

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\  
 Data File : BM024679.D  
 Acq On : 31 Jan 2020 17:23  
 Operator : CG/JU  
 Sample : PB126505BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 4:11:07 PM

Quant Time: Feb 01 02:13:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.43  | 152  | 207956   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.18 | 136  | 774293   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.07 | 164  | 495496   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 16.83 | 188  | 1214352  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.04 | 240  | 1427362  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.15 | 264  | 1083319  | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.07  | 112 | 1295427 | 118.47 | ng | -0.01 |
| 7) Phenol-d6                | 6.63  | 99  | 1668208 | 110.74 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 8.56  | 82  | 1013509 | 64.19  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 15.58 | 330 | 1073219 | 133.15 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 12.69 | 172 | 2910048 | 79.84  | ng | -0.02 |
| 79) Terphenyl-d14           | 19.49 | 244 | 5449701 | 71.28  | ng | -0.02 |

|                                |       |     |         |           |        |
|--------------------------------|-------|-----|---------|-----------|--------|
| Target Compounds               |       |     |         |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.06  | 88  | 139236  | 32.189 ng | 92     |
| 3) Pyridine                    | 3.43  | 79  | 358356  | 28.578 ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.35  | 42  | 153705  | 27.615 ng | 85     |
| 6) Aniline                     | 6.77  | 93  | 367602  | 20.046 ng | 93     |
| 8) 2-Chlorophenol              | 7.00  | 128 | 480894  | 38.632 ng | 93     |
| 9) Benzaldehyde                | 6.58  | 77  | 8867    | 0.996 ng  | 89     |
| 10) Phenol                     | 6.66  | 94  | 546240  | 36.378 ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.87  | 93  | 398435  | 33.146 ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.32  | 146 | 547653  | 35.812 ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.46  | 146 | 562180  | 36.237 ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.77  | 146 | 537206  | 35.873 ng | 97     |
| 15) Benzyl Alcohol             | 7.67  | 79  | 398450  | 32.082 ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.97  | 45  | 296351  | 26.930 ng | 97     |
| 17) 2-Methylphenol             | 7.88  | 107 | 373943  | 35.339 ng | 94     |
| 18) Hexachloroethane           | 8.49  | 117 | 197751  | 33.009 ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.23  | 70  | 311033  | 27.501 ng | 94     |
| 20) 3+4-Methylphenols          | 8.20  | 107 | 512326  | 34.977 ng | 96     |
| 22) Acetophenone               | 8.24  | 105 | 666610  | 33.388 ng | 95     |
| 24) Nitrobenzene               | 8.60  | 77  | 487205  | 32.201 ng | 96     |
| 25) Isophorone                 | 9.13  | 82  | 870147  | 32.435 ng | 97     |
| 26) 2-Nitrophenol              | 9.31  | 139 | 280481  | 40.035 ng | 89     |
| 27) 2,4-Dimethylphenol         | 9.39  | 122 | 421664  | 44.291 ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 9.62  | 93  | 541474  | 33.041 ng | 98     |
| 29) 2,4-Dichlorophenol         | 9.85  | 162 | 533134  | 41.449 ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.06 | 180 | 590243  | 38.049 ng | 99     |
| 31) Naphthalene                | 10.23 | 128 | 1432535 | 36.631 ng | 99     |
| 32) Benzoic acid               | 9.54  | 122 | 347961m | 39.955 ng |        |
| 33) 4-Chloroaniline            | 10.35 | 127 | 322395  | 18.807 ng | 97     |
| 34) Hexachlorobutadiene        | 10.53 | 225 | 394275  | 36.767 ng | 99     |
| 35) Caprolactam                | 11.12 | 113 | 143954m | 34.884 ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.49 | 107 | 493429  | 36.077 ng | 93     |
| 37) 2-Methylnaphthalene        | 11.86 | 142 | 1123706 | 37.233 ng | 98     |
| 38) 1-Methylnaphthalene        | 12.08 | 142 | 1066072 | 37.135 ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.25 | 216 | 712179  | 40.272 ng | 99     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\  
 Data File : BM024679.D  
 Acq On : 31 Jan 2020 17:23  
 Operator : CG/JU  
 Sample : PB126505BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

Manual Integrations  
 APPROVED

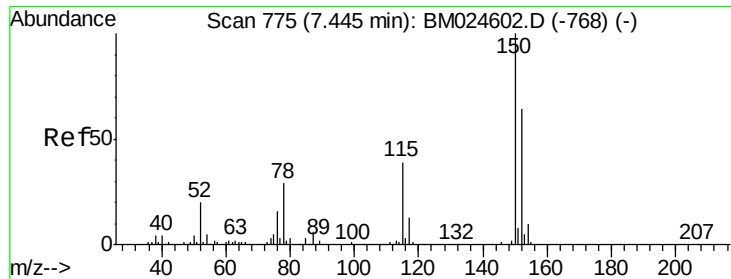
mohammad  
 2/3/2020 4:11:07 PM

Quant Time: Feb 01 02:13:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.23 | 237  | 544727   | 54.954  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.49 | 196  | 473929   | 42.114  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.56 | 196  | 507085   | 44.122  | nq    | 96       |
| 46) 1,1'-Biphenyl              | 12.90 | 154  | 1480711  | 39.488  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 12.93 | 162  | 1188958  | 39.275  | nq    | 97       |
| 48) 2-Nitroaniline             | 13.15 | 65   | 288427   | 31.239  | nq    | 86       |
| 49) Acenaphthylene             | 13.79 | 152  | 1850564  | 40.835  | nq    | 99       |
| 50) Dimethylphthalate          | 13.55 | 163  | 1531475  | 38.223  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.66 | 165  | 351505   | 41.263  | nq #  | 84       |
| 52) Acenaphthene               | 14.14 | 154  | 1095639  | 38.962  | nq    | 98       |
| 53) 3-Nitroaniline             | 13.99 | 138  | 229006   | 25.920  | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 14.20 | 184  | 456095   | 89.535  | nq #  | 85       |
| 55) Dibenzofuran               | 14.48 | 168  | 1876708  | 40.921  | nq    | 96       |
| 56) 4-Nitrophenol              | 14.32 | 139  | 576970   | 83.542  | nq    | 87       |
| 57) 2,4-Dinitrotoluene         | 14.46 | 165  | 497179   | 40.724  | nq #  | 83       |
| 58) Fluorene                   | 15.13 | 166  | 1529097  | 39.675  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.72 | 232  | 516237   | 44.293  | nq    | 94       |
| 60) Diethylphthalate           | 14.94 | 149  | 1527800  | 37.559  | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.14 | 204  | 858279   | 38.626  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.16 | 138  | 329915   | 33.829  | nq    | 90       |
| 63) Azobenzene                 | 15.43 | 77   | 1143759  | 32.964  | nq    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.22 | 198  | 313542   | 43.913  | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 15.36 | 169  | 1347985  | 38.644  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 578348   | 38.297  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.15 | 284  | 669800   | 38.651  | nq    | 96       |
| 69) Atrazine                   | 16.32 | 200  | 383816   | 28.665  | nq    | 99       |
| 70) Pentachlorophenol          | 16.49 | 266  | 1336237  | 126.588 | nq    | 99       |
| 71) Phenanthrene               | 16.87 | 178  | 2526815  | 38.425  | nq    | 100      |
| 72) Anthracene                 | 16.96 | 178  | 2485617  | 38.630  | nq    | 100      |
| 73) Carbazole                  | 17.23 | 167  | 2257071  | 38.533  | nq    | 99       |
| 74) Di-n-butylphthalate        | 17.83 | 149  | 2671790  | 35.680  | nq    | 99       |
| 75) Fluoranthene               | 18.90 | 202  | 3188656  | 38.851  | nq    | 99       |
| 77) Benzidine                  | 19.09 | 184  | 567304   | 17.066  | nq    | 99       |
| 78) Pyrene                     | 19.26 | 202  | 3294265  | 35.009  | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.20 | 149  | 1263938  | 32.011  | nq    | 90       |
| 81) Benzo(a)anthracene         | 21.03 | 228  | 3382371  | 34.142  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 1046308  | 29.360  | nq    | 100      |
| 83) Chrysene                   | 21.08 | 228  | 3208524  | 33.942  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 1807754  | 31.029  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 21.85 | 149  | 3111458  | 32.326  | nq #  | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 3873623  | 37.596  | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 22.53 | 252  | 3589156  | 51.083  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.57 | 252  | 3275727  | 47.764  | nq    | 100      |
| 90) Benzo(a)pyrene             | 23.06 | 252  | 3251188  | 50.895  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.23 | 278  | 3329292  | 54.911  | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 25.84 | 276  | 3271138  | 59.417  | nq    | 98       |

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





#1

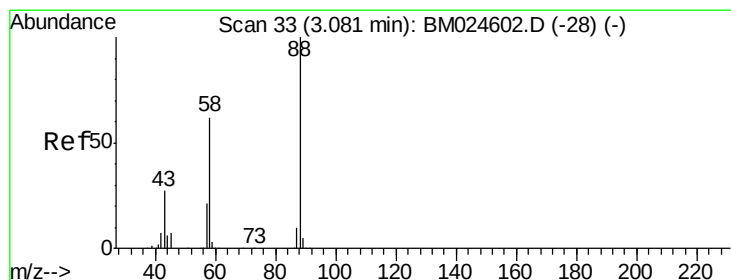
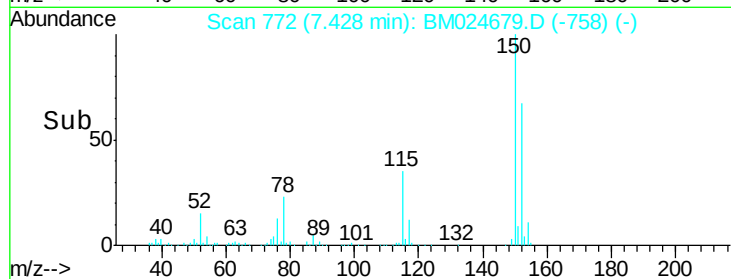
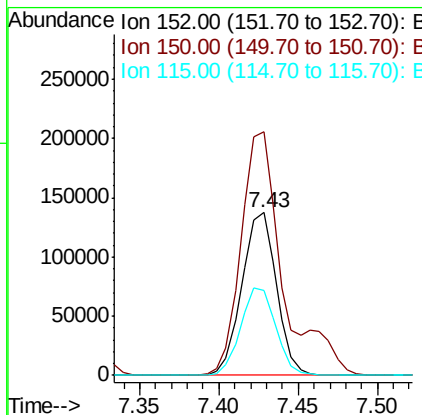
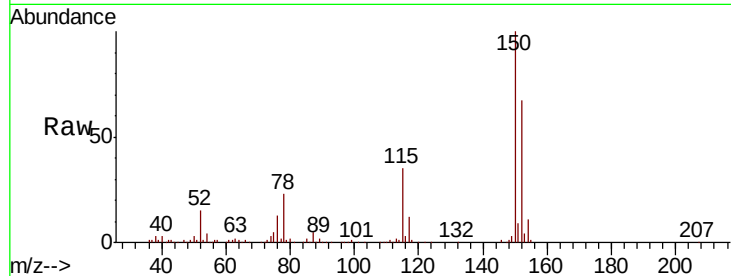
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.43 min Scan# 772  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampled :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.5 | 124.2 | 186.4 |
| 115     | 52.3  | 48.6  | 72.8  |

Manual Integrations  
APPROVED

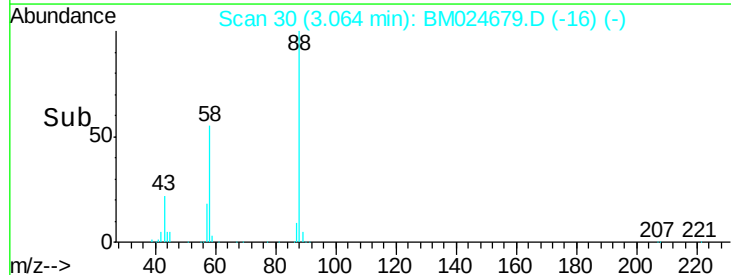
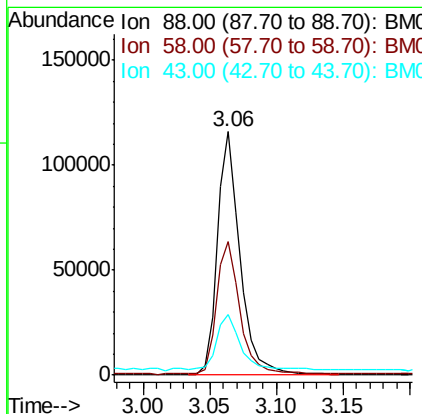
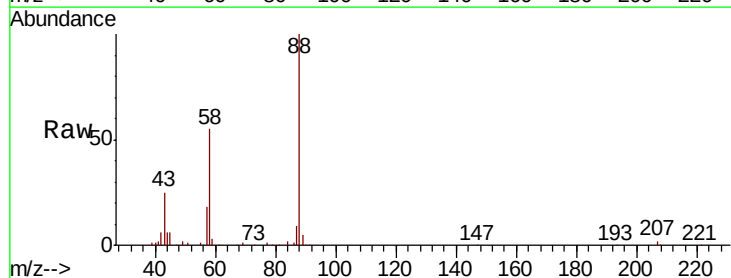
mohammad  
2/3/2020 4:11:07 PM

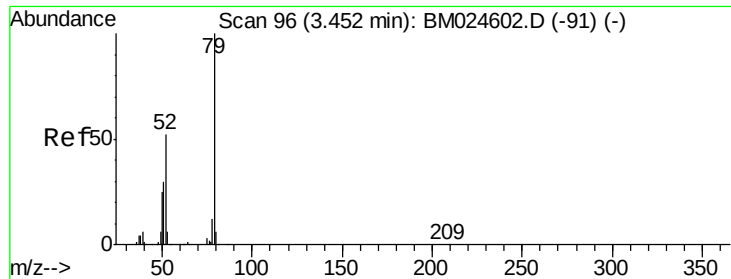


#2

1,4-Dioxane  
Concen: 32.189 ng  
RT: 3.06 min Scan# 30  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 55.7  | 50.0  | 75.0  |
| 43      | 23.0  | 21.6  | 32.4  |





#3

Pvridine

Concen: 28.578 ng

RT: 3.43 min Scan# 93

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

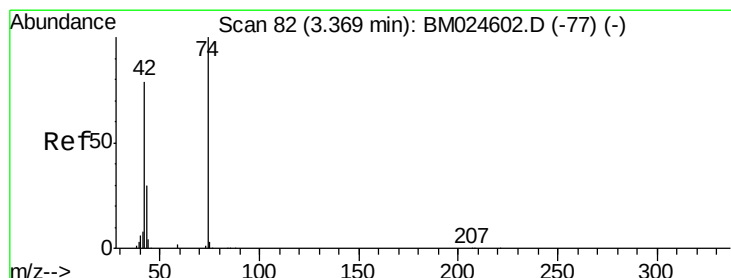
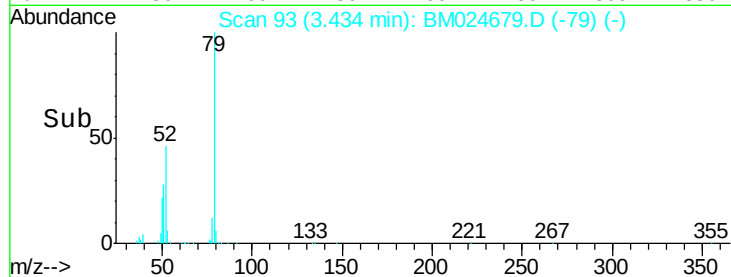
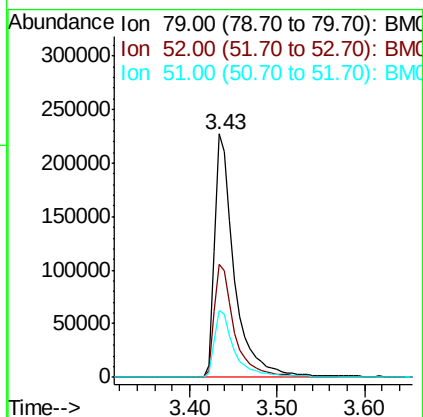
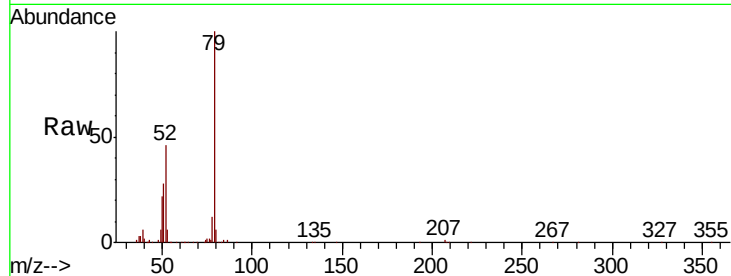
ClientSampleId :

PB126505BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 358356 |       |       |
| 52      | 46.4 |       | 41.4   | 62.2  |       |
| 51      | 27.7 |       | 23.8   | 35.8  |       |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#4

n-Nitrosodimethylamine

Concen: 27.615 ng

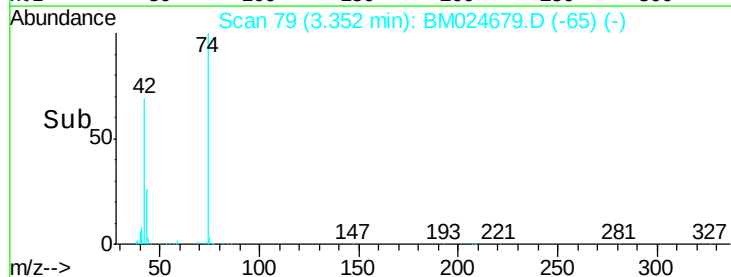
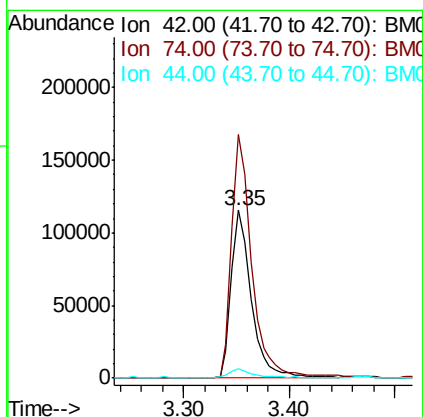
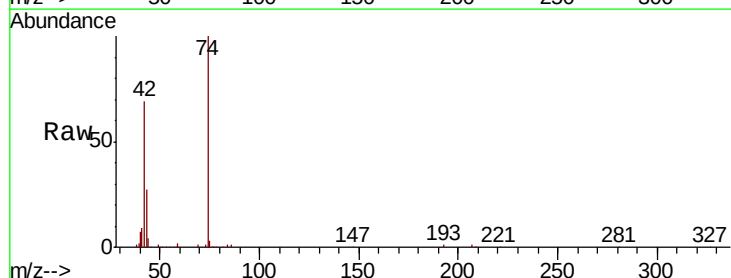
RT: 3.35 min Scan# 79

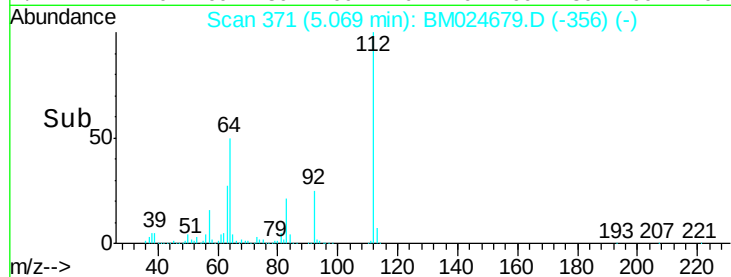
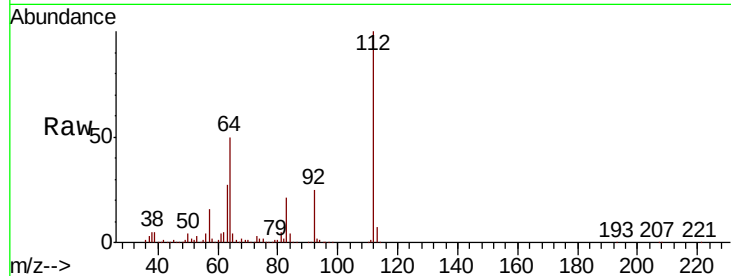
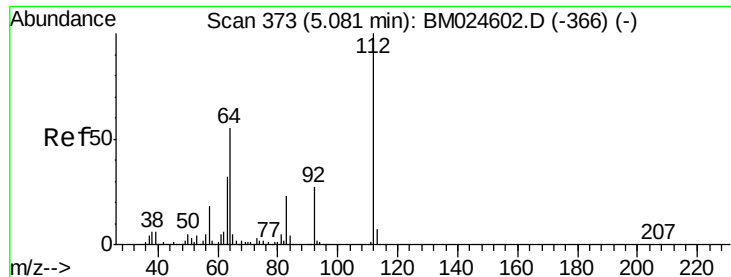
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 42      | 100   |       | 153705 |       |       |
| 74      | 145.2 |       | 101.4  | 152.2 |       |
| 44      | 5.3   |       | 4.6    | 6.8   |       |





#5

2-Fluorophenol

Concen: 118.467 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 1295427 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 50.3  | 44.2  | 66.4    |
| 63       | 27.5  | 25.9  | 38.9    |

Instrument :

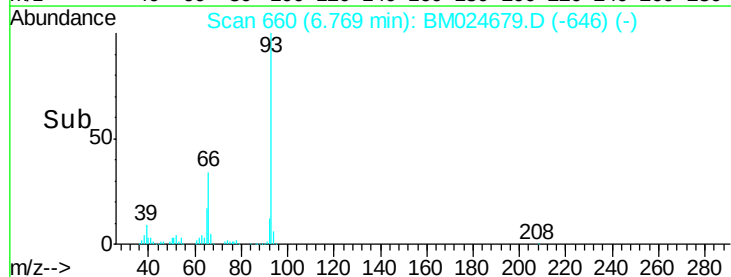
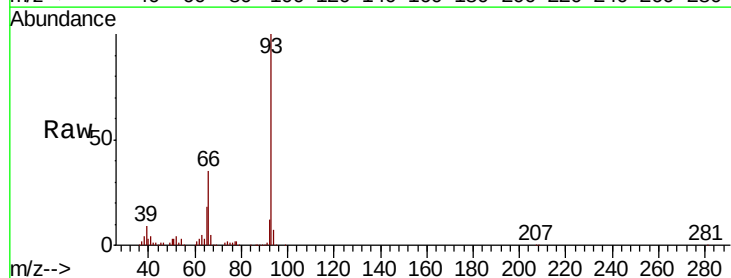
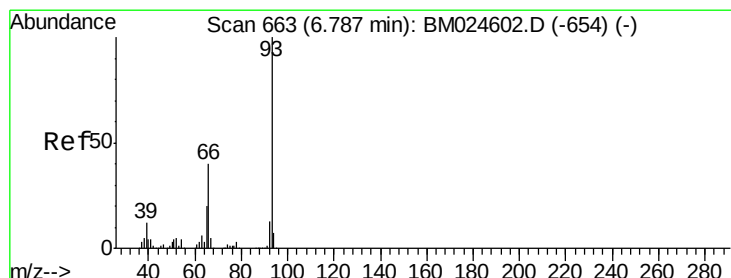
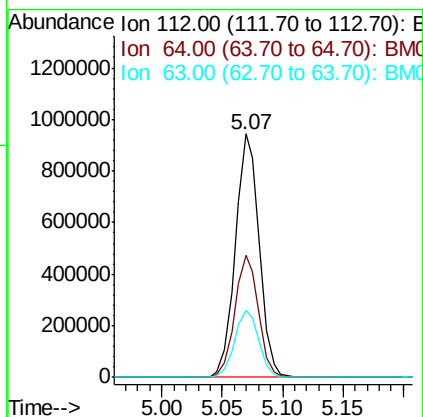
BNA\_M

ClientSampleId :

PB126505BS

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#6

Aniline

Concen: 20.046 ng

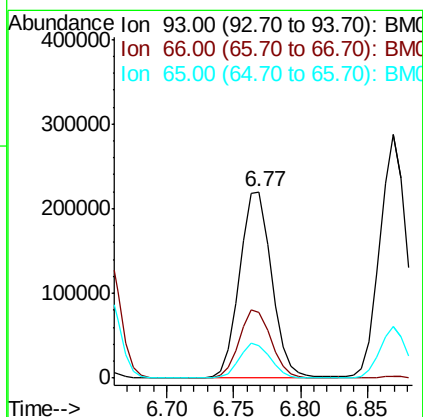
RT: 6.77 min Scan# 660

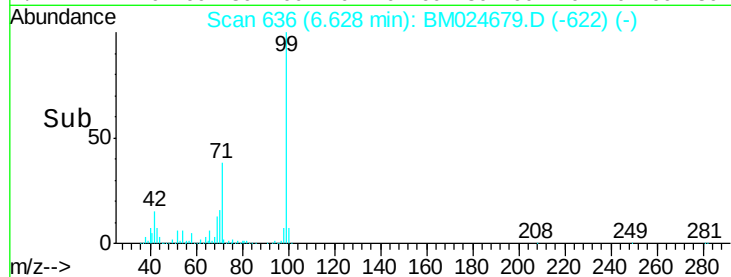
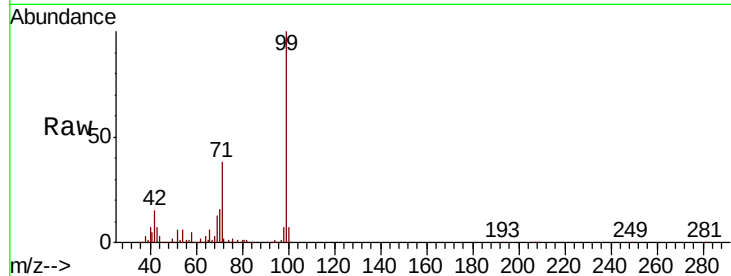
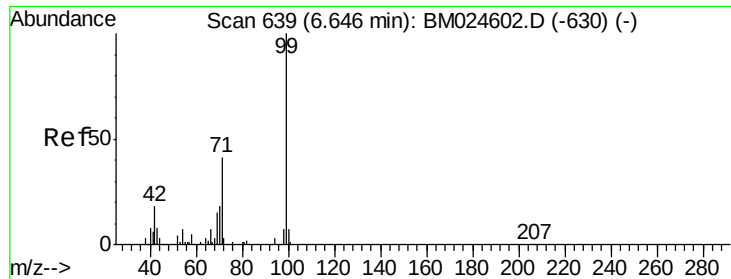
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 367602 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 35.0  | 31.8  | 47.8   |
| 65       | 17.7  | 15.8  | 23.6   |





