

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050319\  
 Data File : BM020114.D  
 Acq On : 03 May 2019 16:28  
 Operator : JU/SJ  
 Sample : K2668-03MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 11:59:08 PM

Quant Time: May 04 06:00:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 140163   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.58 | 136  | 500739   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.43 | 164  | 299238   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.17 | 188  | 660790   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.36 | 240  | 602872   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.64 | 264  | 692645   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 1160830 | 135.38 | ng | 0.00  |
| 7) Phenol-d6             | 6.95  | 99  | 1584315 | 135.25 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.95  | 82  | 1117620 | 88.12  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 15.92 | 330 | 639967  | 137.78 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.05 | 172 | 2066251 | 84.96  | ng | 0.00  |
| 79) Terphenyl-d14        | 19.80 | 244 | 2963853 | 85.75  | ng | -0.01 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.31  | 88  | 160574  | 38.182 | ng | 94     |
| 3) Pyridine                    | 3.70  | 79  | 162155  | 15.076 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.62  | 42  | 156668  | 45.424 | ng | 82     |
| 6) Aniline                     | 7.12  | 93  | 489252  | 33.178 | ng | 99     |
| 8) 2-Chlorophenol              | 7.35  | 128 | 425589  | 45.583 | ng | 100    |
| 9) Benzaldehyde                | 6.93  | 77  | 347692  | 39.215 | ng | 97     |
| 10) Phenol                     | 6.98  | 94  | 580197  | 46.008 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 419741  | 45.794 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.67  | 146 | 475632  | 43.784 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.82  | 146 | 484095  | 44.113 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.13  | 146 | 467925  | 44.756 | ng | 99     |
| 15) Benzyl Alcohol             | 8.03  | 79  | 491318  | 43.496 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.31  | 45  | 315979  | 41.574 | ng | 98     |
| 17) 2-Methylphenol             | 8.22  | 107 | 366307  | 45.122 | ng | 97     |
| 18) Hexachloroethane           | 8.86  | 117 | 197011  | 43.056 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.59  | 70  | 428836  | 42.788 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.55  | 107 | 482158  | 44.689 | ng | 98     |
| 22) Acetophenone               | 8.61  | 105 | 685315  | 50.077 | ng | 97     |
| 24) Nitrobenzene               | 8.99  | 77  | 615368  | 46.794 | ng | 97     |
| 25) Isophorone                 | 9.51  | 82  | 1022123 | 46.732 | ng | 99     |
| 26) 2-Nitrophenol              | 9.70  | 139 | 212558  | 53.539 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.75  | 122 | 365011  | 55.224 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93  | 563821  | 47.331 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.22 | 162 | 417191  | 50.055 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.44 | 180 | 504929  | 49.236 | ng | 98     |
| 31) Naphthalene                | 10.63 | 128 | 1233438 | 47.467 | ng | 99     |
| 32) Benzoic acid               | 9.86  | 122 | 153061  | 34.675 | ng | 94     |
| 33) 4-Chloroaniline            | 10.75 | 127 | 178674  | 16.706 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.90 | 225 | 344363  | 47.468 | ng | 98     |
| 35) Caprolactam                | 11.53 | 113 | 106645m | 42.792 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.86 | 107 | 452259  | 46.175 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.25 | 142 | 911616  | 48.121 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.46 | 142 | 855740  | 46.194 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216 | 588659  | 50.281 | ng | 99     |

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 Sample : K2668-03MSD  
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

Manual Integrations  
 APPROVED

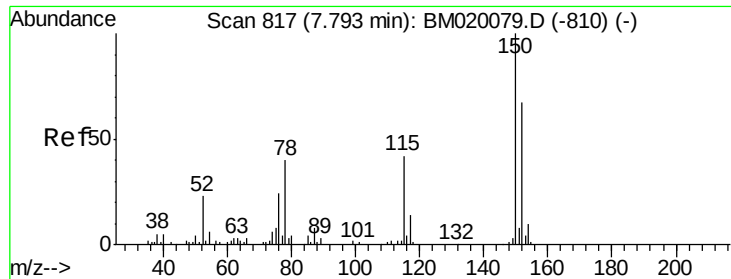
mohammad  
 5/7/2019 11:59:08 PM

Quant Time: May 04 06:00:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.58 | 237  | 866705   | 125.731 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.85 | 196  | 361904   | 54.392  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.92 | 196  | 383759   | 51.629  | nq    | 96       |
| 46) 1,1'-Biphenyl              | 13.26 | 154  | 1179262  | 47.879  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.30 | 162  | 948371   | 48.226  | nq    | 99       |
| 48) 2-Nitroaniline             | 13.52 | 65   | 318107   | 45.437  | nq    | 93       |
| 49) Acenaphthylene             | 14.15 | 152  | 1425741  | 45.302  | nq    | 99       |
| 50) Dimethylphthalate          | 13.89 | 163  | 1417736  | 55.744  | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.02 | 165  | 245807   | 45.888  | nq    | 96       |
| 52) Acenaphthene               | 14.49 | 154  | 838701   | 46.471  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.34 | 138  | 148509   | 29.871  | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 14.54 | 184  | 276933   | 100.753 | nq    | 97       |
| 55) Dibenzofuran               | 14.83 | 168  | 1391845  | 45.720  | nq    | 99       |
| 56) 4-Nitrophenol              | 14.64 | 139  | 385712   | 90.930  | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.80 | 165  | 336136   | 46.180  | nq    | 96       |
| 58) Fluorene                   | 15.48 | 166  | 1112254  | 44.487  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.05 | 232  | 357352   | 50.591  | nq    | 97       |
| 60) Diethylphthalate           | 15.26 | 149  | 1142190  | 44.576  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.47 | 204  | 651600   | 45.997  | nq    | 97       |
| 62) 4-Nitroaniline             | 15.51 | 138  | 223043   | 40.652  | nq    | 96       |
| 63) Azobenzene                 | 15.77 | 77   | 1296007  | 42.874  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 174669   | 51.734  | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.69 | 169  | 981388   | 50.472  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.37 | 248  | 396112   | 48.885  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.47 | 284  | 444384   | 47.658  | nq    | 98       |
| 69) Atrazine                   | 16.64 | 200  | 356831   | 46.960  | nq    | 99       |
| 70) Pentachlorophenol          | 16.82 | 266  | 561387   | 105.225 | nq    | 98       |
| 71) Phenanthrene               | 17.22 | 178  | 1670877  | 45.807  | nq    | 99       |
| 72) Anthracene                 | 17.31 | 178  | 1726949  | 47.353  | nq    | 99       |
| 73) Carbazole                  | 17.58 | 167  | 1475520  | 44.839  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.14 | 149  | 1816655  | 45.873  | nq    | 98       |
| 75) Fluoranthene               | 19.23 | 202  | 1967260  | 42.626  | nq    | 100      |
| 77) Benzidine                  | 19.43 | 184  | 348739   | 18.094  | nq    | 99       |
| 78) Pyrene                     | 19.60 | 202  | 1976356  | 48.828  | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.50 | 149  | 755554   | 51.331  | nq    | 98       |
| 81) Benzo(a)anthracene         | 21.34 | 228  | 1857025  | 43.923  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.28 | 252  | 599815   | 37.171  | nq    | 97       |
| 83) Chrysene                   | 21.40 | 228  | 1847648  | 45.060  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 1125454  | 49.275  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.16 | 149  | 1883234  | 49.608  | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.97 | 276  | 2451354  | 50.261  | nq    | # 100    |
| 88) Benzo(b)fluoranthene       | 22.95 | 252  | 1962269  | 42.902  | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 23.00 | 252  | 1969793  | 47.212  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.54 | 252  | 1940396  | 46.705  | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 25.99 | 278  | 2099602  | 48.596  | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 26.69 | 276  | 2020052  | 49.246  | nq    | 99       |

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





#1

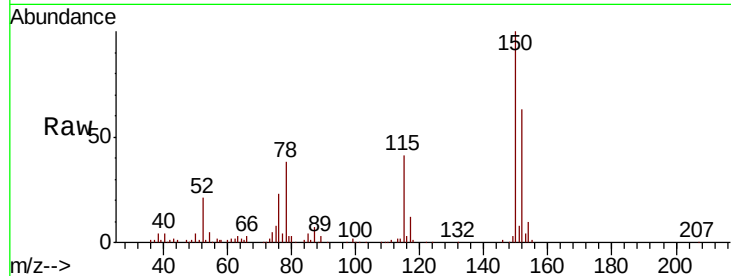
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.79 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampled :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.9 | 119.8 | 179.8 |
| 115     | 65.4  | 50.8  | 76.2  |

Manual Integrations  
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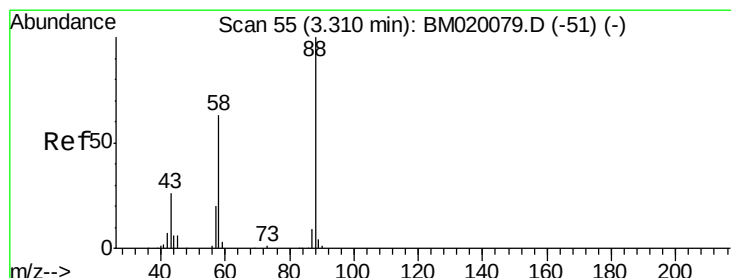
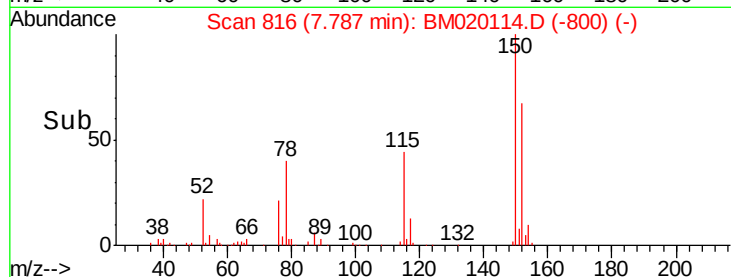
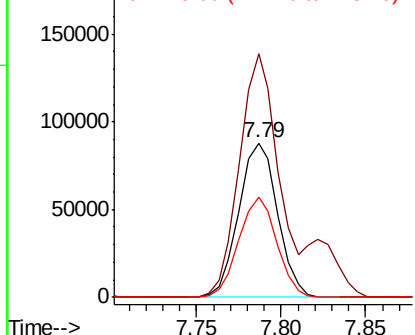


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

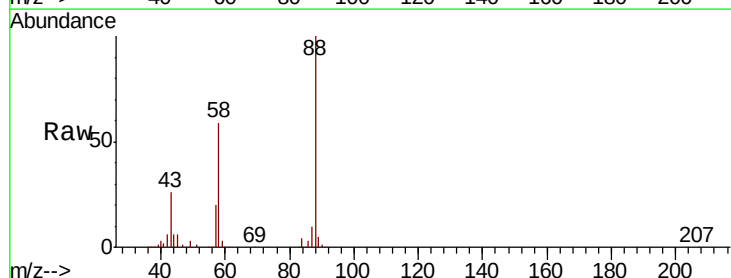
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 38.182 ng  
RT: 3.31 min Scan# 55  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 59.5  | 51.8  | 77.6  |
| 43      | 22.8  | 20.3  | 30.5  |

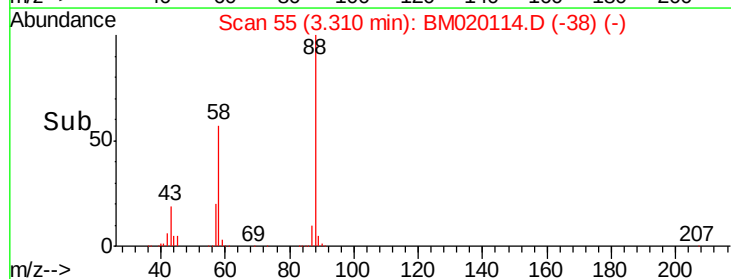
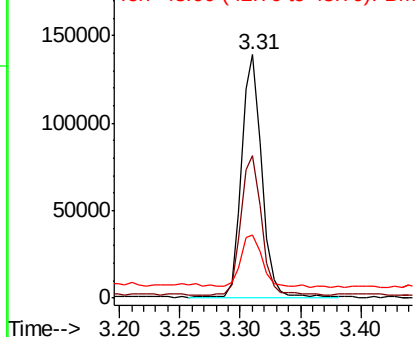


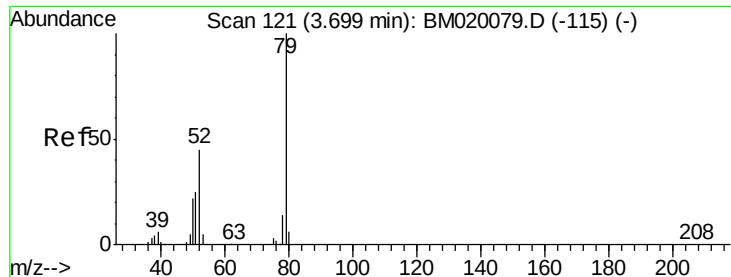
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 15.076 ng

RT: 3.70 min Scan# 121

Delta R.T. -0.00 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

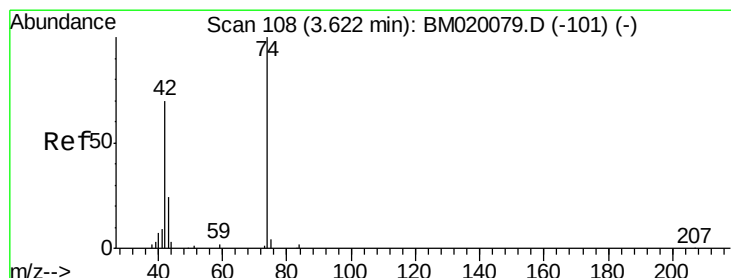
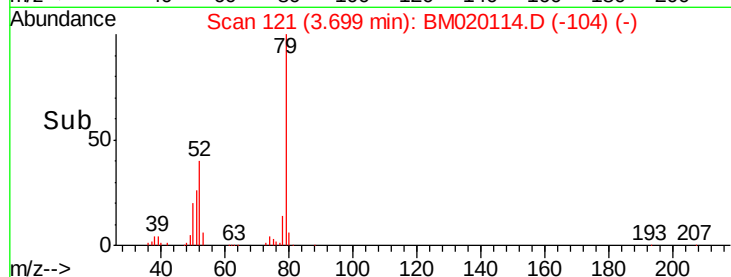
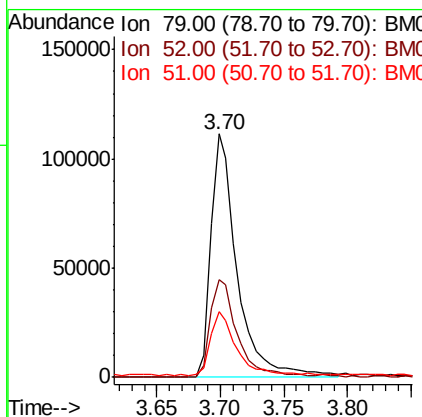
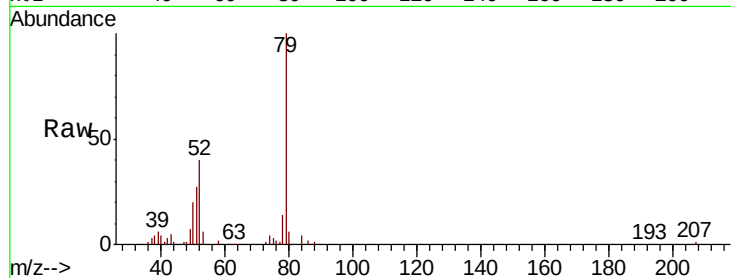
ClientSampled :

TP-2MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 162155 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 40.2  | 35.7  | 53.5   |
| 51       | 26.9  | 20.8  | 31.2   |

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#4

n-Nitrosodimethylamine

Concen: 45.424 ng

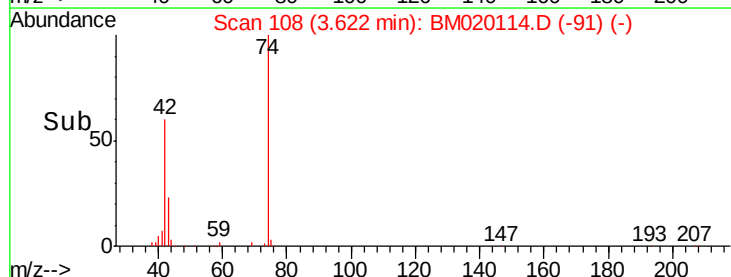
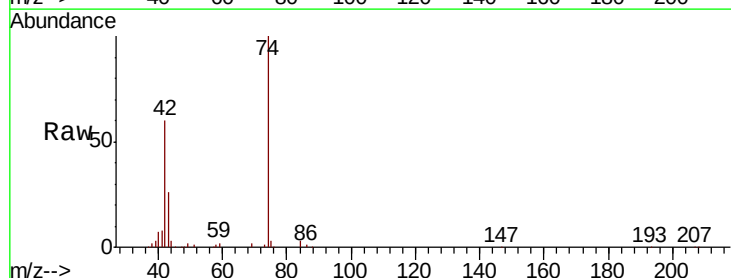
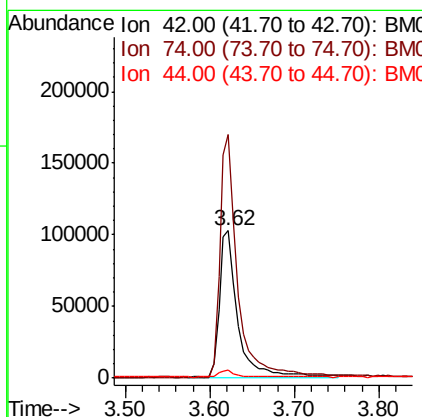
RT: 3.62 min Scan# 108

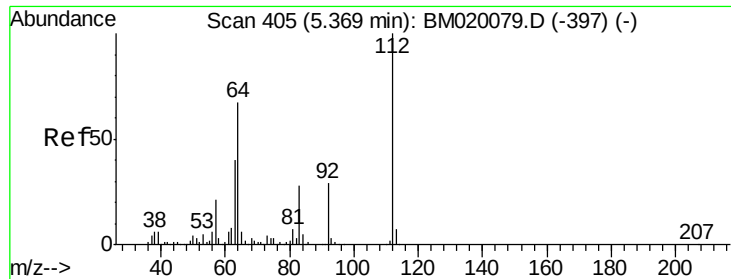
Delta R.T. -0.00 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 156668 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 165.4 | 113.7 | 170.5  |
| 44       | 5.3   | 3.9   | 5.9    |





#5

2-Fluorophenol

Concen: 135.377 ng

RT: 5.36 min Scan# 404

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

ClientSampled :

TP-2MSD

Tot Ion:112 Resp: 1160830

Ion Ratio Lower Upper

112 100

64 68.1 53.8 80.6

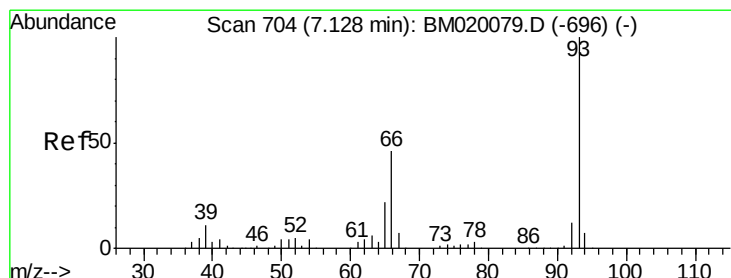
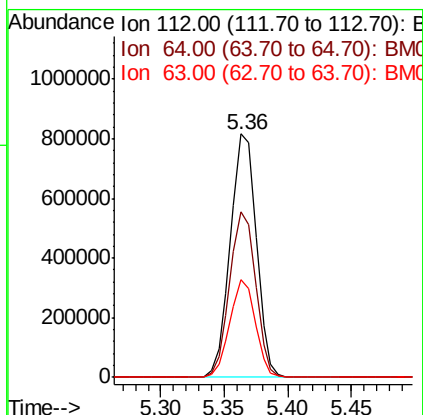
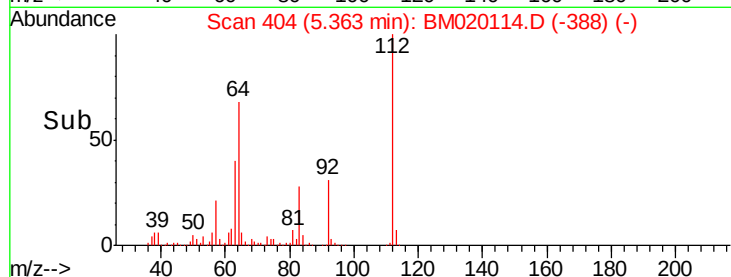
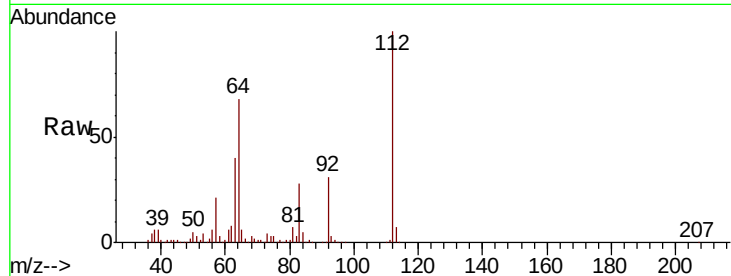
63 40.2 32.3 48.5

Manual Integrations

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#6

Aniline

Concen: 33.178 ng

RT: 7.12 min Scan# 703

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

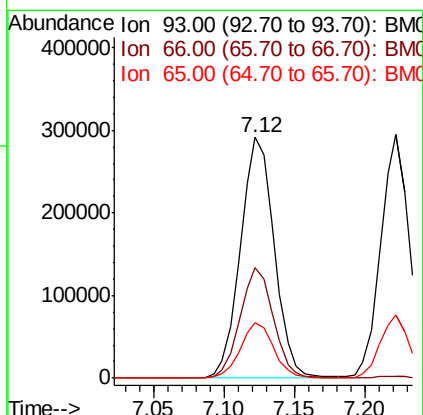
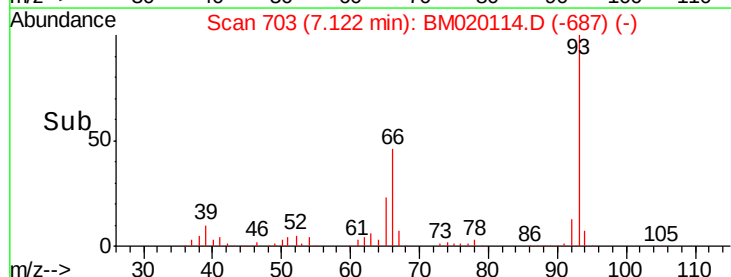
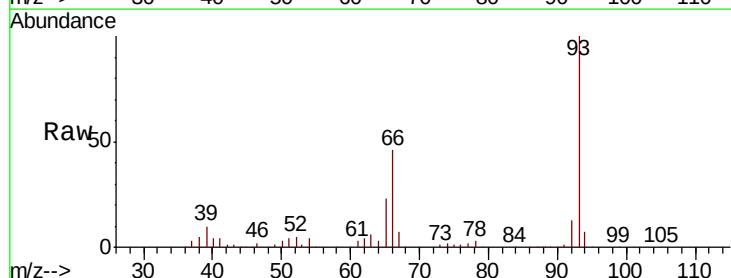
Tgt Ion: 93 Resp: 489252

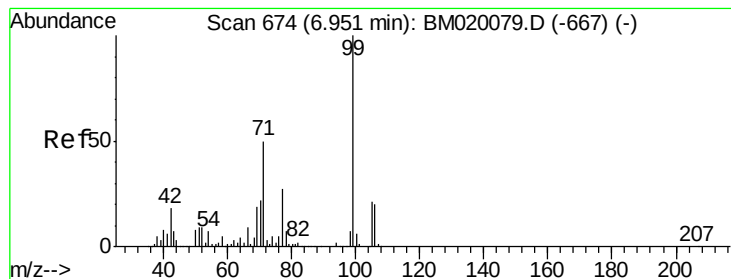
Ion Ratio Lower Upper

93 100

66 45.6 36.6 54.8

65 22.9 17.8 26.6





#7

Phenol-d6

Concen: 135.245 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

ClientSampled :

TP-2MSD

Tot Ion: 99 Resp: 1584315

Ion Ratio Lower Upper

99 100

42 16.0 14.2 21.2

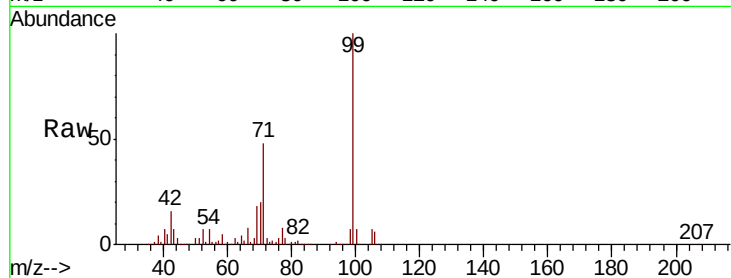
71 48.3 40.3 60.5

Manual Integrations

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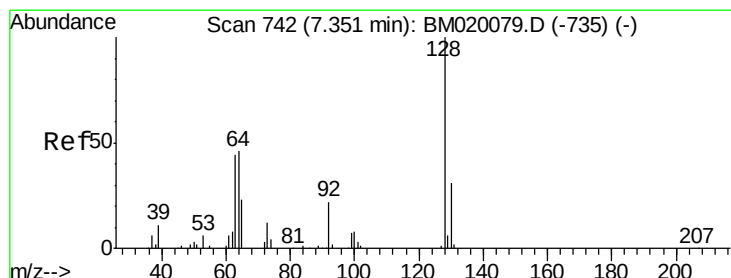
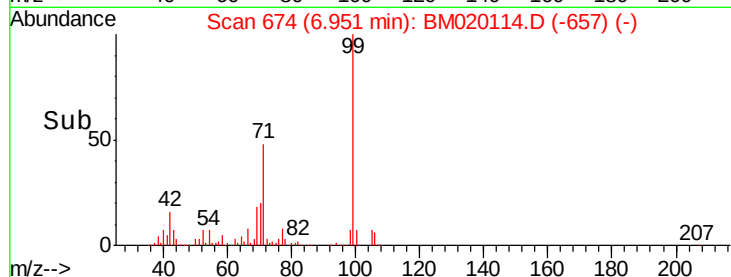
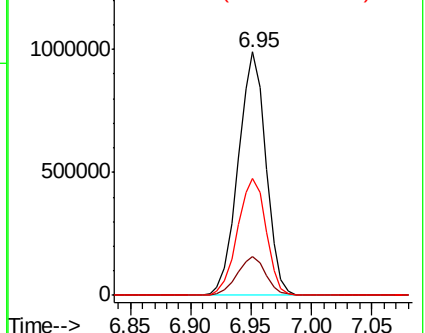
5/7/2019 11:59:08 PM



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#8

2-Chlorophenol

Concen: 45.583 ng

RT: 7.35 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

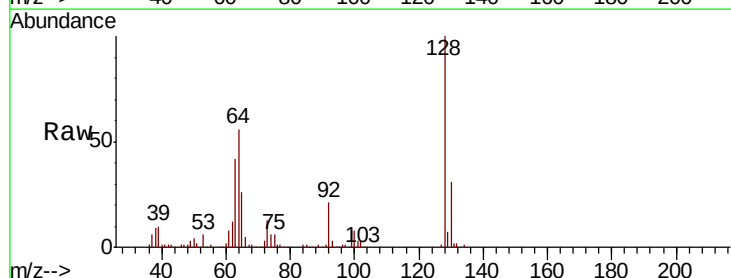
Tgt Ion: 128 Resp: 425589

Ion Ratio Lower Upper

128 100

130 30.7 10.8 50.8

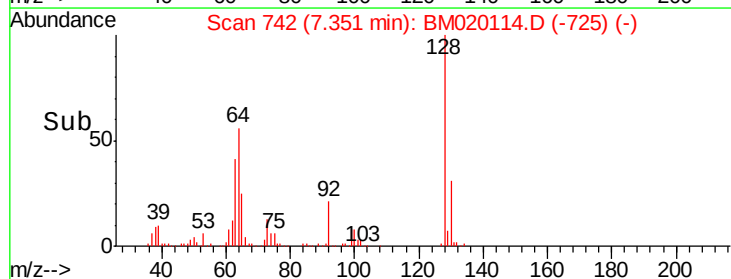
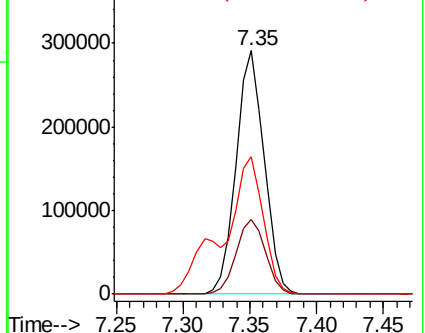
64 56.4 36.5 76.5



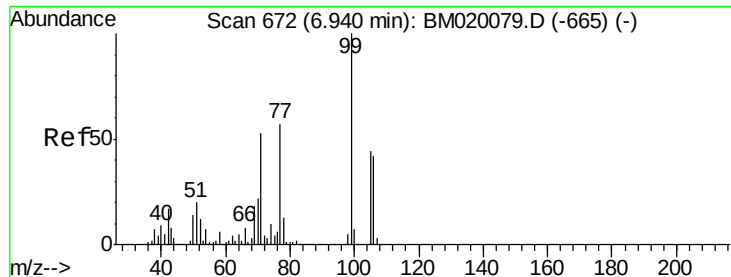
Abundance Ion 128.00 (127.70 to 128.70): BM020079.D (-735) (-)

Ion 130.00 (129.70 to 130.70): BM020079.D (-735) (-)

Ion 64.00 (63.70 to 64.70): BM020079.D (-735) (-)







#9

Benzaldehyde

Concen: 39.215 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

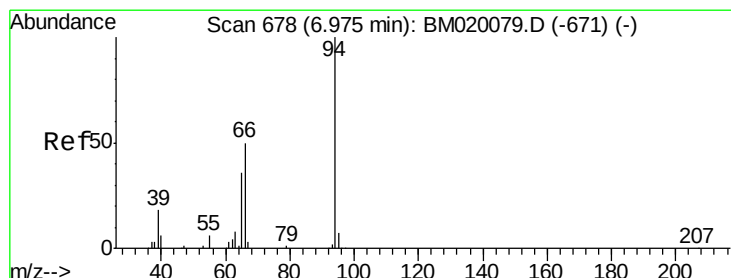
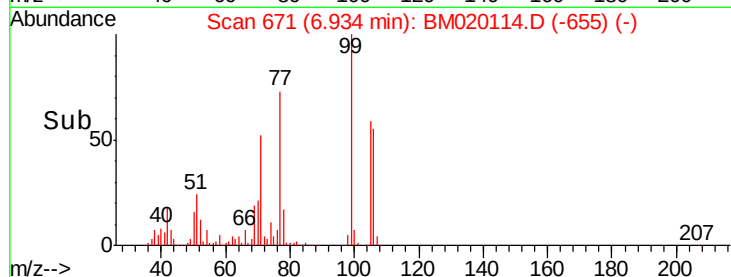
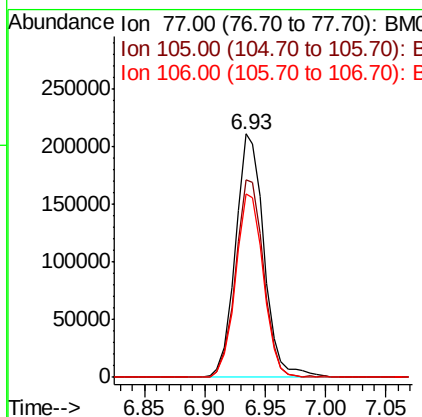
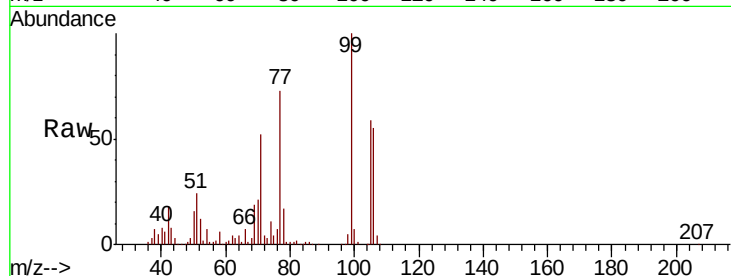
ClientSampled :

