

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022619\  
 Data File : BM018940.D  
 Acq On : 26 Feb 2019 21:37  
 Operator : JU/SJ  
 Sample : K1610-09MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMSD

Manual Integrations  
 APPROVED

Sohil  
 2/27/2019 4:20:23 PM

Quant Time: Feb 27 00:56:18 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  | 303861   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.48 | 136  | 1073535  | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.34 | 164  | 492368   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.10 | 188  | 944097   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.29 | 240  | 1094414  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.54 | 264  | 1223721  | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.29  | 112 | 2846022 | 153.46 | ng | -0.02 |
| 7) Phenol-d6             | 6.87  | 99  | 3744723 | 143.33 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.86  | 82  | 2374050 | 102.25 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.84 | 330 | 933546  | 131.53 | ng | -0.02 |
| 45) 2-Fluorobiphenyl     | 12.96 | 172 | 2242780 | 60.47  | ng | -0.02 |
| 79) Terphenyl-d14        | 19.73 | 244 | 3028689 | 57.09  | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 350579  | 43.403 | ng | 100    |
| 3) Pyridine                    | 3.64  | 79  | 1045624 | 47.458 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 343661  | 61.313 | ng | 90     |
| 6) Aniline                     | 7.04  | 93  | 997223  | 31.153 | ng | 99     |
| 8) 2-Chlorophenol              | 7.26  | 128 | 1004609 | 49.339 | ng | 98     |
| 9) Benzaldehyde                | 6.85  | 77  | 544537  | 37.511 | ng | 99     |
| 10) Phenol                     | 6.90  | 94  | 1383942 | 50.344 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.13  | 93  | 1002848 | 47.824 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.58  | 146 | 1105751 | 48.296 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146 | 1132358 | 48.582 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146 | 1065314 | 47.582 | ng | 98     |
| 15) Benzyl Alcohol             | 7.95  | 79  | 952456  | 45.881 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45  | 951875  | 46.901 | ng | 97     |
| 17) 2-Methylphenol             | 8.14  | 107 | 815441  | 46.607 | ng | 99     |
| 18) Hexachloroethane           | 8.76  | 117 | 410686  | 48.267 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.50  | 70  | 864647  | 42.744 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.47  | 107 | 1081367 | 44.759 | ng | 99     |
| 22) Acetophenone               | 8.52  | 105 | 1463581 | 49.644 | ng | # 99   |
| 24) Nitrobenzene               | 8.90  | 77  | 1258108 | 52.205 | ng | 99     |
| 25) Isophorone                 | 9.42  | 82  | 2046384 | 55.240 | ng | 99     |
| 26) 2-Nitrophenol              | 9.61  | 139 | 513997  | 53.556 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.66  | 122 | 807344  | 57.595 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.90  | 93  | 1225442 | 51.154 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.13 | 162 | 810565  | 50.360 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.35 | 180 | 944582  | 50.817 | ng | 98     |
| 31) Naphthalene                | 10.53 | 128 | 2830681 | 54.065 | ng | 99     |
| 32) Benzoic acid               | 9.77  | 122 | 113411  | 9.275  | ng | 95     |
| 33) 4-Chloroaniline            | 10.66 | 127 | 252111  | 10.772 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.79 | 225 | 529988  | 49.122 | ng | 98     |
| 35) Caprolactam                | 11.47 | 113 | 217207m | 33.067 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.79 | 107 | 843914  | 43.488 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.15 | 142 | 1905438 | 51.690 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.37 | 142 | 1776011 | 49.269 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 865574  | 54.956 | ng | 99     |

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 Sample : K1610-09MSD  
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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 WV-EMSD

Manual Integrations  
 APPROVED

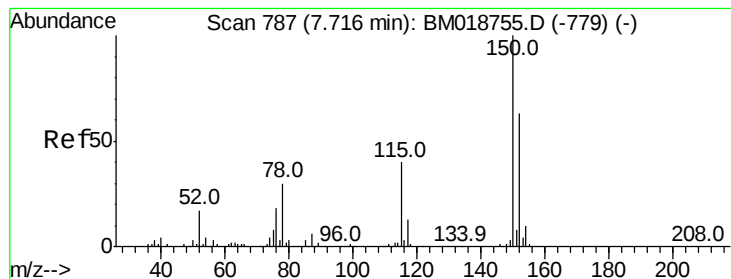
Sohil  
 2/27/2019 4:20:23 PM

Quant Time: Feb 27 00:56:18 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  | 538720   | 66.899 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.77 | 196  | 569003   | 54.571 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.85 | 196  | 588925   | 53.888 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 13.17 | 154  | 2228236  | 52.575 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.22 | 162  | 1745273  | 53.315 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.44 | 65   | 568621   | 52.301 | nq    | 98       |
| 49) Acenaphthylene             | 14.07 | 152  | 2659068  | 54.553 | nq    | 100      |
| 50) Dimethylphthalate          | 13.81 | 163  | 2202905  | 53.685 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.94 | 165  | 432412   | 48.647 | nq    | 98       |
| 52) Acenaphthene               | 14.41 | 154  | 1582995  | 52.964 | nq    | 100      |
| 53) 3-Nitroaniline             | 14.27 | 138  | 292357   | 29.109 | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 14.48 | 184  | 159454   | 31.997 | nq    | 98       |
| 55) Dibenzofuran               | 14.74 | 168  | 2420199  | 49.265 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.59 | 139  | 712366   | 88.852 | nq    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 570772   | 46.605 | nq    | 97       |
| 58) Fluorene                   | 15.40 | 166  | 1918726  | 51.053 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 474766   | 49.148 | nq    | 99       |
| 60) Diethylphthalate           | 15.17 | 149  | 1887719  | 44.597 | nq    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.39 | 204  | 926989   | 43.992 | nq    | 98       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 394032   | 40.019 | nq    | 99       |
| 63) Azobenzene                 | 15.69 | 77   | 2088980  | 46.028 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198  | 181865   | 27.436 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.62 | 169  | 1576435  | 52.851 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.29 | 248  | 521397   | 49.339 | nq    | 98       |
| 68) Hexachlorobenzene          | 16.39 | 284  | 608951   | 49.576 | nq    | 99       |
| 69) Atrazine                   | 16.57 | 200  | 445757   | 46.355 | nq    | 99       |
| 70) Pentachlorophenol          | 16.74 | 266  | 769507   | 97.297 | nq    | 99       |
| 71) Phenanthrene               | 17.14 | 178  | 2866117  | 56.489 | nq    | 100      |
| 72) Anthracene                 | 17.23 | 178  | 2826586  | 57.237 | nq    | 100      |
| 73) Carbazole                  | 17.51 | 167  | 2537626  | 49.184 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.06 | 149  | 2925521  | 49.303 | nq    | 100      |
| 75) Fluoranthene               | 19.16 | 202  | 3313483  | 56.536 | nq    | 99       |
| 77) Benzidine                  | 19.36 | 184  | 2121007  | 86.053 | nq    | 100      |
| 78) Pyrene                     | 19.53 | 202  | 3432470  | 54.002 | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 1487091  | 51.336 | nq    | 97       |
| 81) Benzo(a)anthracene         | 21.28 | 228  | 3491525  | 54.730 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 1218253  | 48.319 | nq    | 99       |
| 83) Chrysene                   | 21.33 | 228  | 3311223  | 54.152 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 2361680  | 55.703 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.08 | 149  | 3913098  | 54.914 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.83 | 276  | 4675445  | 66.227 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 22.87 | 252  | 3898307  | 55.679 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.91 | 252  | 3590726  | 51.515 | nq    | 100      |
| 90) Benzo(a)pyrene             | 23.45 | 252  | 3719832  | 56.084 | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.85 | 278  | 3940681  | 59.969 | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 26.54 | 276  | 3831247  | 62.627 | nq    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.69 min Scan# 783

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

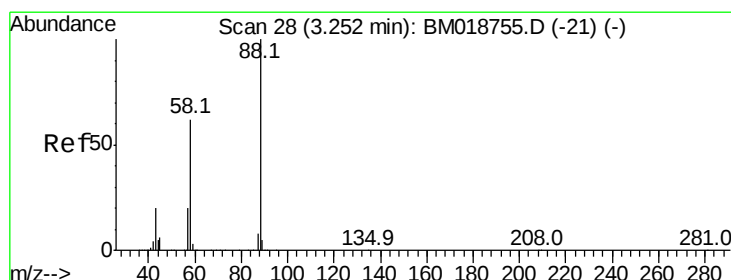
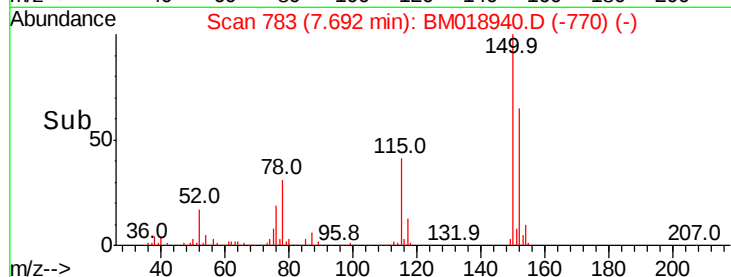
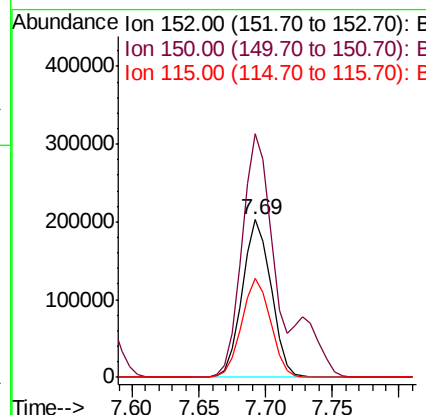
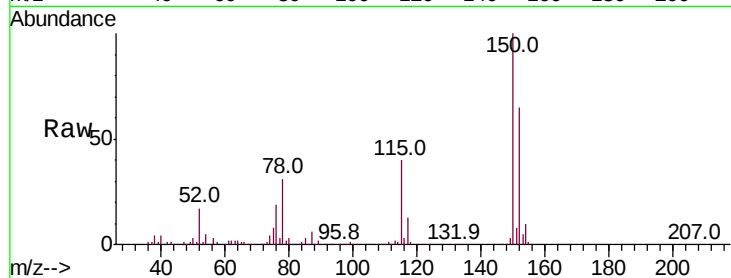
ClientSampleId :

WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 303861 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 154.6 | 127.3 | 190.9  |
| 115       | 62.6  | 50.8  | 76.2   |

Manual Integrations  
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#2

1,4-Dioxane

Concen: 43.403 ng

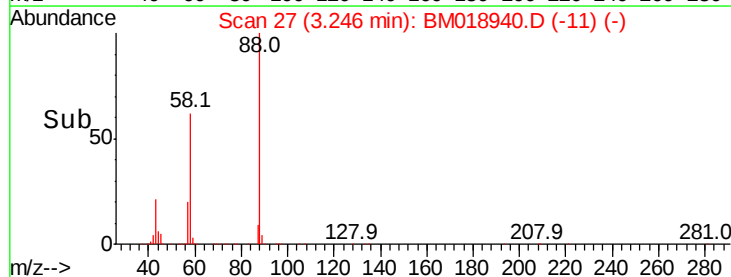
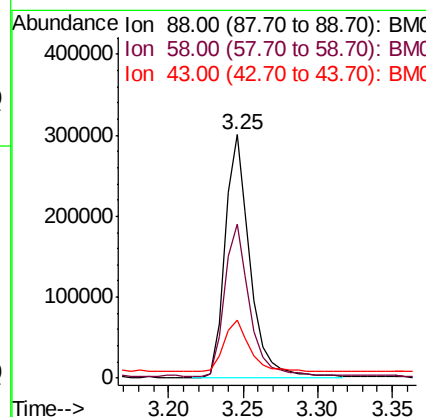
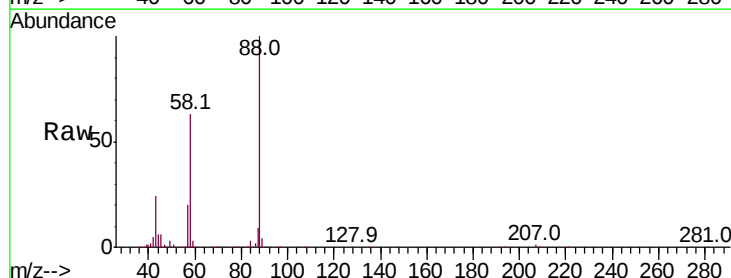
RT: 3.25 min Scan# 27

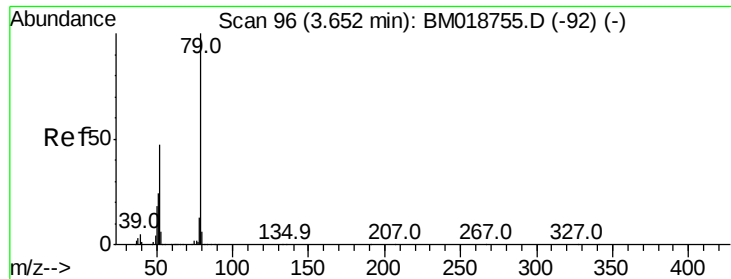
Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 350579 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 62.3  | 49.8  | 74.6   |
| 43        | 21.4  | 16.7  | 25.1   |





#3

Pvridine

Concen: 47.458 ng

RT: 3.64 min Scan# 94

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion: 79 Resp: 1045624

Ion Ratio Lower Upper

79 100

52 47.2 37.6 56.4

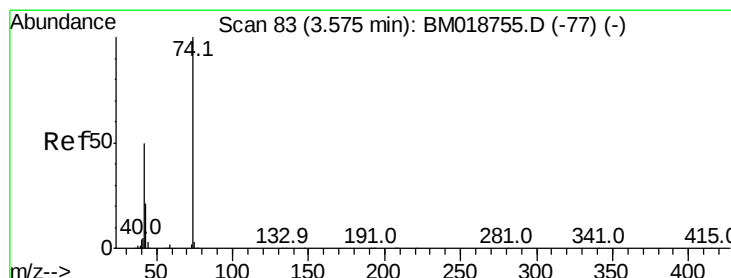
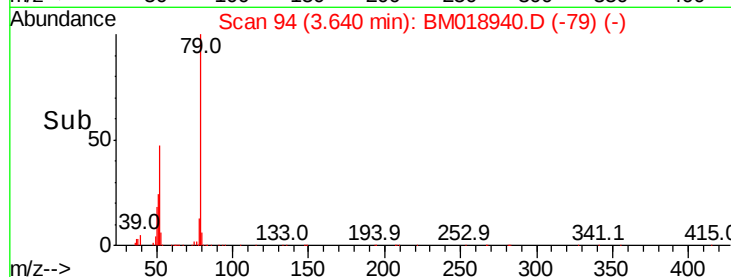
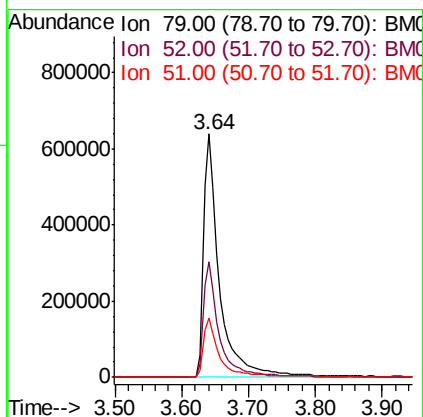
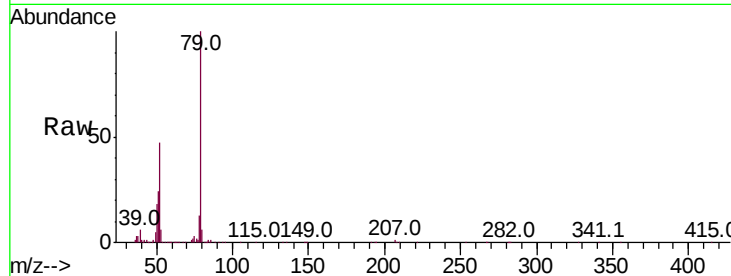
51 24.5 19.7 29.5

Manual Integrations

APPROVED

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#4

n-Nitrosodimethylamine

Concen: 61.313 ng

RT: 3.56 min Scan# 80

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

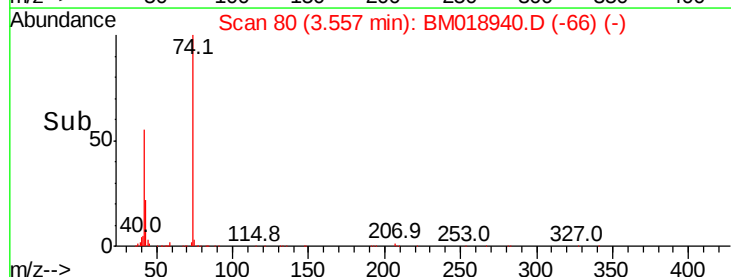
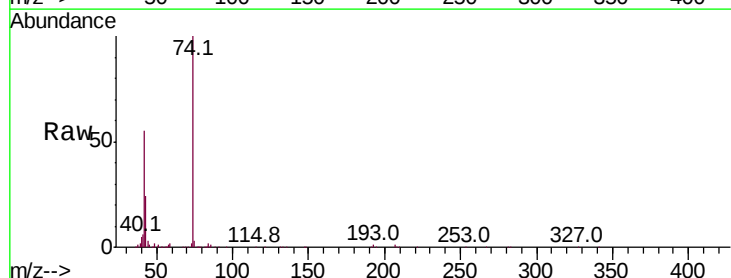
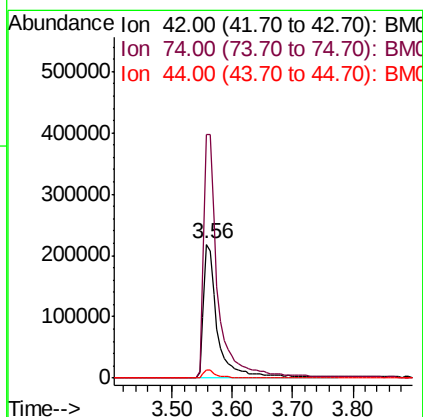
Tgt Ion: 42 Resp: 343661

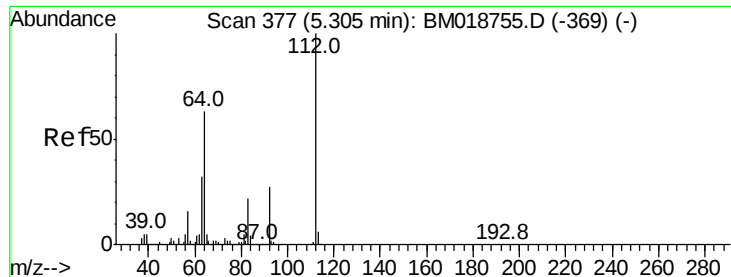
Ion Ratio Lower Upper

42 100

74 181.7 158.1 237.1

44 6.3 4.9 7.3





#5

2-Fluorophenol

Concen: 153.463 ng

RT: 5.29 min Scan# 374

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampled :

WV-EMSD

Tot Ion:112 Resp: 2846022

Ion Ratio Lower Upper

112 100

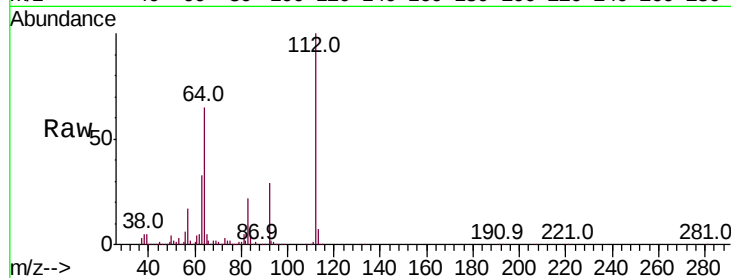
64 65.4 50.6 75.8

63 33.1 25.7 38.5

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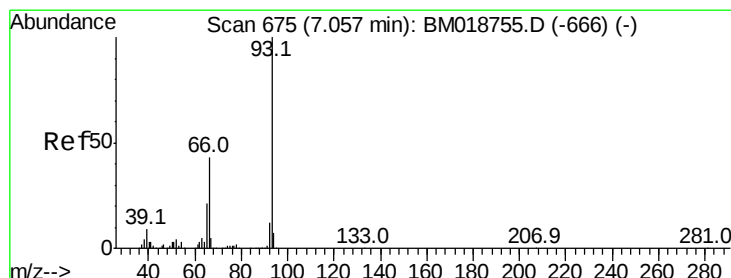
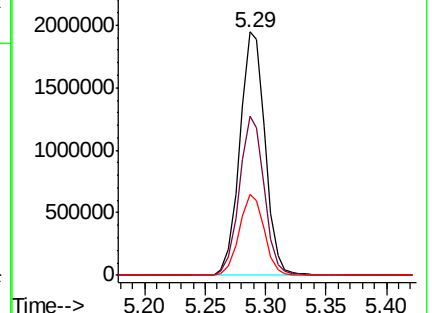
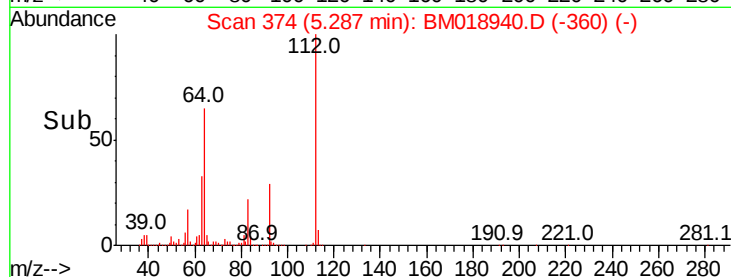
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 31.153 ng

RT: 7.04 min Scan# 672

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

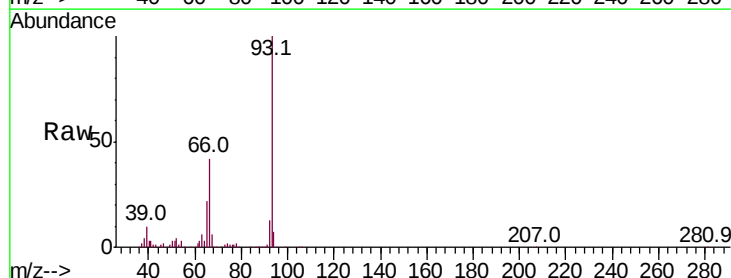
Tgt Ion: 93 Resp: 997223

Ion Ratio Lower Upper

93 100

66 42.1 34.1 51.1

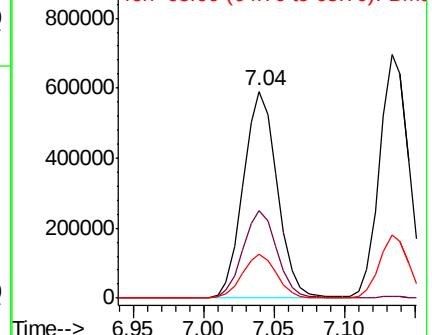
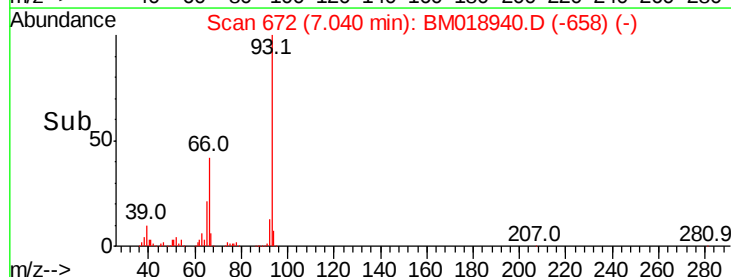
65 21.5 16.6 24.8

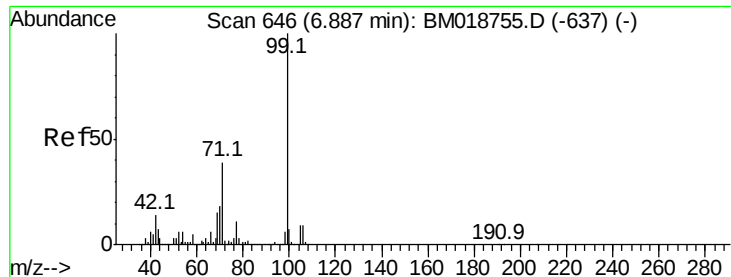


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 143.334 ng

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion: 99 Resp: 3744723

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.6

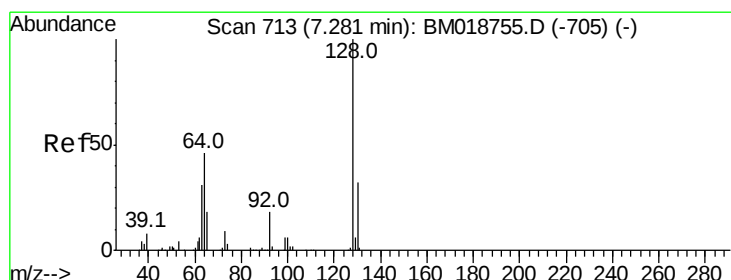
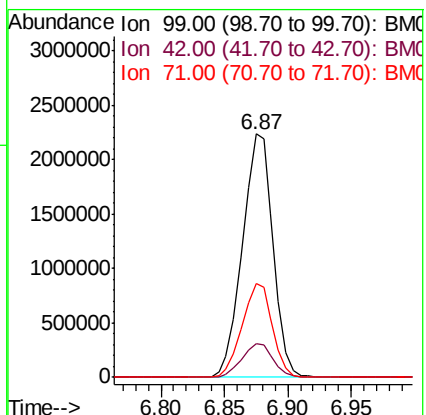
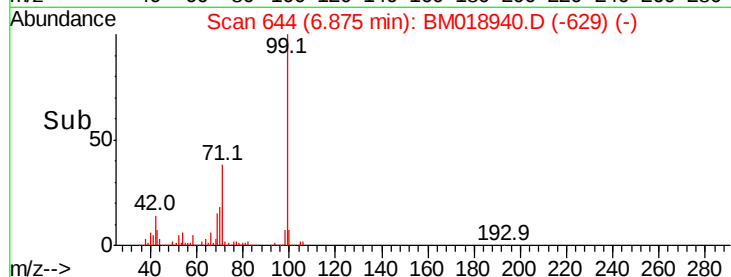
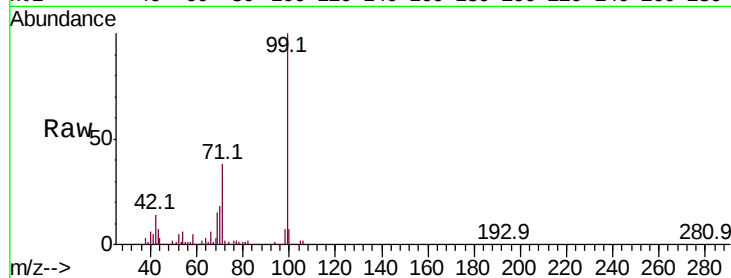
71 38.4 31.3 46.9

Manual Integrations

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#8

2-Chlorophenol

Concen: 49.339 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

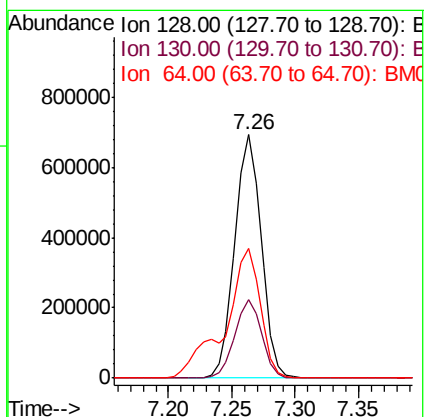
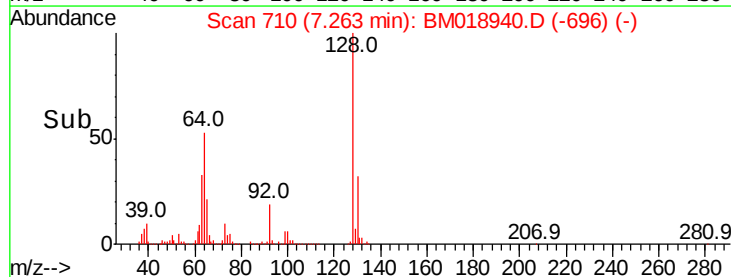
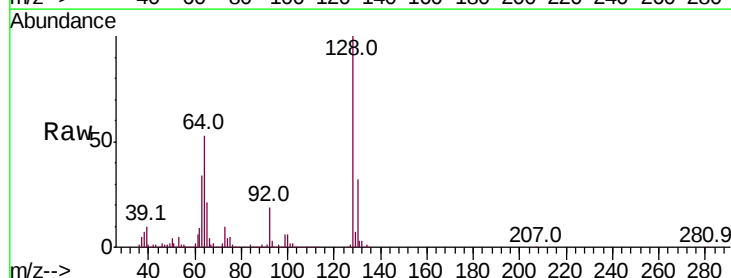
Tgt Ion: 128 Resp: 1004609

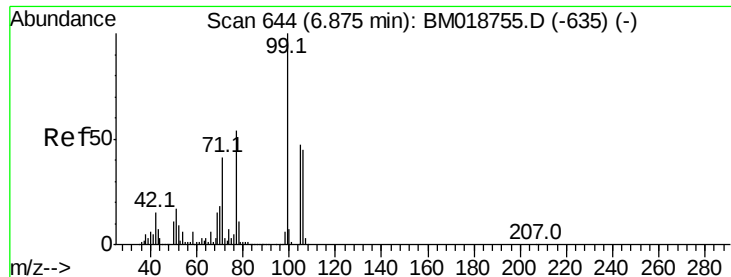
Ion Ratio Lower Upper

128 100

130 32.3 11.7 51.7

64 53.3 31.0 71.0





#9

Benzaldehyde

Concen: 37.511 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

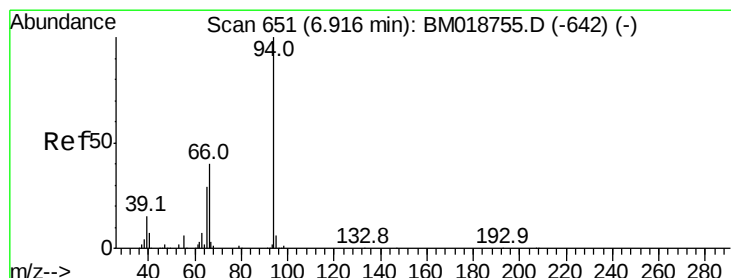
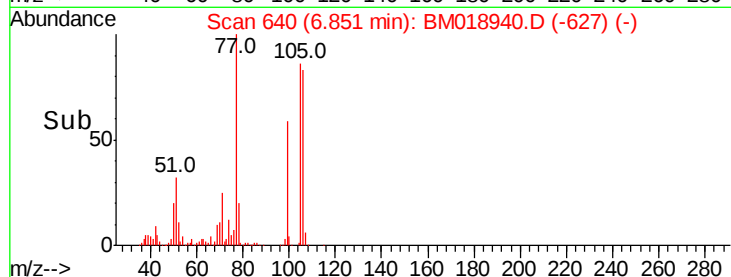
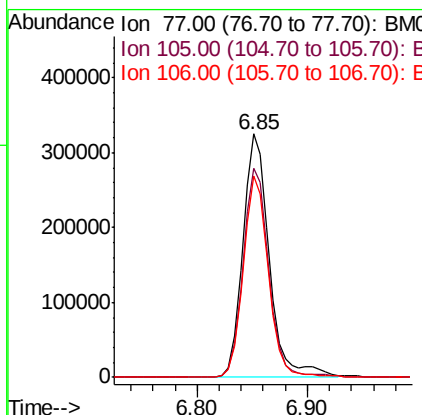
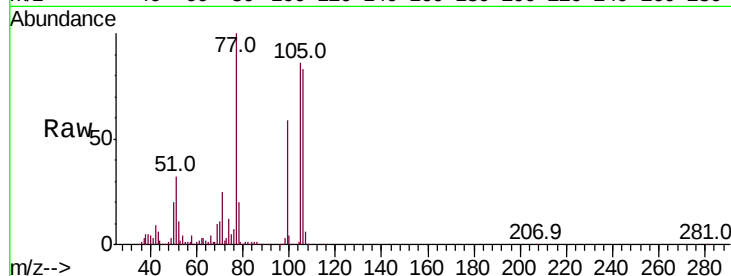
ClientSampleId :

WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 85.9  | 67.3  | 107.3 |
| 106     | 82.6  | 62.9  | 102.9 |