#7

Phenol-d6

Concen: 110.744 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Tot Ion: 99 Resp: 1668208

Ion Ratio Lower Upper

99 100

42 14.8 14.1 21.1

71 37.7 33.0 49.6

Instrument :

BNA\_M

ClientSampled :

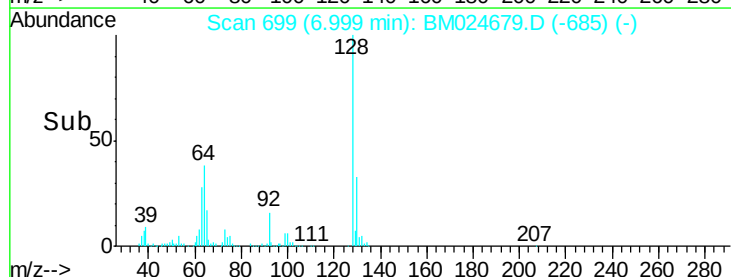
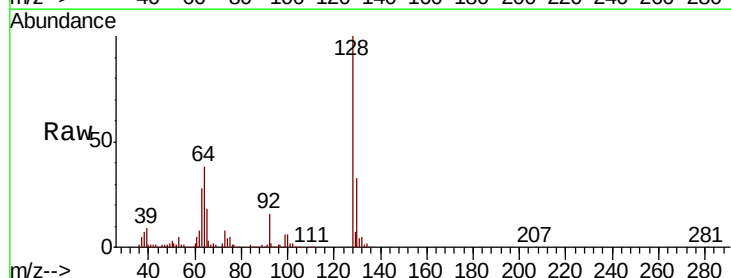
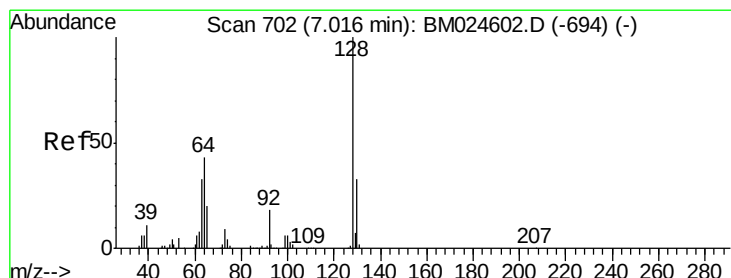
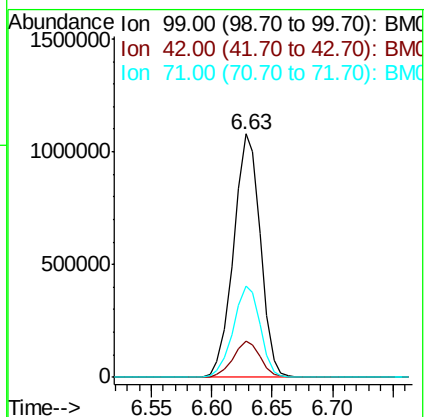
PB126505BS

Manual Integrations

APPROVED

mohammad

2/3/2020 4:11:07 PM



#8

2-Chlorophenol

Concen: 38.632 ng

RT: 7.00 min Scan# 699

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

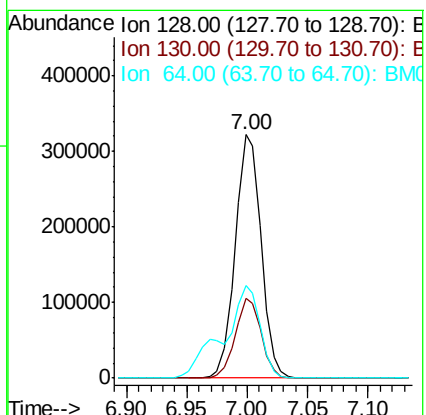
Tgt Ion: 128 Resp: 480894

Ion Ratio Lower Upper

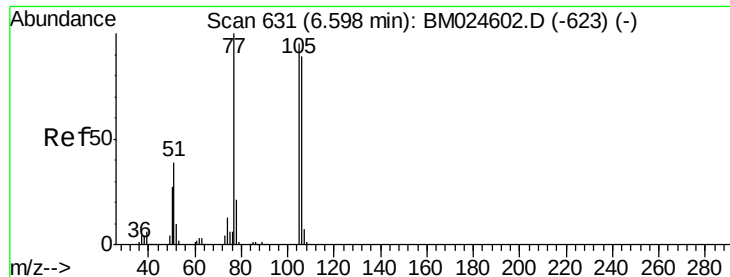
128 100

130 32.8 12.5 52.5

64 38.2 26.1 66.1







#9

Benzaldehyde

Concen: 0.996 ng

RT: 6.58 min Scan# 627

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

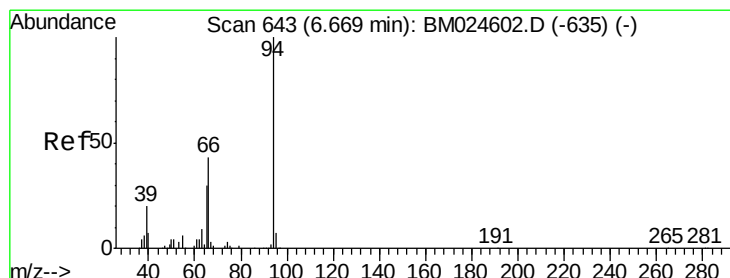
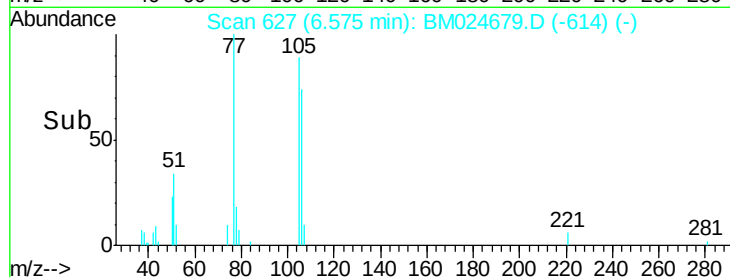
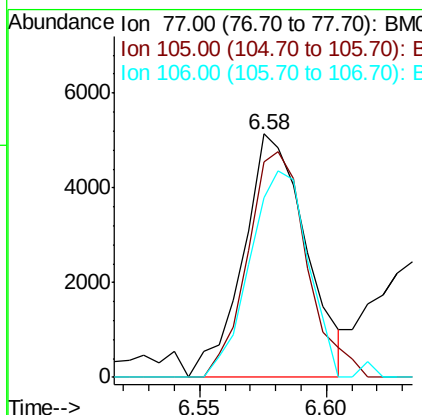
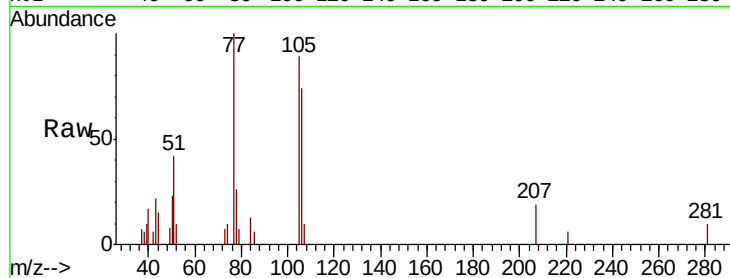
ClientSampleId :

PB126505BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 8867  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 88.6  | 75.2  | 115.2 |
| 106      | 73.7  | 68.6  | 108.6 |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#10

Phenol

Concen: 36.378 ng

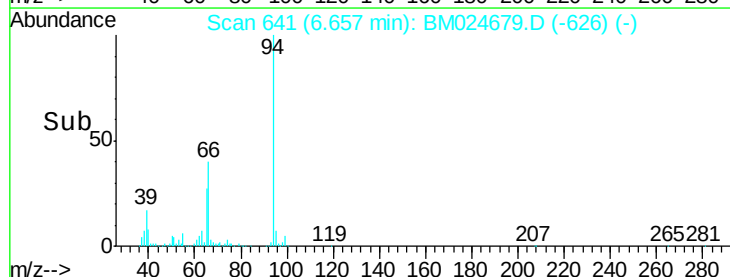
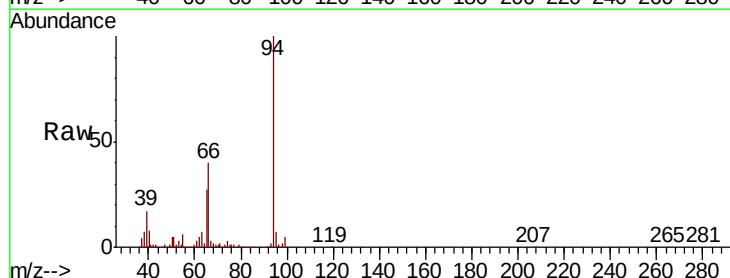
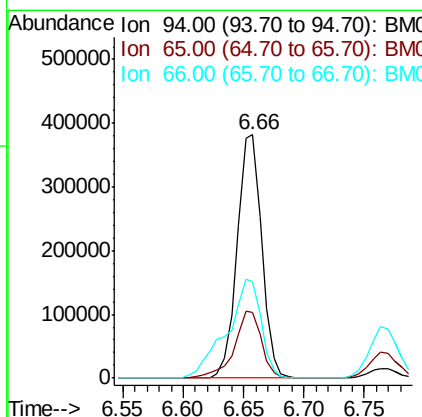
RT: 6.66 min Scan# 641

Delta R.T. -0.01 min

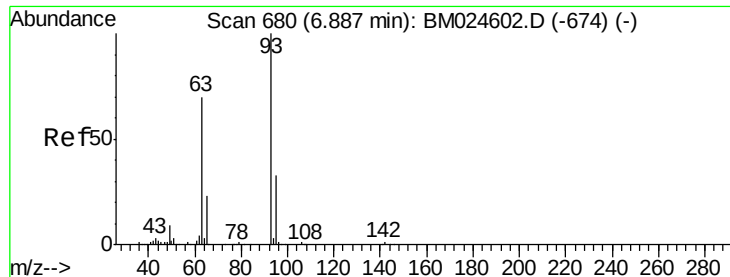
Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 546240 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.2  | 10.3  | 50.3   |
| 66       | 39.9  | 24.8  | 64.8   |







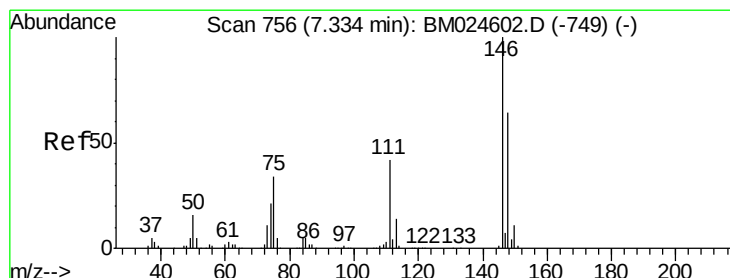
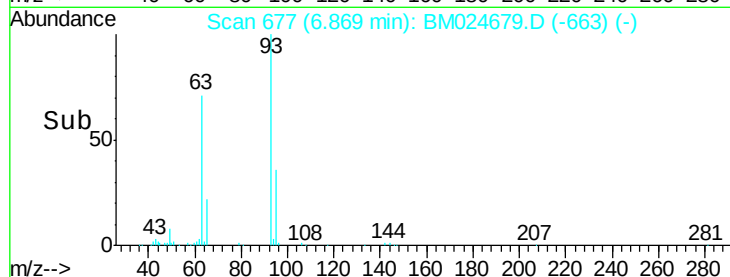
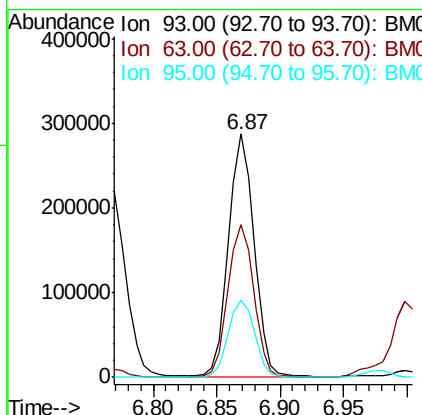
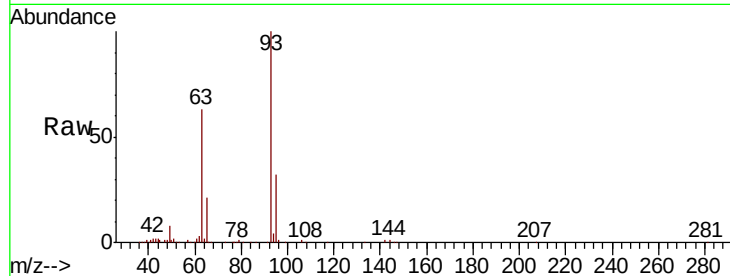
#11  
bis(2-Chloroethyl)ether  
Concen: 33.146 ng  
RT: 6.87 min Scan# 677  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 62.5  | 49.6  | 89.6  |
| 95      | 31.7  | 12.6  | 52.6  |

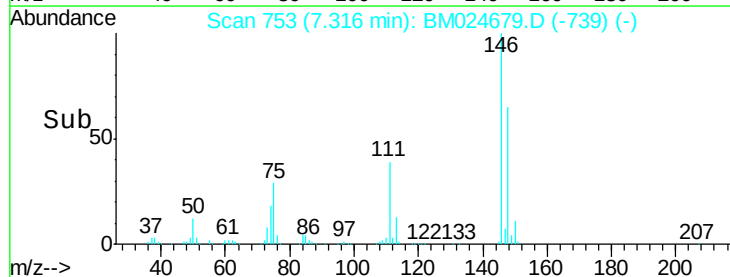
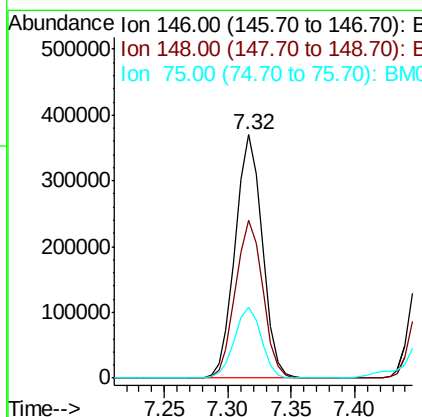
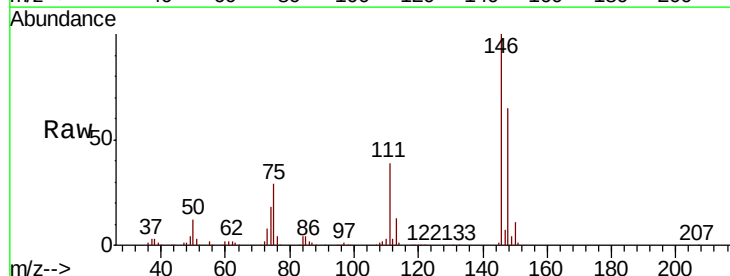
Manual Integrations  
APPROVED

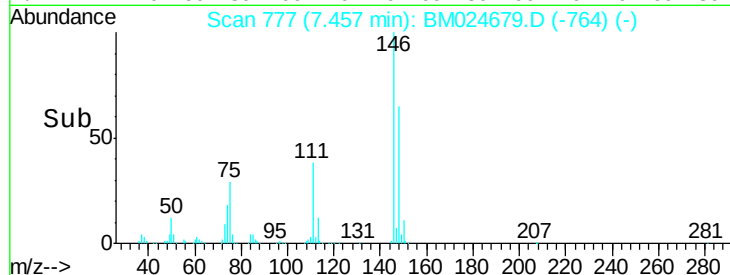
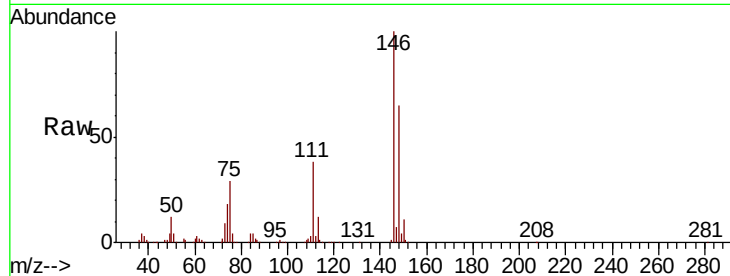
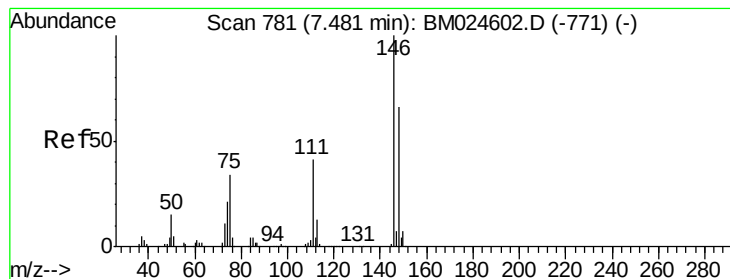
mohammad  
2/3/2020 4:11:07 PM



#12  
1,3-Dichlorobenzene  
Concen: 35.812 ng  
RT: 7.32 min Scan# 753  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 51.0  | 76.6  |
| 75      | 29.2  | 27.0  | 40.4  |





#13

1,4-Dichlorobenzene

Concen: 36.237 ng

RT: 7.46 min Scan# 777

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 562180 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 52.5  | 78.7   |
| 111       | 38.0  | 33.0  | 49.4   |

Instrument :

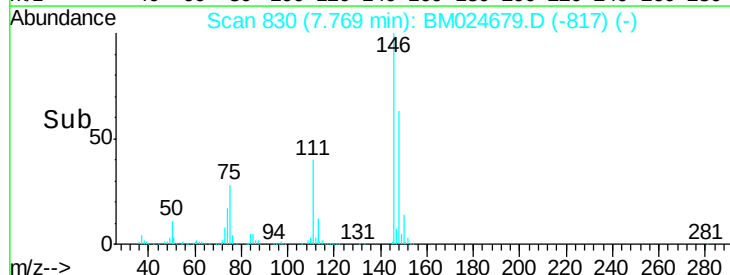
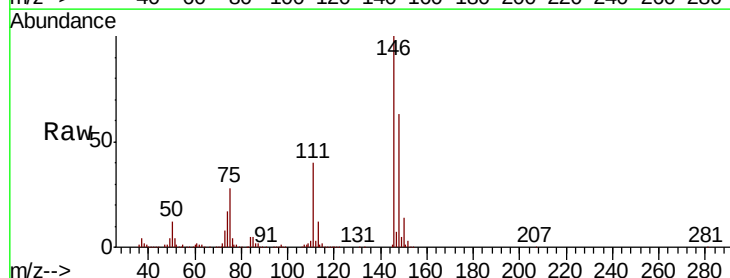
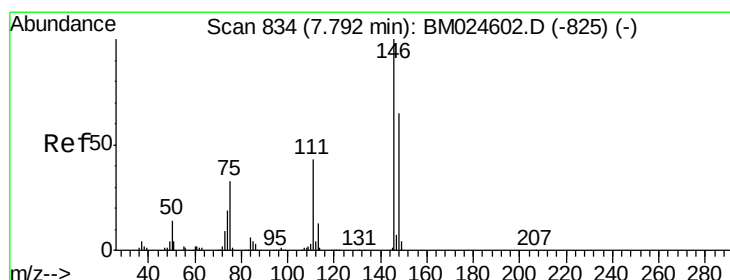
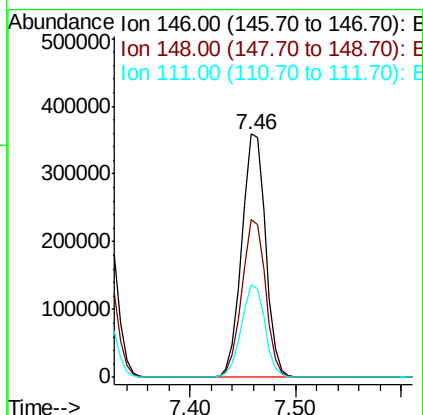
BNA\_M

ClientSampleId :

PB126505BS

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#14

1,2-Dichlorobenzene

Concen: 35.873 ng

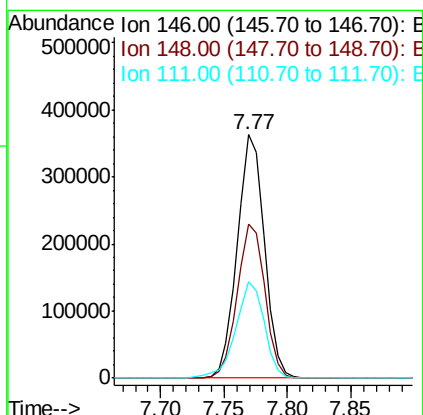
RT: 7.77 min Scan# 830

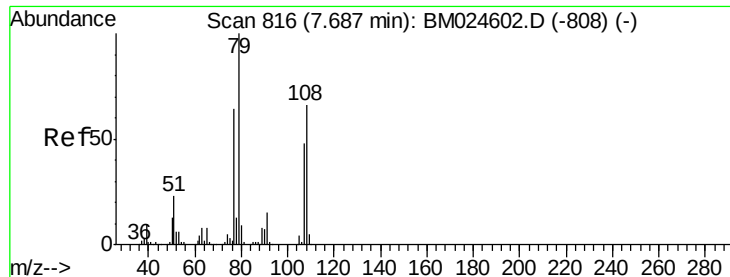
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 537206 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.2  | 51.9  | 77.9   |
| 111       | 39.8  | 34.5  | 51.7   |





#15

Benzyl Alcohol

Concen: 32.082 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

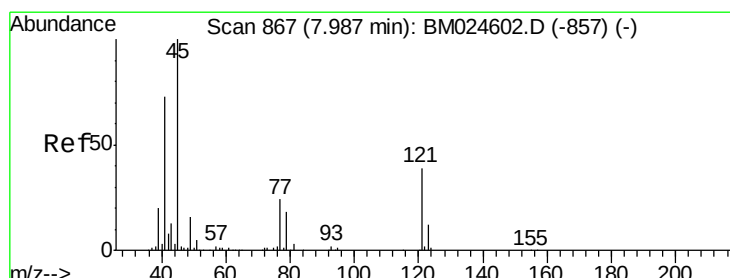
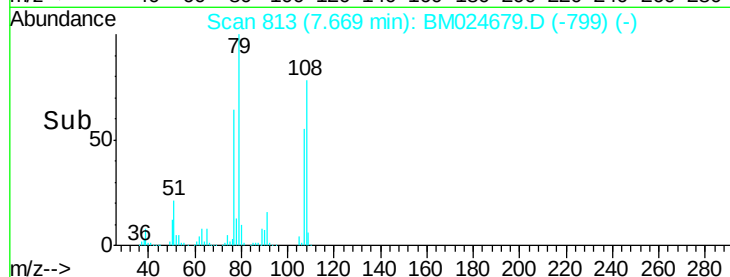
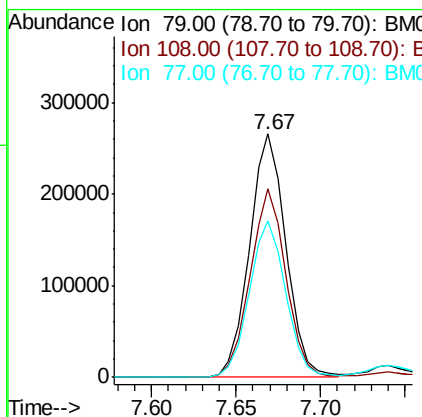
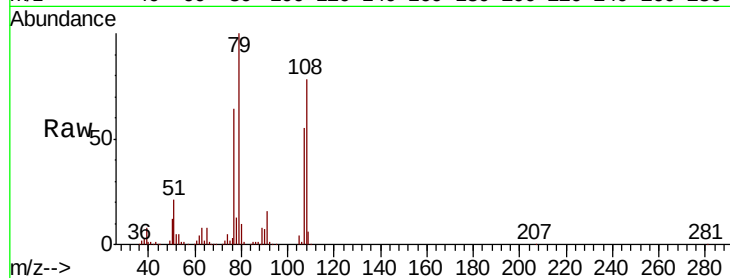
ClientSampleId :

PB126505BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 398450 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 77.6  | 53.0  | 79.4   |
| 77        | 64.1  | 50.8  | 76.2   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 26.930 ng