TP-2MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 77      | 100  |       |      |       |       |
| 105     | 81.0 |       | 57.8 | 97.8  |       |
| 106     | 75.2 |       | 53.6 | 93.6  |       |

Manual Integrations  
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#10

Phenol

Concen: 46.008 ng

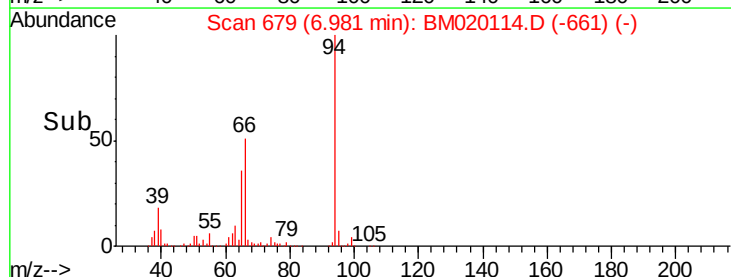
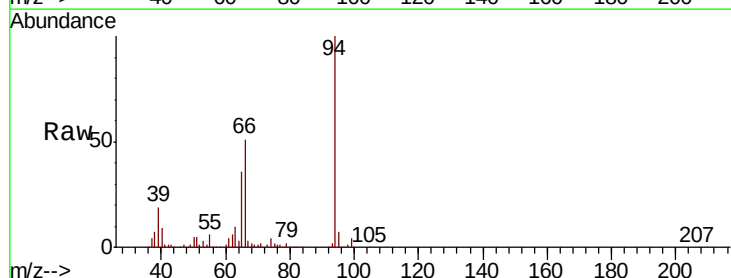
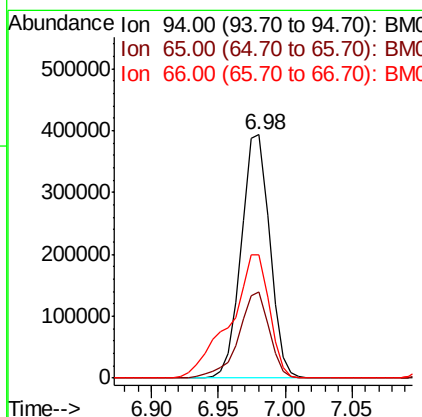
RT: 6.98 min Scan# 679

Delta R.T. 0.01 min

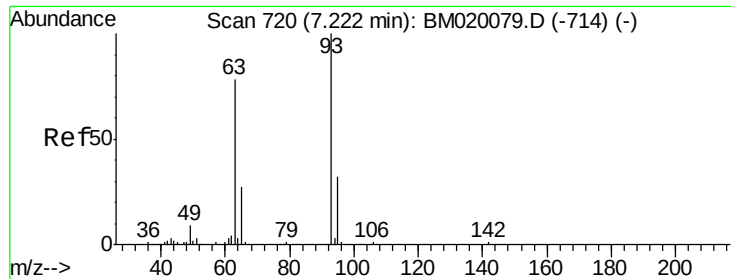
Lab File: BM020114.D

Acq: 03 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 35.6 |       | 17.0 | 57.0  |       |
| 66      | 50.6 |       | 34.5 | 74.5  |       |







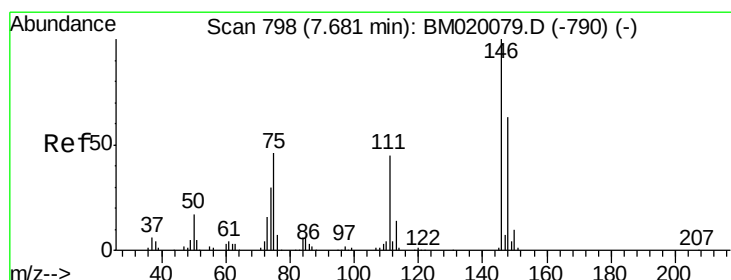
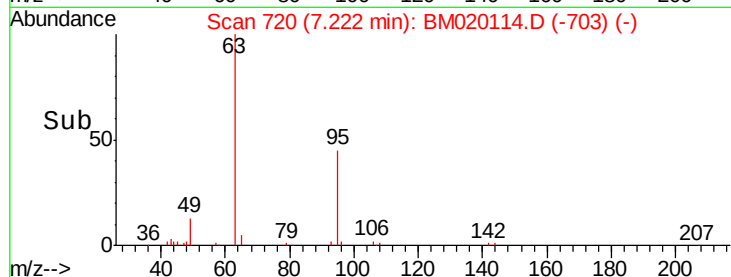
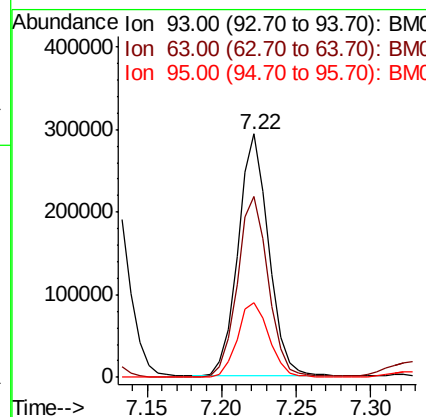
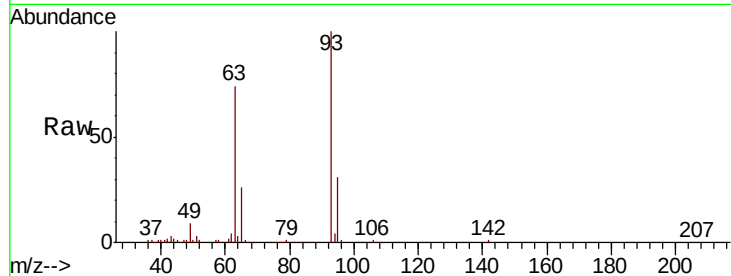
#11  
bis(2-Chloroethyl)ether  
Concen: 45.794 ng  
RT: 7.22 min Scan# 720  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampled :  
TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 419741 |       |       |
| 63      | 74.4  |        | 57.9  | 97.9  |
| 95      | 30.8  |        | 11.3  | 51.3  |

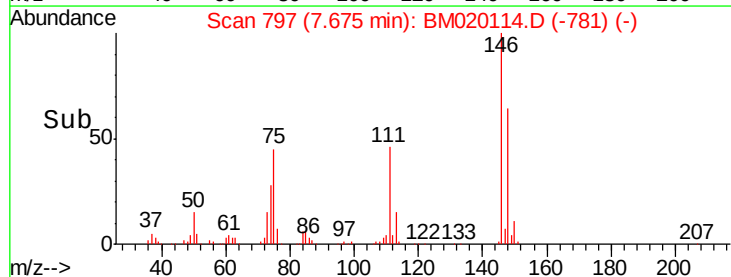
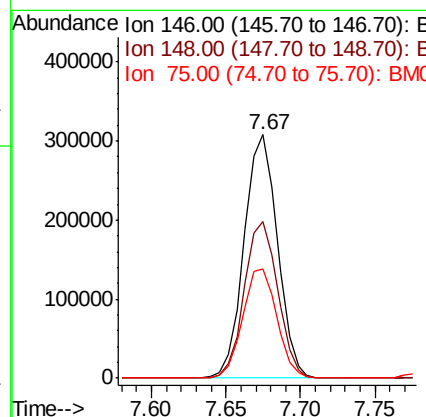
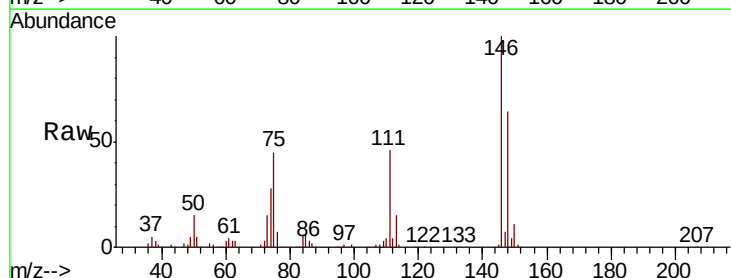
Manual Integrations  
APPROVED

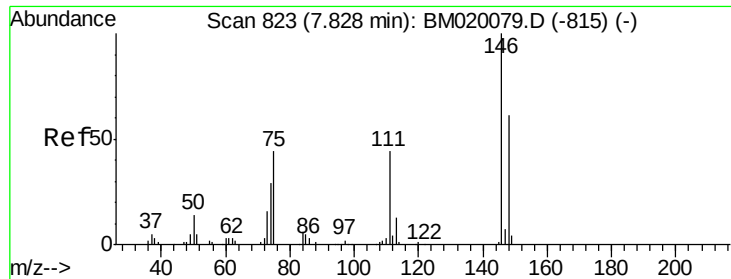
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 43.784 ng  
RT: 7.67 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 475632 |       |       |
| 148     | 64.1  |        | 50.1  | 75.1  |
| 75      | 44.8  |        | 37.2  | 55.8  |





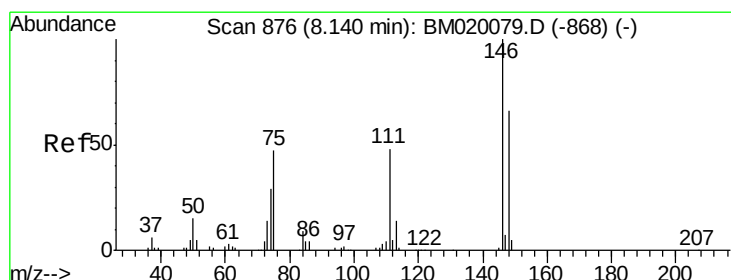
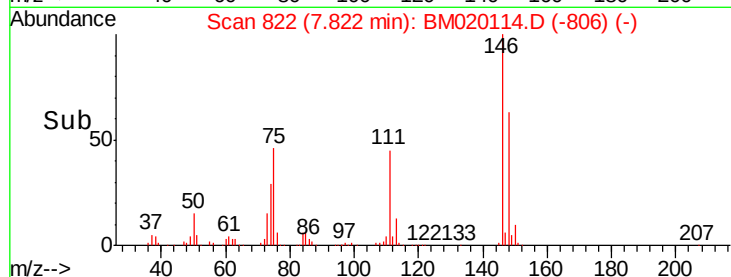
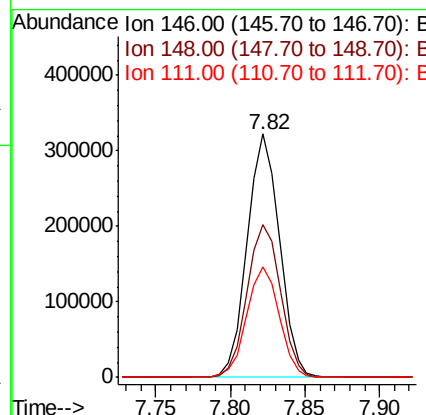
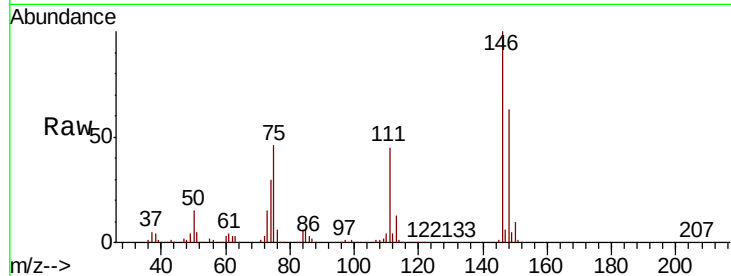
#13  
 1,4-Dichlorobenzene  
 Concen: 44.113 ng  
 RT: 7.82 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 48.5  | 72.7  |
| 111     | 45.4  | 35.7  | 53.5  |

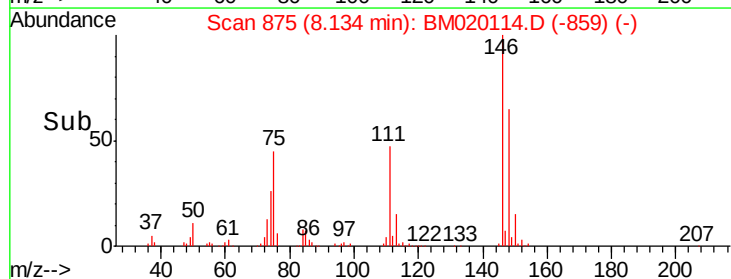
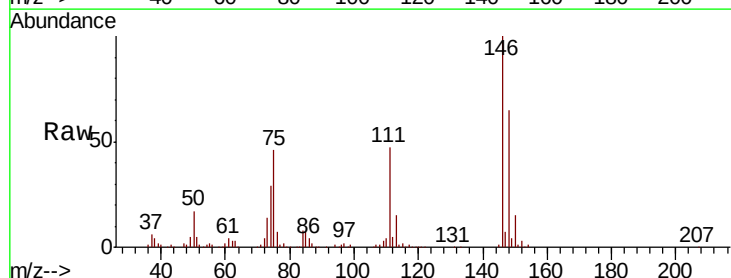
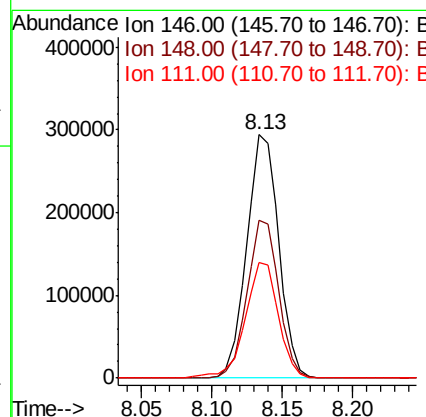
Manual Integrations  
 APPROVED

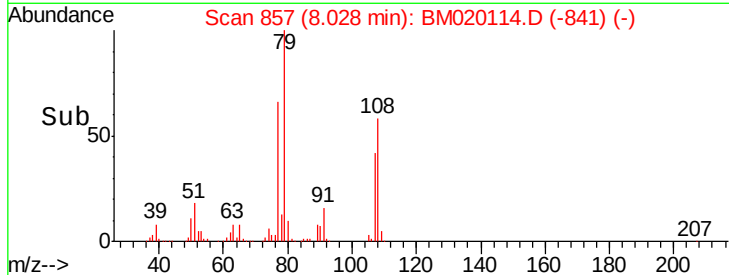
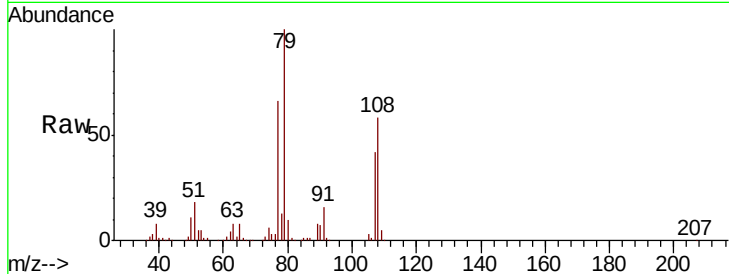
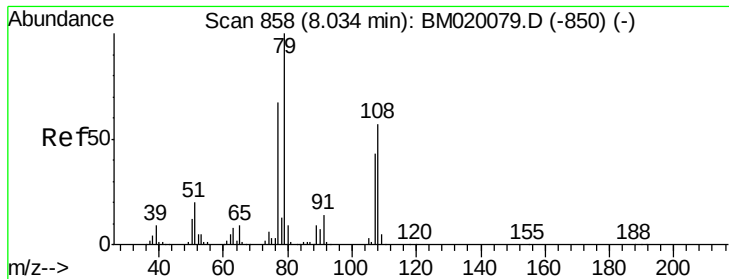
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#14  
 1,2-Dichlorobenzene  
 Concen: 44.756 ng  
 RT: 8.13 min Scan# 875  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.9  | 52.6  | 79.0  |
| 111     | 47.5  | 39.0  | 58.4  |





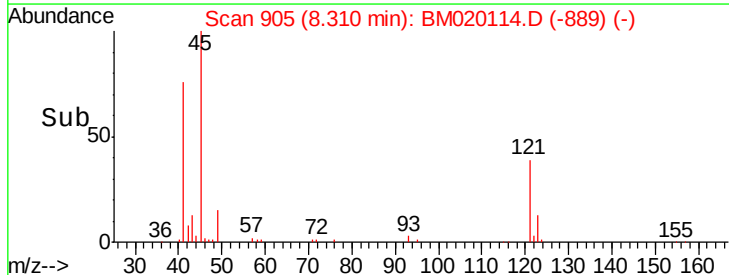
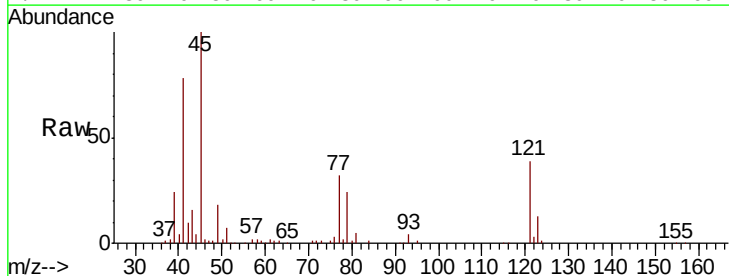
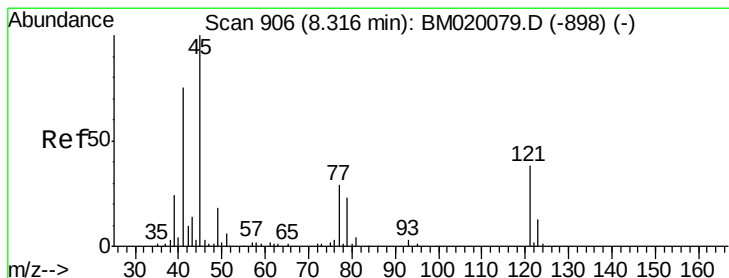
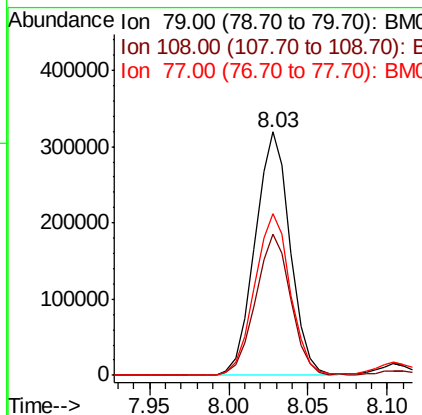
#15  
Benzyl Alcohol  
Concen: 43.496 ng  
RT: 8.03 min Scan# 857  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 58.0  | 46.0  | 69.0  |
| 77      | 66.2  | 53.8  | 80.6  |

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

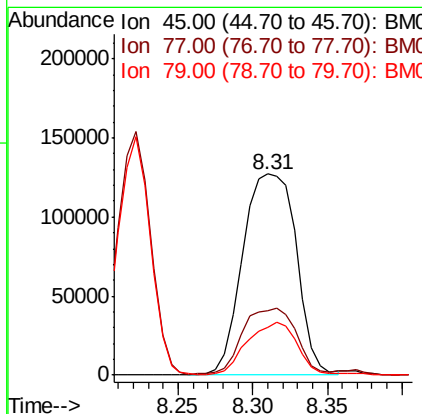
Manual Integrations  
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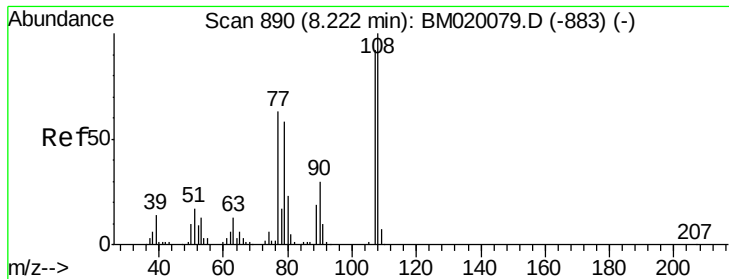
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.574 ng  
RT: 8.31 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 32.2  | 10.5  | 50.5  |
| 79      | 23.8  | 3.3   | 43.3  |





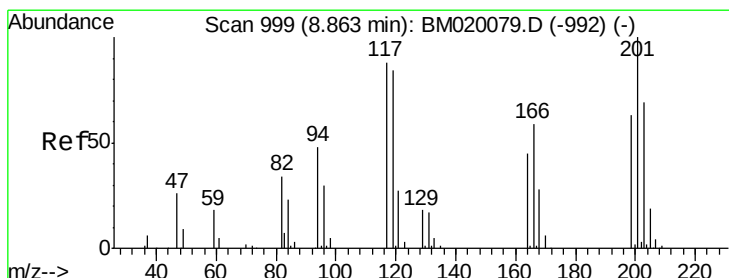
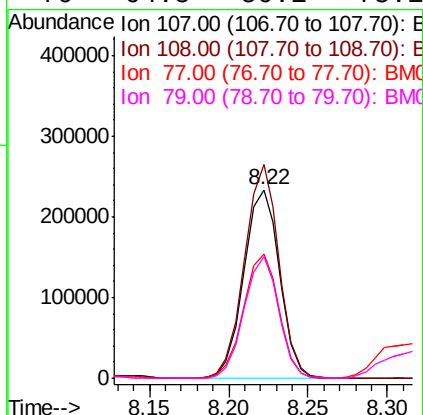
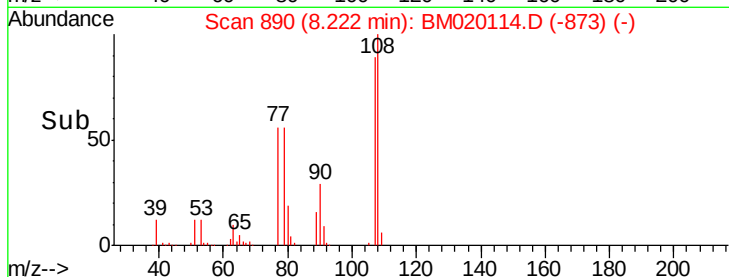
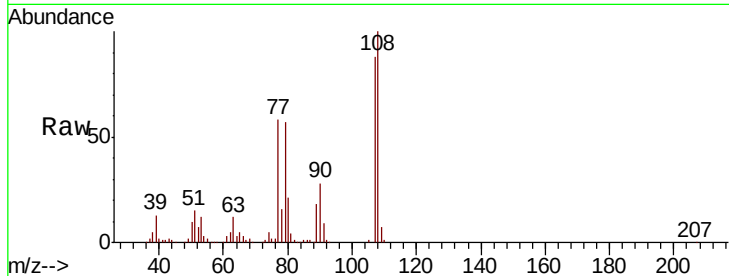
#17  
2-Methylphenol  
Concen: 45.122 ng  
RT: 8.22 min Scan# 890  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.1 | 87.0 | 130.4 |       |
| 77      | 65.8  | 54.7 | 82.1  |       |
| 79      | 64.5  | 50.1 | 75.1  |       |

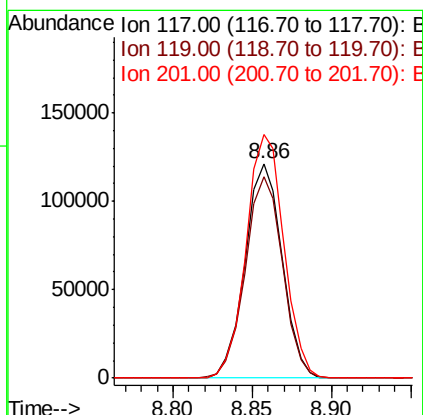
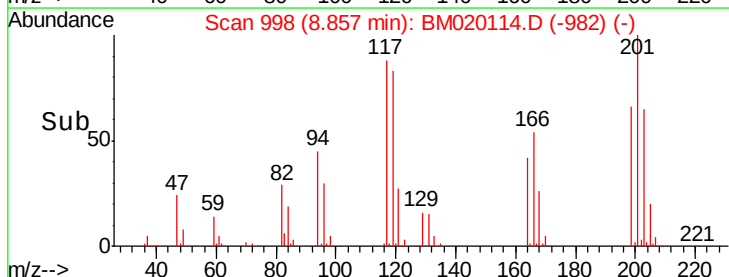
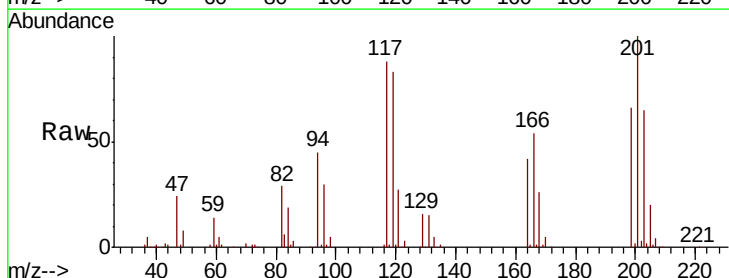
Manual Integrations  
APPROVED

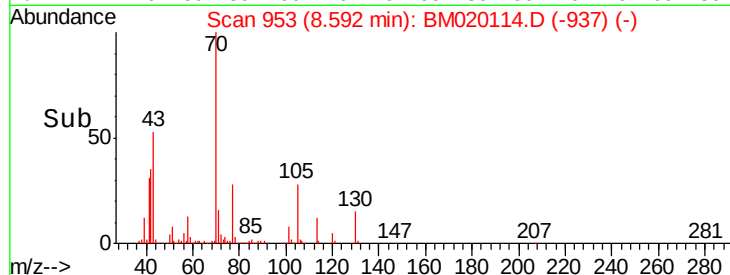
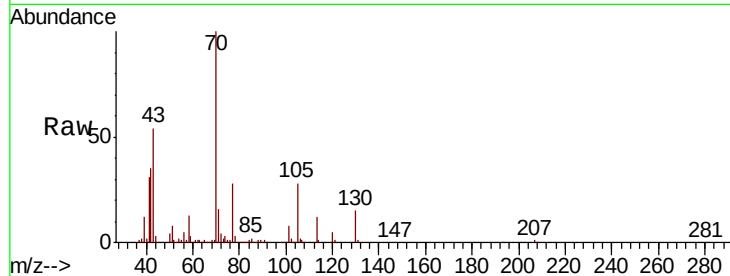
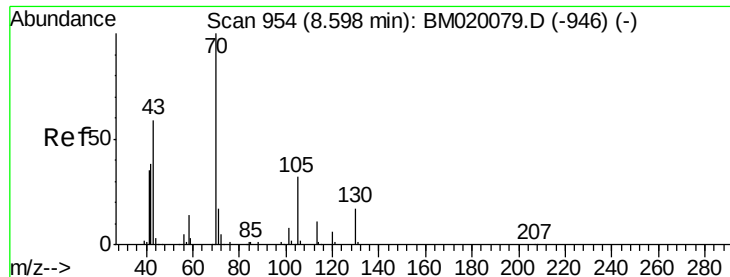
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#18  
Hexachloroethane  
Concen: 43.056 ng  
RT: 8.86 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 93.9  | 76.6 | 114.8 |       |
| 201     | 113.6 | 90.7 | 136.1 |       |





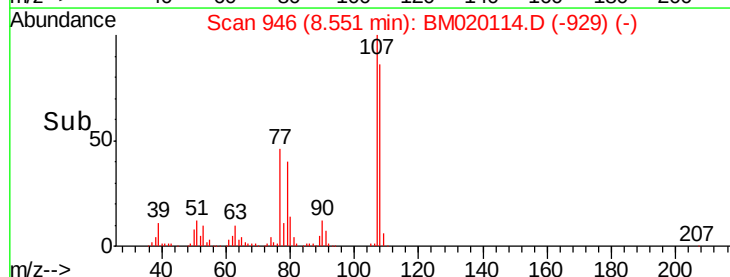
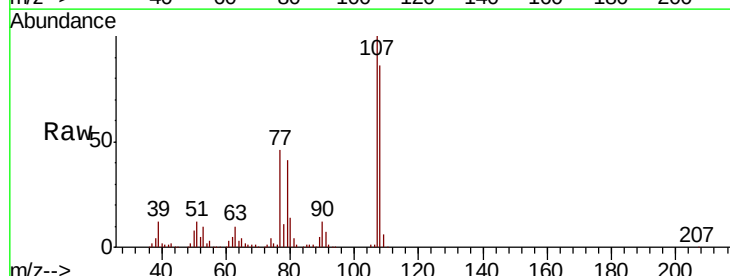
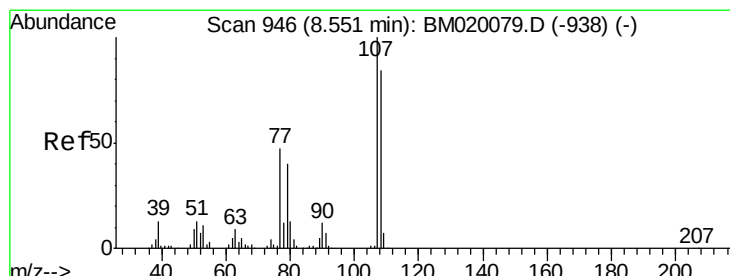
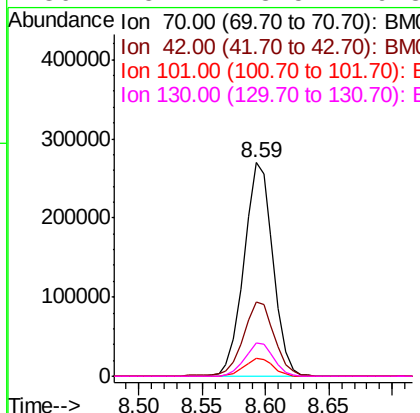
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.788 ng  
RT: 8.59 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 428836 |       |       |
| 42      | 34.8 | 31.0  | 46.4   |       |       |
| 101     | 8.4  | 6.2   | 9.2    |       |       |
| 130     | 15.4 | 13.5  | 20.3   |       |       |

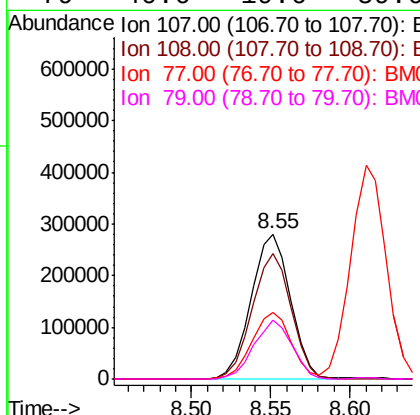
Manual Integrations  
APPROVED

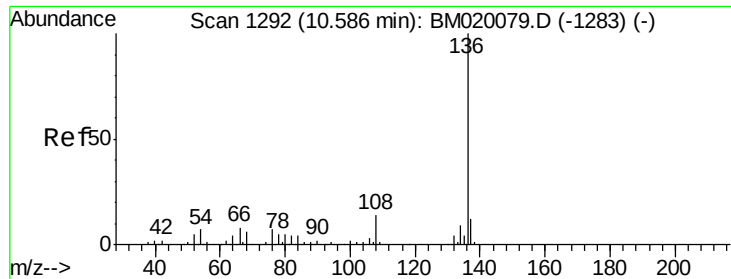
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#20  
3+4-Methylphenols  
Concen: 44.689 ng  
RT: 8.55 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 482158 |       |       |
| 108     | 86.3 | 64.4  | 104.4  |       |       |
| 77      | 46.3 | 27.2  | 67.2   |       |       |
| 79      | 40.6 | 19.6  | 59.6   |       |       |





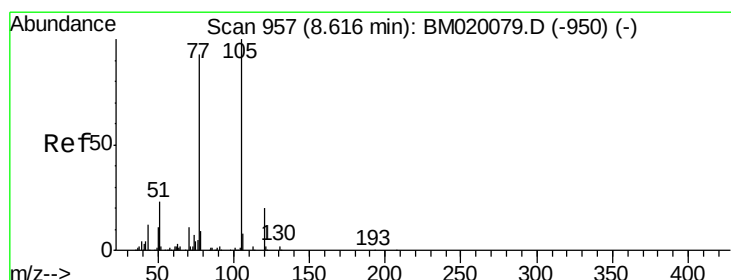
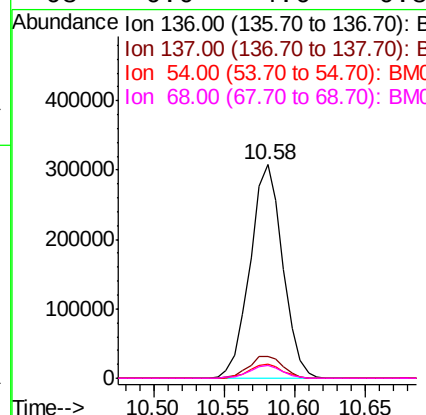
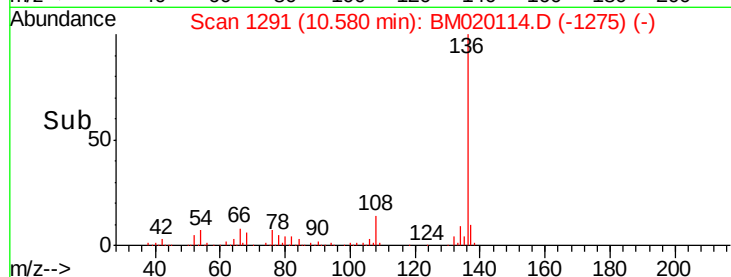
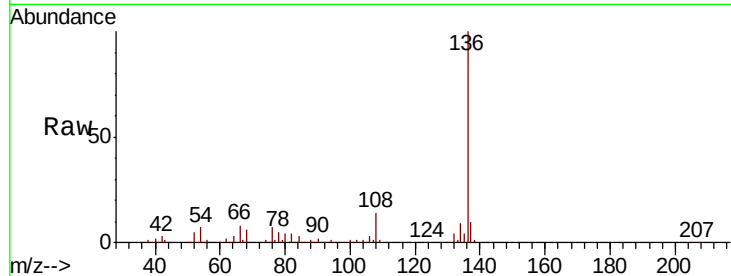
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.58 min Scan# 1291  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 500739 |       |       |
| 137     | 10.2  |        | 9.6   | 14.4  |
| 54      | 6.7   |        | 5.5   | 8.3   |
| 68      | 6.0   |        | 4.6   | 6.8   |