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#10

Phenol

Concen: 50.344 ng

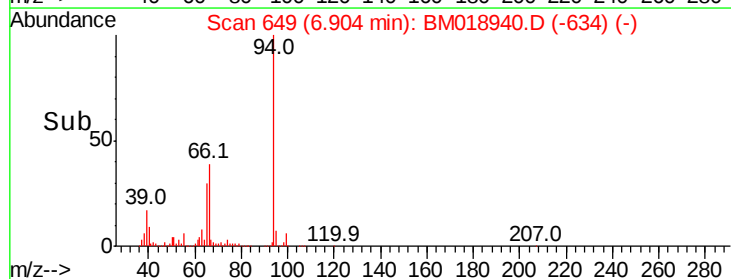
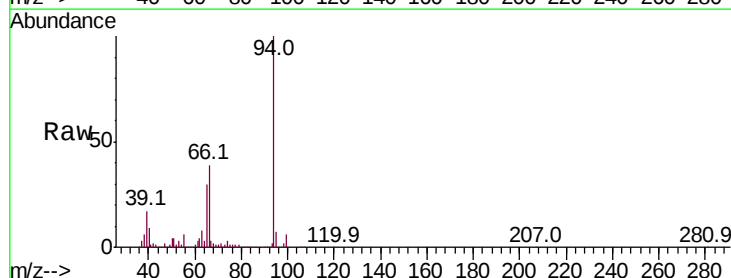
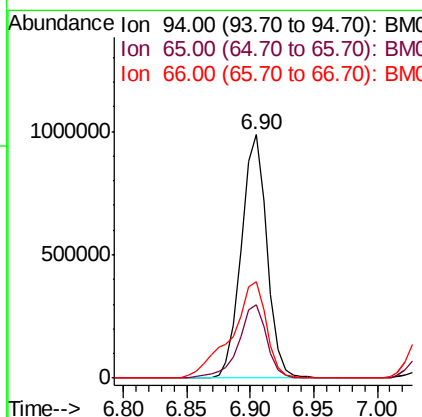
RT: 6.90 min Scan# 649

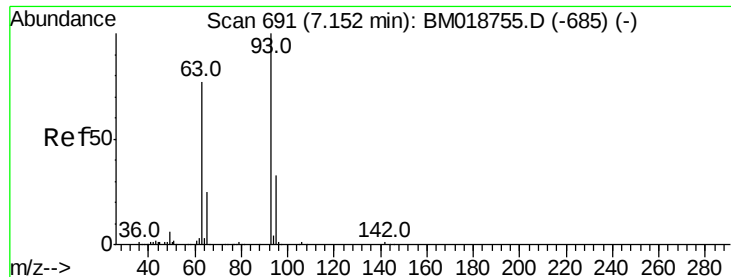
Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.0  | 9.6   | 49.6  |
| 66      | 39.4  | 20.4  | 60.4  |





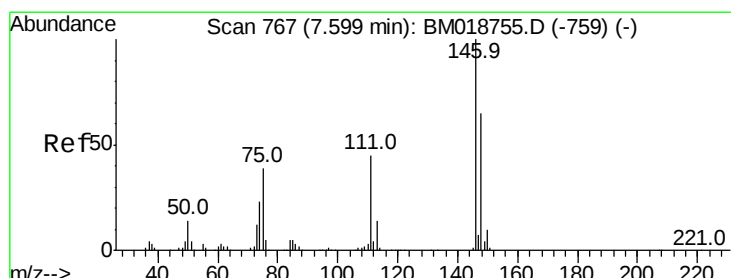
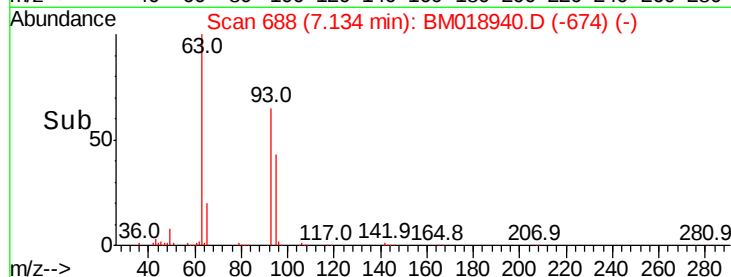
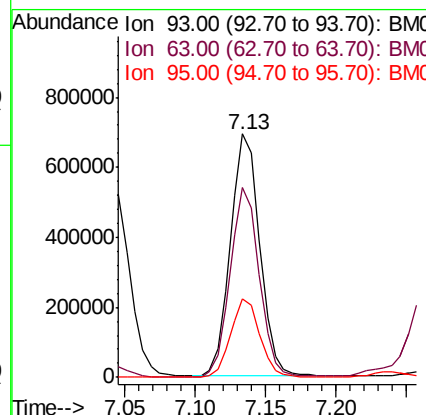
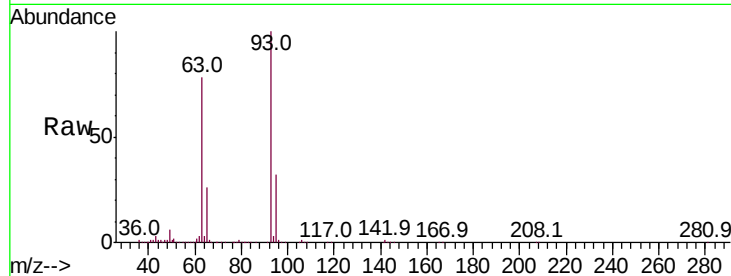
#11  
bis(2-Chloroethyl)ether  
Concen: 47.824 ng  
RT: 7.13 min Scan# 688  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

Tot Ion: 93 Resp: 1002848  
Ion Ratio Lower Upper  
93 100  
63 78.1 57.0 97.0  
95 32.4 12.4 52.4

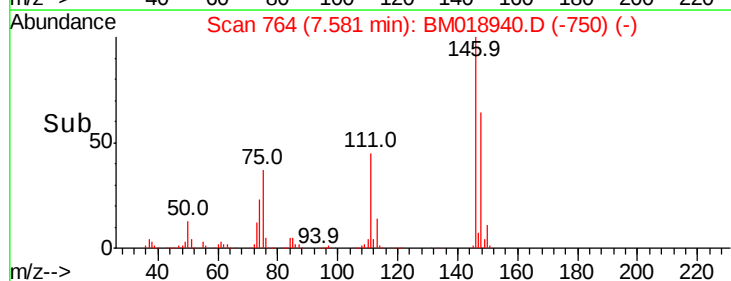
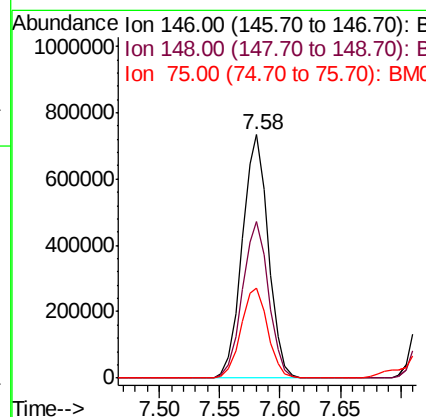
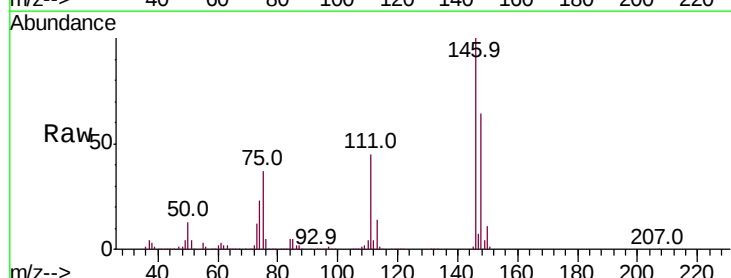
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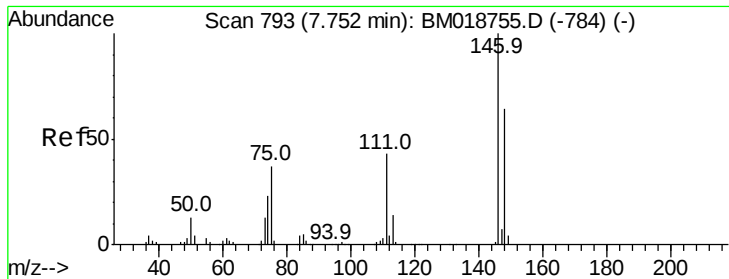
Sohil  
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#12  
1,3-Dichlorobenzene  
Concen: 48.296 ng  
RT: 7.58 min Scan# 764  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Tgt Ion: 146 Resp: 1105751  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.7 77.5  
75 36.9 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 48.582 ng

RT: 7.73 min Scan# 789

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampled :

WV-EMSD

Tot Ion:146 Resp: 1132358

Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.2

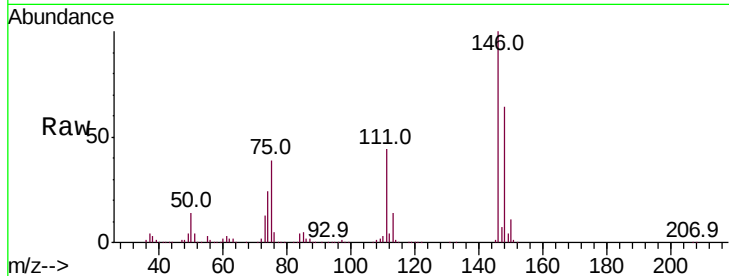
111 43.8 34.6 52.0

Manual Integrations

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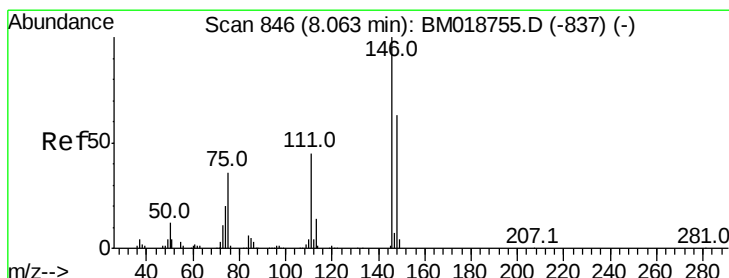
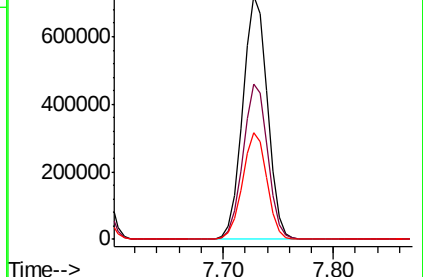
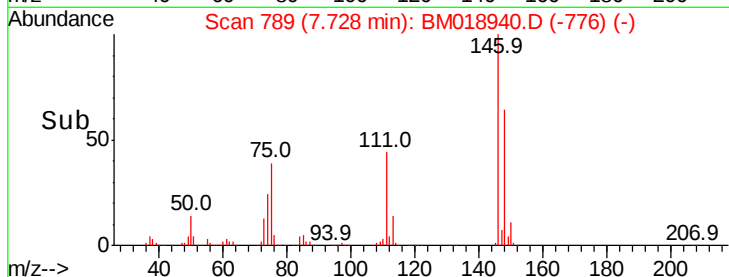
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Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 47.582 ng

RT: 8.04 min Scan# 842

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

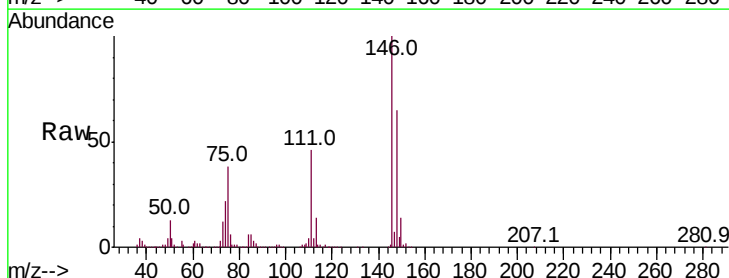
Tgt Ion:146 Resp: 1065314

Ion Ratio Lower Upper

146 100

148 65.4 50.7 76.1

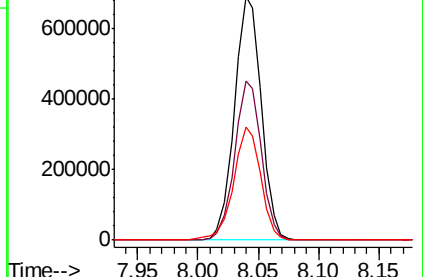
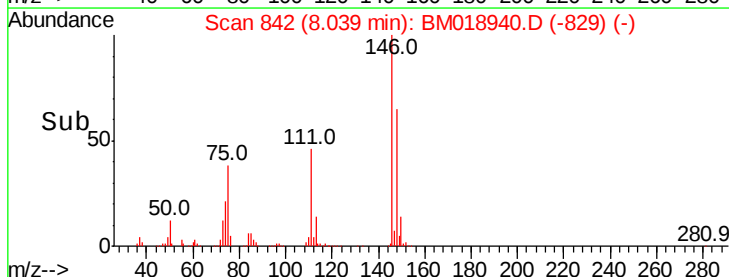
111 46.2 35.9 53.9

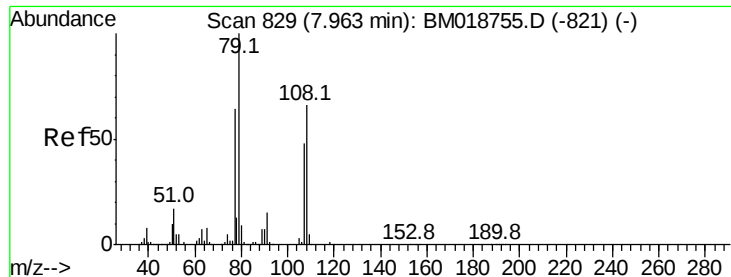


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.881 ng

RT: 7.95 min Scan# 826

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

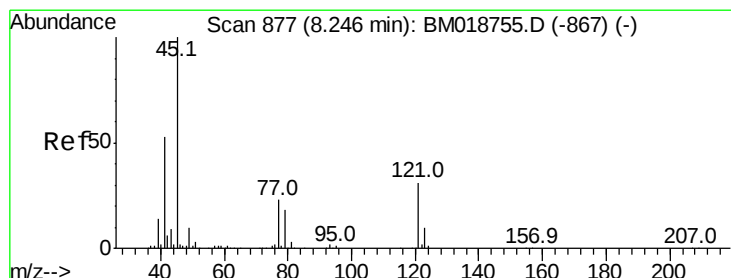
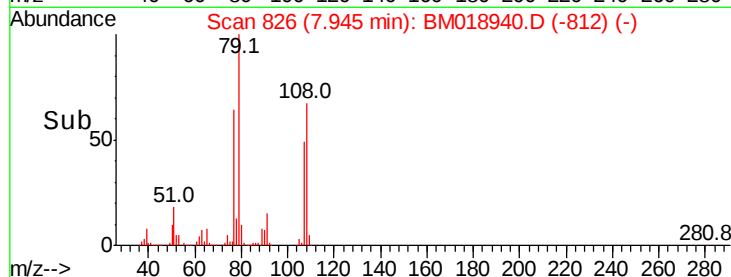
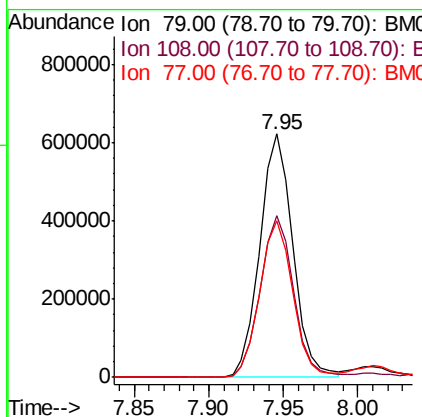
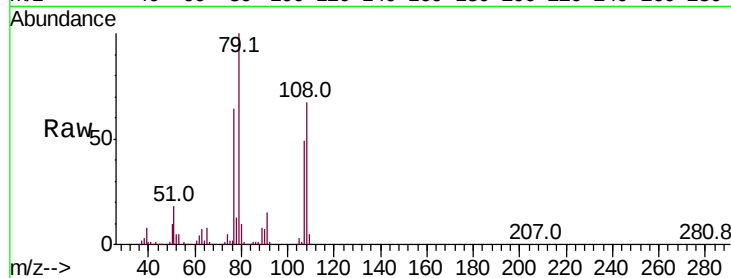
ClientSampleId :

WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 952456 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 66.6  | 52.7  | 79.1   |
| 77        | 64.5  | 51.0  | 76.4   |

Manual Integrations  
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.901 ng

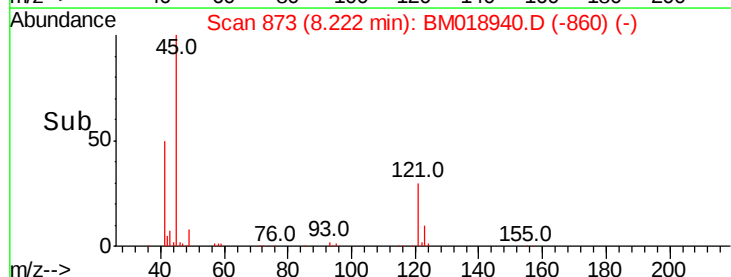
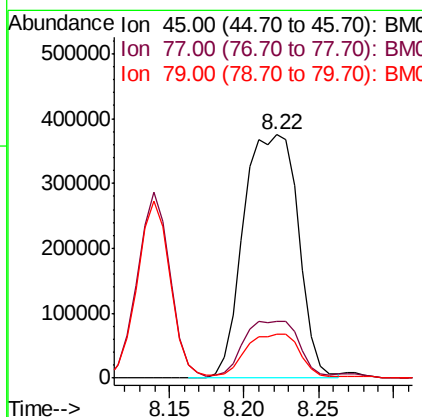
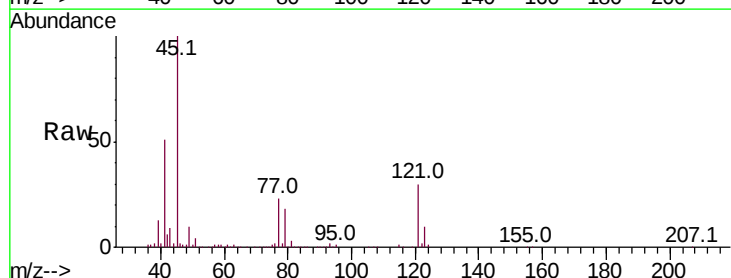
RT: 8.22 min Scan# 873

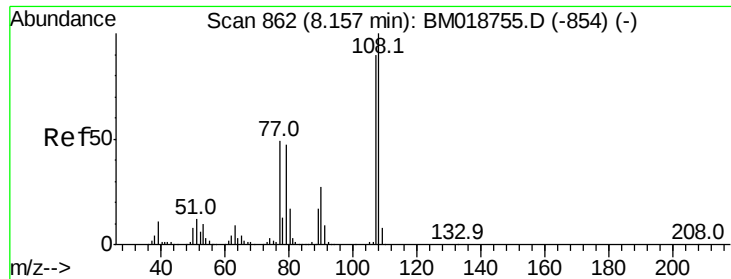
Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 951875 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 23.5  | 5.0   | 45.0   |
| 79        | 18.2  | 0.0   | 39.3   |





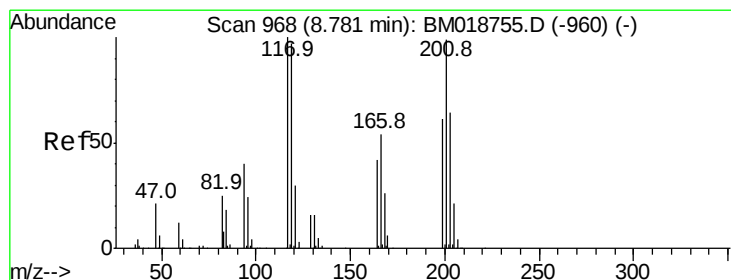
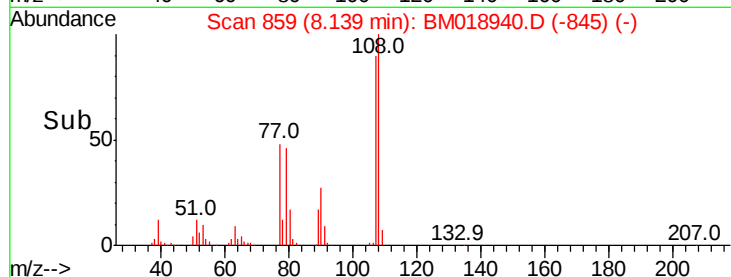
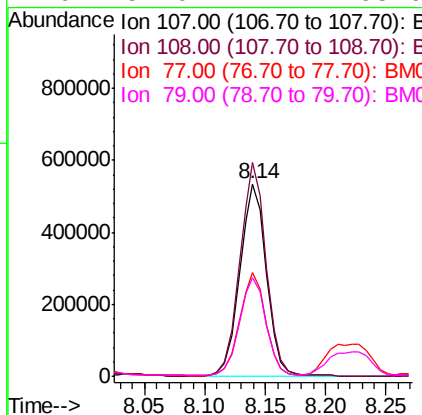
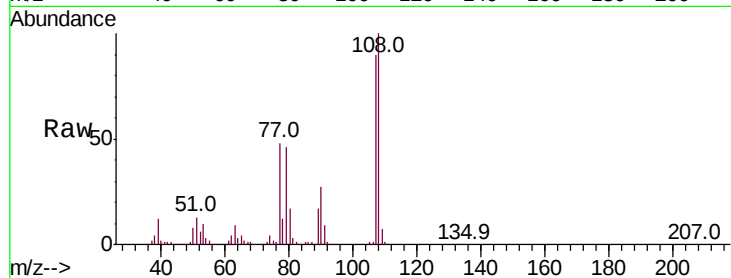
#17  
2-Methylphenol  
Concen: 46.607 ng  
RT: 8.14 min Scan# 859  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 815441 |       |       |
| 108     | 111.1 | 88.8   | 133.2 |       |
| 77      | 53.8  | 44.0   | 66.0  |       |
| 79      | 51.0  | 42.4   | 63.6  |       |

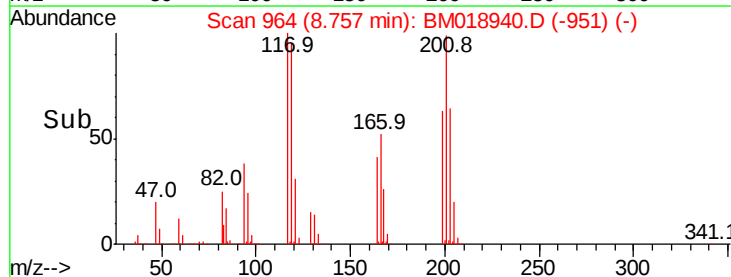
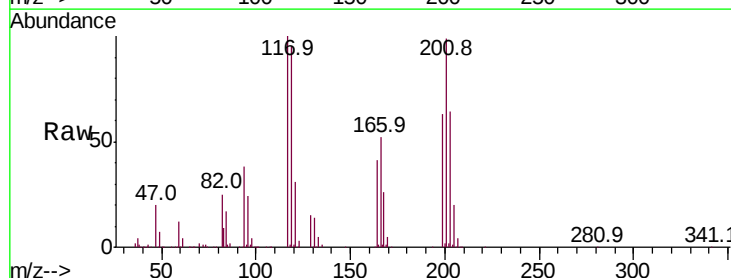
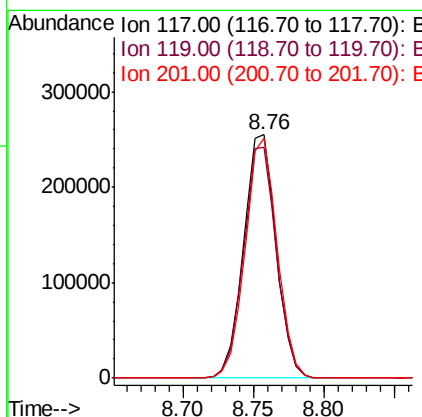
Manual Integrations  
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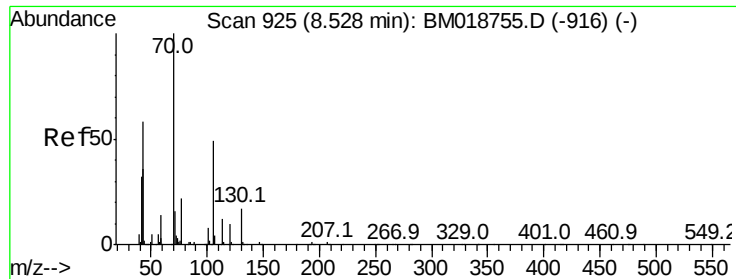
Sohil  
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#18  
Hexachloroethane  
Concen: 48.267 ng  
RT: 8.76 min Scan# 964  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 410686 |       |       |
| 119     | 94.7  | 77.9   | 116.9 |       |
| 201     | 98.5  | 79.2   | 118.8 |       |





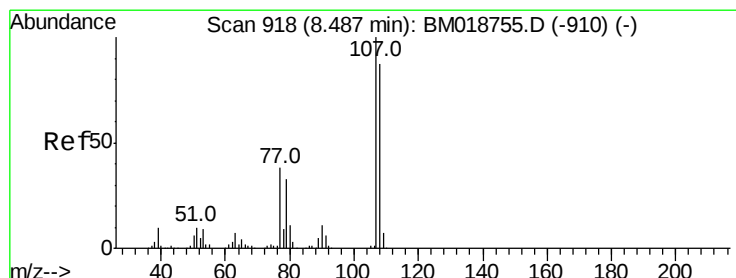
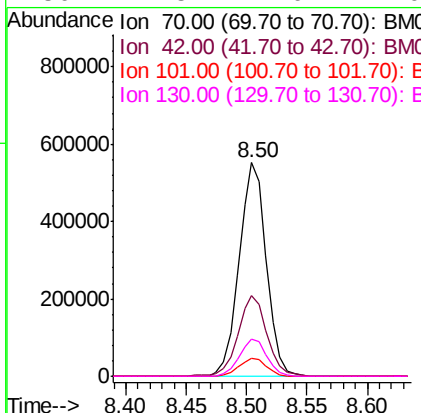
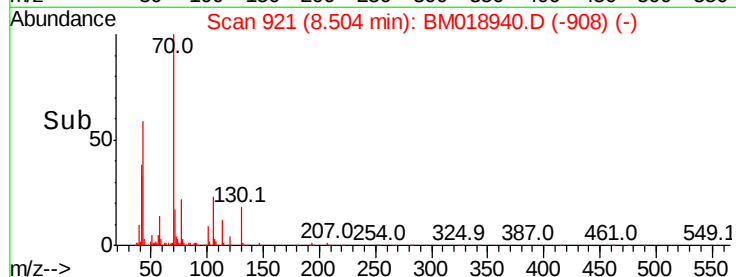
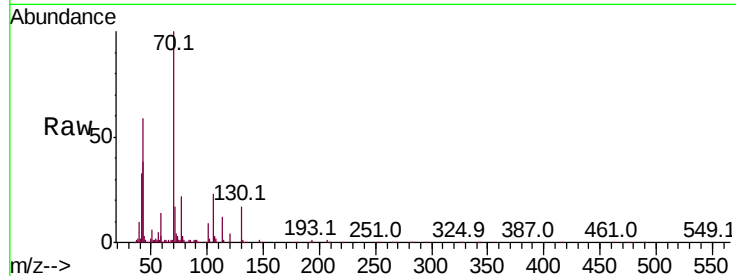
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.744 ng  
RT: 8.50 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 37.8 | 29.4  | 44.0 |       |       |
| 101     | 8.5  | 6.7   | 10.1 |       |       |
| 130     | 17.5 | 14.0  | 21.0 |       |       |

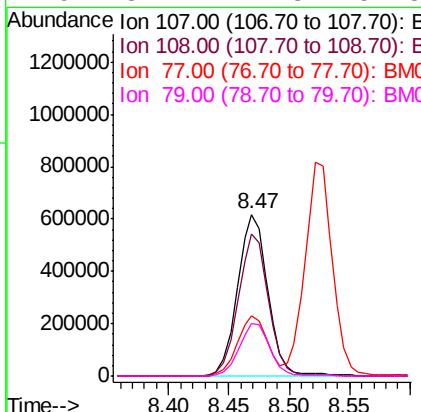
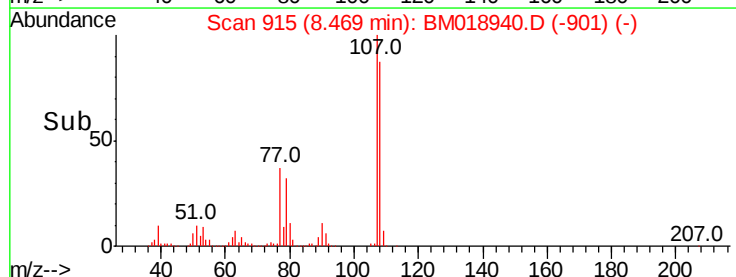
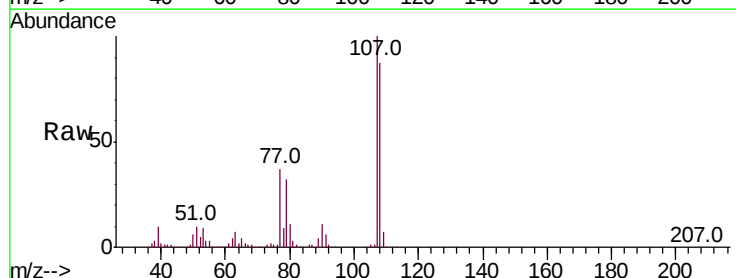
Manual Integrations  
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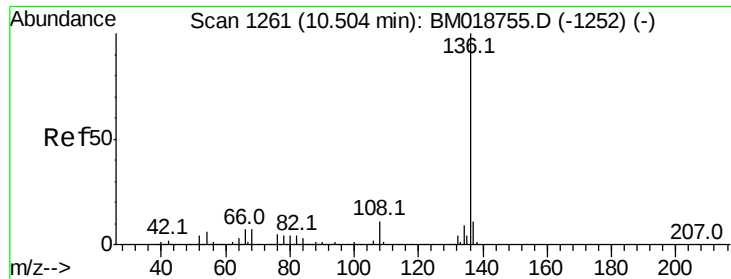
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#20  
3+4-Methylphenols  
Concen: 44.759 ng  
RT: 8.47 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 108     | 87.5 | 67.3  | 107.3 |       |       |
| 77      | 37.3 | 18.0  | 58.0  |       |       |
| 79      | 32.2 | 12.8  | 52.8  |       |       |





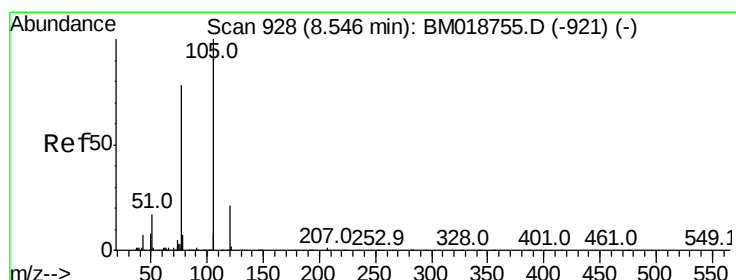
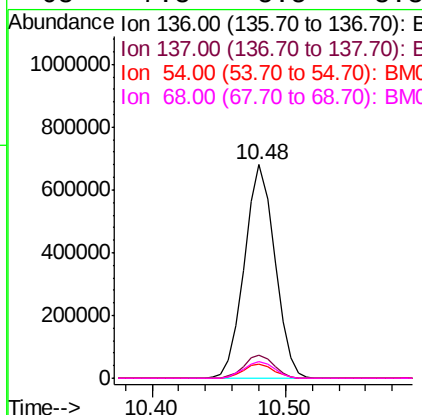
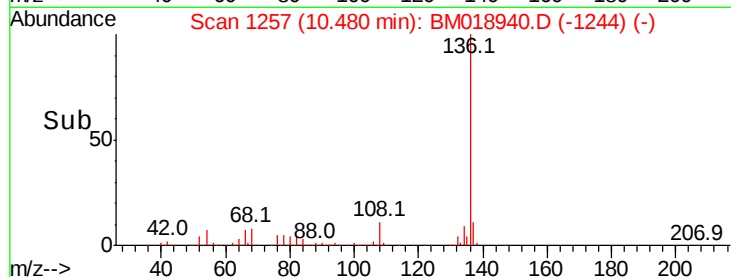
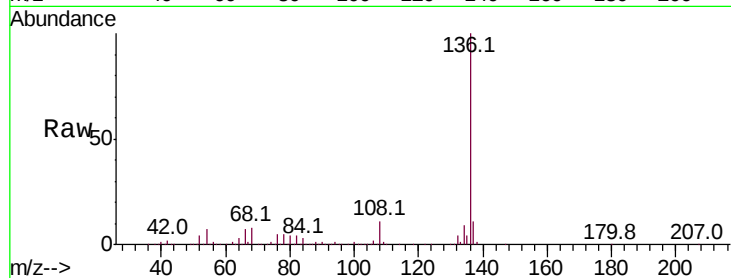
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.48 min Scan# 1257  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 8.8   | 13.2  |
| 54      | 6.7   | 5.0   | 7.6   |
| 68      | 7.8   | 5.5   | 8.3   |