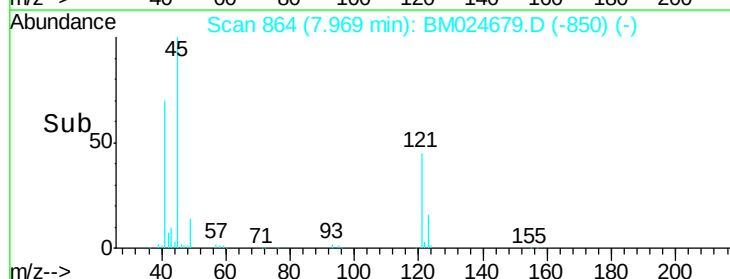
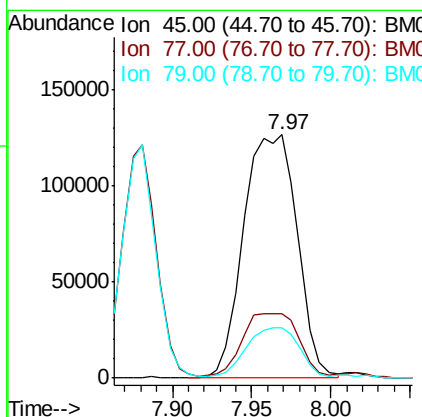
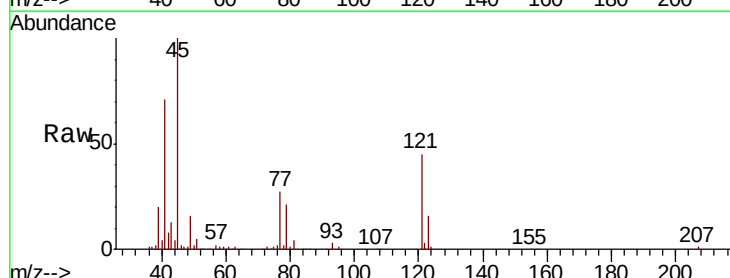
RT: 7.97 min Scan# 864

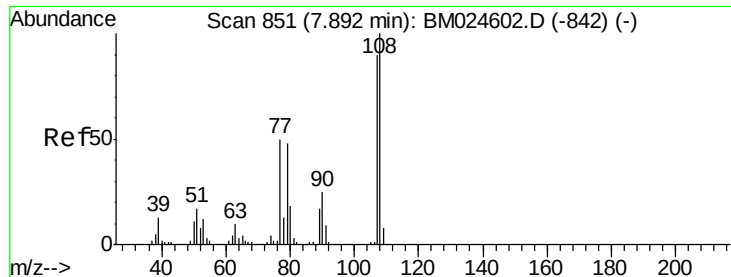
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 296351 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 26.5  | 5.2   | 45.2   |
| 79        | 20.6  | 0.0   | 39.4   |





#17

2-Methylphenol

Concen: 35.339 ng

RT: 7.88 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

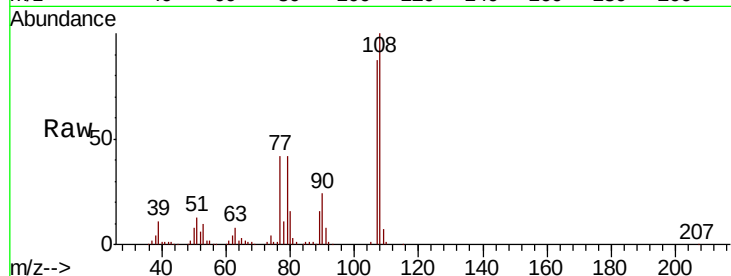
ClientSampleId :

PB126505BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 115.5 | 88.9 | 133.3 |       |
| 77      | 48.9  | 44.5 | 66.7  |       |
| 79      | 48.9  | 42.9 | 64.3  |       |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



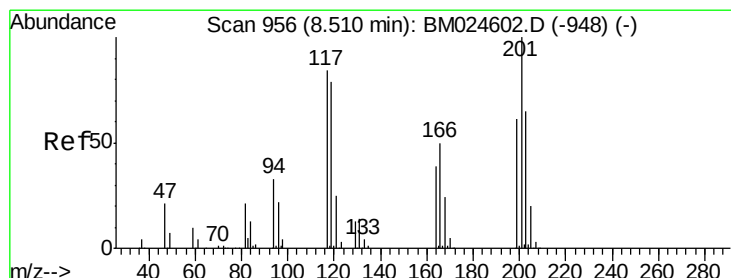
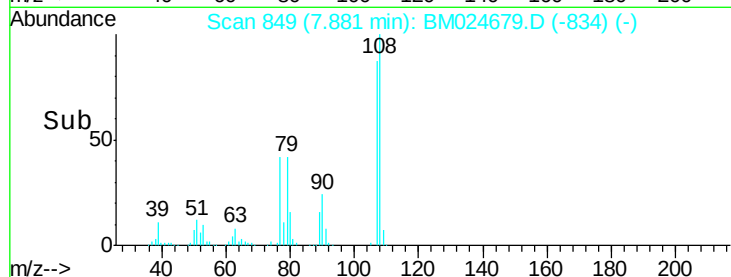
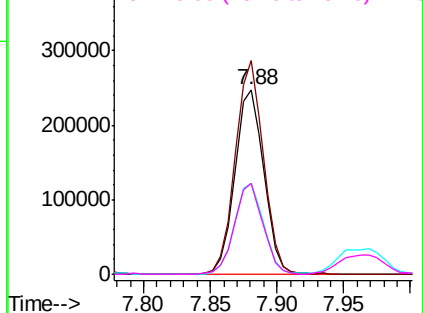
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 33.009 ng

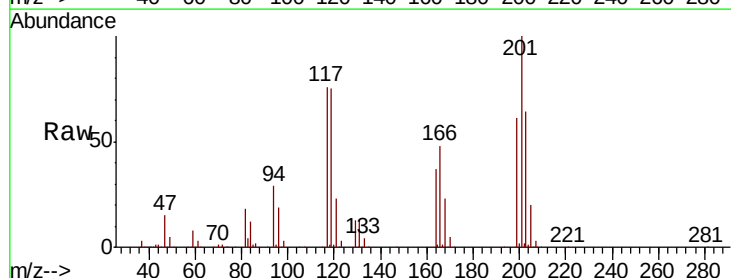
RT: 8.49 min Scan# 952

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 99.5  | 75.4 | 113.2 |       |
| 201     | 132.4 | 95.8 | 143.6 |       |

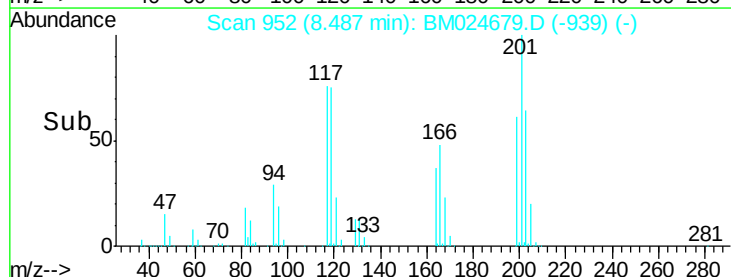
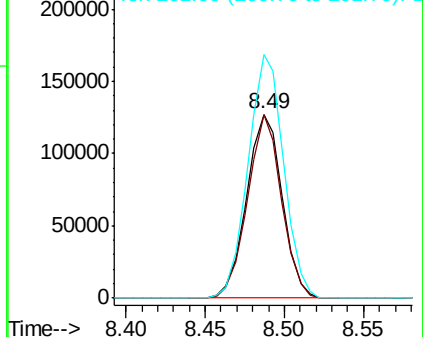


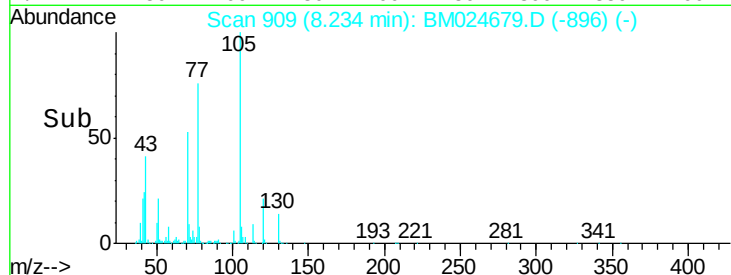
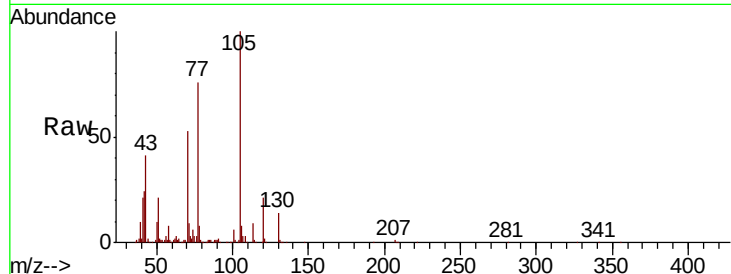
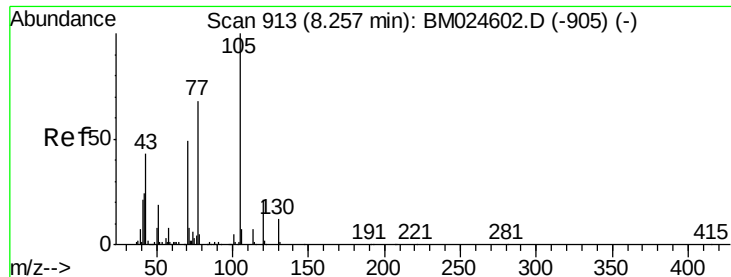
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





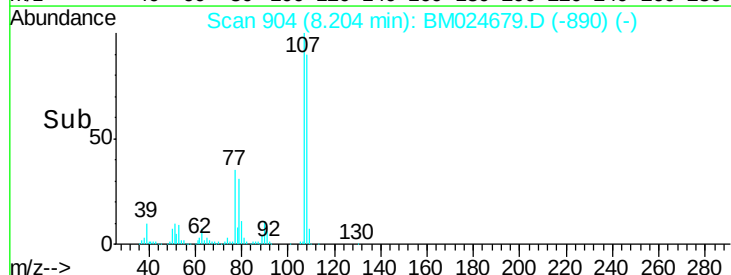
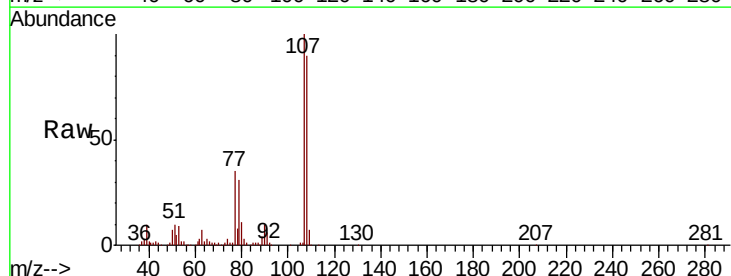
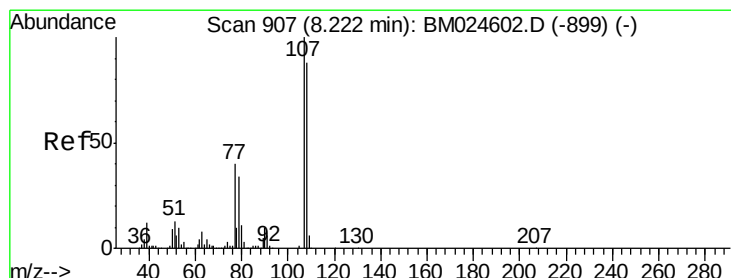
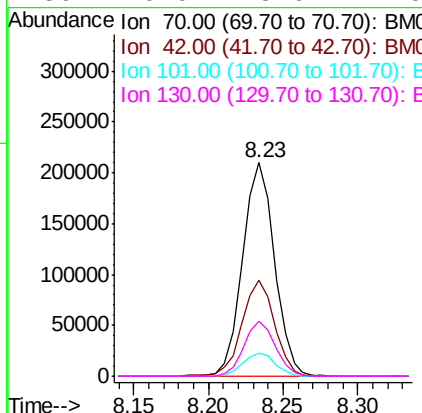
#19  
n-Nitroso-di-n-propylamine  
Concen: 27.501 ng  
RT: 8.23 min Scan# 909  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 311033 |       |       |
| 42      | 44.7 | 40.0  | 60.0   |       |       |
| 101     | 11.0 | 8.2   | 12.2   |       |       |
| 130     | 26.0 | 18.6  | 27.8   |       |       |

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

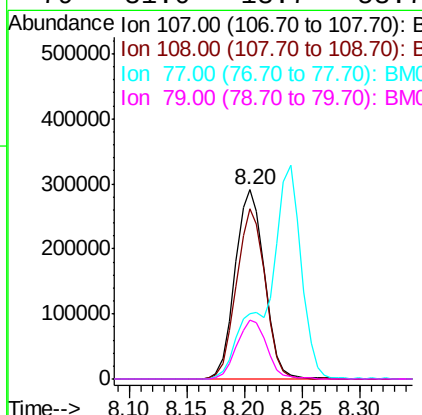
Manual Integrations  
APPROVED

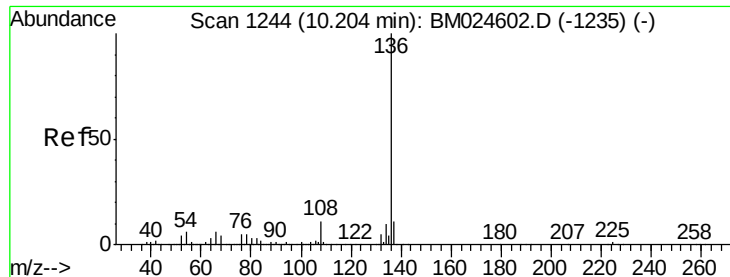
mohammad  
2/3/2020 4:11:07 PM



#20  
3+4-Methylphenols  
Concen: 34.977 ng  
RT: 8.20 min Scan# 904  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 512326 |       |       |
| 108     | 90.3 | 68.0  | 108.0  |       |       |
| 77      | 34.9 | 19.9  | 59.9   |       |       |
| 79      | 31.0 | 13.7  | 53.7   |       |       |





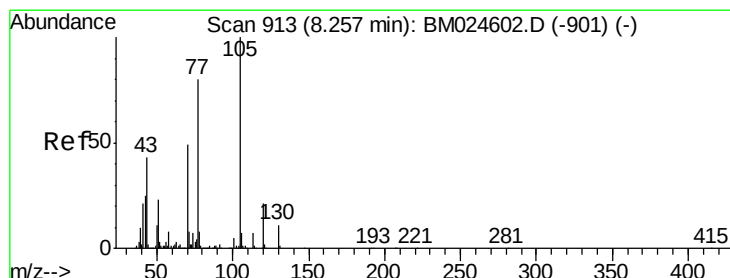
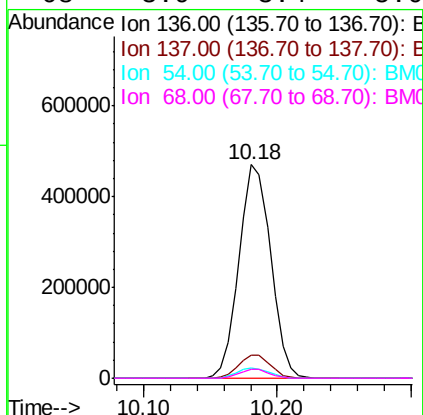
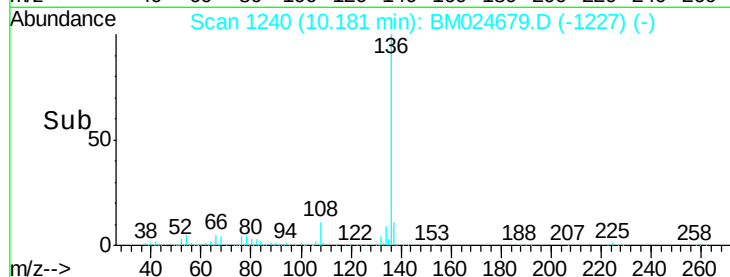
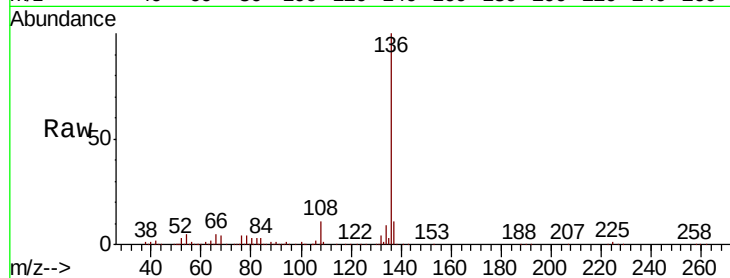
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.18 min Scan# 1240  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 136     | 100  |       |      |       |       |
| 137     | 10.6 | 8.6   | 13.0 |       |       |
| 54      | 4.8  | 4.5   | 6.7  |       |       |
| 68      | 3.9  | 3.4   | 5.0  |       |       |

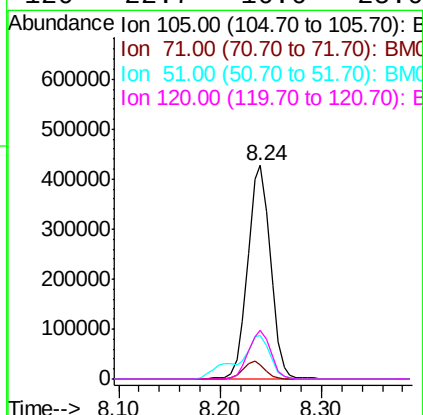
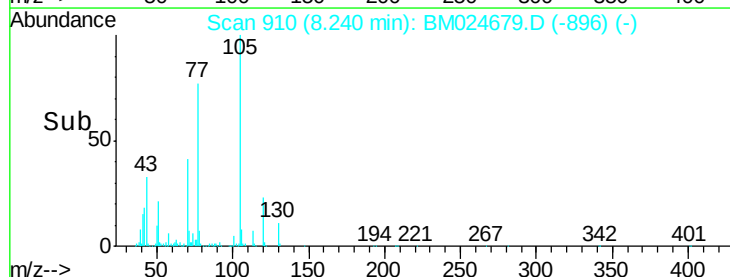
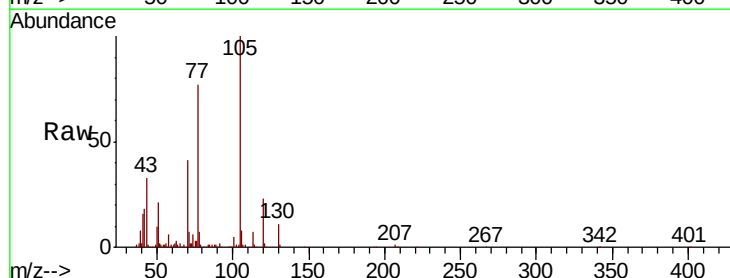
Manual Integrations  
APPROVED

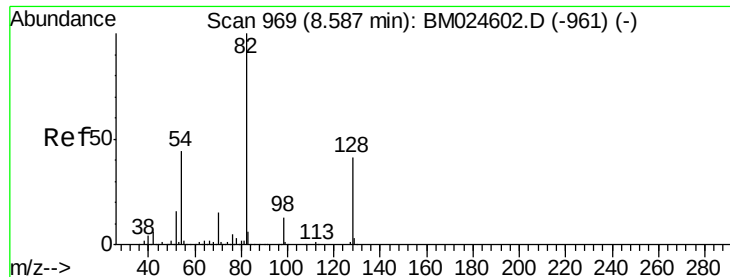
mohammad  
2/3/2020 4:11:07 PM



#22  
Acetophenone  
Concen: 33.388 ng  
RT: 8.24 min Scan# 910  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 105     | 100  |       |      |       |       |
| 71      | 6.8  | 6.7   | 10.1 |       |       |
| 51      | 20.6 | 18.5  | 27.7 |       |       |
| 120     | 22.7 | 16.6  | 25.0 |       |       |





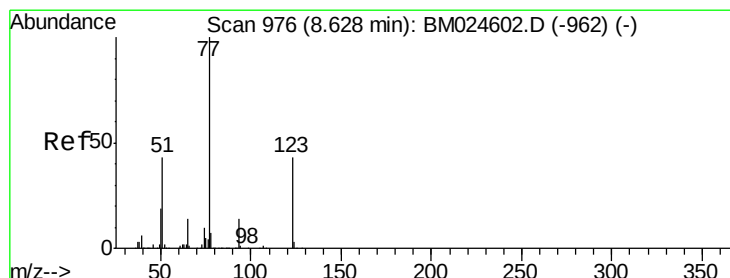
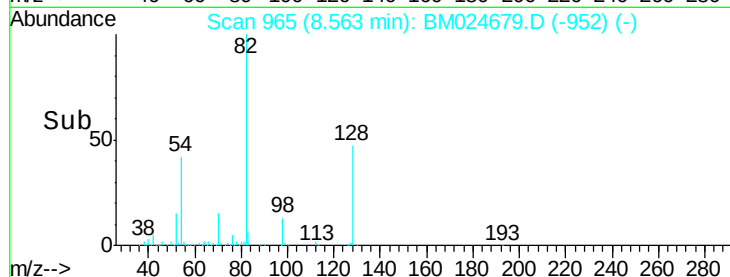
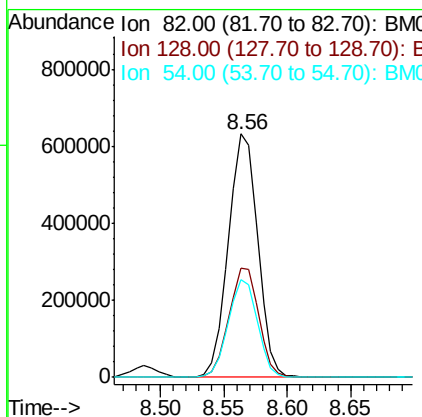
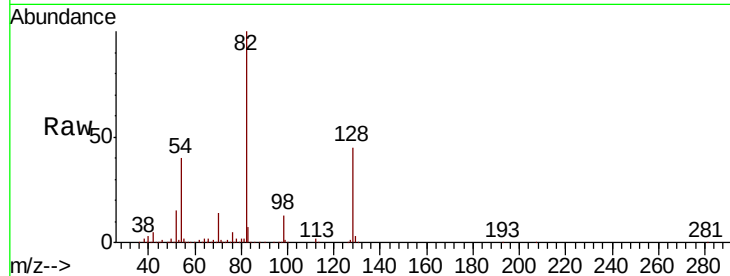
#23  
Nitrobenzene-d5  
Concen: 64.193 ng  
RT: 8.56 min Scan# 965  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.0  | 32.6  | 48.8  |
| 54      | 39.9  | 34.8  | 52.2  |

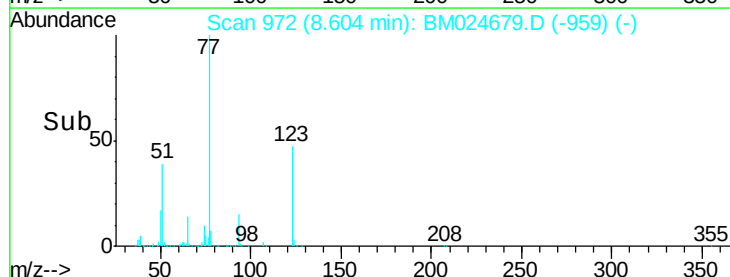
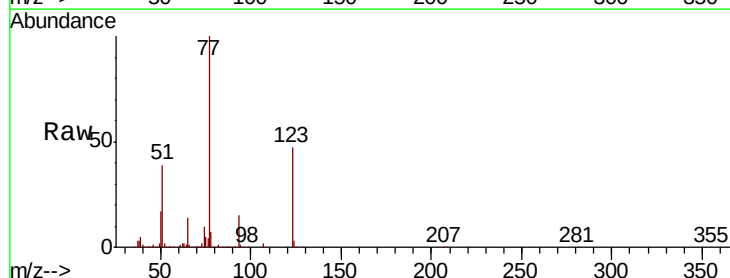
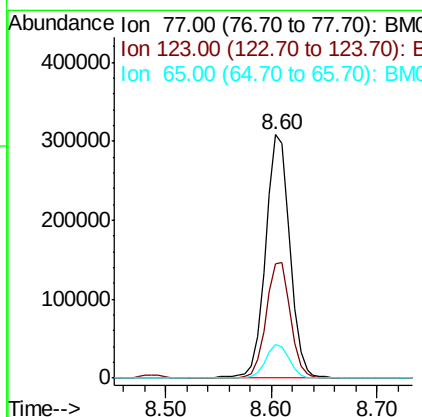
Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

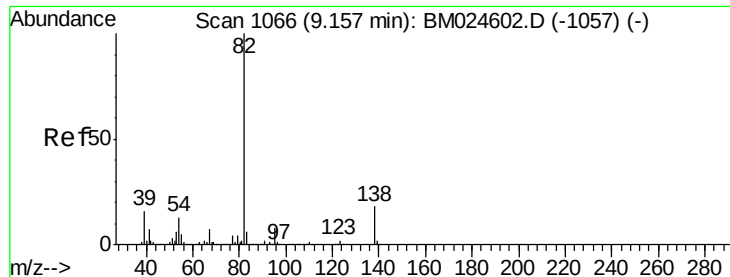


#24  
Nitrobenzene  
Concen: 32.201 ng  
RT: 8.60 min Scan# 972  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 46.9  | 34.6  | 52.0  |
| 65      | 13.9  | 11.0  | 16.4  |