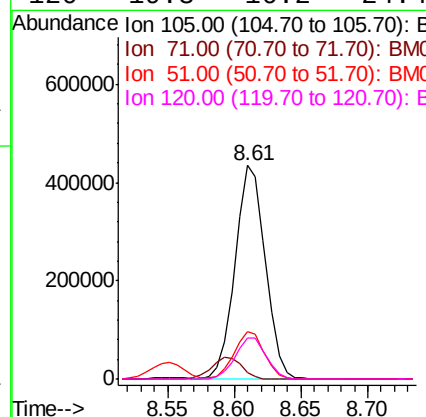
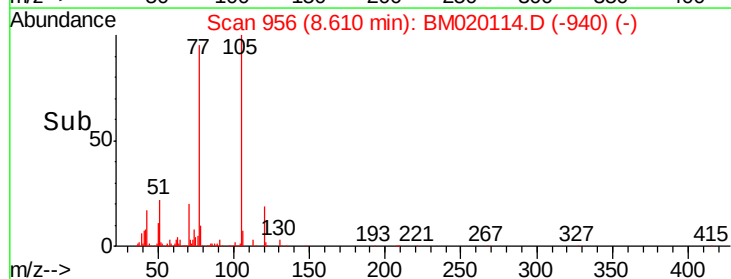
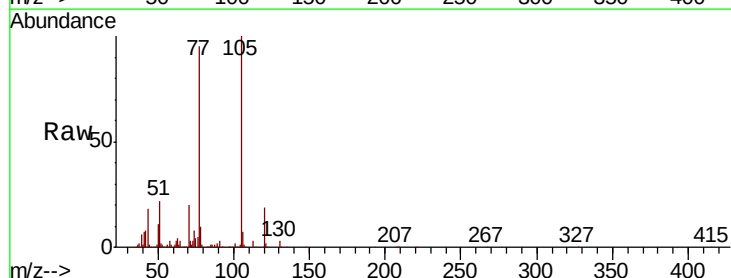
Manual Integrations  
APPROVED

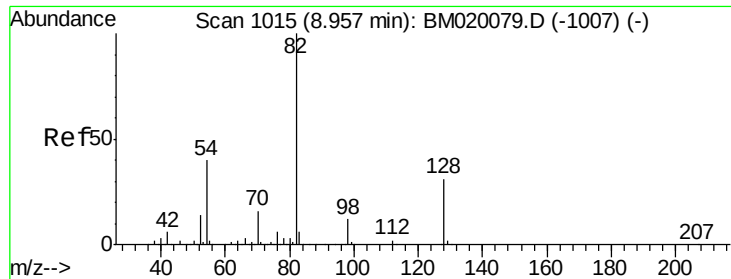
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#22  
Acetophenone  
Concen: 50.077 ng  
RT: 8.61 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 685315 |       |       |
| 71      | 3.2   |        | 2.2   | 3.2   |
| 51      | 22.3  |        | 19.3  | 28.9  |
| 120     | 19.3  |        | 16.2  | 24.4  |





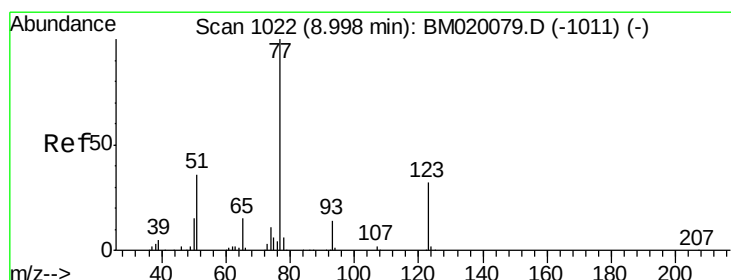
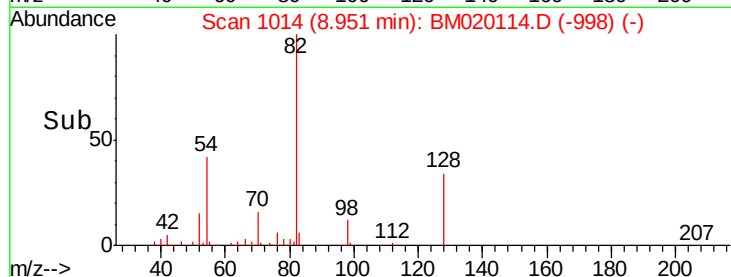
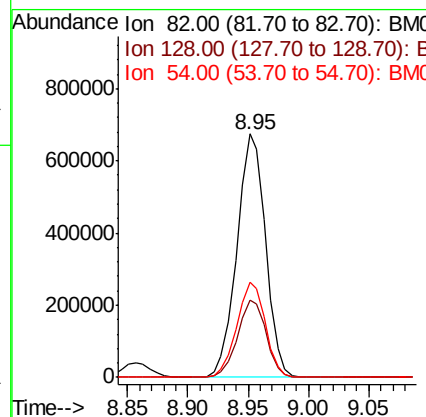
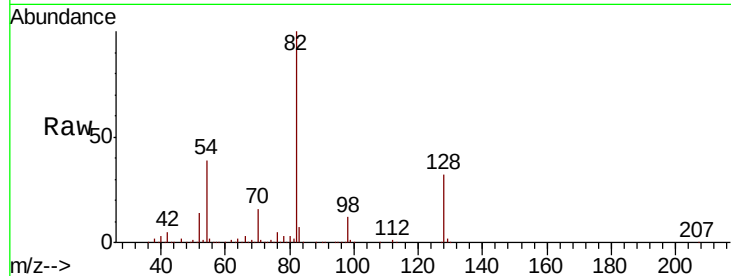
#23  
Nitrobenzene-d5  
Concen: 88.117 ng  
RT: 8.95 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampled :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 31.6  | 25.2  | 37.8  |
| 54      | 39.1  | 31.9  | 47.9  |

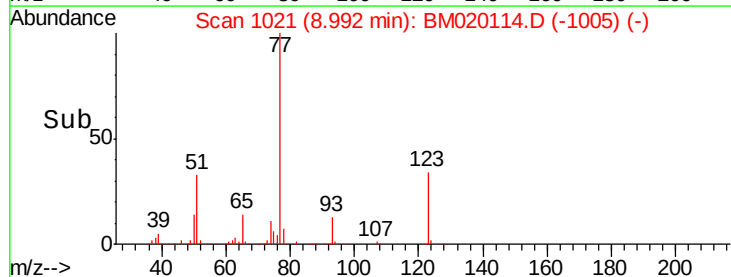
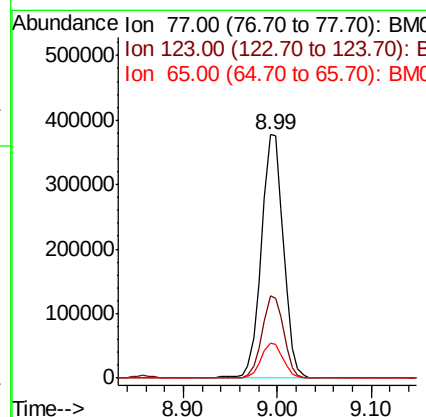
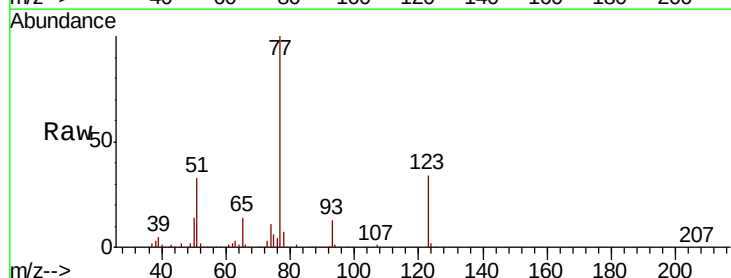
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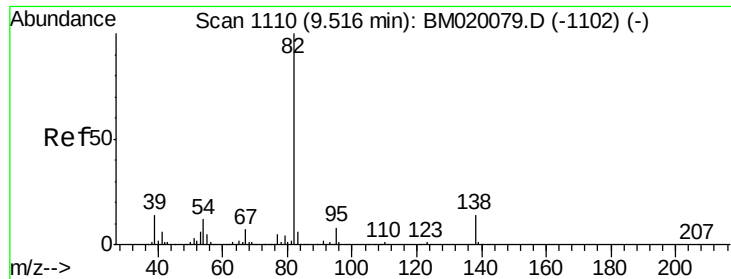


#24  
Nitrobenzene  
Concen: 46.794 ng  
RT: 8.99 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 33.8  | 25.5  | 38.3  |
| 65      | 14.5  | 11.8  | 17.6  |







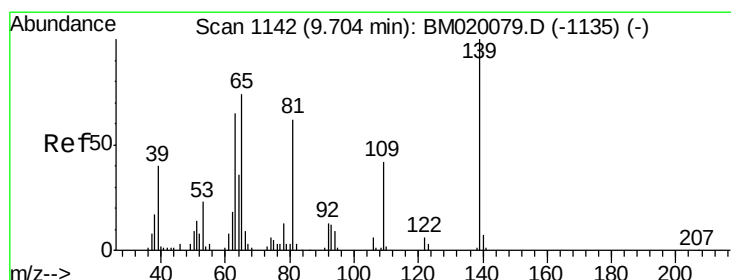
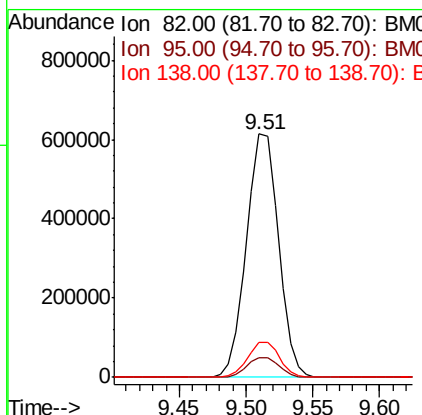
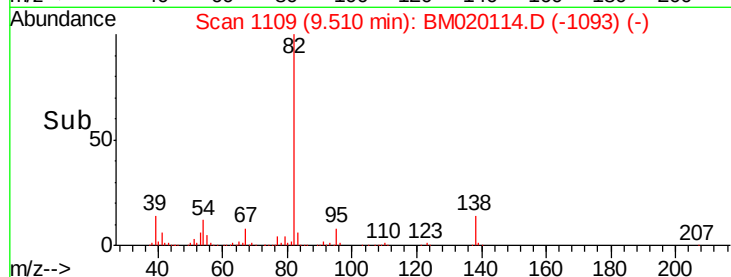
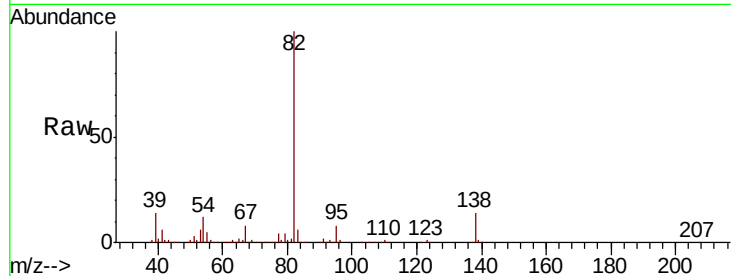
#25  
Isophorone  
Concen: 46.732 ng  
RT: 9.51 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 8.0   | 6.4   | 9.6   |
| 138     | 14.2  | 11.1  | 16.7  |

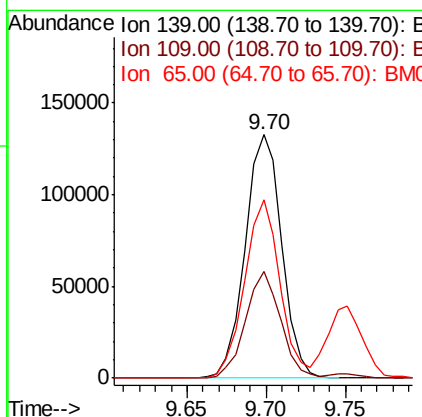
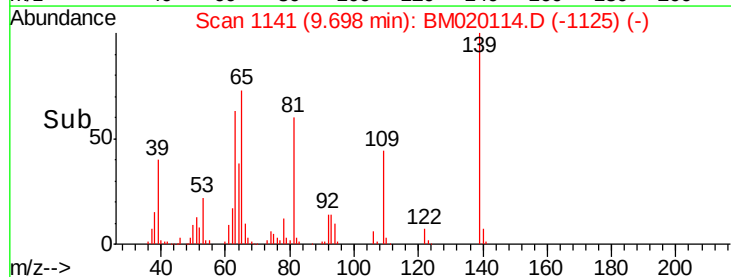
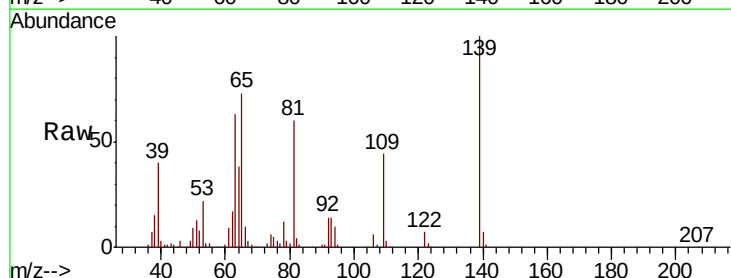
Manual Integrations  
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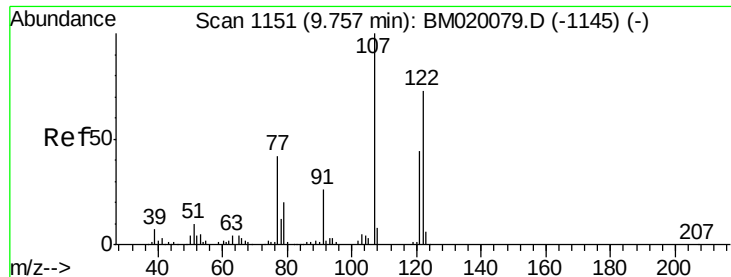
mohammad  
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#26  
2-Nitrophenol  
Concen: 53.539 ng  
RT: 9.70 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 43.7  | 33.7  | 50.5  |
| 65      | 73.1  | 59.5  | 89.3  |





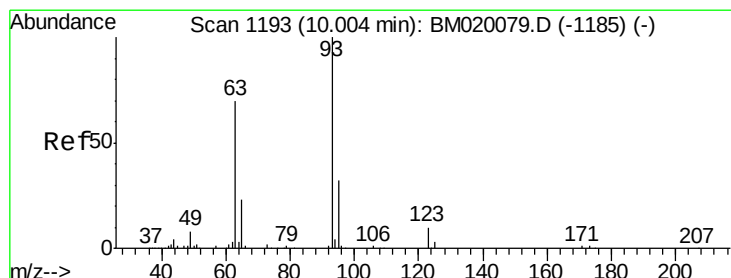
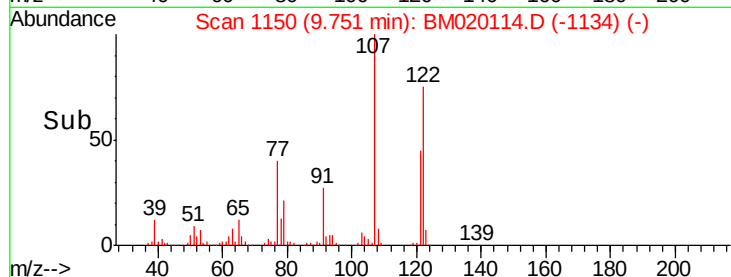
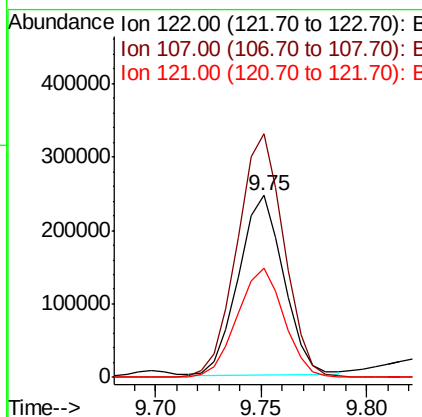
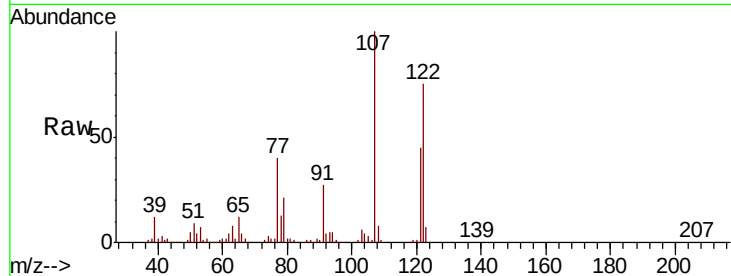
#27  
 2,4-Dimethylphenol  
 Concen: 55.224 ng  
 RT: 9.75 min Scan# 1150  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-2MSD

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |       |
| 107     | 133.7 | 108.6 | 162.8 |       |       |
| 121     | 60.3  | 47.4  | 71.2  |       |       |

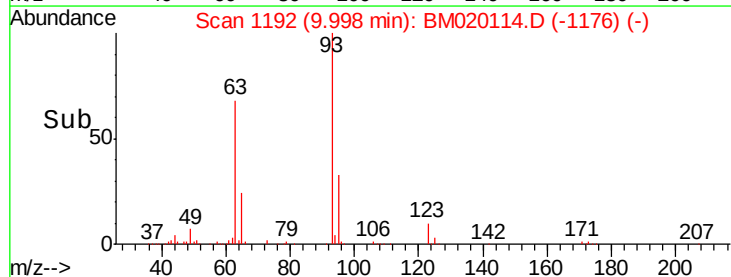
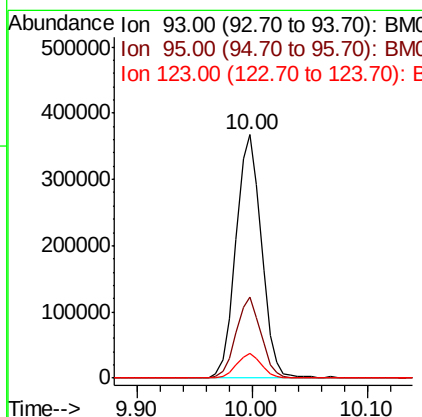
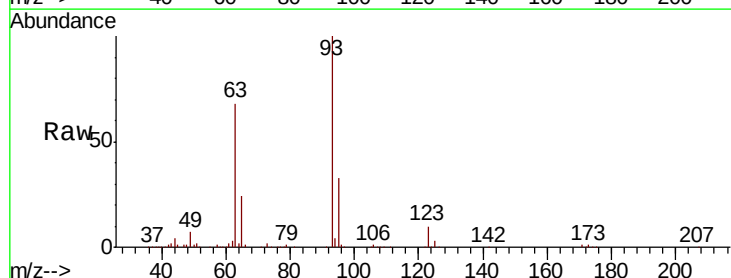
Manual Integrations  
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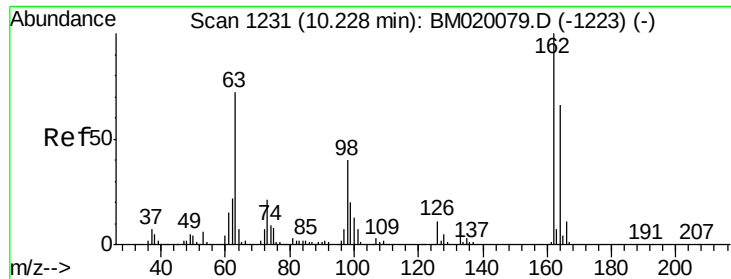
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 47.331 ng  
 RT: 10.00 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 93      | 100  |       |      |       |       |
| 95      | 33.2 | 25.5  | 38.3 |       |       |
| 123     | 10.0 | 7.6   | 11.4 |       |       |





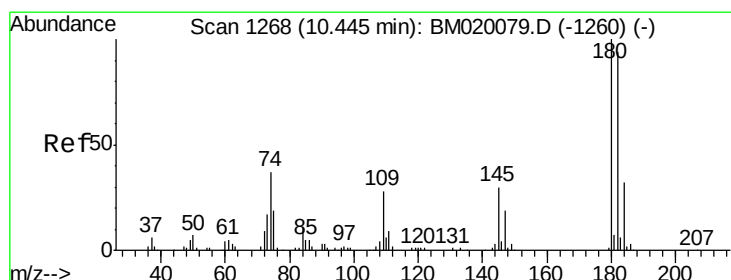
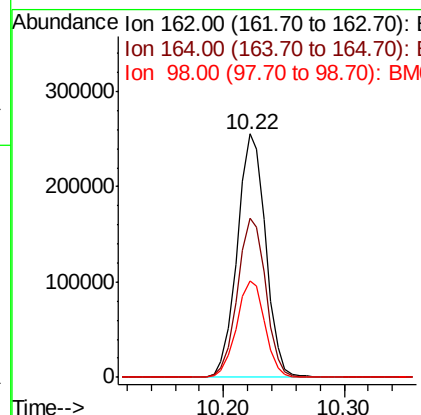
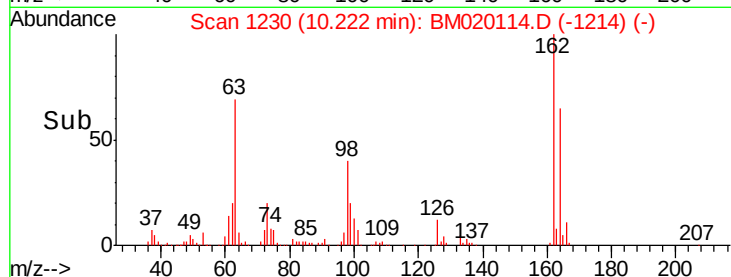
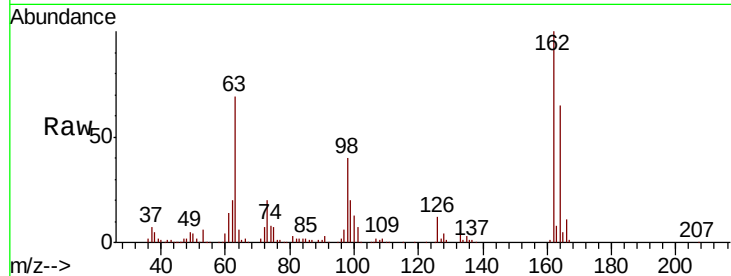
#29  
 2,4-Dichlorophenol  
 Concen: 50.055 ng  
 RT: 10.22 min Scan# 1230  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 417191 |       |       |
| 164     | 65.4  | 45.6   | 85.6  |       |
| 98      | 39.7  | 20.4   | 60.4  |       |

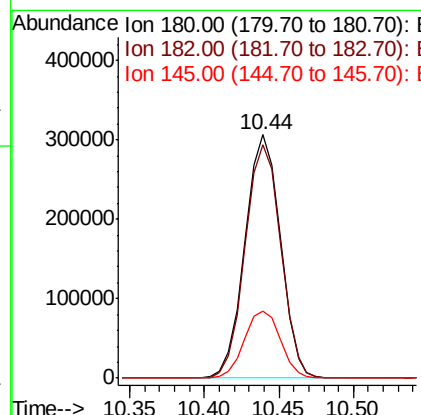
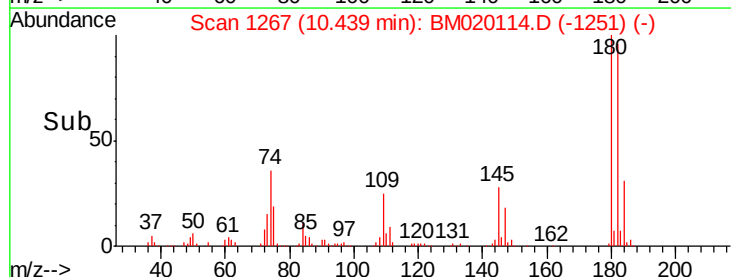
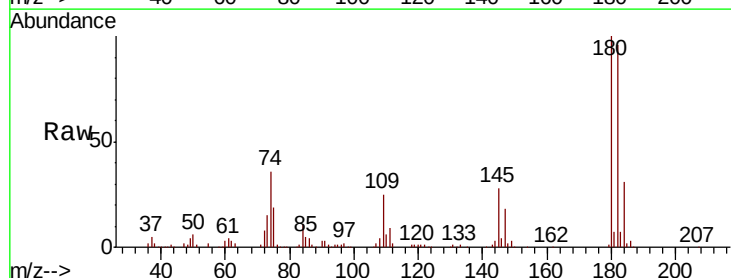
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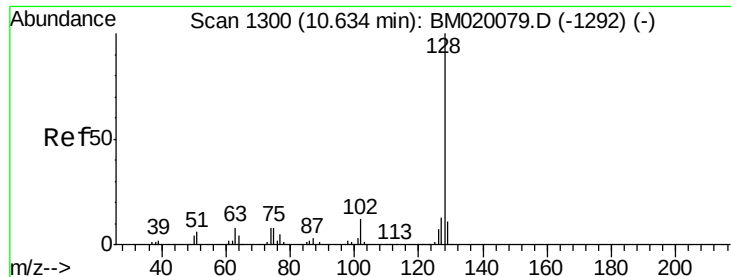
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.236 ng  
 RT: 10.44 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 504929 |       |       |
| 182     | 95.9  | 75.4   | 113.0 |       |
| 145     | 27.7  | 23.8   | 35.8  |       |





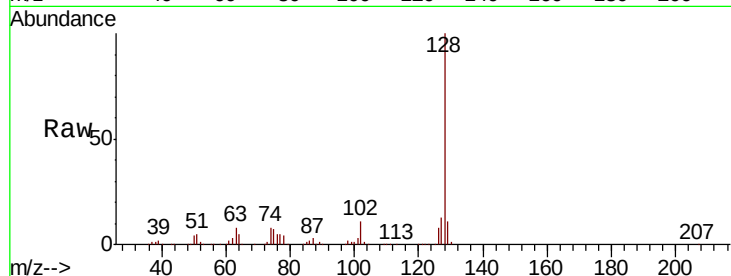
#31  
Naphthalene  
Concen: 47.467 ng  
RT: 10.63 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampled :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 9.0   | 13.4  |
| 127     | 13.5  | 10.4  | 15.6  |

Manual Integrations  
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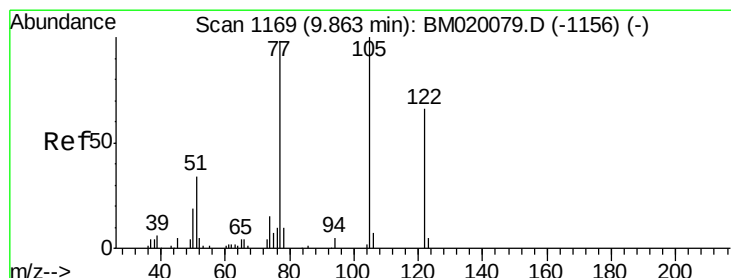
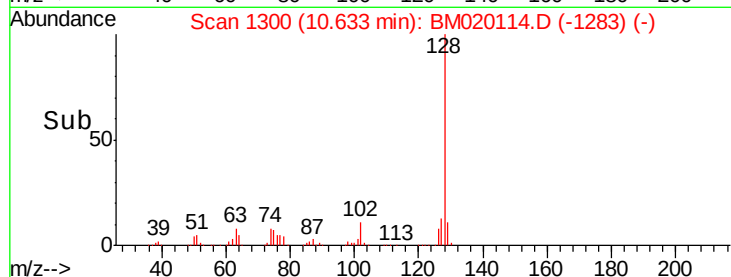
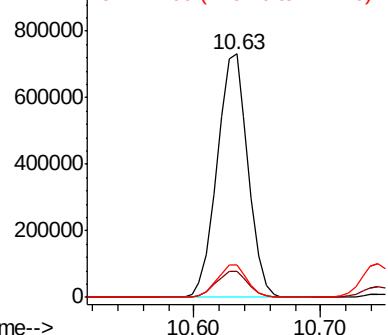


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 34.675 ng  
RT: 9.86 min Scan# 1169  
Delta R.T. 0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

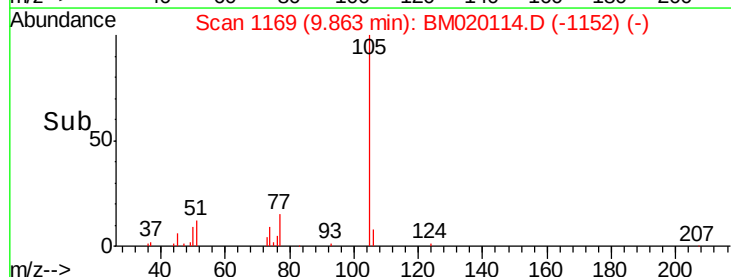
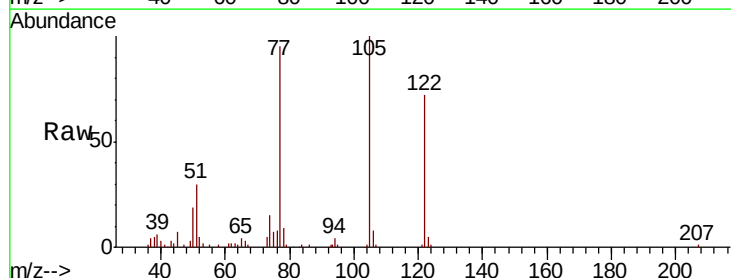
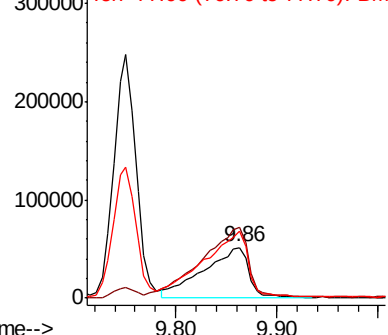
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 139.1 | 122.5 | 162.5 |
| 77      | 132.4 | 123.3 | 163.3 |

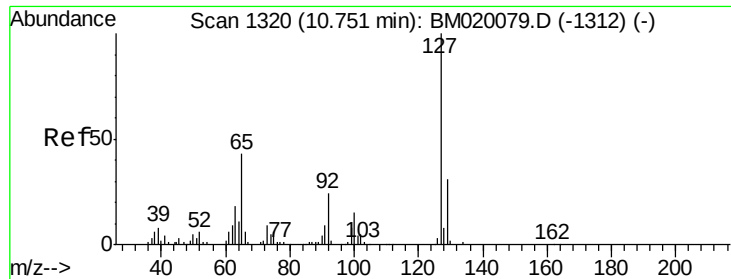
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E