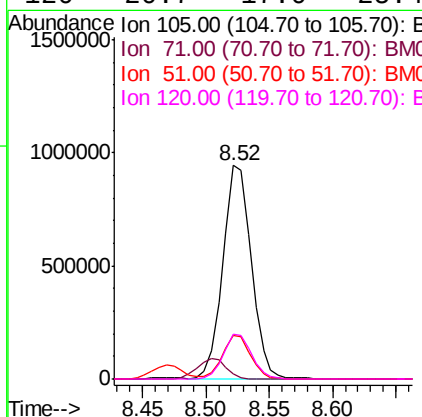
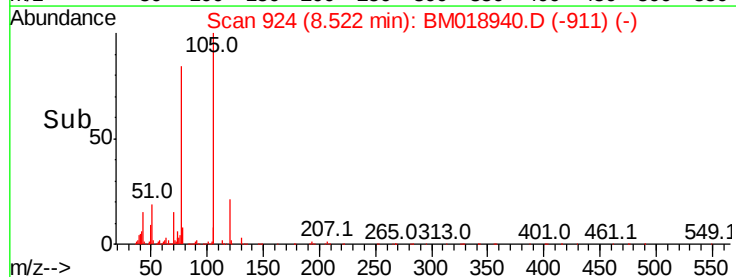
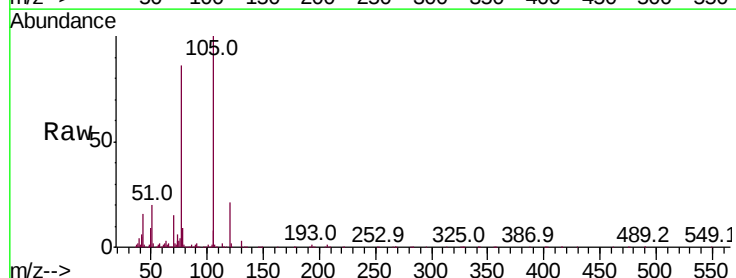
Manual Integrations  
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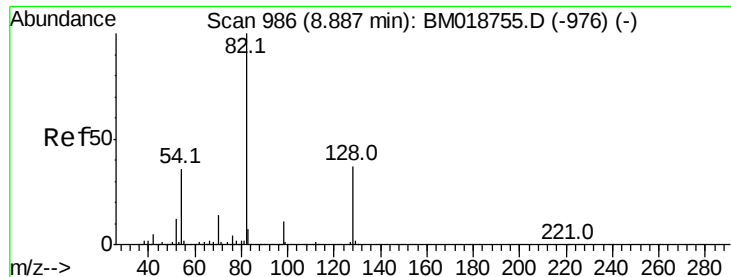
Sohil  
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#22  
Acetophenone  
Concen: 49.644 ng  
RT: 8.52 min Scan# 924  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 2.4   | 1.1   | 1.7#  |
| 51      | 20.1  | 15.5  | 23.3  |
| 120     | 20.7  | 17.0  | 25.4  |





#23

Nitrobenzene-d5

Concen: 102.254 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion: 82 Resp: 2374050

Ion Ratio Lower Upper

82 100

128 37.1 29.9 44.9

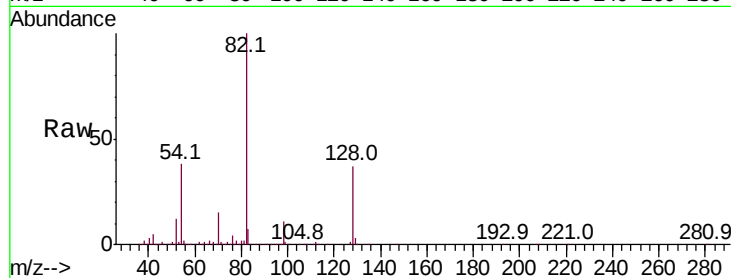
54 37.8 29.1 43.7

Manual Integrations

APPROVED

Sohil

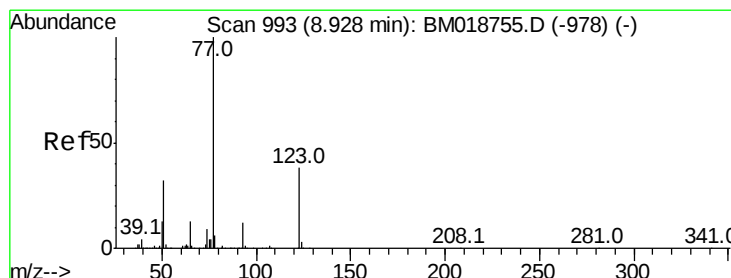
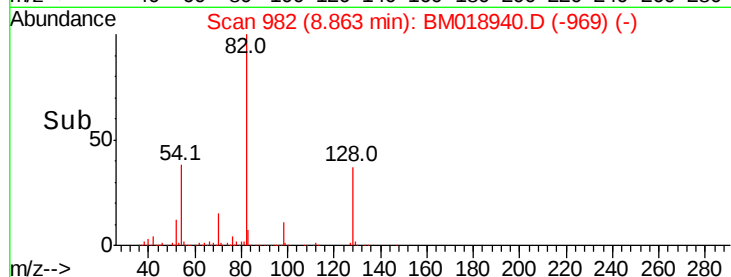
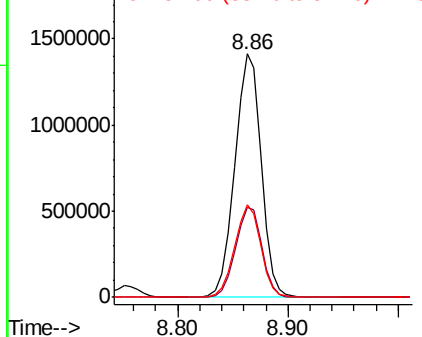
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Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)

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

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



#24

Nitrobenzene

Concen: 52.205 ng

RT: 8.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

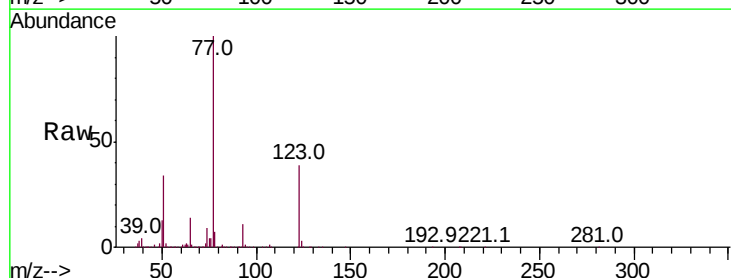
Tgt Ion: 77 Resp: 1258108

Ion Ratio Lower Upper

77 100

123 38.6 30.7 46.1

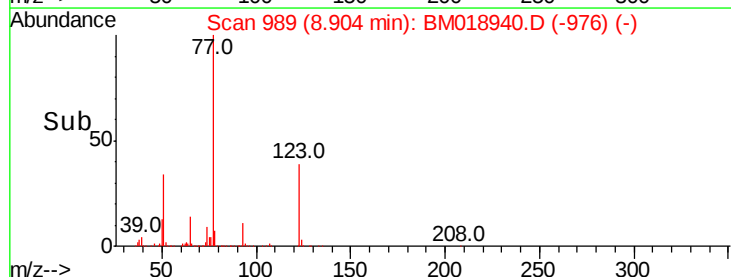
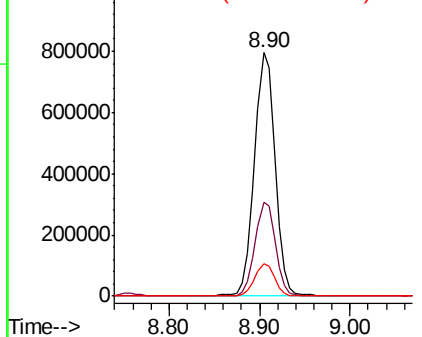
65 13.6 10.5 15.7

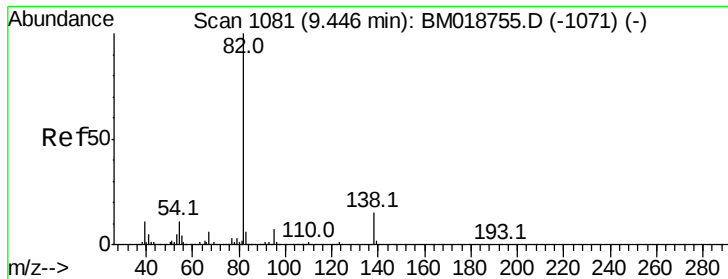


Abundance Ion 77.00 (76.70 to 77.70): BM018755.D (-978) (-)

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

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





#25

Isophorone

Concen: 55.240 ng

RT: 9.42 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion: 82 Resp: 2046384

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

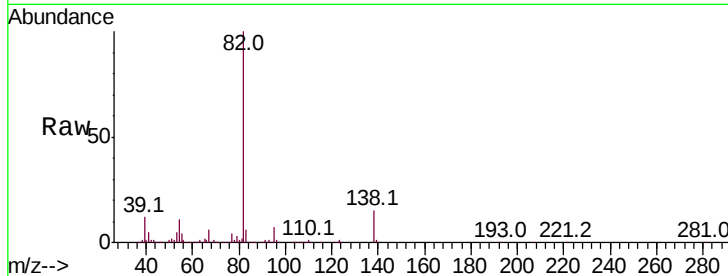
138 15.0 12.3 18.5

Manual Integrations

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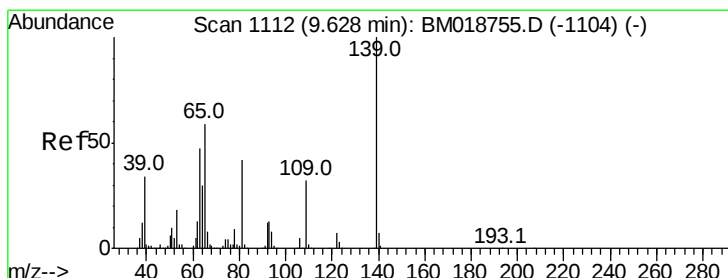
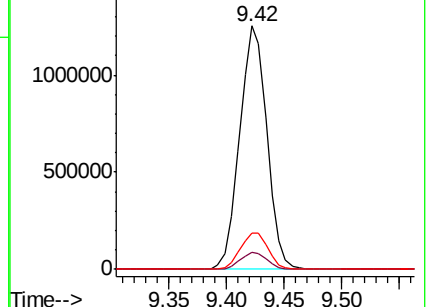
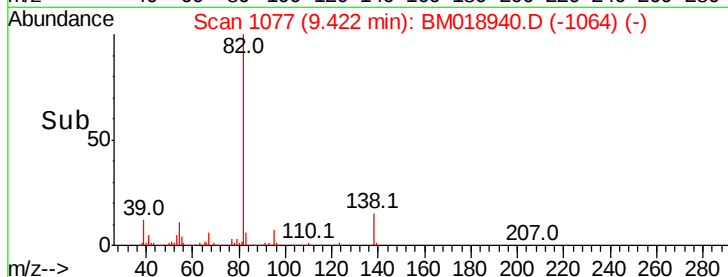
2/27/2019 4:20:23 PM



Abundance Ion 82.00 (81.70 to 82.70): BM018940.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM018940.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM018940.D (-1064) (-)



#26

2-Nitrophenol

Concen: 53.556 ng

RT: 9.61 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

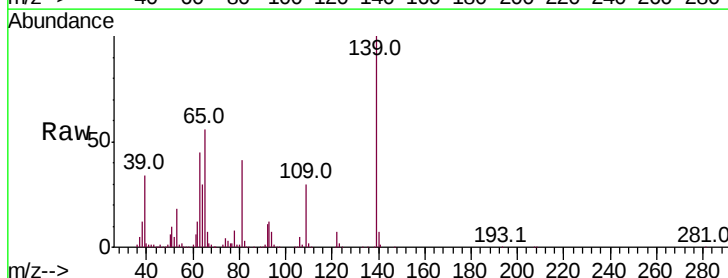
Tgt Ion: 139 Resp: 513997

Ion Ratio Lower Upper

139 100

109 30.4 25.2 37.8

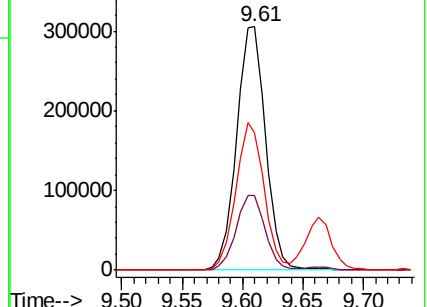
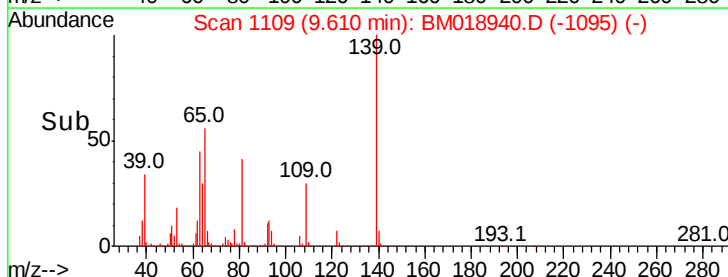
65 56.3 47.0 70.4

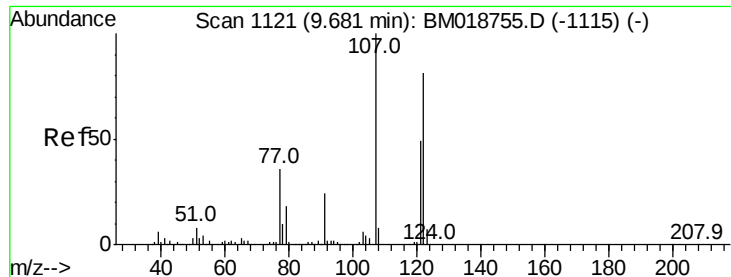


Abundance Ion 139.00 (138.70 to 139.70): BM018940.D (-1095) (-)

Ion 109.00 (108.70 to 109.70): BM018940.D (-1095) (-)

Ion 65.00 (64.70 to 65.70): BM018940.D (-1095) (-)





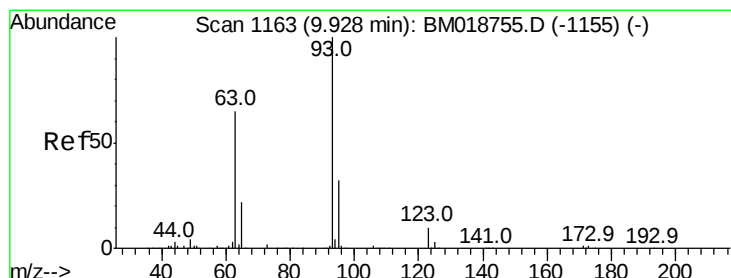
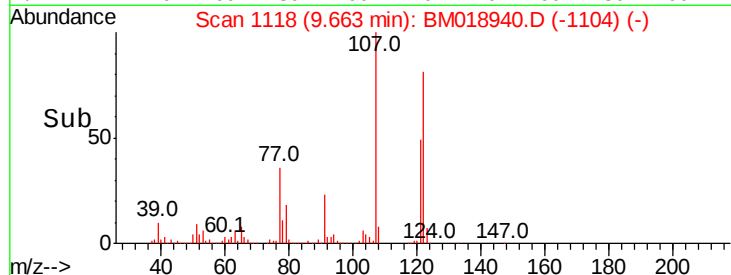
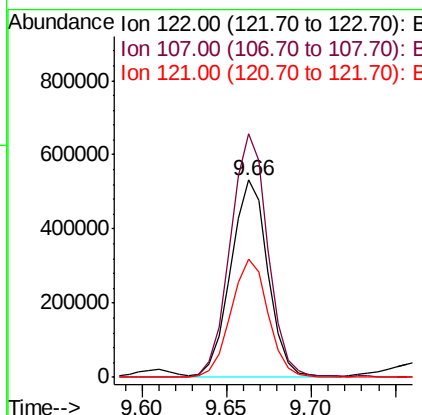
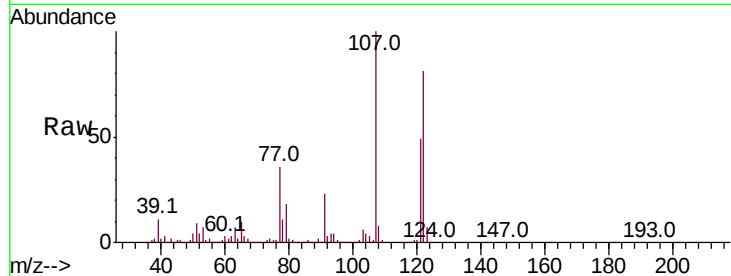
#27  
2,4-Dimethylphenol  
Concen: 57.595 ng  
RT: 9.66 min Scan# 1118  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 123.4 | 97.6  | 146.4 |
| 121     | 60.0  | 47.9  | 71.9  |

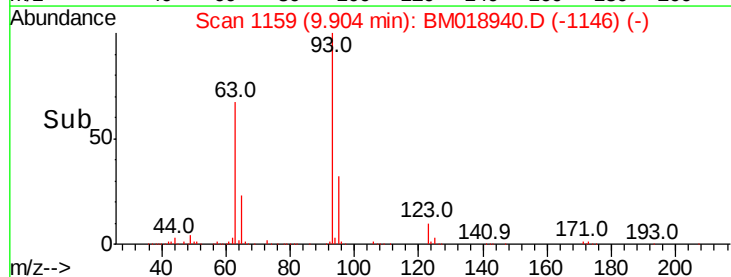
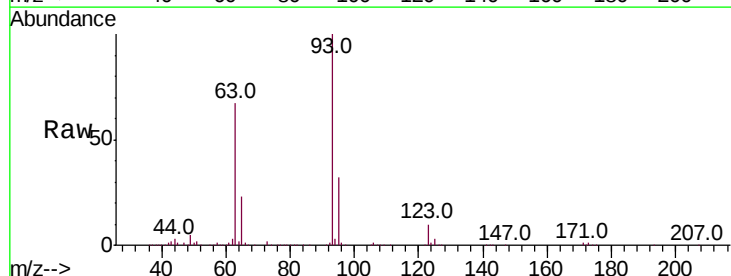
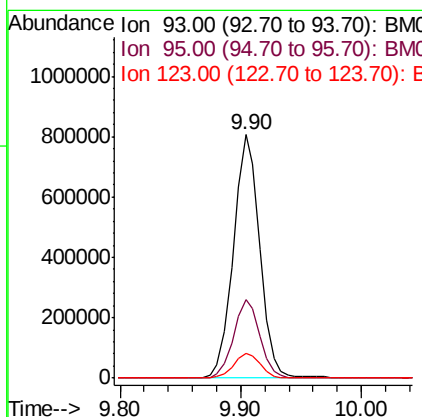
Manual Integrations  
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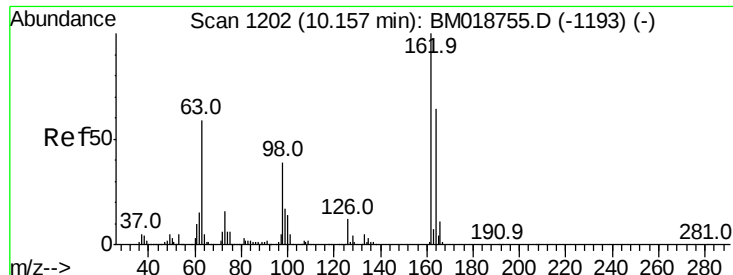
Sohil  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 51.154 ng  
RT: 9.90 min Scan# 1159  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.1  | 25.6  | 38.4  |
| 123     | 10.0  | 8.2   | 12.4  |





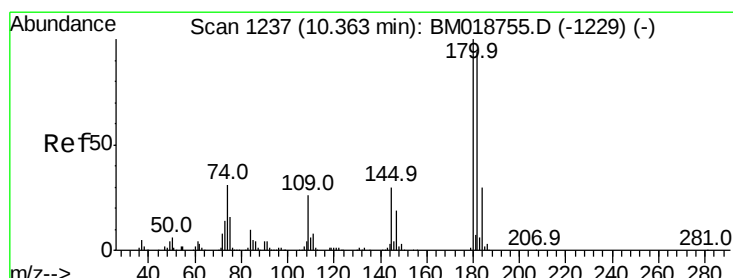
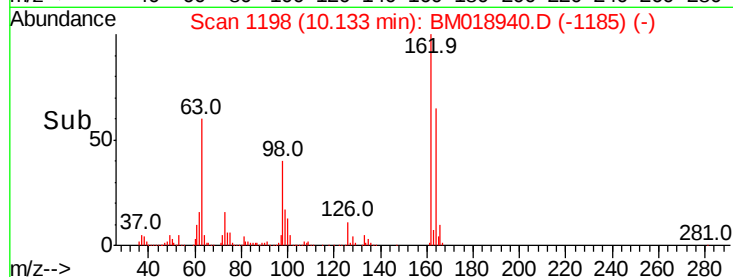
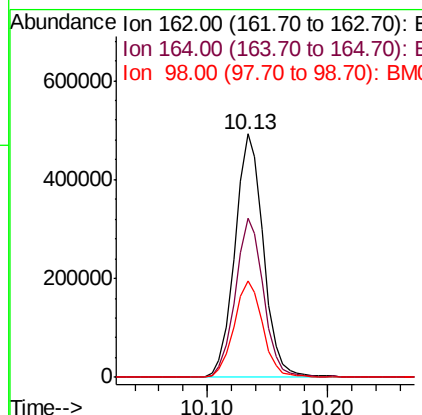
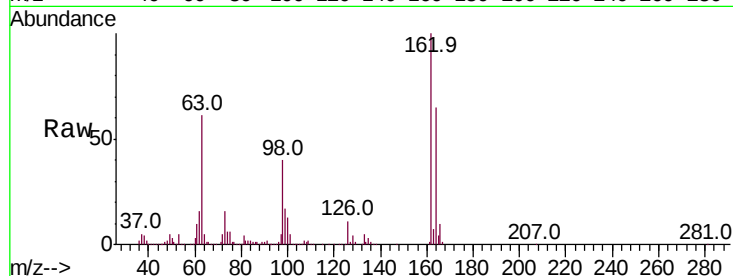
#29  
 2,4-Dichlorophenol  
 Concen: 50.360 ng  
 RT: 10.13 min Scan# 1198  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 65.2  | 44.1       | 84.1       |
| 98      | 39.8  | 19.4       | 59.4       |

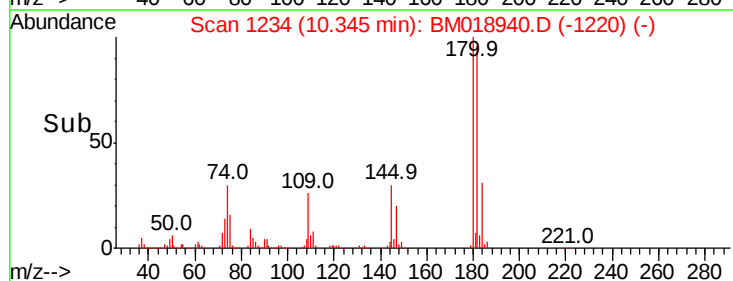
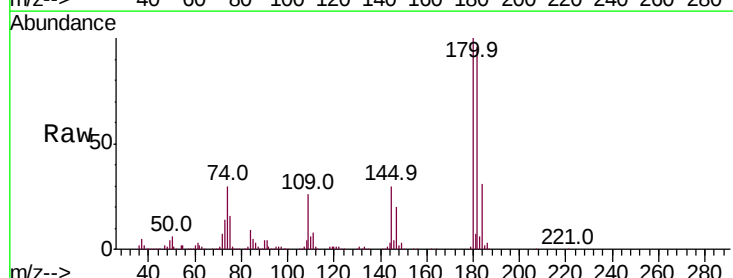
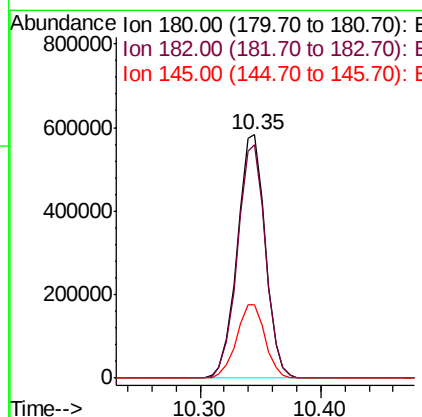
Manual Integrations  
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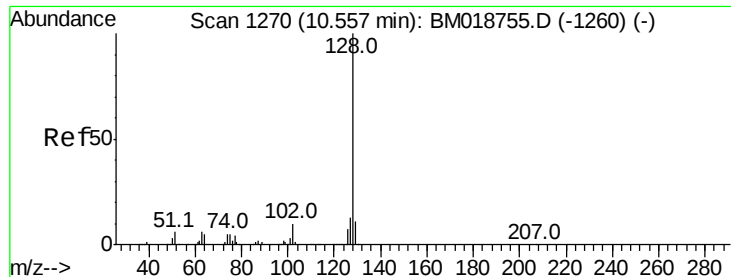
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 50.817 ng  
 RT: 10.35 min Scan# 1234  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 96.1  | 75.0       | 112.6      |
| 145     | 30.3  | 24.1       | 36.1       |





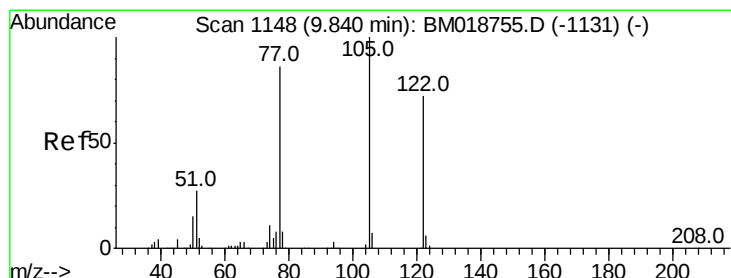
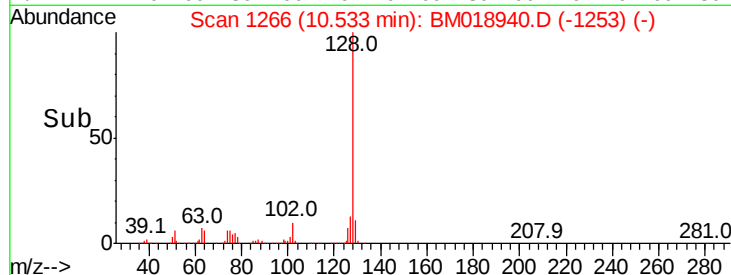
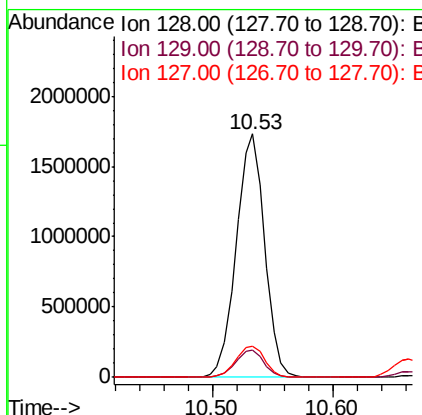
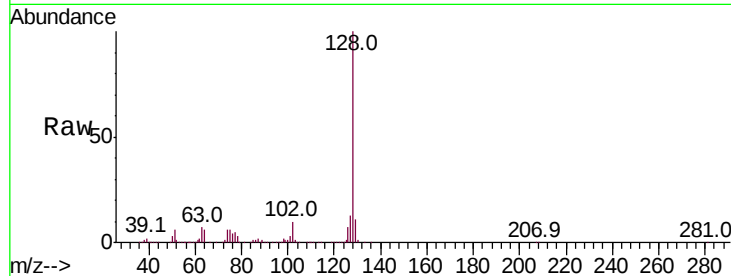
#31  
Naphthalene  
Concen: 54.065 ng  
RT: 10.53 min Scan# 1266  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.0  | 9.0   | 13.4  |
| 127     | 13.0  | 10.7  | 16.1  |

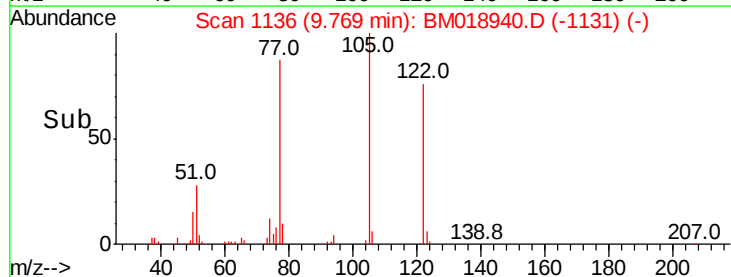
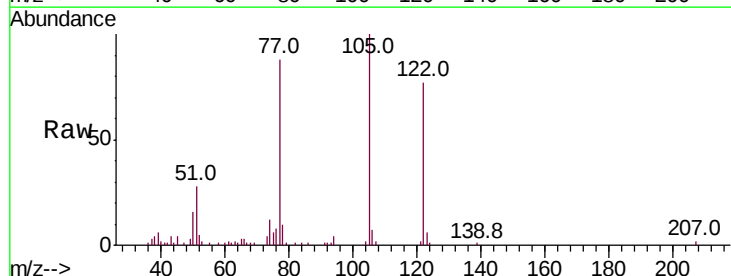
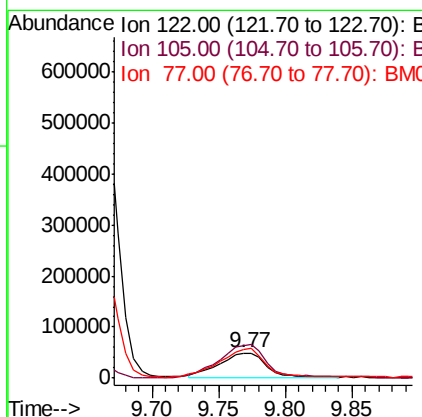
Manual Integrations  
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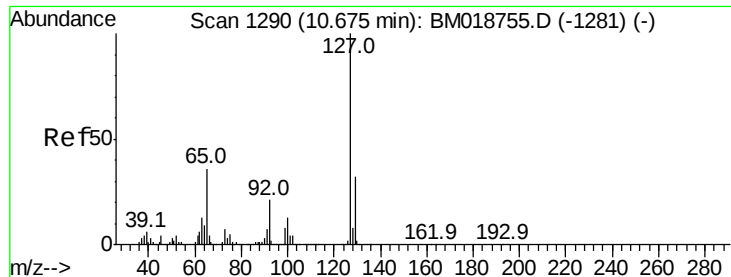
Sohil  
2/27/2019 4:20:23 PM



#32  
Benzoic acid  
Concen: 9.275 ng  
RT: 9.77 min Scan# 1136  
Delta R.T. -0.07 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 129.6 | 117.5 | 157.5 |
| 77      | 114.4 | 98.5  | 138.5 |