#25

Isophorone

Concen: 32.435 ng

RT: 9.13 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

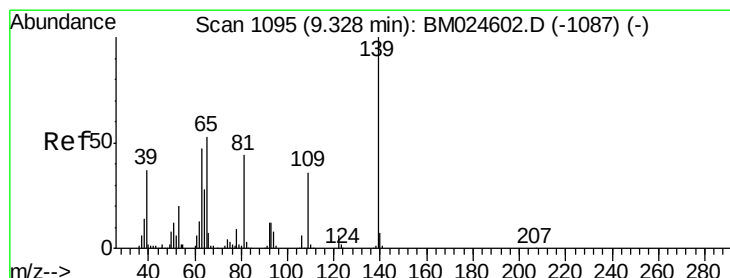
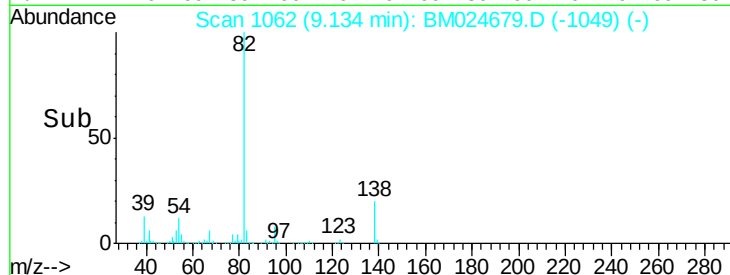
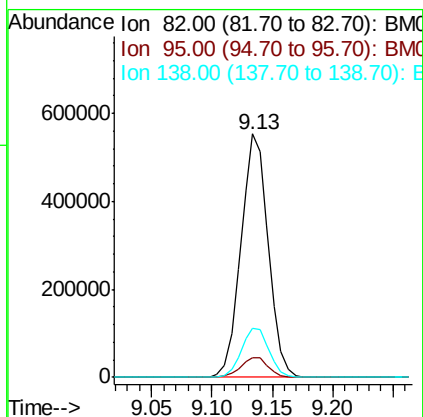
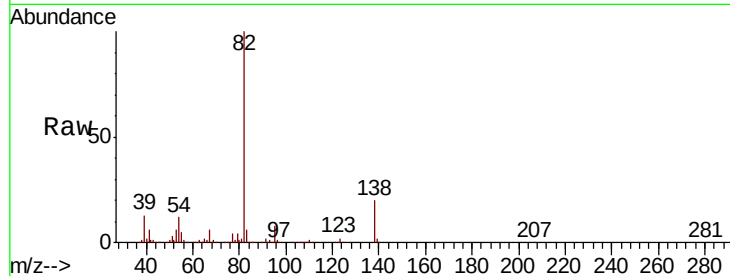
ClientSampleId :

PB126505BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 870147 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.1   | 6.7   | 10.1   |
| 138       | 20.0  | 14.7  | 22.1   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#26

2-Nitrophenol

Concen: 40.035 ng

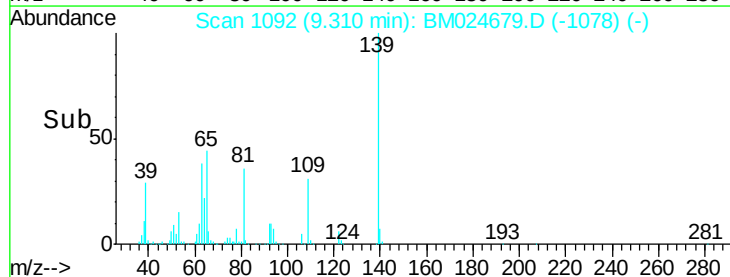
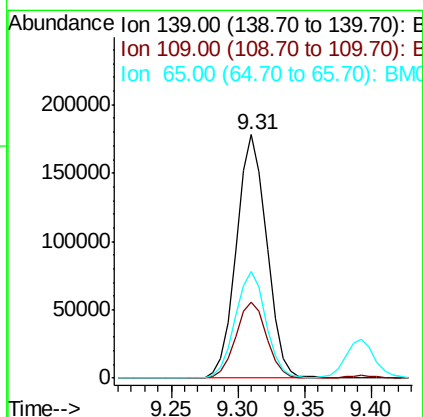
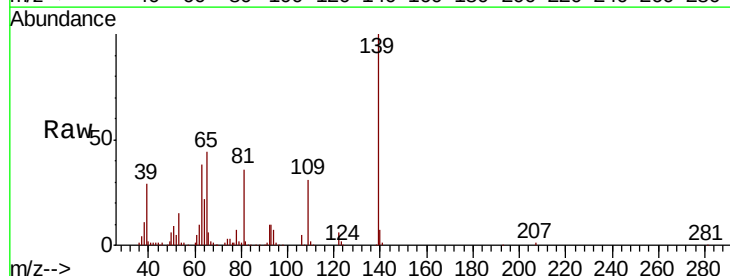
RT: 9.31 min Scan# 1092

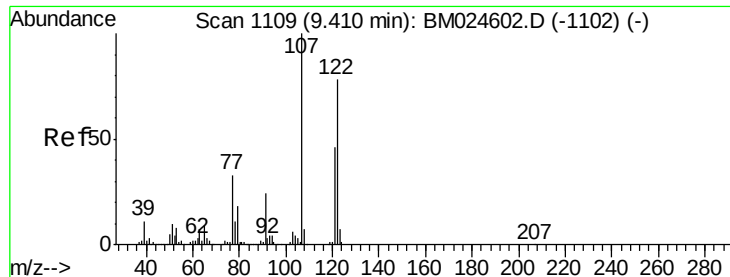
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 280481 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 31.1  | 28.8  | 43.2   |
| 65        | 44.0  | 42.6  | 63.8   |





#27

2,4-Dimethylphenol

Concen: 44.291 ng

RT: 9.39 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

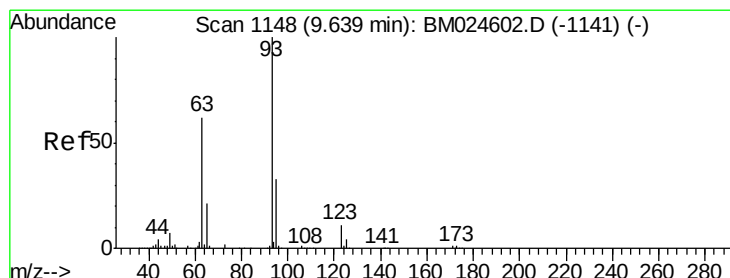
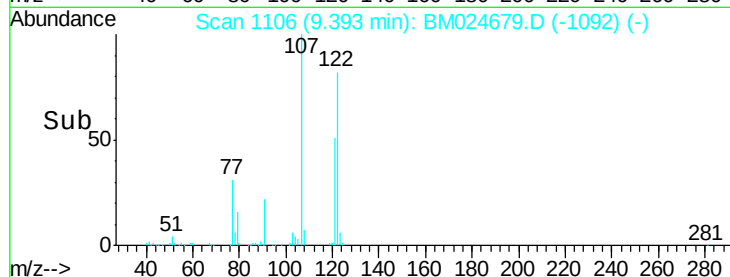
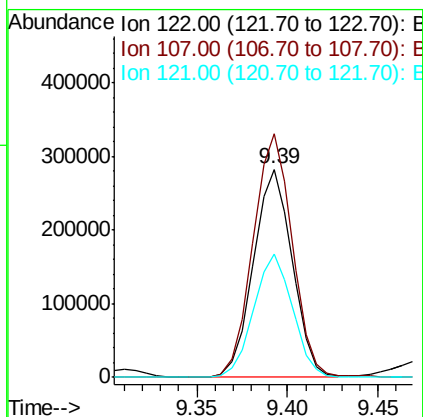
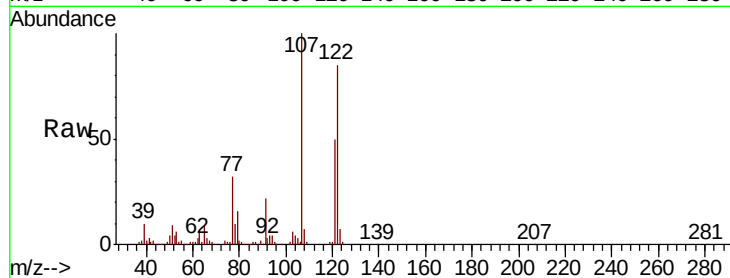
ClientSampleId :

PB126505BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 421664 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 117.2 | 102.5 | 153.7  |
| 121       | 59.1  | 47.0  | 70.4   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#28

bis(2-Chloroethoxy)methane

Concen: 33.041 ng

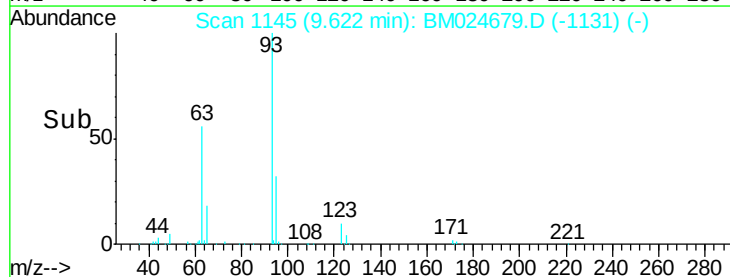
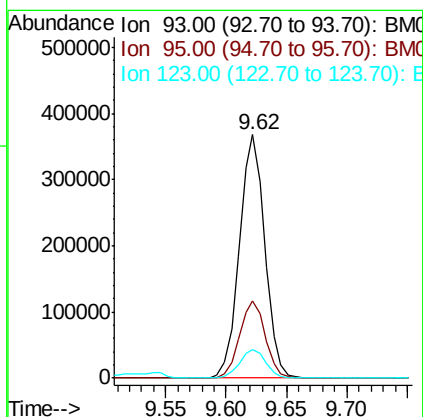
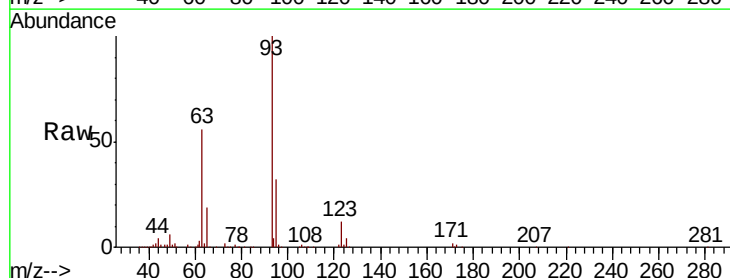
RT: 9.62 min Scan# 1145

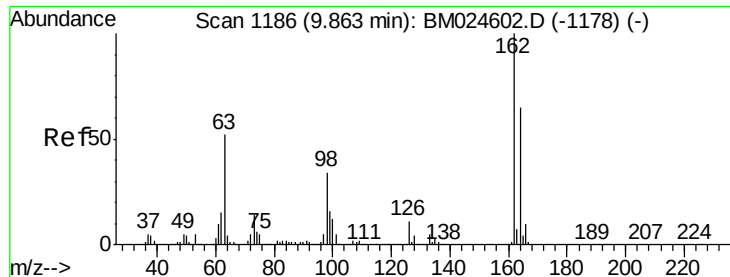
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 541474 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 31.9  | 26.1  | 39.1   |
| 123       | 11.7  | 8.7   | 13.1   |





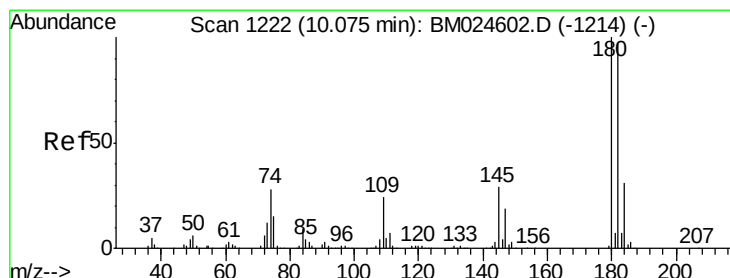
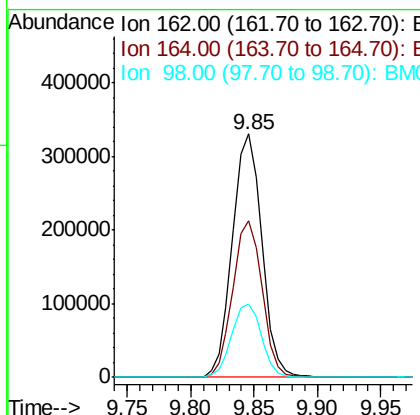
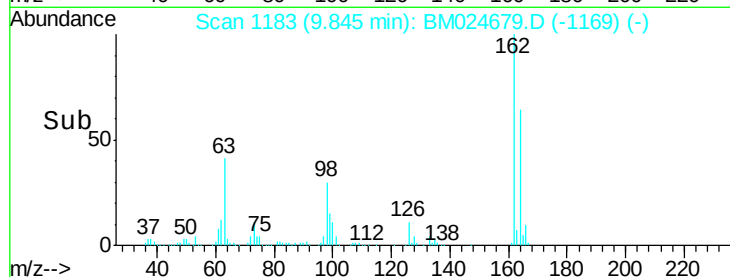
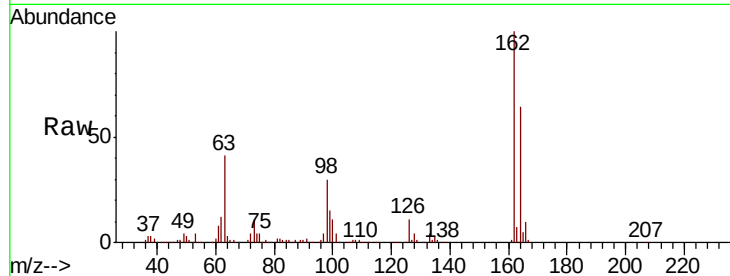
#29  
2,4-Dichlorophenol  
Concen: 41.449 ng  
RT: 9.85 min Scan# 1183  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 533134 |       |       |
| 164     | 64.5  | 44.5   | 84.5  |       |
| 98      | 30.3  | 14.2   | 54.2  |       |

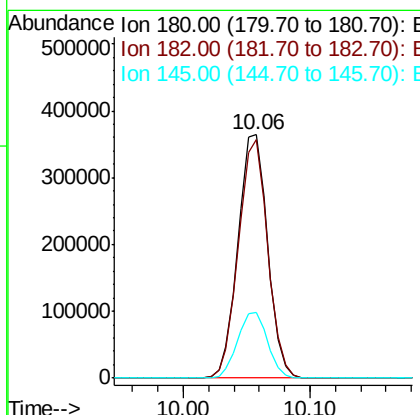
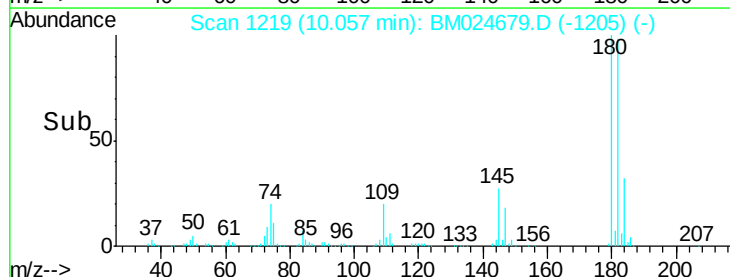
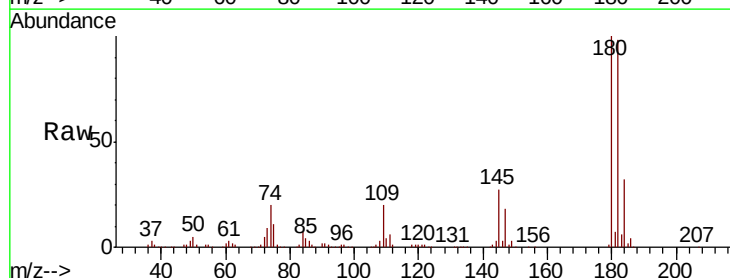
Manual Integrations  
APPROVED

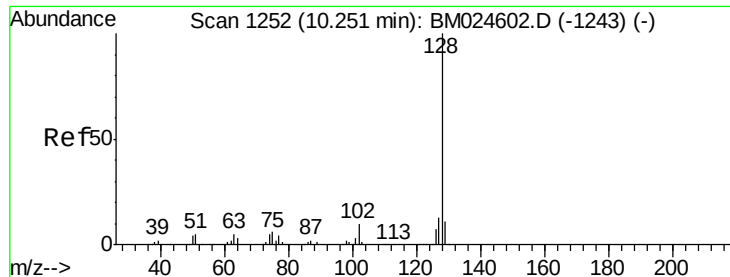
mohammad  
2/3/2020 4:11:07 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 38.049 ng  
RT: 10.06 min Scan# 1219  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 590243 |       |       |
| 182     | 98.2  | 77.8   | 116.6 |       |
| 145     | 27.2  | 22.9   | 34.3  |       |





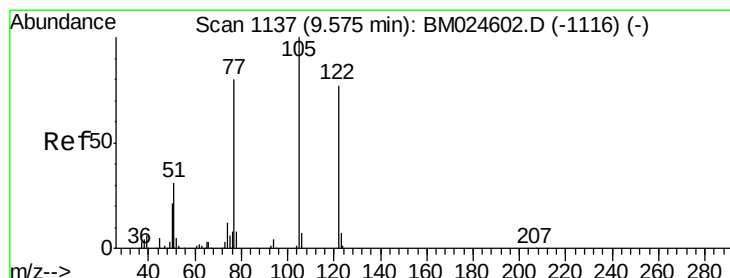
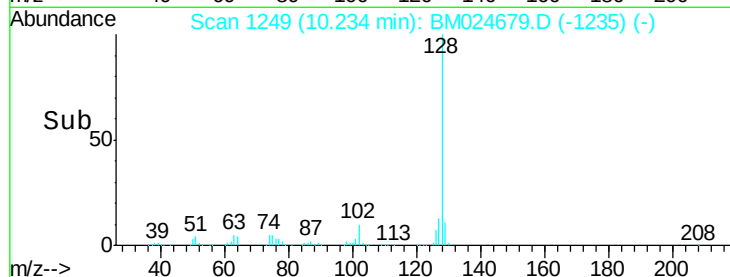
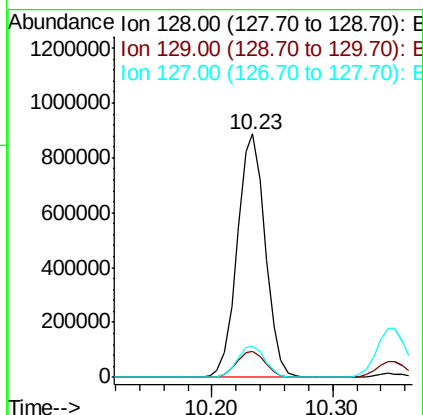
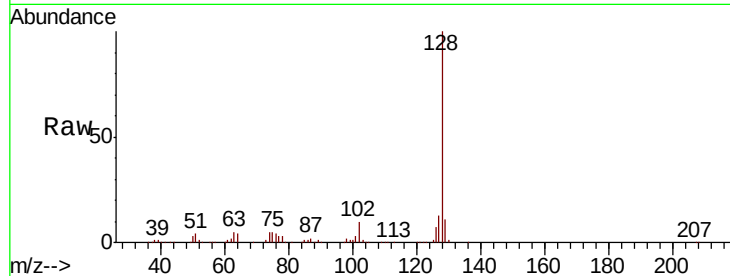
#31  
Naphthalene  
Concen: 36.631 ng  
RT: 10.23 min Scan# 1249  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 8.8   | 13.2  |
| 127     | 12.9  | 10.6  | 15.8  |

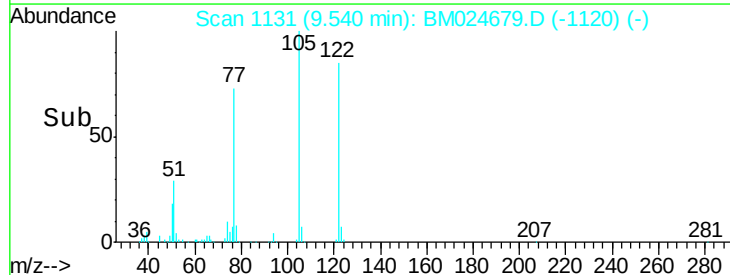
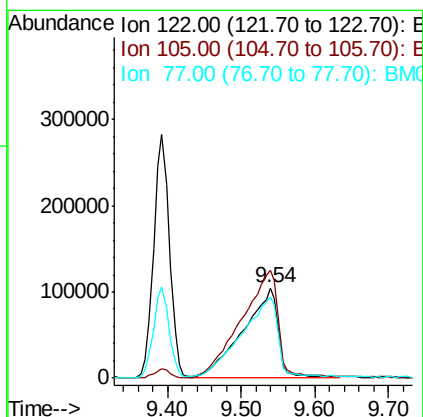
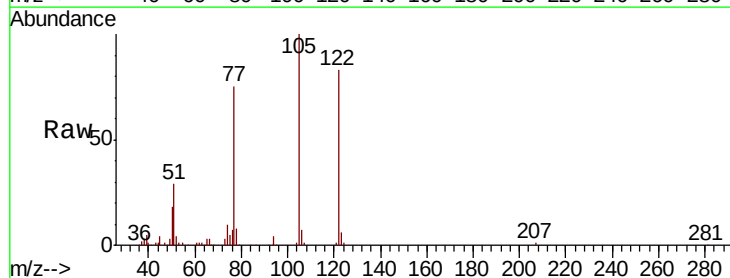
Manual Integrations  
APPROVED

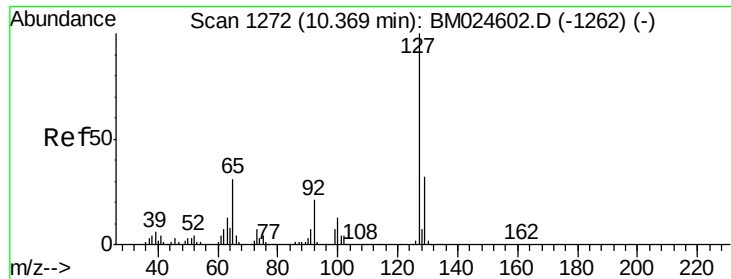
mohammad  
2/3/2020 4:11:07 PM



#32  
Benzoic acid  
Concen: 39.955 ng m  
RT: 9.54 min Scan# 1131  
Delta R.T. -0.04 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 119.9 | 107.7 | 147.7 |
| 77      | 89.7  | 83.8  | 123.8 |





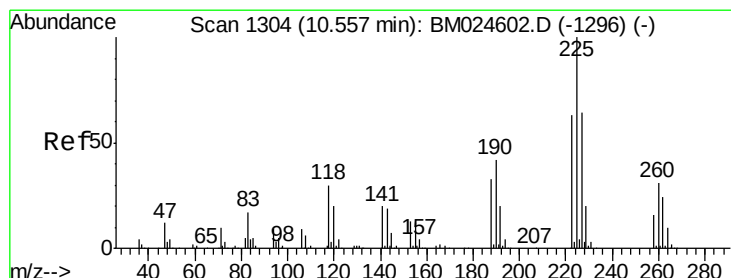
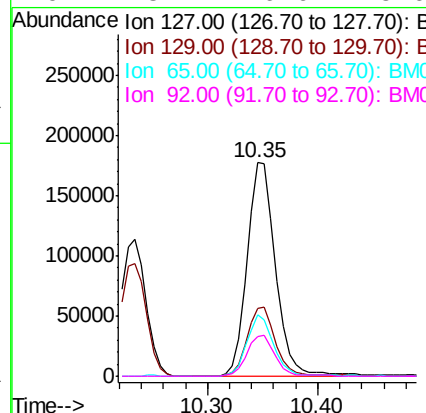
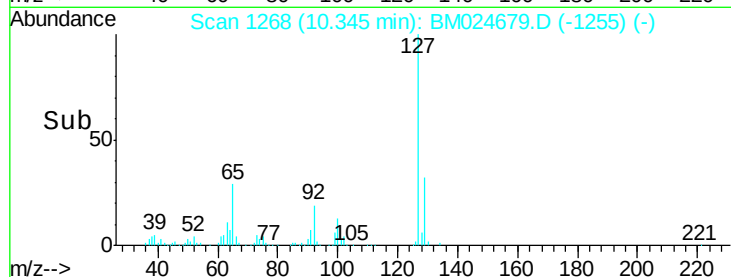
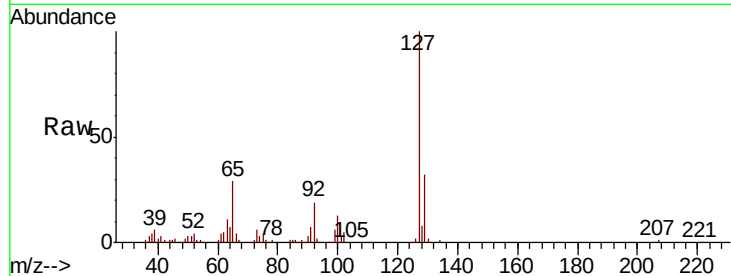
#33  
4-Chloroaniline  
Concen: 18.807 ng  
RT: 10.35 min Scan# 1268  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.8 | 25.9  | 38.9 |       |       |
| 65      | 28.6 | 25.1  | 37.7 |       |       |
| 92      | 18.7 | 16.6  | 25.0 |       |       |