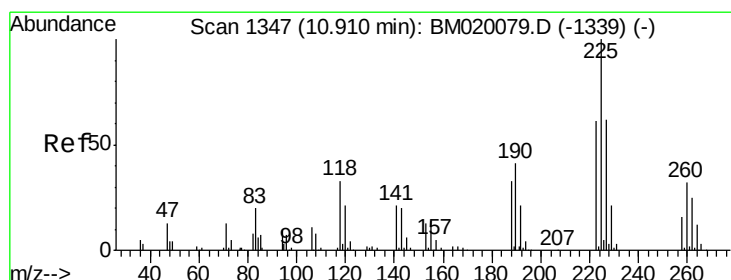
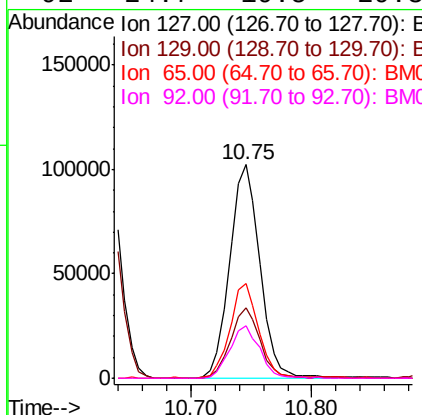
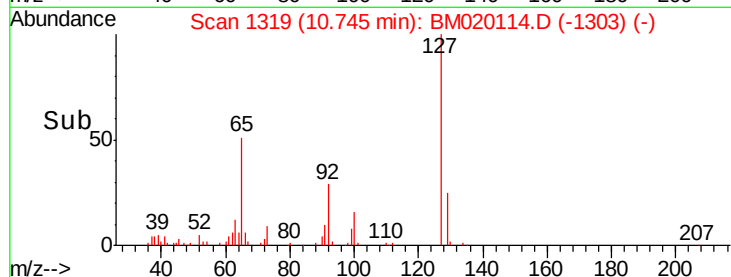
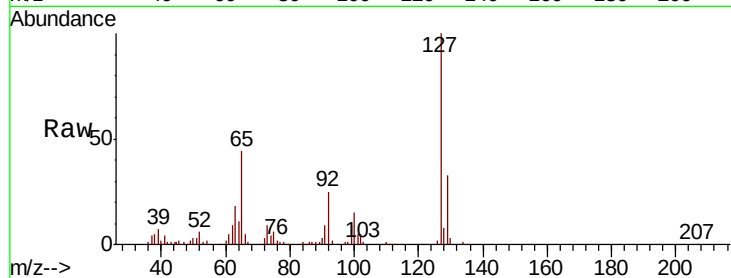
#33  
4-Chloroaniline  
Concen: 16.706 ng  
RT: 10.75 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 178674 |       |       |
| 129     | 33.1 | 24.7  | 37.1   |       |       |
| 65      | 44.1 | 34.6  | 52.0   |       |       |
| 92      | 24.7 | 19.5  | 29.3   |       |       |

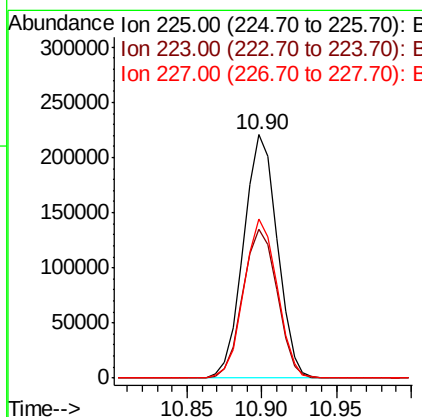
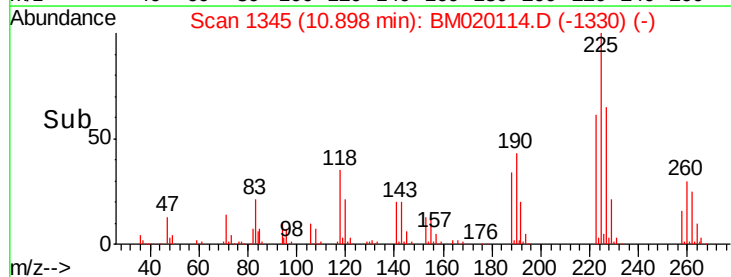
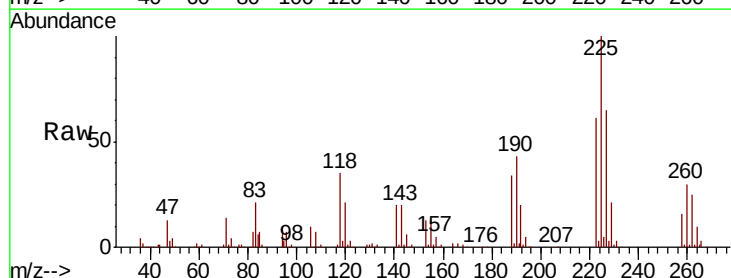
Manual Integrations  
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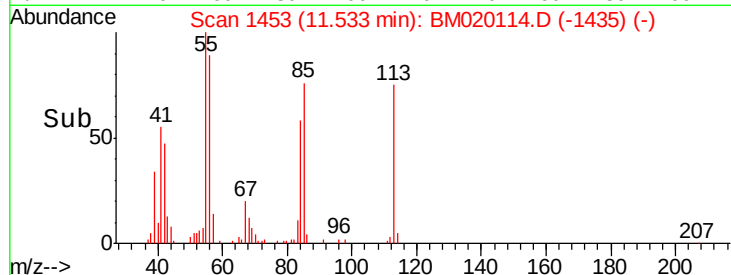
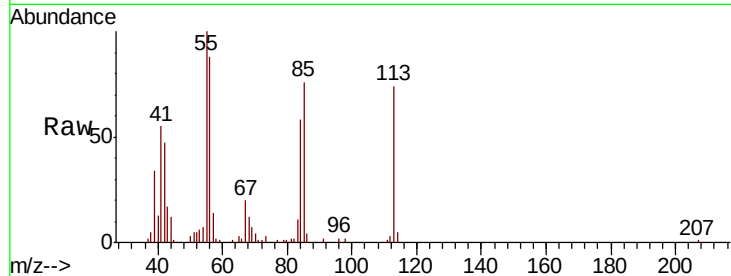
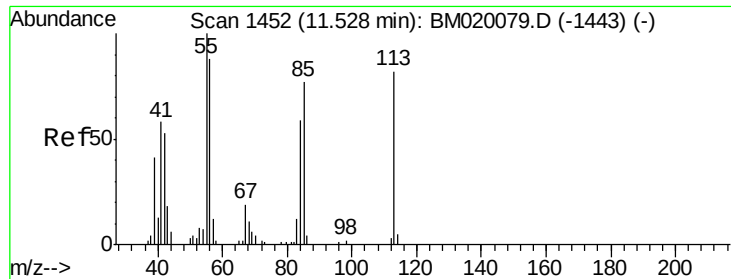
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#34  
Hexachlorobutadiene  
Concen: 47.468 ng  
RT: 10.90 min Scan# 1345  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 344363 |       |       |
| 223     | 61.1 | 48.9  | 73.3   |       |       |
| 227     | 65.4 | 49.6  | 74.4   |       |       |





#35

Caprolactam

Concen: 42.792 ng/mL

RT: 11.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

ClientSampled :

TP-2MSD

Tot Ion: 113 Resp: 106645

Ion Ratio Lower Upper

113 100

55 135.1 102.5 142.5

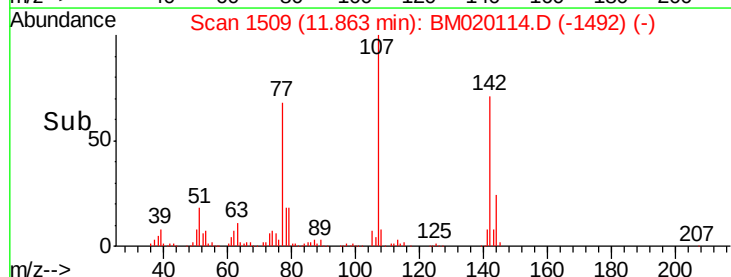
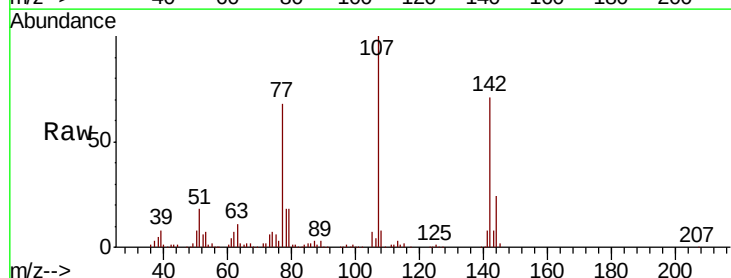
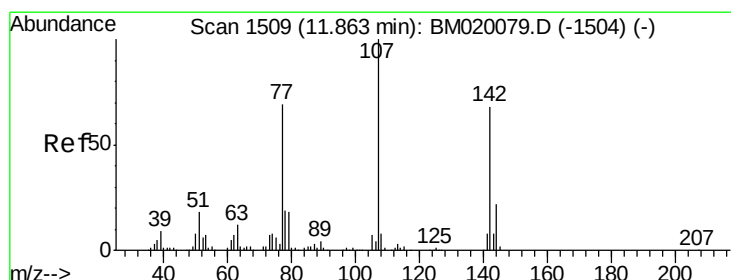
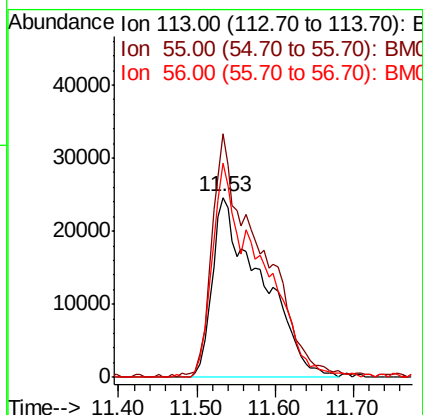
56 119.1 87.7 127.7

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#36

4-Chloro-3-methylphenol

Concen: 46.175 ng/mL

RT: 11.86 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

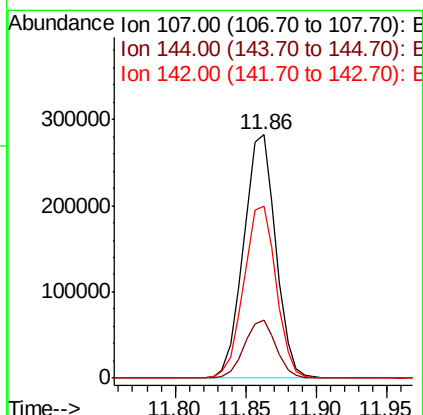
Tgt Ion: 107 Resp: 452259

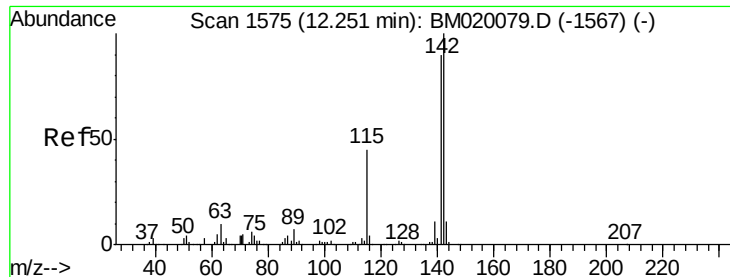
Ion Ratio Lower Upper

107 100

144 23.7 17.6 26.4

142 70.9 54.6 82.0





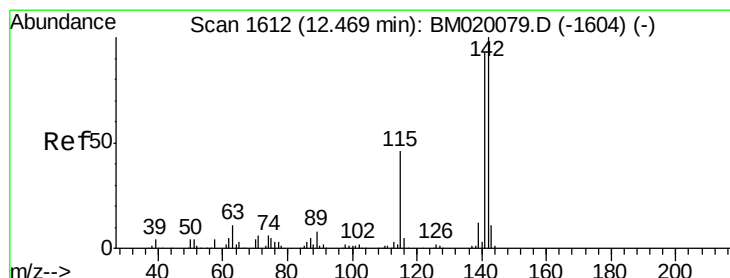
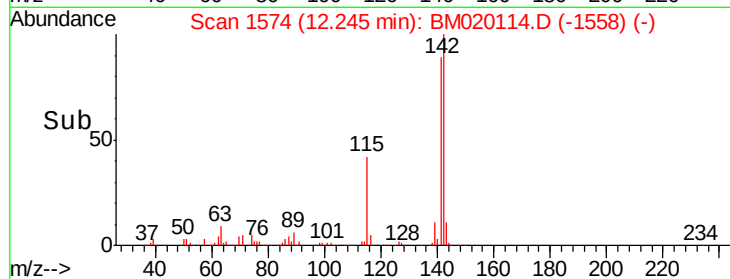
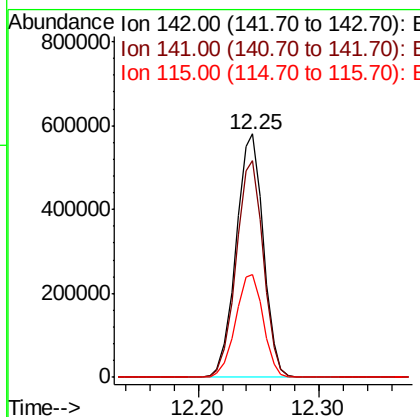
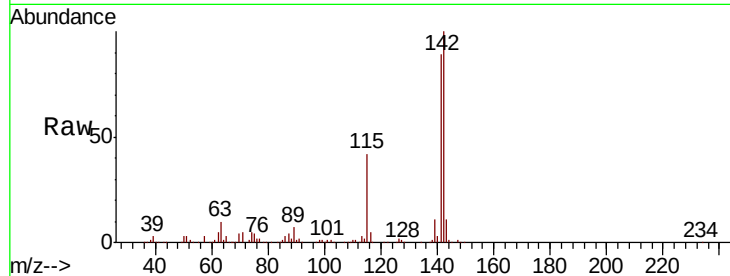
#37  
2-Methylnaphthalene  
Concen: 48.121 ng  
RT: 12.25 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.2  | 71.6  | 107.4 |
| 115     | 42.4  | 35.8  | 53.6  |

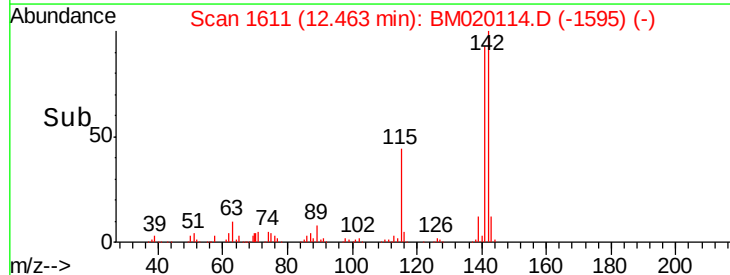
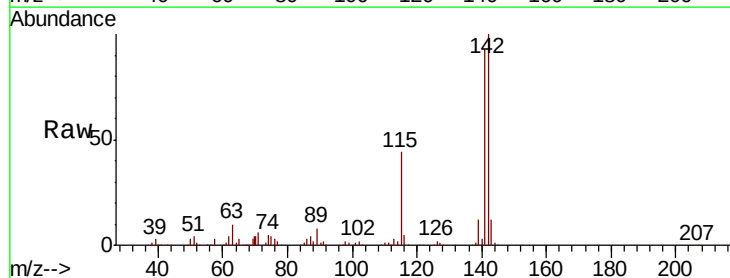
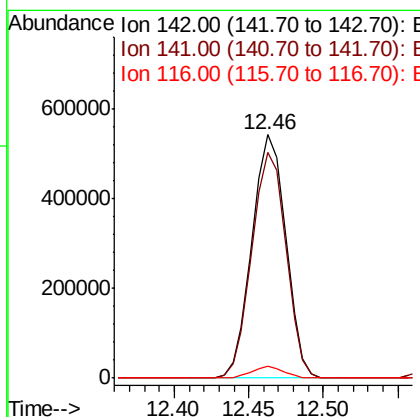
Manual Integrations  
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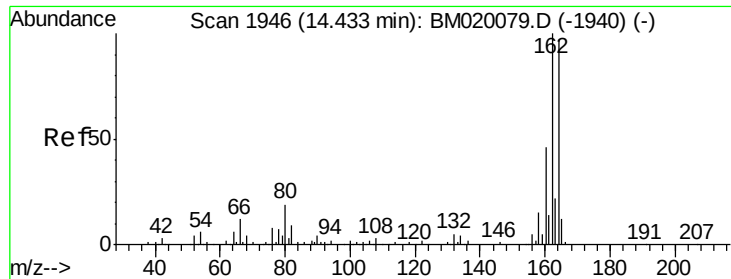
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 46.194 ng  
RT: 12.46 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 74.8  | 112.2 |
| 116     | 4.8   | 3.9   | 5.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

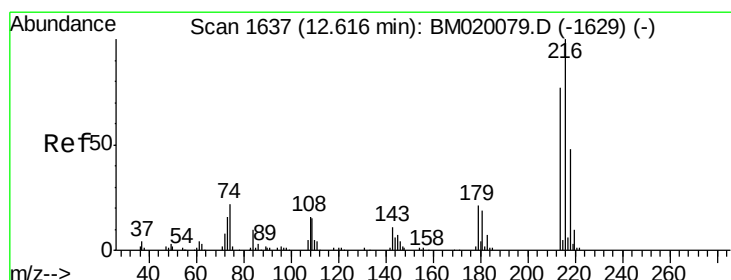
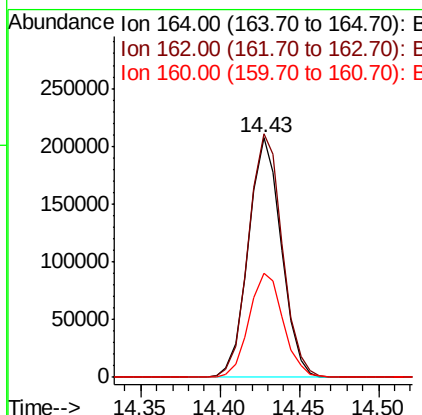
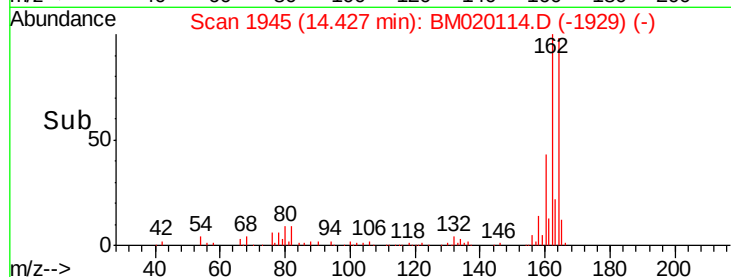
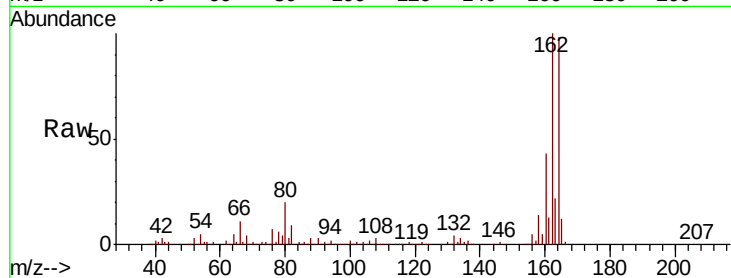
ClientSampled :

TP-2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 299238 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 82.2  | 123.2  |
| 160       | 43.5  | 37.6  | 56.4   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.281 ng

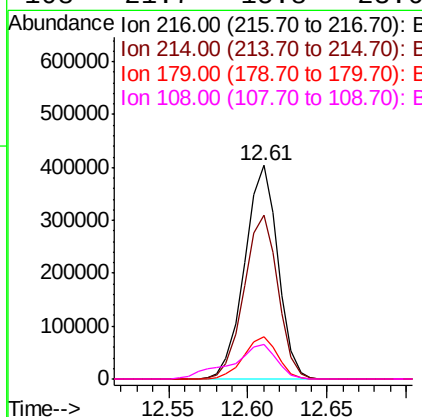
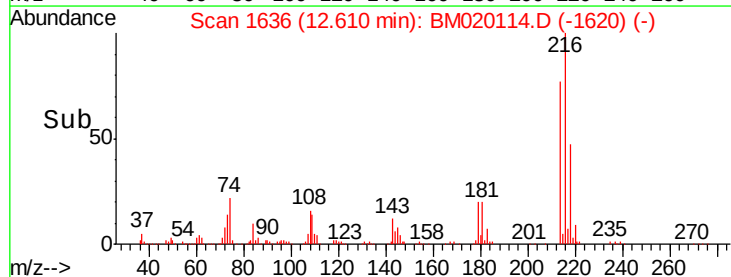
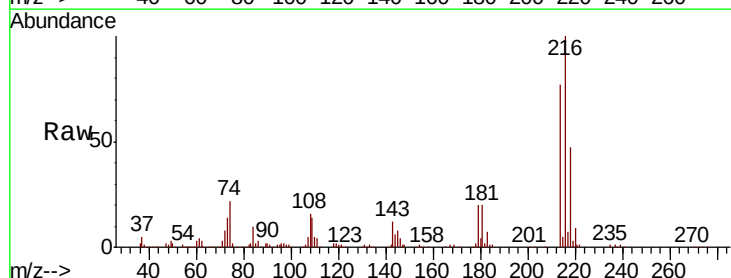
RT: 12.61 min Scan# 1636

Delta R.T. -0.01 min

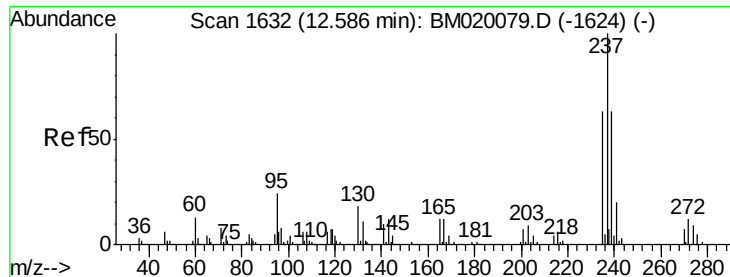
Lab File: BM020114.D

Acq: 03 May 2019 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 588659 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.0  | 62.6  | 94.0   |
| 179       | 20.1  | 17.1  | 25.7   |
| 108       | 21.7  | 15.8  | 23.6   |







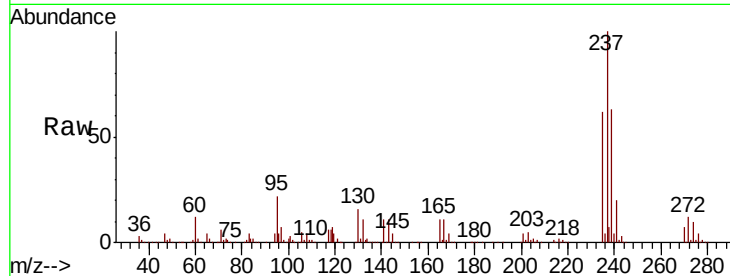
#41  
Hexachlorocyclopentadiene  
Concen: 125.731 ng  
RT: 12.58 min Scan# 1631  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

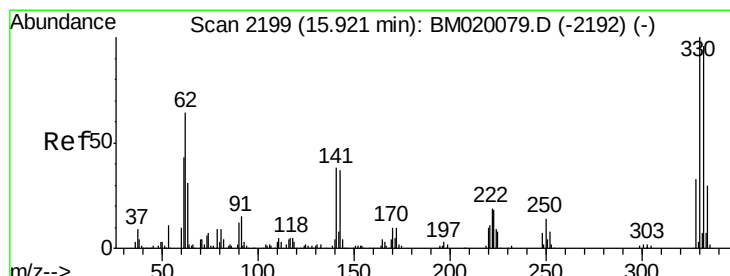
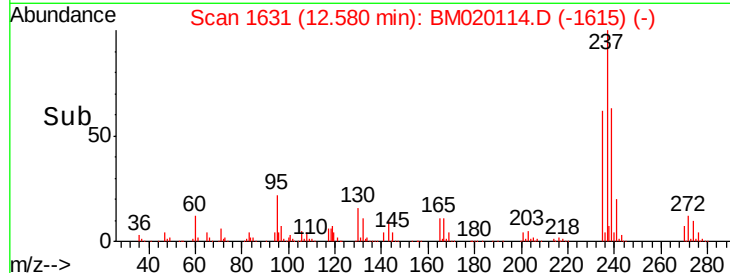
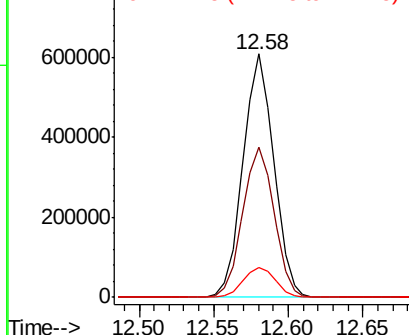
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 866705 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 61.9  | 43.4  | 83.4   |
| 272       | 12.4  | 0.0   | 31.7   |

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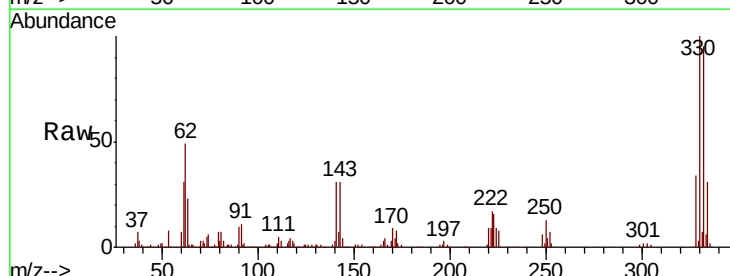


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

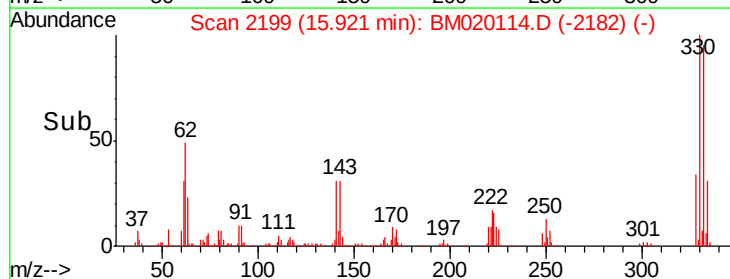
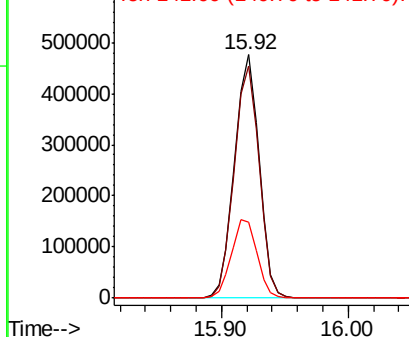


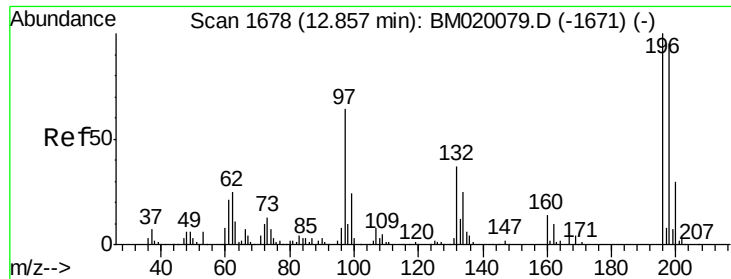
#42  
2,4,6-Tribromophenol  
Concen: 137.783 ng  
RT: 15.92 min Scan# 2199  
Delta R.T. -0.00 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 639967 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.8  | 76.8  | 115.2  |
| 141       | 33.8  | 29.2  | 43.8   |



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





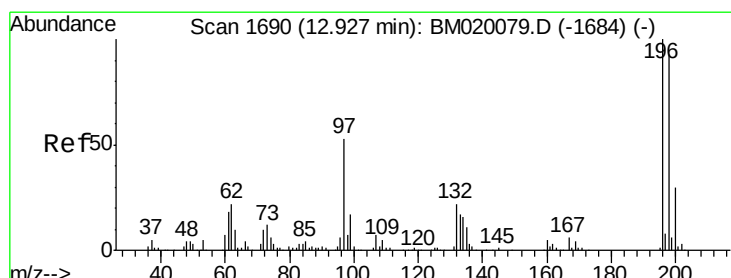
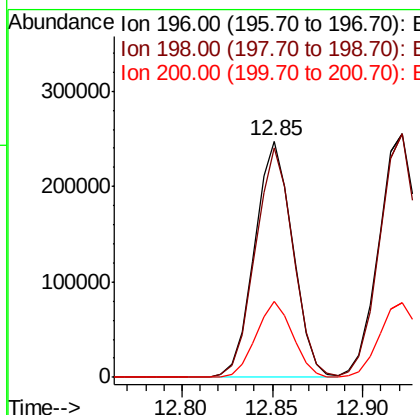
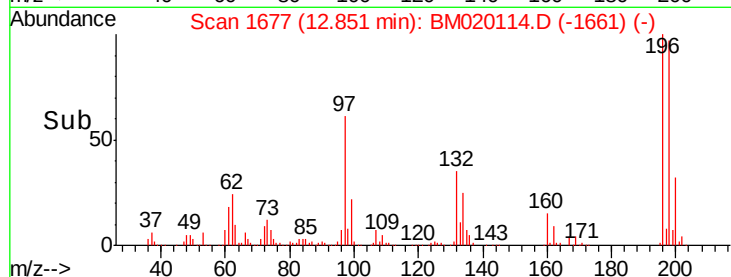
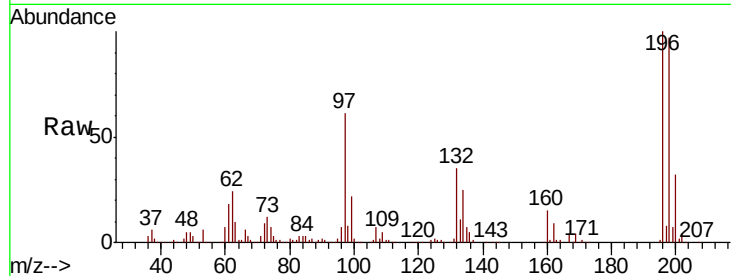
#43  
 2,4,6-Trichlorophenol  
 Concen: 54.392 ng  
 RT: 12.85 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 361904 |       |       |
| 198     | 97.1  | 76.2   | 114.2 |       |
| 200     | 32.3  | 24.3   | 36.5  |       |

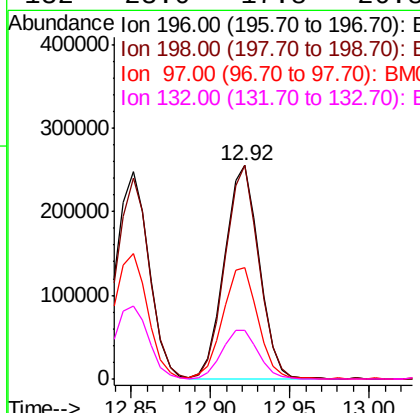
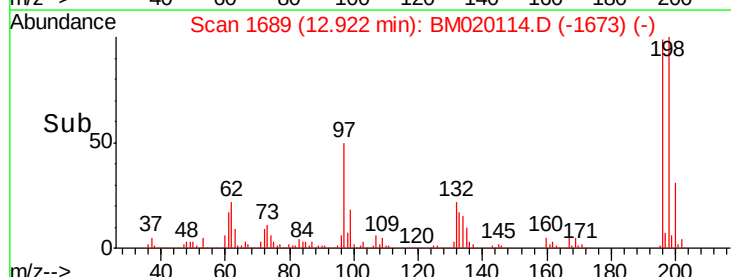
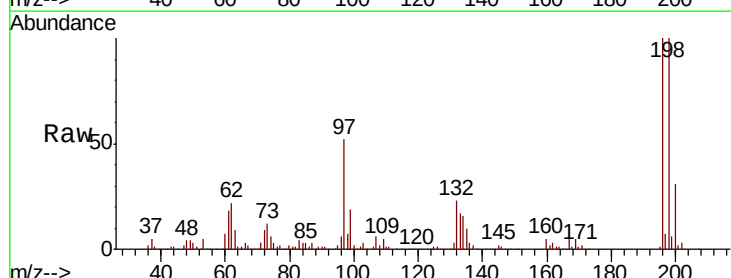
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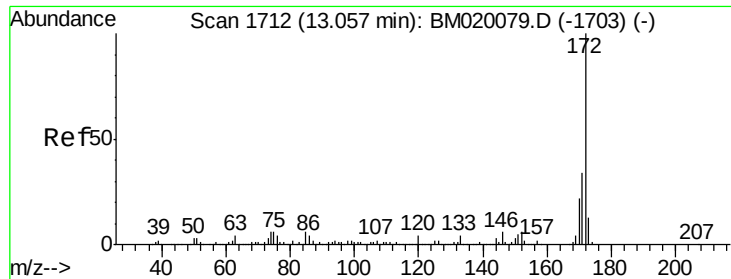
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#44  
 2,4,5-Trichlorophenol  
 Concen: 51.629 ng  
 RT: 12.92 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 383759 |       |       |
| 198     | 100.1 | 74.7   | 112.1 |       |
| 97      | 52.2  | 42.2   | 63.4  |       |
| 132     | 23.0  | 17.8   | 26.8  |       |





