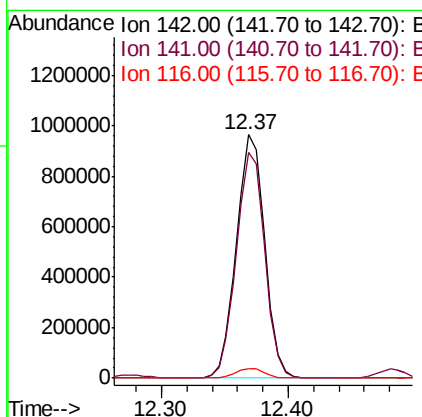
Manual Integrations  
APPROVED

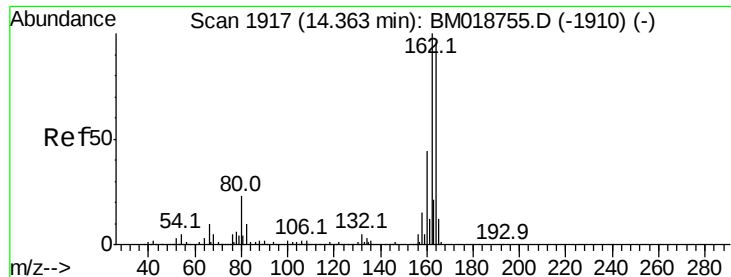
Sohil  
2/27/2019 4:20:22 PM



#38  
1-Methylnaphthalene  
Concen: 39.850 ng  
RT: 12.37 min Scan# 1578  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 73.9  | 110.9 |
| 116     | 3.9   | 3.0   | 4.4   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.34 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

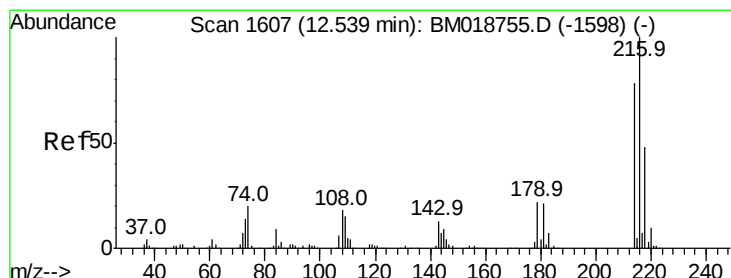
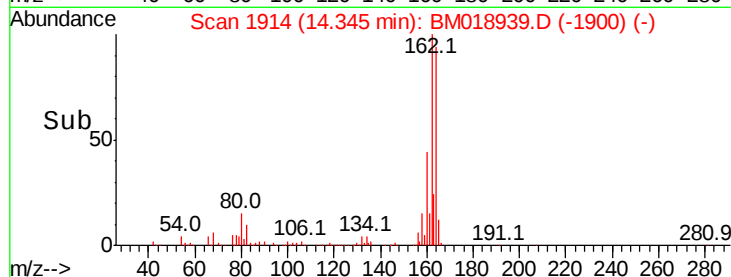
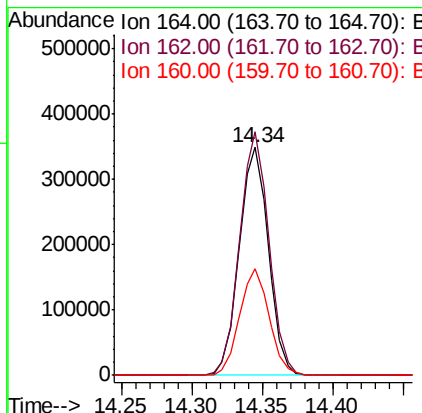
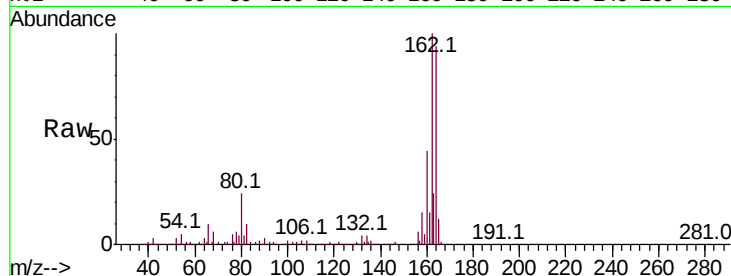
ClientSampled :

WV-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 503093 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 106.8 | 83.4  | 125.0  |
| 160       | 46.6  | 36.6  | 55.0   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.925 ng

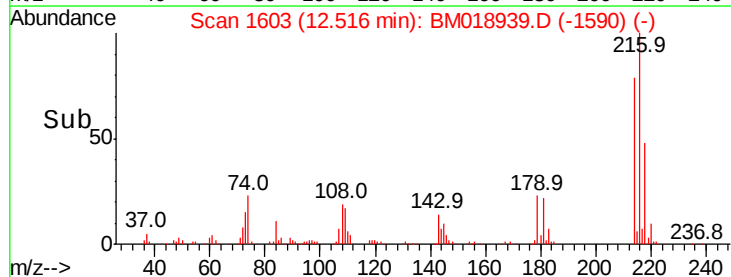
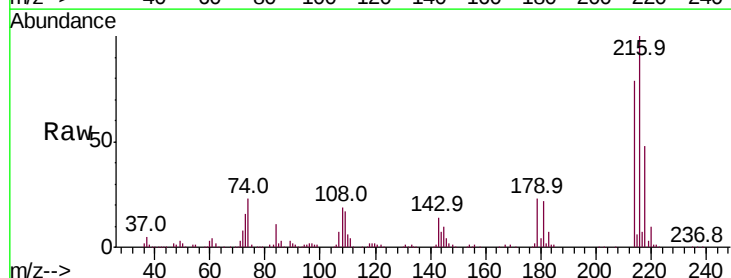
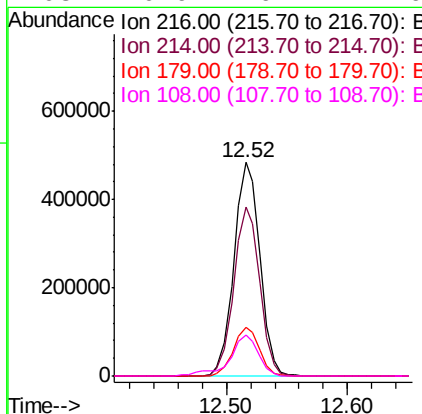
RT: 12.52 min Scan# 1603

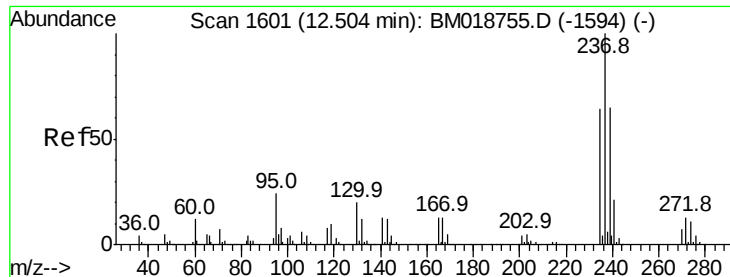
Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 723003 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.9  | 63.2  | 94.8   |
| 179       | 22.9  | 17.8  | 26.8   |
| 108       | 20.9  | 16.4  | 24.6   |





#41

Hexachlorocyclopentadiene

Concen: 51.624 ng

RT: 12.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

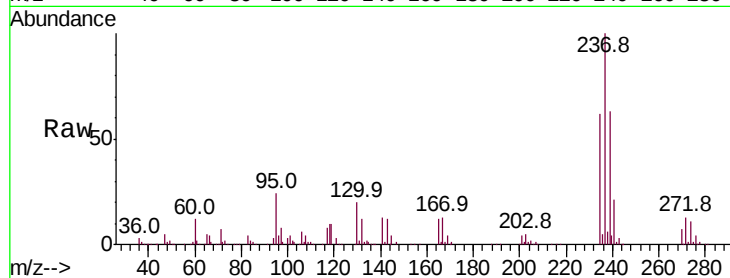
ClientSampleId :

WV-EMS

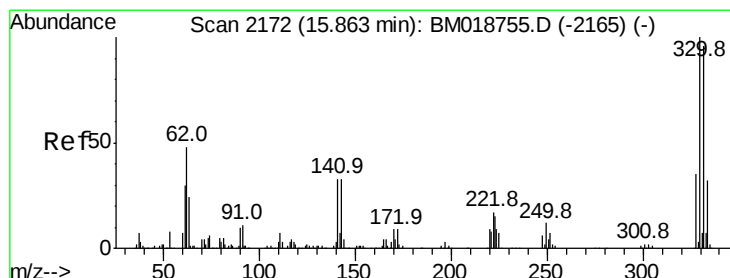
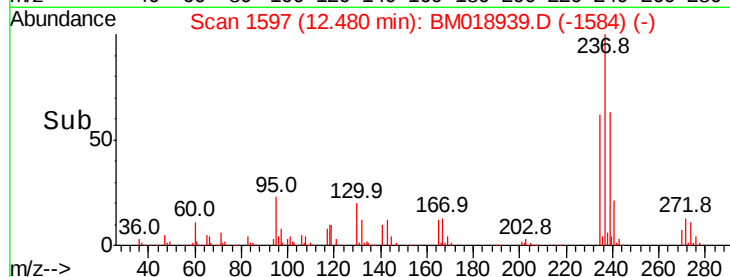
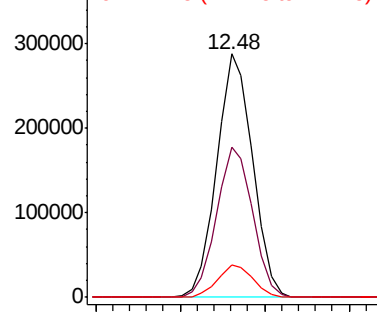
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 424772 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.9  | 43.7  | 83.7   |
| 272       | 13.1  | 0.0   | 33.3   |

Manual Integrations  
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Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 105.123 ng

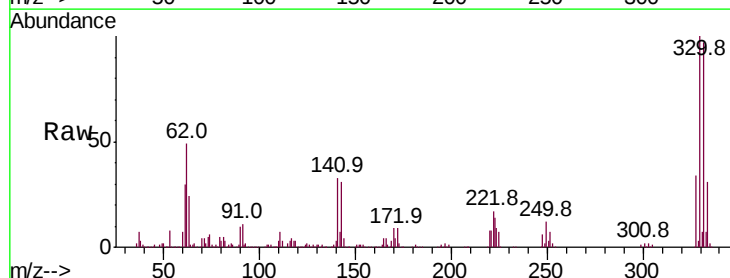
RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

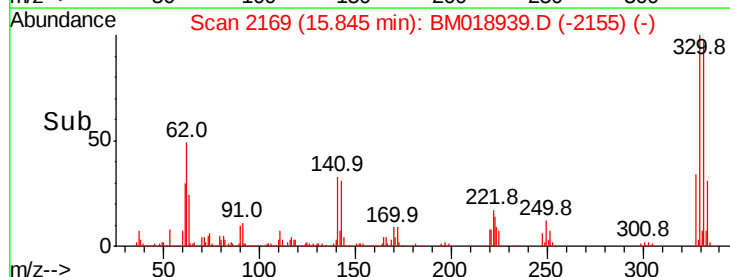
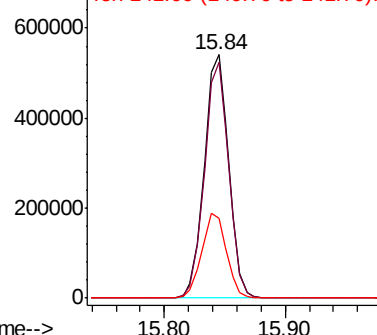
Lab File: BM018939.D

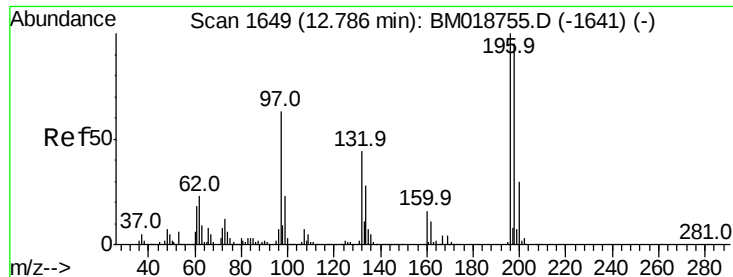
Acq: 26 Feb 2019 21:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 762345 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.2  | 76.9  | 115.3  |
| 141       | 35.2  | 28.7  | 43.1   |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





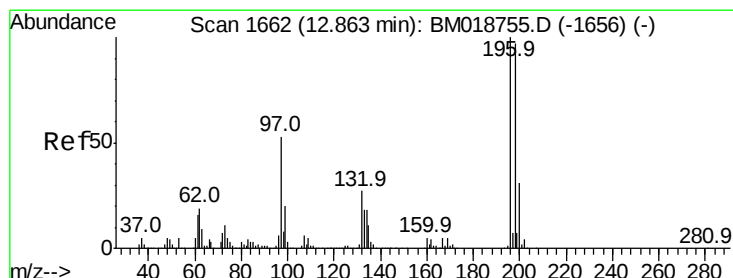
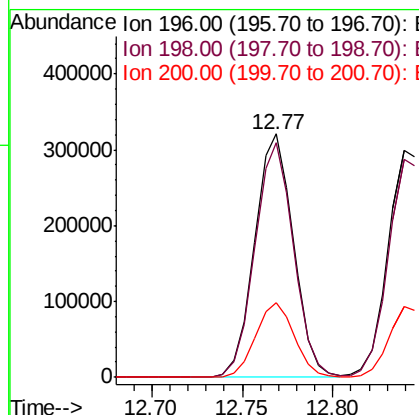
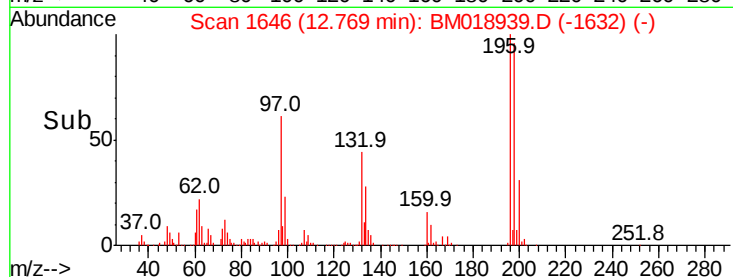
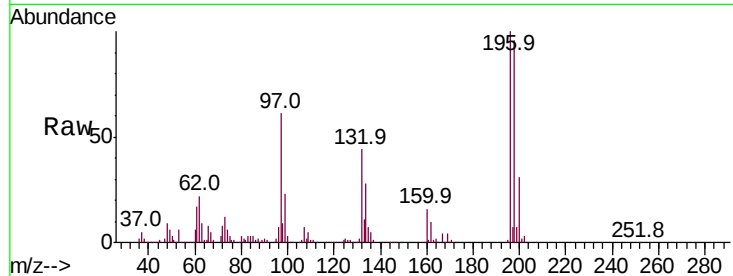
#43  
2,4,6-Trichlorophenol  
Concen: 44.717 ng  
RT: 12.77 min Scan# 1646  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 476405 |       |       |
| 198     | 96.5  | 76.2   | 114.2 |       |
| 200     | 30.8  | 24.2   | 36.2  |       |

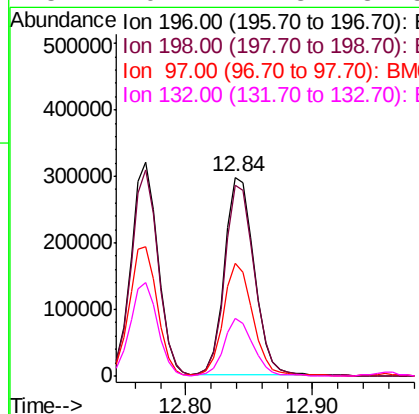
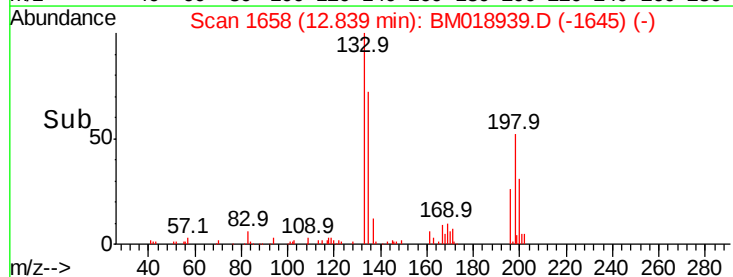
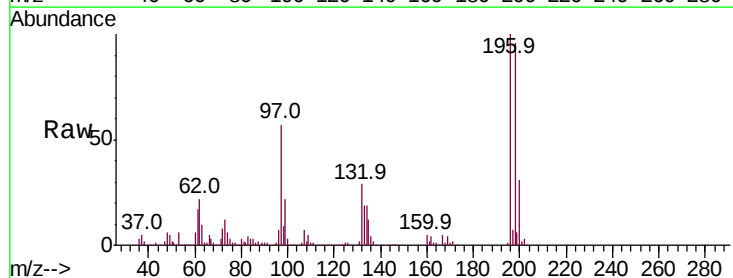
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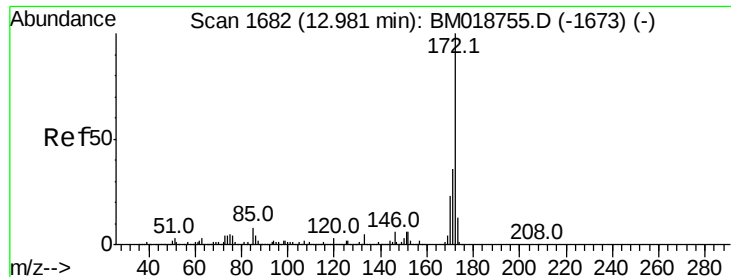
Sohil  
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#44  
2,4,5-Trichlorophenol  
Concen: 43.284 ng  
RT: 12.84 min Scan# 1658  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 483337 |       |       |
| 198     | 96.2  | 77.6   | 116.4 |       |
| 97      | 56.8  | 42.8   | 64.2  |       |
| 132     | 29.1  | 21.8   | 32.8  |       |