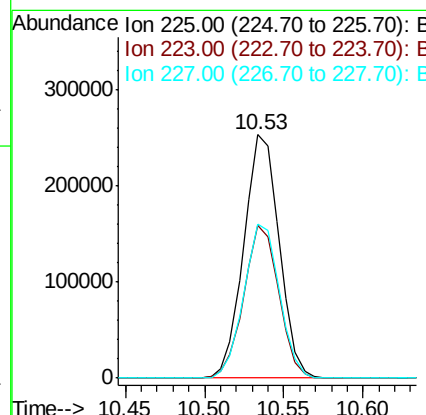
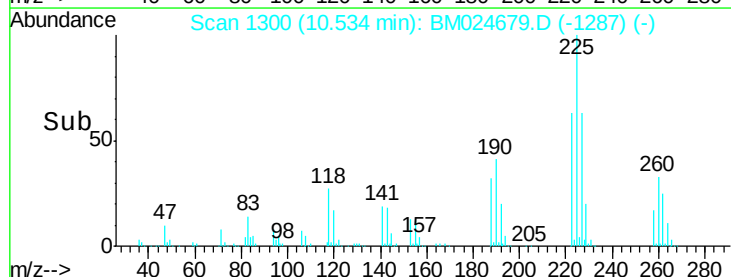
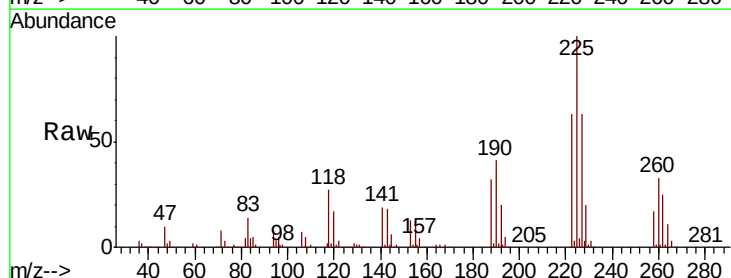
Manual Integrations  
APPROVED

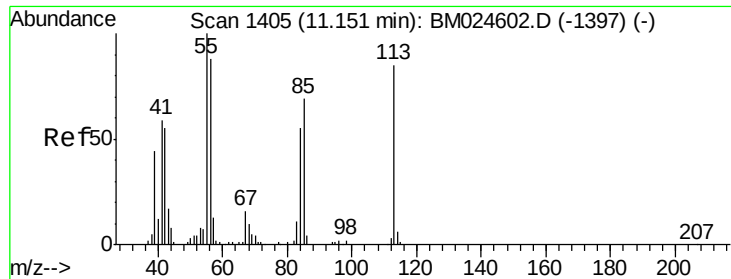
mohammad  
2/3/2020 4:11:07 PM



#34  
Hexachlorobutadiene  
Concen: 36.767 ng  
RT: 10.53 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.6 | 50.7  | 76.1 |       |       |
| 227     | 63.4 | 51.4  | 77.0 |       |       |





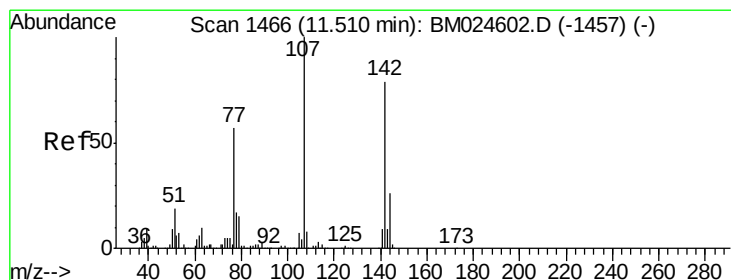
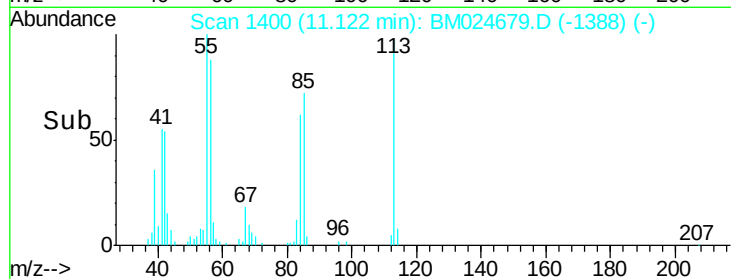
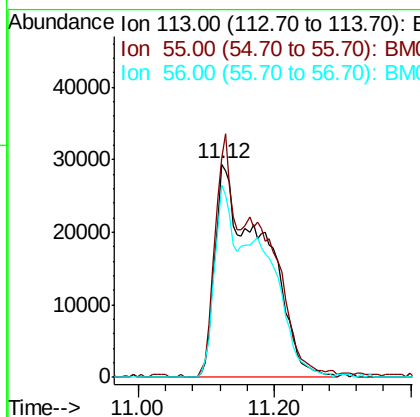
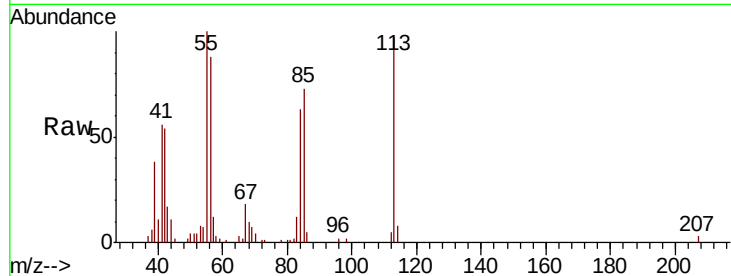
#35  
 Caprolactam  
 Concen: 34.884 ng/ml  
 RT: 11.12 min Scan# 1400  
 Delta R.T. -0.03 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 102.8 | 97.5  | 137.5 |
| 56      | 90.2  | 83.4  | 123.4 |

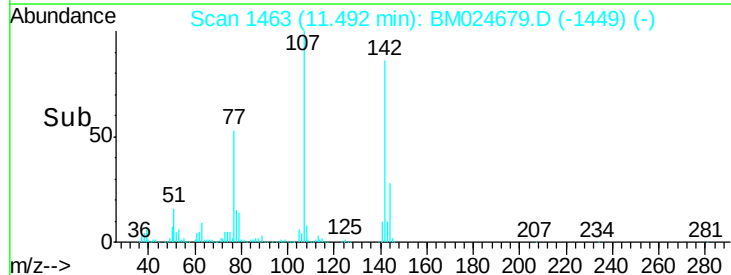
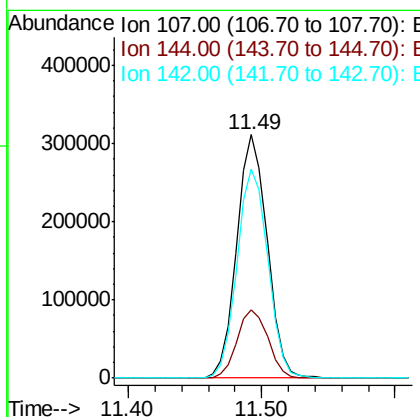
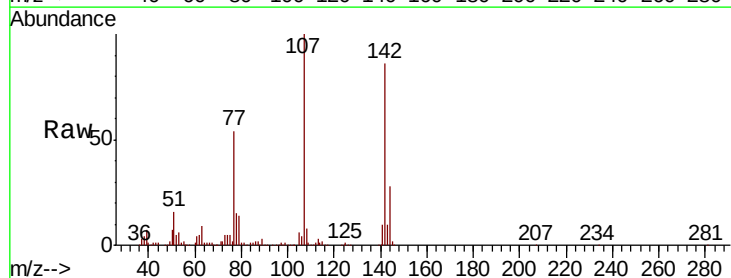
Manual Integrations  
 APPROVED

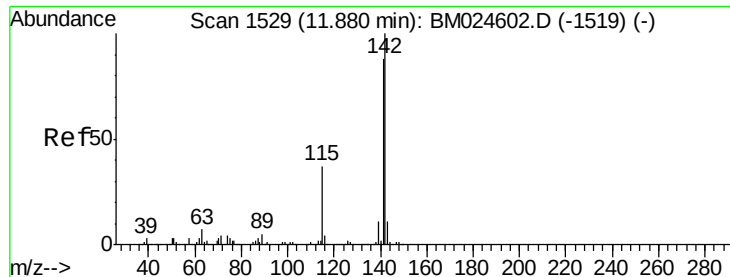
mohammad  
 2/3/2020 4:11:07 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 36.077 ng/ml  
 RT: 11.49 min Scan# 1463  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 28.1  | 20.5  | 30.7  |
| 142     | 85.8  | 62.8  | 94.2  |





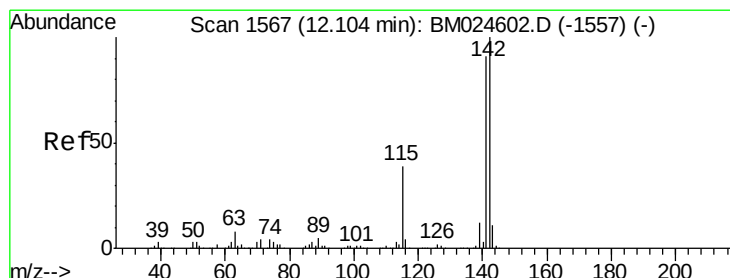
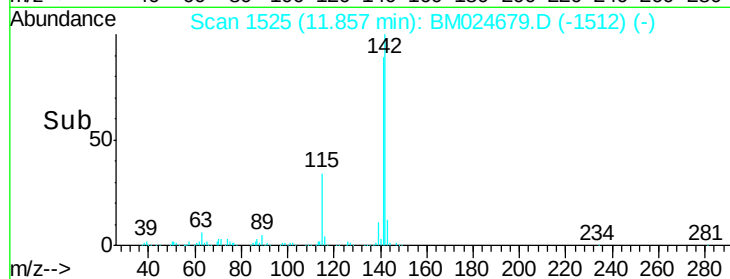
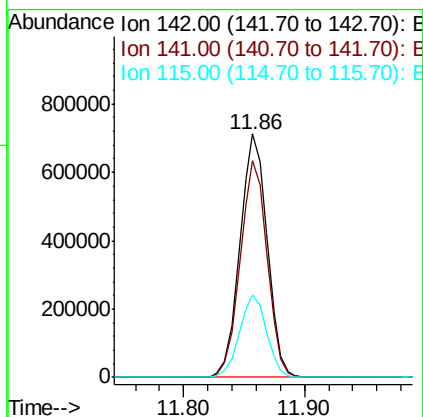
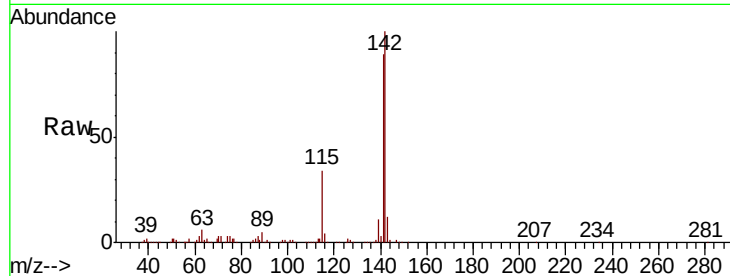
#37  
2-Methylnaphthalene  
Concen: 37.233 ng  
RT: 11.86 min Scan# 1525  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 70.2  | 105.2 |
| 115     | 34.0  | 29.7  | 44.5  |

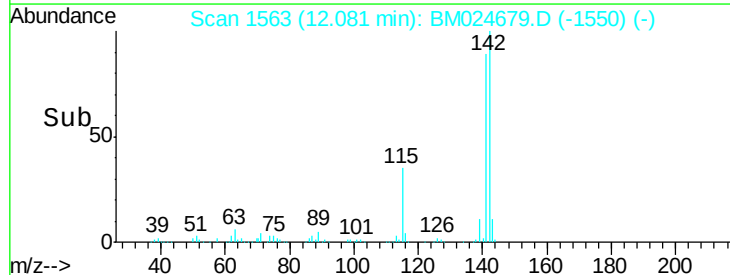
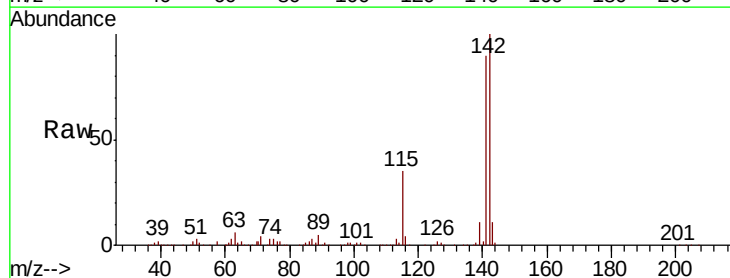
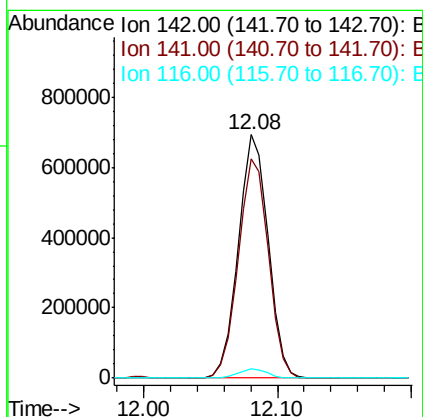
Manual Integrations  
APPROVED

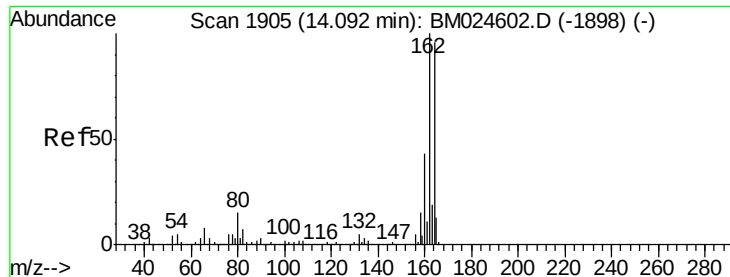
mohammad  
2/3/2020 4:11:07 PM



#38  
1-Methylnaphthalene  
Concen: 37.135 ng  
RT: 12.08 min Scan# 1563  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 72.8  | 109.2 |
| 116     | 3.9   | 3.2   | 4.8   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.07 min Scan# 1902

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

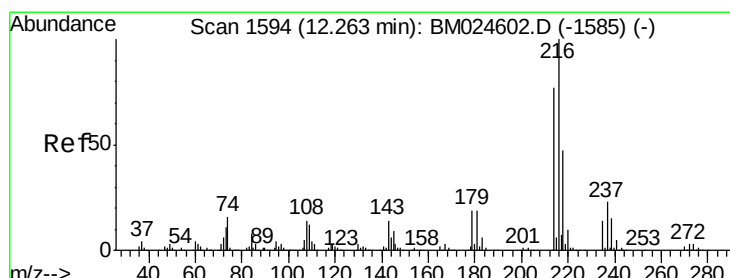
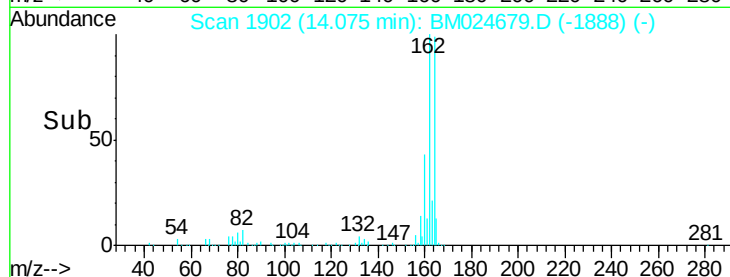
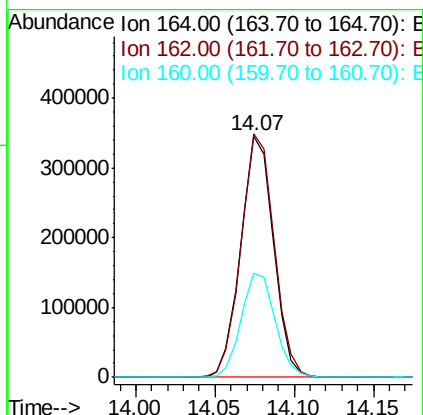
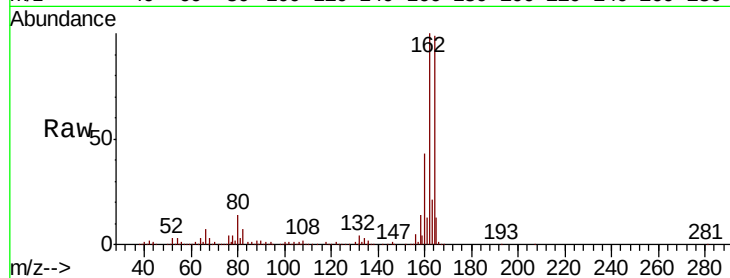
ClientSampleId :

PB126505BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 495496 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.9 | 82.9  | 124.3  |
| 160       | 43.2  | 35.5  | 53.3   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.272 ng

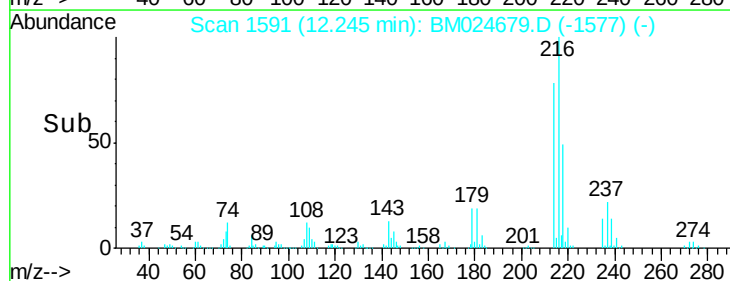
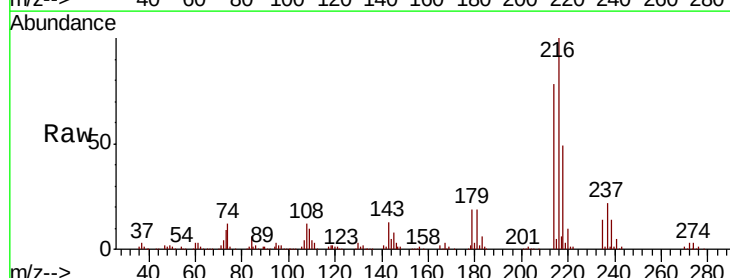
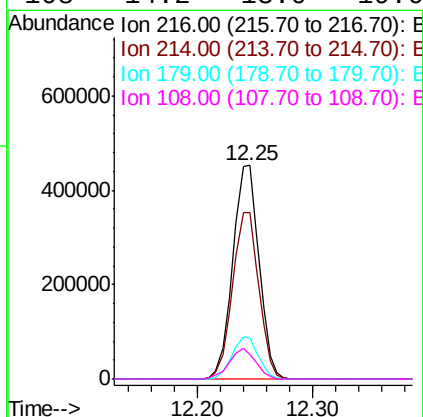
RT: 12.25 min Scan# 1591

Delta R.T. -0.02 min

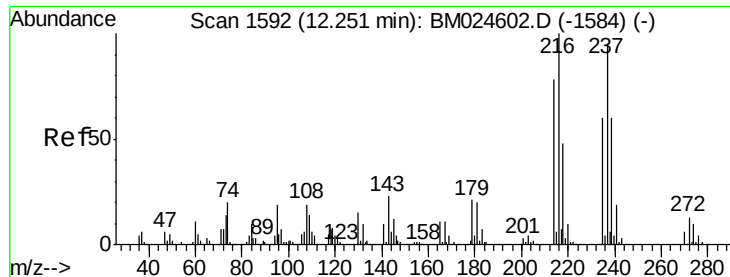
Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 712179 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.2  | 62.3  | 93.5   |
| 179       | 19.8  | 16.1  | 24.1   |
| 108       | 14.2  | 13.0  | 19.6   |







#41

Hexachlorocyclopentadiene

Concen: 54.954 ng

RT: 12.23 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

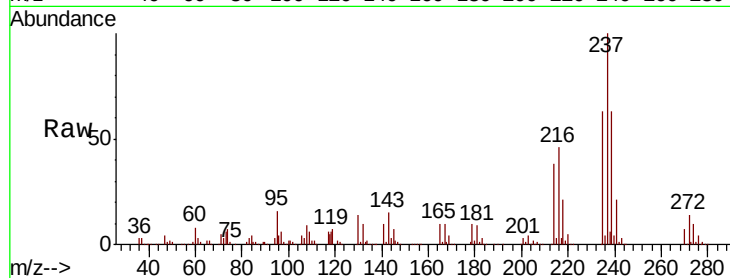
ClientSampleId :

PB126505BS

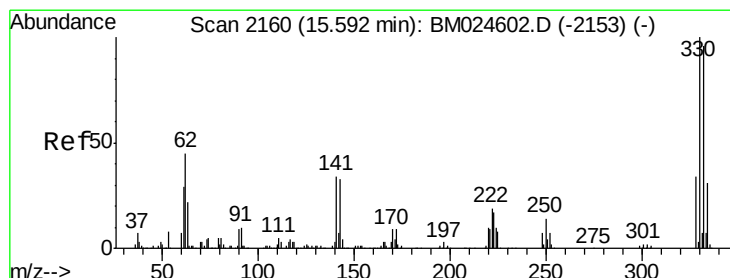
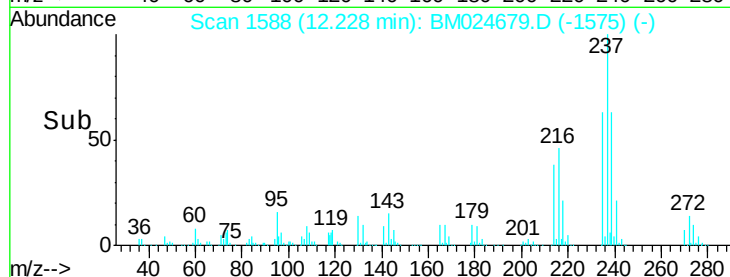
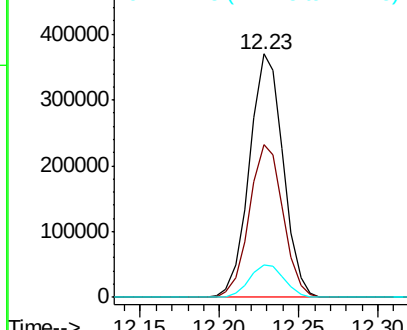
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 544727 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.5  | 43.3  | 83.3   |
| 272       | 13.5  | 0.0   | 33.4   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



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: 133.154 ng

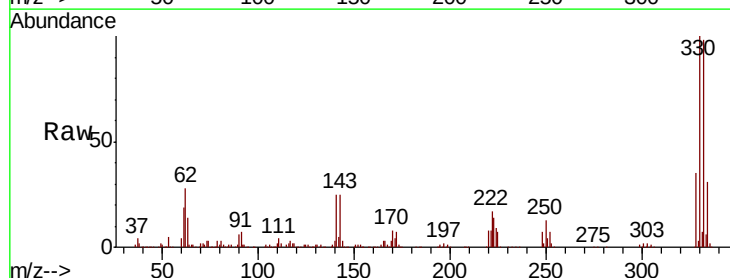
RT: 15.58 min Scan# 2158

Delta R.T. -0.01 min

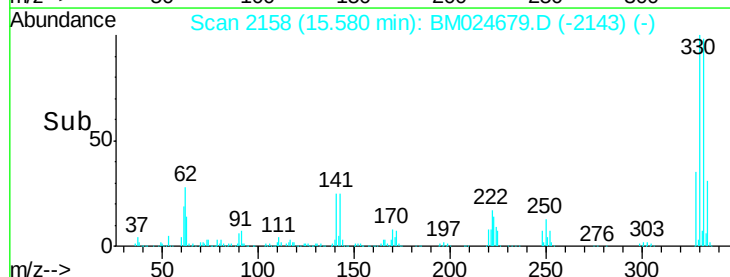
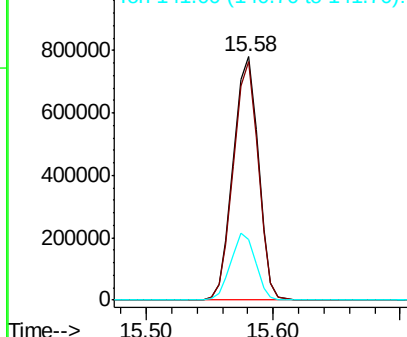
Lab File: BM024679.D

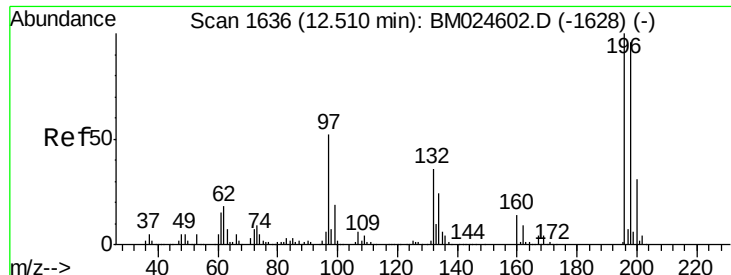
Acq: 31 Jan 2020 17:23

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 330   | Resp: | 1073219 |
| Ion Ratio | Lower | Upper |         |
| 330       | 100   |       |         |
| 332       | 96.6  | 77.2  | 115.8   |
| 141       | 27.0  | 26.9  | 40.3    |