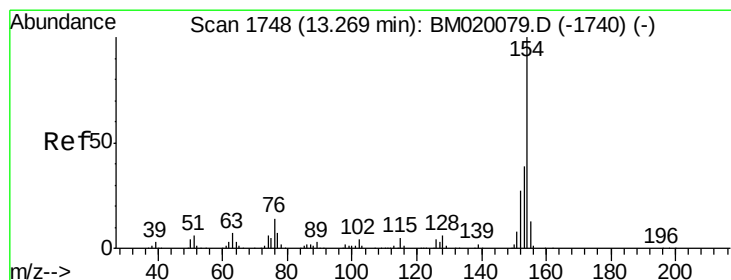
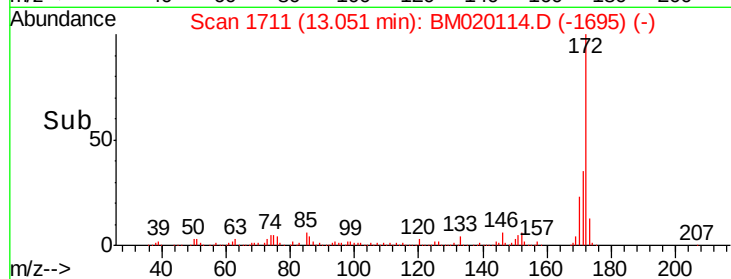
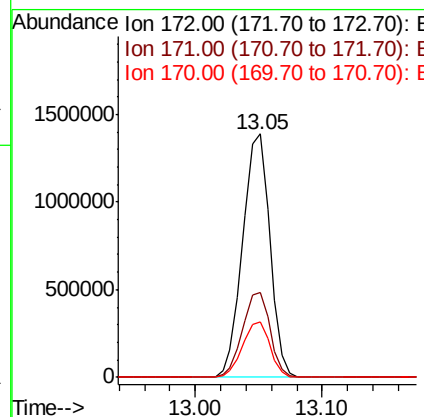
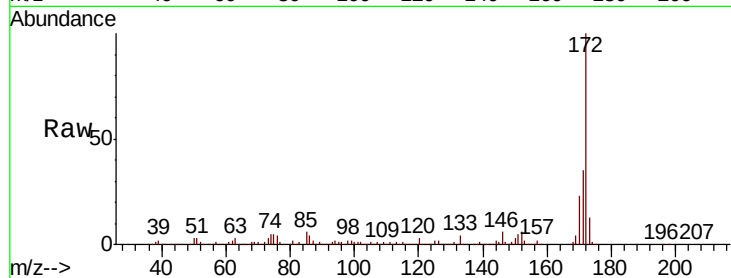
#45  
2-Fluorobiphenyl  
Concen: 84.957 ng  
RT: 13.05 min Scan# 1711  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 27.3  | 40.9  |
| 170     | 22.9  | 17.9  | 26.9  |

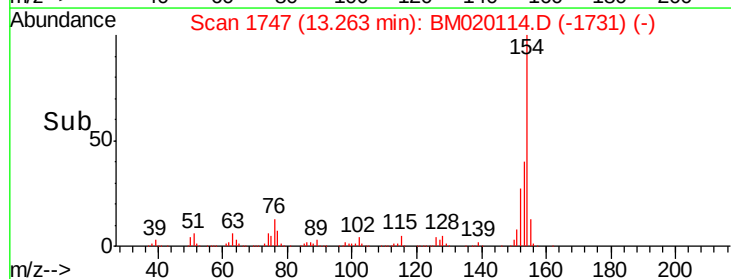
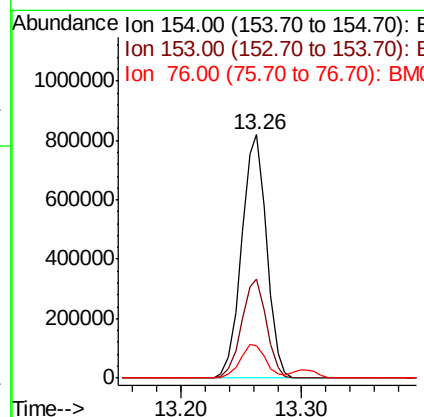
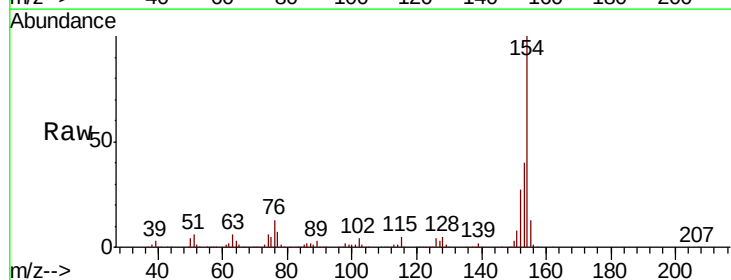
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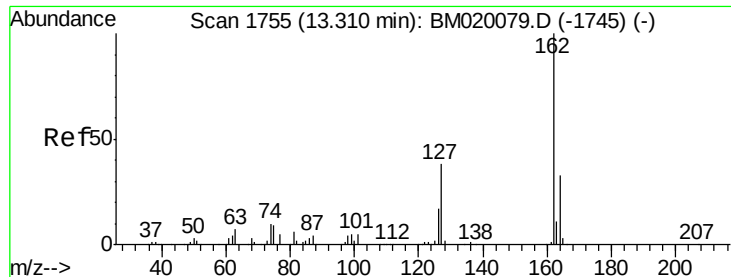
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#46  
1,1'-Biphenyl  
Concen: 47.879 ng  
RT: 13.26 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.4  | 19.4  | 59.4  |
| 76      | 13.5  | 0.0   | 34.5  |





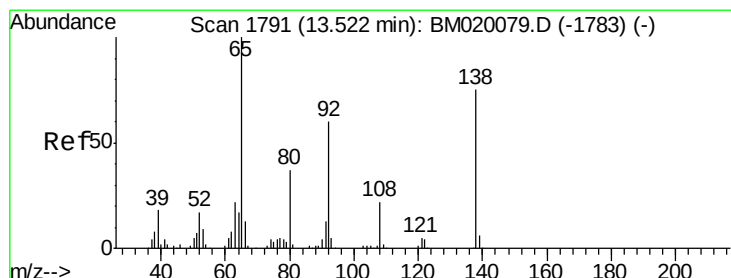
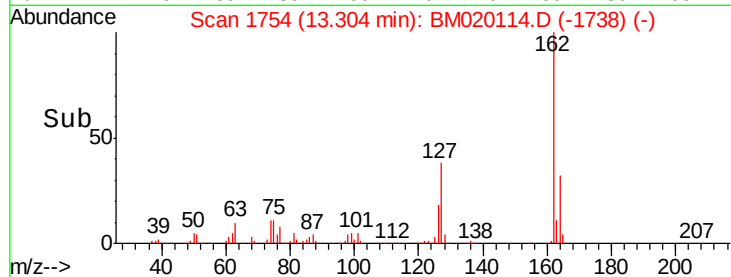
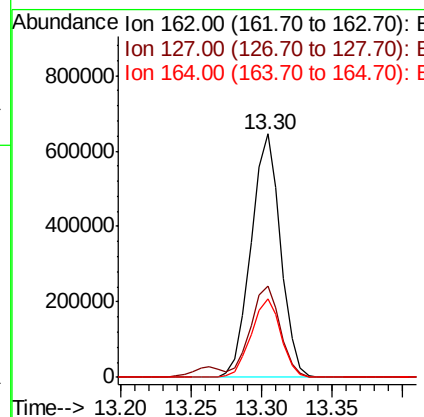
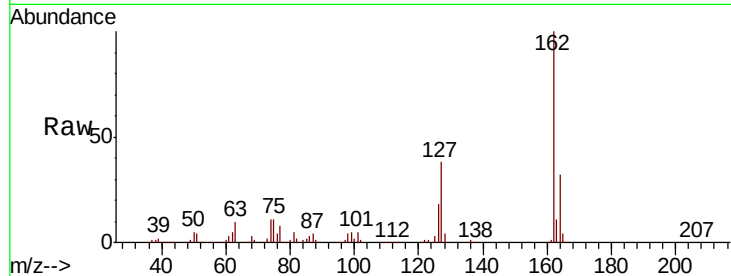
#47  
 2-Chloronaphthalene  
 Concen: 48.226 ng  
 RT: 13.30 min Scan# 1754  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 948371 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 37.7  | 31.0  | 46.4   |
| 164       | 32.1  | 26.2  | 39.2   |

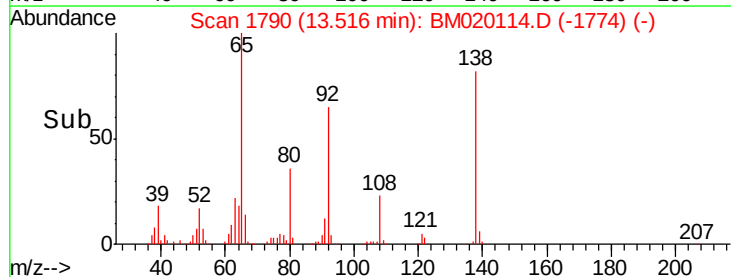
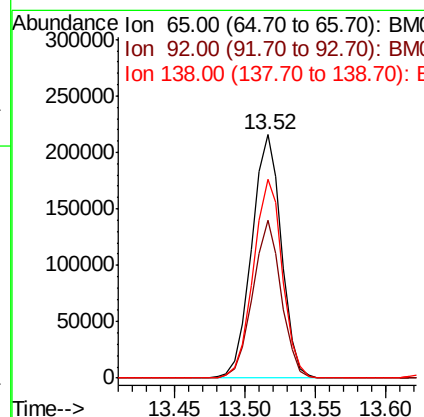
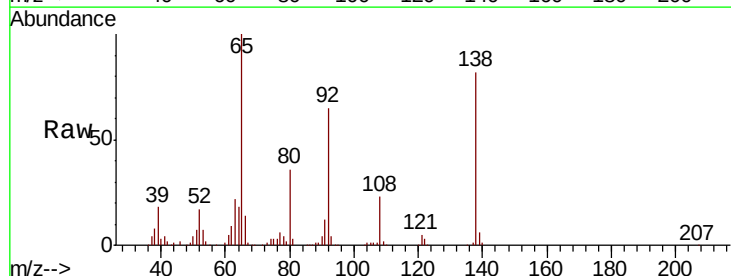
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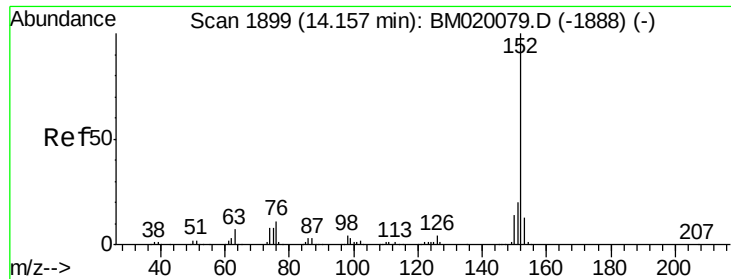
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#48  
 2-Nitroaniline  
 Concen: 45.437 ng  
 RT: 13.52 min Scan# 1790  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 318107 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 64.6  | 48.2  | 72.4   |
| 138       | 81.6  | 60.3  | 90.5   |





#49

Acenaphthylene

Concen: 45.302 ng

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

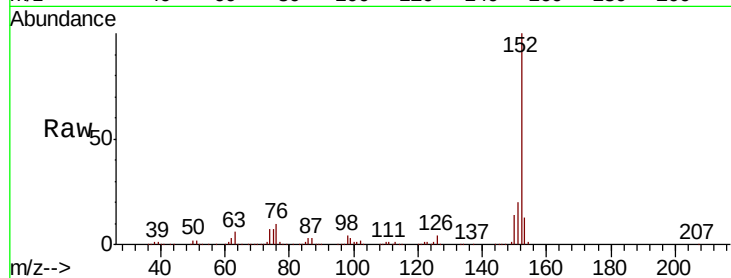
ClientSampled :

TP-2MSD

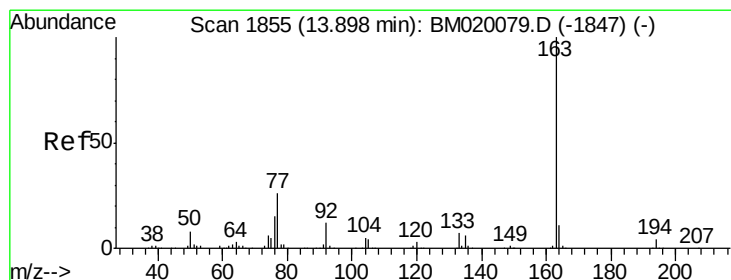
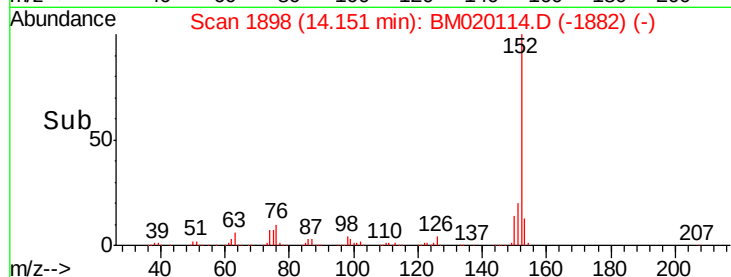
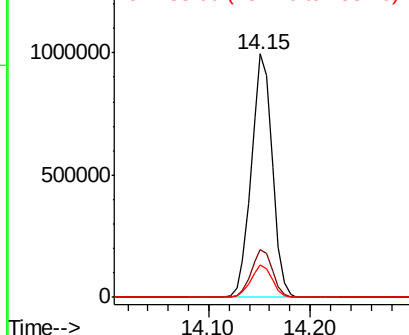
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 1425741 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 19.5  | 16.2  | 24.2    |
| 153      | 13.1  | 10.6  | 16.0    |

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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: 55.744 ng

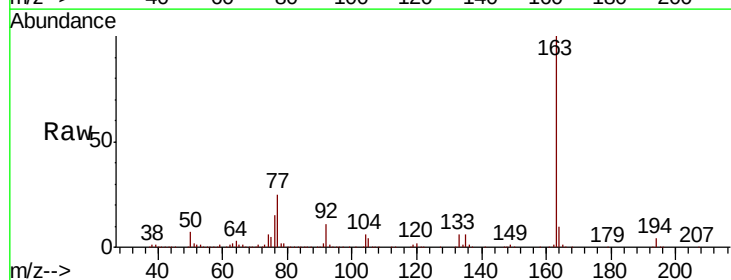
RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

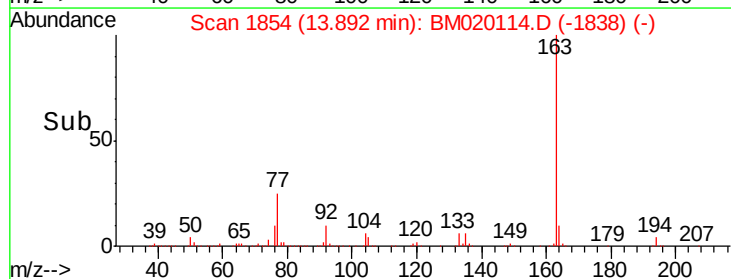
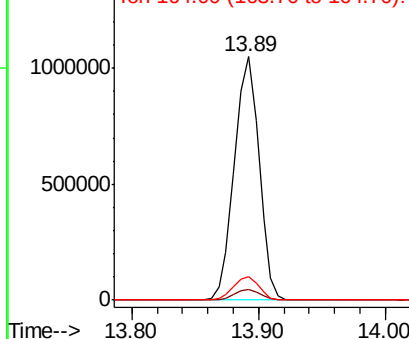
Lab File: BM020114.D

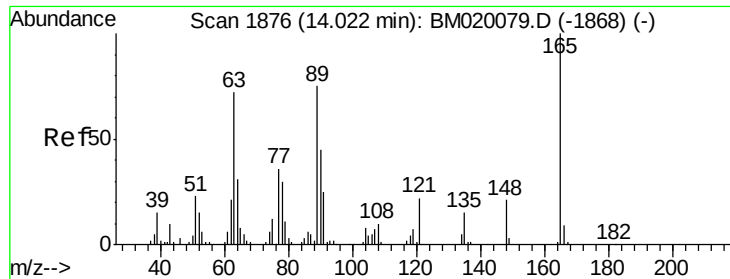
Acq: 03 May 2019 16:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 1417736 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.4   | 3.6   | 5.4     |
| 164      | 9.5   | 8.4   | 12.6    |



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





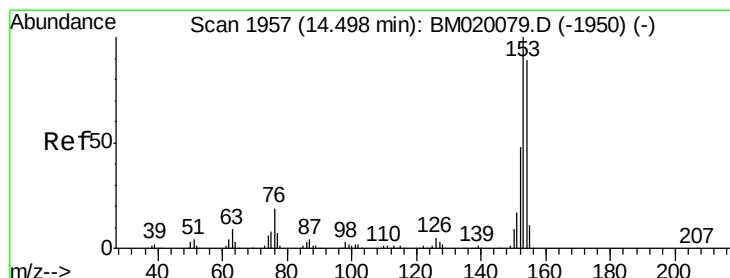
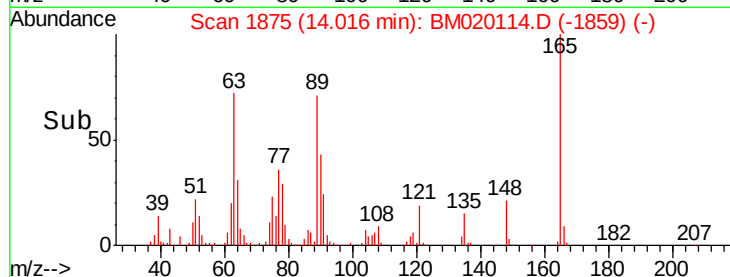
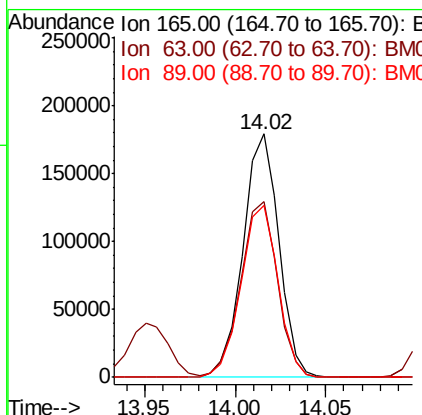
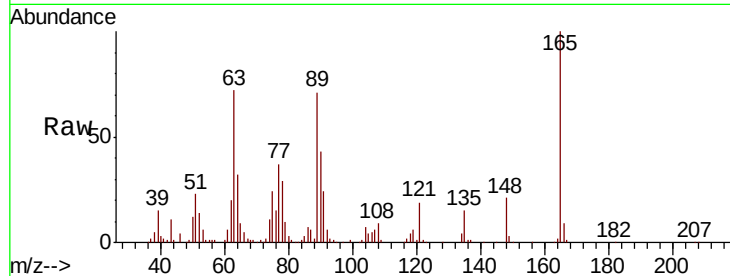
#51  
 2,6-Dinitrotoluene  
 Concen: 45.888 ng  
 RT: 14.02 min Scan# 1875  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 245807 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 72.4  | 60.3  | 90.5   |
| 89        | 70.7  | 59.8  | 89.6   |

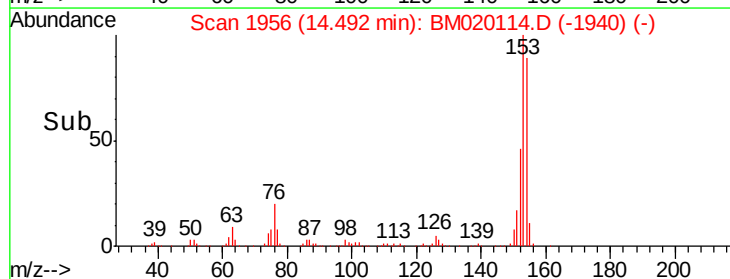
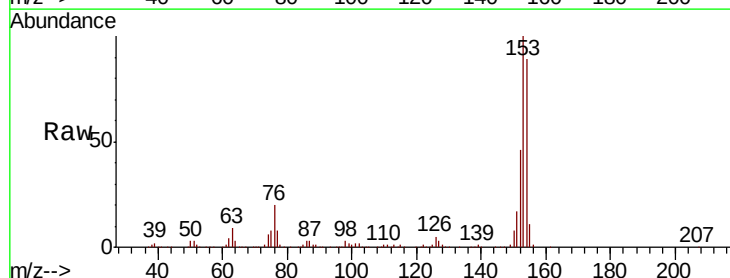
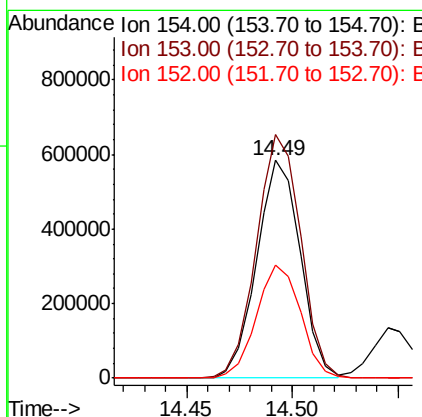
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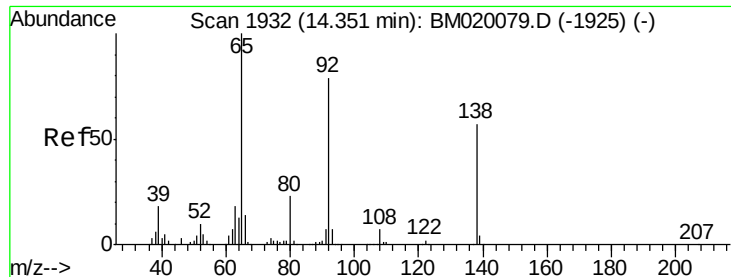
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#52  
 Acenaphthene  
 Concen: 46.471 ng  
 RT: 14.49 min Scan# 1956  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 838701 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.9 | 90.2  | 135.2  |
| 152       | 51.9  | 43.0  | 64.4   |





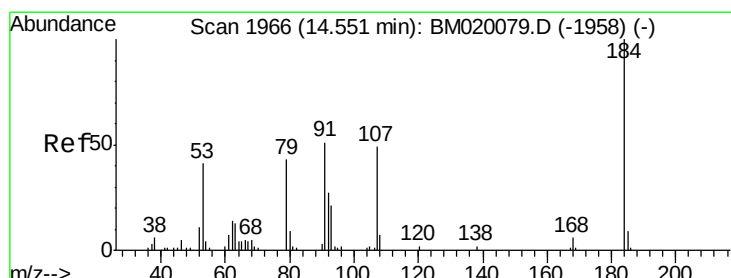
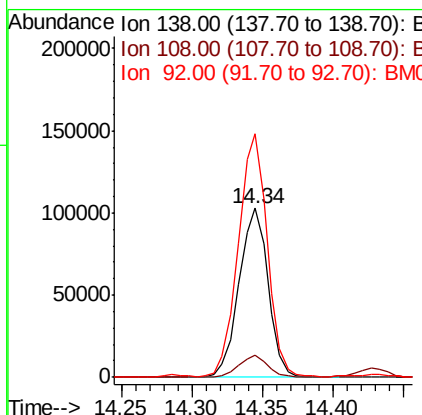
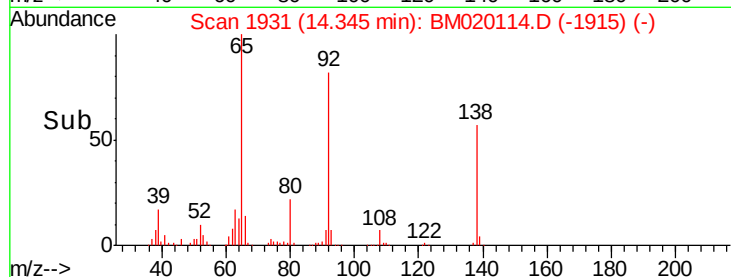
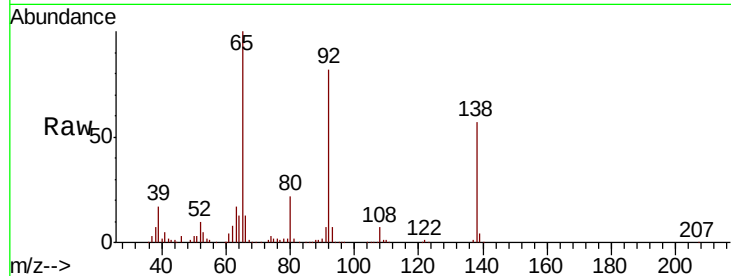
#53  
3-Nitroaniline  
Concen: 29.871 ng  
RT: 14.34 min Scan# 1931  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 12.9  | 10.4  | 15.6  |
| 92      | 143.8 | 111.3 | 166.9 |

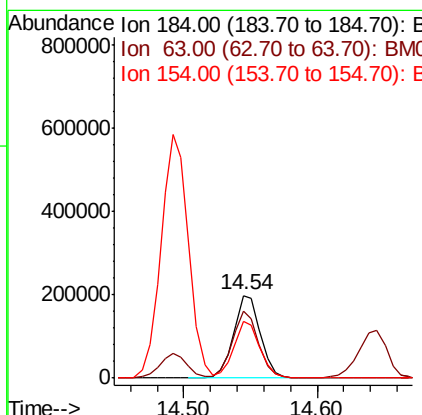
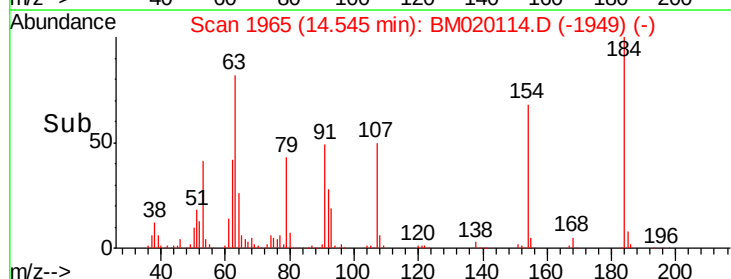
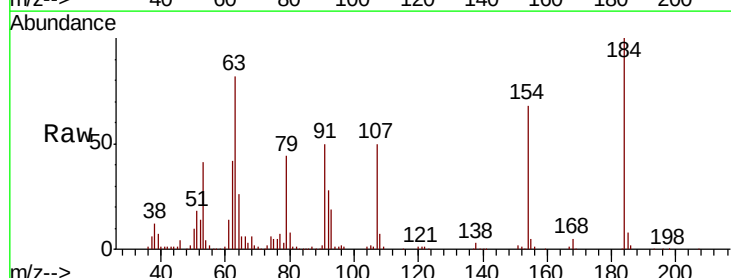
Manual Integrations  
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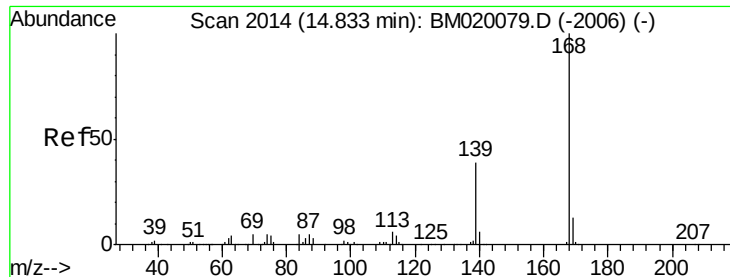
mohammad  
5/7/2019 11:59:08 PM



#54  
2,4-Dinitrophenol  
Concen: 100.753 ng  
RT: 14.54 min Scan# 1965  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 81.9  | 68.9  | 103.3 |
| 154     | 68.1  | 54.4  | 81.6  |





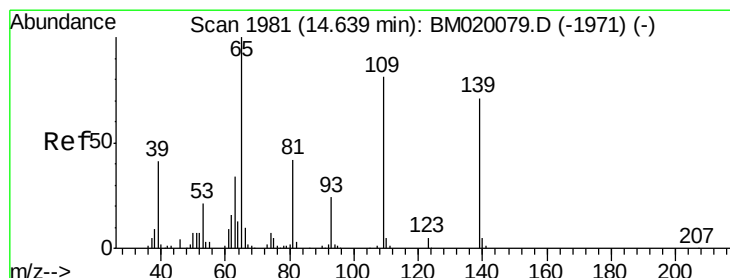
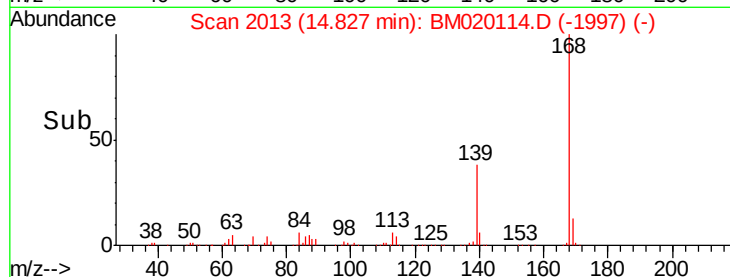
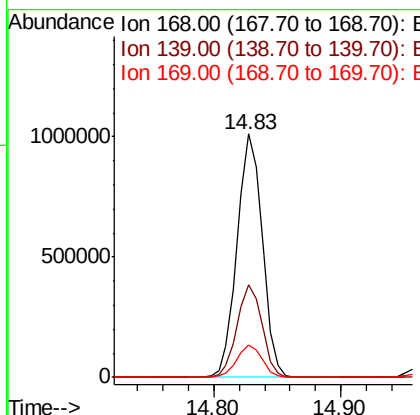
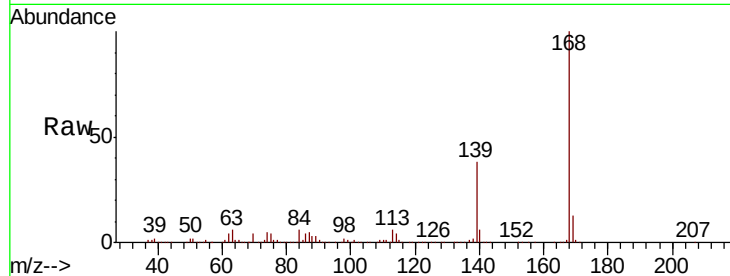
#55  
Dibenzofuran  
Concen: 45.720 ng  
RT: 14.83 min Scan# 2013  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 37.9  | 31.1  | 46.7  |
| 169     | 13.5  | 10.6  | 16.0  |

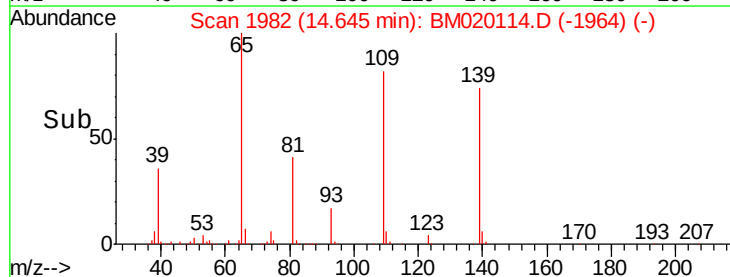
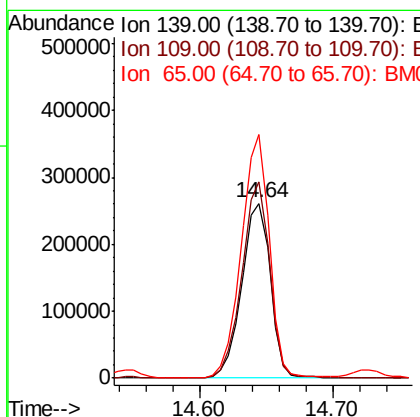
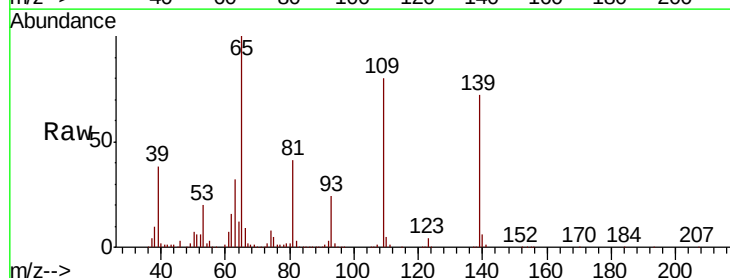
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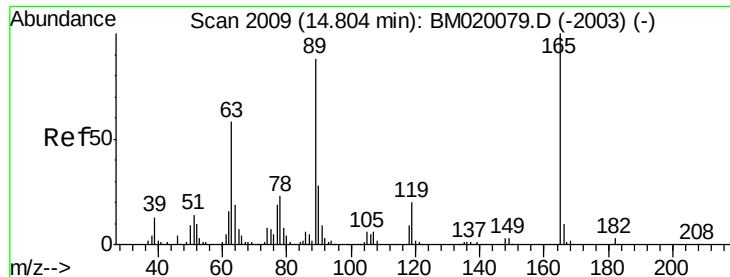