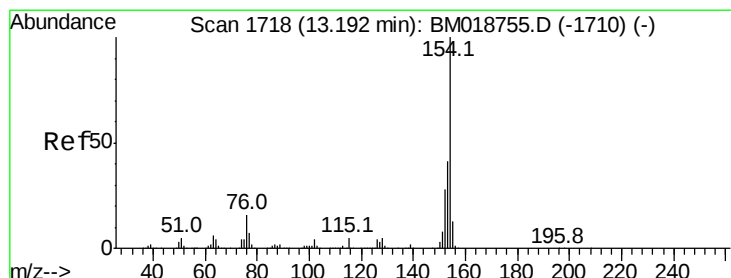
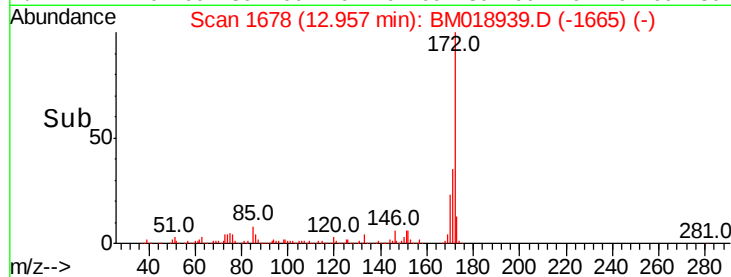
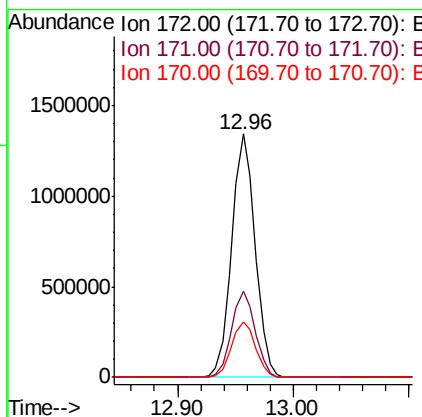
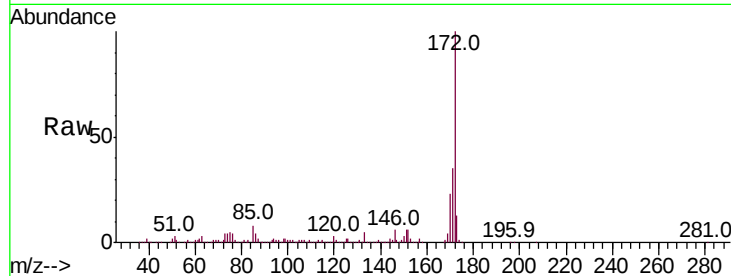
#45  
2-Fluorobiphenyl  
Concen: 49.642 ng  
RT: 12.96 min Scan# 1678  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

Tot Ion:172 Resp: 1881362  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.0 43.6  
170 23.0 18.6 28.0

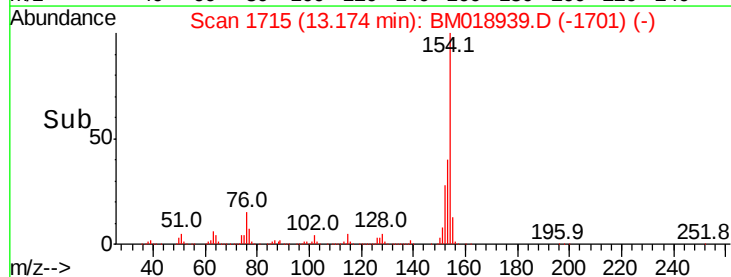
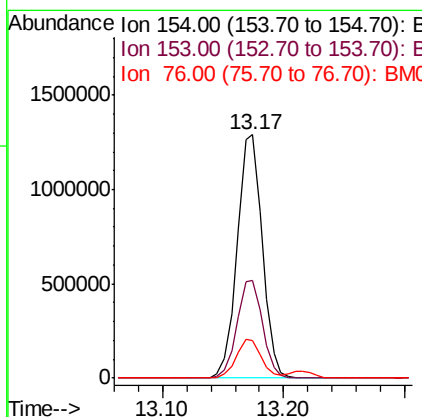
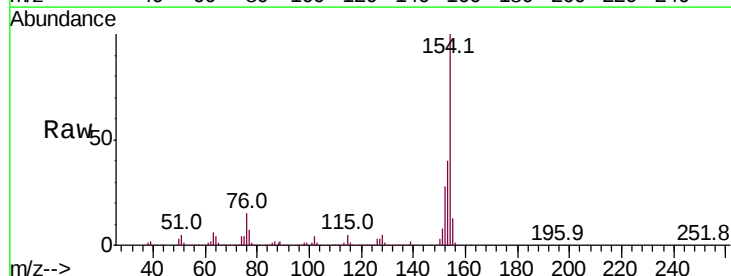
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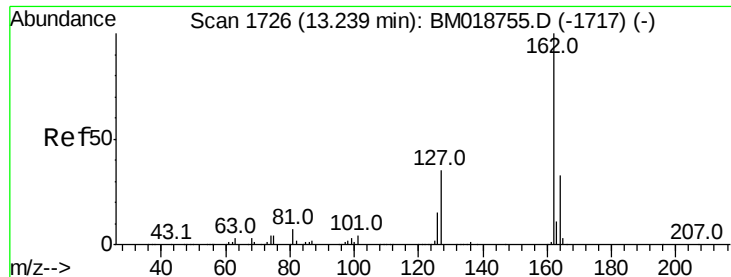
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#46  
1,1'-Biphenyl  
Concen: 43.316 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Tgt Ion:154 Resp: 1875829  
Ion Ratio Lower Upper  
154 100  
153 40.1 21.1 61.1  
76 15.4 0.0 35.7





#47

2-Chloronaphthalene

Concen: 43.439 ng

RT: 13.22 min Scan# 1722

Delta R.T. -0.02 min

Lab File: BM018939.D

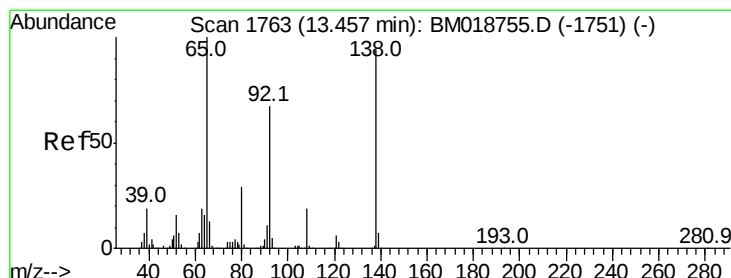
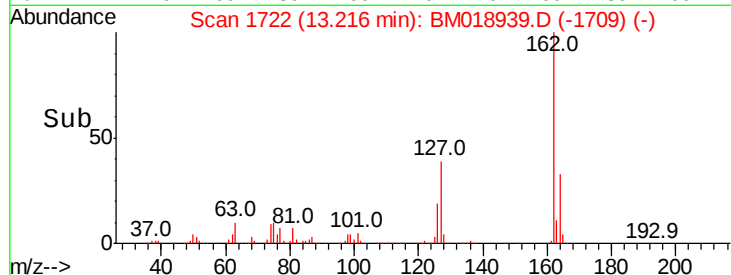
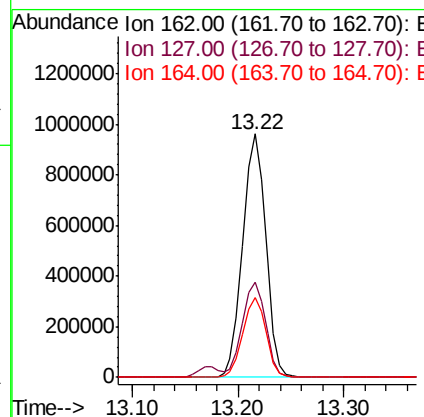
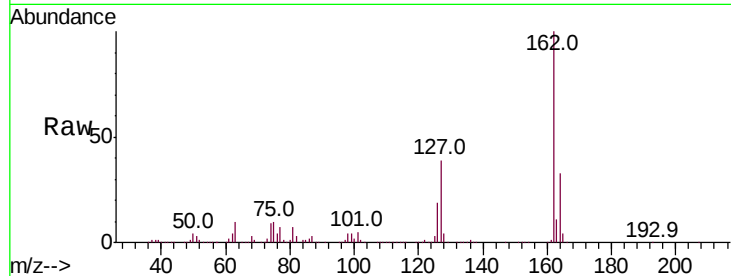
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.2  | 31.1  | 46.7  |
| 164     | 32.6  | 26.4  | 39.6  |

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#48

2-Nitroaniline

Concen: 42.696 ng

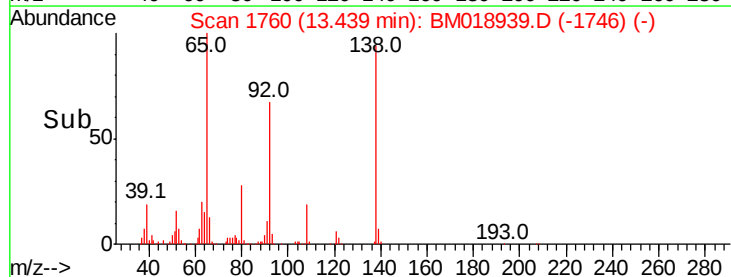
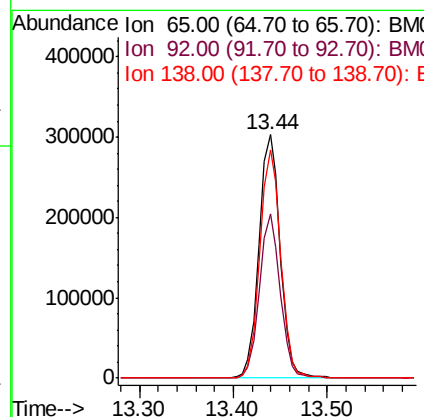
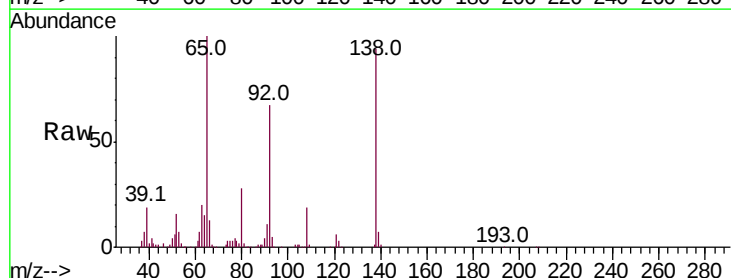
RT: 13.44 min Scan# 1760

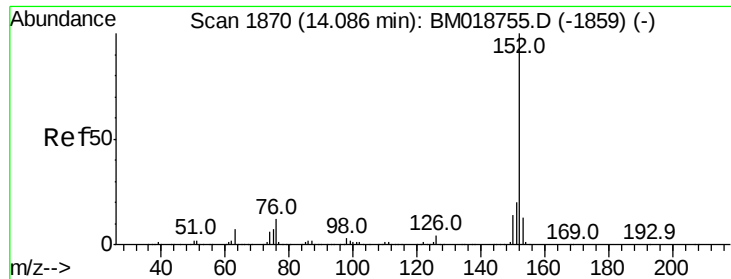
Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.4  | 54.0  | 81.0  |
| 138     | 93.5  | 74.9  | 112.3 |





#49

Acenaphthylene

Concen: 44.831 ng

RT: 14.07 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion:152 Resp: 2232824

Ion Ratio Lower Upper

152 100

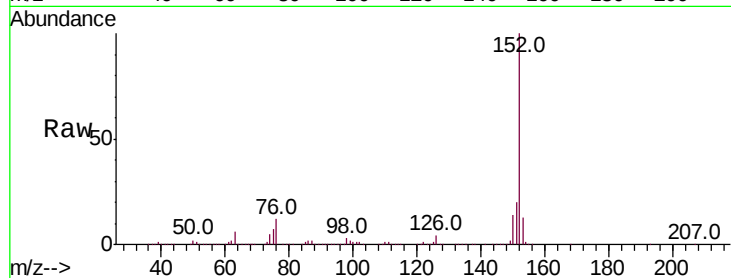
151 19.7 15.8 23.8

153 12.6 10.5 15.7

Manual Integrations  
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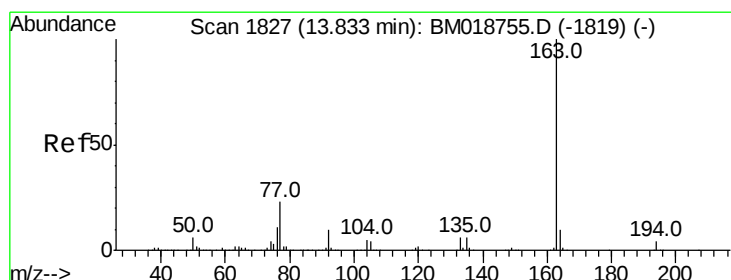
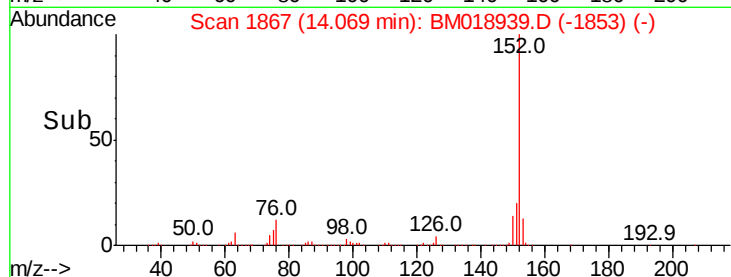
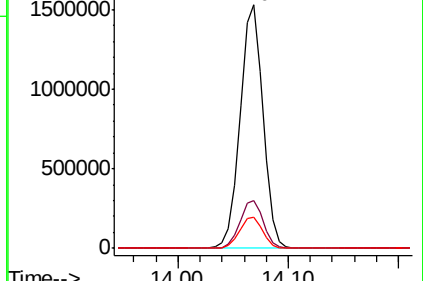
2/27/2019 4:20:22 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.932 ng

RT: 13.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

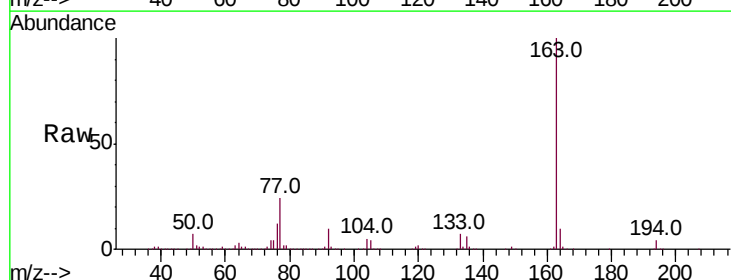
Tgt Ion:163 Resp: 1841985

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

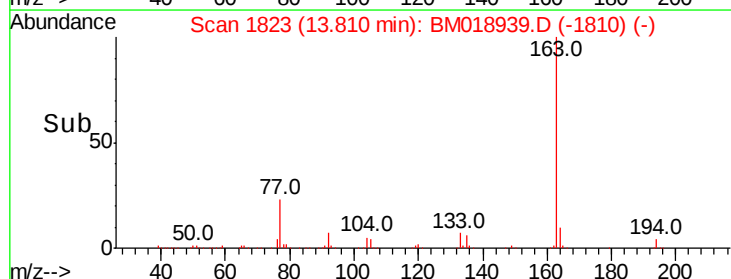
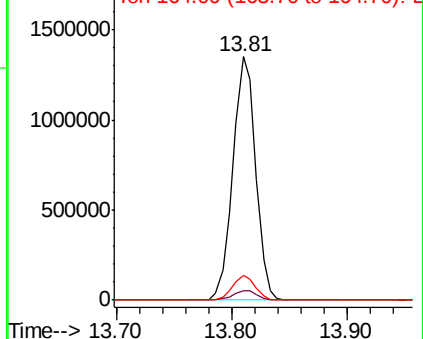
164 10.4 7.8 11.8

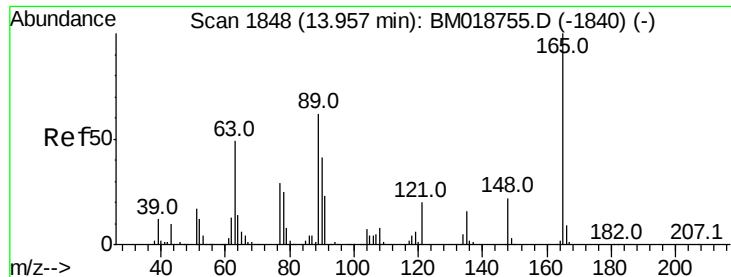


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





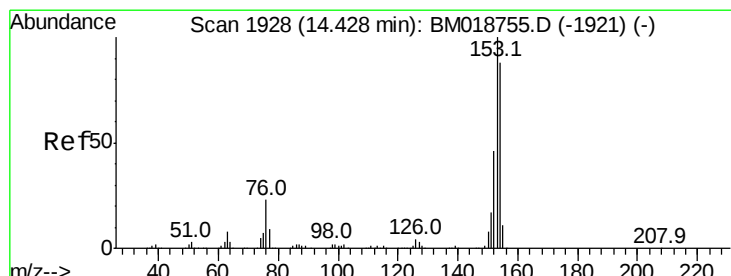
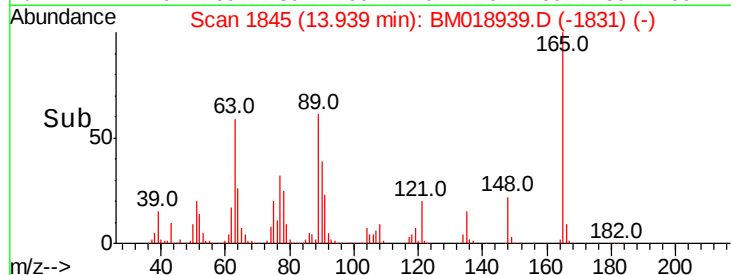
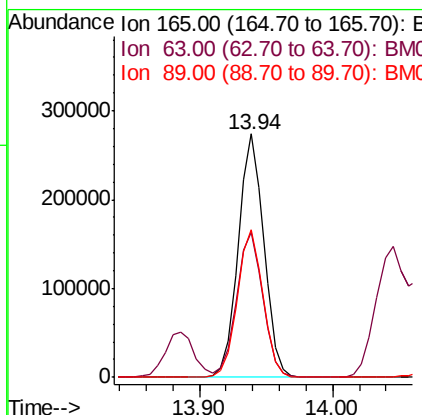
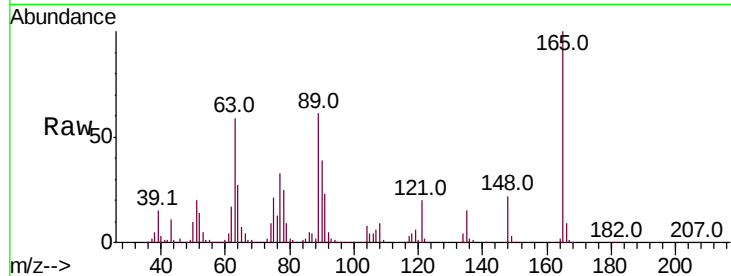
#51  
2,6-Dinitrotoluene  
Concen: 39.890 ng  
RT: 13.94 min Scan# 1845  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 362303 |       |       |
| 63      | 59.4  | 48.9   | 73.3  |       |
| 89      | 60.6  | 49.4   | 74.0  |       |