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





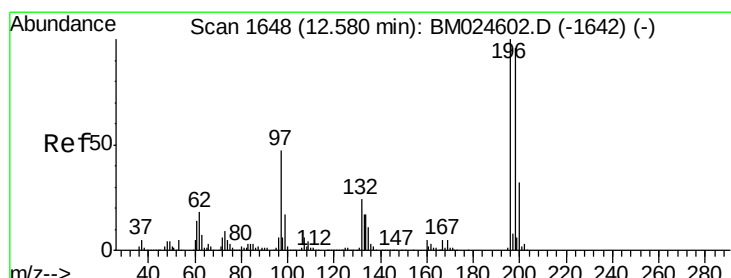
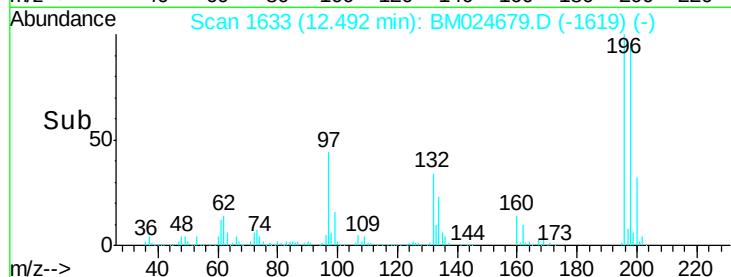
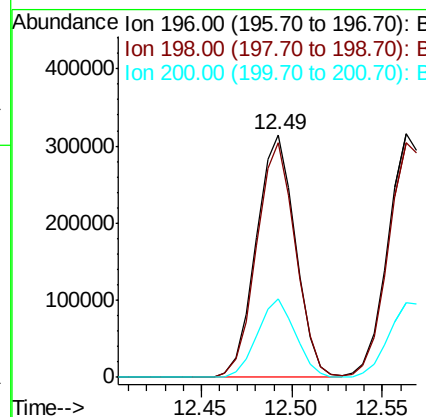
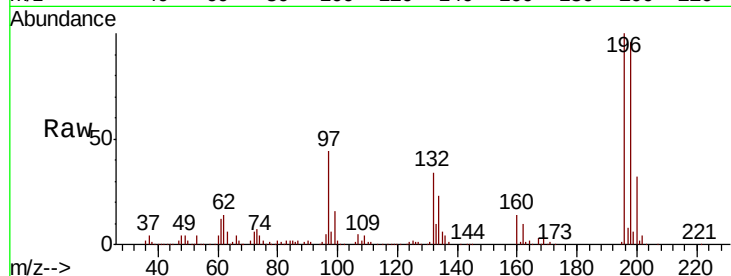
#43  
2,4,6-Trichlorophenol  
Concen: 42.114 ng  
RT: 12.49 min Scan# 1633  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 473929 |       |       |
| 198     | 96.4  | 76.5   | 114.7 |       |
| 200     | 32.3  | 25.0   | 37.6  |       |

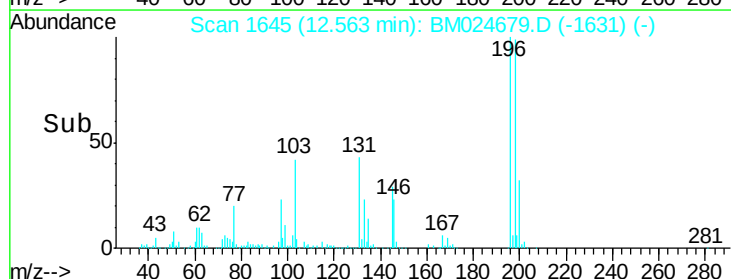
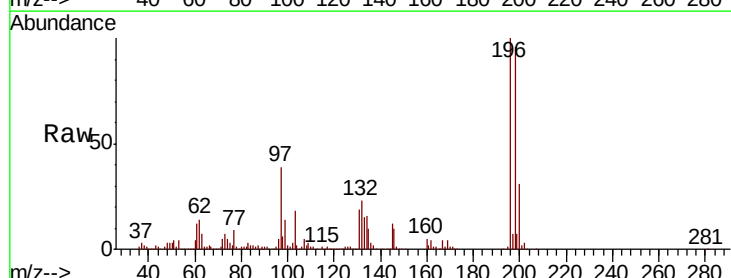
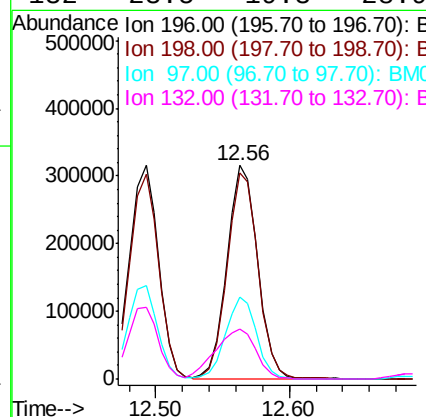
Manual Integrations  
APPROVED

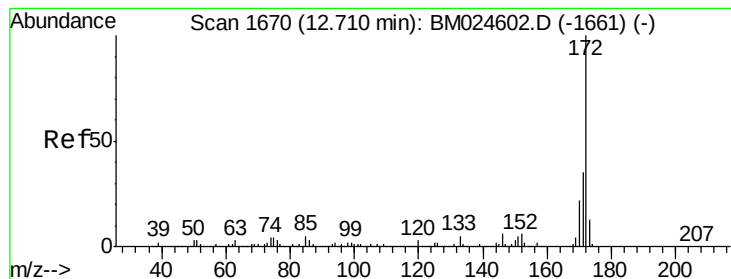
mohammad  
2/3/2020 4:11:07 PM



#44  
2,4,5-Trichlorophenol  
Concen: 44.122 ng  
RT: 12.56 min Scan# 1645  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 507085 |       |       |
| 198     | 96.3  | 77.2   | 115.8 |       |
| 97      | 38.6  | 37.4   | 56.0  |       |
| 132     | 23.5  | 19.3   | 28.9  |       |





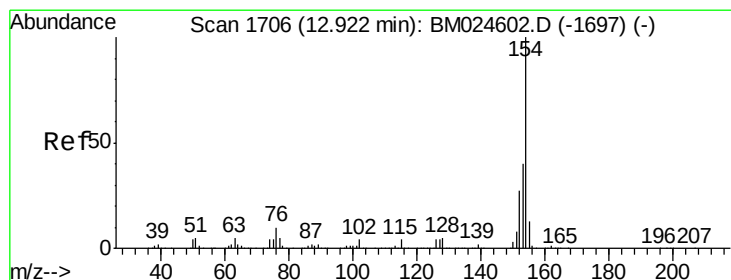
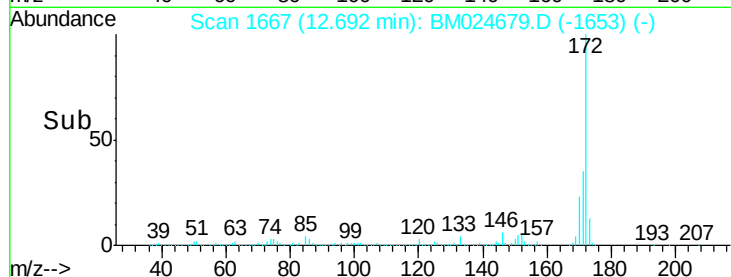
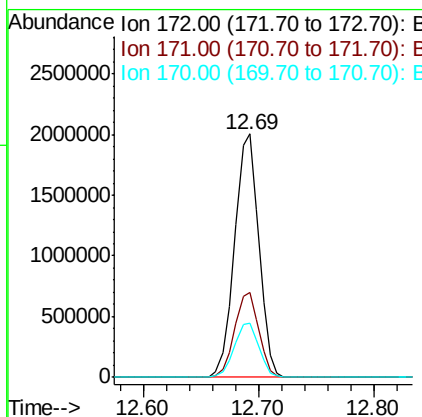
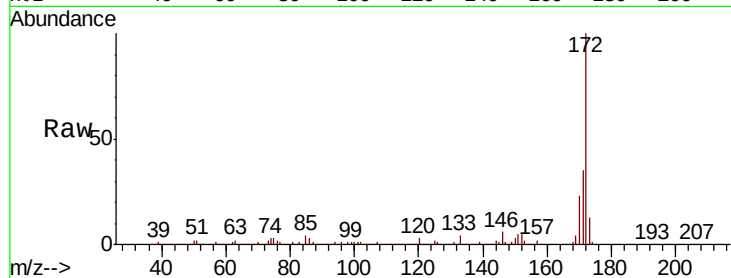
#45  
2-Fluorobiphenyl  
Concen: 79.844 ng  
RT: 12.69 min Scan# 1667  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 28.3  | 42.5  |
| 170     | 22.5  | 17.9  | 26.9  |

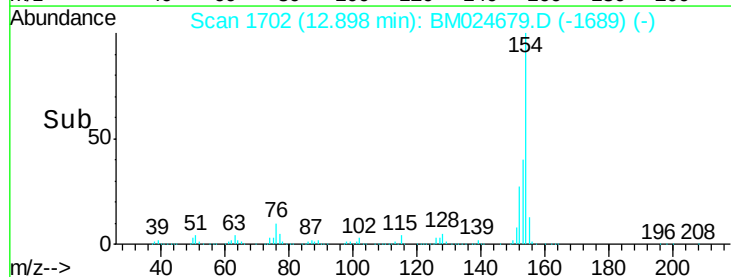
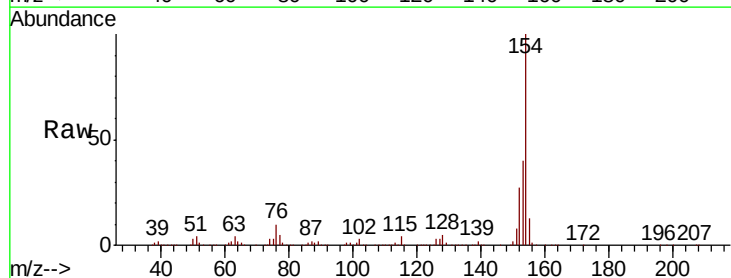
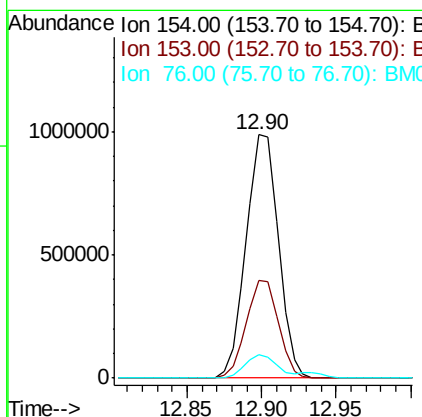
Manual Integrations  
APPROVED

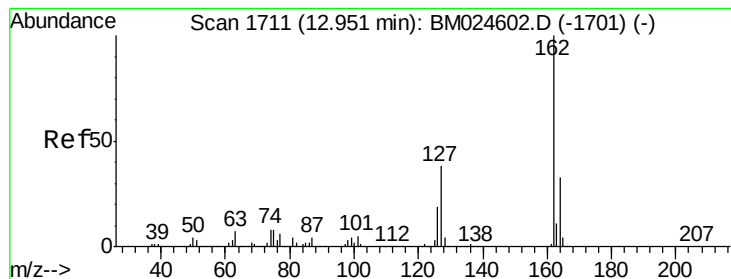
mohammad  
2/3/2020 4:11:07 PM



#46  
1,1'-Biphenyl  
Concen: 39.488 ng  
RT: 12.90 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.3  | 20.3  | 60.3  |
| 76      | 9.5   | 0.0   | 30.5  |





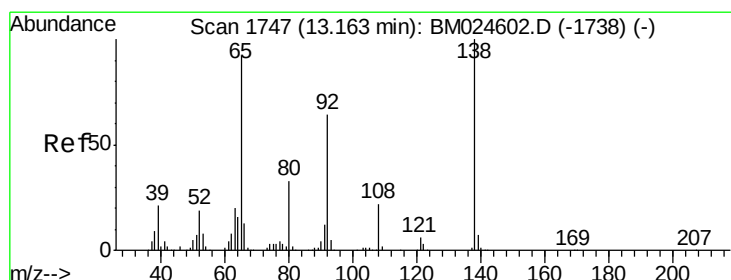
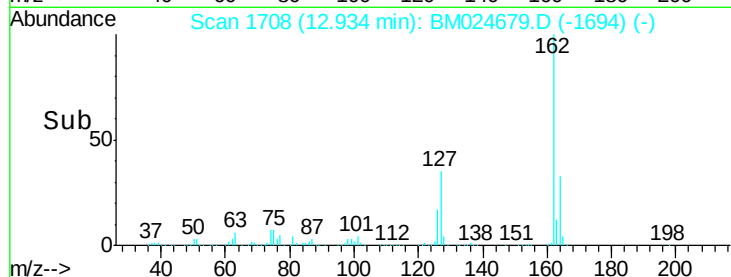
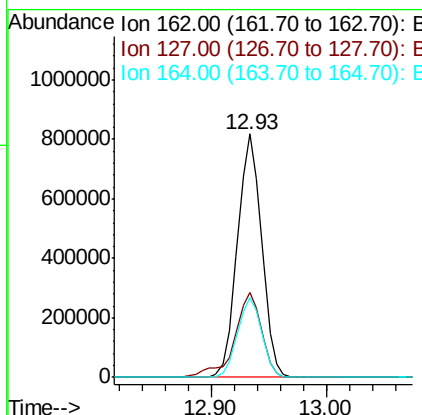
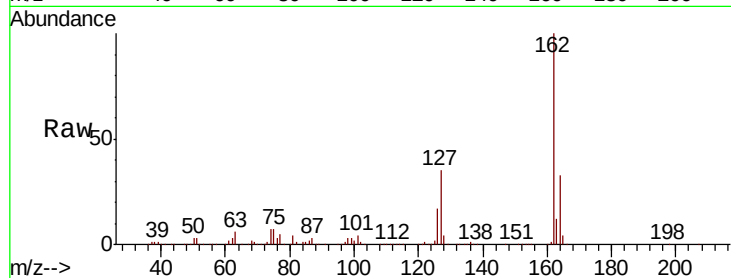
#47  
 2-Chloronaphthalene  
 Concen: 39.275 ng  
 RT: 12.93 min Scan# 1708  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Instrument :  
 BNA\_M  
 ClientSampled :  
 PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.1  | 30.4  | 45.6  |
| 164     | 32.9  | 26.5  | 39.7  |

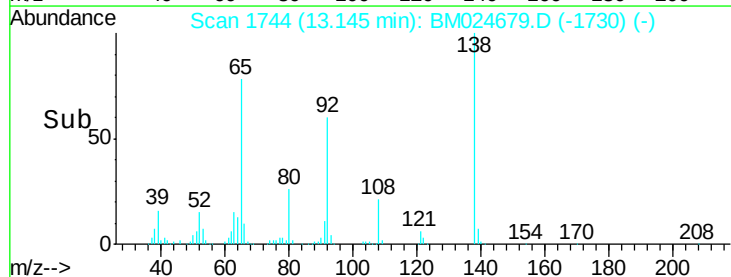
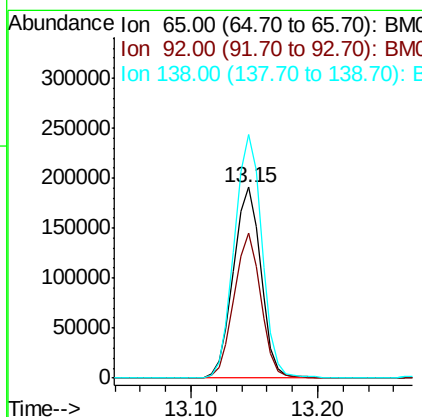
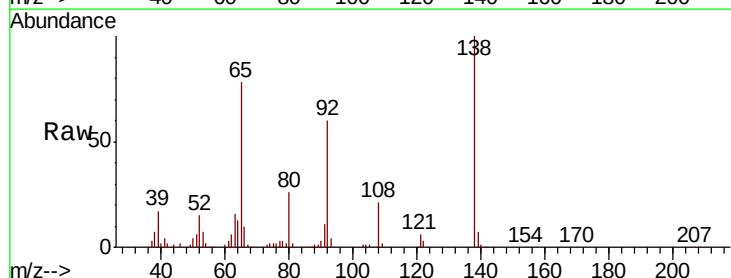
Manual Integrations  
 APPROVED

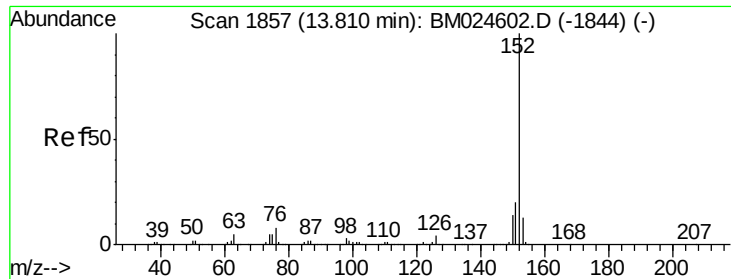
mohammad  
 2/3/2020 4:11:07 PM



#48  
 2-Nitroaniline  
 Concen: 31.239 ng  
 RT: 13.15 min Scan# 1744  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 76.1  | 55.4  | 83.2  |
| 138     | 127.4 | 86.6  | 129.8 |





#49

Acenaphthylene

Concen: 40.835 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

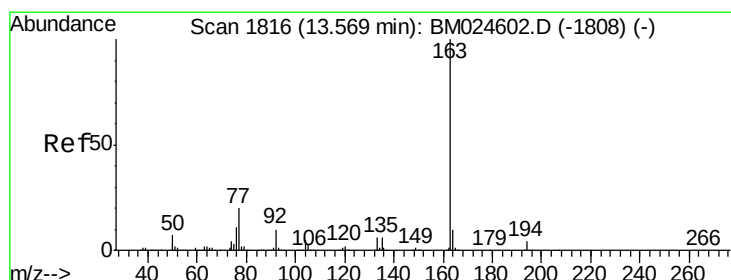
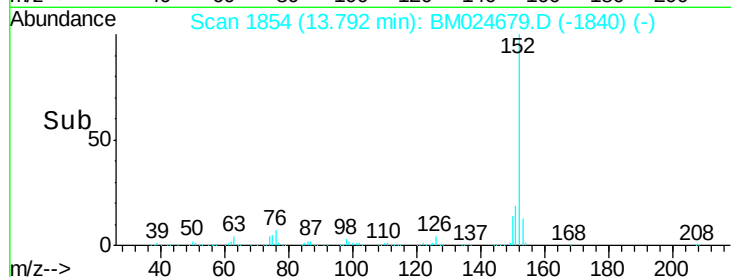
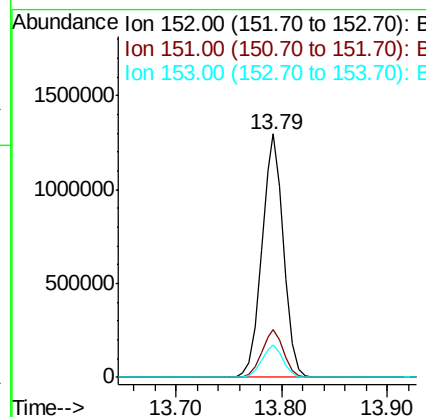
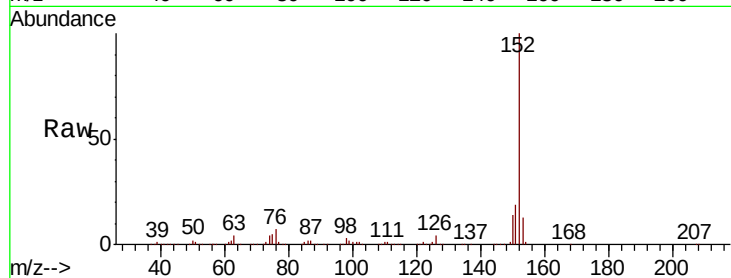
ClientSampleId :

PB126505BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 1850564 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 19.5  | 15.8  | 23.6    |
| 153      | 13.2  | 10.4  | 15.6    |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#50

Dimethylphthalate

Concen: 38.223 ng

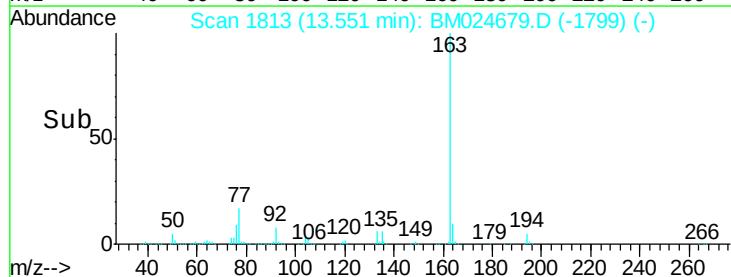
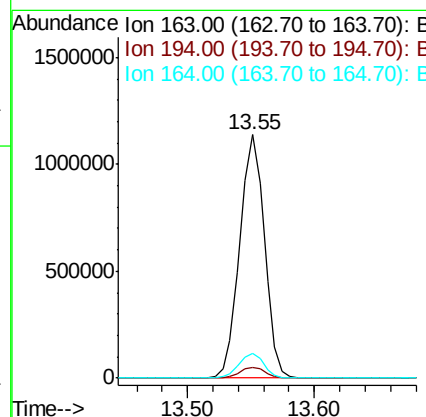
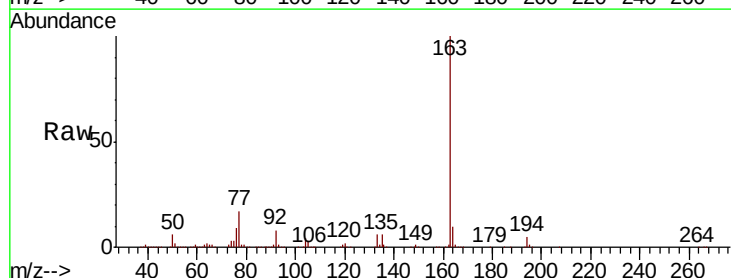
RT: 13.55 min Scan# 1813

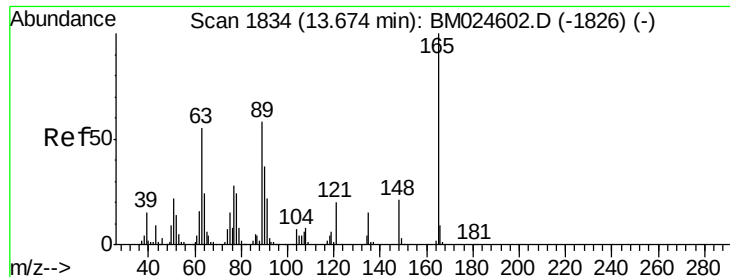
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 1531475 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.5   | 3.4   | 5.0     |
| 164      | 10.1  | 8.0   | 12.0    |





#51

2,6-Dinitrotoluene

Concen: 41.263 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

ClientSampleId :

PB126505BS

Tot Ion:165 Resp: 351505  
Ion Ratio Lower Upper

165 100

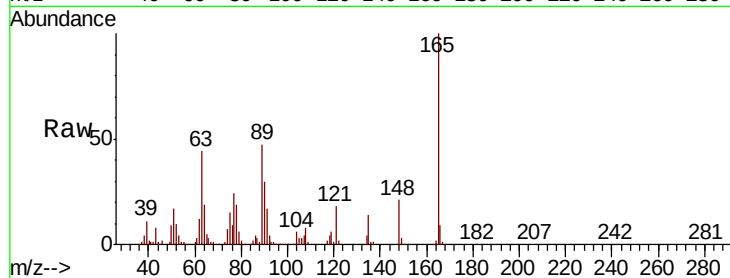
63 44.1 45.4 68.0#

89 46.9 46.6 69.8

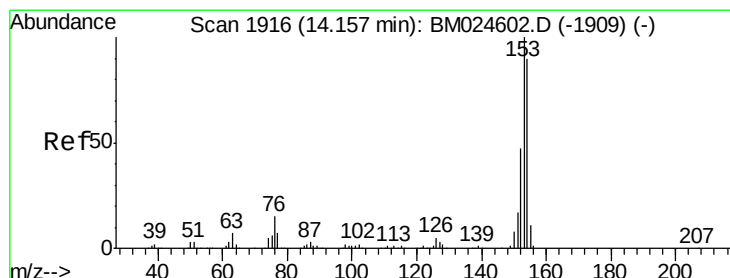
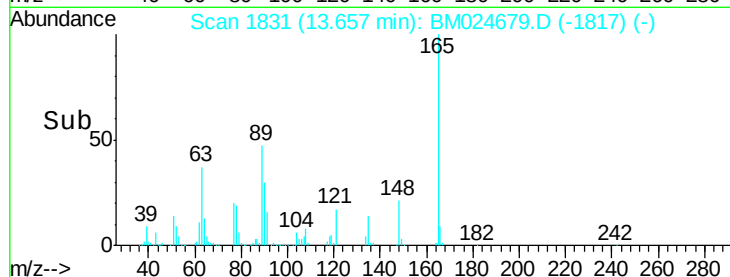
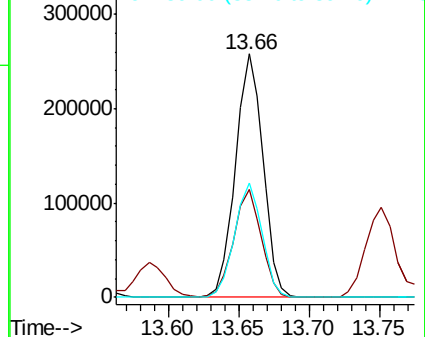
Manual Integrations  
APPROVED

mohammad

2/3/2020 4:11:07 PM



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM0  
Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 38.962 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM024679.D