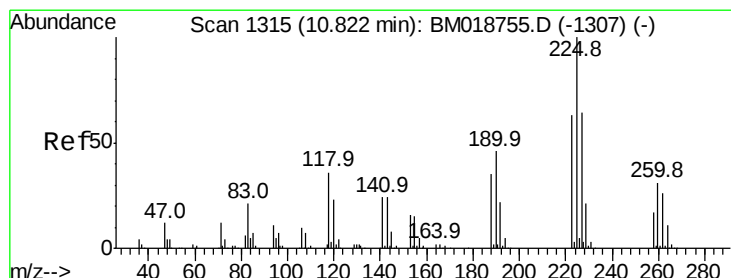
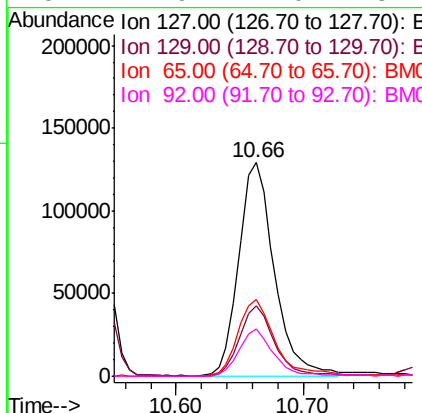
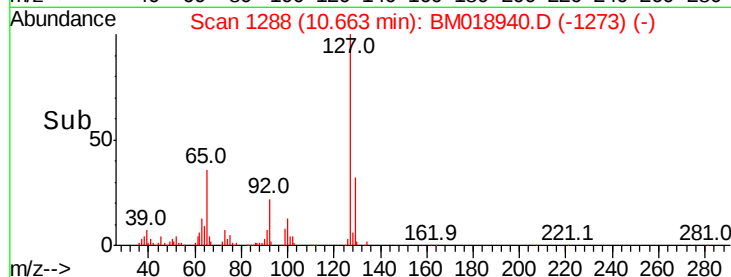
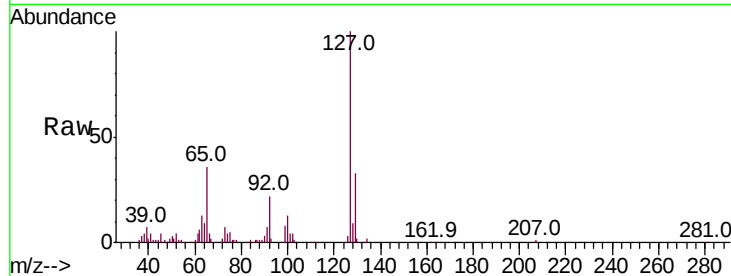
#33  
4-Chloroaniline  
Concen: 10.772 ng  
RT: 10.66 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.7  | 25.7 | 38.5  |       |
| 65      | 35.8  | 28.7 | 43.1  |       |
| 92      | 21.9  | 17.0 | 25.4  |       |

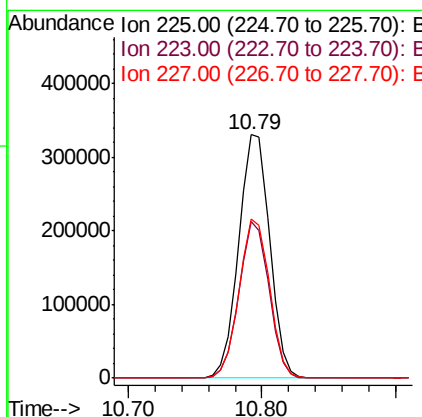
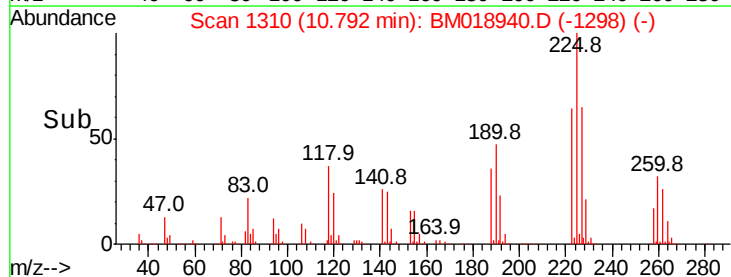
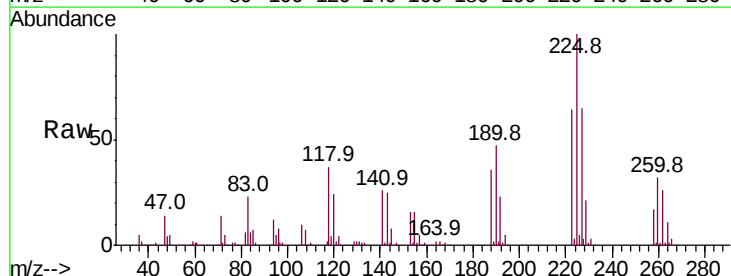
Manual Integrations  
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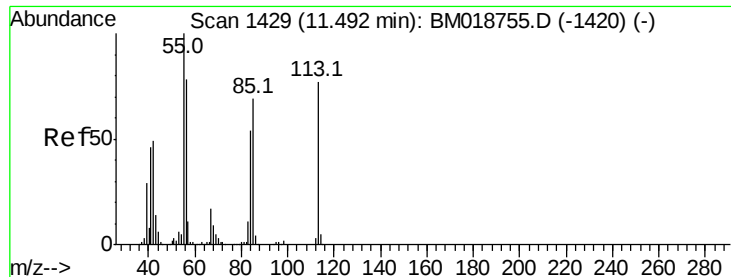
Sohil  
2/27/2019 4:20:23 PM



#34  
Hexachlorobutadiene  
Concen: 49.122 ng  
RT: 10.79 min Scan# 1310  
Delta R.T. -0.03 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 64.3  | 50.1 | 75.1  |       |
| 227     | 65.4  | 51.4 | 77.0  |       |





#35

Caprolactam

Concen: 33.067 ng/mL

RT: 11.47 min Scan# 1425

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

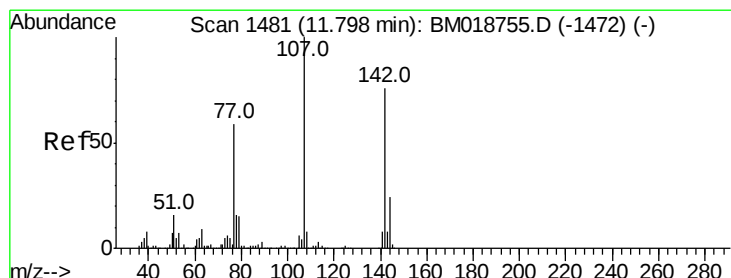
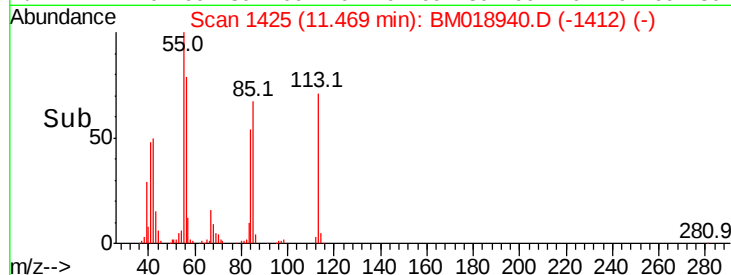
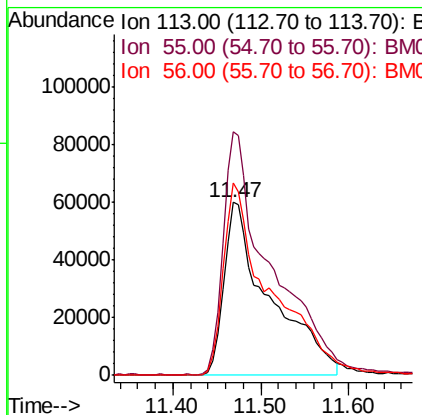
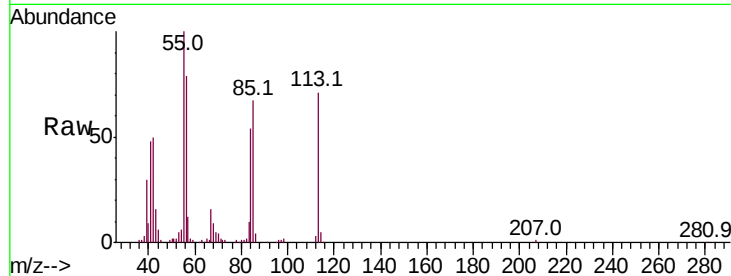
ClientSampled :

WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 217207 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 140.7 | 110.7 | 150.7  |
| 56        | 111.5 | 82.4  | 122.4  |

Manual Integrations  
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#36

4-Chloro-3-methylphenol

Concen: 43.488 ng/mL

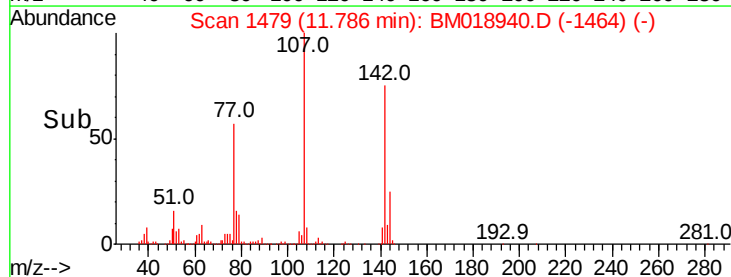
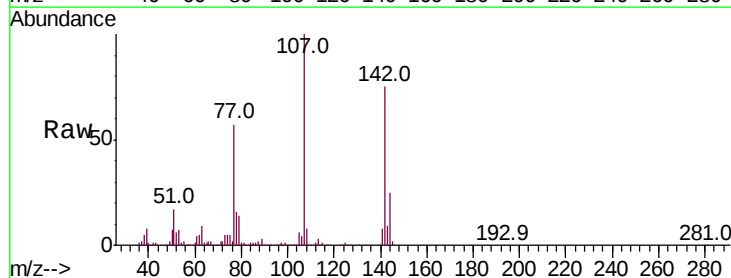
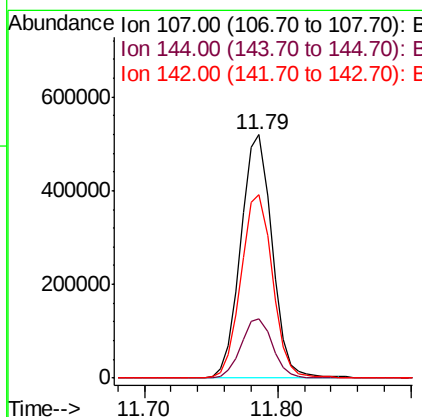
RT: 11.79 min Scan# 1479

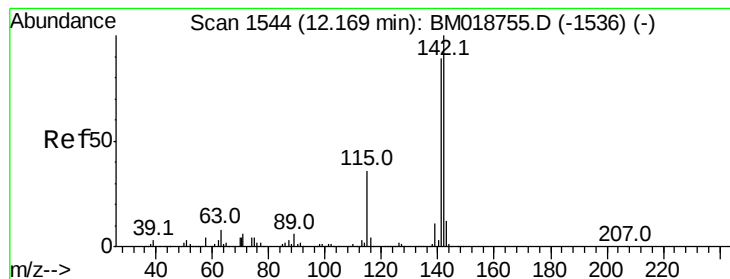
Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 843914 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.5  | 19.3  | 28.9   |
| 142       | 75.4  | 60.5  | 90.7   |





#37

2-Methylnaphthalene

Concen: 51.690 ng

RT: 12.15 min Scan# 1541

Delta R.T. -0.02 min

Lab File: BM018940.D

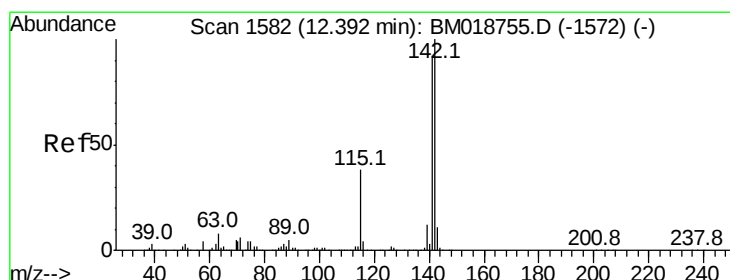
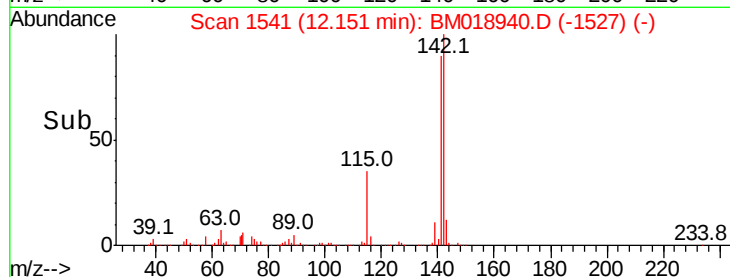
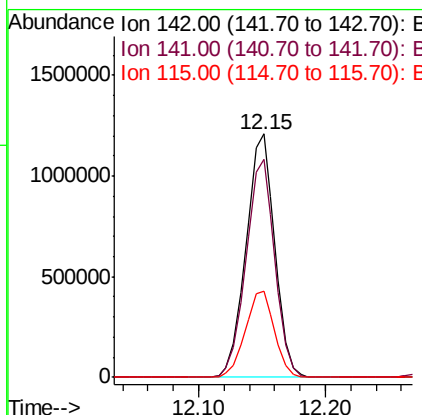
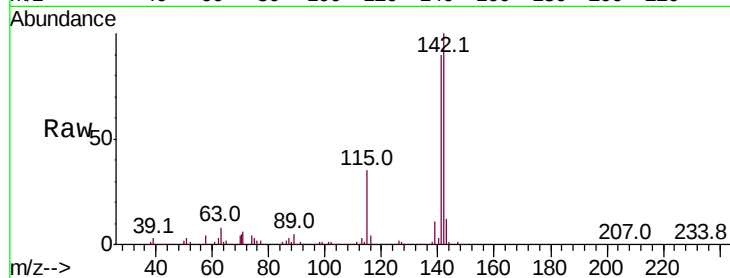
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.7  | 71.2  | 106.8 |
| 115     | 35.5  | 29.1  | 43.7  |

Manual Integrations  
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#38

1-Methylnaphthalene

Concen: 49.269 ng

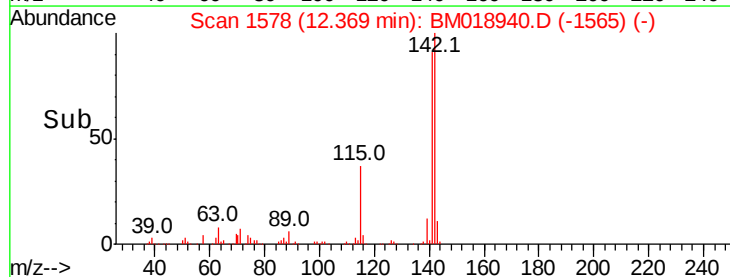
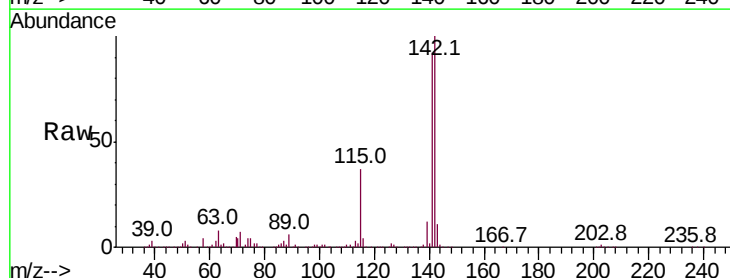
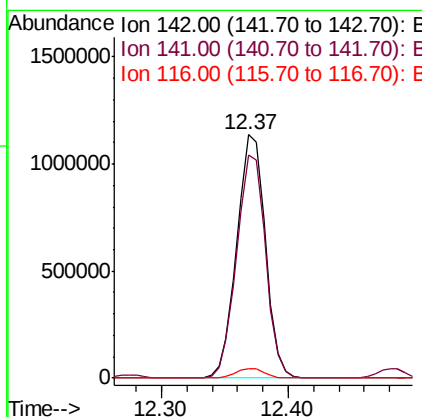
RT: 12.37 min Scan# 1578

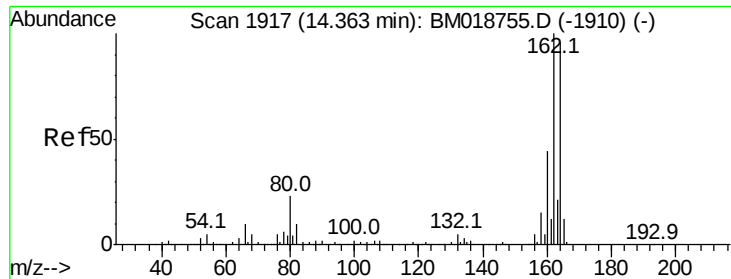
Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.6  | 73.9  | 110.9 |
| 116     | 3.6   | 3.0   | 4.4   |





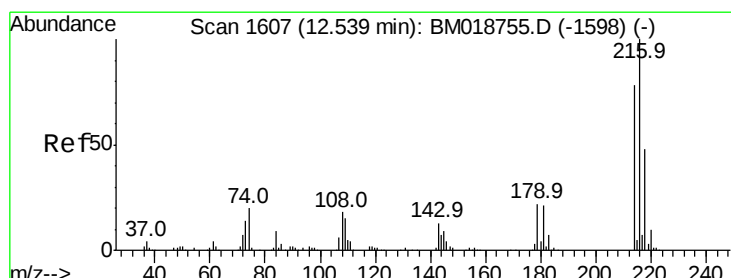
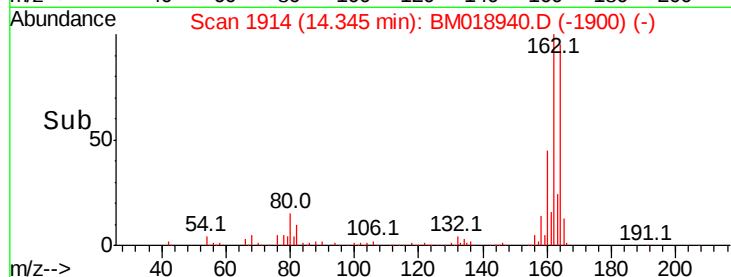
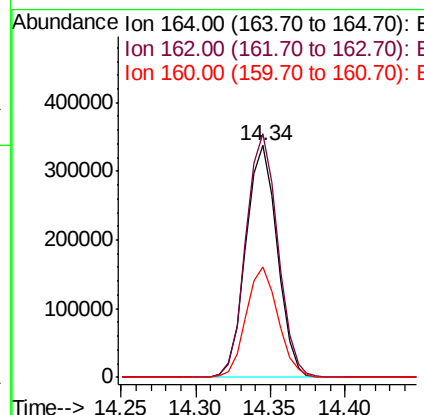
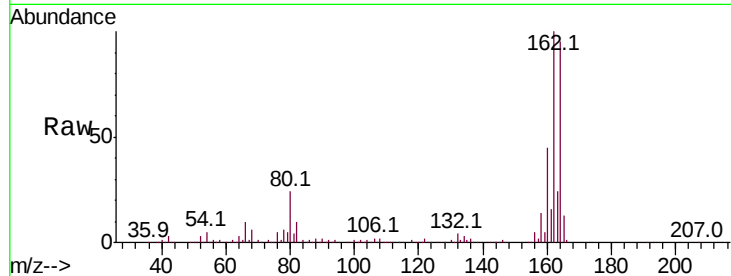
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.34 min Scan# 1914  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.0 | 83.4  | 125.0 |
| 160     | 47.7  | 36.6  | 55.0  |

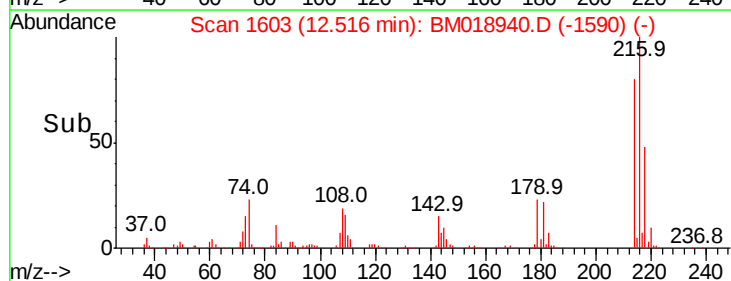
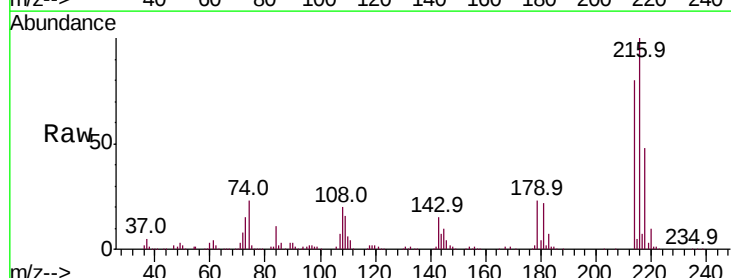
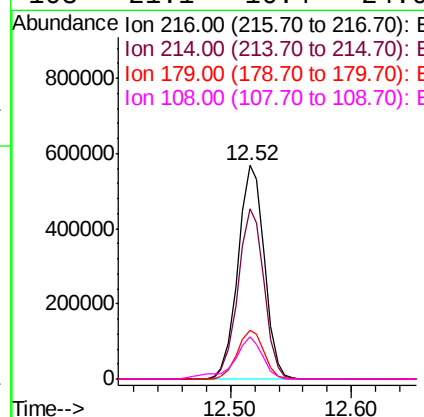
Manual Integrations  
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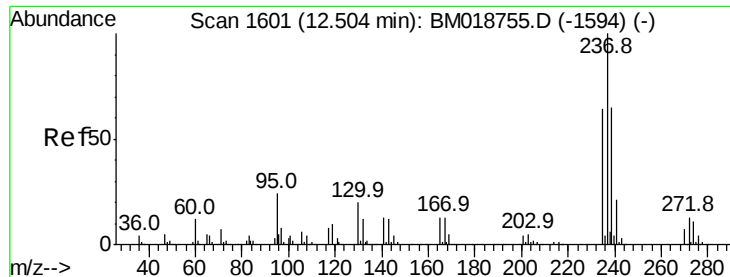
Sohil  
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#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 54.956 ng  
 RT: 12.52 min Scan# 1603  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.9  | 63.2  | 94.8  |
| 179     | 23.0  | 17.8  | 26.8  |
| 108     | 21.1  | 16.4  | 24.6  |





#41

Hexachlorocyclopentadiene

Concen: 66.899 ng

RT: 12.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

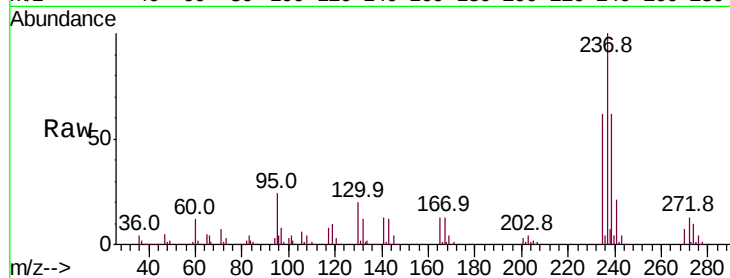
ClientSampleId :

WV-EMSD

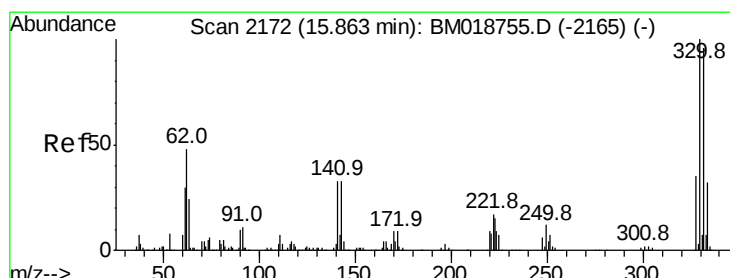
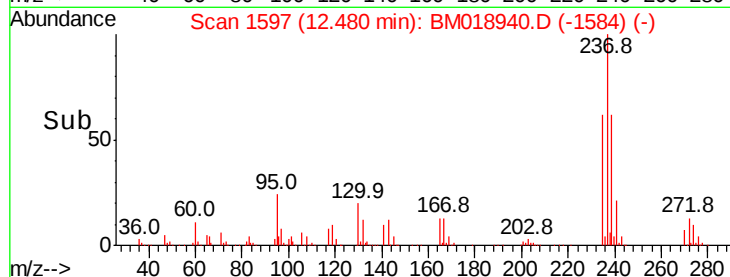
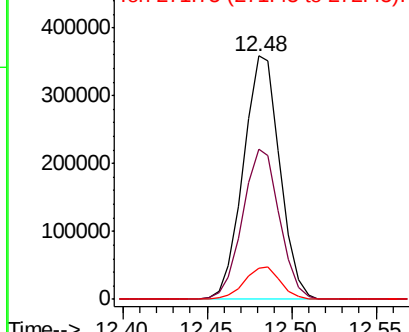
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 538720 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.7  | 43.7  | 83.7   |
| 272       | 12.6  | 0.0   | 33.3   |

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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: 131.534 ng

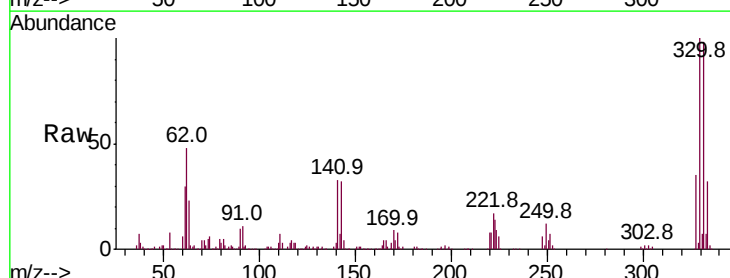
RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

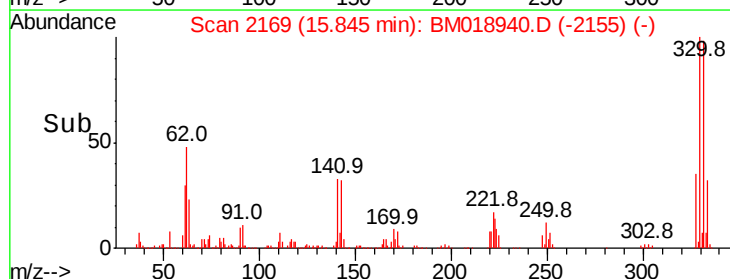
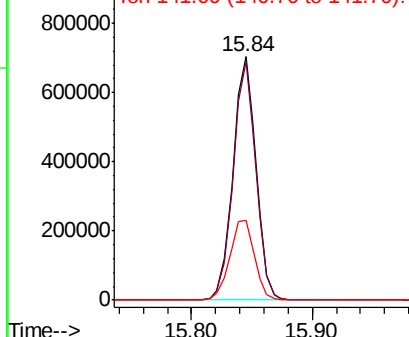
Lab File: BM018940.D

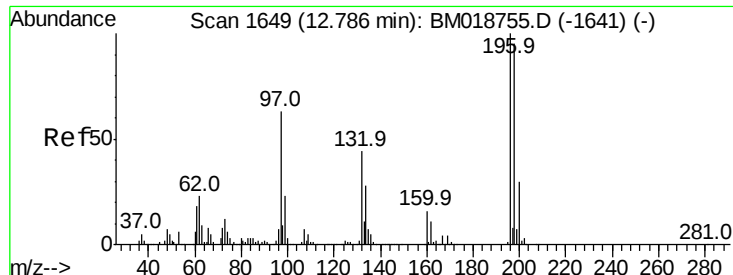
Acq: 26 Feb 2019 21:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 933546 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.8  | 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





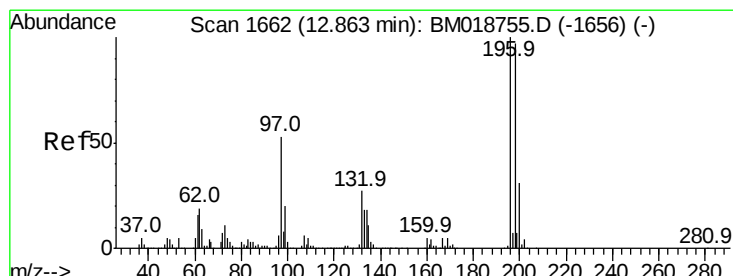
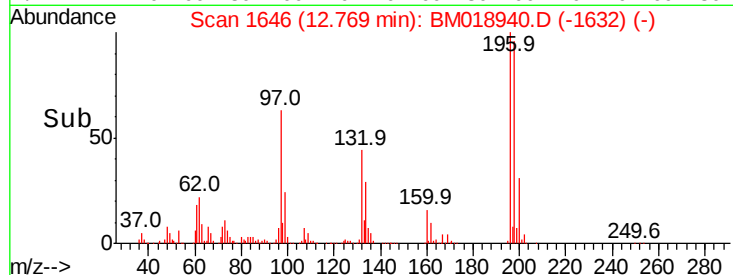
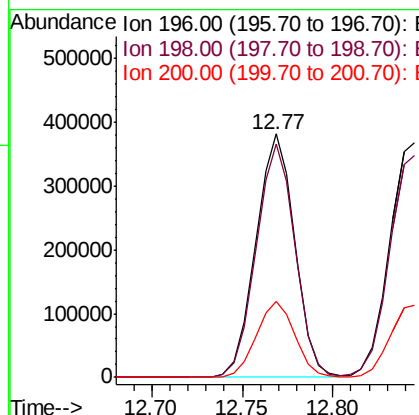
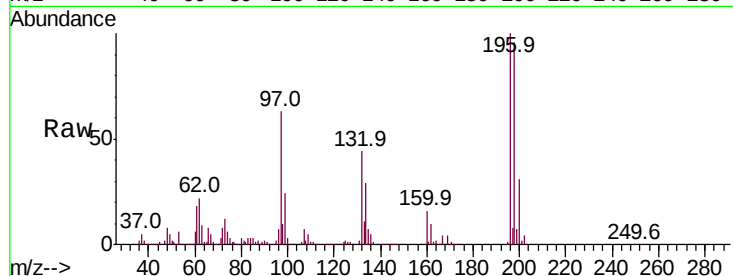
#43  
2,4,6-Trichlorophenol  
Concen: 54.571 ng  
RT: 12.77 min Scan# 1646  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 569003 |       |       |
| 198     | 95.6  | 76.2   | 114.2 |       |
| 200     | 31.4  | 24.2   | 36.2  |       |

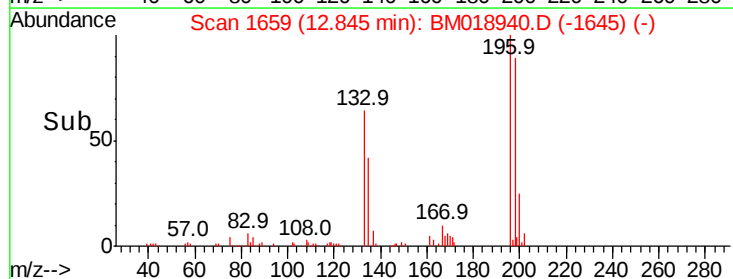
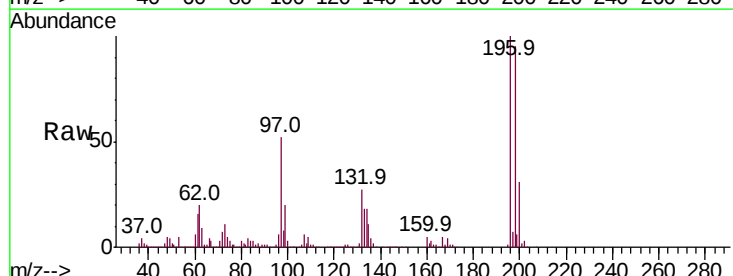
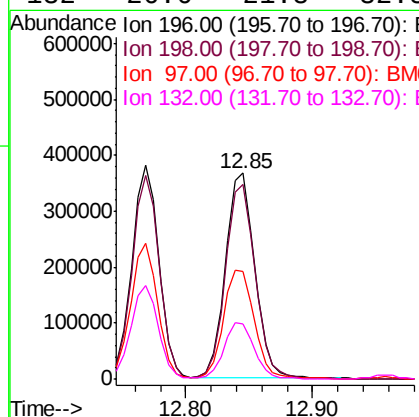
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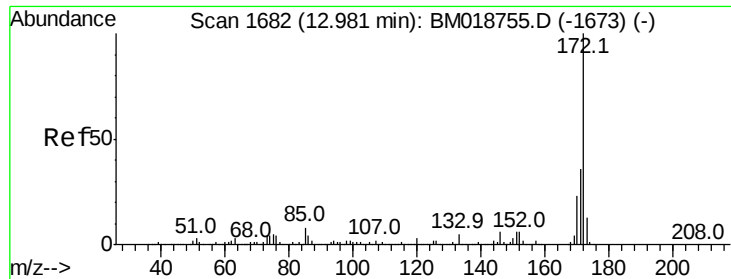
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#44  
2,4,5-Trichlorophenol  
Concen: 53.888 ng  
RT: 12.85 min Scan# 1659  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 588925 |       |       |
| 198     | 94.5  | 77.6   | 116.4 |       |
| 97      | 52.2  | 42.8   | 64.2  |       |
| 132     | 26.6  | 21.8   | 32.8  |       |