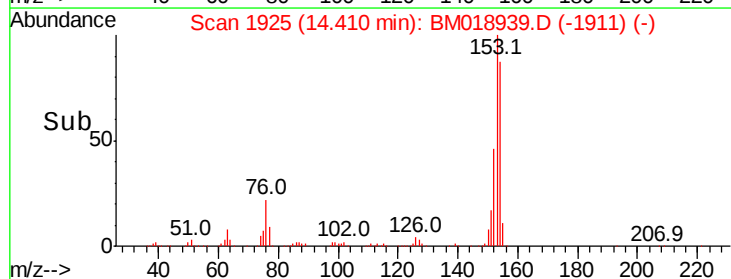
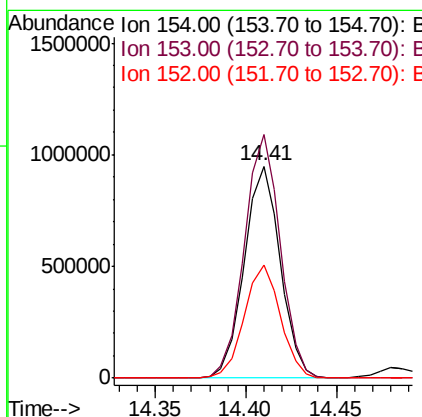
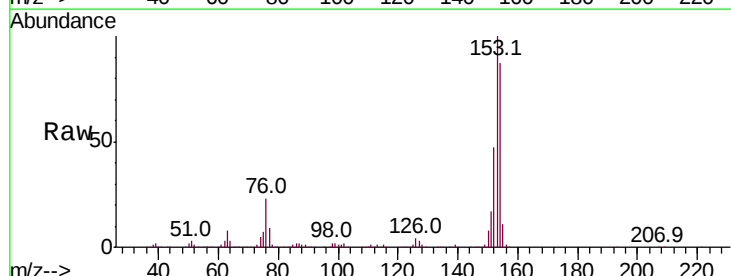
Manual Integrations  
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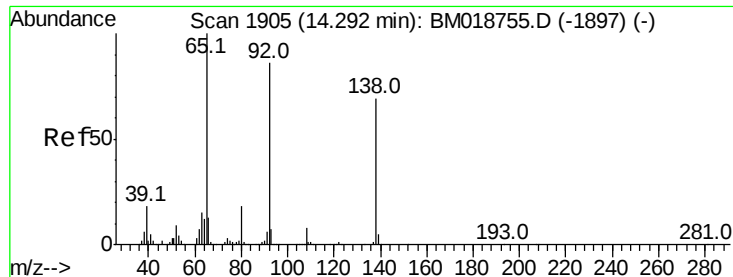
Sohil  
2/27/2019 4:20:22 PM



#52  
Acenaphthene  
Concen: 42.827 ng  
RT: 14.41 min Scan# 1925  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1307909 |       |       |
| 153     | 115.1 | 91.3    | 136.9 |       |
| 152     | 53.5  | 42.2    | 63.4  |       |





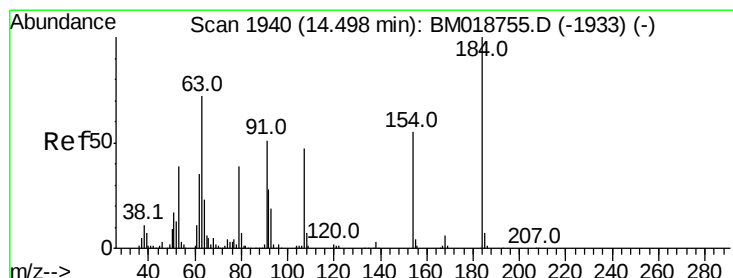
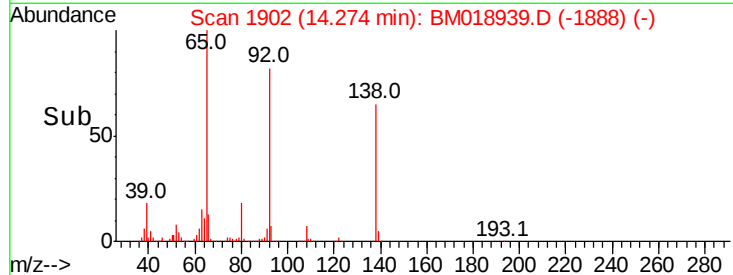
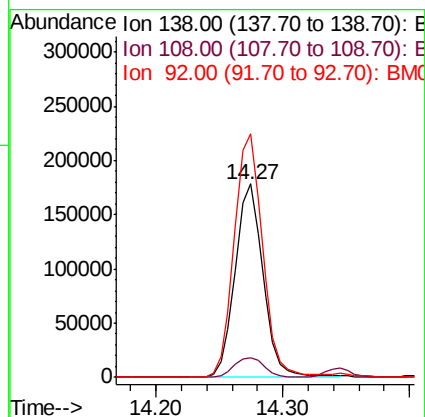
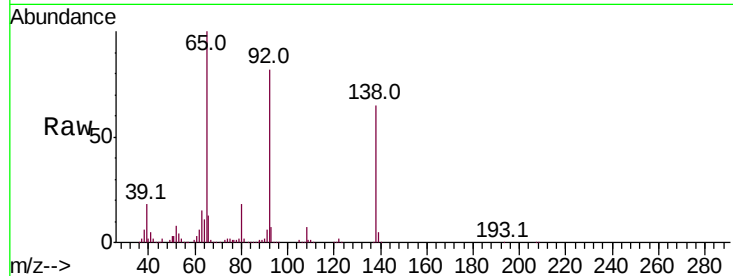
#53  
3-Nitroaniline  
Concen: 26.488 ng  
RT: 14.27 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 9.1   | 13.7  |
| 92      | 126.1 | 99.7  | 149.5 |

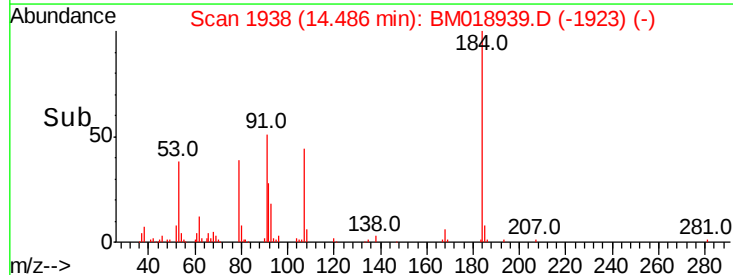
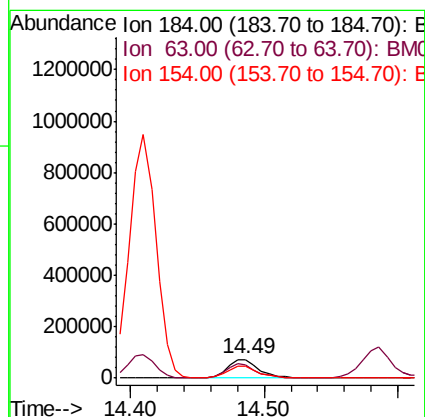
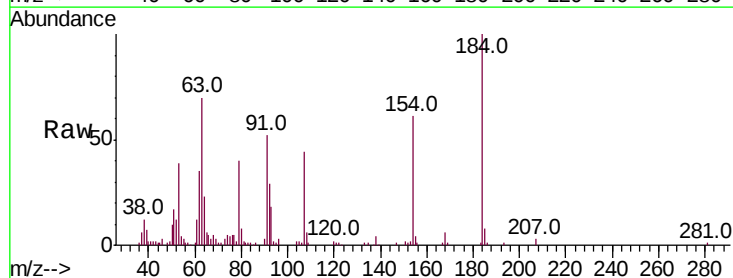
Manual Integrations  
APPROVED

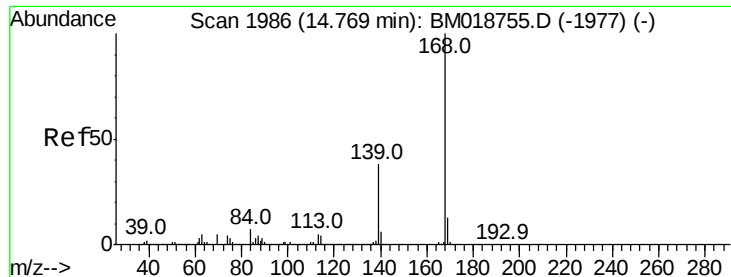
Sohil  
2/27/2019 4:20:22 PM



#54  
2,4-Dinitrophenol  
Concen: 24.820 ng  
RT: 14.49 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 69.6  | 58.0  | 87.0  |
| 154     | 61.0  | 50.3  | 75.5  |





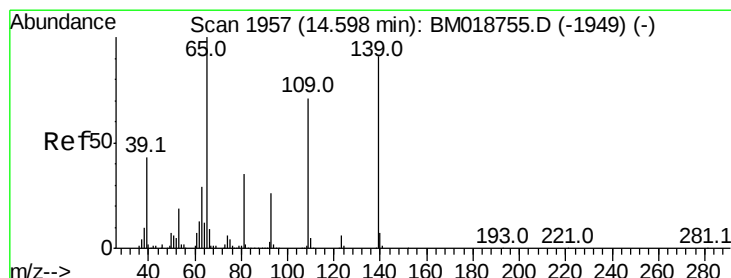
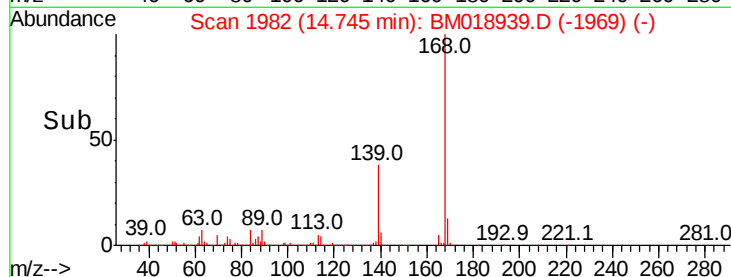
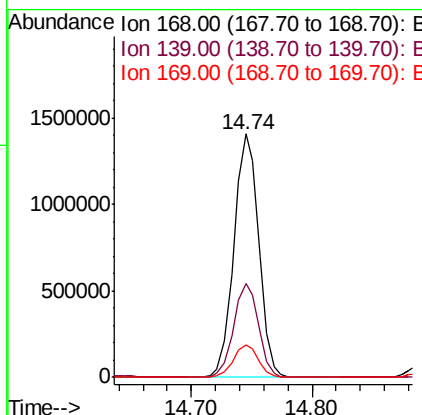
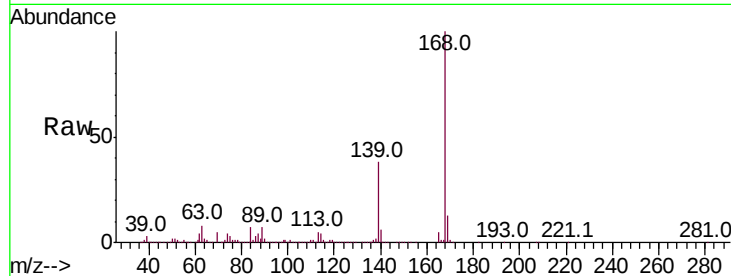
#55  
Dibenzofuran  
Concen: 40.039 ng  
RT: 14.74 min Scan# 1982  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.4  | 30.7  | 46.1  |
| 169     | 13.3  | 10.3  | 15.5  |

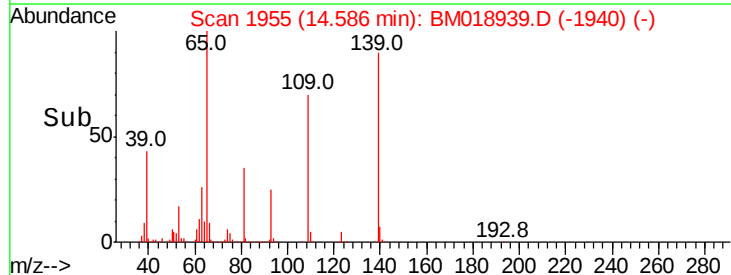
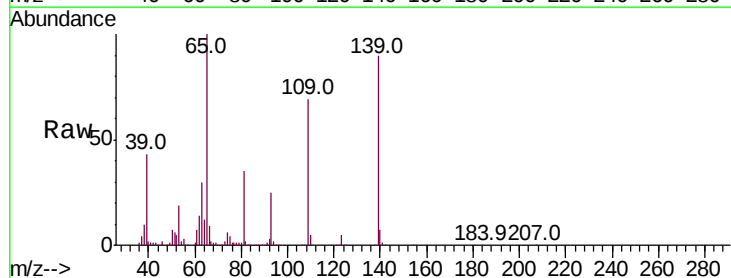
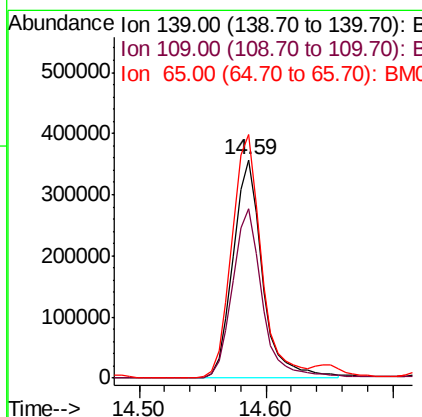
Manual Integrations  
APPROVED

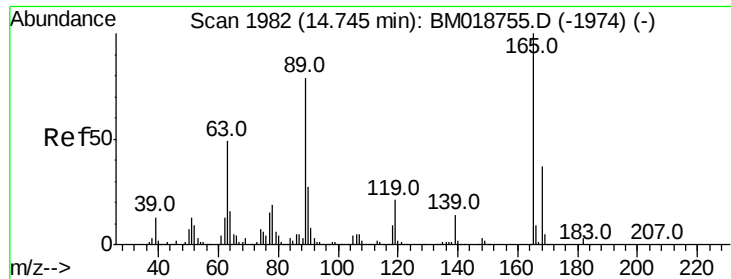
Sohil  
2/27/2019 4:20:22 PM



#56  
4-Nitrophenol  
Concen: 69.834 ng  
RT: 14.59 min Scan# 1955  
Delta R.T. -0.01 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 77.6  | 58.4  | 98.4  |
| 65      | 111.7 | 89.8  | 129.8 |





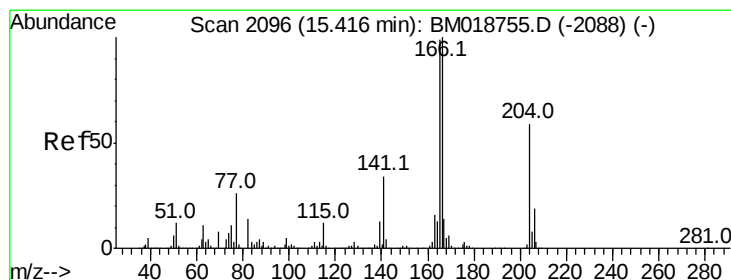
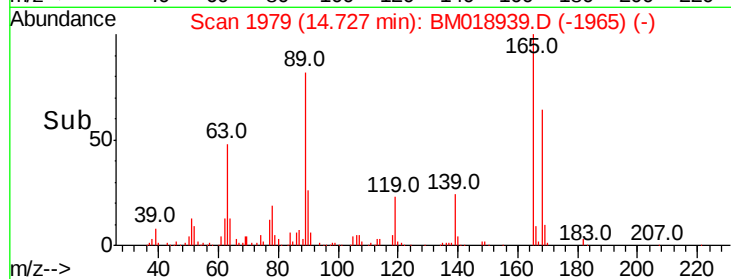
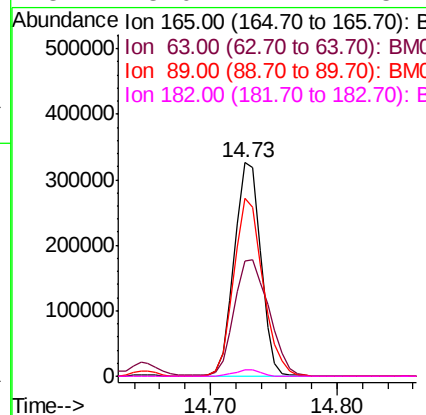
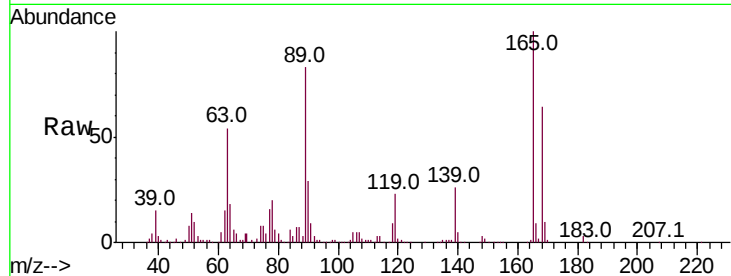
#57  
2,4-Dinitrotoluene  
Concen: 37.582 ng  
RT: 14.73 min Scan# 1979  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 470301 |       |       |
| 63      | 53.8  |        | 39.6  | 59.4  |
| 89      | 83.4  |        | 63.5  | 95.3  |
| 182     | 3.0   |        | 2.2   | 3.4   |

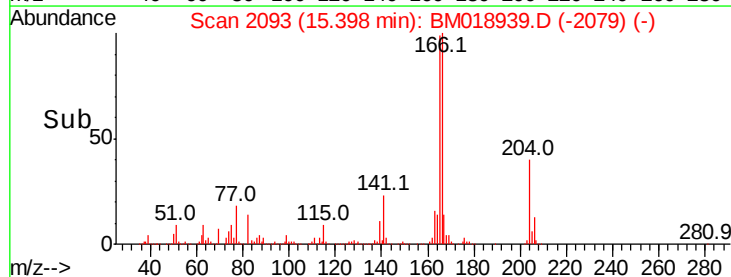
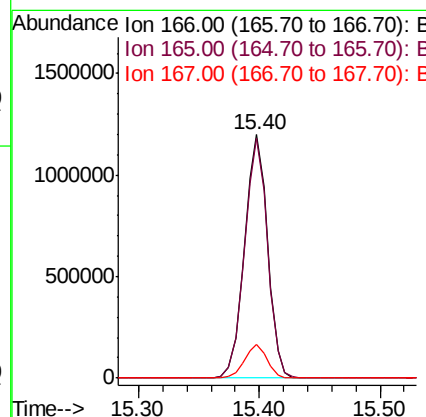
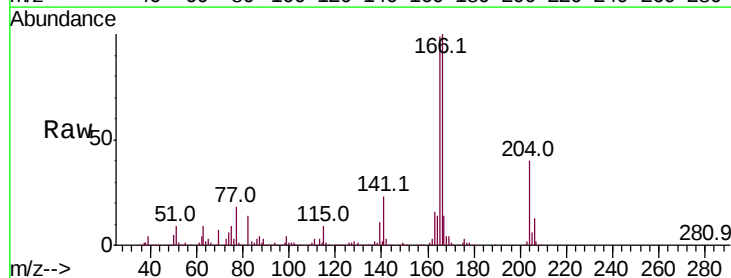
Manual Integrations  
APPROVED