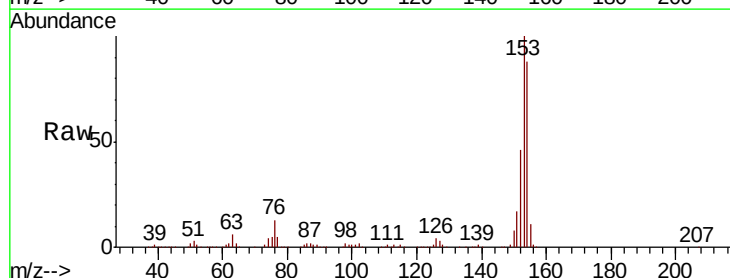
Acq: 31 Jan 2020 17:23

Tgt Ion:154 Resp: 1095639  
Ion Ratio Lower Upper

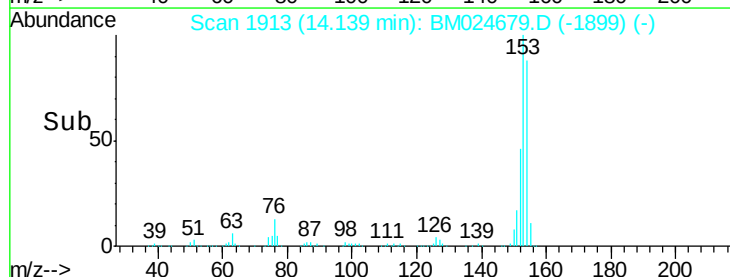
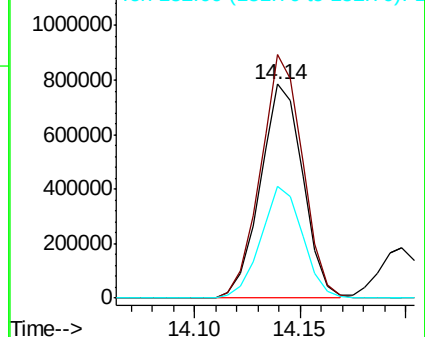
154 100

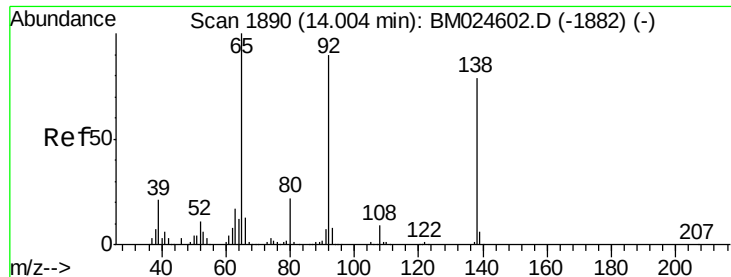
153 113.7 89.1 133.7

152 52.5 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





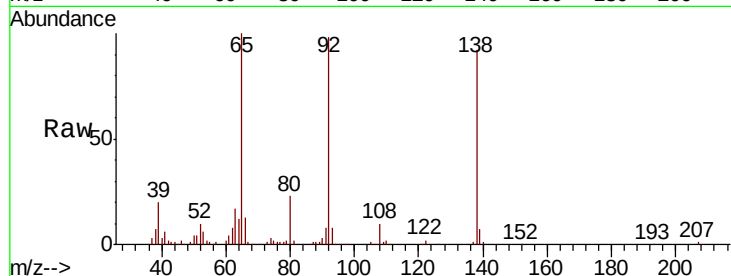
#53  
3-Nitroaniline  
Concen: 25.920 ng  
RT: 13.99 min Scan# 1887  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

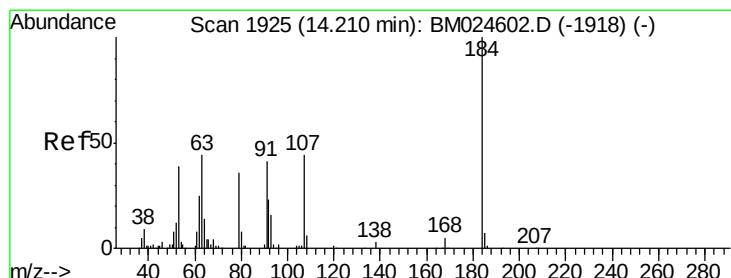
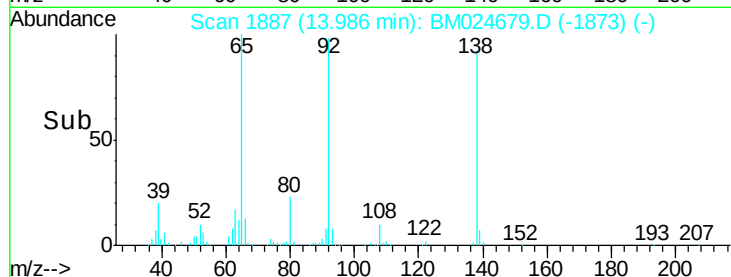
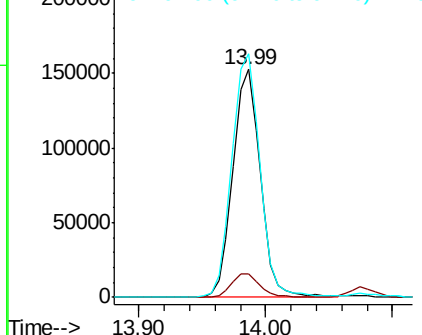
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 8.7   | 13.1  |
| 92      | 106.8 | 91.0  | 136.4 |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

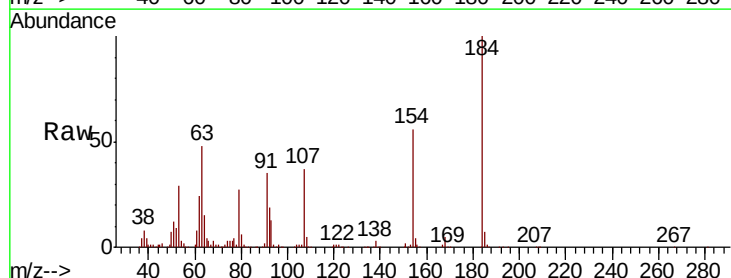


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BM

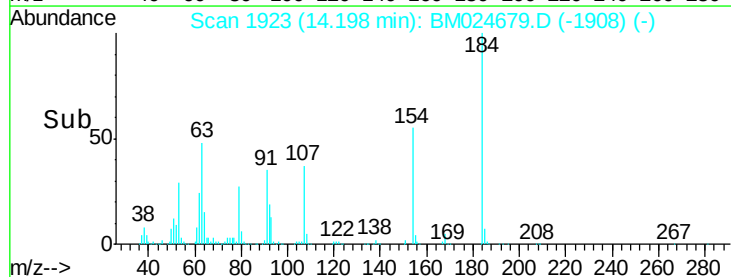
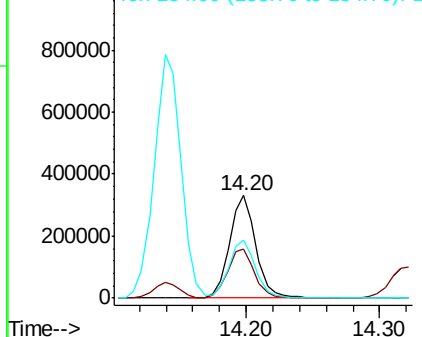


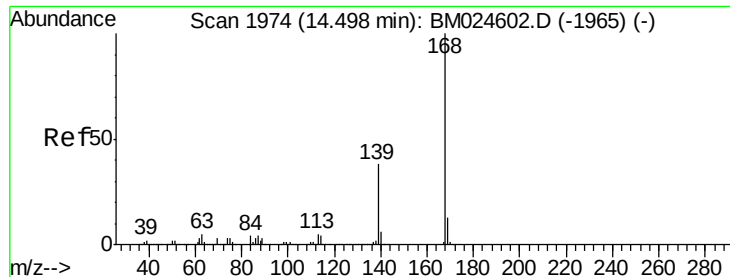
#54  
2,4-Dinitrophenol  
Concen: 89.535 ng  
RT: 14.20 min Scan# 1923  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 48.1  | 51.8  | 77.8# |
| 154     | 56.2  | 50.2  | 75.4  |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 154.00 (153.70 to 154.70): E





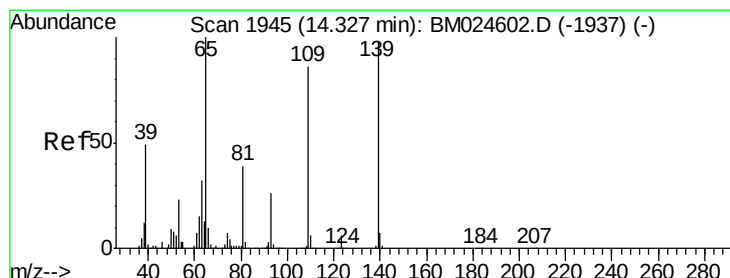
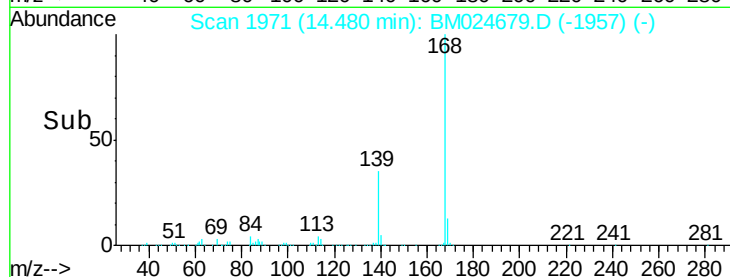
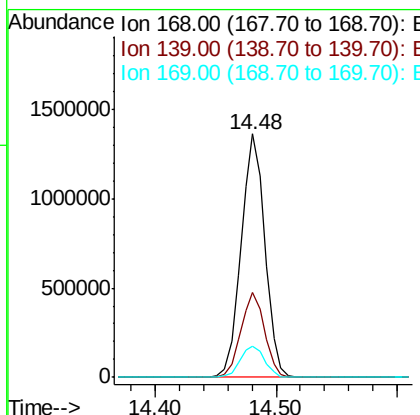
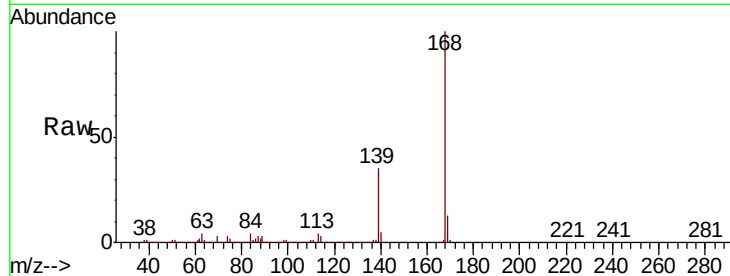
#55  
Dibenzofuran  
Concen: 40.921 ng  
RT: 14.48 min Scan# 1971  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 35.1  | 30.2  | 45.4  |
| 169     | 13.0  | 10.7  | 16.1  |

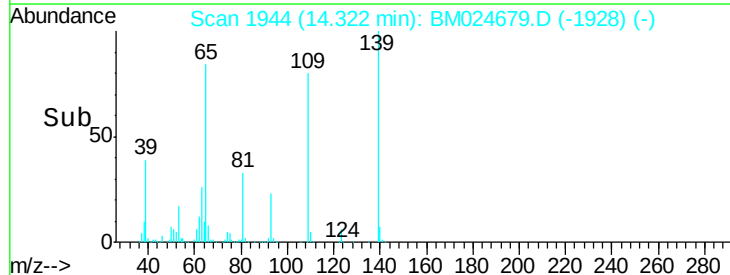
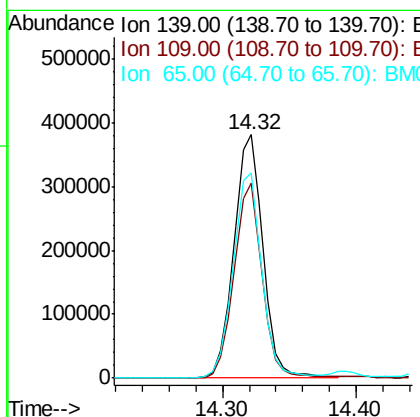
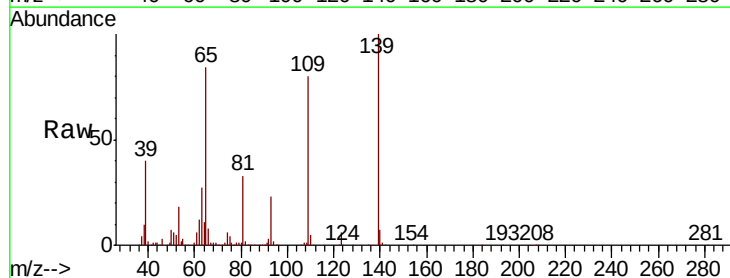
Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

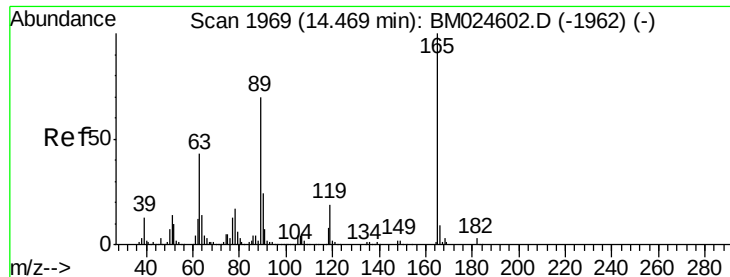


#56  
4-Nitrophenol  
Concen: 83.542 ng  
RT: 14.32 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 80.2  | 67.4  | 107.4 |
| 65      | 84.4  | 82.1  | 122.1 |







#57

2,4-Dinitrotoluene

Concen: 40.724 ng

RT: 14.46 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

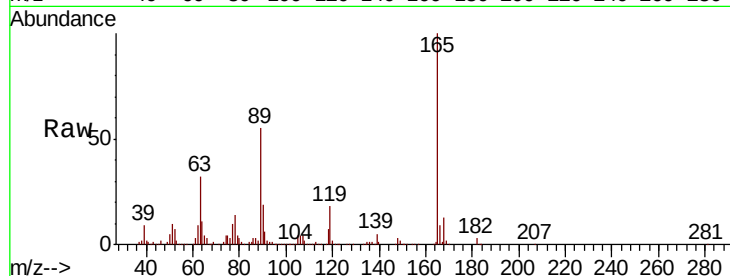
ClientSampleId :

PB126505BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 497179 |       |       |
| 63      | 32.2  |        | 34.5  | 51.7# |
| 89      | 54.7  |        | 55.8  | 83.8# |
| 182     | 3.1   |        | 2.3   | 3.5   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

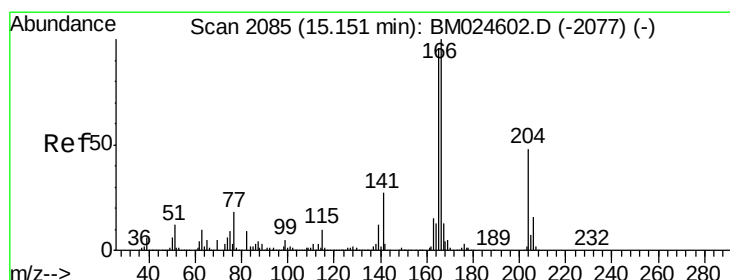
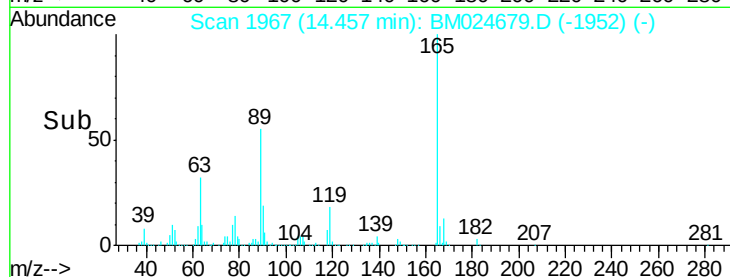
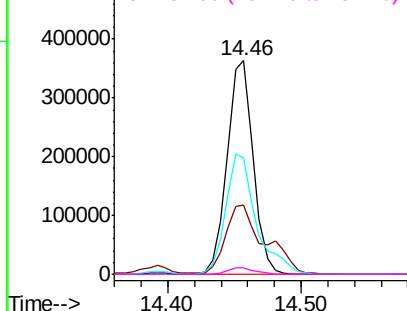


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 39.675 ng

RT: 15.13 min Scan# 2082

Delta R.T. -0.02 min

Lab File: BM024679.D

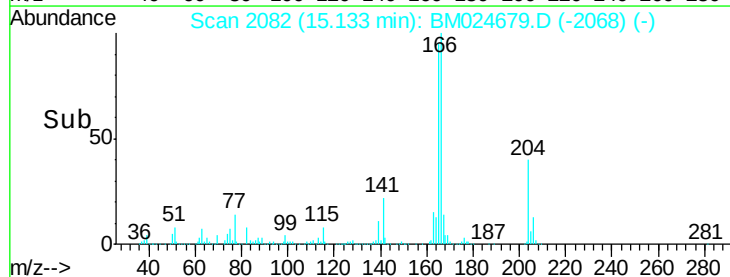
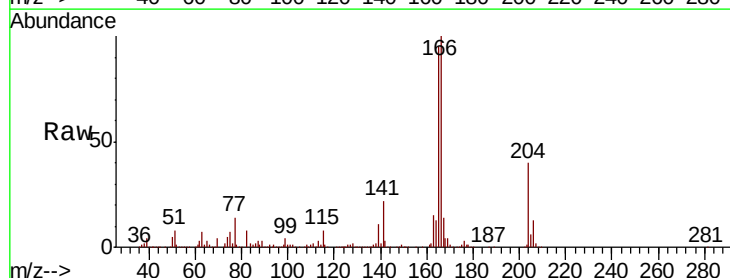
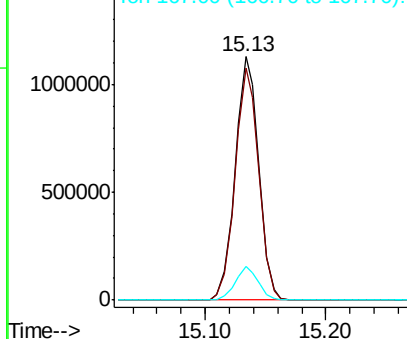
Acq: 31 Jan 2020 17:23

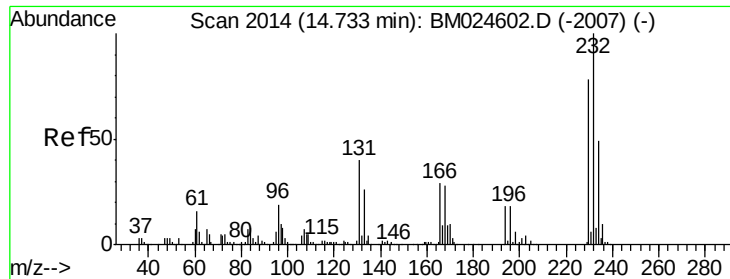
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1529097 |       |       |
| 165     | 95.1  |         | 76.6  | 114.8 |
| 167     | 13.6  |         | 10.8  | 16.2  |

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





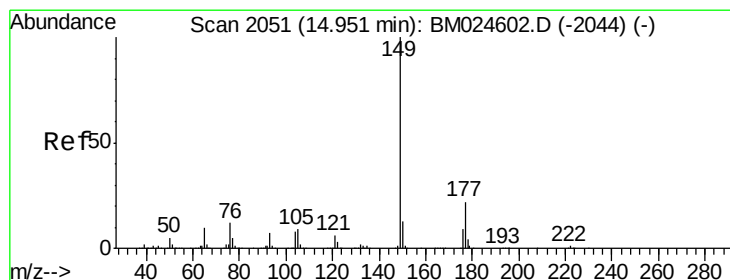
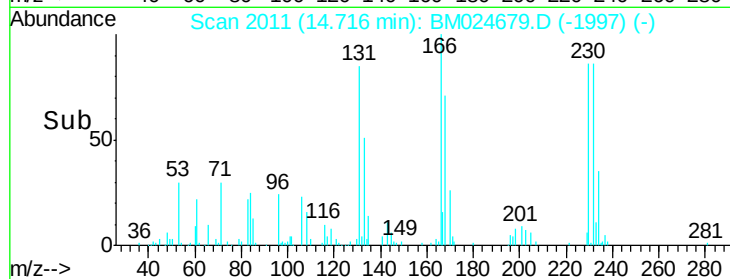
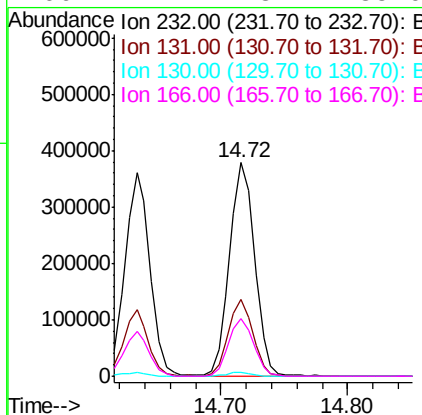
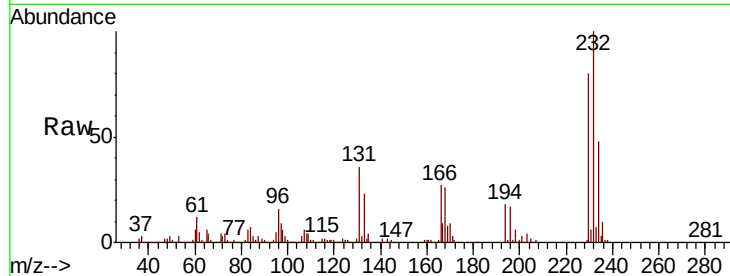
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.293 ng  
RT: 14.72 min Scan# 2011  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 232   | Resp: | 516237 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 35.1  | 32.2  | 48.4   |
| 130       | 2.0   | 1.9   | 2.9    |
| 166       | 27.1  | 23.4  | 35.0   |

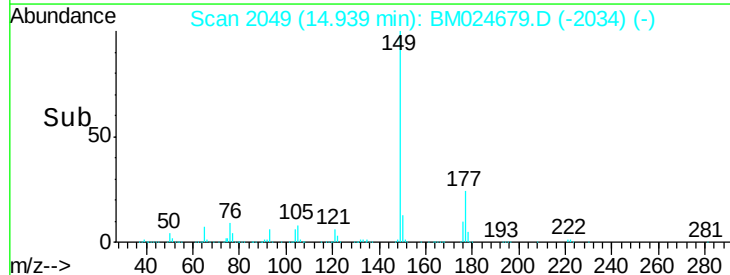
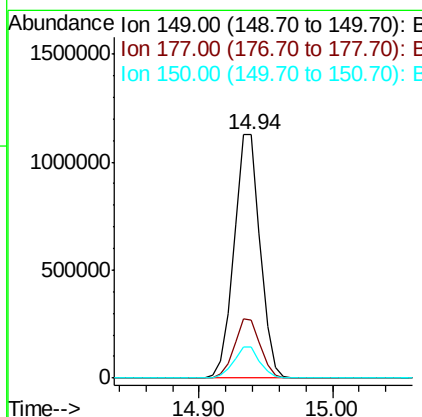
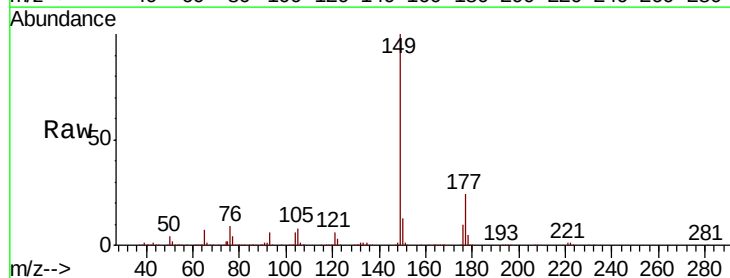
Manual Integrations  
APPROVED

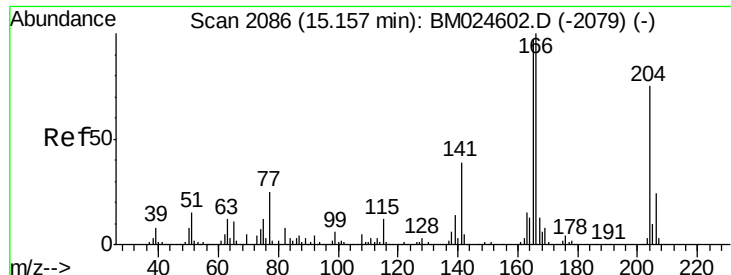
mohammad  
2/3/2020 4:11:07 PM



#60  
Diethylphthalate  
Concen: 37.559 ng  
RT: 14.94 min Scan# 2049  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1527800 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 23.8  | 18.0  | 27.0    |
| 150       | 12.6  | 10.2  | 15.4    |