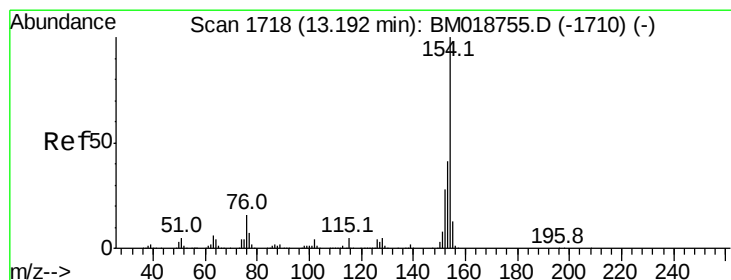
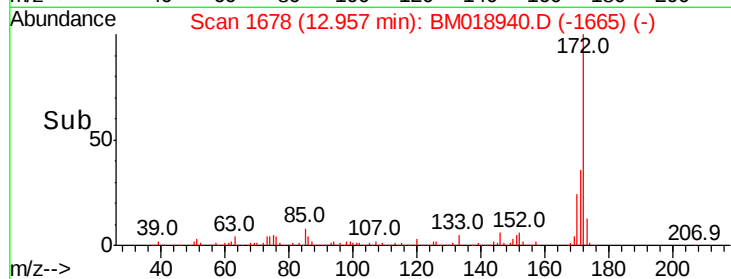
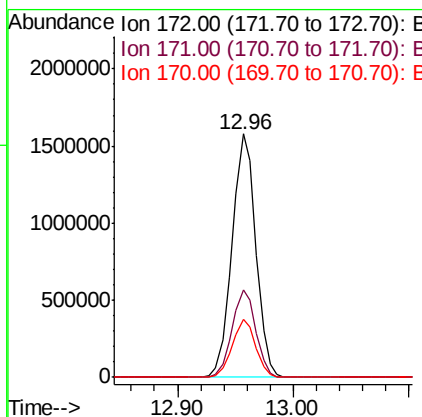
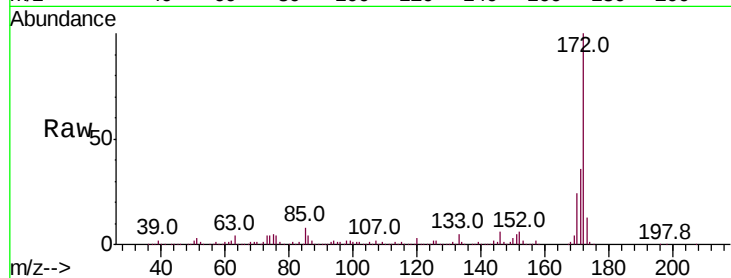
#45  
2-Fluorobiphenyl  
Concen: 60.468 ng  
RT: 12.96 min Scan# 1678  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

Tot Ion:172 Resp: 2242780  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.0 43.6  
170 23.9 18.6 28.0

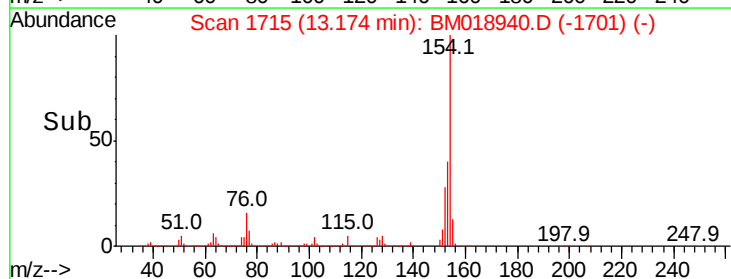
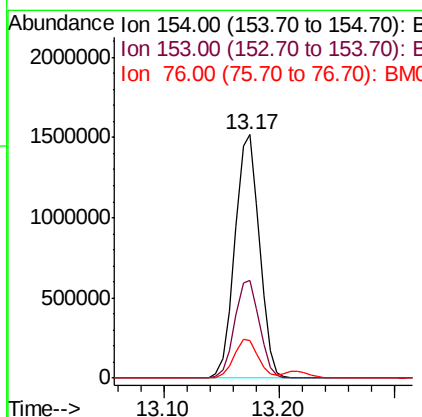
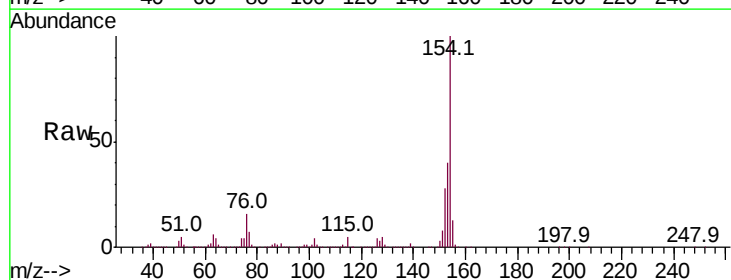
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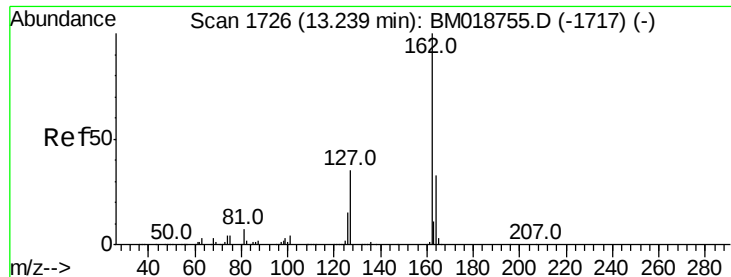
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#46  
1,1'-Biphenyl  
Concen: 52.575 ng  
RT: 13.17 min Scan# 1715  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Tgt Ion:154 Resp: 2228236  
Ion Ratio Lower Upper  
154 100  
153 40.2 21.1 61.1  
76 15.5 0.0 35.7





#47

2-Chloronaphthalene

Concen: 53.315 ng

RT: 13.22 min Scan# 1722

Delta R.T. -0.02 min

Lab File: BM018940.D

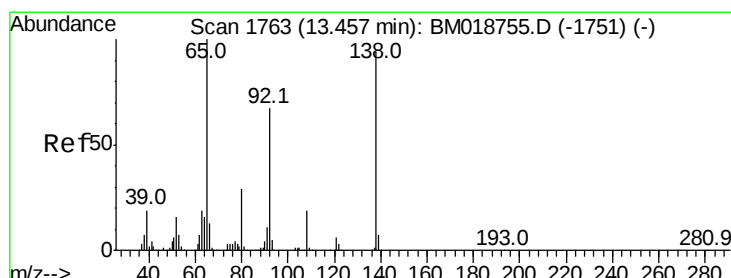
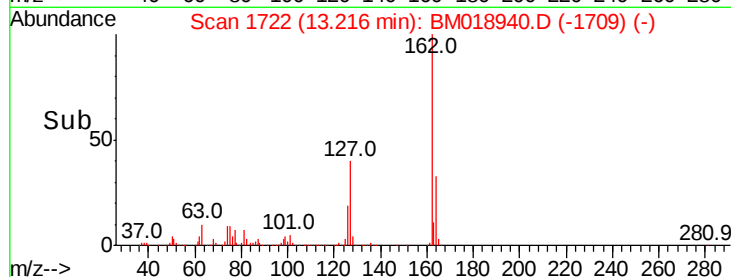
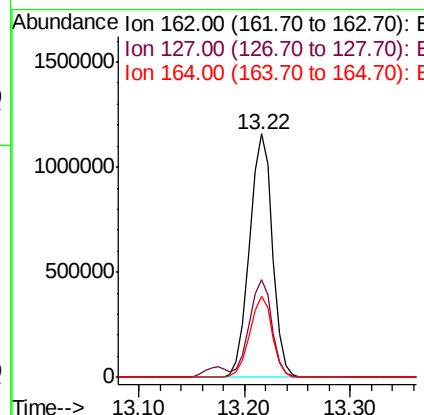
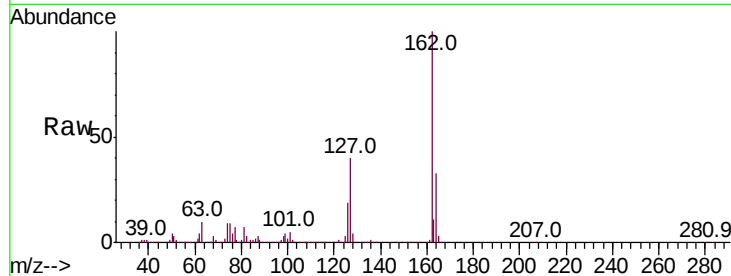
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.9  | 31.1  | 46.7  |
| 164     | 33.1  | 26.4  | 39.6  |

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#48

2-Nitroaniline

Concen: 52.301 ng

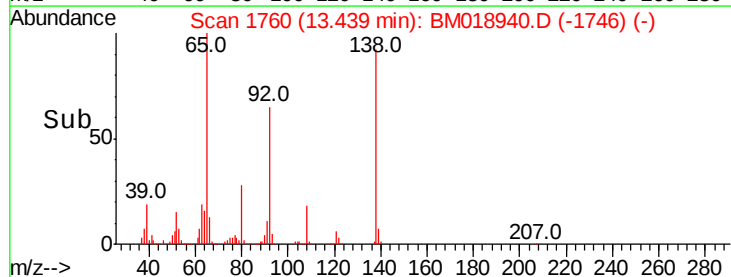
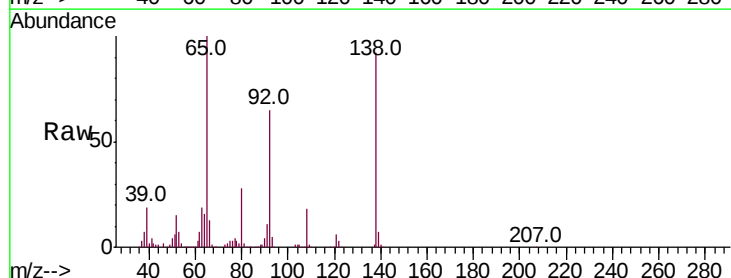
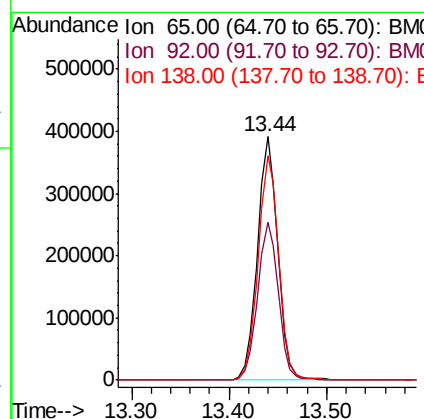
RT: 13.44 min Scan# 1760

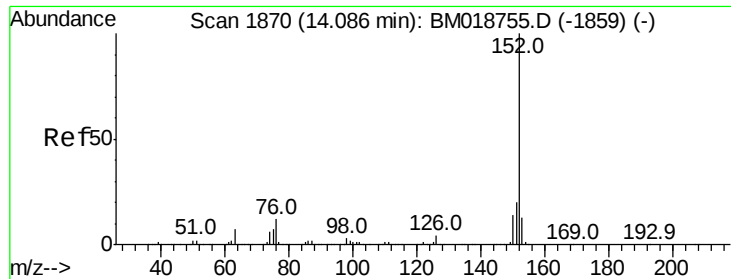
Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.9  | 54.0  | 81.0  |
| 138     | 92.1  | 74.9  | 112.3 |





#49

Acenaphthylene

Concen: 54.553 ng

RT: 14.07 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion:152 Resp: 2659068

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

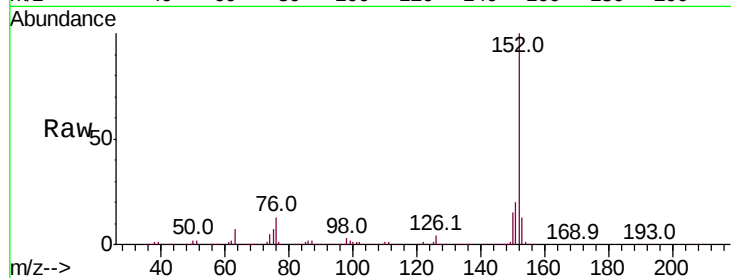
153 13.1 10.5 15.7

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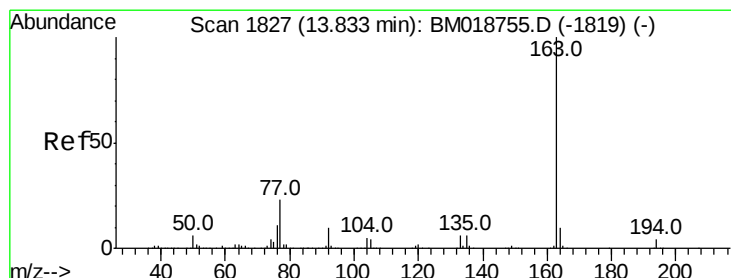
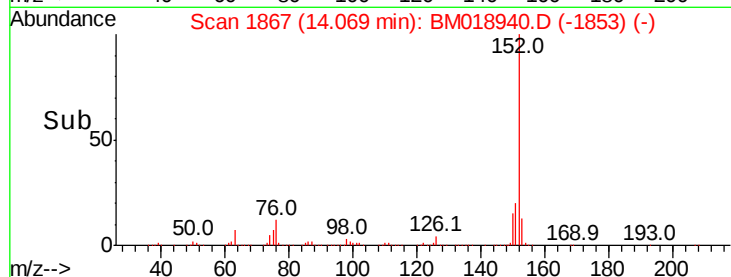
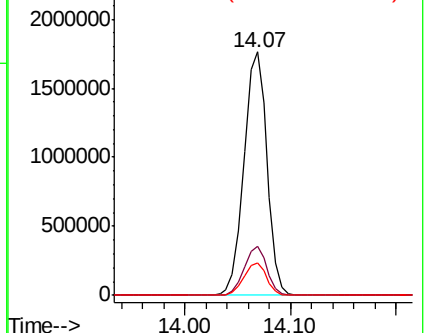
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 53.685 ng

RT: 13.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

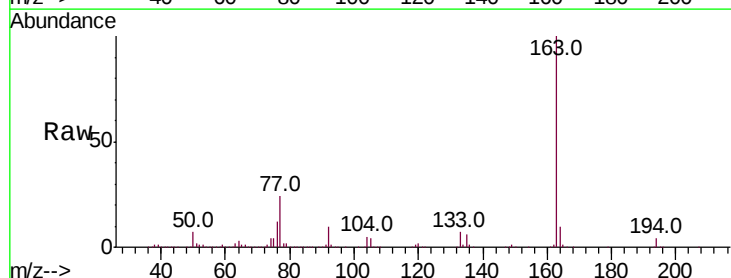
Tgt Ion:163 Resp: 2202905

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

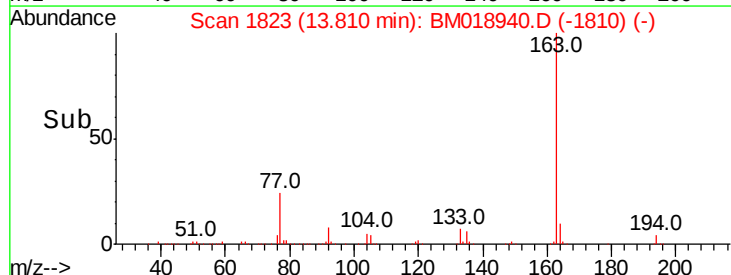
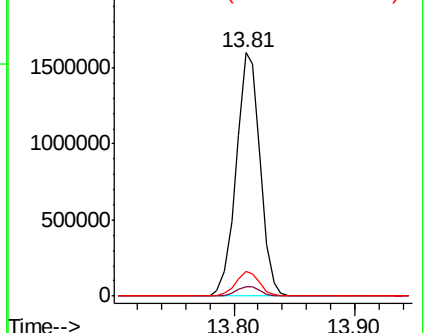
164 10.1 7.8 11.8

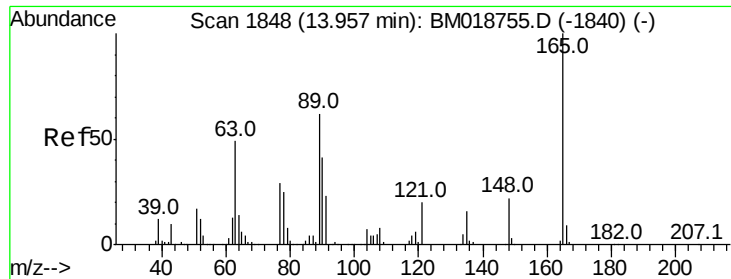


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.647 ng

RT: 13.94 min Scan# 1845

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

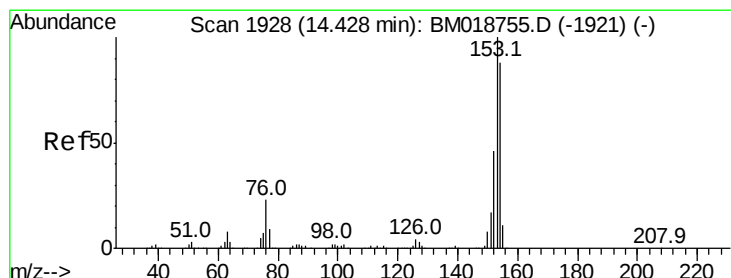
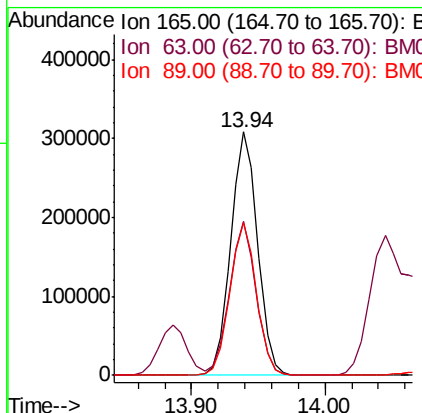
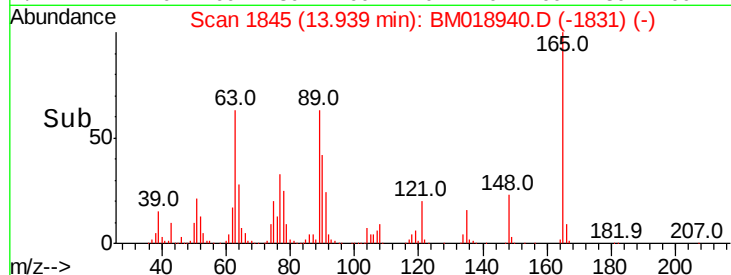
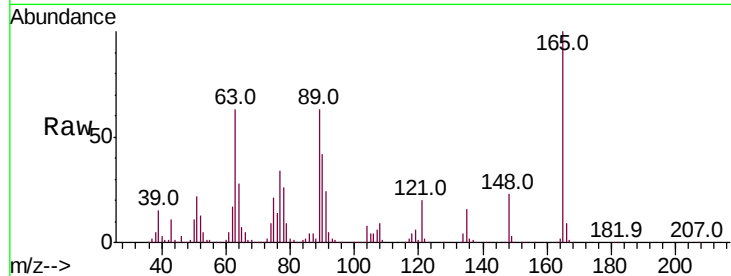
ClientSampled :

WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 432412 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 63.3  | 48.9  | 73.3   |
| 89        | 62.8  | 49.4  | 74.0   |

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#52

Acenaphthene

Concen: 52.964 ng

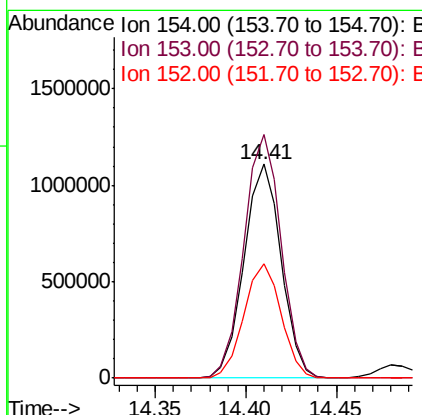
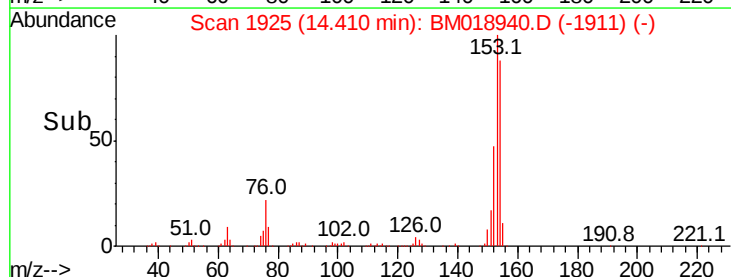
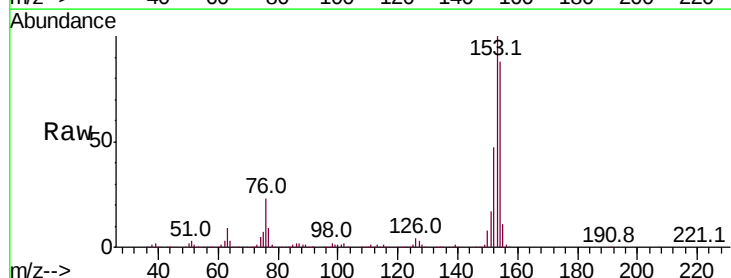
RT: 14.41 min Scan# 1925

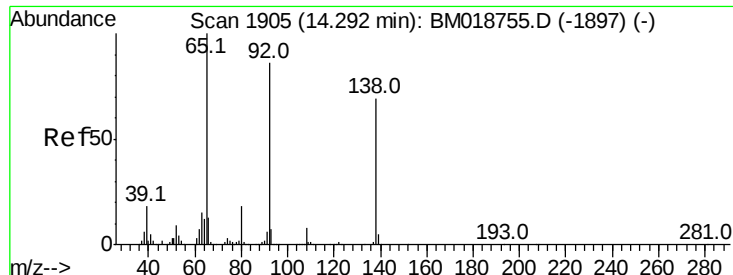
Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1582995 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 113.9 | 91.3  | 136.9   |
| 152       | 53.5  | 42.2  | 63.4    |





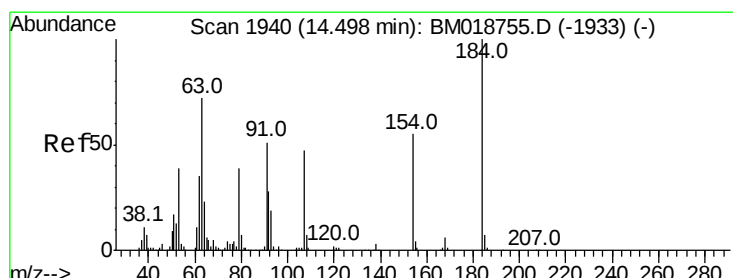
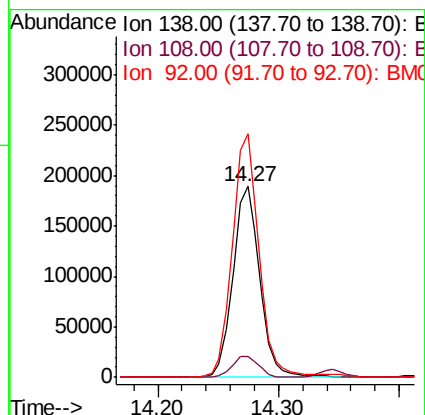
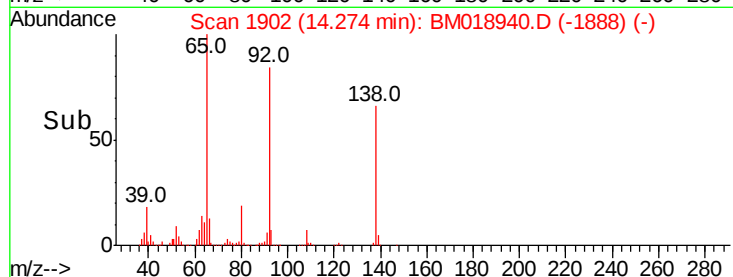
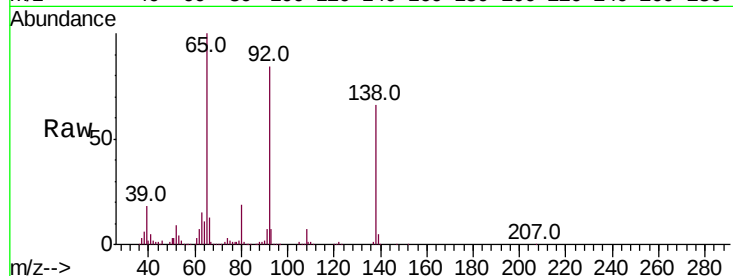
#53  
3-Nitroaniline  
Concen: 29.109 ng  
RT: 14.27 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.9  | 9.1   | 13.7  |
| 92      | 127.7 | 99.7  | 149.5 |

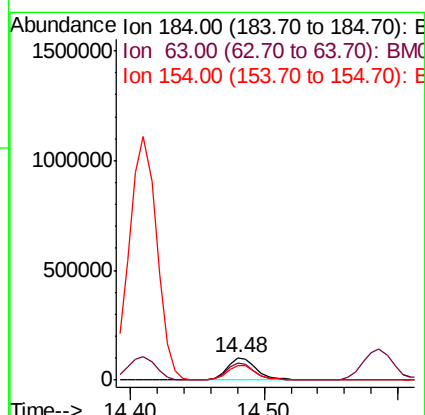
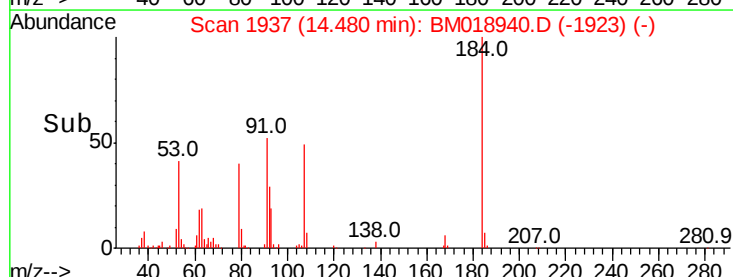
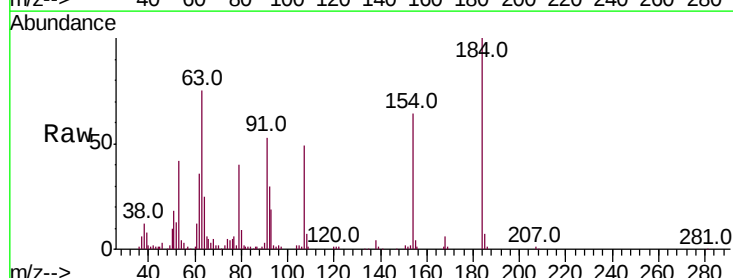
Manual Integrations  
APPROVED

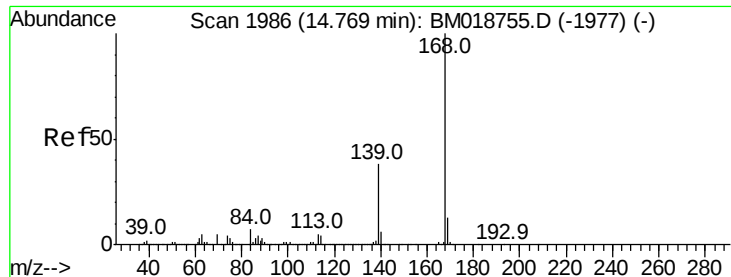
Sohil  
2/27/2019 4:20:23 PM



#54  
2,4-Dinitrophenol  
Concen: 31.997 ng  
RT: 14.48 min Scan# 1937  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 75.3  | 58.0  | 87.0  |
| 154     | 63.6  | 50.3  | 75.5  |





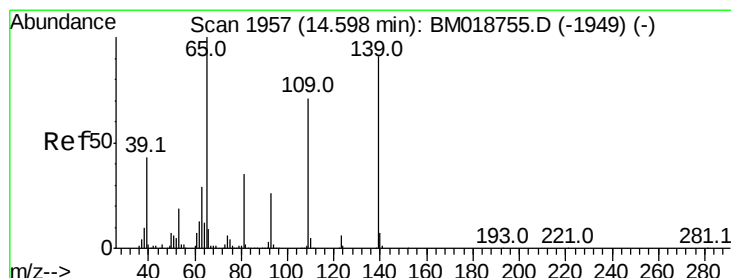
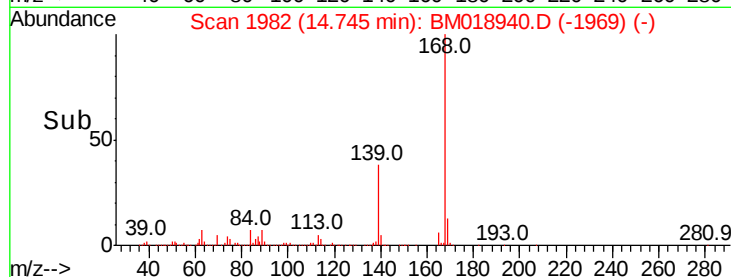
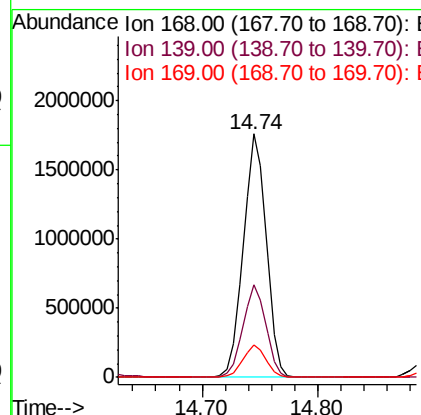
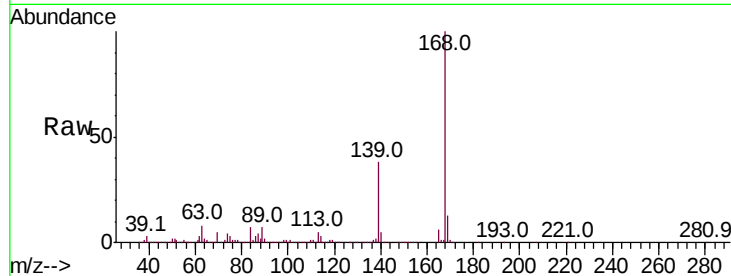
#55  
Dibenzofuran  
Concen: 49.265 ng  
RT: 14.74 min Scan# 1982  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.1  | 30.7  | 46.1  |
| 169     | 13.2  | 10.3  | 15.5  |

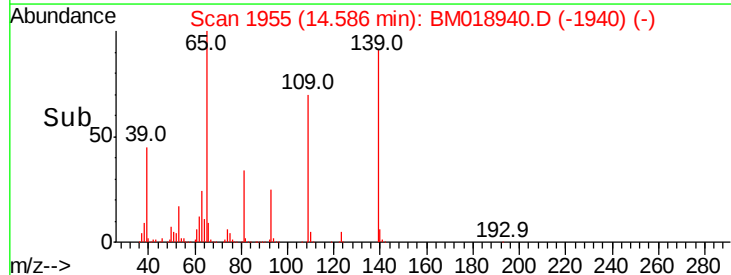
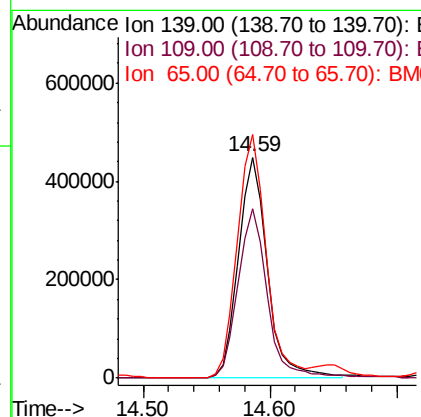
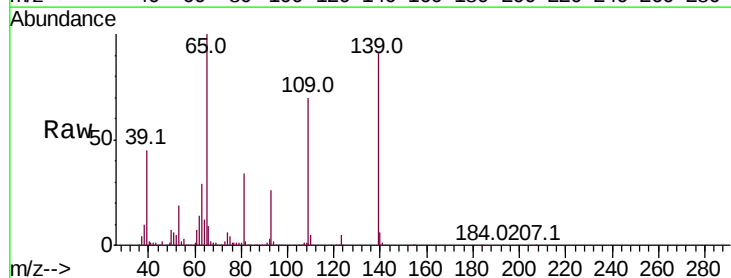
Manual Integrations  
APPROVED