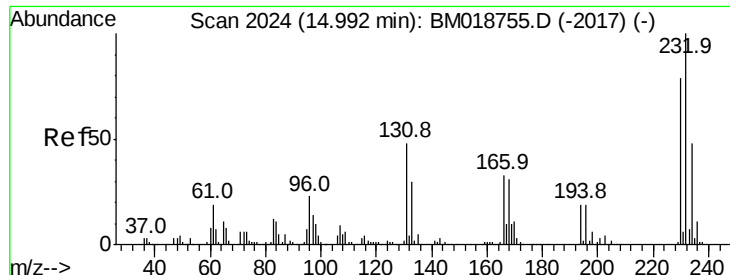
Sohil  
2/27/2019 4:20:22 PM



#58  
Fluorene  
Concen: 41.598 ng  
RT: 15.40 min Scan# 2093  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1597426 |       |       |
| 165     | 98.7  |         | 79.1  | 118.7 |
| 167     | 13.6  |         | 11.0  | 16.4  |





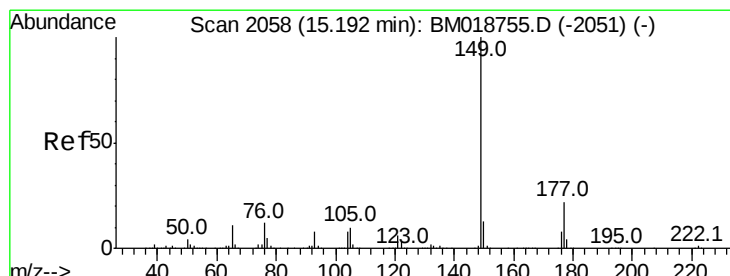
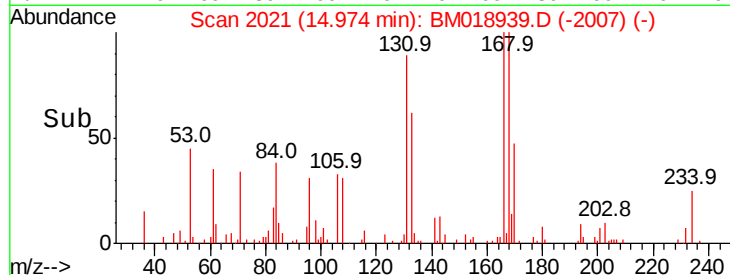
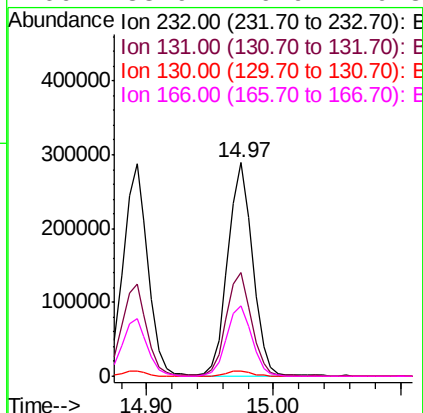
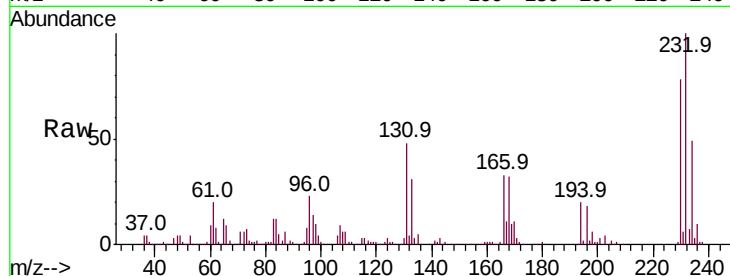
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 39.425 ng  
 RT: 14.97 min Scan# 2021  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampled :  
 WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 389135 |       |       |
| 131     | 48.7  |        | 38.6  | 57.8  |
| 130     | 2.6   |        | 2.0   | 3.0   |
| 166     | 33.9  |        | 26.9  | 40.3  |

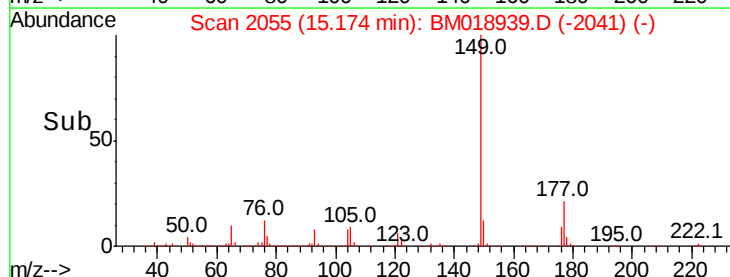
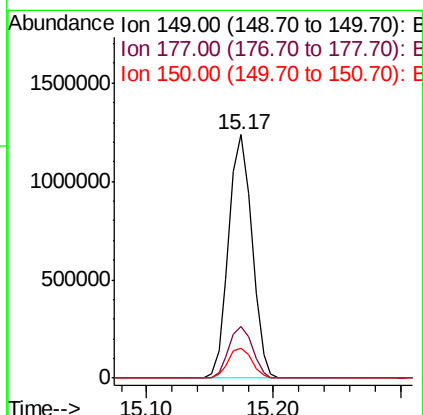
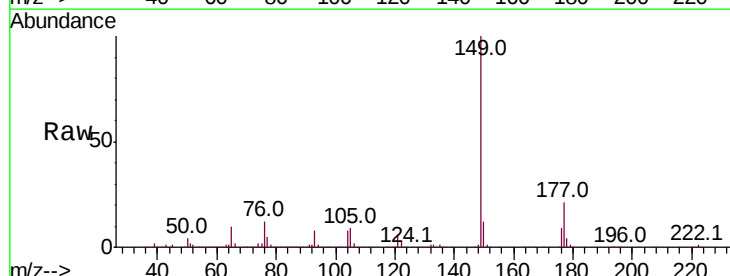
Manual Integrations  
 APPROVED

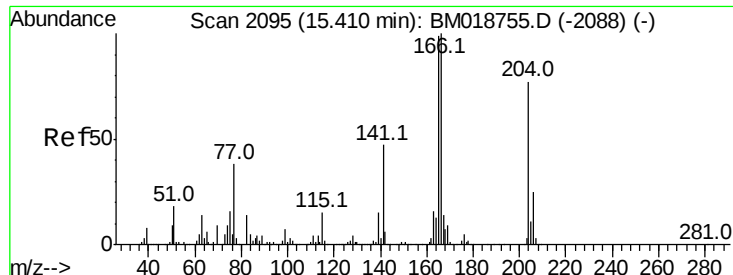
Sohil  
 2/27/2019 4:20:22 PM



#60  
 Diethylphthalate  
 Concen: 36.591 ng  
 RT: 15.17 min Scan# 2055  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1582575 |       |       |
| 177     | 21.4  |         | 17.2  | 25.8  |
| 150     | 12.4  |         | 10.2  | 15.2  |





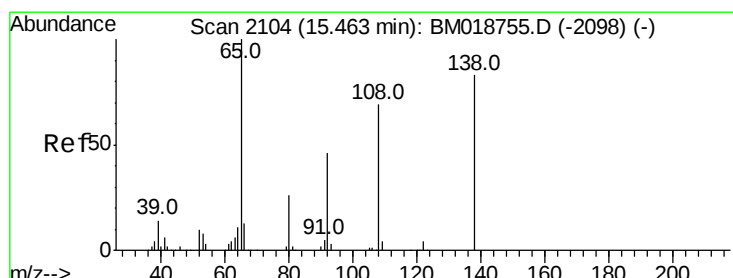
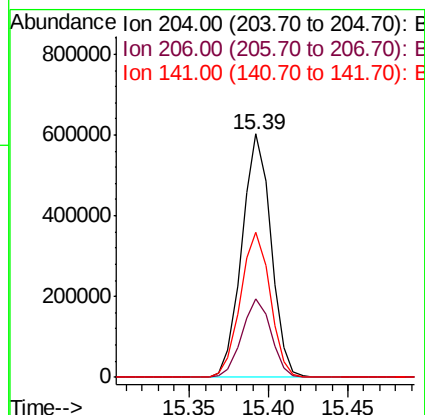
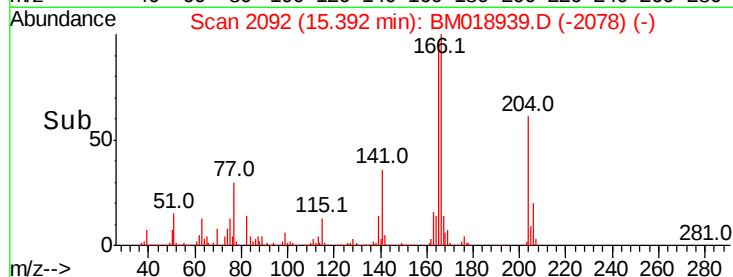
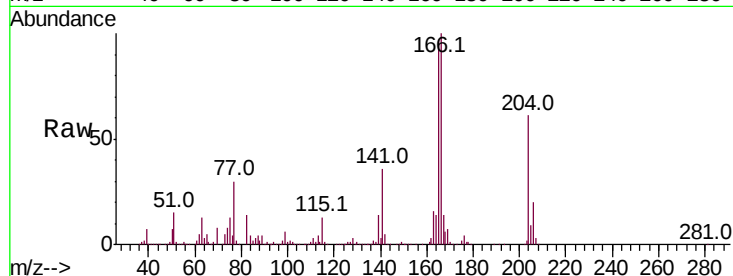
#61  
4-Chlorophenyl-phenylether  
Concen: 35.612 ng  
RT: 15.39 min Scan# 2092  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.4  | 26.2  | 39.2  |
| 141     | 59.5  | 49.2  | 73.8  |

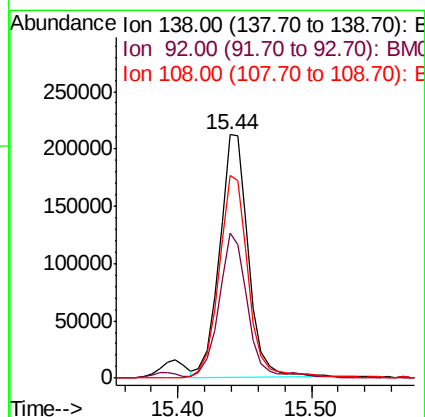
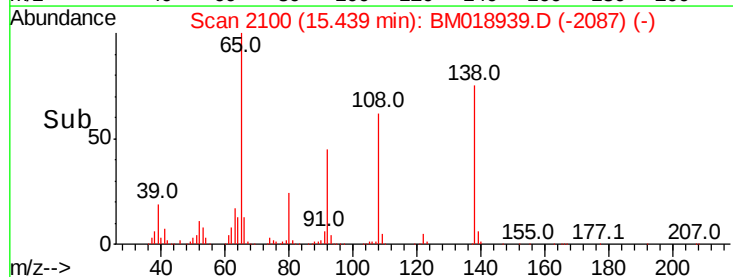
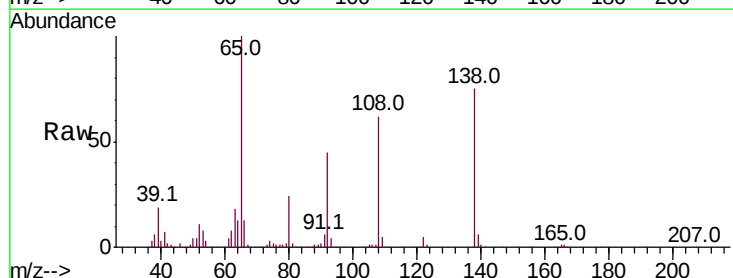
Manual Integrations  
APPROVED

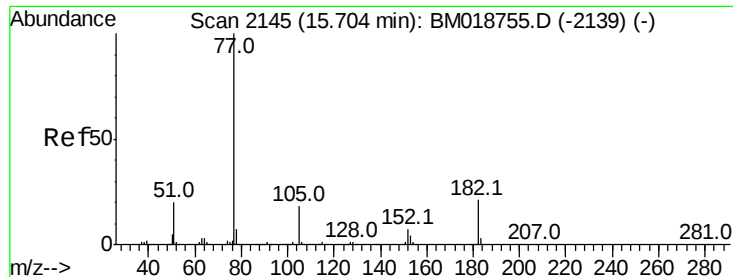
Sohil  
2/27/2019 4:20:22 PM



#62  
4-Nitroaniline  
Concen: 31.755 ng  
RT: 15.44 min Scan# 2100  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 59.8  | 35.5  | 75.5  |
| 108     | 83.3  | 62.4  | 102.4 |





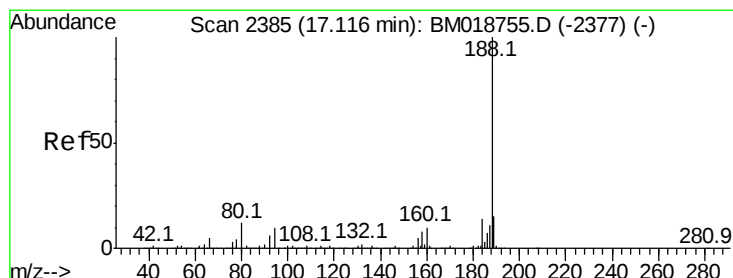
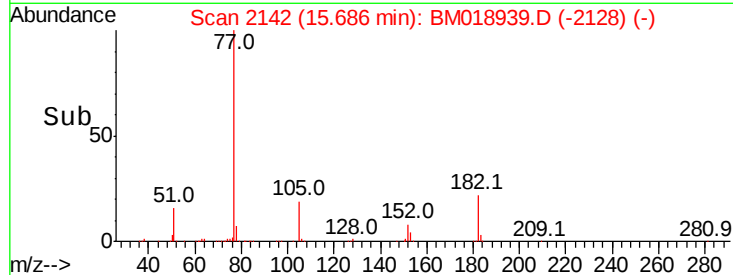
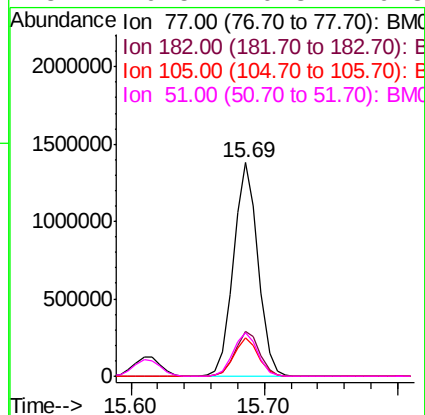
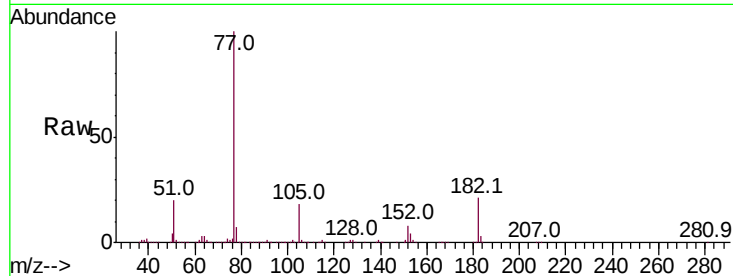
#63  
Azobenzene  
Concen: 37.867 ng  
RT: 15.69 min Scan# 2142  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 20.9  | 1.0   | 41.0  |
| 105     | 18.0  | 0.0   | 37.7  |
| 51      | 20.5  | 0.3   | 40.3  |

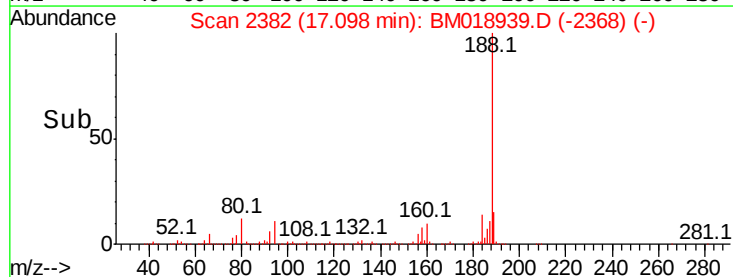
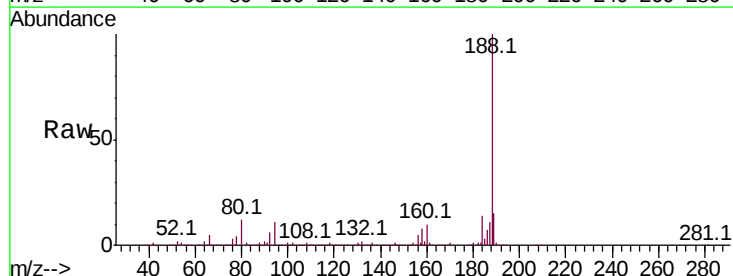
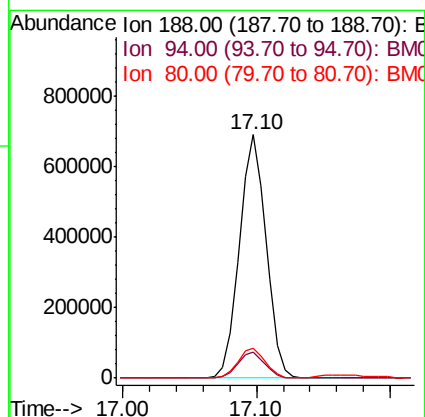
Manual Integrations  
APPROVED

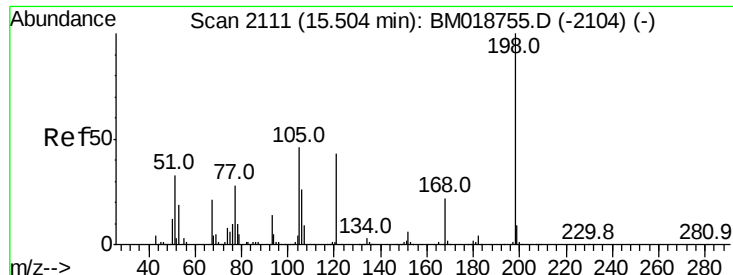
Sohil  
2/27/2019 4:20:22 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.10 min Scan# 2382  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.7  | 8.2   | 12.2  |
| 80      | 12.4  | 9.7   | 14.5  |