#56  
4-Nitrophenol  
Concen: 90.930 ng  
RT: 14.64 min Scan# 1982  
Delta R.T. 0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 112.0 | 94.1  | 134.1 |
| 65      | 139.2 | 120.9 | 160.9 |







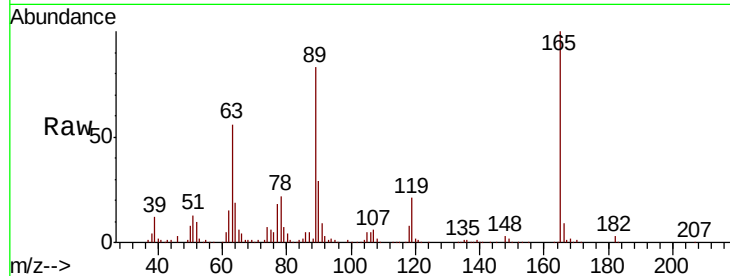
#57  
2,4-Dinitrotoluene  
Concen: 46.180 ng  
RT: 14.80 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

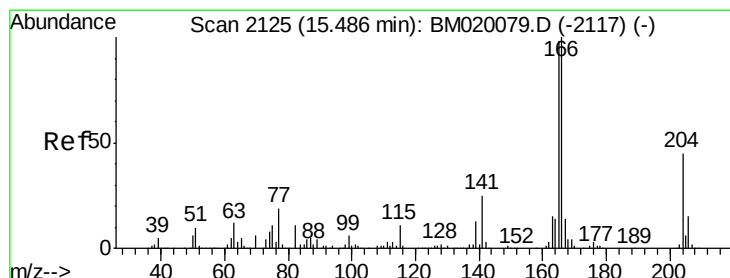
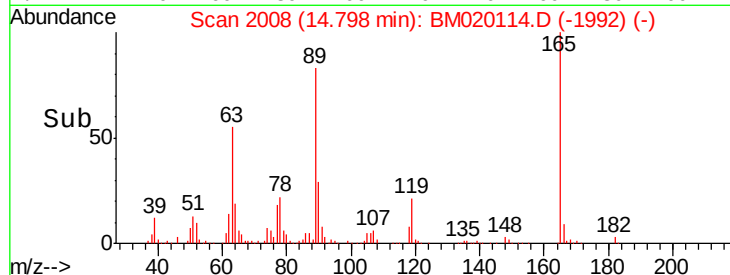
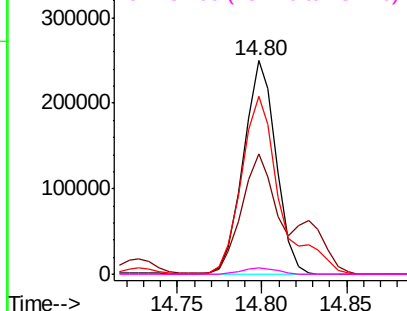
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 336136 |       |       |
| 63      | 56.1 | 46.2  | 69.2   |       |       |
| 89      | 83.1 | 70.6  | 105.8  |       |       |
| 182     | 2.9  | 2.2   | 3.2    |       |       |

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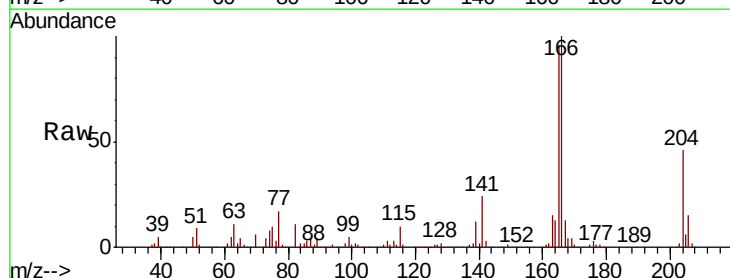


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 89.00 (88.70 to 89.70): BM  
Ion 182.00 (181.70 to 182.70): E

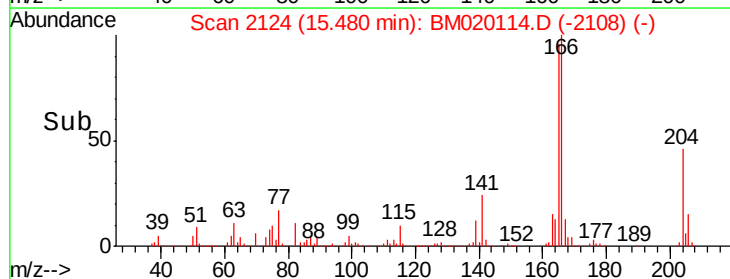
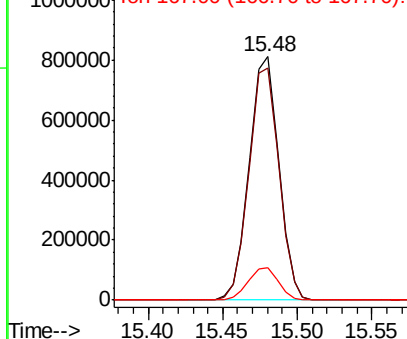


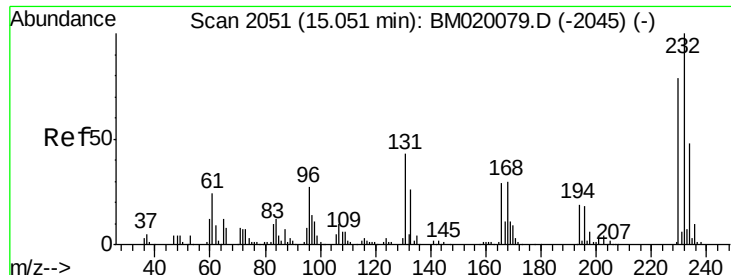
#58  
Fluorene  
Concen: 44.487 ng  
RT: 15.48 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1112254 |       |       |
| 165     | 95.5 | 78.2  | 117.2   |       |       |
| 167     | 13.3 | 11.0  | 16.4    |       |       |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





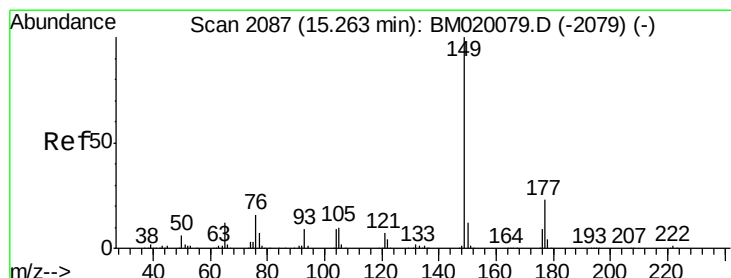
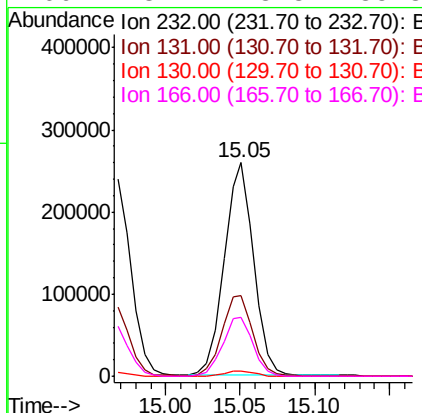
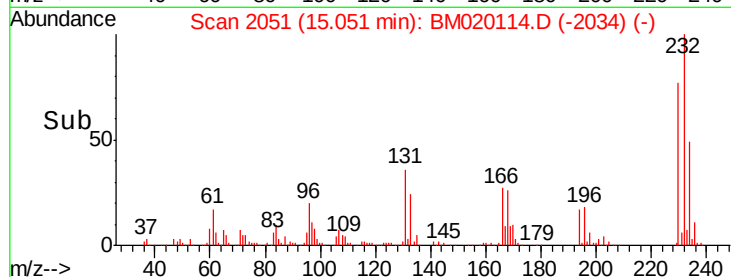
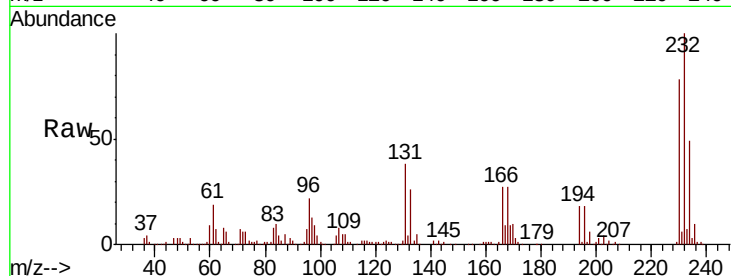
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.591 ng  
 RT: 15.05 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 357352 |       |       |
| 131     | 40.3  |        | 34.2  | 51.4  |
| 130     | 2.5   |        | 2.0   | 3.0   |
| 166     | 28.7  |        | 23.8  | 35.8  |

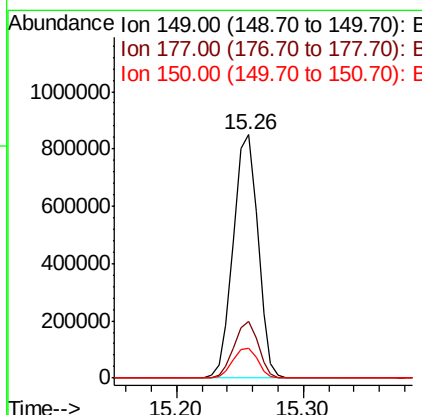
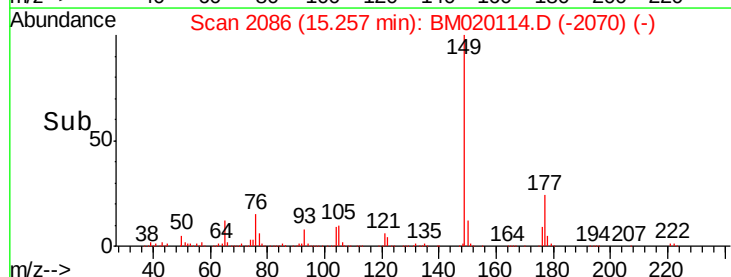
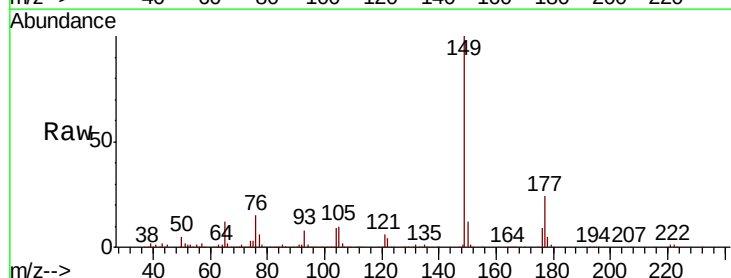
Manual Integrations  
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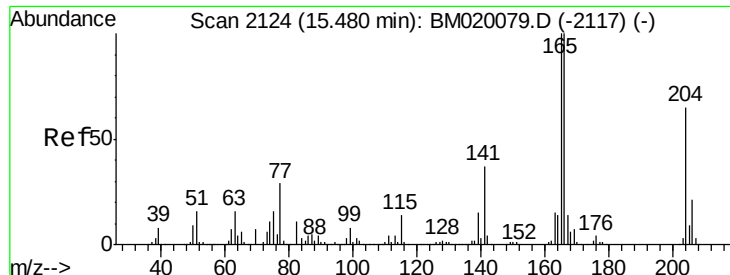
mohammad  
 5/7/2019 11:59:08 PM



#60  
 Diethylphthalate  
 Concen: 44.576 ng  
 RT: 15.26 min Scan# 2086  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1142190 |       |       |
| 177     | 23.6  |         | 18.2  | 27.4  |
| 150     | 12.5  |         | 9.9   | 14.9  |





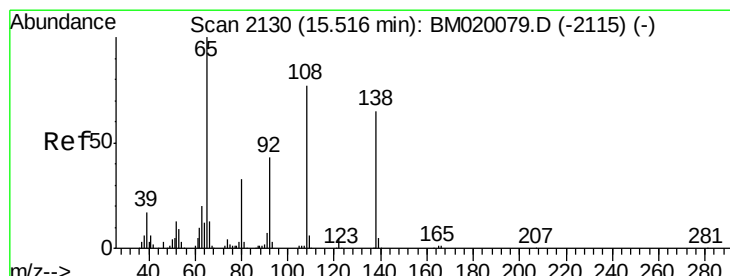
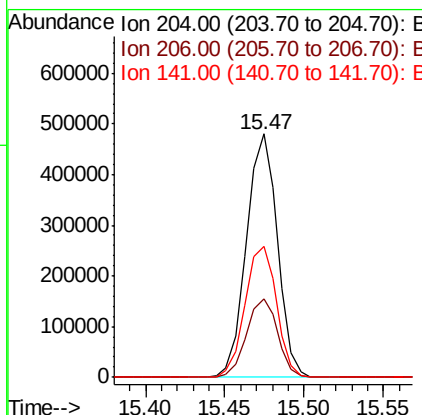
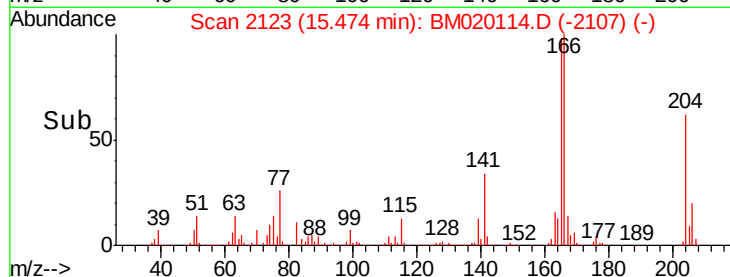
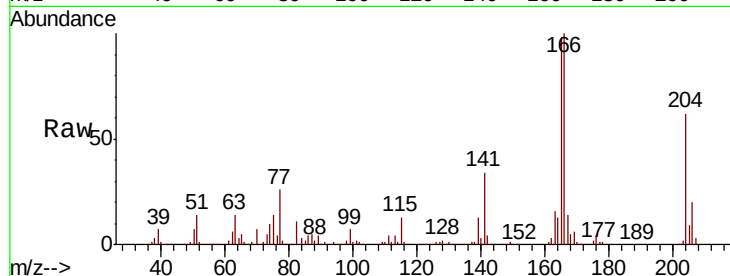
#61  
4-Chlorophenyl-phenylether  
Concen: 45.997 ng  
RT: 15.47 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 651600 |       |       |
| 206     | 32.1  | 25.6   | 38.4  |       |
| 141     | 53.8  | 46.1   | 69.1  |       |

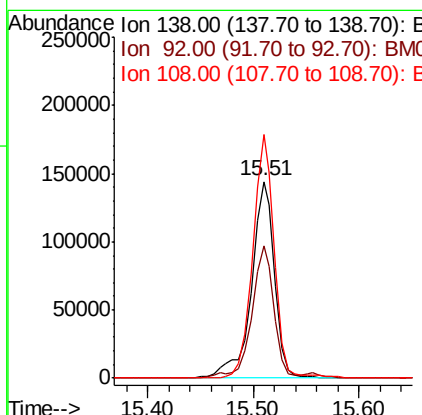
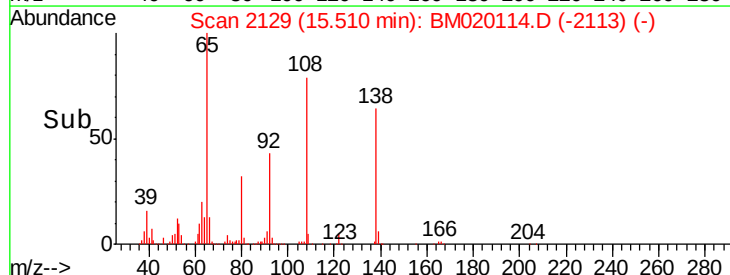
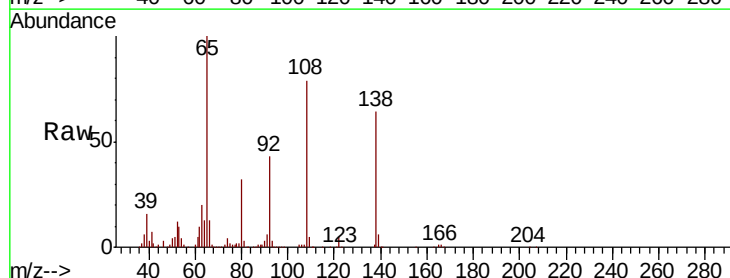
Manual Integrations  
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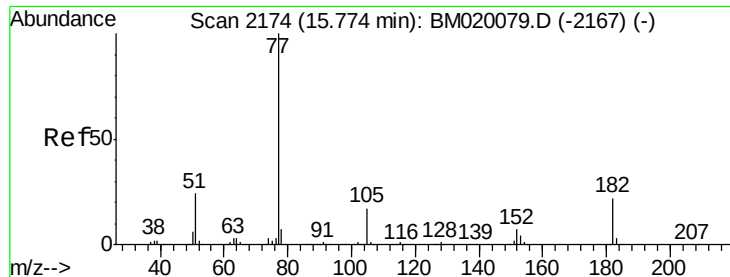
mohammad  
5/7/2019 11:59:08 PM



#62  
4-Nitroaniline  
Concen: 40.652 ng  
RT: 15.51 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 223043 |       |       |
| 92      | 67.3  | 45.9   | 85.9  |       |
| 108     | 123.8 | 97.7   | 137.7 |       |





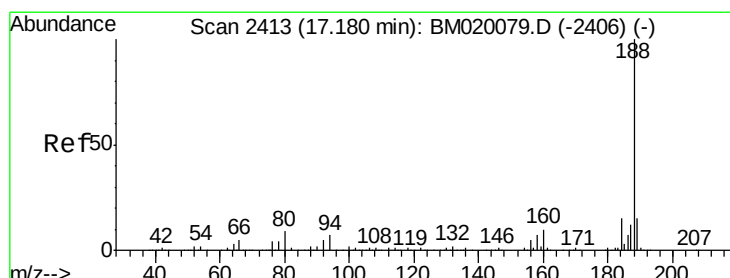
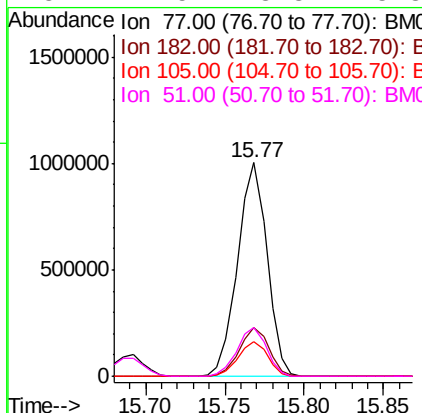
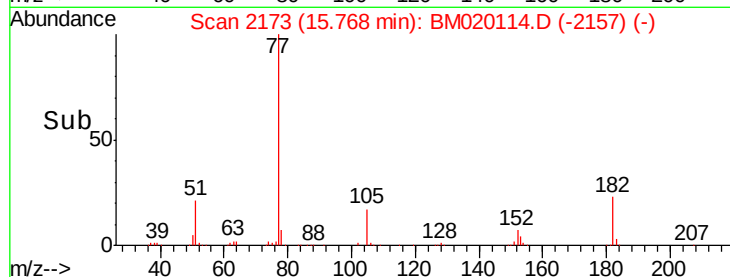
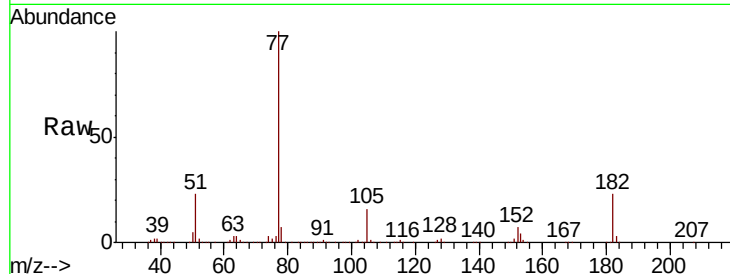
#63  
Azobenzene  
Concen: 42.874 ng  
RT: 15.77 min Scan# 2173  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 22.6 | 2.1   | 42.1  |       |
| 105     | 16.4 | 0.0   | 36.8  |       |
| 51      | 22.5 | 3.8   | 43.8  |       |

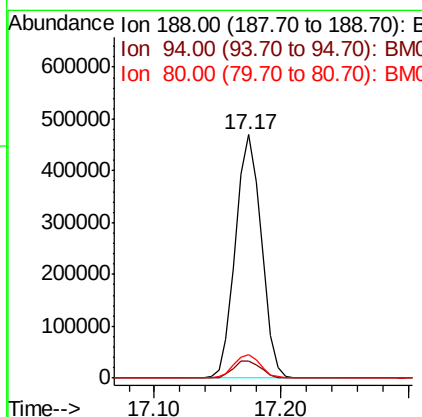
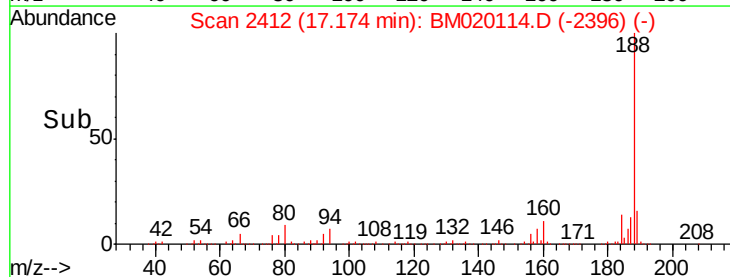
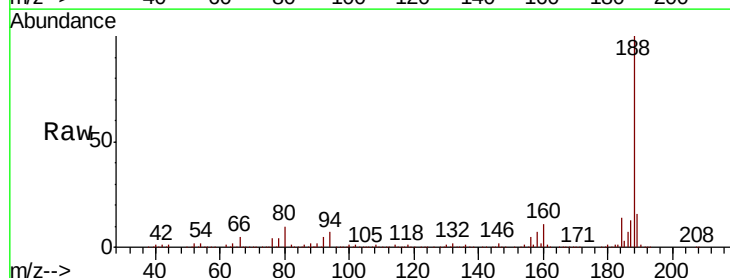
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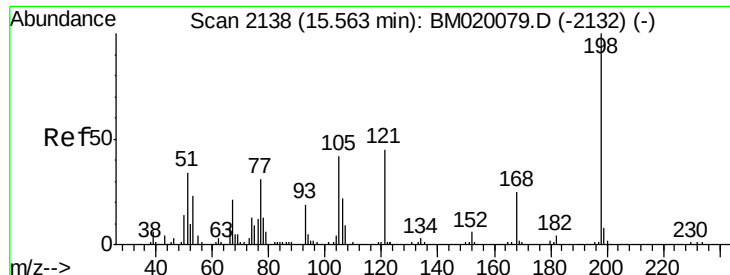
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.17 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 7.1 | 5.8   | 8.6   |       |
| 80      | 9.6 | 7.4   | 11.2  |       |





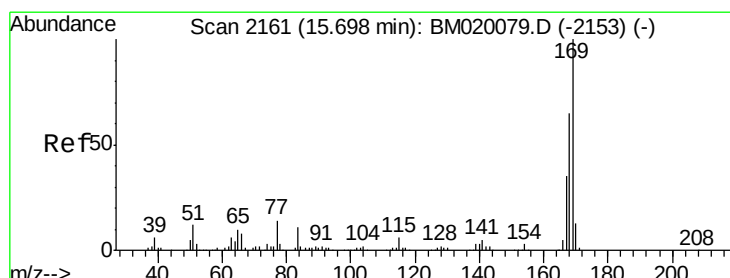
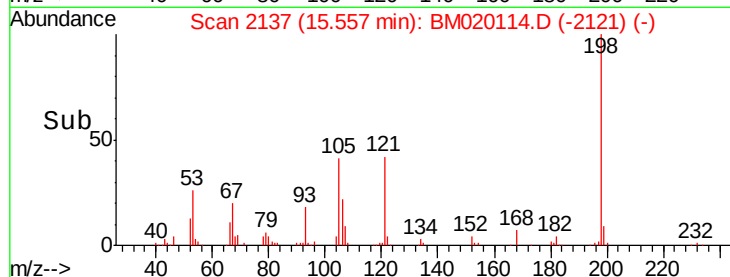
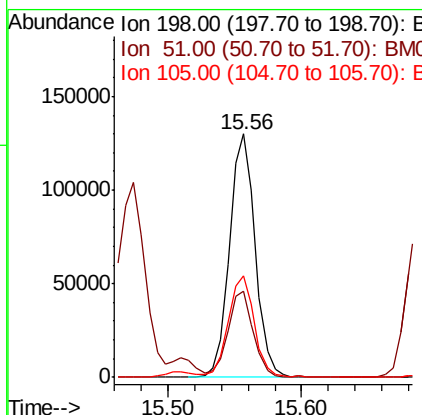
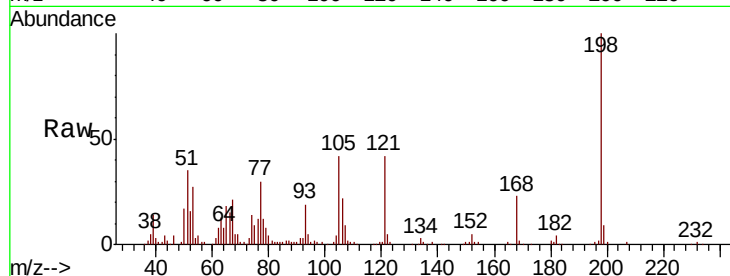
#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.734 ng  
RT: 15.56 min Scan# 2137  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 174669 |       |       |
| 51      | 35.2  | 16.5   | 56.5  |       |
| 105     | 41.7  | 22.8   | 62.8  |       |

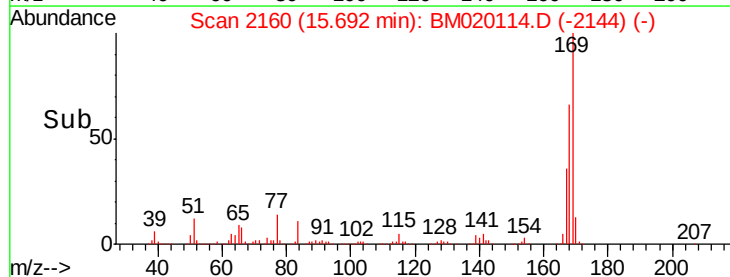
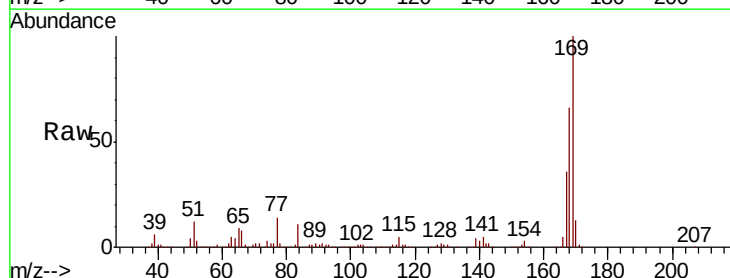
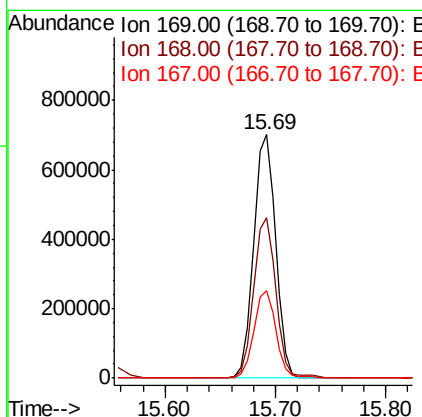
Manual Integrations  
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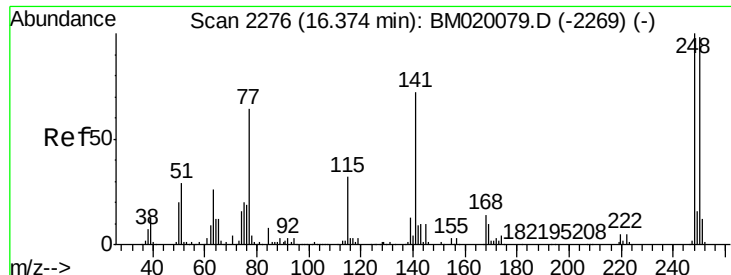
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#66  
n-Nitrosodiphenylamine  
Concen: 50.472 ng  
RT: 15.69 min Scan# 2160  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 981388 |       |       |
| 168     | 66.1  | 51.9   | 77.9  |       |
| 167     | 35.9  | 27.8   | 41.6  |       |





#67

4-Bromophenyl-phenylether

Concen: 48.885 ng

RT: 16.37 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

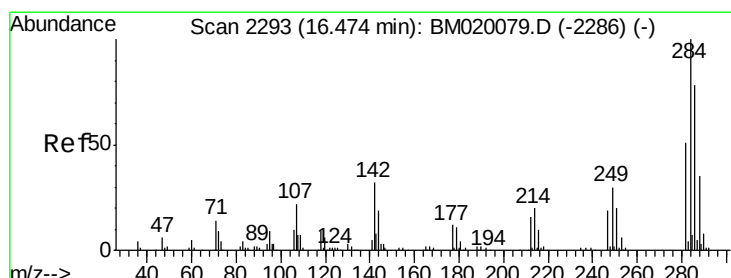
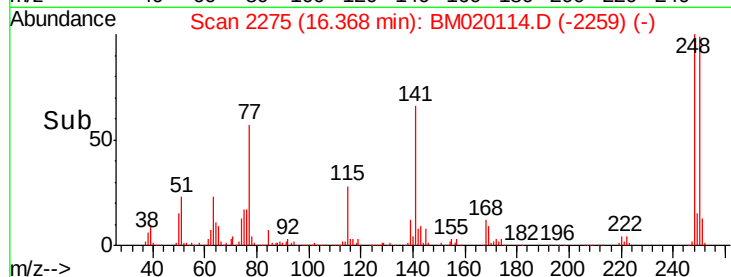
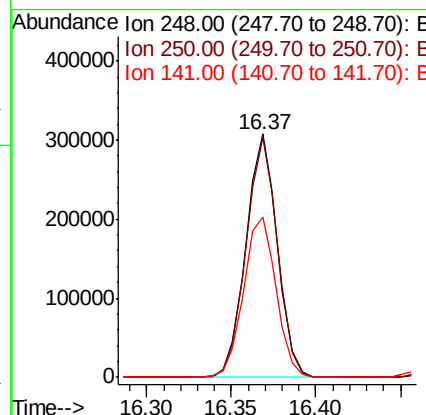
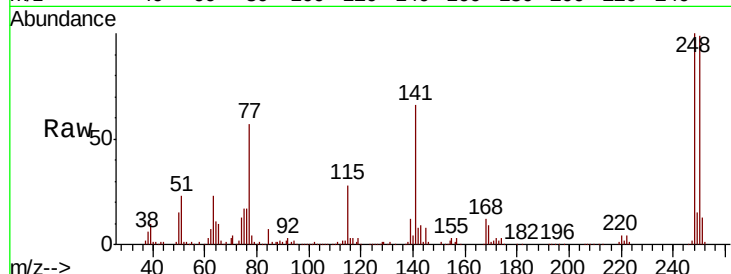
ClientSampleId :

TP-2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 396112 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 98.7  | 78.4  | 117.6  |
| 141       | 65.9  | 57.4  | 86.2   |