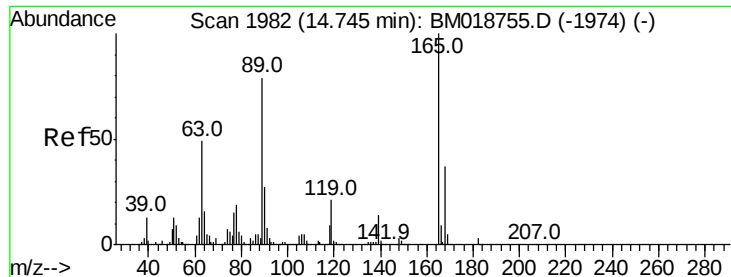
Sohil  
2/27/2019 4:20:23 PM



#56  
4-Nitrophenol  
Concen: 88.852 ng  
RT: 14.59 min Scan# 1955  
Delta R.T. -0.01 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 76.6  | 58.4  | 98.4  |
| 65      | 110.2 | 89.8  | 129.8 |





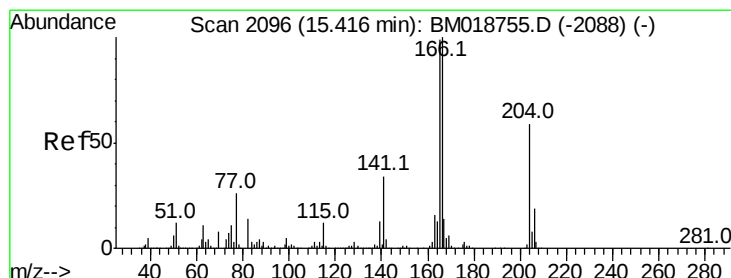
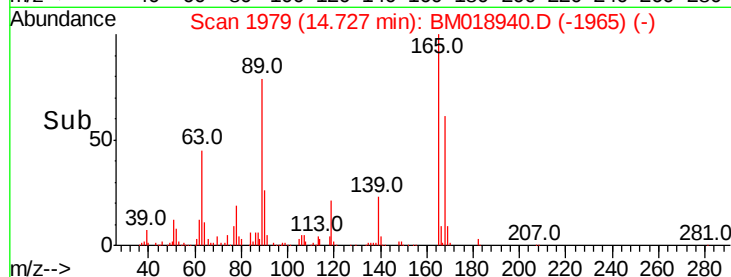
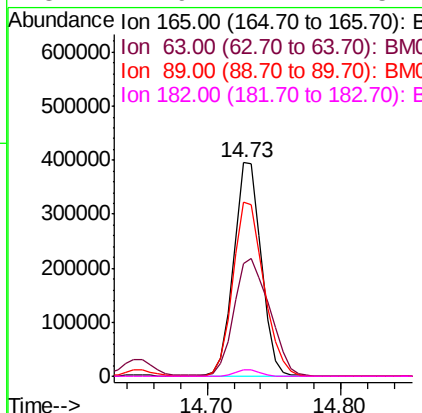
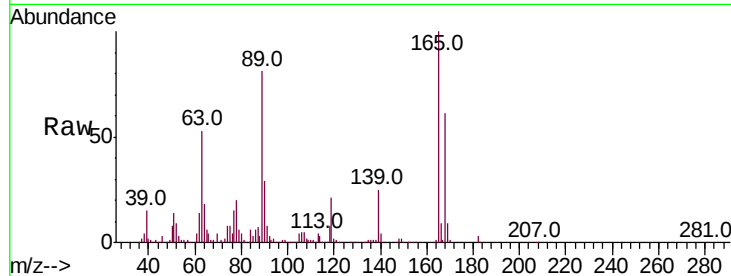
#57  
2,4-Dinitrotoluene  
Concen: 46.605 ng  
RT: 14.73 min Scan# 1979  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 570772 |       |       |
| 63      | 52.5  |        | 39.6  | 59.4  |
| 89      | 81.4  |        | 63.5  | 95.3  |
| 182     | 2.9   |        | 2.2   | 3.4   |

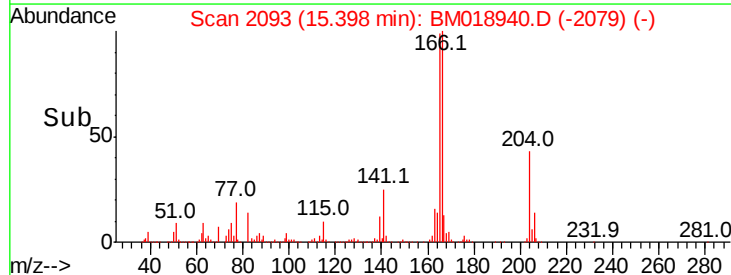
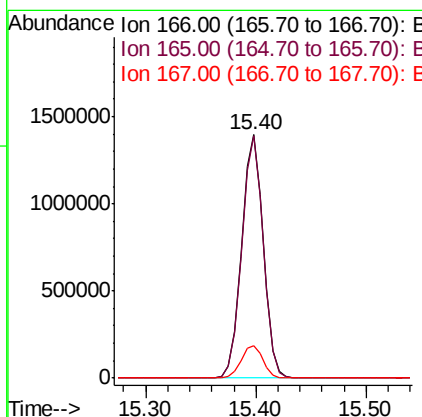
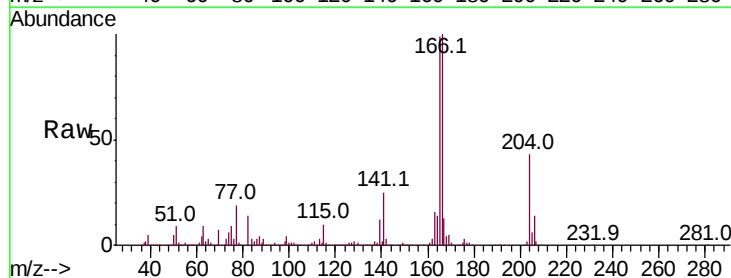
Manual Integrations  
APPROVED

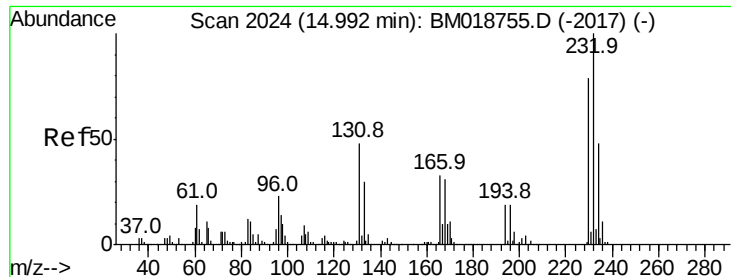
Sohil  
2/27/2019 4:20:23 PM



#58  
Fluorene  
Concen: 51.053 ng  
RT: 15.40 min Scan# 2093  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1918726 |       |       |
| 165     | 99.5  |         | 79.1  | 118.7 |
| 167     | 13.3  |         | 11.0  | 16.4  |





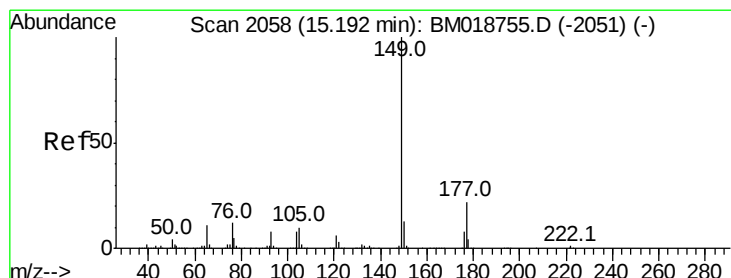
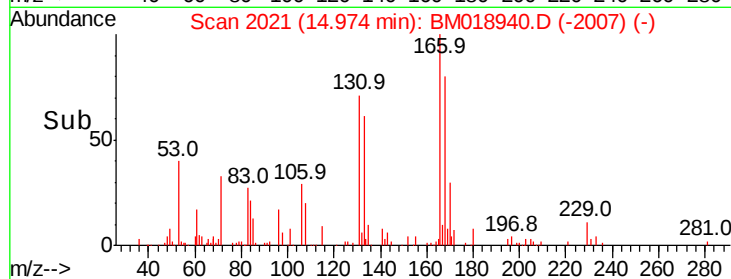
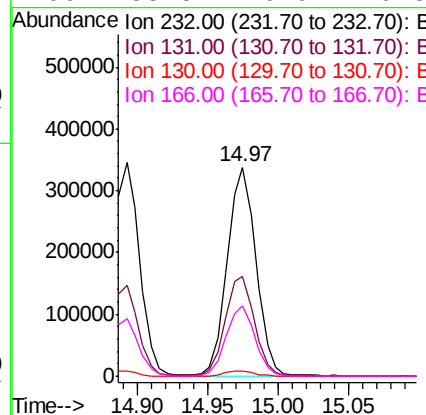
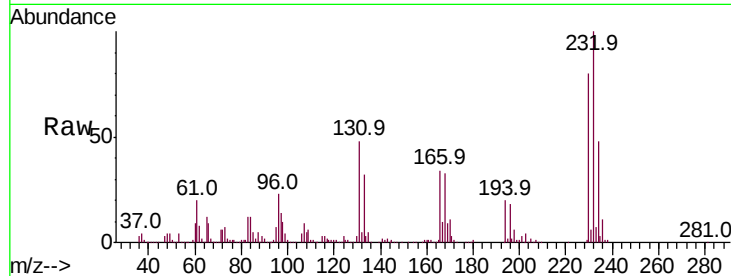
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.148 ng  
 RT: 14.97 min Scan# 2021  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampled :  
 WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 474766 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 48.8  | 38.6  | 57.8   |
| 130       | 2.7   | 2.0   | 3.0    |
| 166       | 33.8  | 26.9  | 40.3   |

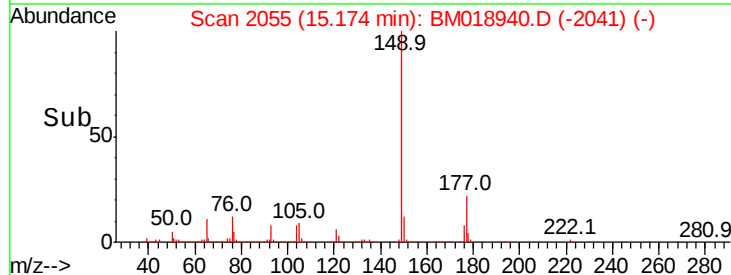
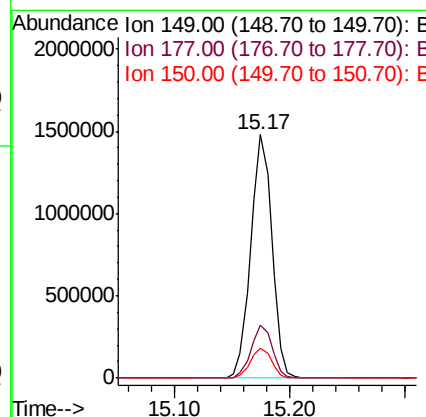
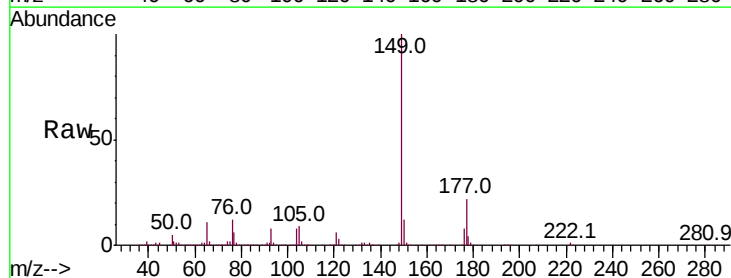
Manual Integrations  
 APPROVED

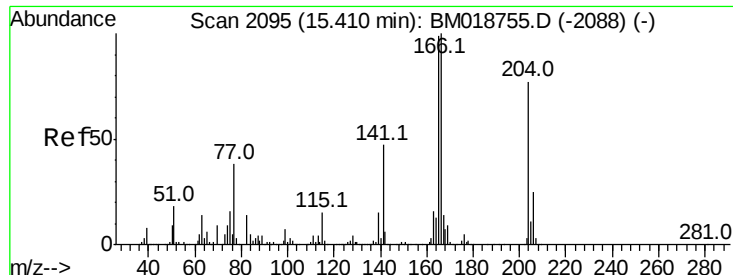
Sohil  
 2/27/2019 4:20:23 PM



#60  
 Diethylphthalate  
 Concen: 44.597 ng  
 RT: 15.17 min Scan# 2055  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1887719 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 21.5  | 17.2  | 25.8    |
| 150       | 12.4  | 10.2  | 15.2    |





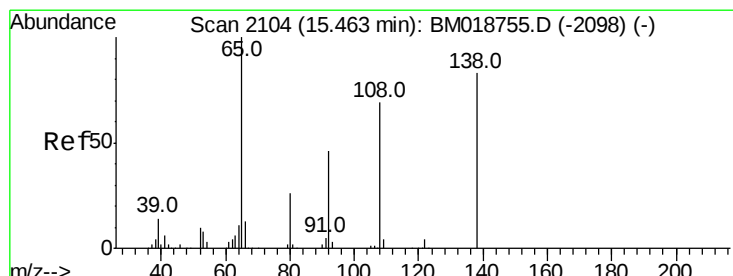
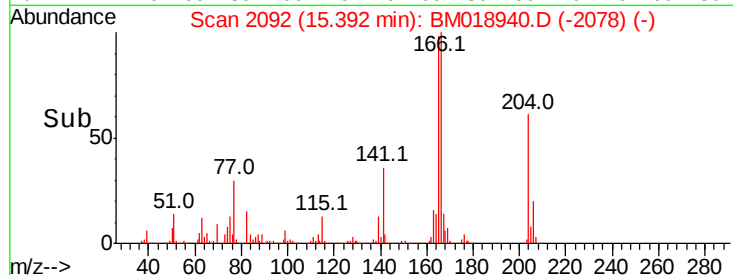
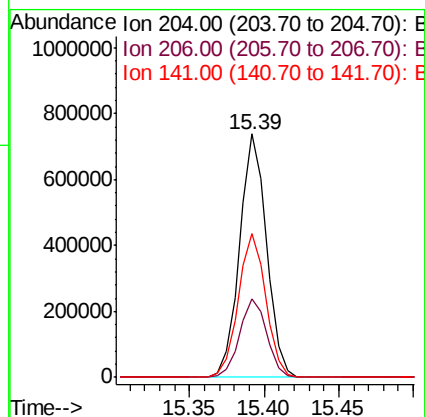
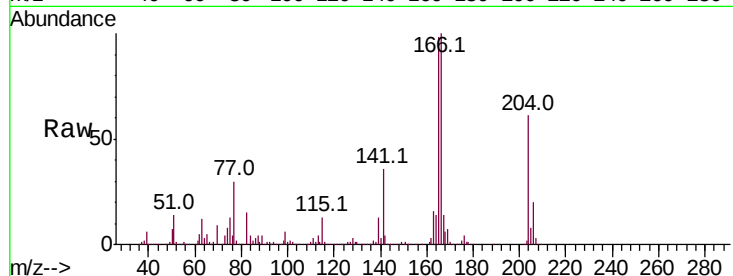
#61  
4-Chlorophenyl-phenylether  
Concen: 43.992 ng  
RT: 15.39 min Scan# 2092  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 26.2  | 39.2  |
| 141     | 59.1  | 49.2  | 73.8  |

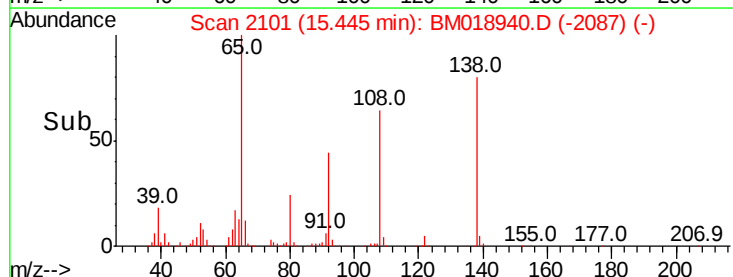
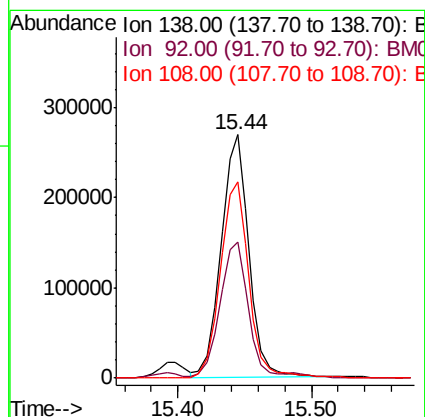
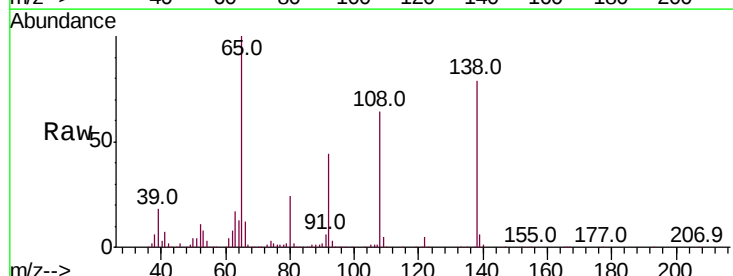
Manual Integrations  
APPROVED

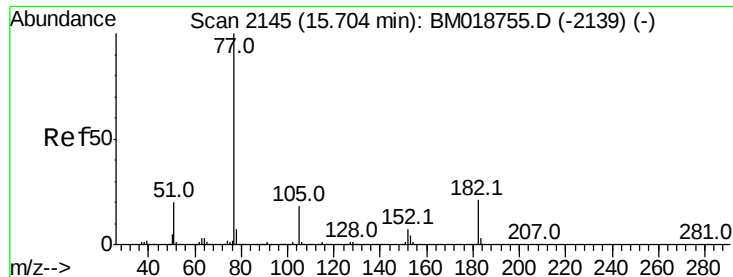
Sohil  
2/27/2019 4:20:23 PM



#62  
4-Nitroaniline  
Concen: 40.019 ng  
RT: 15.44 min Scan# 2101  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 55.8  | 35.5  | 75.5  |
| 108     | 80.6  | 62.4  | 102.4 |





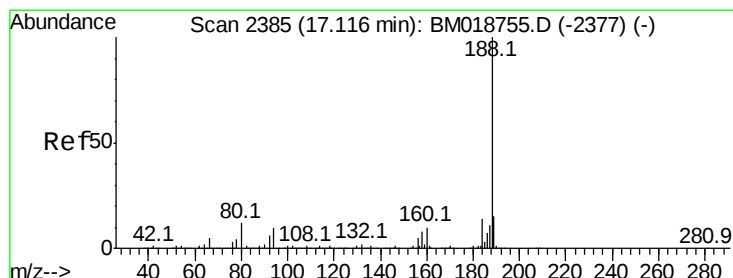
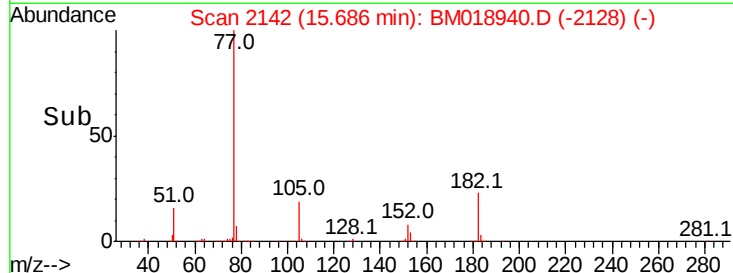
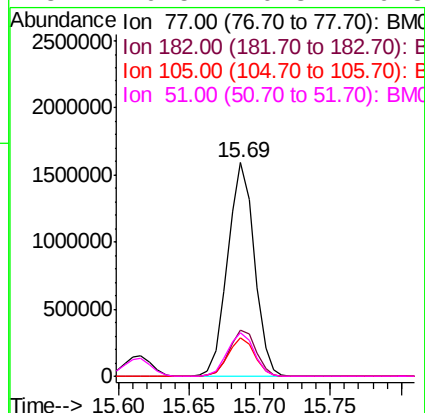
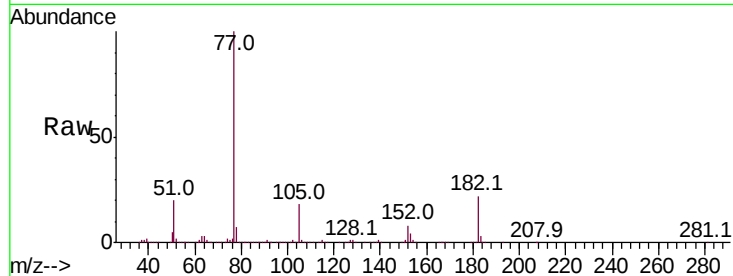
#63  
Azobenzene  
Concen: 46.028 ng  
RT: 15.69 min Scan# 2142  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampled :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 21.6  | 1.0   | 41.0  |
| 105     | 17.7  | 0.0   | 37.7  |
| 51      | 20.5  | 0.3   | 40.3  |

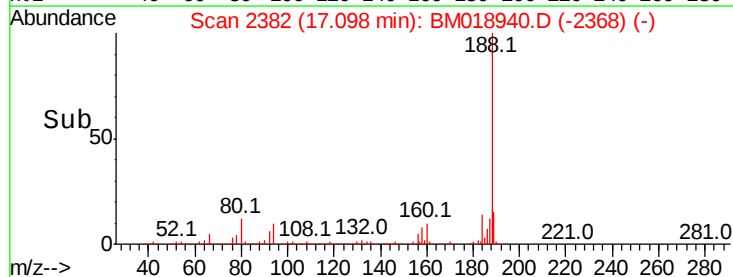
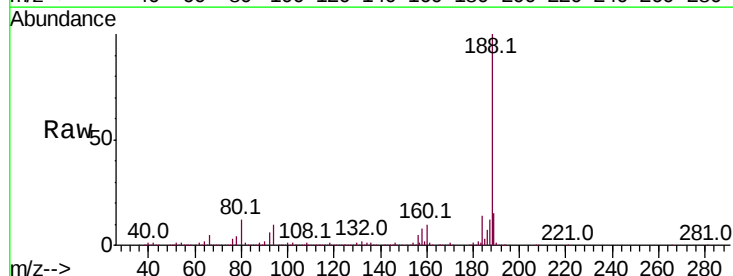
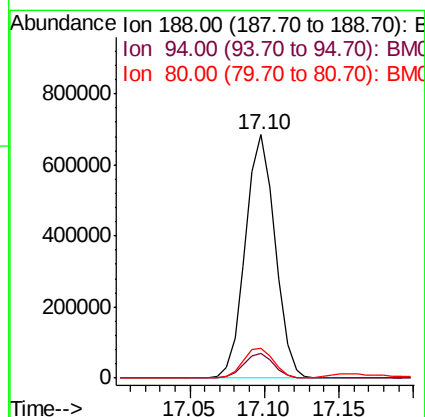
Manual Integrations  
APPROVED

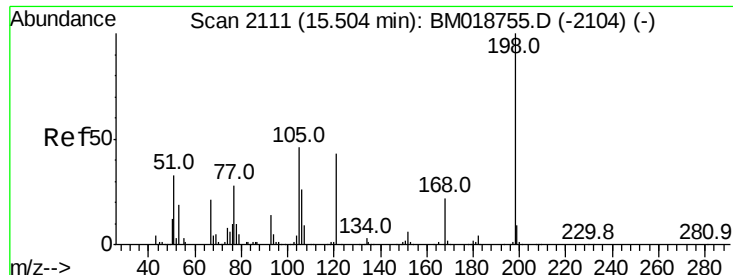
Sohil  
2/27/2019 4:20:23 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.10 min Scan# 2382  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.2  | 8.2   | 12.2  |
| 80      | 12.4  | 9.7   | 14.5  |





#65

4,6-Dinitro-2-methylphenol

Concen: 27.436 ng

RT: 15.49 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

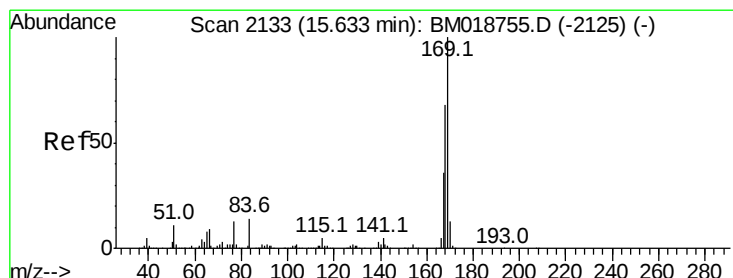
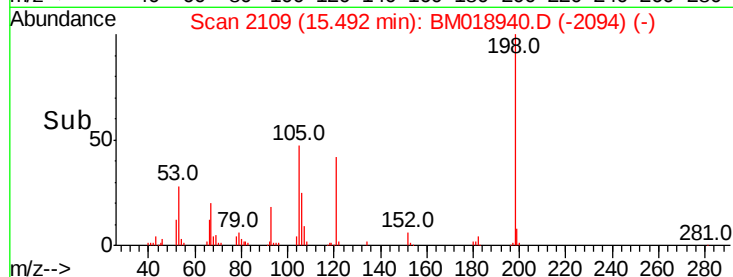
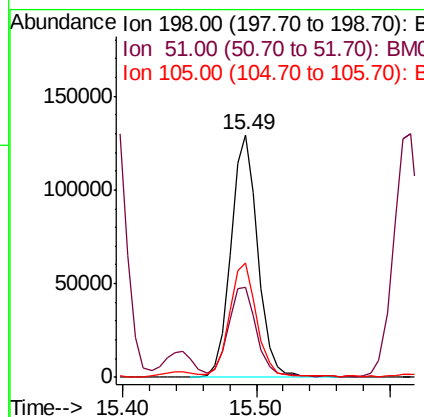
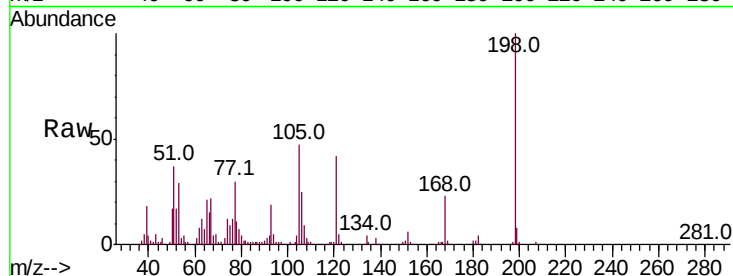
ClientSampleId :

WV-EMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 181865 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 37.3  | 18.4  | 58.4   |
| 105       | 47.0  | 27.2  | 67.2   |

Manual Integrations  
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#66

n-Nitrosodiphenylamine

Concen: 52.851 ng

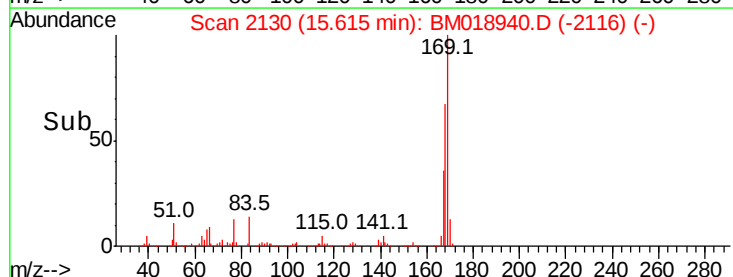
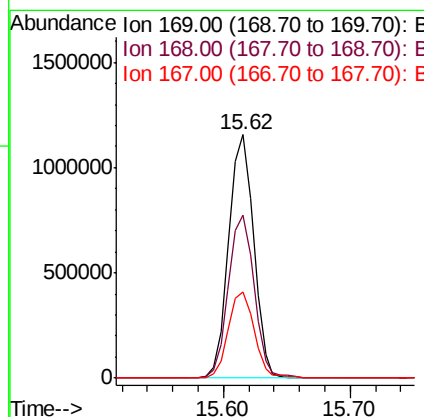
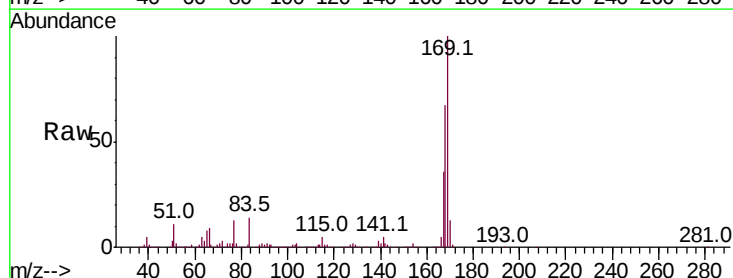
RT: 15.62 min Scan# 2130

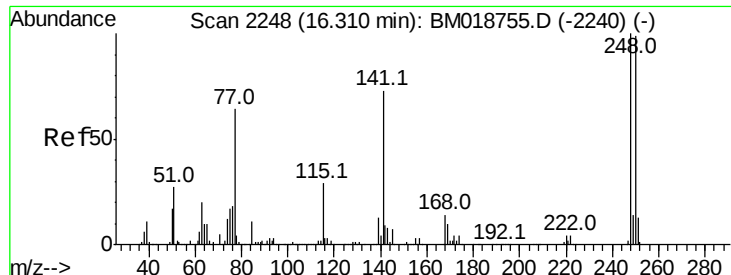
Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 169   | Resp: | 1576435 |
| Ion Ratio | Lower | Upper |         |
| 169       | 100   |       |         |
| 168       | 67.1  | 54.4  | 81.6    |
| 167       | 35.6  | 29.0  | 43.6    |





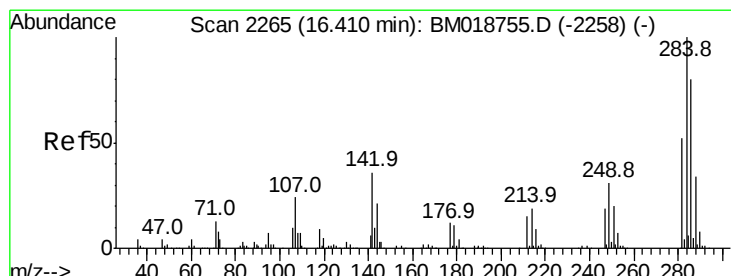
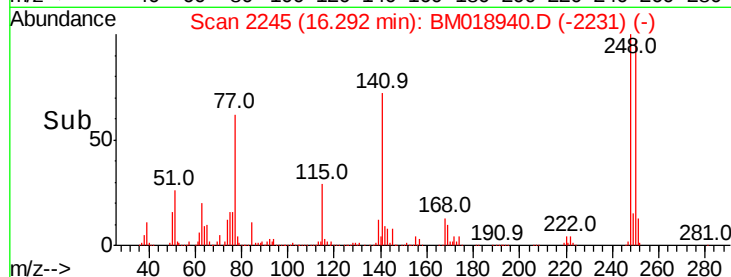
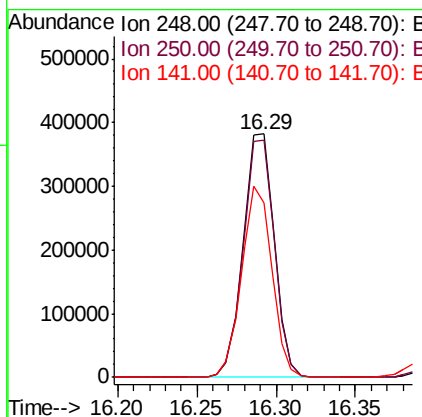
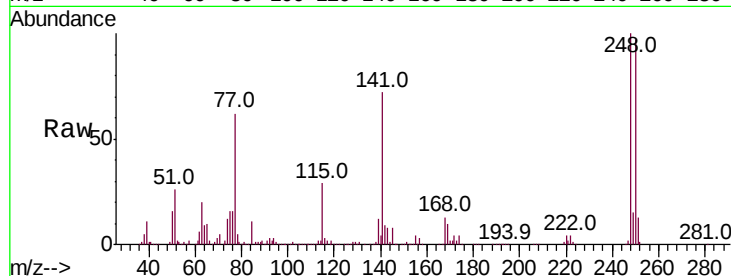
#67  
4-Bromophenyl-phenylether  
Concen: 49.339 ng  
RT: 16.29 min Scan# 2245  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleID :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.4  | 79.0  | 118.6 |
| 141     | 71.7  | 58.6  | 88.0  |