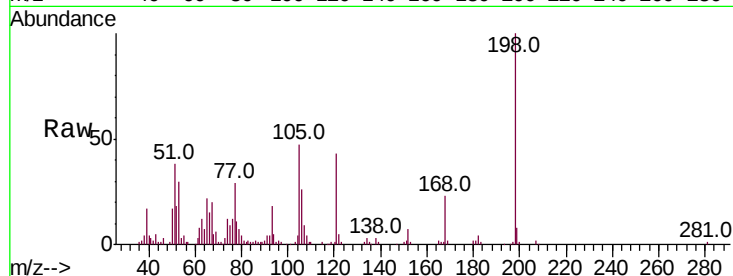
#65  
4,6-Dinitro-2-methylphenol  
Concen: 20.926 ng  
RT: 15.49 min Scan# 2109  
Delta R.T. -0.01 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 140124 |       |       |
| 51      | 37.5  | 18.4   | 58.4  |       |
| 105     | 46.9  | 27.2   | 67.2  |       |

Manual Integrations  
APPROVED

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2/27/2019 4:20:22 PM

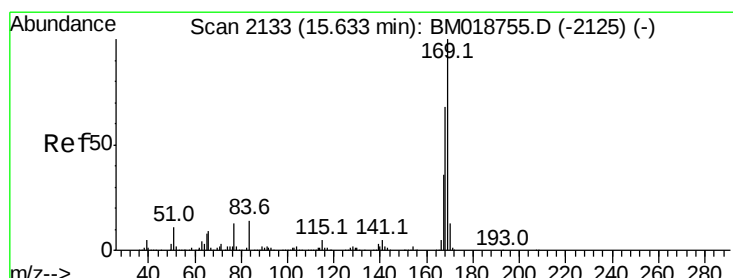
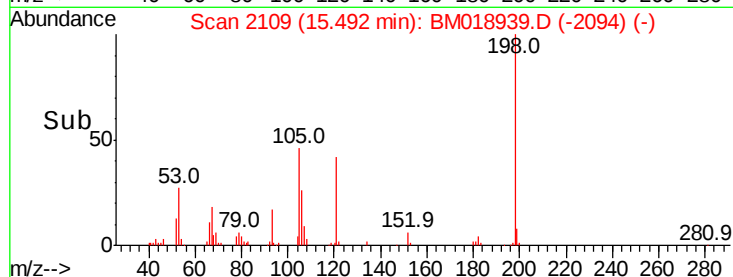
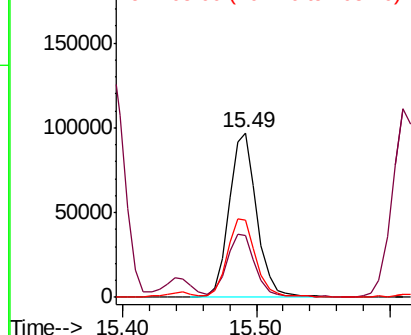


Abundance

Ion 198.00 (197.70 to 198.70): E

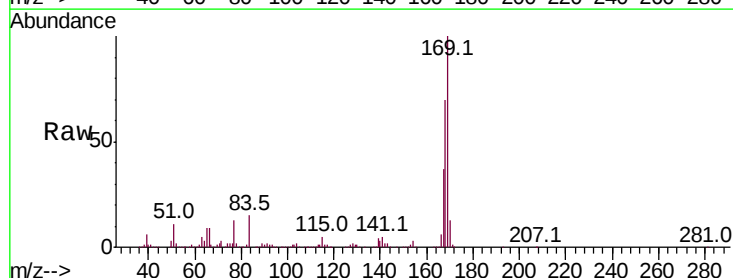
Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66  
n-Nitrosodiphenylamine  
Concen: 42.967 ng  
RT: 15.62 min Scan# 2130  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1294669 |       |       |
| 168     | 69.7  | 54.4    | 81.6  |       |
| 167     | 36.6  | 29.0    | 43.6  |       |

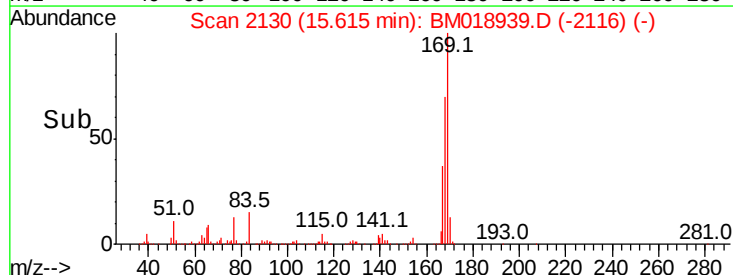
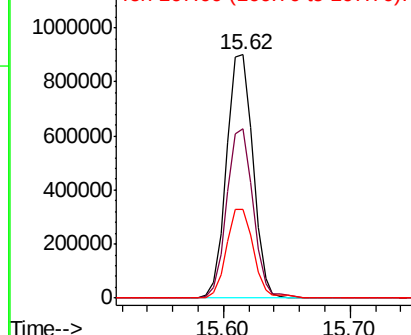


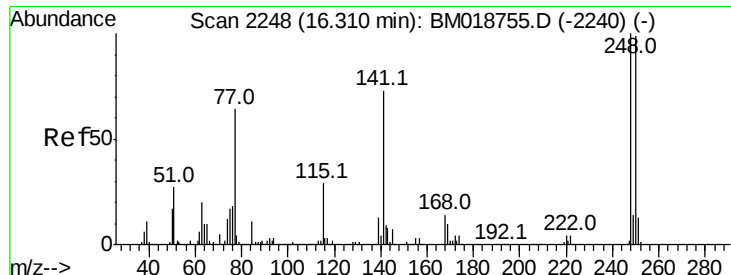
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





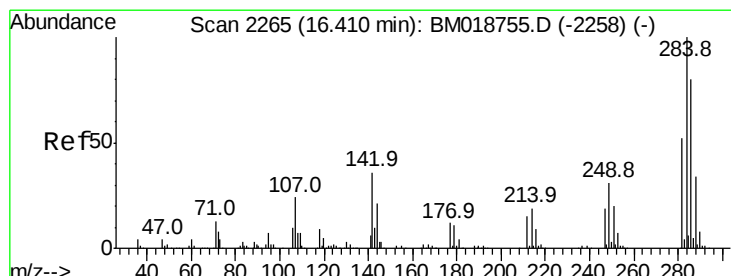
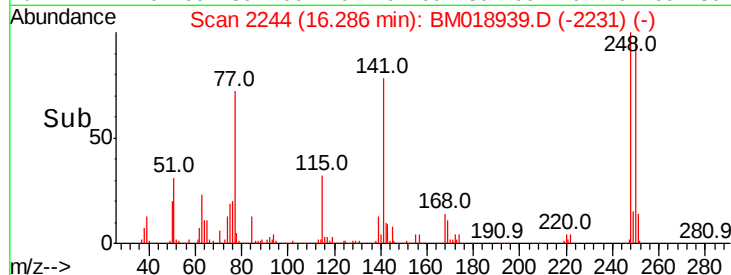
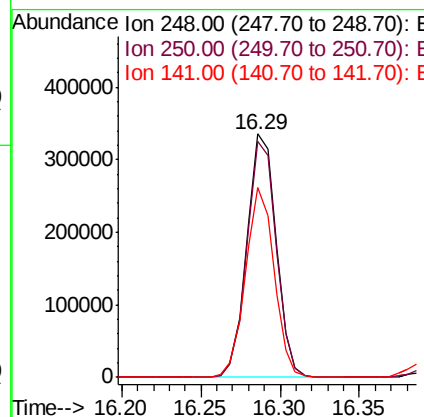
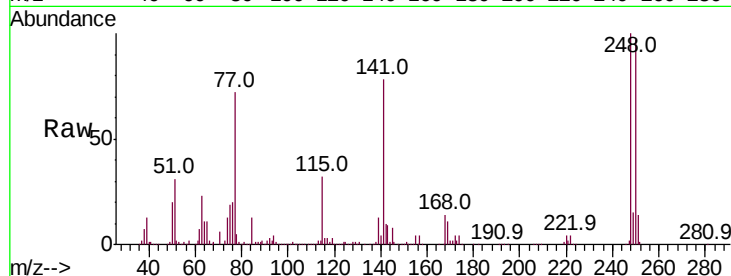
#67  
4-Bromophenyl-phenylether  
Concen: 40.489 ng  
RT: 16.29 min Scan# 2244  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.9  | 79.0  | 118.6 |
| 141     | 78.0  | 58.6  | 88.0  |

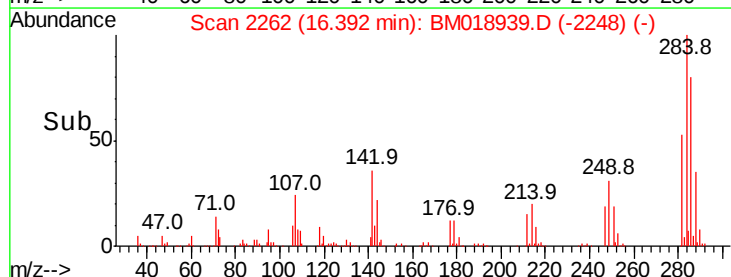
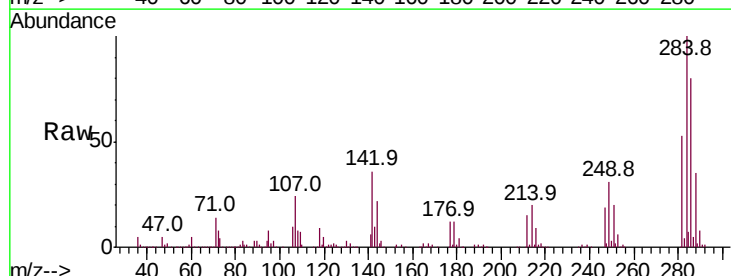
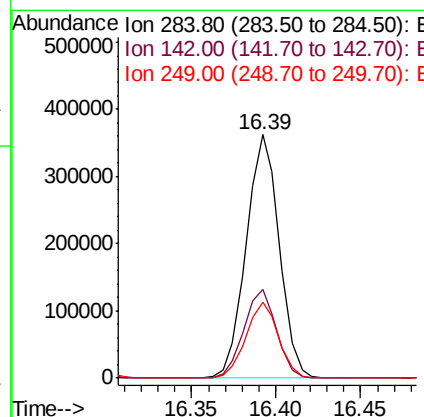
Manual Integrations  
APPROVED

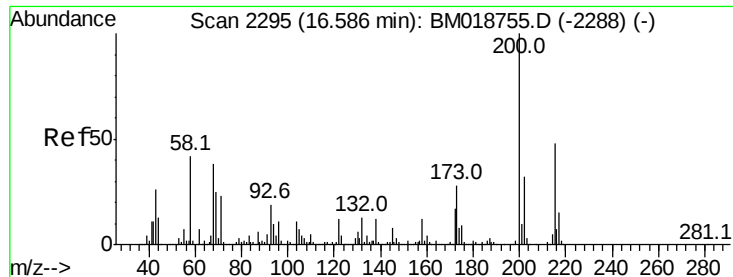
Sohil  
2/27/2019 4:20:22 PM



#68  
Hexachlorobenzene  
Concen: 39.710 ng  
RT: 16.39 min Scan# 2262  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.5  | 28.9  | 43.3  |
| 249     | 31.2  | 24.8  | 37.2  |





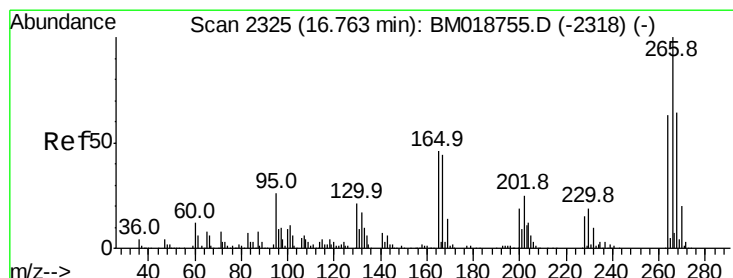
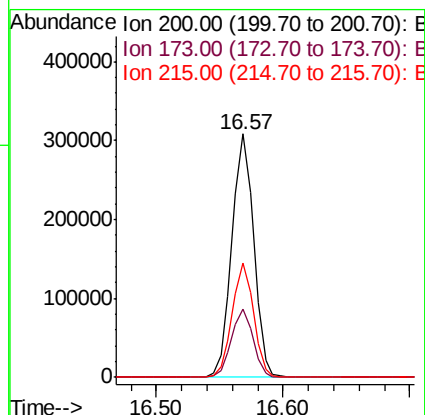
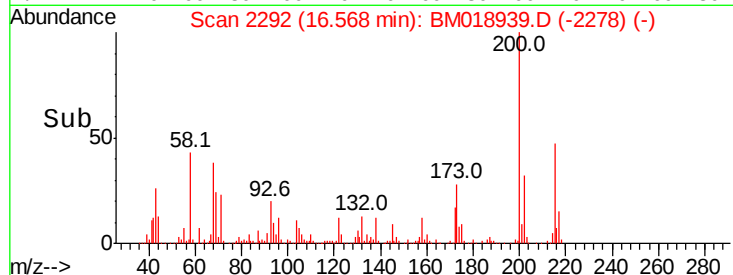
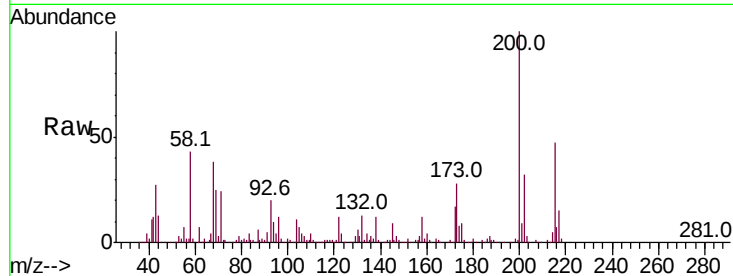
#69  
Atrazine  
Concen: 37.748 ng  
RT: 16.57 min Scan# 2292  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 28.2  | 7.6        | 47.6  |
| 215     | 47.2  | 27.6       | 67.6  |

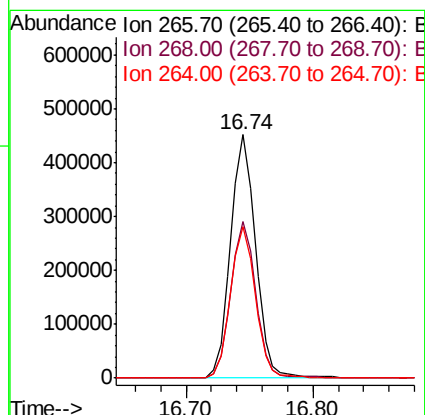
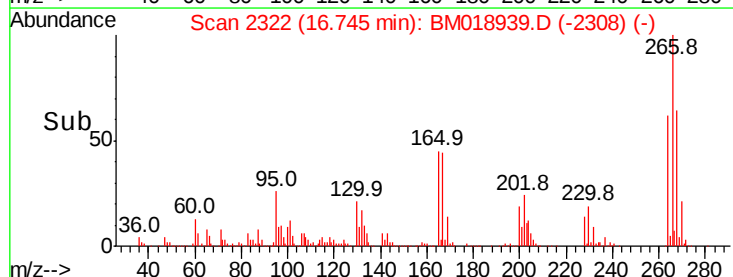
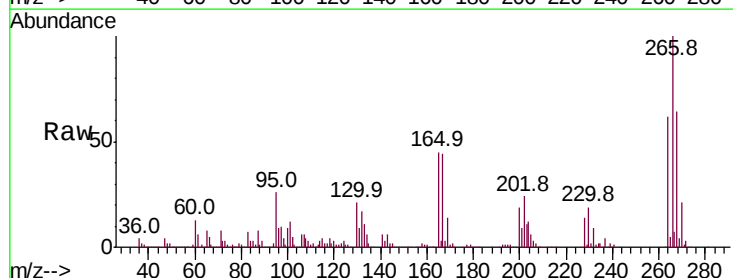
Manual Integrations  
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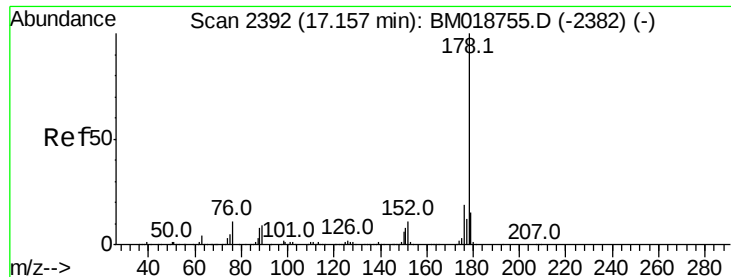
Sohil  
2/27/2019 4:20:22 PM



#70  
Pentachlorophenol  
Concen: 77.261 ng  
RT: 16.74 min Scan# 2322  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 64.1  | 51.3       | 76.9  |
| 264     | 62.0  | 50.6       | 75.8  |





#71

Phenanthrene

Concen: 45.967 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion:178 Resp: 2356002

Ion Ratio Lower Upper

178 100

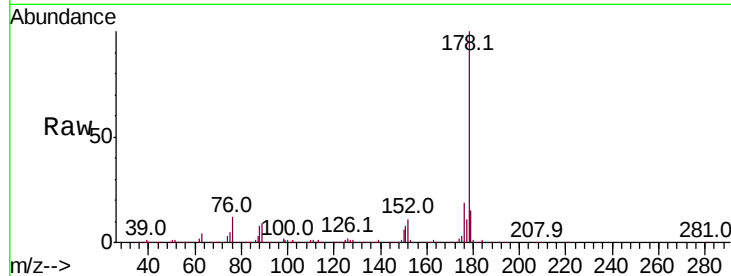
176 19.4 15.4 23.0

179 15.5 12.3 18.5

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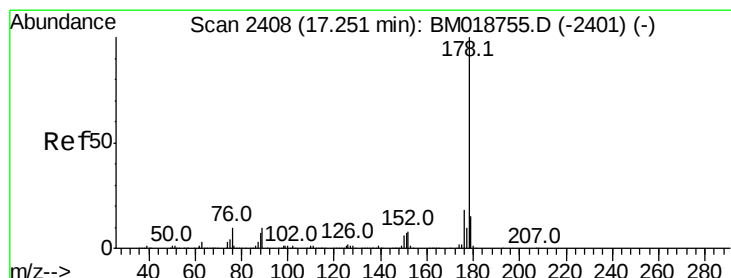
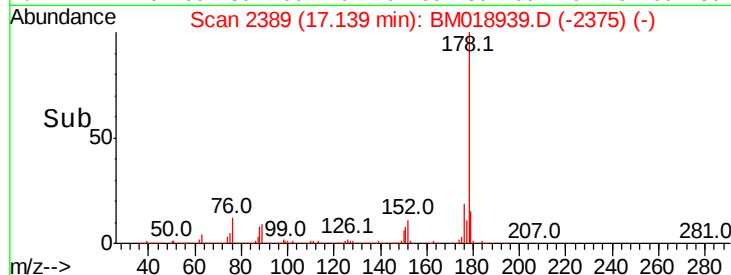
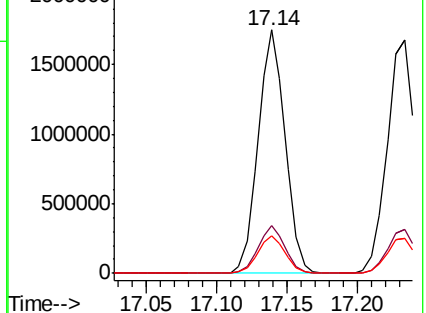
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.230 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Tgt Ion:178 Resp: 2306292