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#68

Hexachlorobenzene

Concen: 47.658 ng

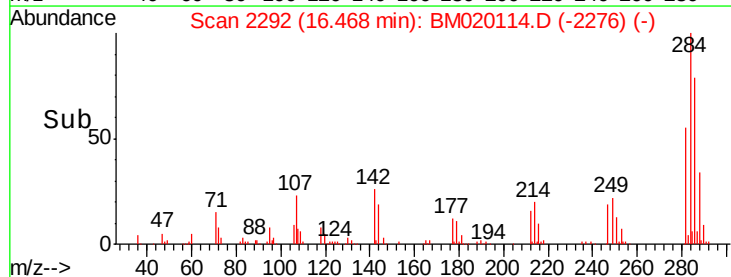
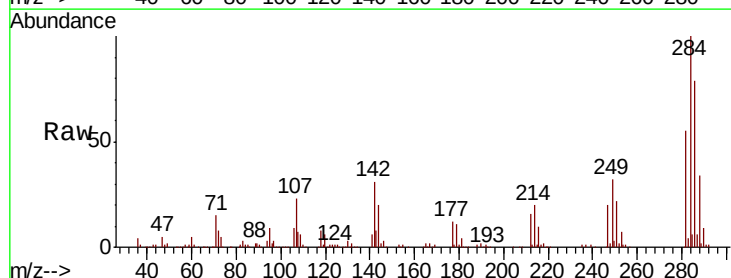
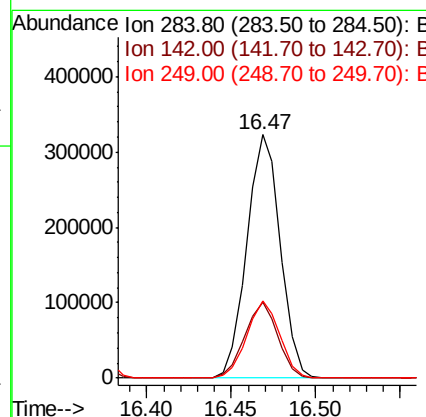
RT: 16.47 min Scan# 2292

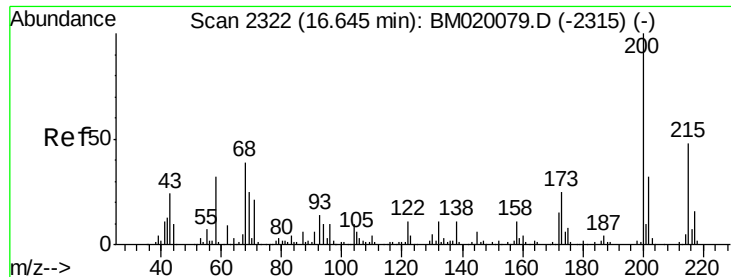
Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 444384 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 31.4  | 25.2  | 37.8   |
| 249       | 31.7  | 23.6  | 35.4   |





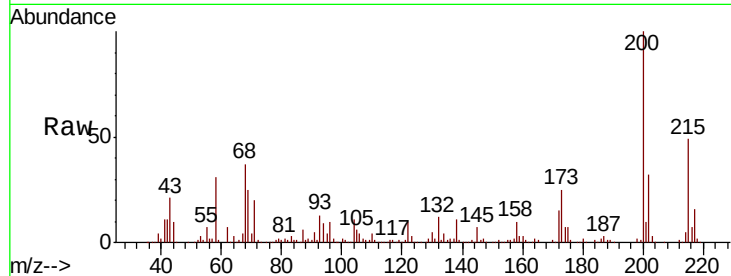
#69  
 Atrazine  
 Concen: 46.960 ng  
 RT: 16.64 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 24.7  | 4.6        | 44.6  |
| 215     | 49.0  | 28.0       | 68.0  |

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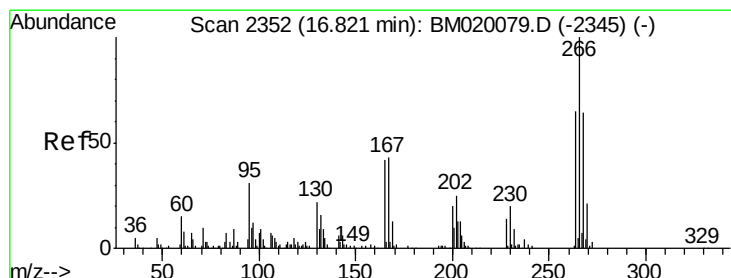
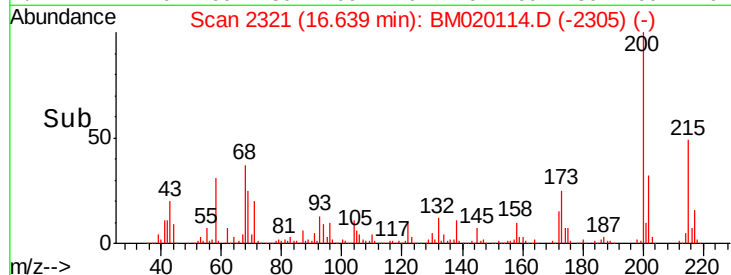
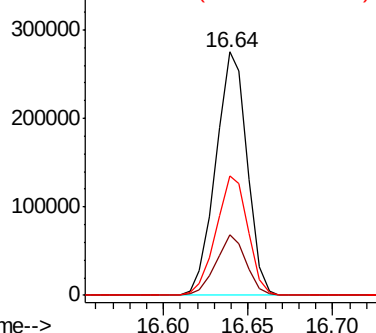


Abundance

Ion 200.00 (199.70 to 200.70): E

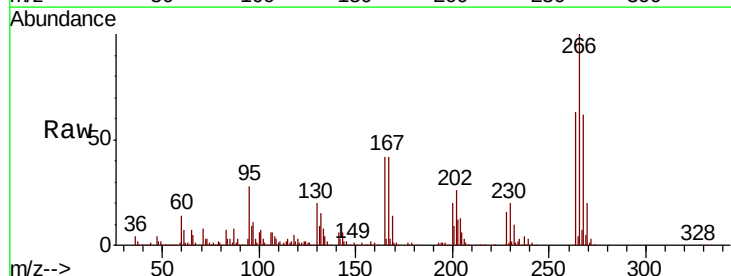
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
 Pentachlorophenol  
 Concen: 105.225 ng  
 RT: 16.82 min Scan# 2351  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 62.4  | 51.4       | 77.0  |
| 264     | 63.2  | 52.0       | 78.0  |

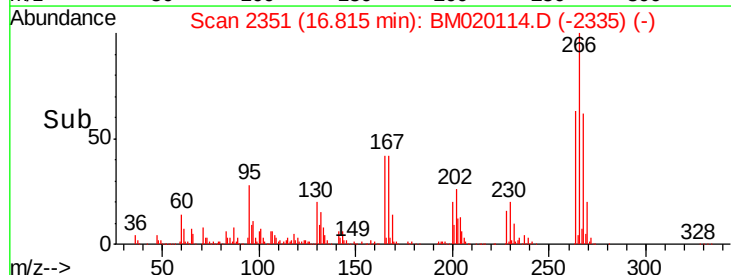
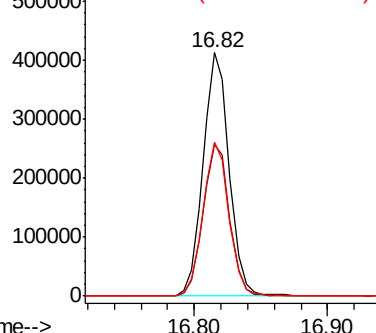


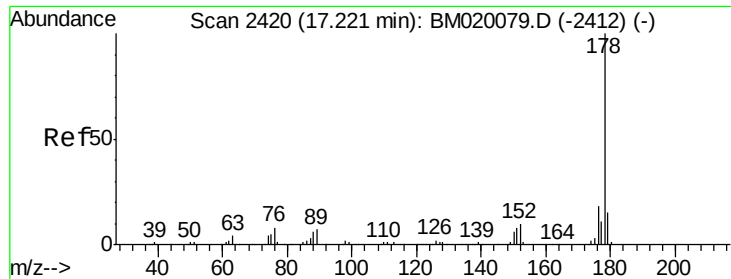
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





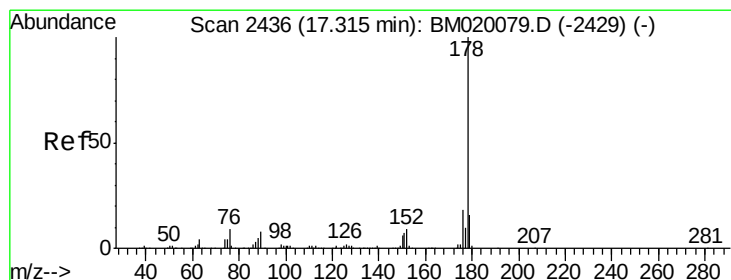
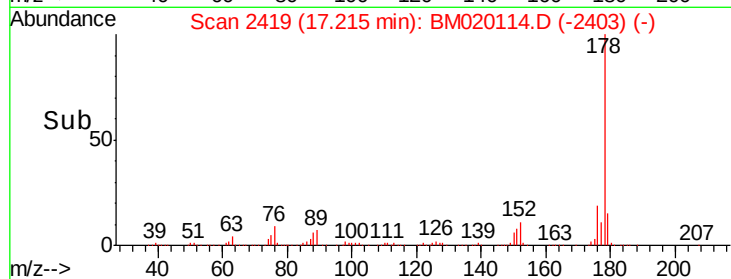
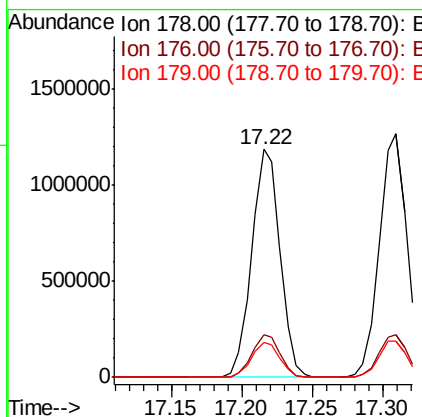
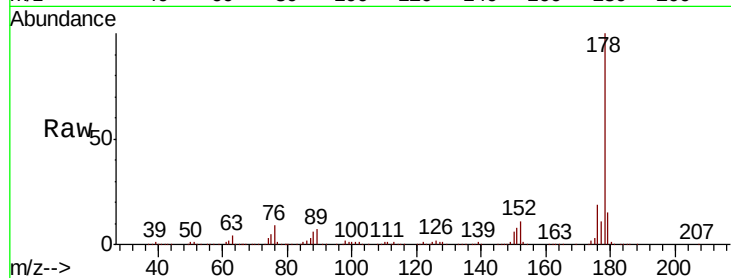
#71  
Phenanthrene  
Concen: 45.807 ng  
RT: 17.22 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

Tot Ion:178 Resp: 1670877  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.6 21.8  
179 15.3 12.4 18.6

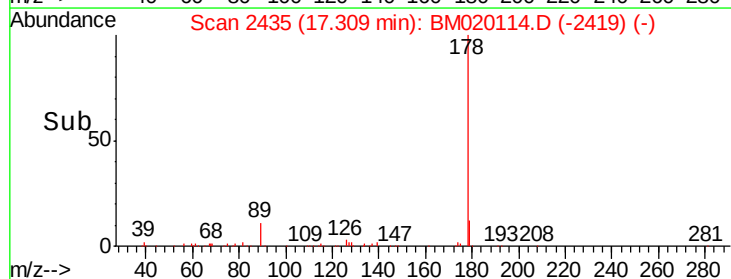
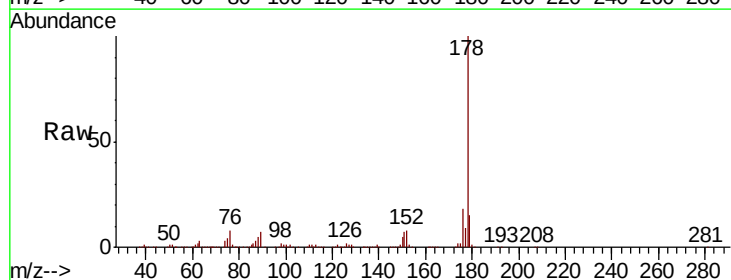
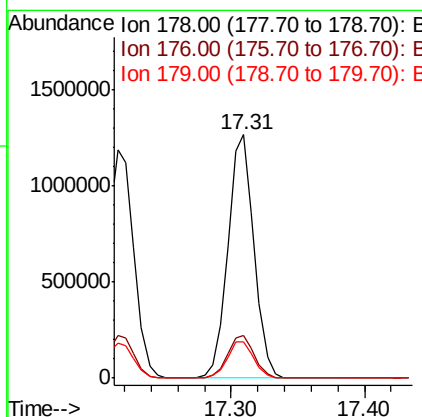
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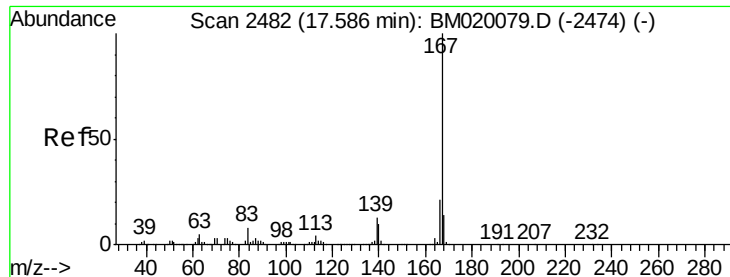


#72  
Anthracene  
Concen: 47.353 ng  
RT: 17.31 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Tgt Ion:178 Resp: 1726949  
Ion Ratio Lower Upper  
178 100  
176 17.5 14.6 22.0  
179 15.1 12.4 18.6







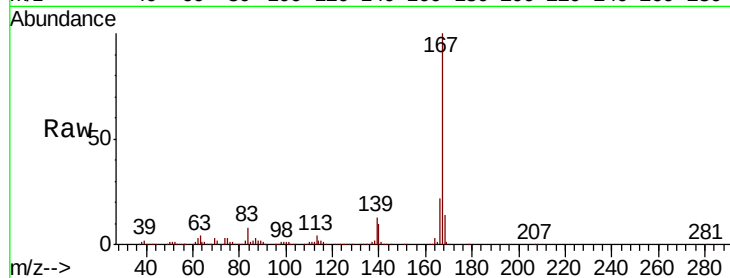
#73  
 Carbazole  
 Concen: 44.839 ng  
 RT: 17.58 min Scan# 2481  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

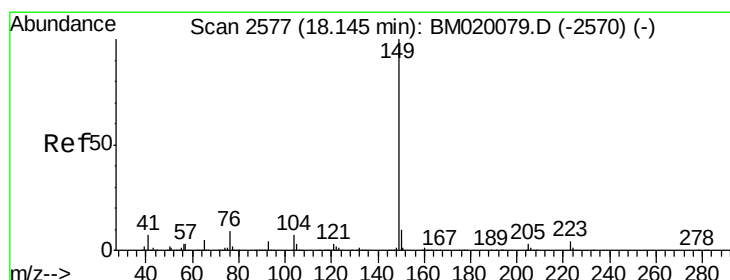
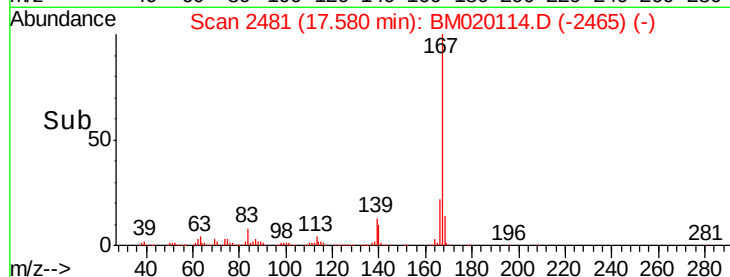
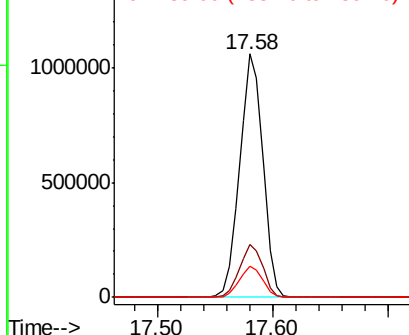
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.7  | 17.0  | 25.6  |
| 139     | 12.5  | 10.6  | 16.0  |

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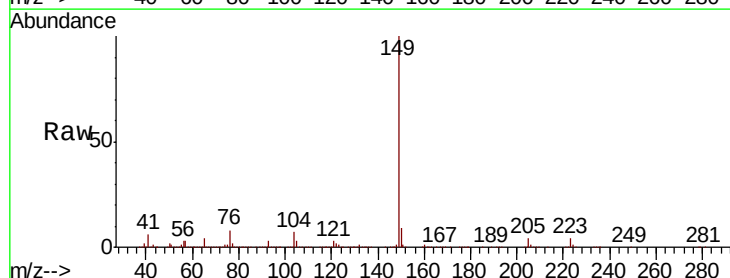


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

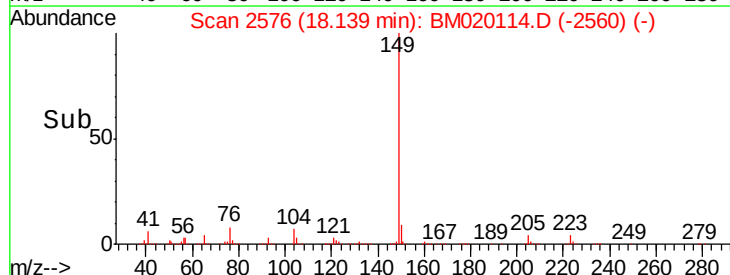
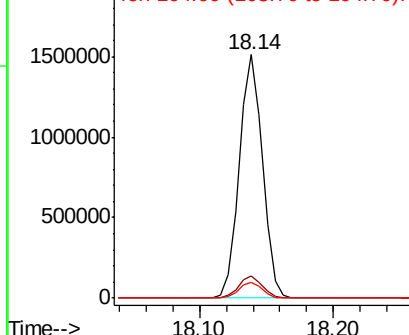


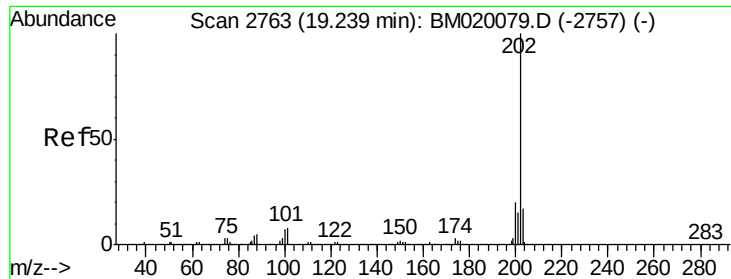
#74  
 Di-n-butylphthalate  
 Concen: 45.873 ng  
 RT: 18.14 min Scan# 2576  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 7.8   | 11.6  |
| 104     | 6.6   | 5.7   | 8.5   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.626 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

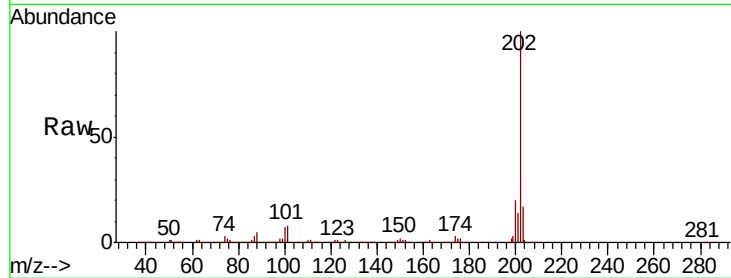
ClientSampleId :

TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.1   | 0.0   | 28.4  |
| 203     | 17.3  | 0.0   | 37.4  |

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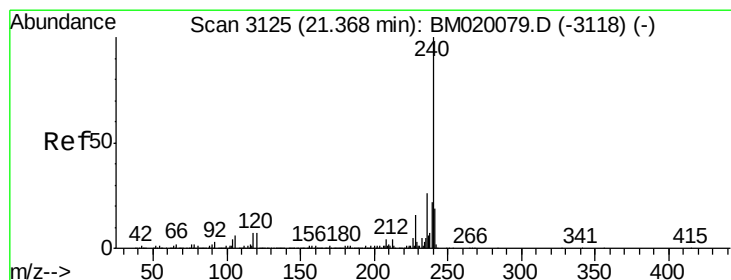
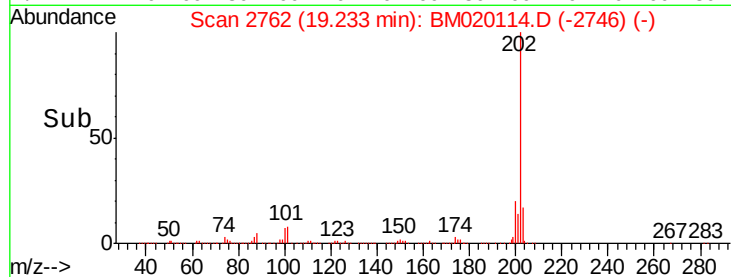
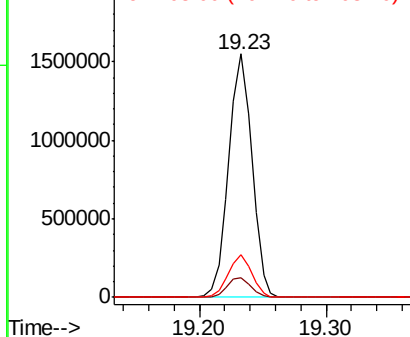


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

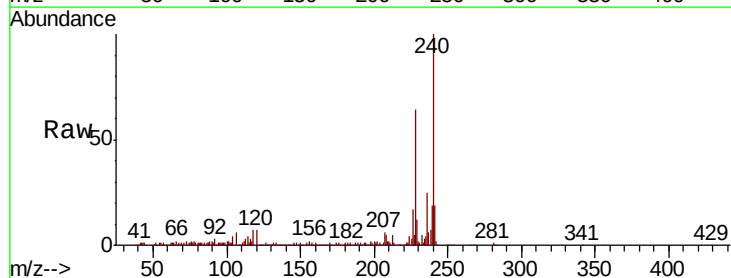
RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.4   | 5.6   | 8.4   |
| 236     | 24.6  | 20.9  | 31.3  |

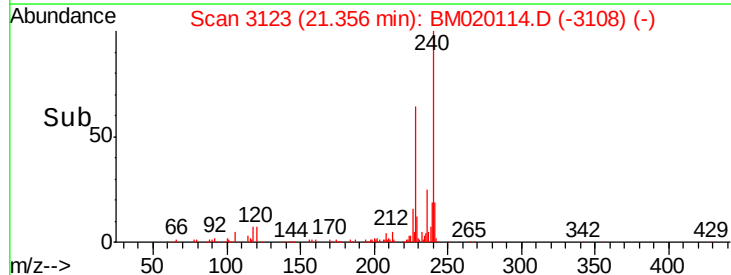
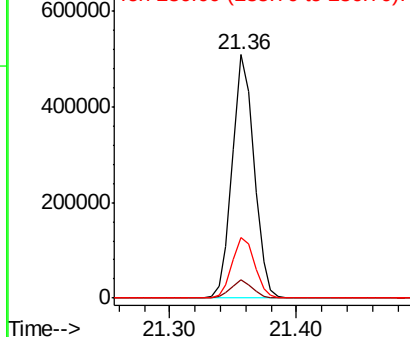


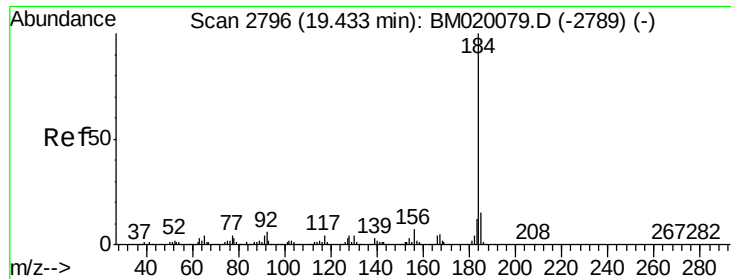
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 18.094 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

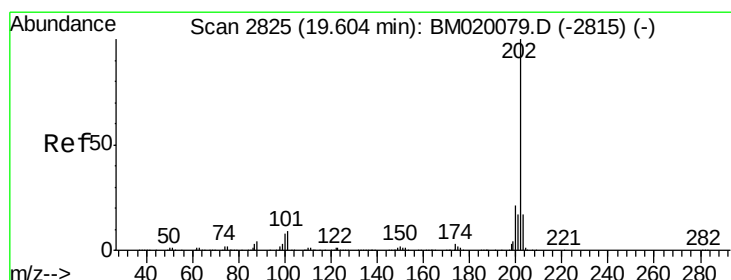
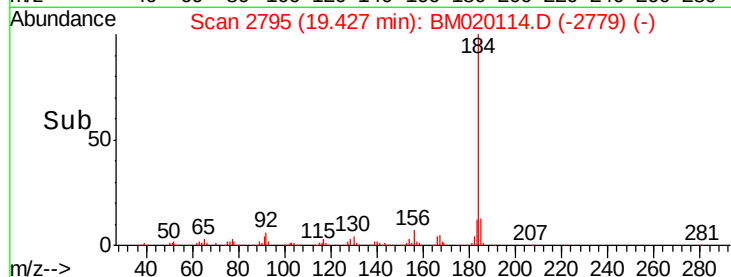
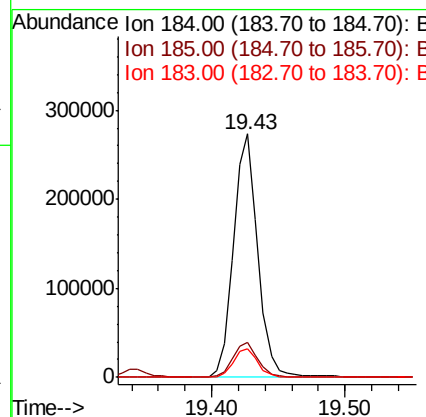
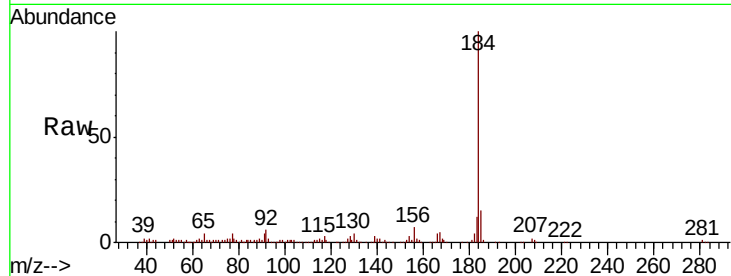
ClientSampleId :

TP-2MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 348739 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.6  | 12.0  | 18.0   |
| 183       | 11.6  | 9.5   | 14.3   |

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#78

Pyrene

Concen: 48.828 ng

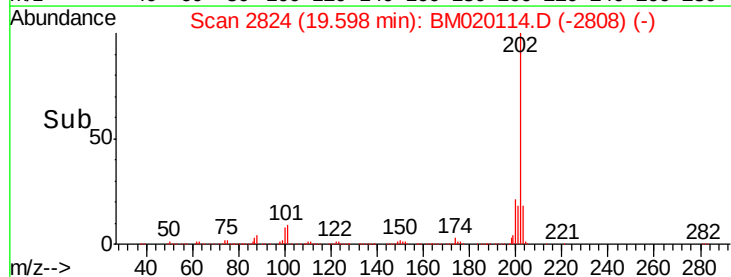
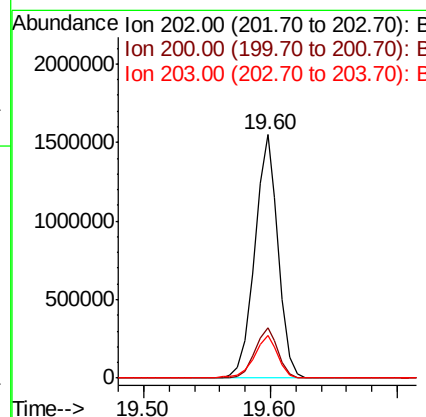
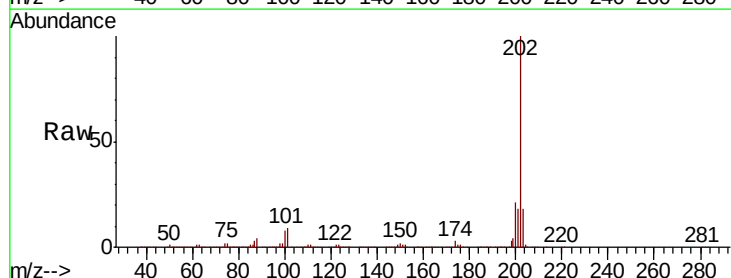
RT: 19.60 min Scan# 2824

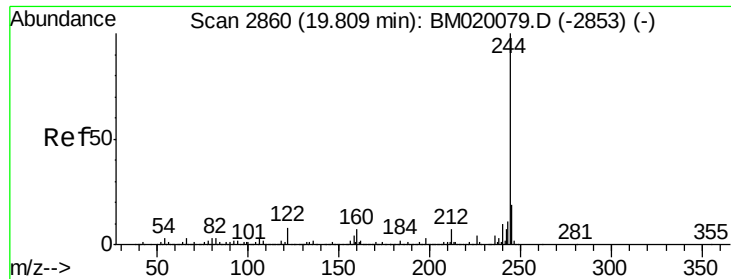
Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1976356 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.6  | 16.5  | 24.7    |
| 203       | 17.6  | 13.9  | 20.9    |





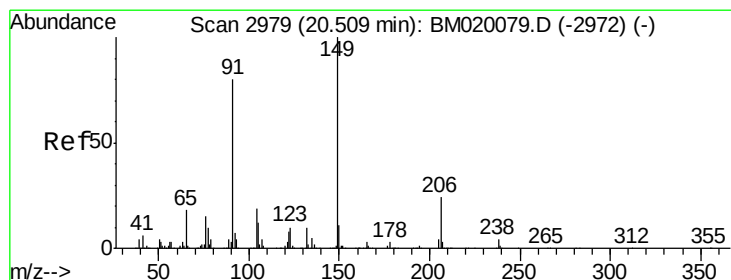
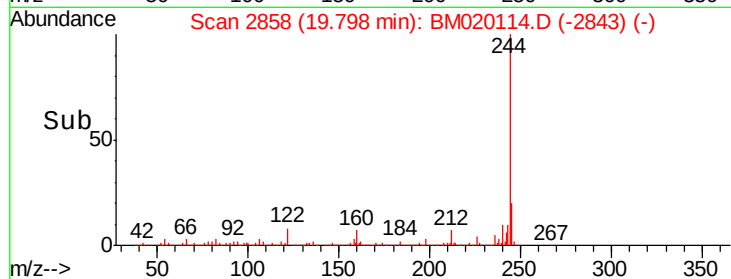
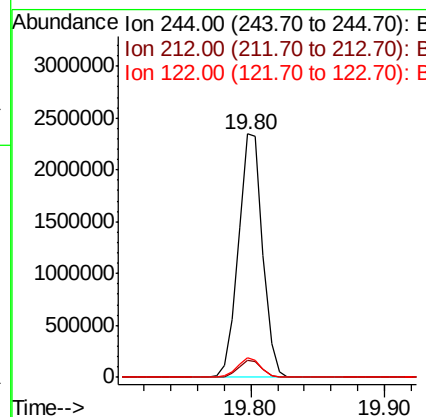
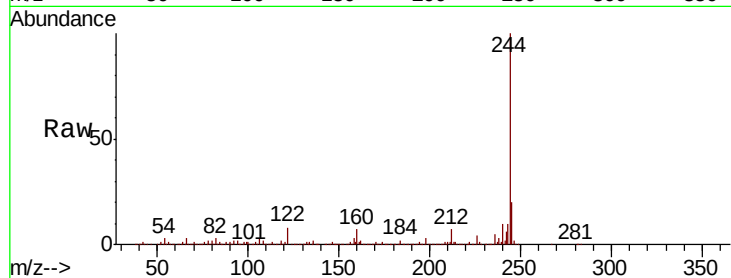
#79  
 Terphenyl-d14  
 Concen: 85.750 ng  
 RT: 19.80 min Scan# 2858  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.7   | 8.5   |
| 122     | 8.1   | 6.2   | 9.2   |