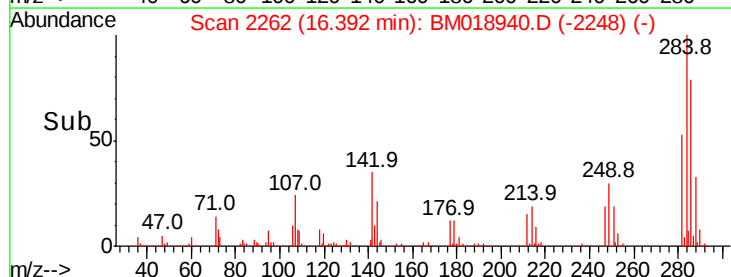
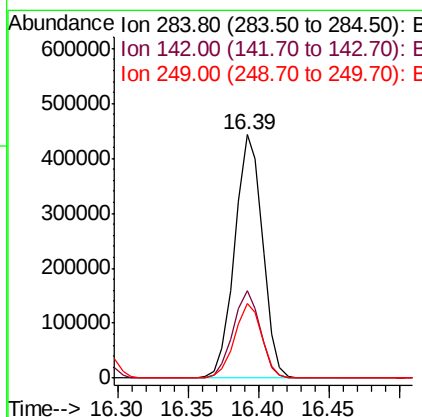
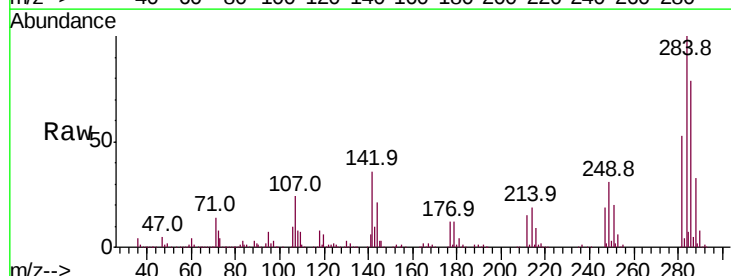
Manual Integrations  
APPROVED

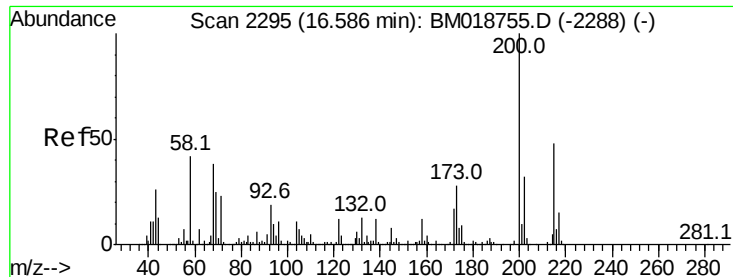
Sohil  
2/27/2019 4:20:23 PM



#68  
Hexachlorobenzene  
Concen: 49.576 ng  
RT: 16.39 min Scan# 2262  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.8  | 28.9  | 43.3  |
| 249     | 30.6  | 24.8  | 37.2  |





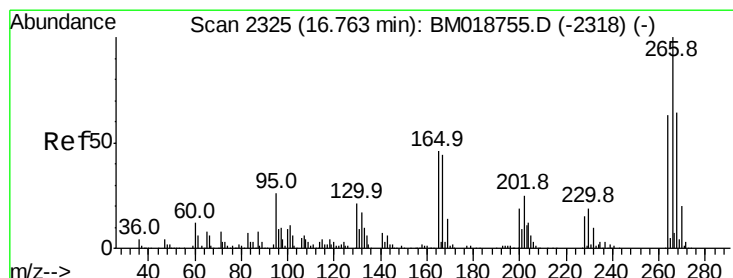
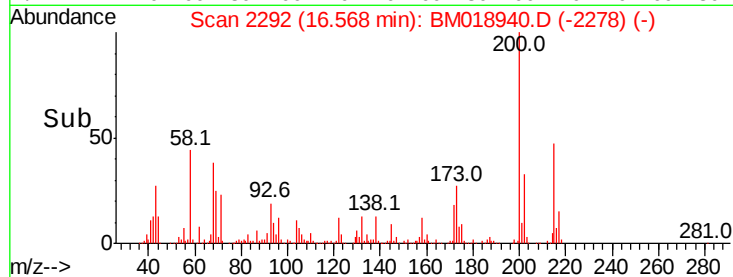
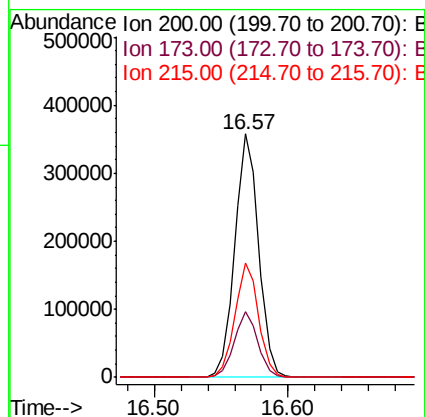
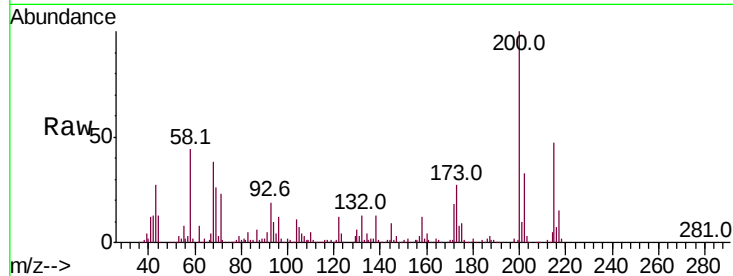
#69  
Atrazine  
Concen: 46.355 ng  
RT: 16.57 min Scan# 2292  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.2  | 7.6   | 47.6  |
| 215     | 46.8  | 27.6  | 67.6  |

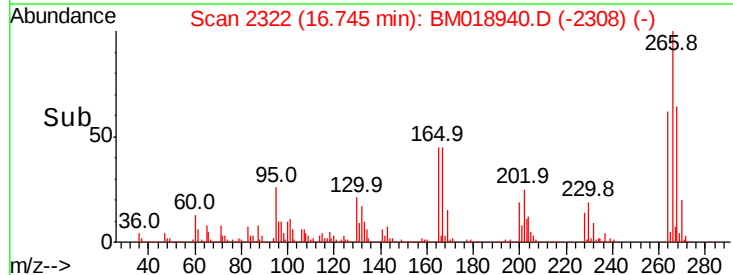
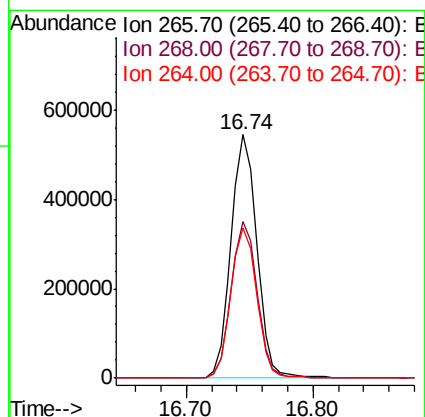
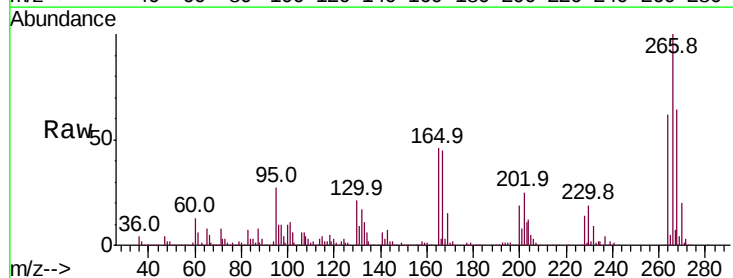
Manual Integrations  
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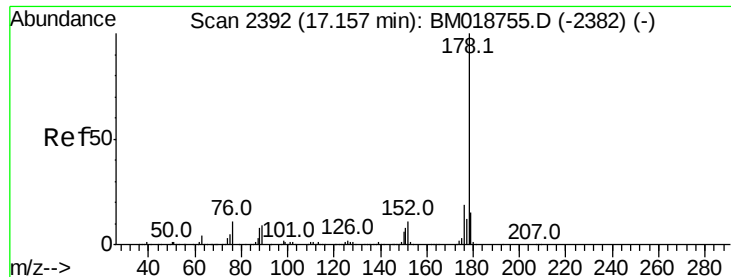
Sohil  
2/27/2019 4:20:23 PM



#70  
Pentachlorophenol  
Concen: 97.297 ng  
RT: 16.74 min Scan# 2322  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.3  | 51.3  | 76.9  |
| 264     | 61.9  | 50.6  | 75.8  |





#71

Phenanthrene

Concen: 56.489 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampled :

WV-EMSD

Tot Ion:178 Resp: 2866117

Ion Ratio Lower Upper

178 100

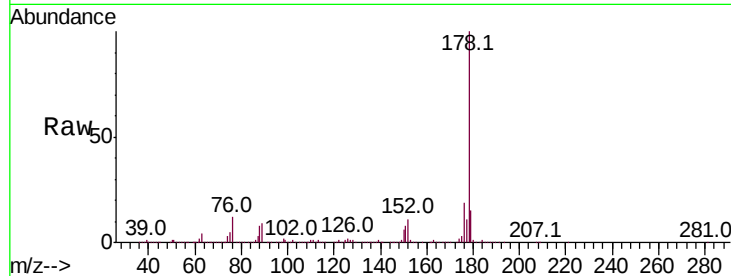
176 19.2 15.4 23.0

179 15.3 12.3 18.5

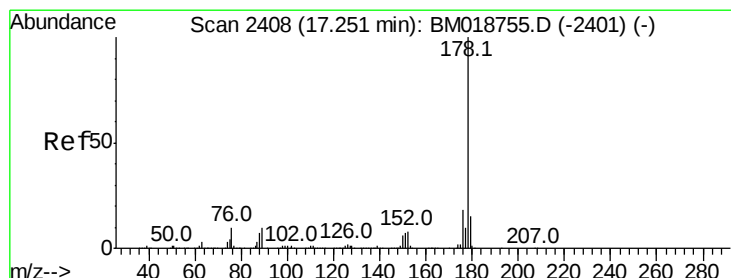
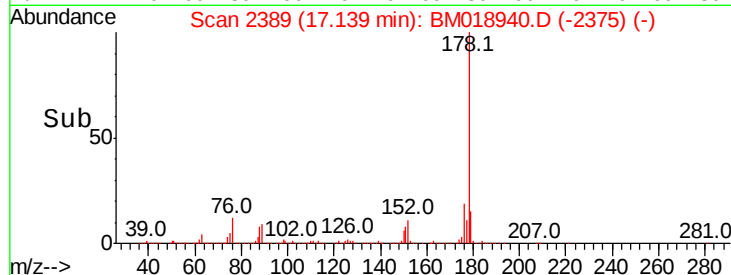
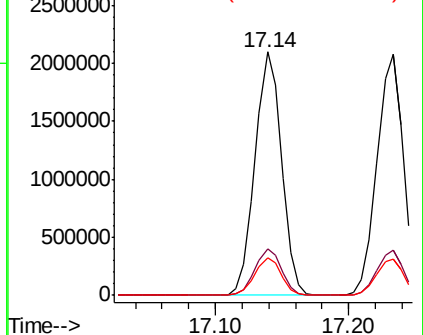
Manual Integrations  
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 57.237 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

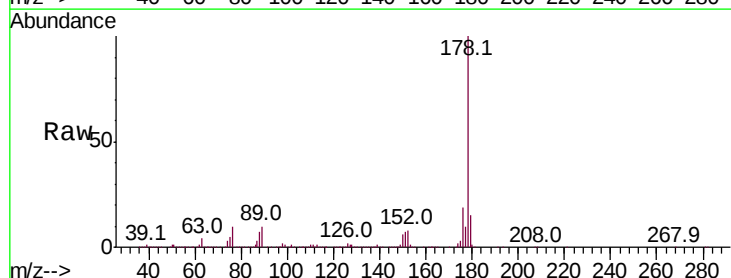
Tgt Ion:178 Resp: 2826586

Ion Ratio Lower Upper

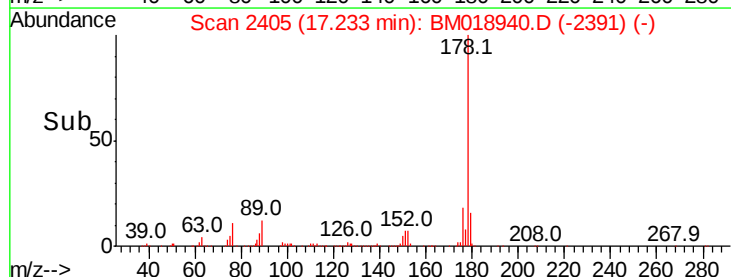
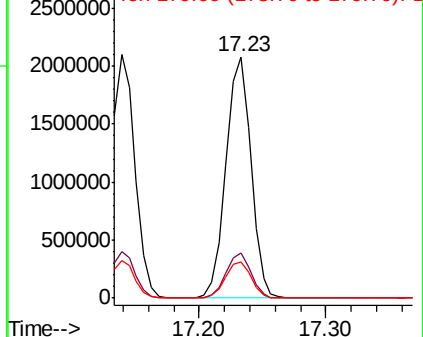
178 100

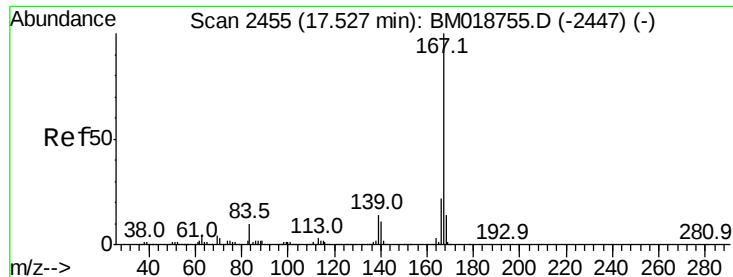
176 18.6 14.8 22.2

179 15.3 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





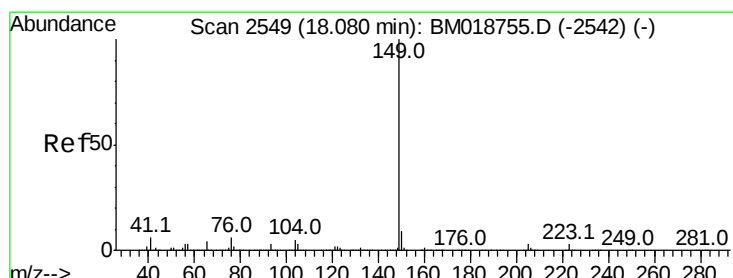
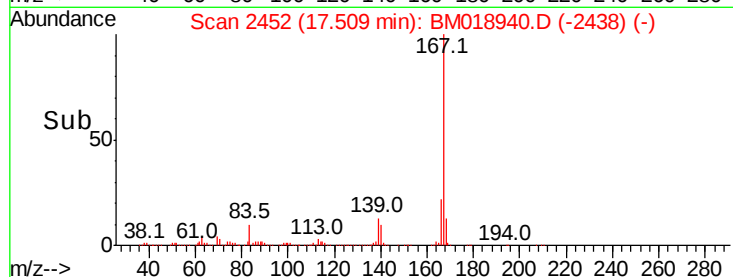
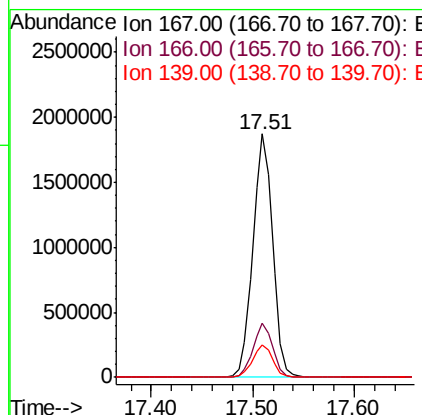
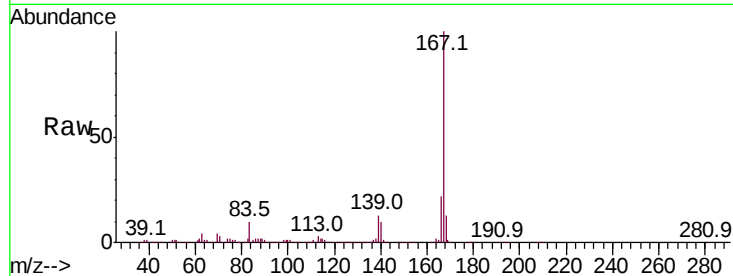
#73  
 Carbazole  
 Concen: 49.184 ng  
 RT: 17.51 min Scan# 2452  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleID :  
 WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.7  | 26.5  |
| 139     | 13.1  | 10.9  | 16.3  |

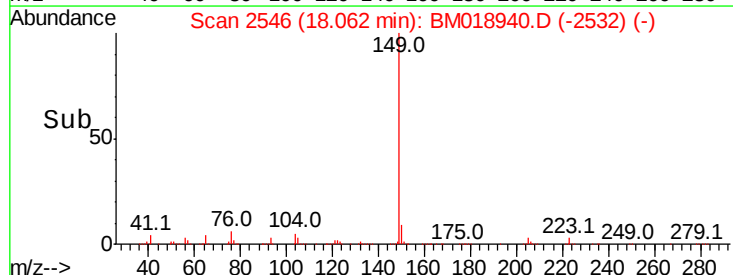
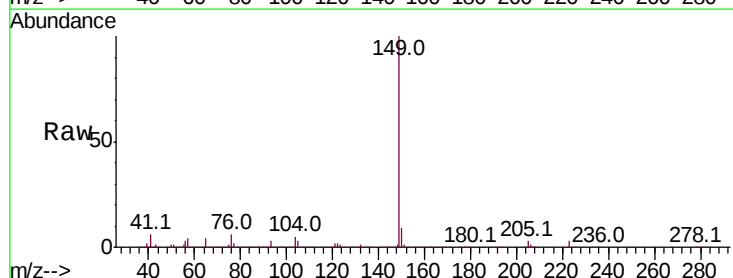
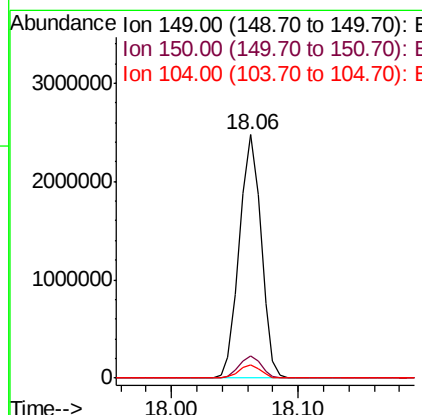
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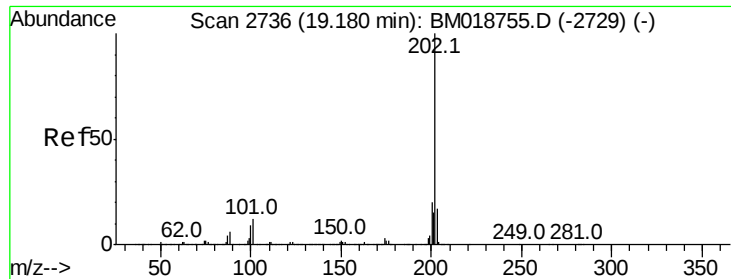
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#74  
 Di-n-butylphthalate  
 Concen: 49.303 ng  
 RT: 18.06 min Scan# 2546  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.4   | 11.0  |
| 104     | 5.4   | 4.3   | 6.5   |





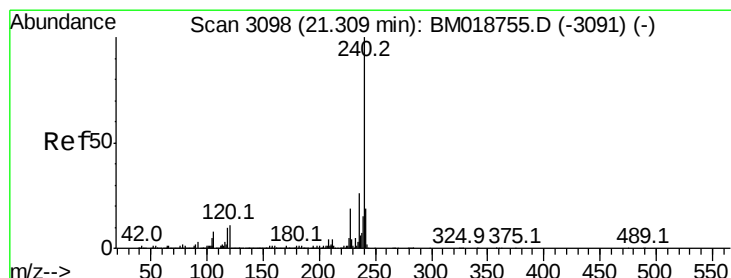
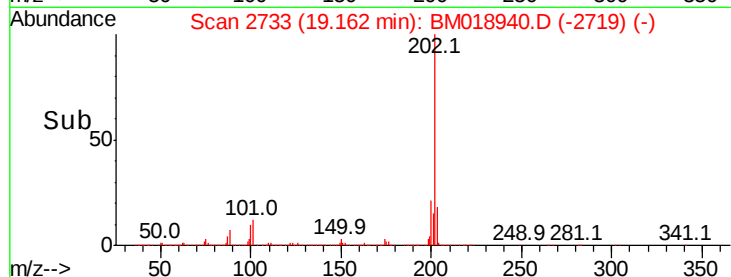
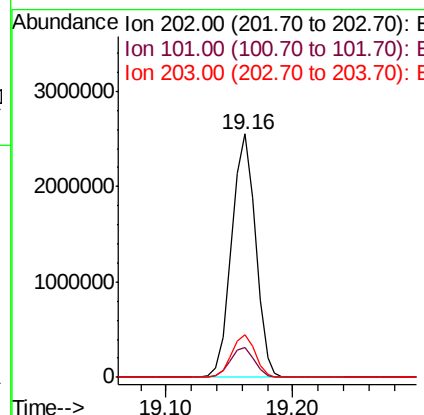
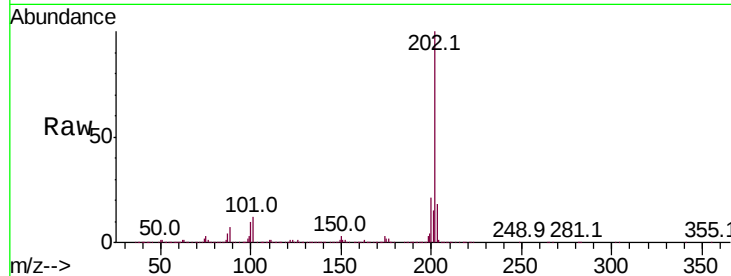
#75  
**Fluoranthene**  
 Concen: 56.536 ng  
 RT: 19.16 min Scan# 2733  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 0.0   | 31.5  |
| 203     | 17.6  | 0.0   | 37.3  |

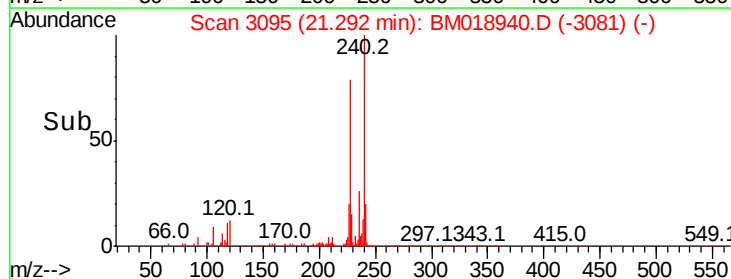
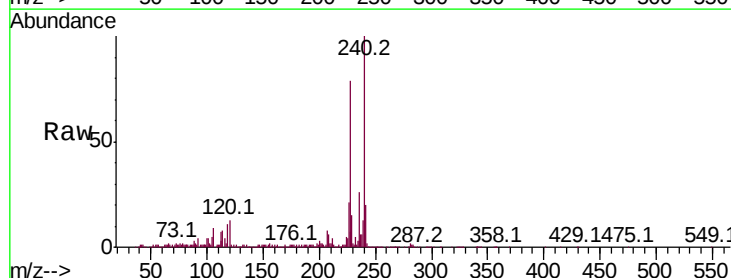
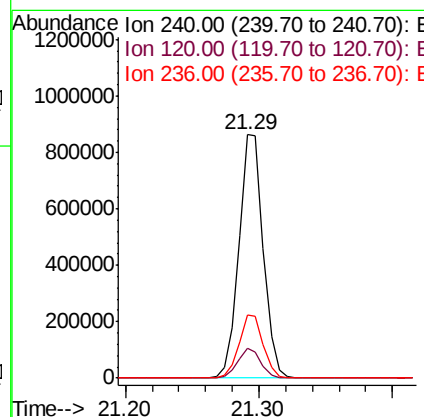
Manual Integrations  
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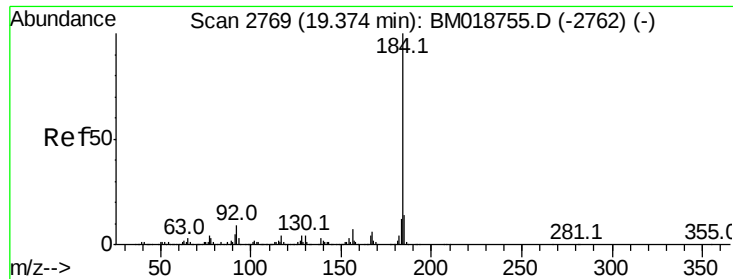
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#76  
**Chrysene-d12**  
 Concen: 20.000 ng  
 RT: 21.29 min Scan# 3095  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 8.9   | 13.3  |
| 236     | 26.1  | 20.9  | 31.3  |





#77

Benzidine

Concen: 86.053 ng

RT: 19.36 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion:184 Resp: 2121007

Ion Ratio Lower Upper

184 100

185 14.1 11.2 16.8

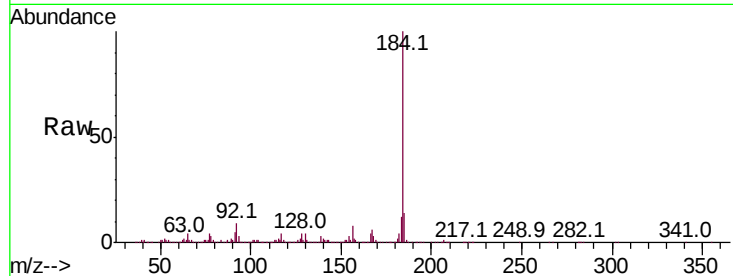
183 12.3 9.7 14.5

Manual Integrations

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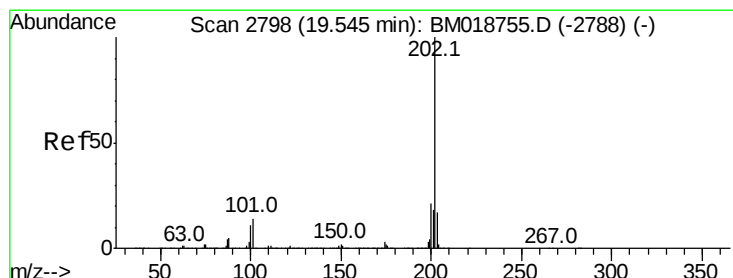
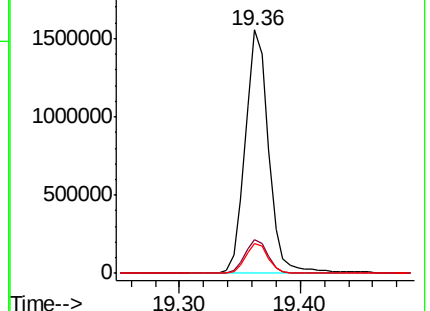
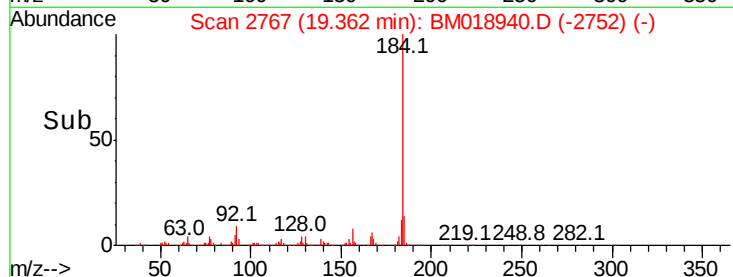
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 54.002 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

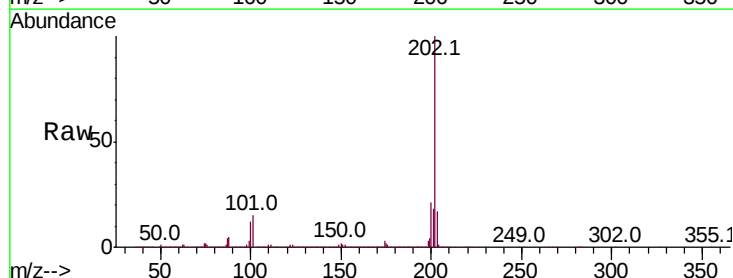
Tgt Ion:202 Resp: 3432470

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

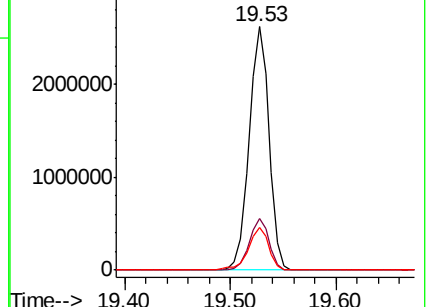
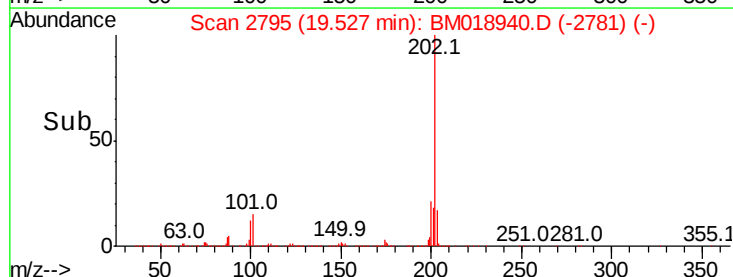
203 17.5 13.8 20.8

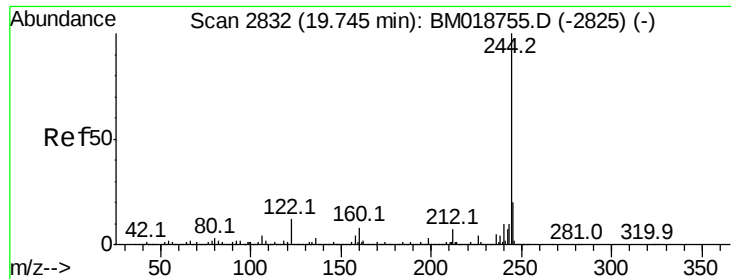


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.089 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion:244 Resp: 3028689

Ion Ratio Lower Upper

244 100

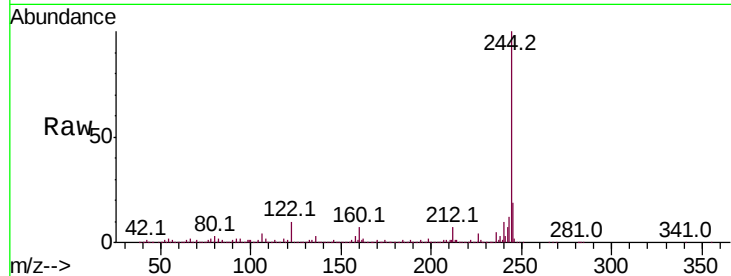
212 6.7 5.6 8.4

122 10.3 9.3 13.9

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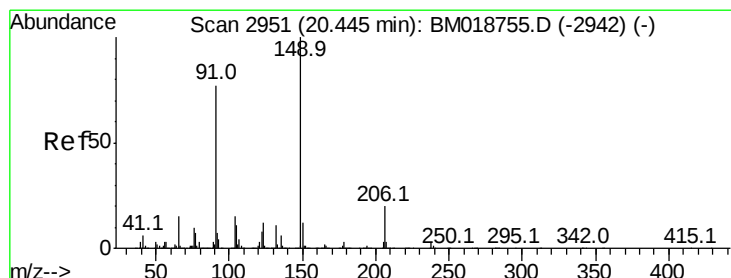
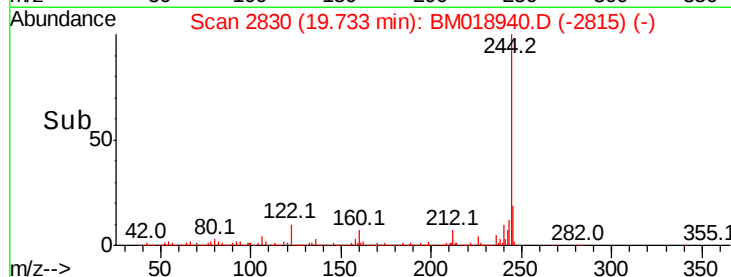
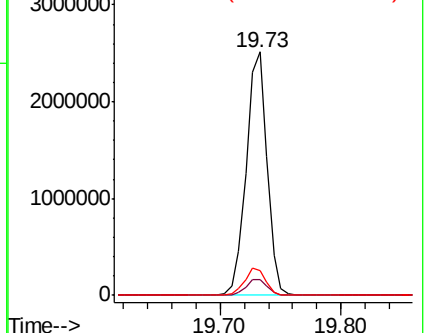
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.336 ng