Ion Ratio Lower Upper

178 100

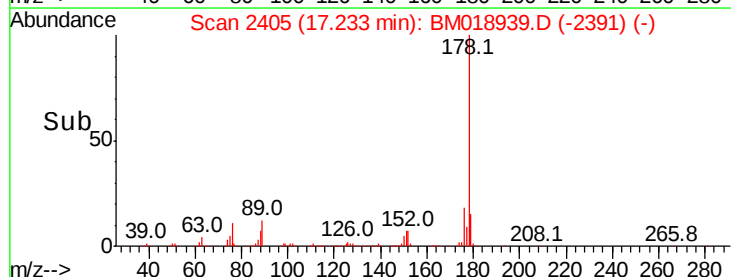
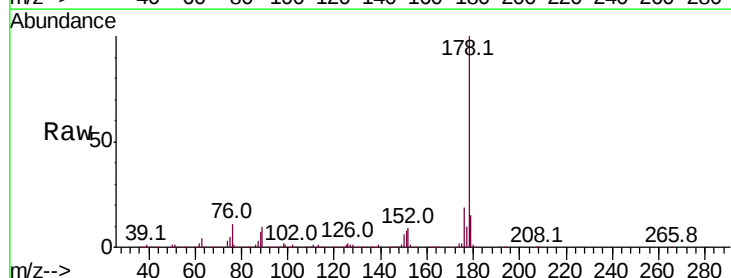
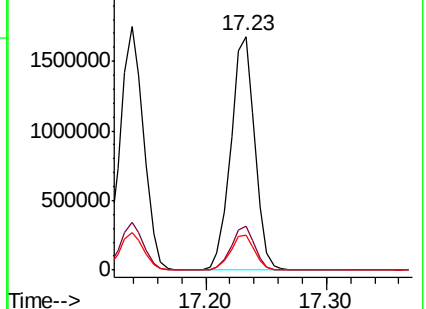
176 18.6 14.8 22.2

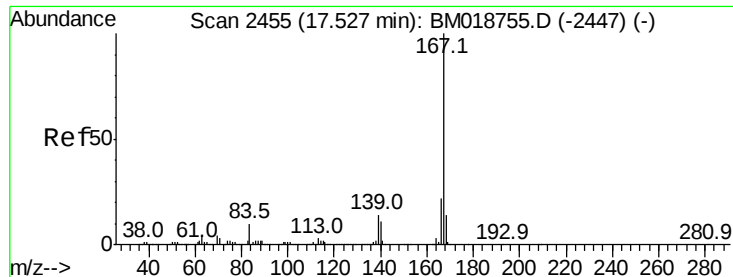
179 15.0 12.1 18.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 39.568 ng

RT: 17.51 min Scan# 2452

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

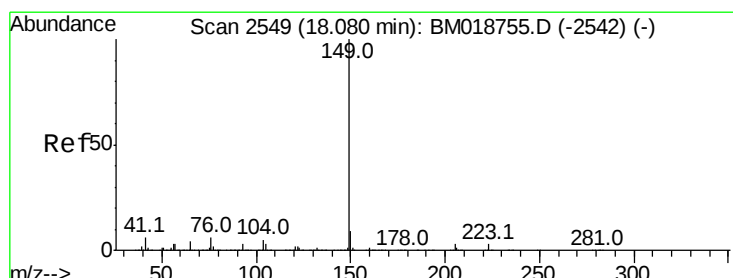
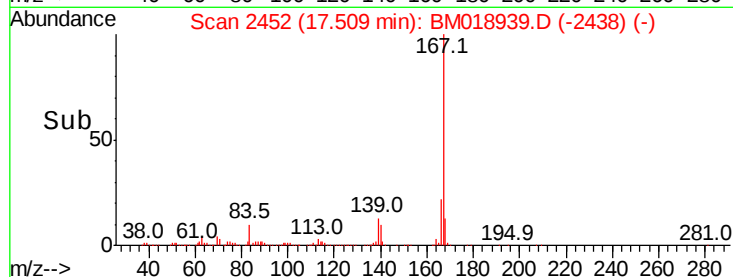
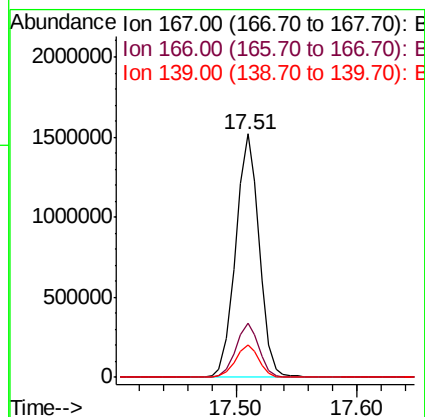
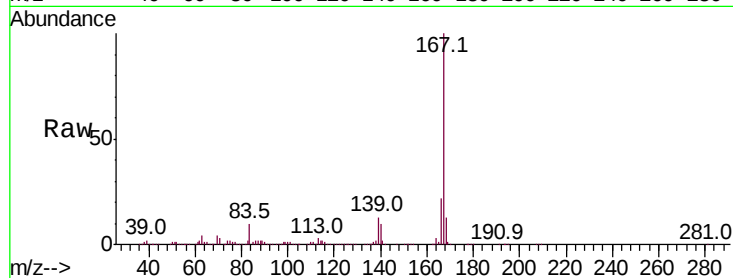
ClientSampleId :

WV-EMS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 167   | Resp: | 2062271 |
| Ion      | Ratio | Lower | Upper   |
| 167      | 100   |       |         |
| 166      | 22.3  | 17.7  | 26.5    |
| 139      | 13.3  | 10.9  | 16.3    |

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#74

Di-n-butylphthalate

Concen: 39.945 ng

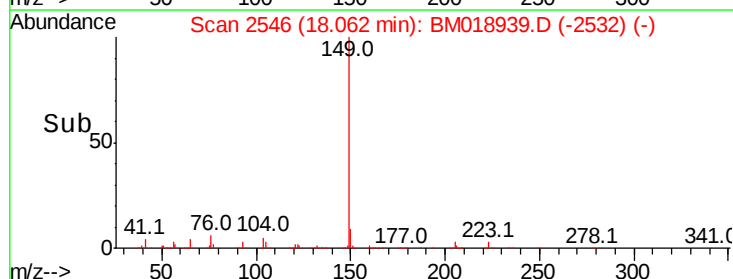
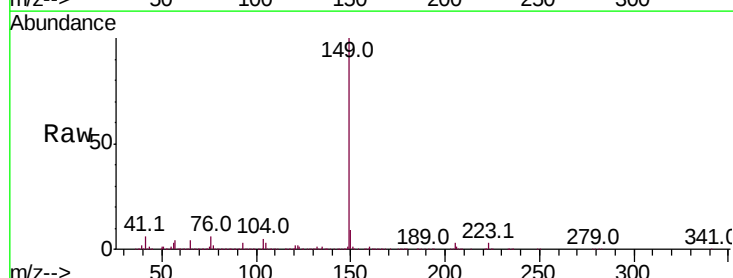
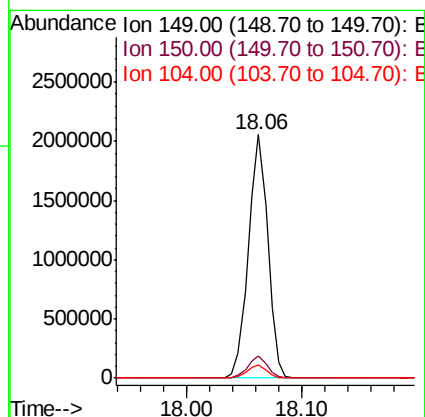
RT: 18.06 min Scan# 2546

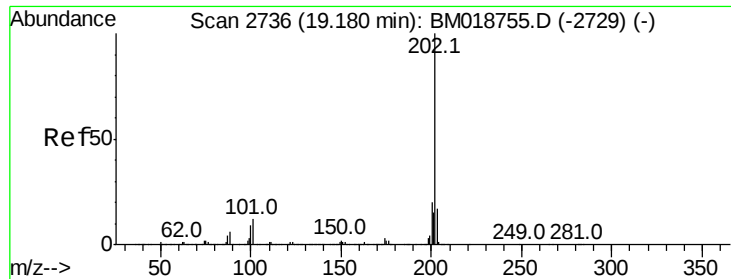
Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 2394355 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 150      | 9.1   | 7.4   | 11.0    |
| 104      | 5.4   | 4.3   | 6.5     |





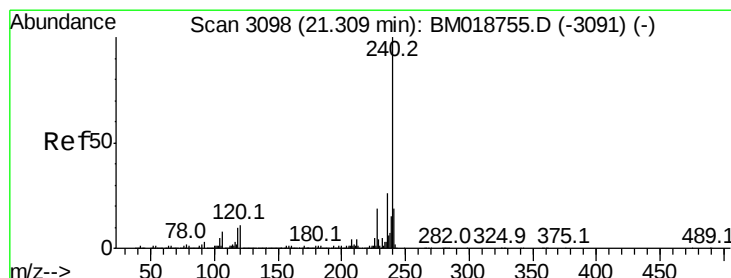
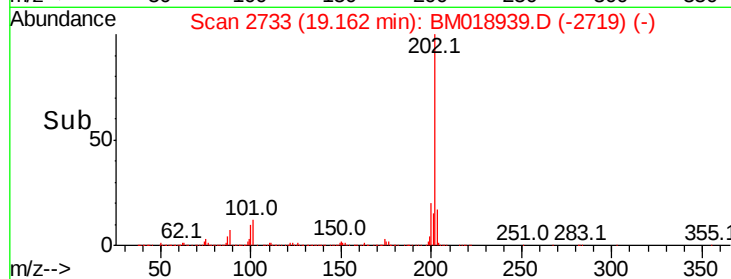
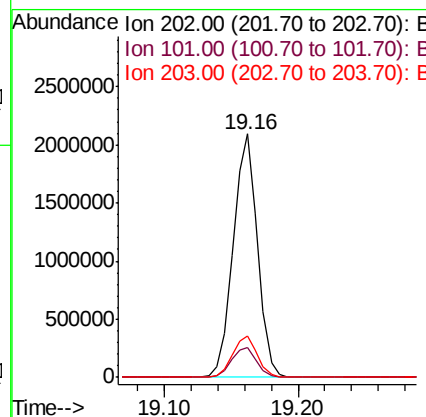
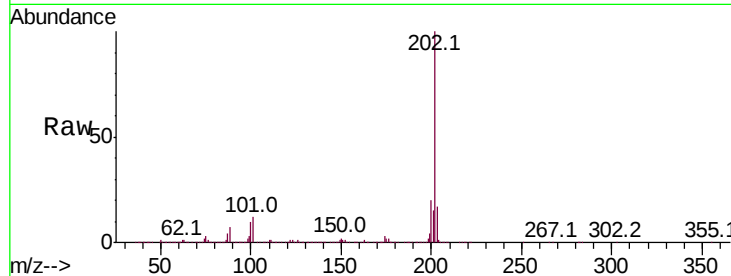
#75  
 Fluoranthene  
 Concen: 44.957 ng  
 RT: 19.16 min Scan# 2733  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 0.0   | 31.5  |
| 203     | 17.2  | 0.0   | 37.3  |

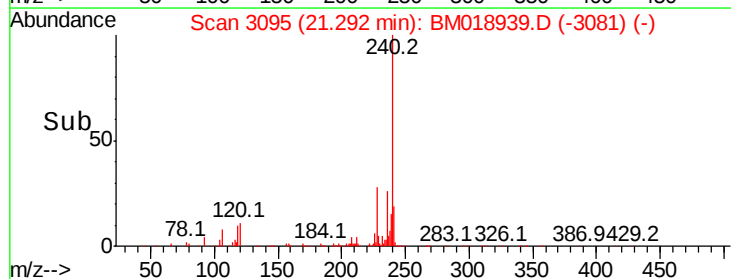
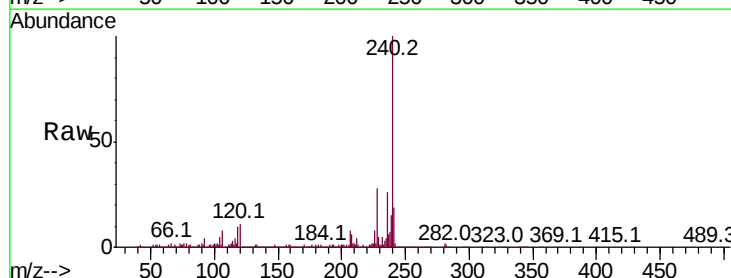
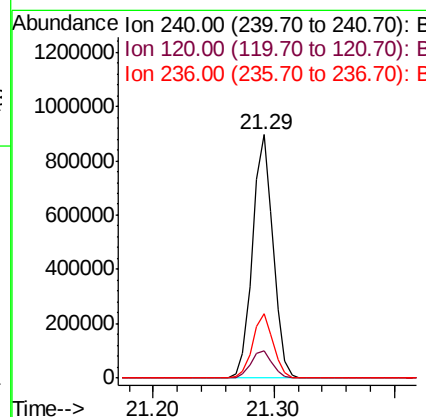
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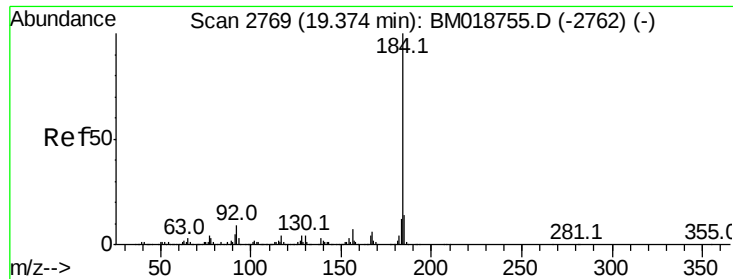
Sohil  
 2/27/2019 4:20:22 PM



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.29 min Scan# 3095  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 8.9   | 13.3  |
| 236     | 26.2  | 20.9  | 31.3  |





#77

Benzidine

Concen: 84.057 ng

RT: 19.36 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion:184 Resp: 2031310

Ion Ratio Lower Upper

184 100

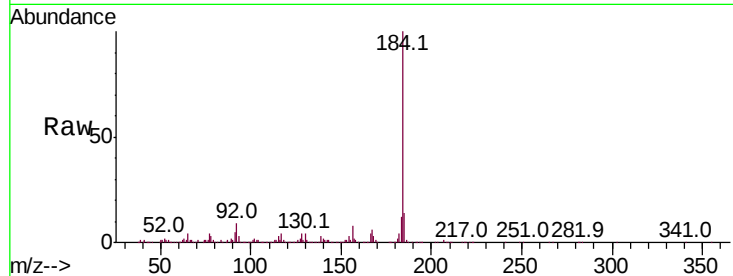
185 14.1 11.2 16.8

183 12.1 9.7 14.5

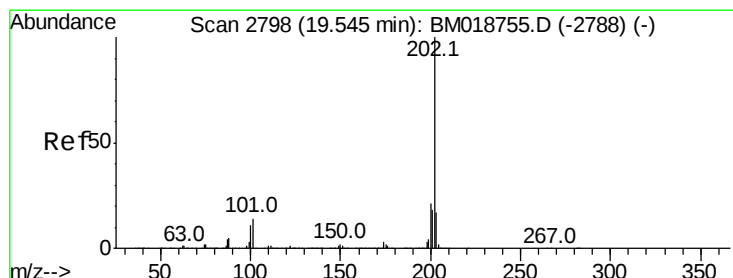
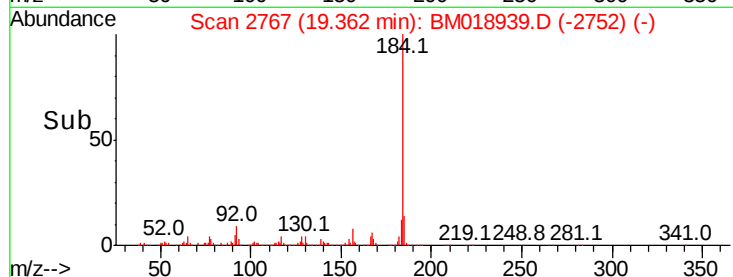
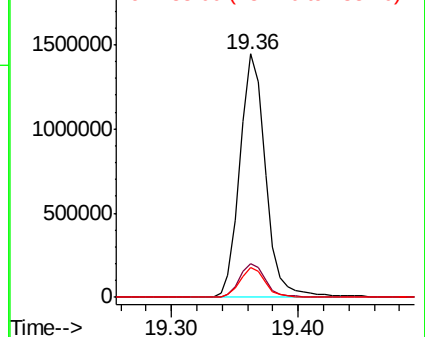
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Abundance Ion 184.00 (183.70 to 184.70): E  
2000000  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.683 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

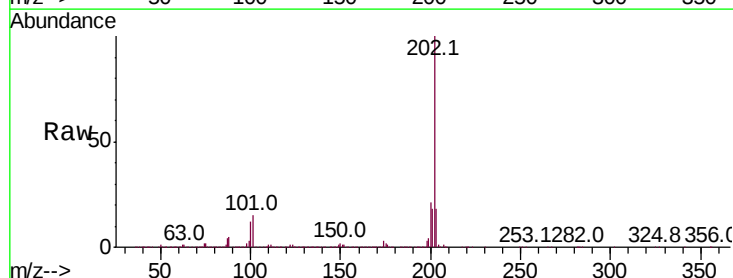
Tgt Ion:202 Resp: 2722278

Ion Ratio Lower Upper

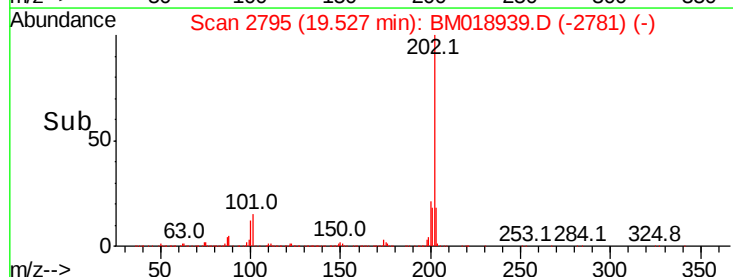
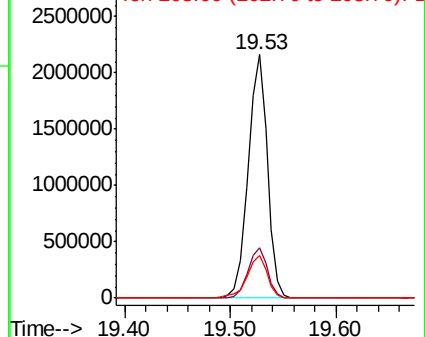
202 100