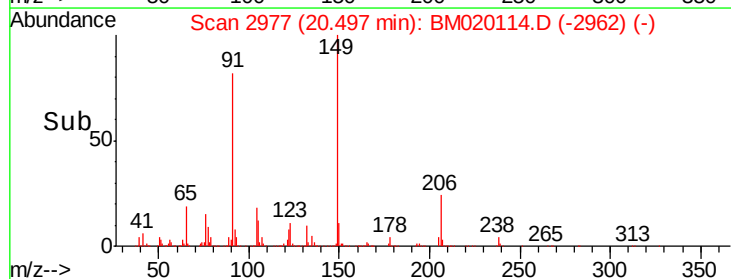
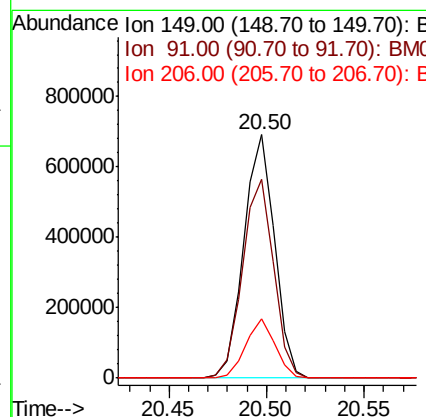
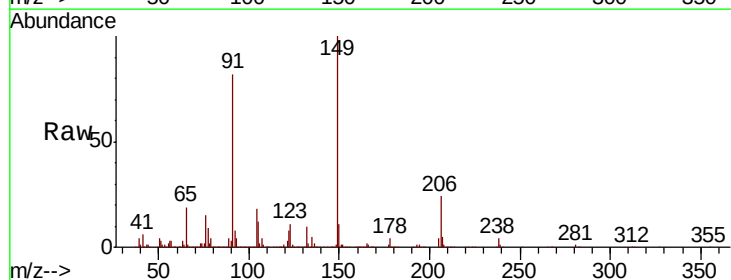
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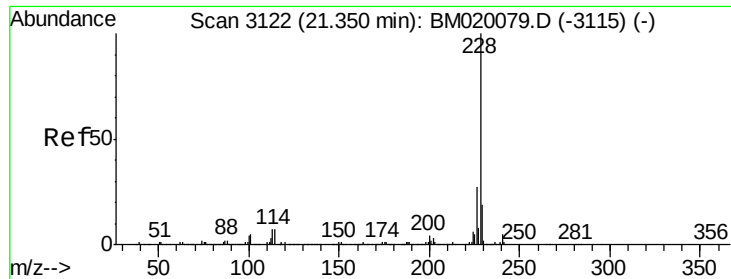
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#80  
 Butylbenzylphthalate  
 Concen: 51.331 ng  
 RT: 20.50 min Scan# 2977  
 Delta R.T. -0.01 min  
 Lab File: BM020114.D  
 Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 81.6  | 63.8  | 95.8  |
| 206     | 24.1  | 18.9  | 28.3  |





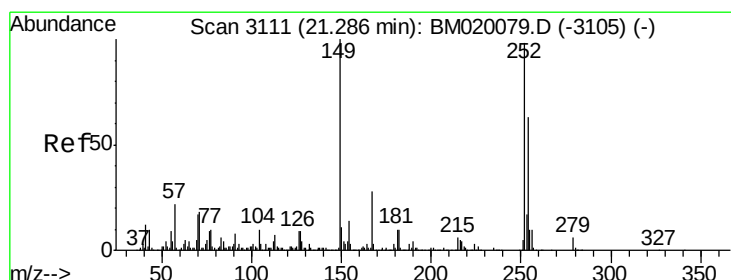
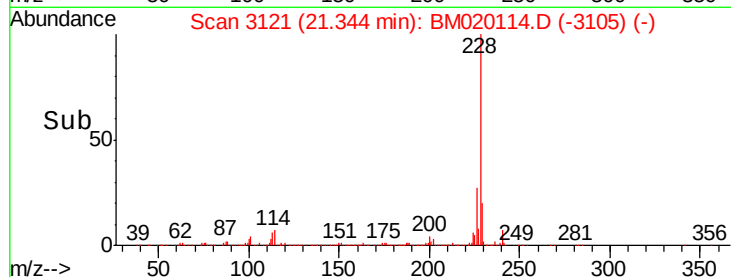
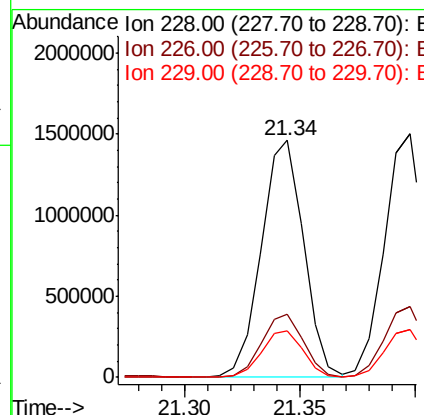
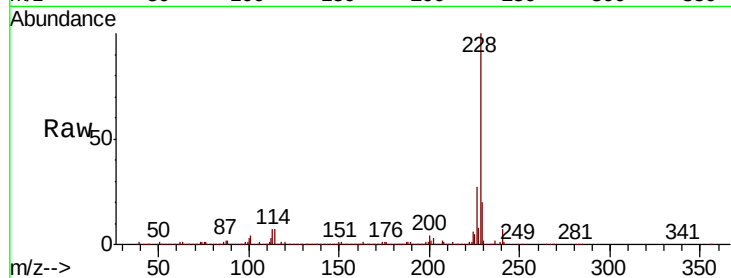
#81  
Benzo(a)anthracene  
Concen: 43.923 ng  
RT: 21.34 min Scan# 3121  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.8  | 21.3  | 31.9  |
| 229     | 19.6  | 15.5  | 23.3  |

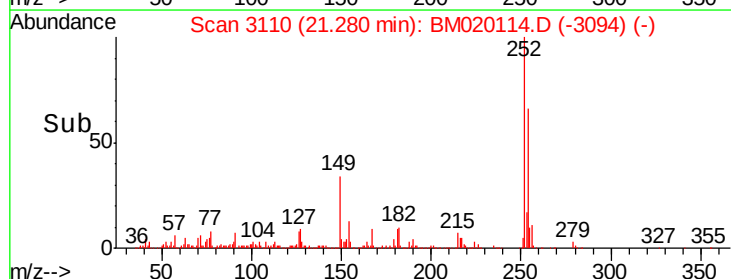
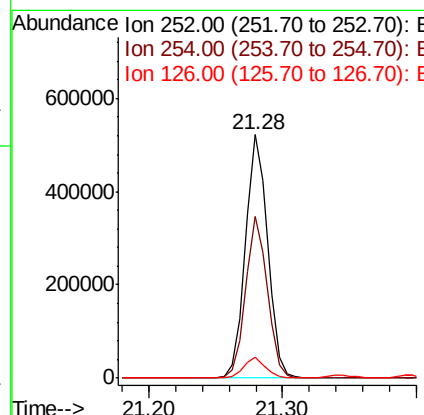
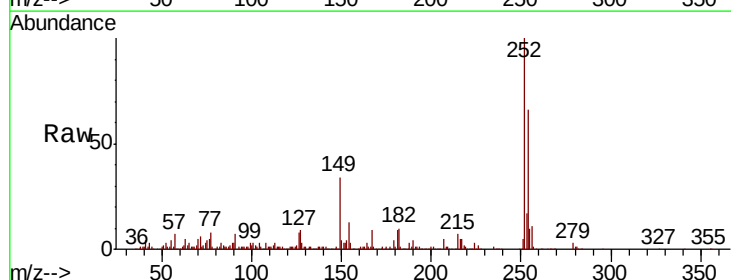
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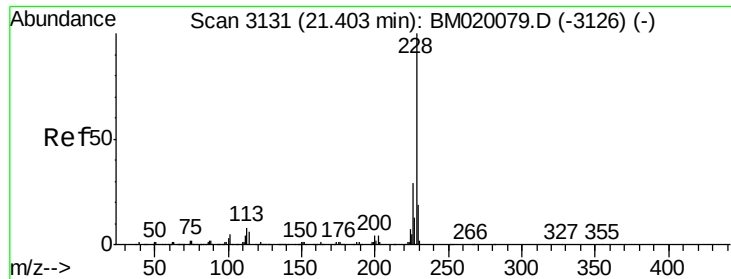
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#82  
3,3'-Dichlorobenzidine  
Concen: 37.171 ng  
RT: 21.28 min Scan# 3110  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.2  | 51.1  | 76.7  |
| 126     | 8.4   | 7.1   | 10.7  |





#83

Chrysene

Concen: 45.060 ng

RT: 21.40 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

ClientSampleId :

TP-2MSD

Tot Ion:228 Resp: 1847648

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.6

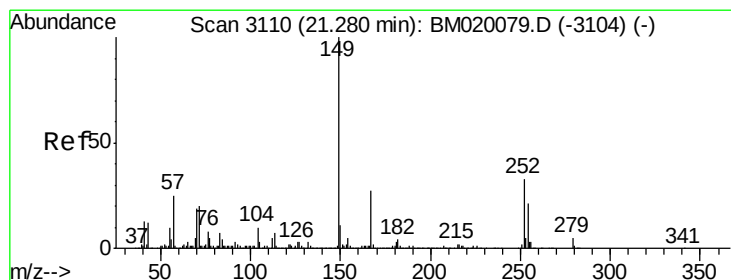
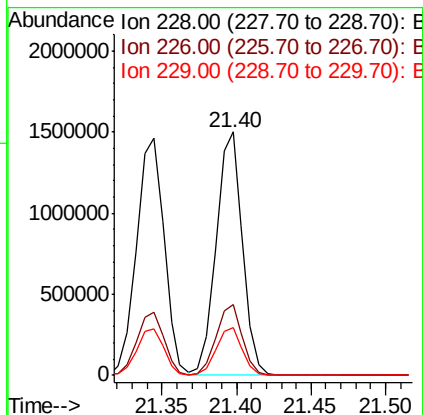
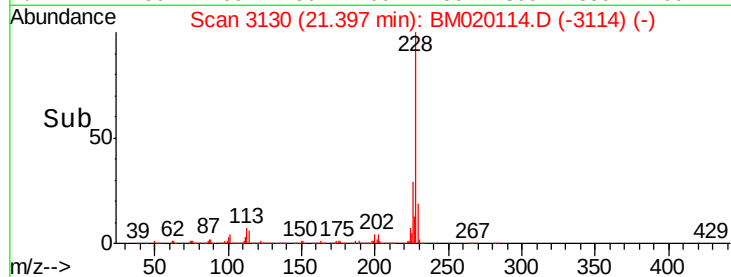
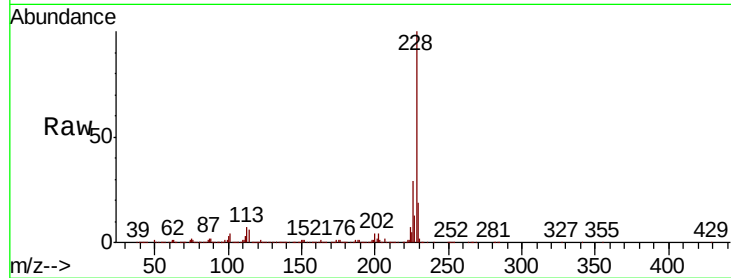
229 19.5 15.5 23.3

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#84

Bis(2-ethylhexyl)phthalate

Concen: 49.275 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

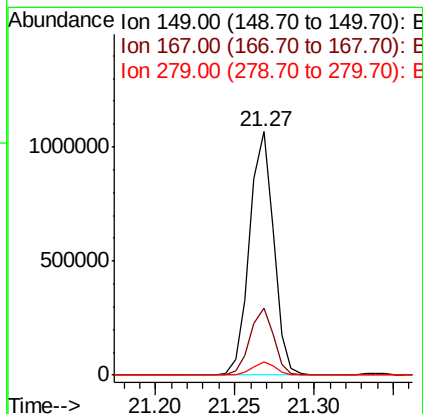
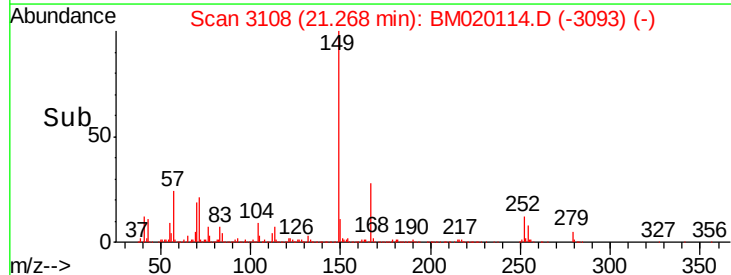
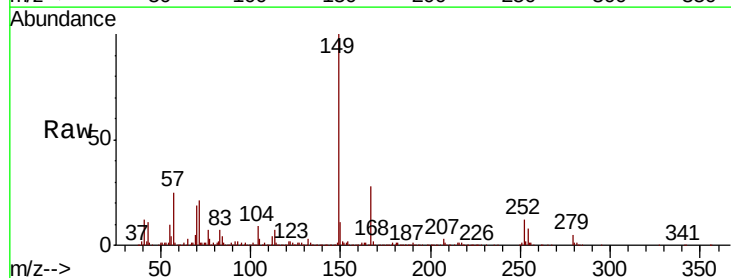
Tgt Ion:149 Resp: 1125454

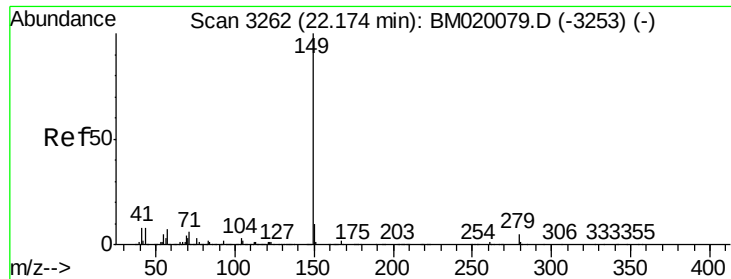
Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.8

279 5.4 4.2 6.2





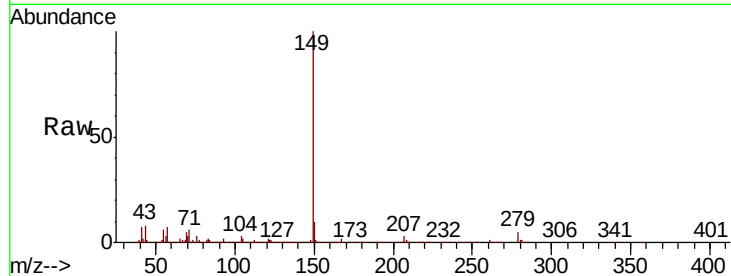
#85  
Di-n-octyl phthalate  
Concen: 49.608 ng  
RT: 22.16 min Scan# 3259  
Delta R.T. -0.02 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampleId :  
TP-2MSD

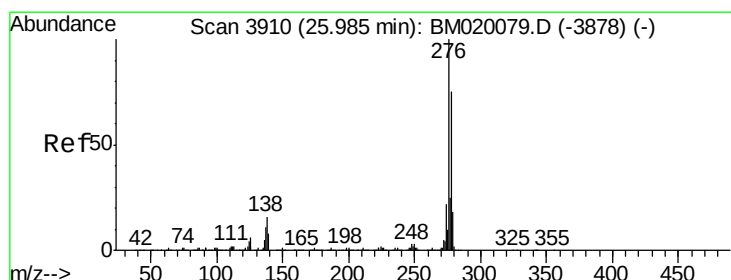
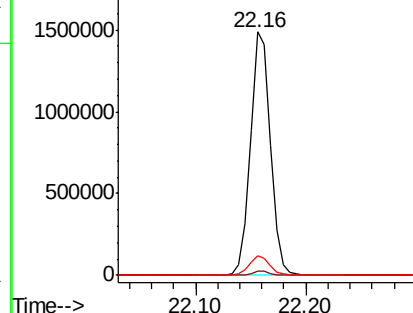
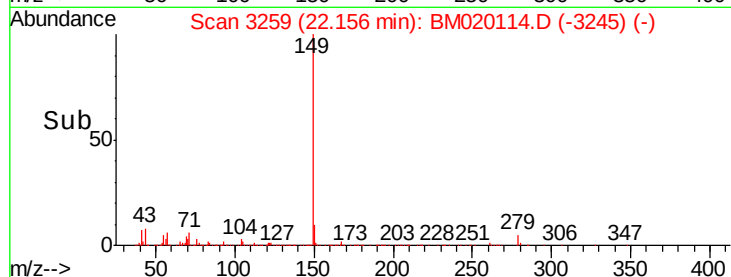
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.3   | 1.9   |
| 43      | 7.4   | 6.5   | 9.7   |

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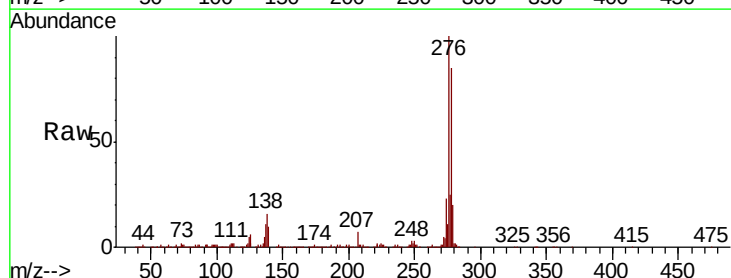


Abundance Ion 149.00 (148.70 to 149.70): E  
2000000  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BM

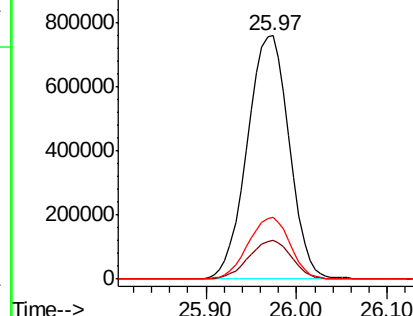
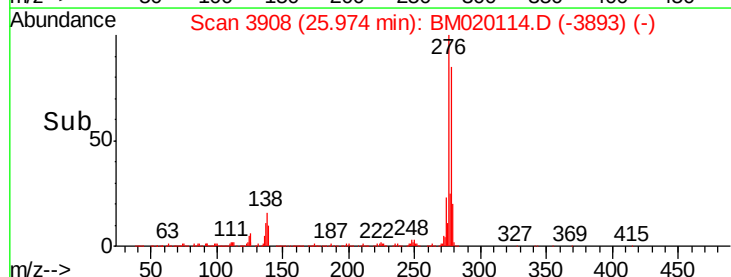


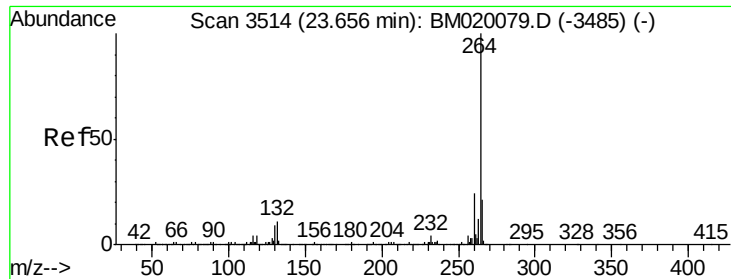
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 50.261 ng  
RT: 25.97 min Scan# 3908  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.3  | 0.0   | 0.0#  |
| 277     | 25.4  | 0.0   | 0.0#  |



Abundance Ion 276.00 (275.70 to 276.70): E  
1000000  
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: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

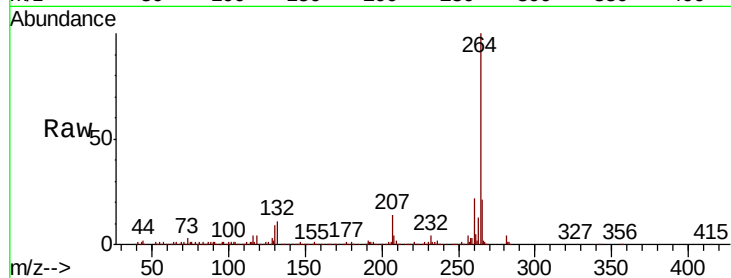
ClientSampleId :

TP-2MSD

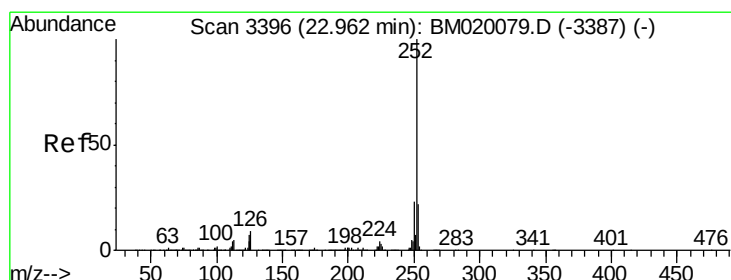
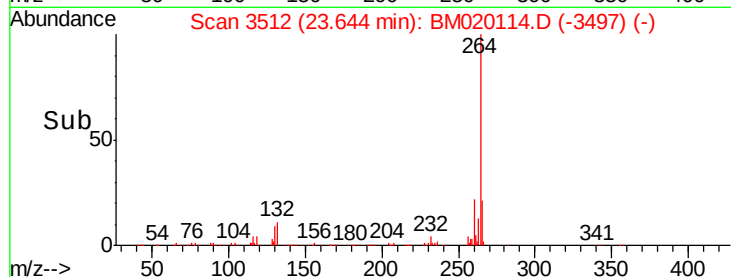
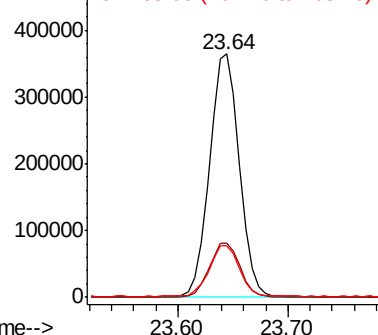
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 692645 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 22.3 | 19.2  | 28.8   |
| 265       | 21.3 | 16.9  | 25.3   |

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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 42.902 ng

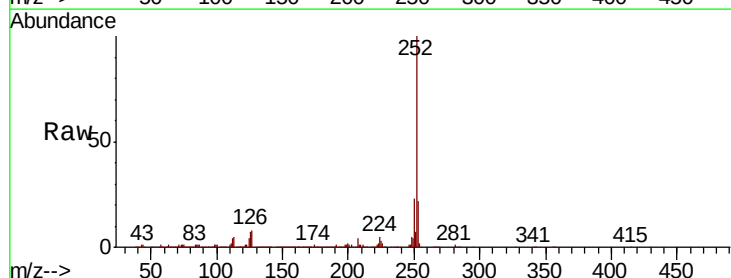
RT: 22.95 min Scan# 3394

Delta R.T. -0.01 min

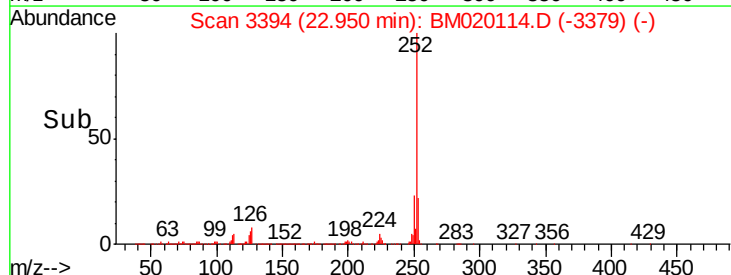
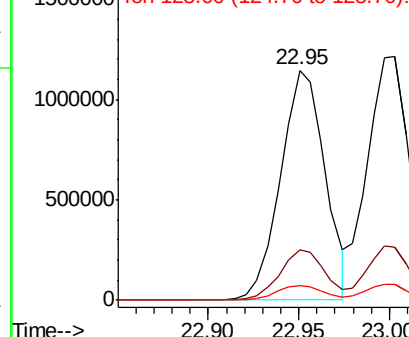
Lab File: BM020114.D

Acq: 03 May 2019 16:28

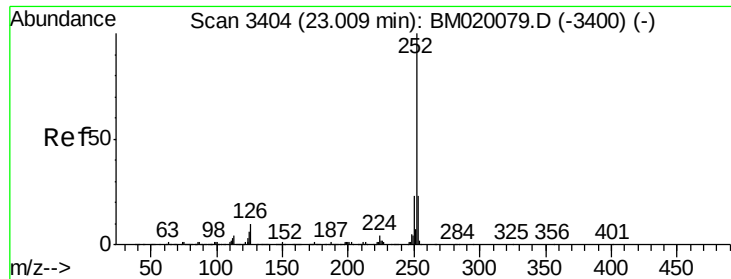
|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 252  | Resp: | 1962269 |
| Ion Ratio |      | Lower | Upper   |
| 252       | 100  |       |         |
| 253       | 21.8 | 17.5  | 26.3    |
| 125       | 6.6  | 5.4   | 8.2     |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E







#89

Benzo(k)fluoranthene

Concen: 47.212 ng

RT: 23.00 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

Instrument :

BNA\_M

ClientSampleId :

TP-2MSD

Tot Ion:252 Resp: 1969793

Ion Ratio Lower Upper

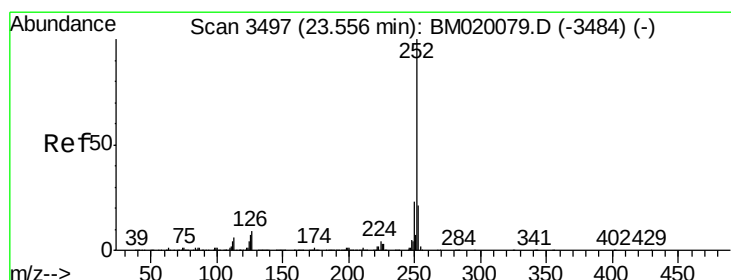
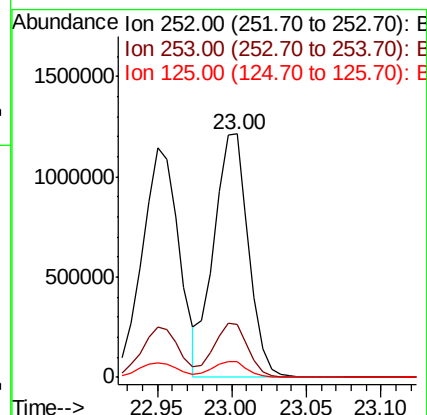
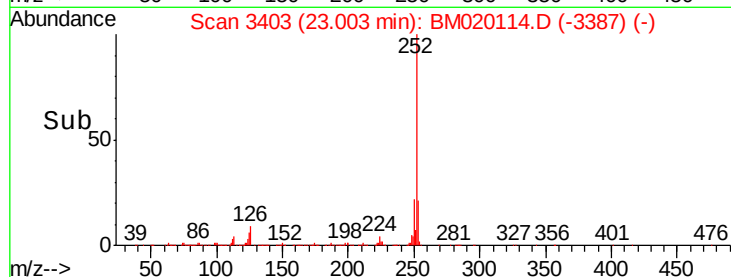
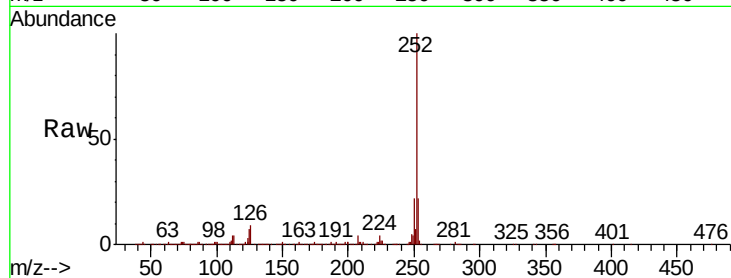
252 100

253 21.5 17.8 26.8

125 6.6 5.4 8.0

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#90

Benzo(a)pyrene

Concen: 46.705 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM020114.D

Acq: 03 May 2019 16:28

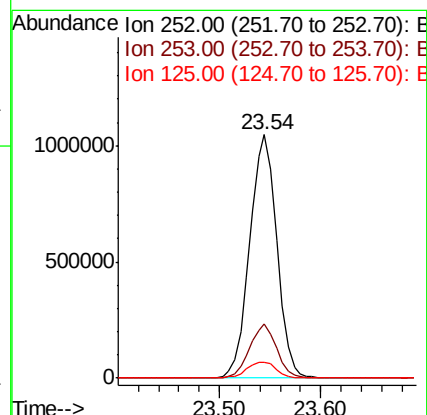
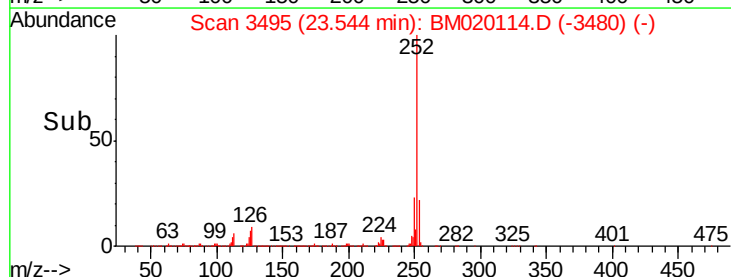
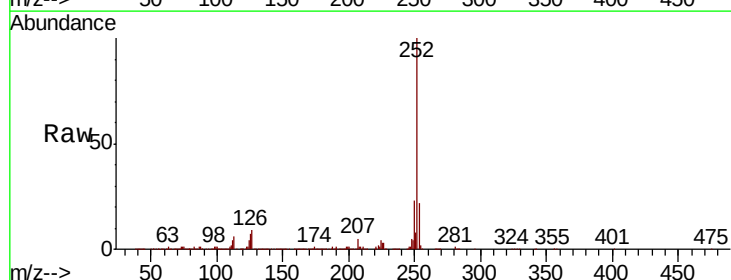
Tgt Ion:252 Resp: 1940396

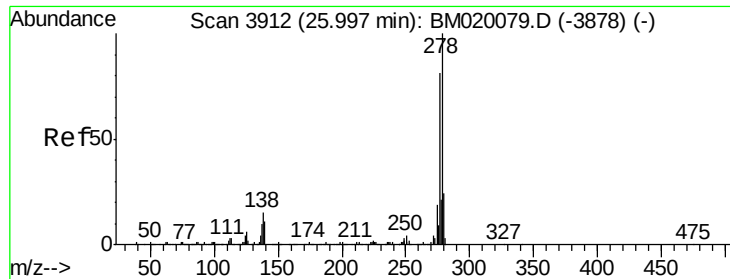
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 6.7 5.5 8.3





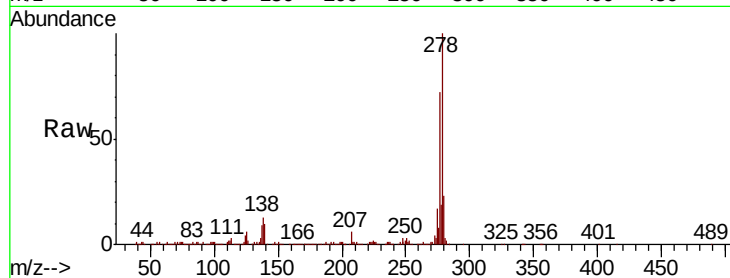
#91  
Dibenzo(a,h)anthracene  
Concen: 48.596 ng  
RT: 25.99 min Scan# 3910  
Delta R.T. -0.01 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

Instrument :  
BNA\_M  
ClientSampled :  
TP-2MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.3  | 8.6   | 13.0  |
| 279     | 23.5  | 18.8  | 28.2  |

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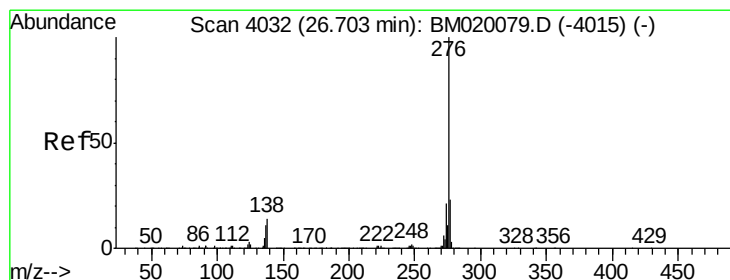
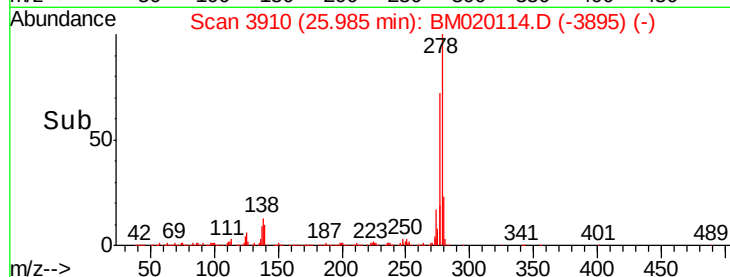
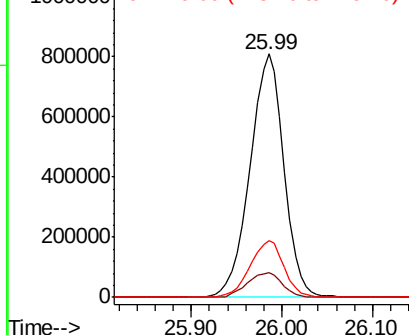


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 49.246 ng  
RT: 26.69 min Scan# 4029  
Delta R.T. -0.02 min  
Lab File: BM020114.D  
Acq: 03 May 2019 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.7  | 18.4  | 27.6  |
| 138     | 13.2  | 11.1  | 16.7  |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