RT: 20.43 min Scan# 2948

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

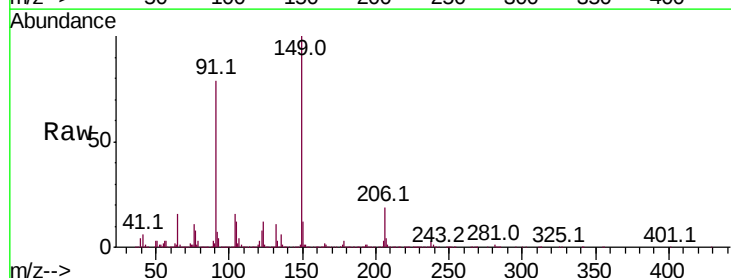
Tgt Ion:149 Resp: 1487091

Ion Ratio Lower Upper

149 100

91 79.2 61.4 92.0

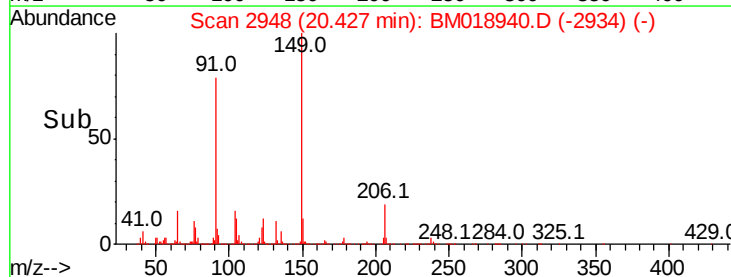
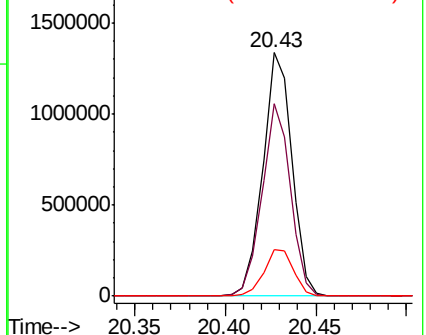
206 19.1 15.8 23.8

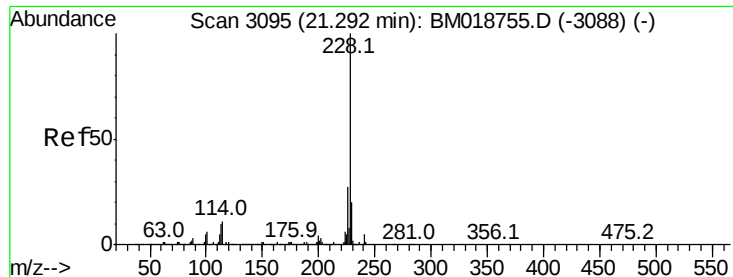


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 54.730 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

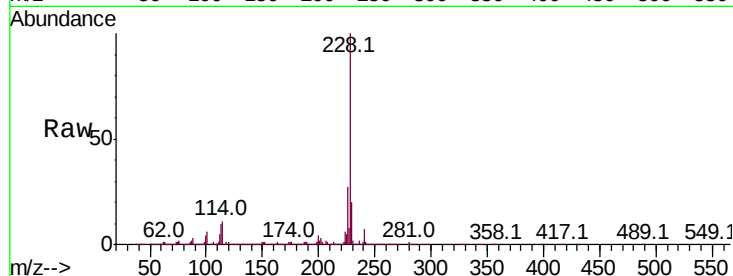
ClientSampleId :

WV-EMSD

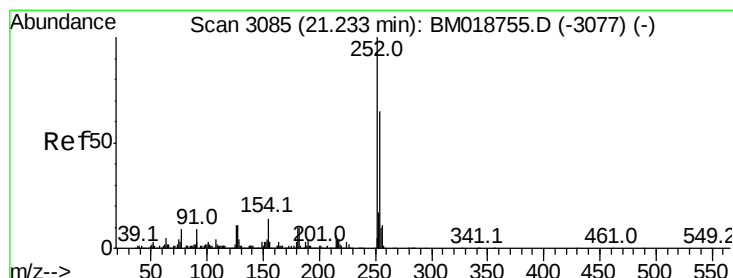
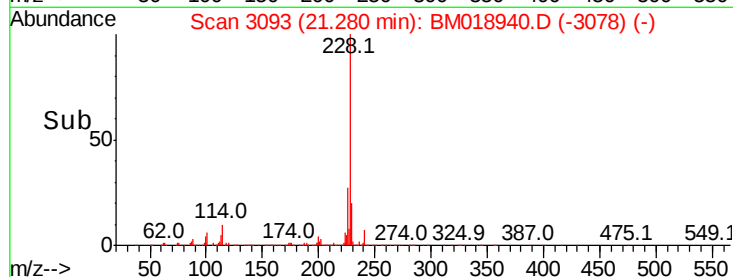
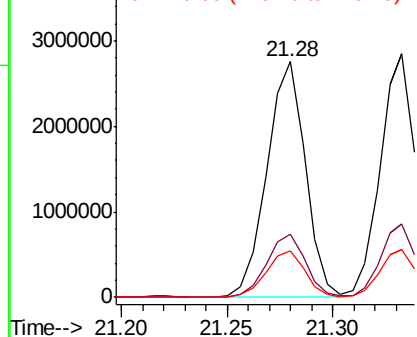
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 228   | Resp: | 3491525 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 26.9  | 21.9  | 32.9    |
| 229      | 19.8  | 15.9  | 23.9    |

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



#82

3,3'-Dichlorobenzidine

Concen: 48.319 ng

RT: 21.22 min Scan# 3082

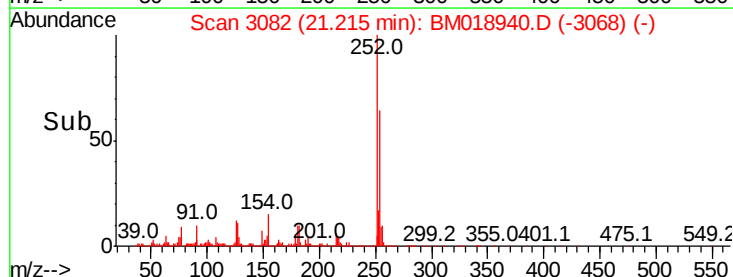
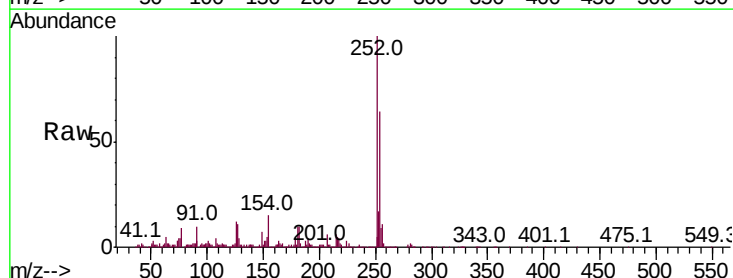
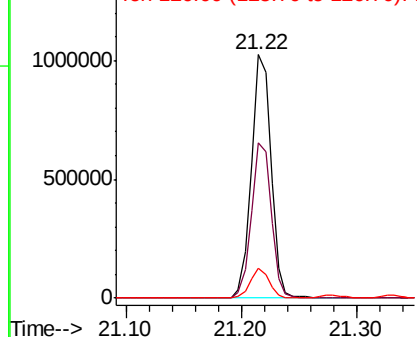
Delta R.T. -0.02 min

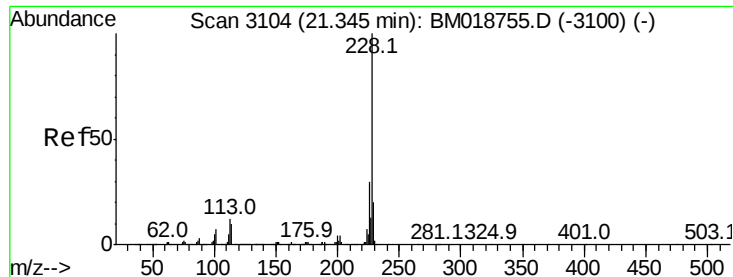
Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 252   | Resp: | 1218253 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 254      | 63.6  | 51.8  | 77.8    |
| 126      | 12.0  | 9.1   | 13.7    |

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





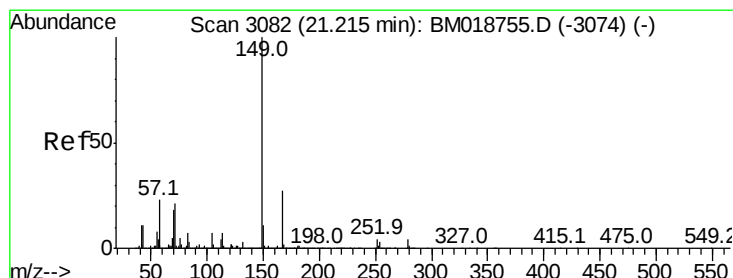
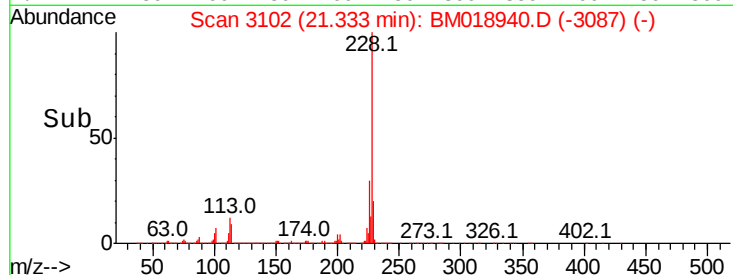
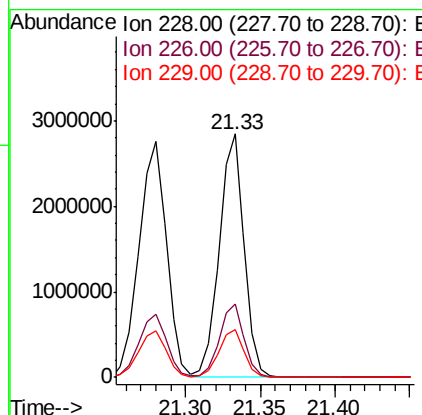
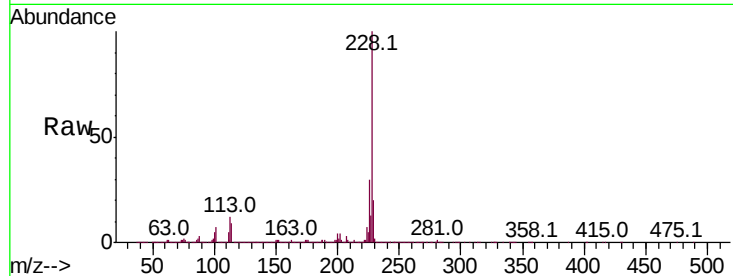
#83  
 Chrysene  
 Concen: 54.152 ng  
 RT: 21.33 min Scan# 3102  
 Delta R.T. -0.01 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-EMSD

Tot Ion:228 Resp: 3311223  
 Ion Ratio Lower Upper  
 228 100  
 226 30.0 24.1 36.1  
 229 19.9 16.0 24.0

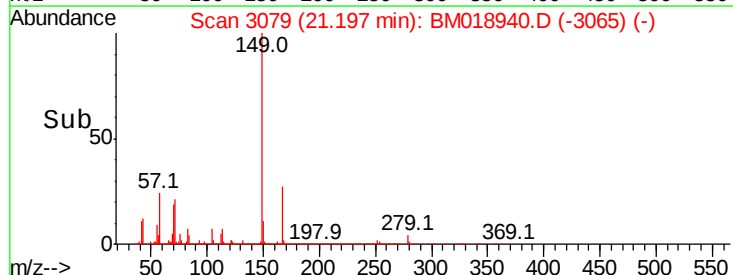
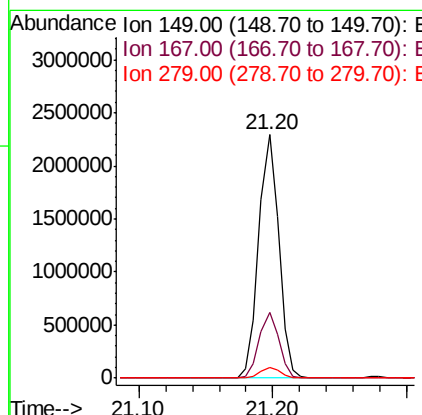
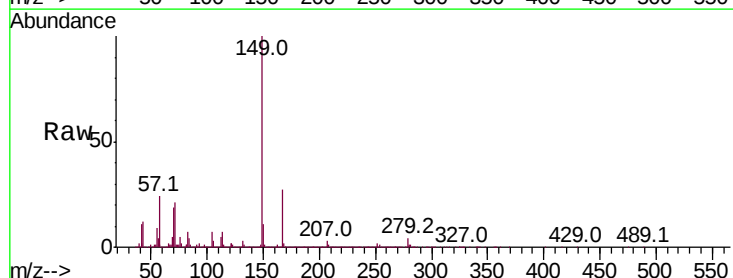
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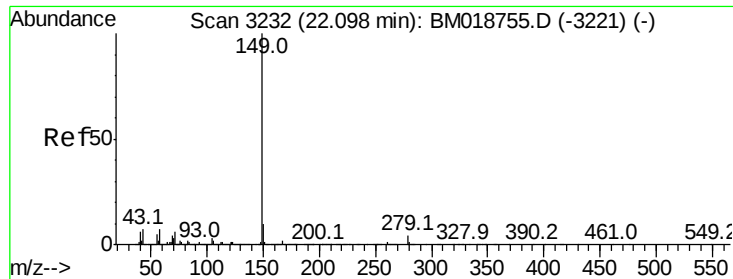
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 55.703 ng  
 RT: 21.20 min Scan# 3079  
 Delta R.T. -0.02 min  
 Lab File: BM018940.D  
 Acq: 26 Feb 2019 21:37

Tgt Ion:149 Resp: 2361680  
 Ion Ratio Lower Upper  
 149 100  
 167 26.8 21.8 32.6  
 279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 54.914 ng

RT: 22.08 min Scan# 3229

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion:149 Resp: 3913098

Ion Ratio Lower Upper

149 100

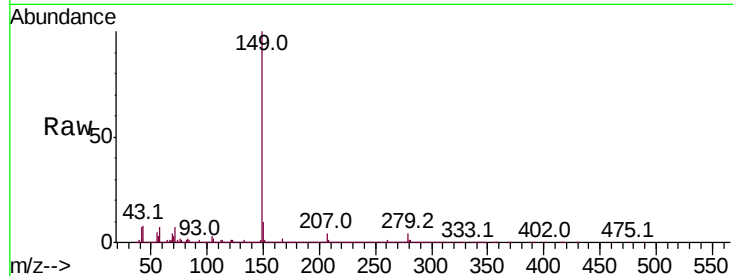
167 1.6 1.3 1.9

43 7.7 6.0 9.0

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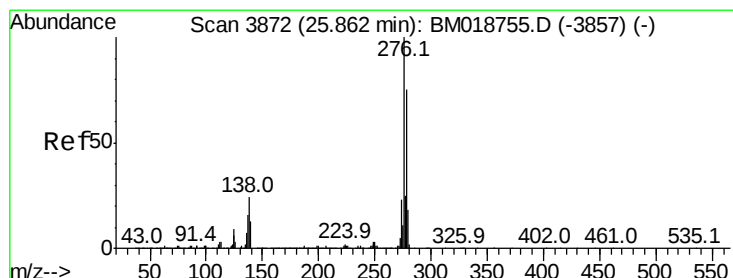
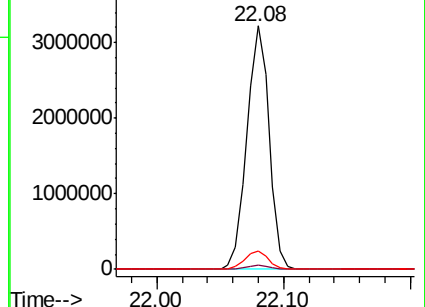
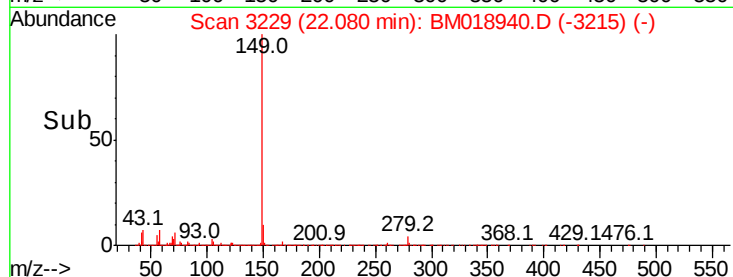
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 66.227 ng

RT: 25.83 min Scan# 3867

Delta R.T. -0.03 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

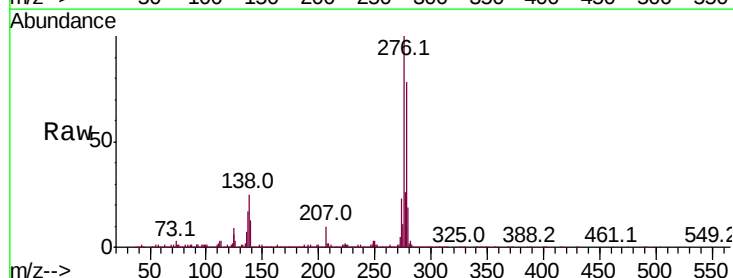
Tgt Ion:276 Resp: 4675445

Ion Ratio Lower Upper

276 100

138 24.7 20.2 30.4

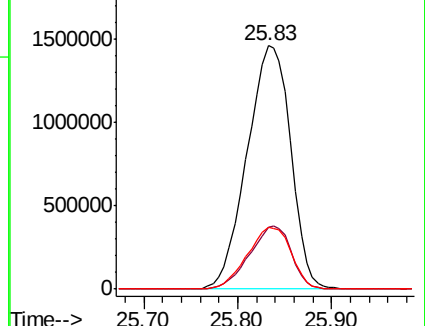
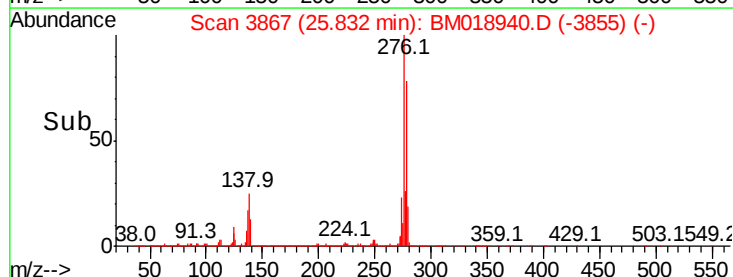
277 25.4 20.3 30.5

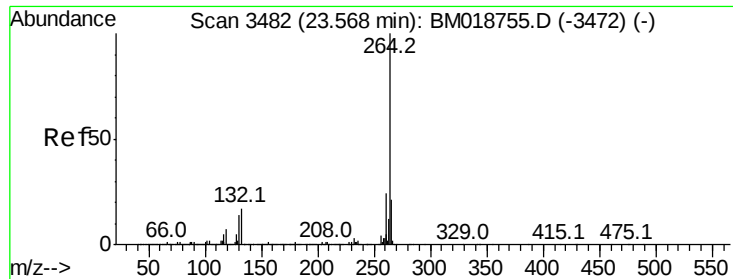


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-EMSD

Tot Ion:264 Resp: 1223721

Ion Ratio Lower Upper

264 100

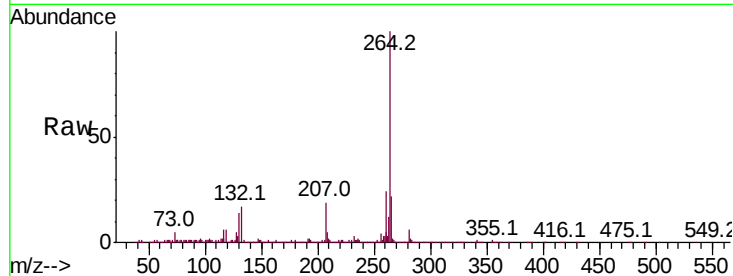
260 23.5 18.9 28.3

265 22.4 17.3 25.9

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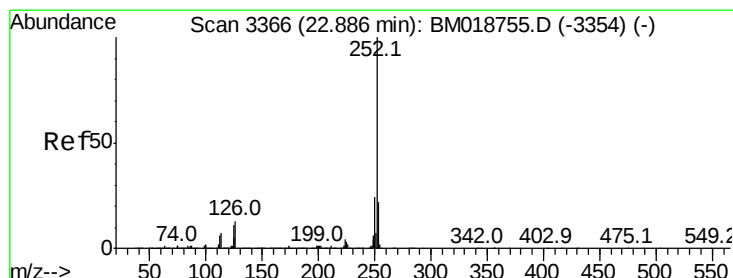
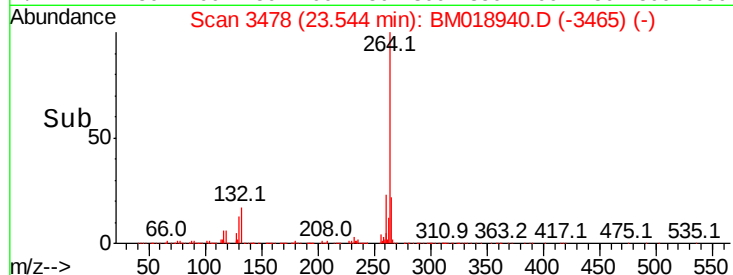
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

23.54

Time-->



#88

Benzo(b)fluoranthene

Concen: 55.679 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.02 min

Lab File: BM018940.D

Acq: 26 Feb 2019 21:37

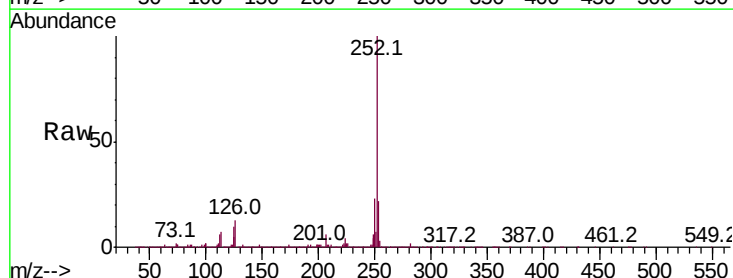
Tgt Ion:252 Resp: 3898307

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.0 8.6 12.8



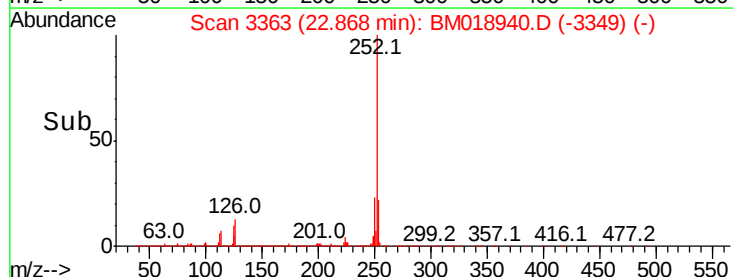
Abundance Ion 252.00 (251.70 to 252.70): E

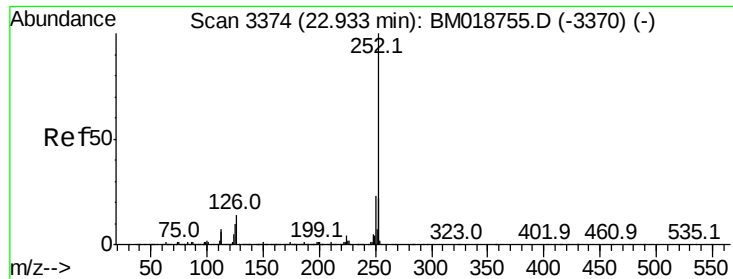
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.87

Time-->





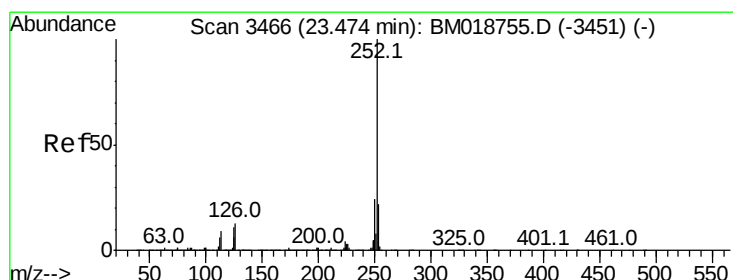
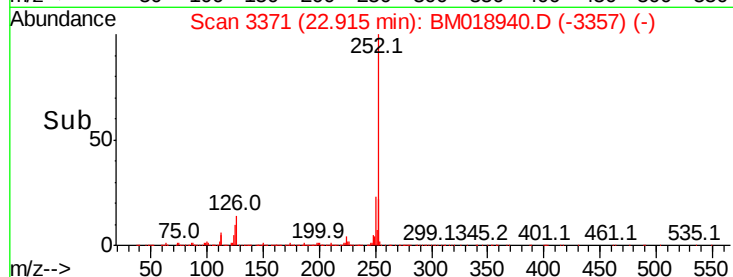
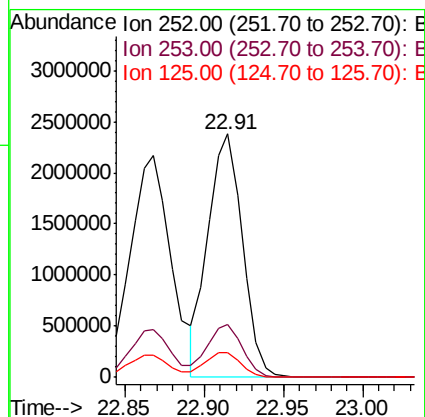
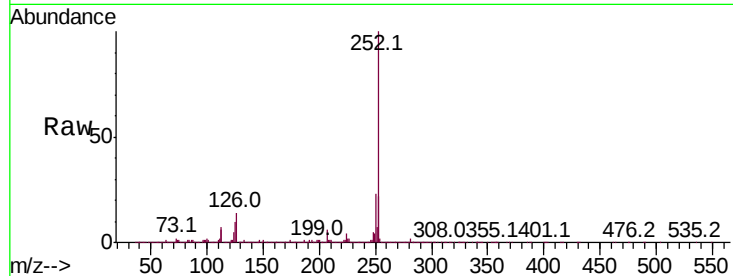
#89  
Benzo(k)fluoranthene  
Concen: 51.515 ng  
RT: 22.91 min Scan# 3371  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.7  | 26.5  |
| 125     | 10.3  | 8.2   | 12.4  |

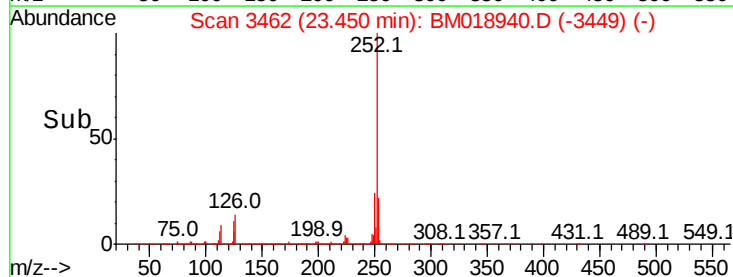
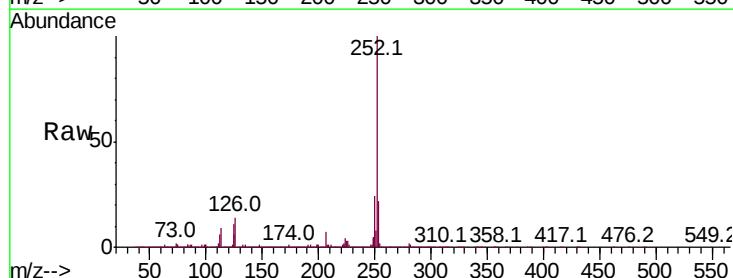
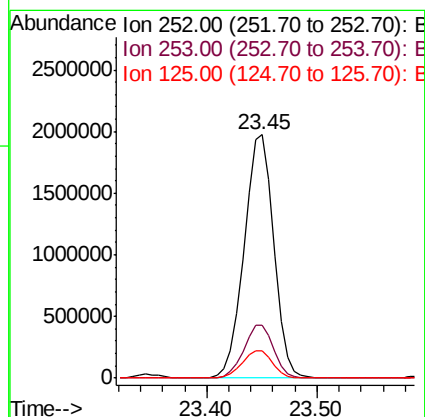
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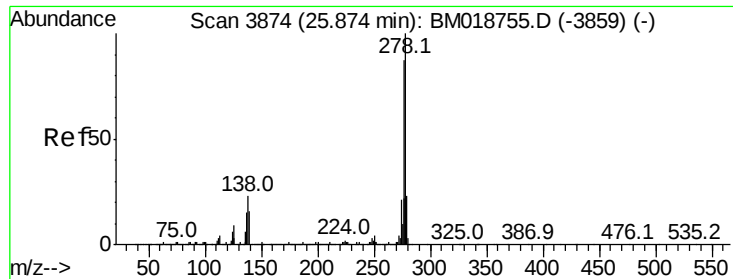
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#90  
Benzo(a)pyrene  
Concen: 56.084 ng  
RT: 23.45 min Scan# 3462  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.4  | 26.0  |
| 125     | 11.0  | 8.6   | 13.0  |





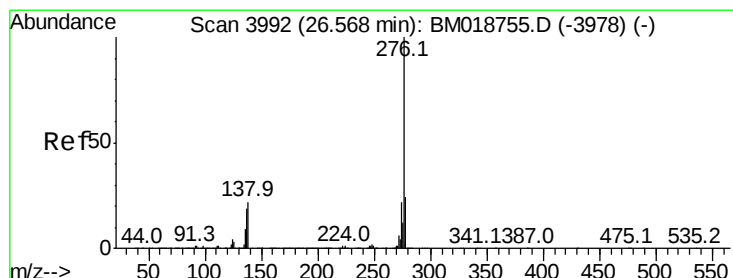
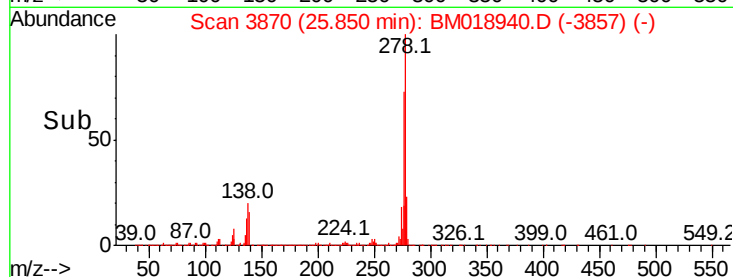
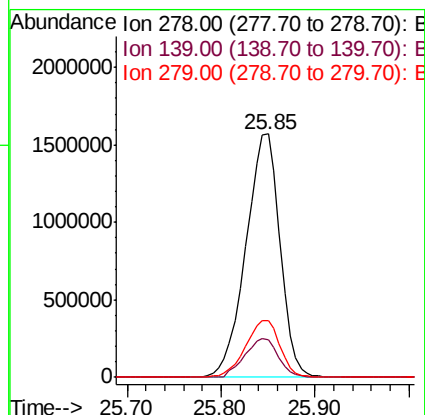
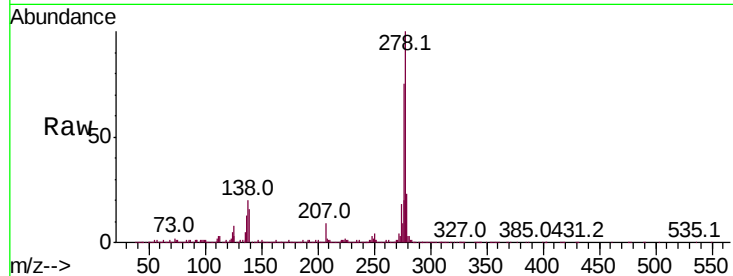
#91  
Dibenzo(a,h)anthracene  
Concen: 59.969 ng  
RT: 25.85 min Scan# 3870  
Delta R.T. -0.02 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-EMSD

Tot Ion:278 Resp: 3940681  
Ion Ratio Lower Upper  
278 100  
139 15.5 12.6 18.8  
279 23.4 18.6 28.0

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 62.627 ng  
RT: 26.54 min Scan# 3987  
Delta R.T. -0.03 min  
Lab File: BM018940.D  
Acq: 26 Feb 2019 21:37

Tgt Ion:276 Resp: 3831247  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.2 28.8  
138 20.8 17.3 25.9