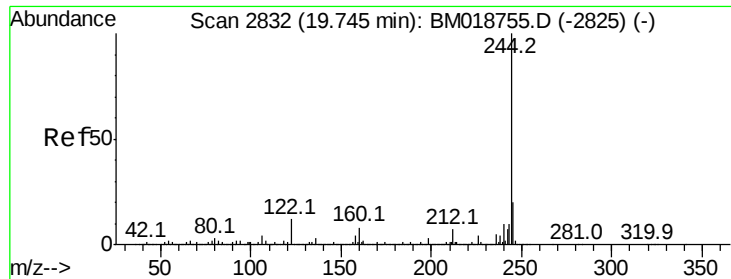
200 20.9 16.9 25.3

203 17.6 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E  
3000000  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





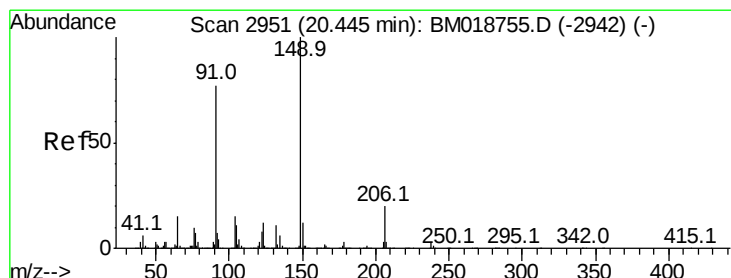
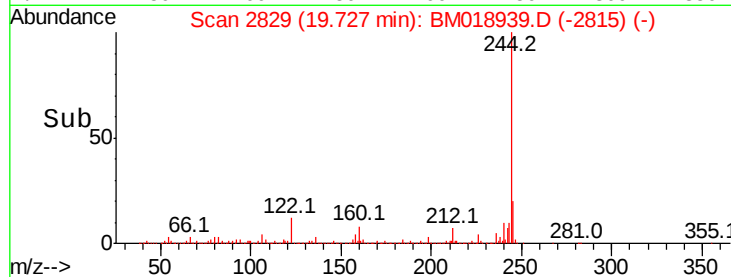
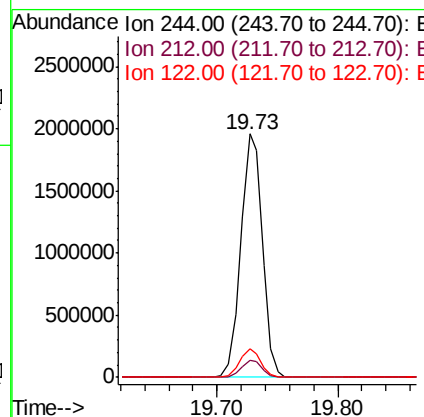
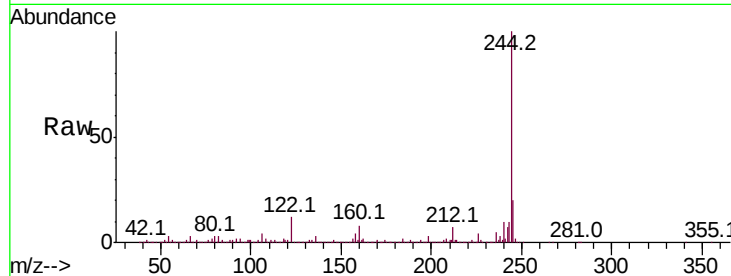
#79  
 Terphenyl-d14  
 Concen: 46.737 ng  
 RT: 19.73 min Scan# 2829  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampled :  
 WV-EMS

Tot Ion:244 Resp: 2431002  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 11.8 9.3 13.9

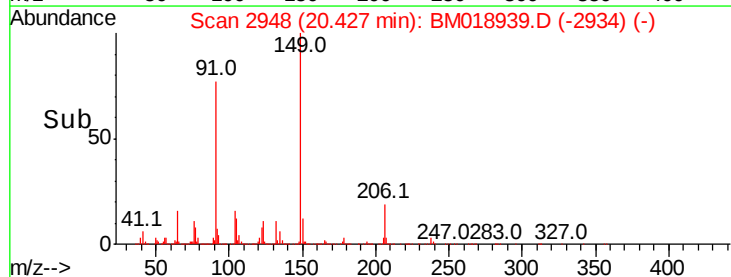
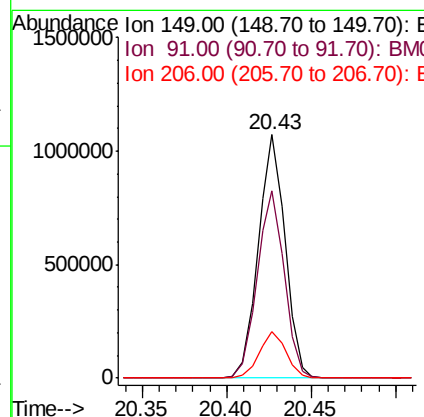
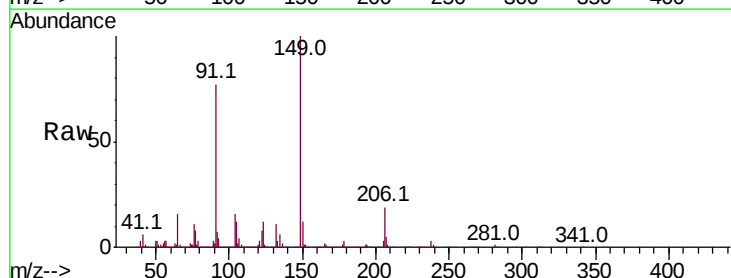
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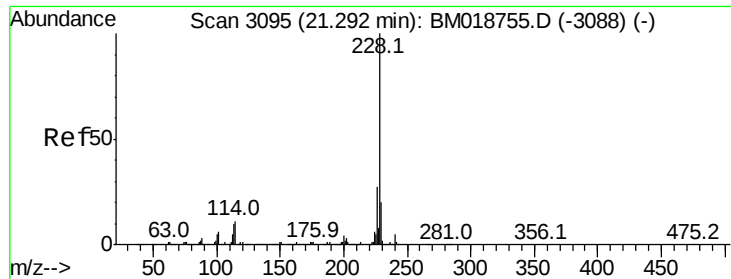
Sohil  
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#80  
 Butylbenzylphthalate  
 Concen: 41.608 ng  
 RT: 20.43 min Scan# 2948  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Tgt Ion:149 Resp: 1181741  
 Ion Ratio Lower Upper  
 149 100  
 91 76.9 61.4 92.0  
 206 19.3 15.8 23.8





#81

Benzo(a)anthracene

Concen: 43.982 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampled :

WV-EMS

Tot Ion:228 Resp: 2750998

Ion Ratio Lower Upper

228 100

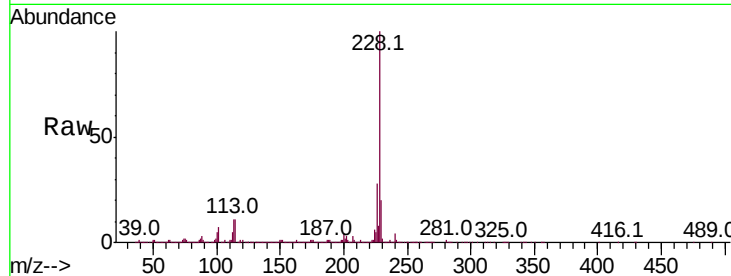
226 27.7 21.9 32.9

229 19.7 15.9 23.9

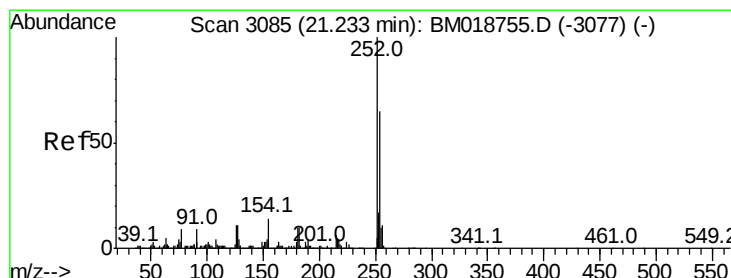
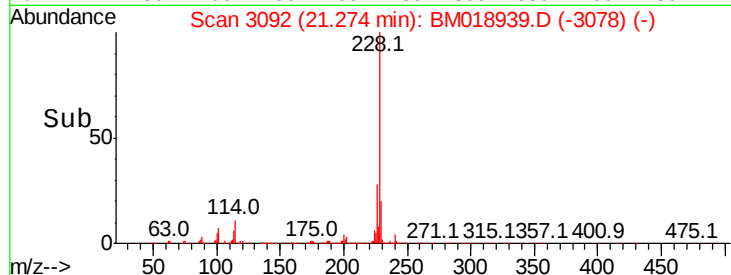
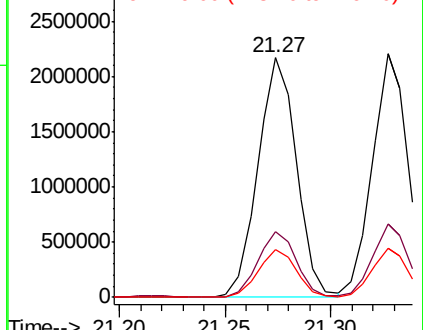
Manual Integrations  
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Abundance Ion 228.00 (227.70 to 228.70): E  
3000000  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 40.923 ng

RT: 21.22 min Scan# 3082

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

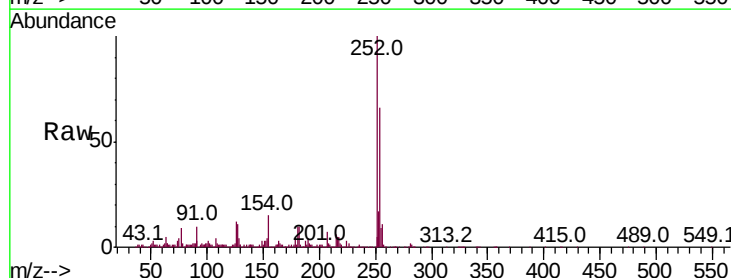
Tgt Ion:252 Resp: 1011612

Ion Ratio Lower Upper

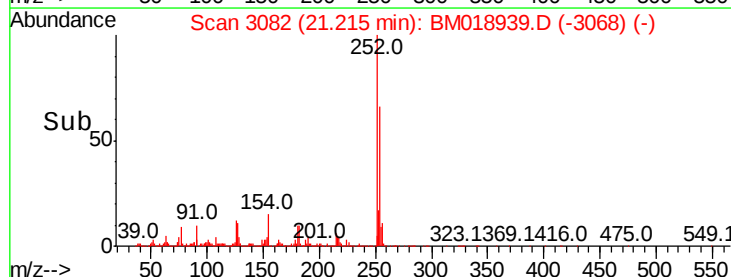
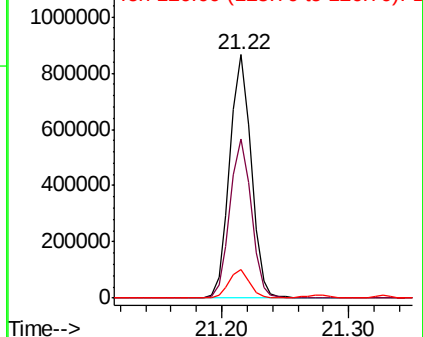
252 100

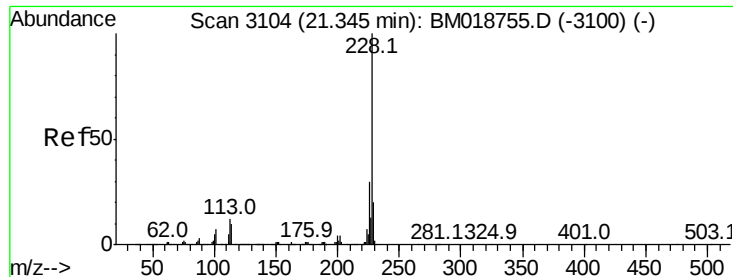
254 65.6 51.8 77.8

126 11.6 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E  
1200000  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





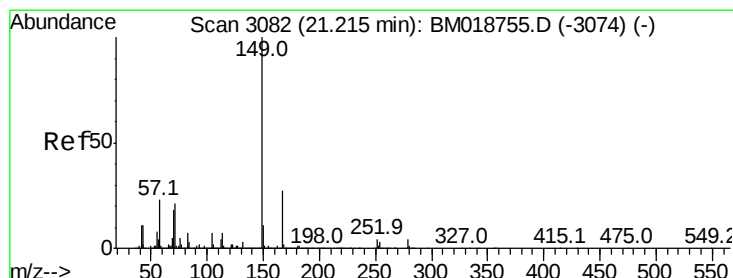
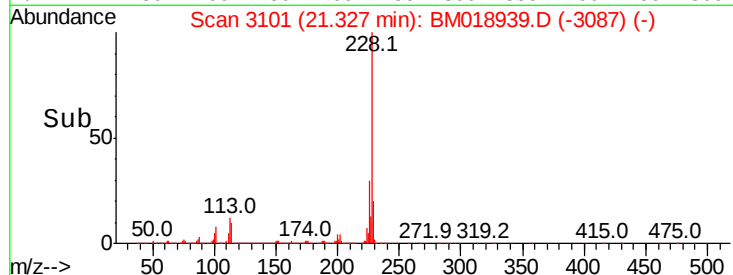
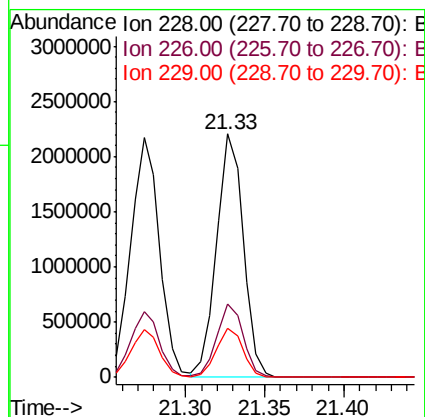
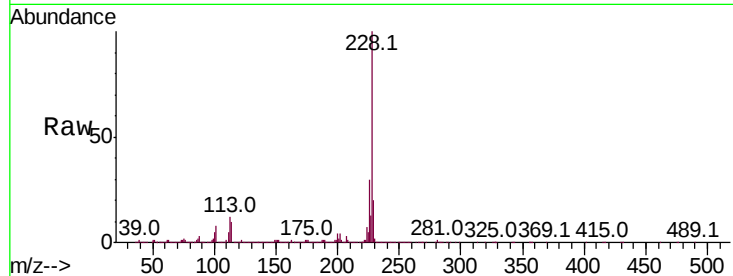
#83  
 Chrysene  
 Concen: 43.147 ng  
 RT: 21.33 min Scan# 3101  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 24.1  | 36.1  |
| 229     | 19.9  | 16.0  | 24.0  |

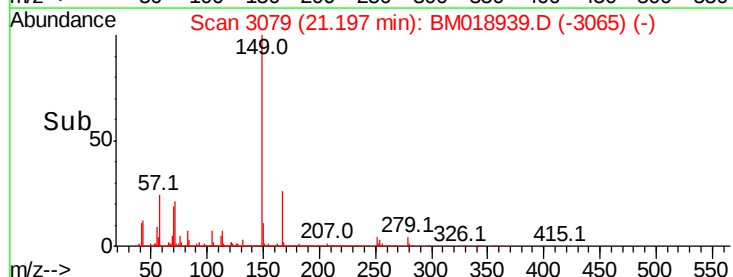
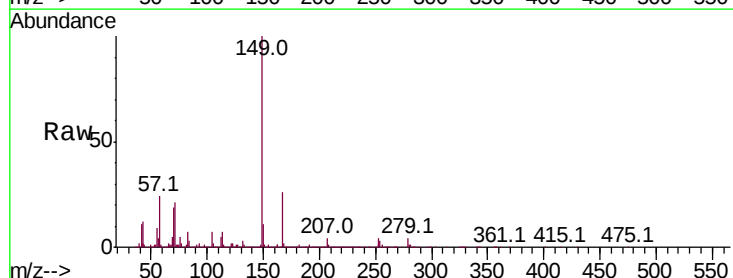
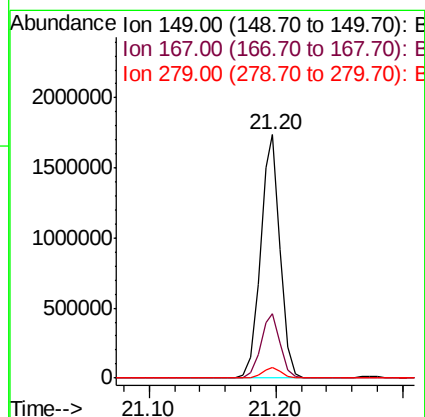
Manual Integrations  
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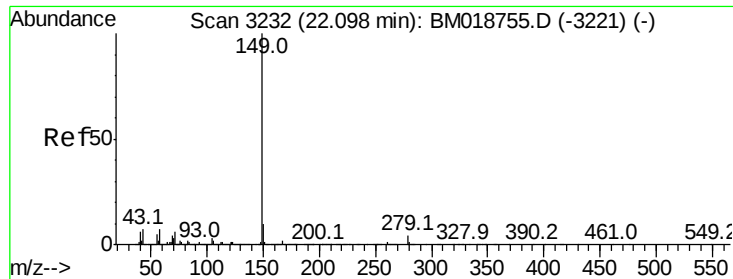
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.488 ng  
 RT: 21.20 min Scan# 3079  
 Delta R.T. -0.02 min  
 Lab File: BM018939.D  
 Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.3  | 21.8  | 32.6  |
| 279     | 4.4   | 3.6   | 5.4   |





#85

Di-n-octyl phthalate

Concen: 43.912 ng

RT: 22.07 min Scan# 3228

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

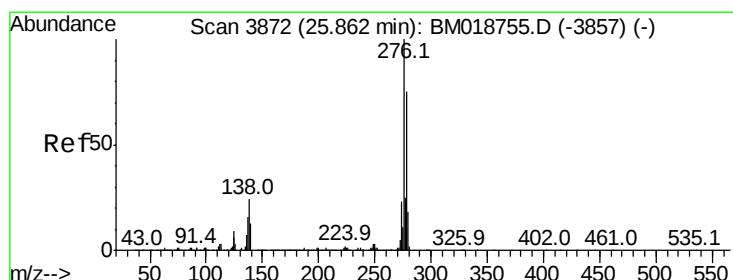
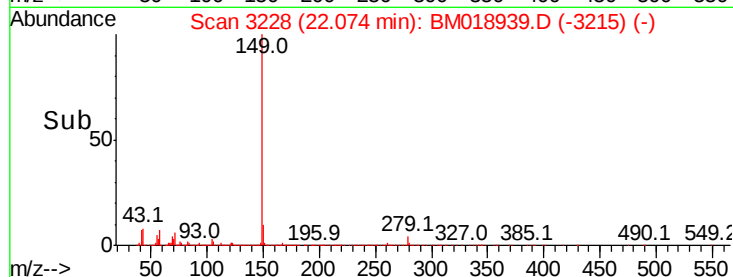
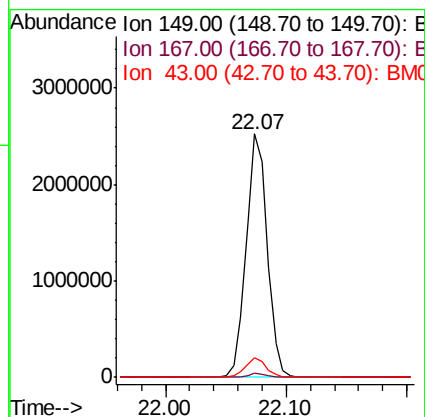
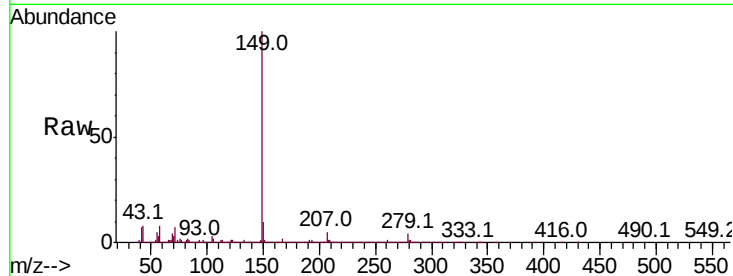
ClientSampleId :

WV-EMS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 149   | Resp: | 3067920 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.5   | 1.3   | 1.9     |
| 43        | 7.8   | 6.0   | 9.0     |

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#86

Indeno(1,2,3-cd)pyrene

Concen: 52.592 ng

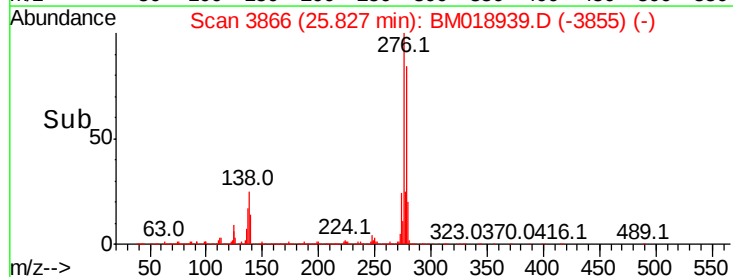
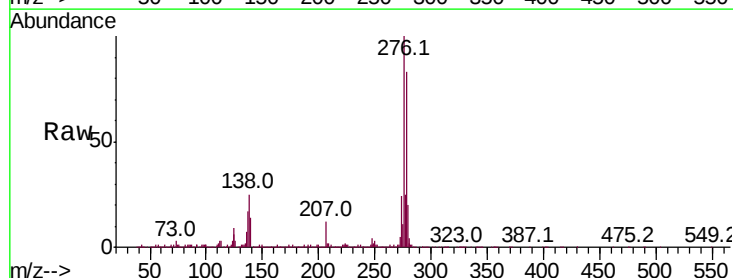
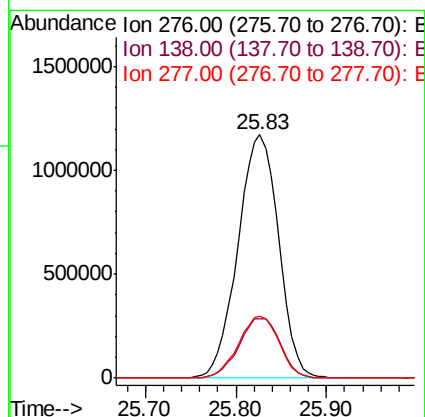
RT: 25.83 min Scan# 3866

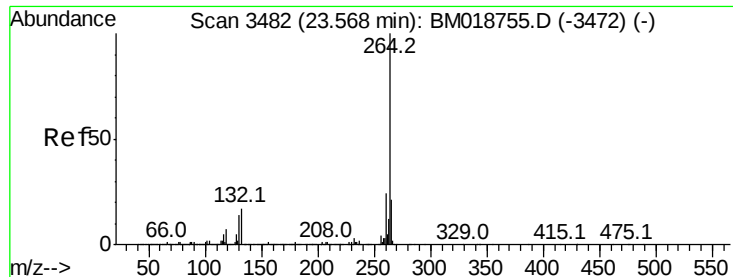
Delta R.T. -0.04 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 3640226 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 138       | 24.9  | 20.2  | 30.4    |
| 277       | 25.4  | 20.3  | 30.5    |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3477

Delta R.T. -0.03 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

Instrument :

BNA\_M

ClientSampleId :

WV-EMS

Tot Ion:264 Resp: 1186312

Ion Ratio Lower Upper

264 100

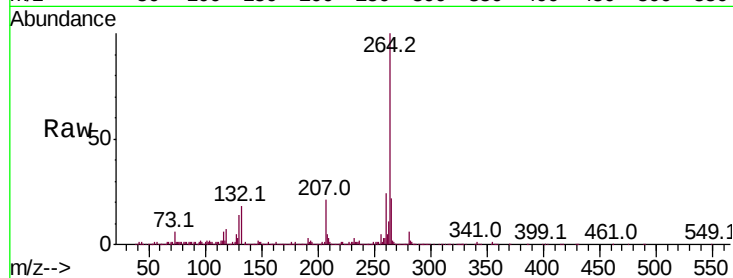
260 24.0 18.9 28.3

265 22.0 17.3 25.9

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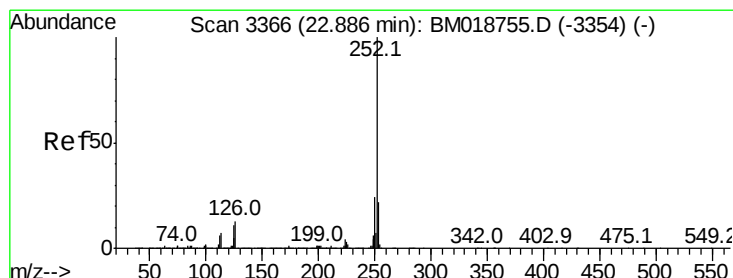
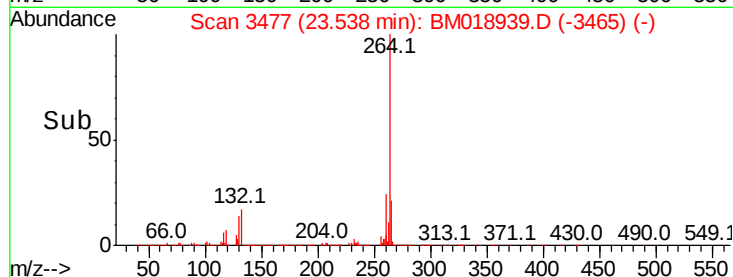
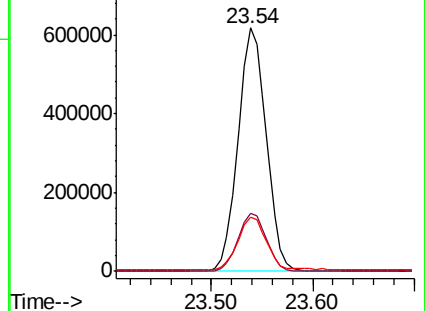
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 44.057 ng

RT: 22.86 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BM018939.D

Acq: 26 Feb 2019 21:01

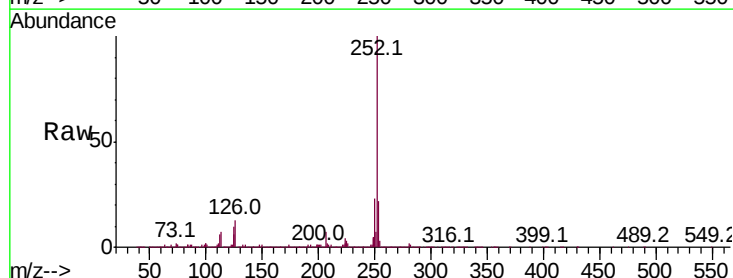
Tgt Ion:252 Resp: 2990311

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

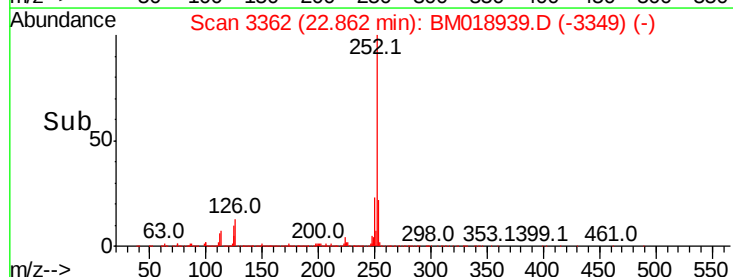
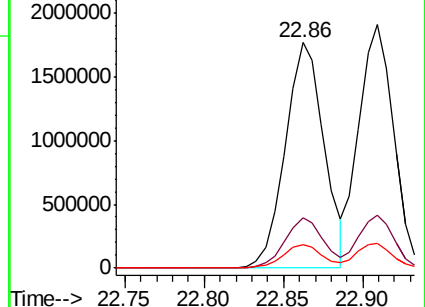
125 10.4 8.6 12.8

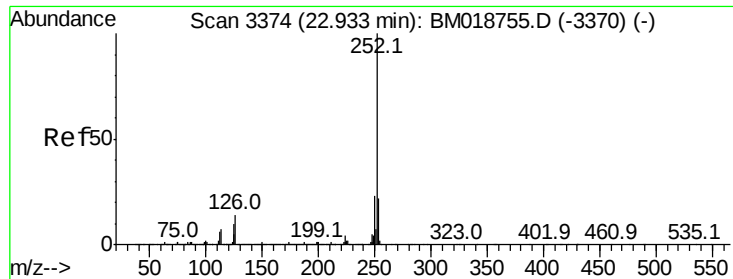


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





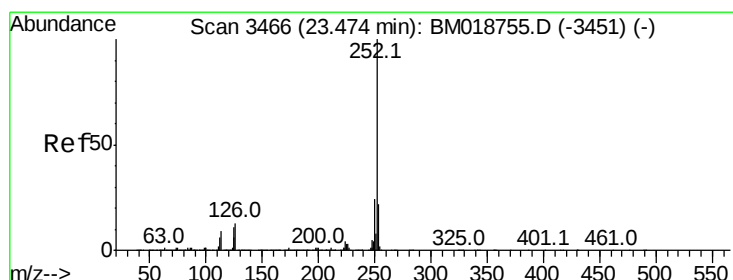
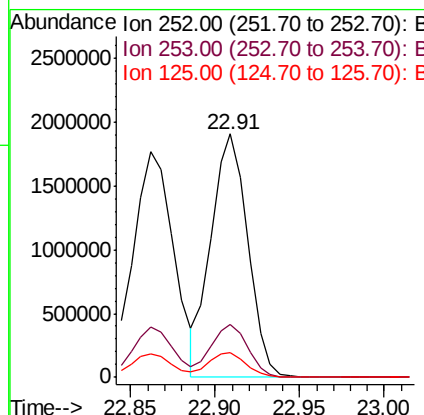
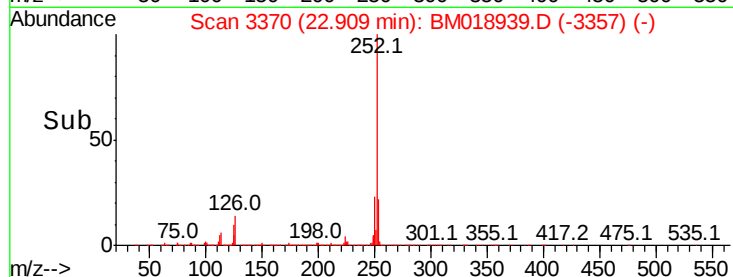
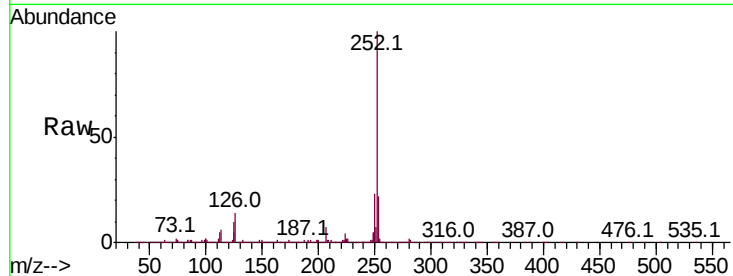
#89  
Benzo(k)fluoranthene  
Concen: 42.696 ng  
RT: 22.91 min Scan# 3370  
Delta R.T. -0.02 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.7  | 26.5  |
| 125     | 10.0  | 8.2   | 12.4  |

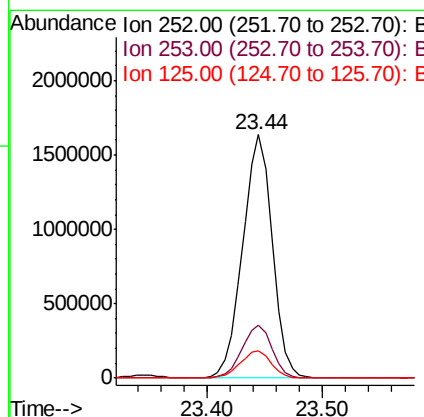
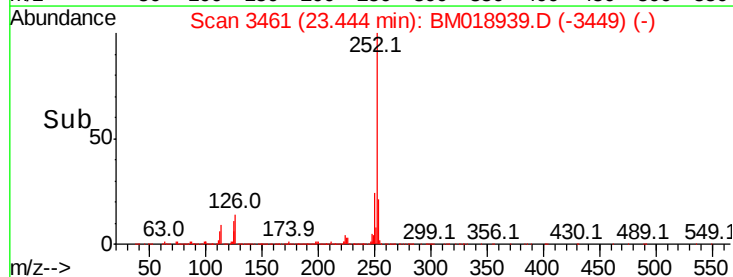
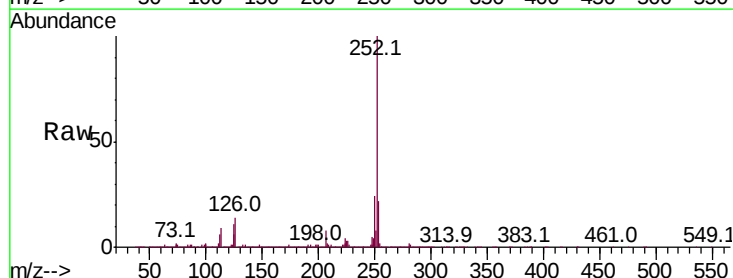
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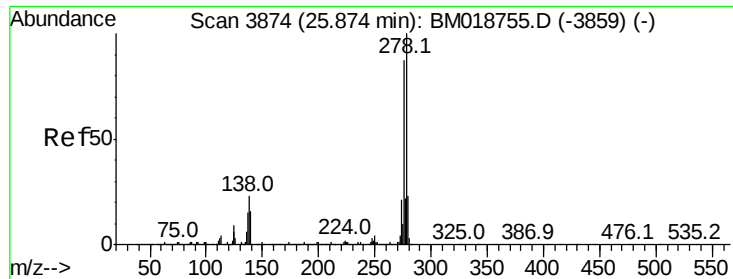
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#90  
Benzo(a)pyrene  
Concen: 45.179 ng  
RT: 23.44 min Scan# 3461  
Delta R.T. -0.03 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.4  | 26.0  |
| 125     | 11.1  | 8.6   | 13.0  |





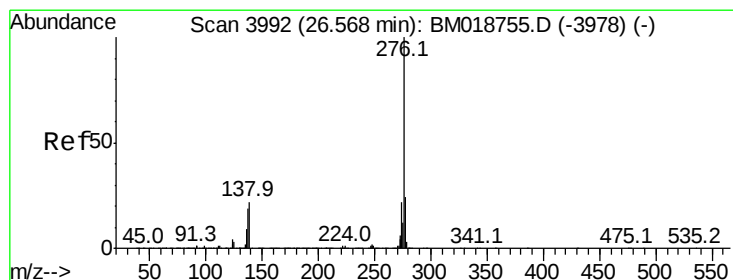
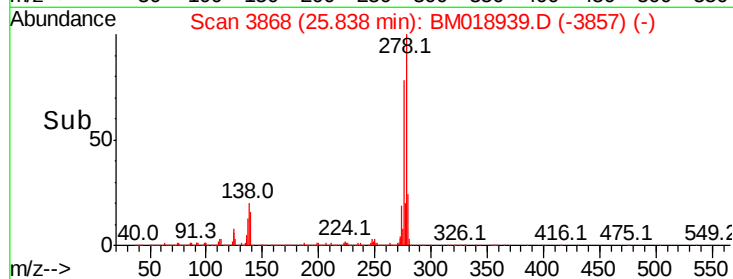
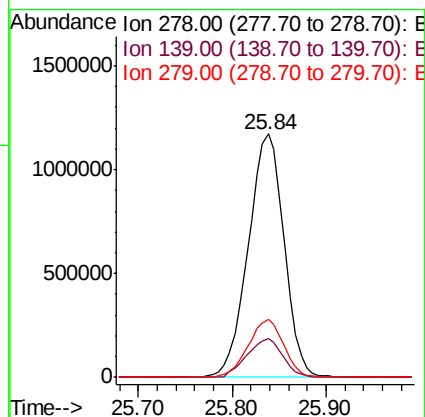
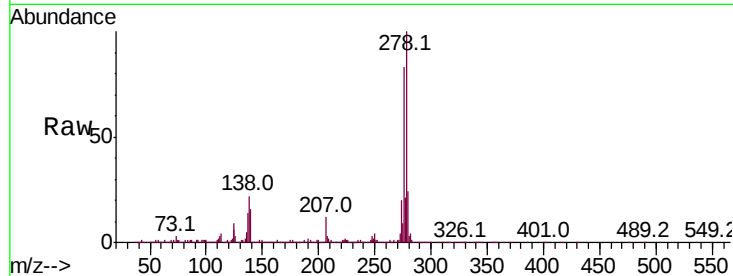
#91  
Dibenzo(a,h)anthracene  
Concen: 48.334 ng  
RT: 25.84 min Scan# 3868  
Delta R.T. -0.04 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.8  | 12.6  | 18.8  |
| 279     | 23.8  | 18.6  | 28.0  |

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#92  
Benzo(g,h,i)perylene  
Concen: 50.800 ng  
RT: 26.53 min Scan# 3985  
Delta R.T. -0.04 min  
Lab File: BM018939.D  
Acq: 26 Feb 2019 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.2  | 28.8  |
| 138     | 21.4  | 17.3  | 25.9  |