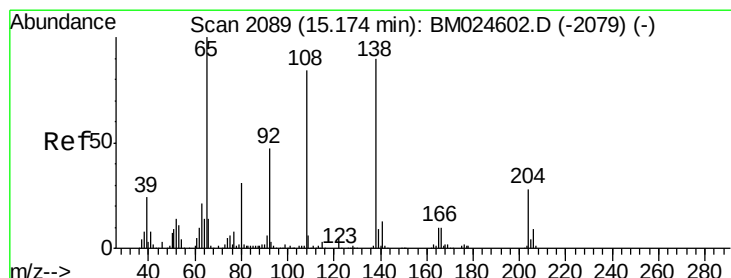
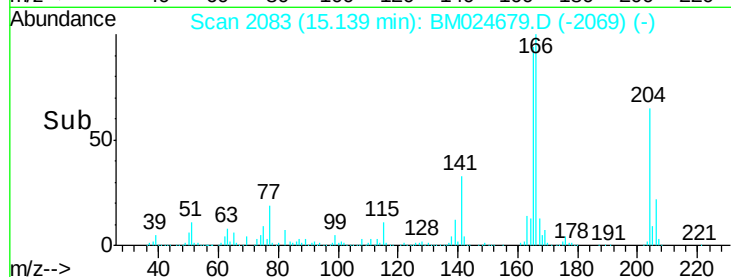
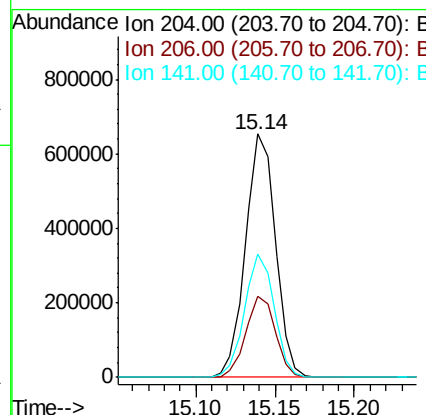
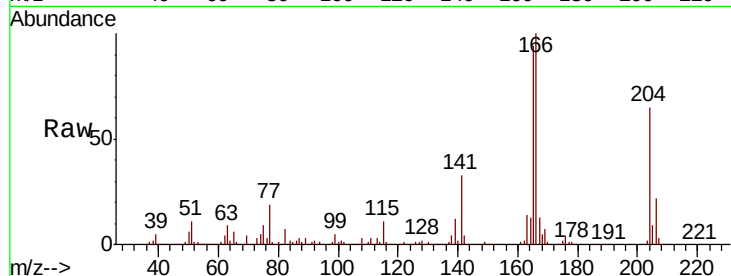
#61  
 4-Chlorophenyl-phenylether  
 Concen: 38.626 ng  
 RT: 15.14 min Scan# 2083  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.2  | 39.2  |
| 141     | 50.4  | 42.2  | 63.2  |

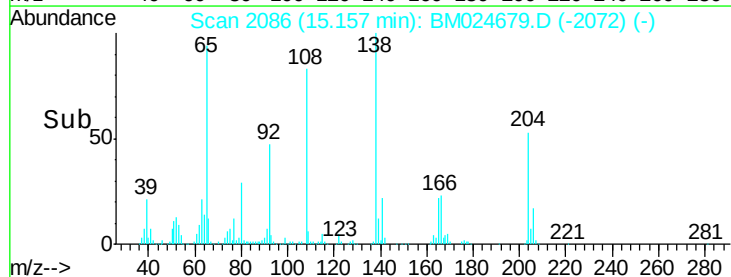
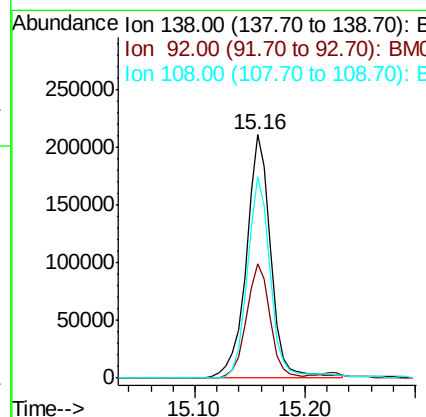
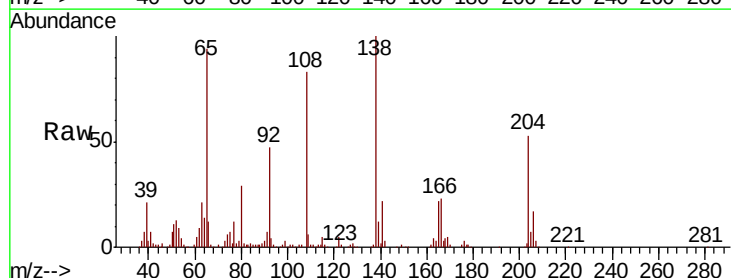
Manual Integrations  
 APPROVED

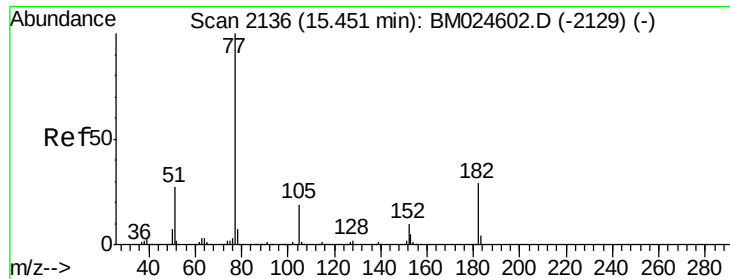
mohammad  
 2/3/2020 4:11:07 PM



#62  
 4-Nitroaniline  
 Concen: 33.829 ng  
 RT: 15.16 min Scan# 2086  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.8  | 32.4  | 72.4  |
| 108     | 82.9  | 73.3  | 113.3 |





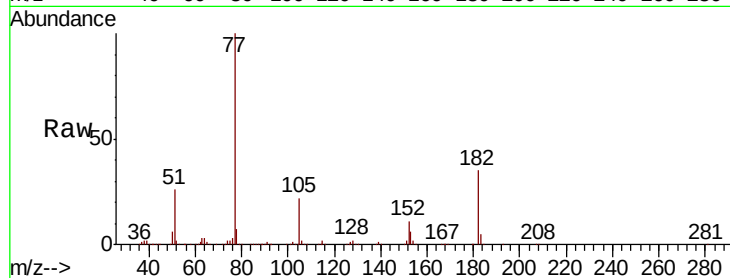
#63  
Azobenzene  
Concen: 32.964 ng  
RT: 15.43 min Scan# 2133  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.2  | 8.7   | 48.7  |
| 105     | 21.8  | 0.0   | 39.2  |
| 51      | 25.8  | 7.5   | 47.5  |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

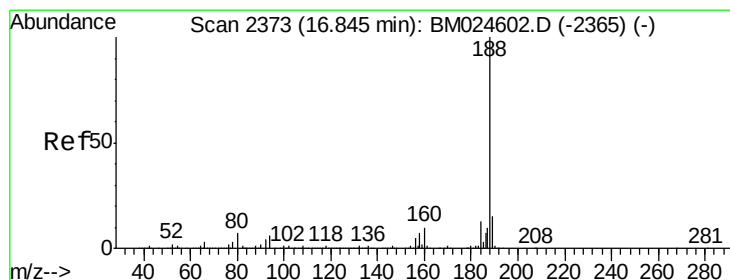
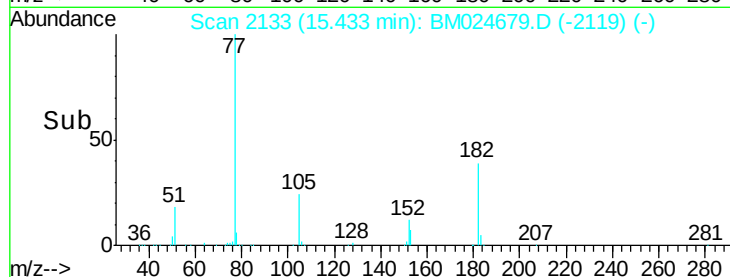
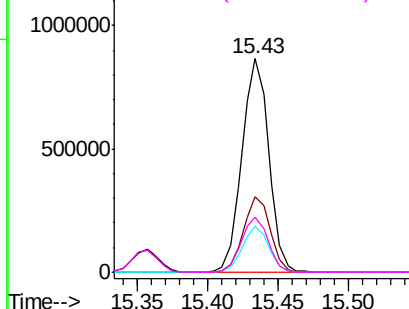


Abundance Ion 77.00 (76.70 to 77.70): BM024679.D (-2119) (-)

Ion 182.00 (181.70 to 182.70): BM024679.D (-2119) (-)

Ion 105.00 (104.70 to 105.70): BM024679.D (-2119) (-)

Ion 51.00 (50.70 to 51.70): BM024679.D (-2119) (-)



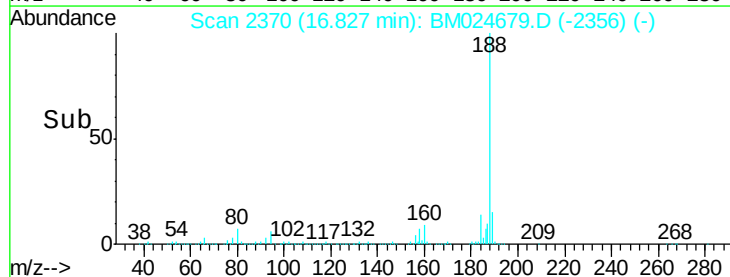
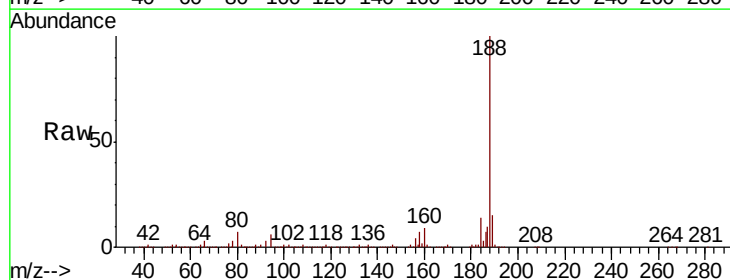
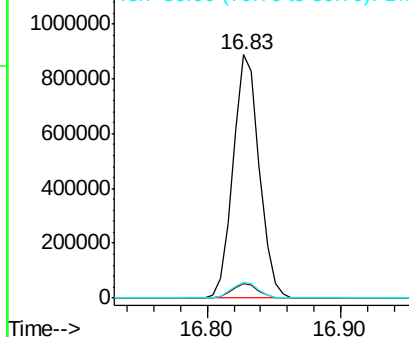
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.83 min Scan# 2370  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

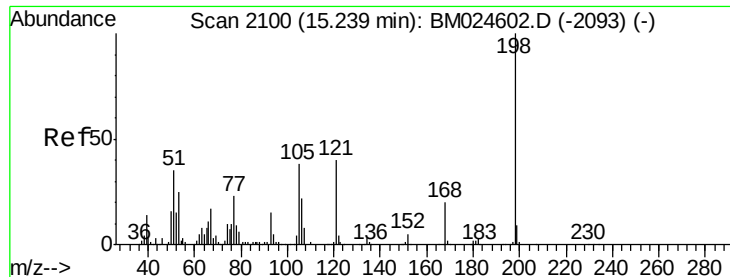
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.1   | 5.0   | 7.6   |
| 80      | 6.6   | 5.8   | 8.8   |

Abundance Ion 188.00 (187.70 to 188.70): BM024679.D (-2356) (-)

Ion 94.00 (93.70 to 94.70): BM024679.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024679.D (-2356) (-)





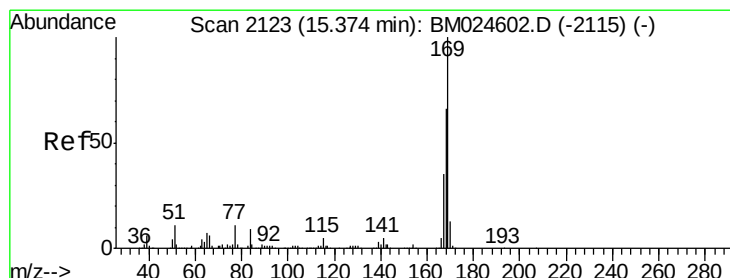
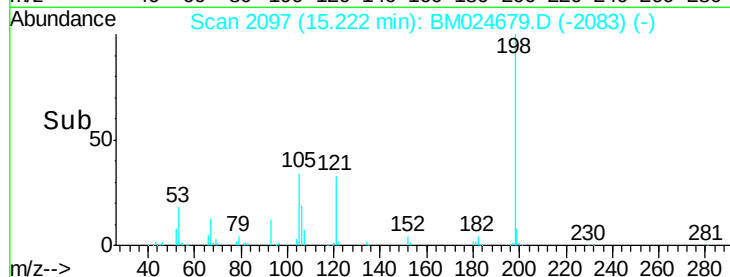
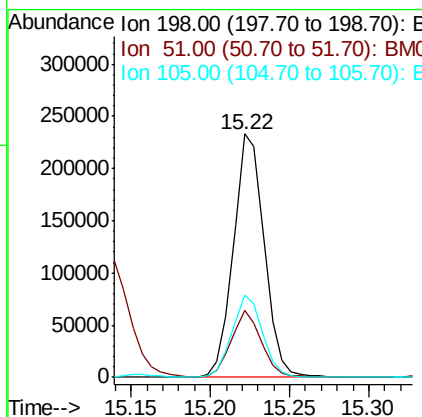
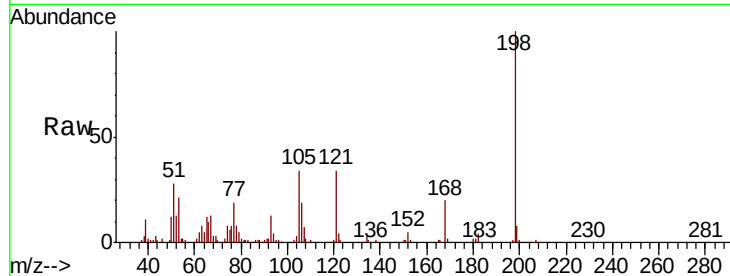
#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.913 ng  
RT: 15.22 min Scan# 2097  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 313542 |       |       |
| 51      | 27.6  | 15.8   | 55.8  |       |
| 105     | 33.9  | 18.5   | 58.5  |       |

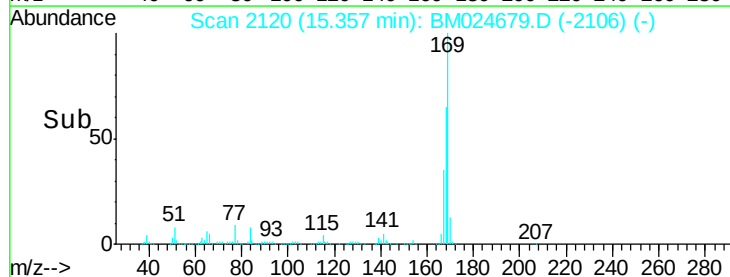
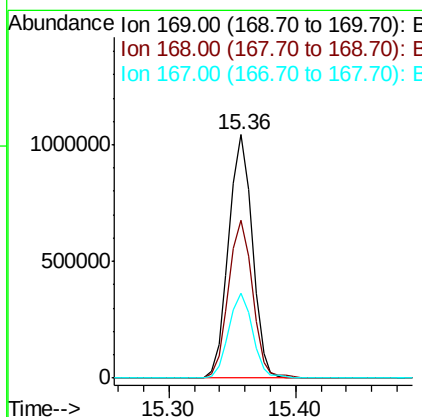
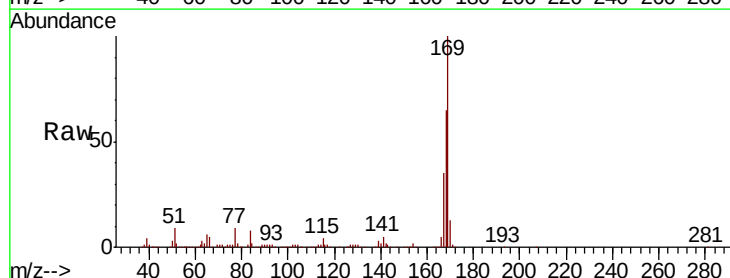
Manual Integrations  
APPROVED

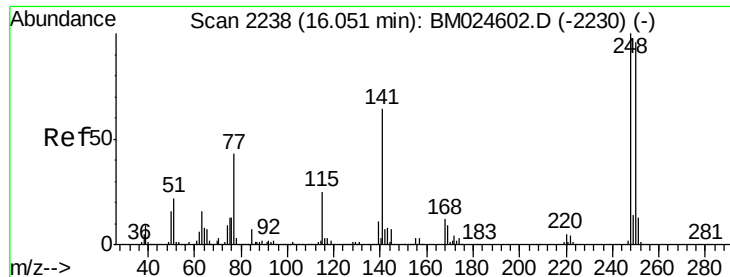
mohammad  
2/3/2020 4:11:07 PM



#66  
n-Nitrosodiphenylamine  
Concen: 38.644 ng  
RT: 15.36 min Scan# 2120  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1347985 |       |       |
| 168     | 64.6  | 52.8    | 79.2  |       |
| 167     | 35.0  | 28.2    | 42.2  |       |





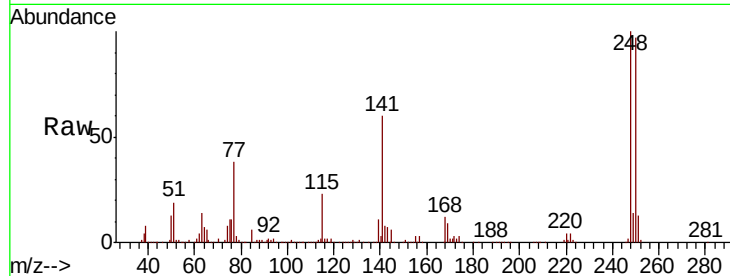
#67  
4-Bromophenyl-phenylether  
Concen: 38.297 ng  
RT: 16.03 min Scan# 2235  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.3  | 77.0  | 115.6 |
| 141     | 59.7  | 50.9  | 76.3  |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

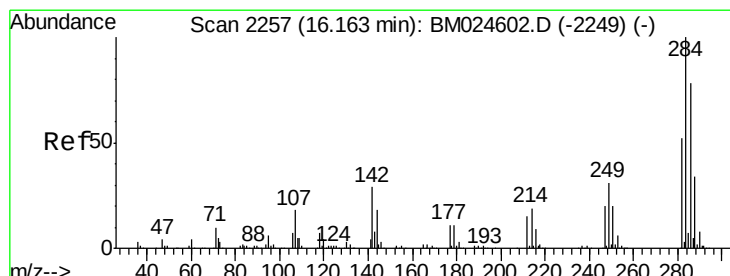
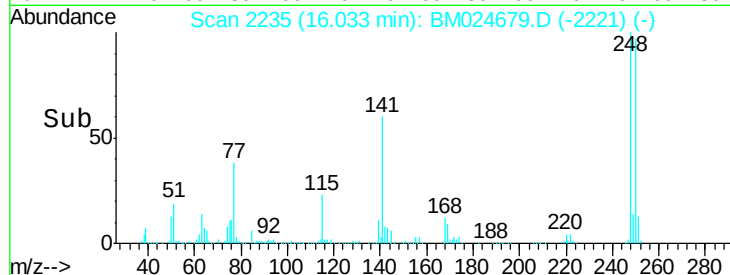
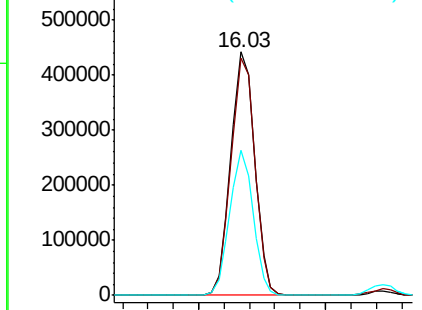


Abundance

Ion 248.00 (247.70 to 248.70): E

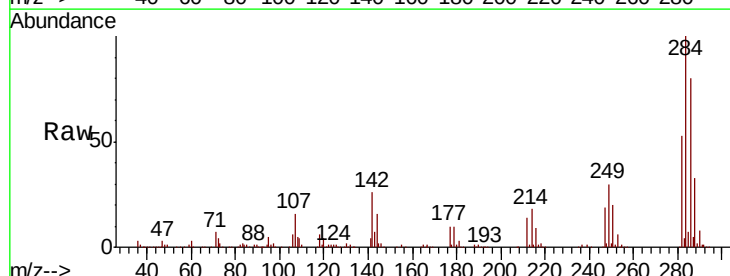
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 38.651 ng  
RT: 16.15 min Scan# 2254  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 25.9  | 23.5  | 35.3  |
| 249     | 30.3  | 24.6  | 36.8  |

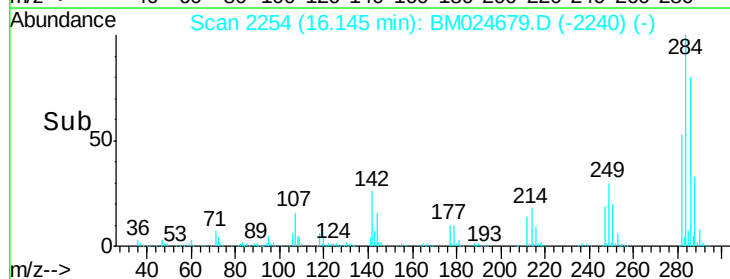
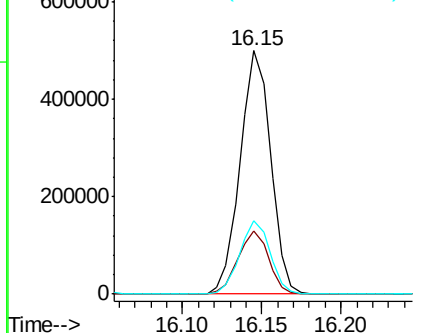


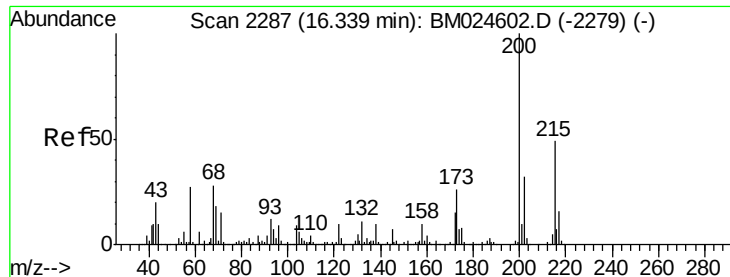
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 28.665 ng

RT: 16.32 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

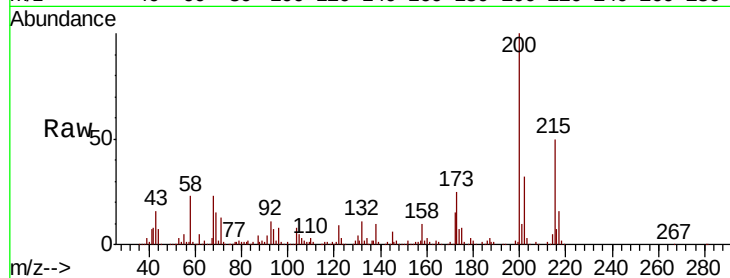
ClientSampled :

PB126505BS

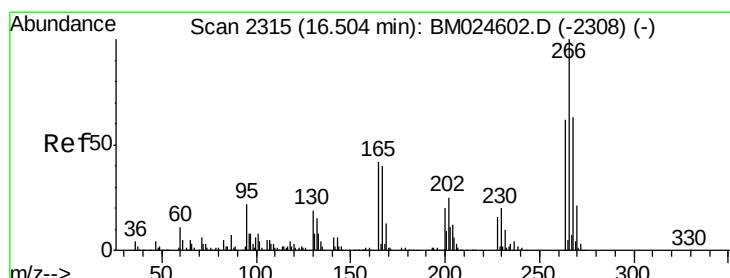
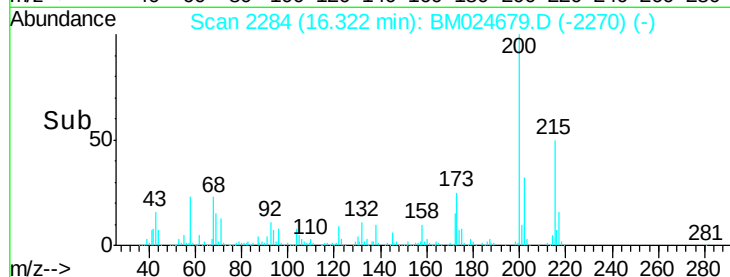
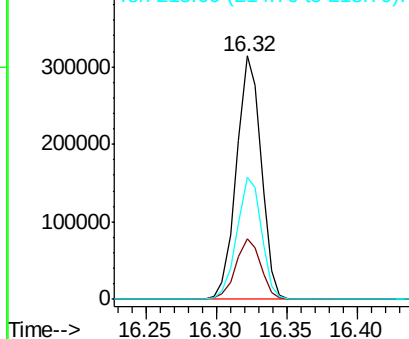
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 383816 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 24.9  | 5.5   | 45.5   |
| 215       | 50.4  | 29.4  | 69.4   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



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: 126.588 ng

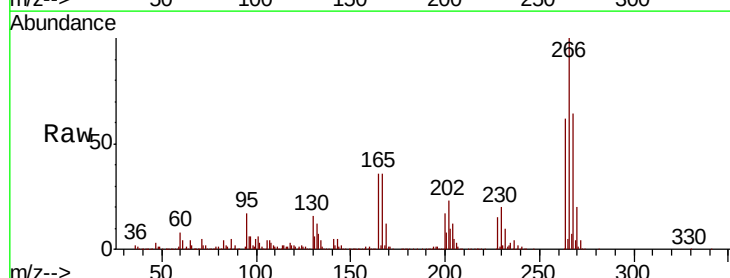
RT: 16.49 min Scan# 2313

Delta R.T. -0.01 min

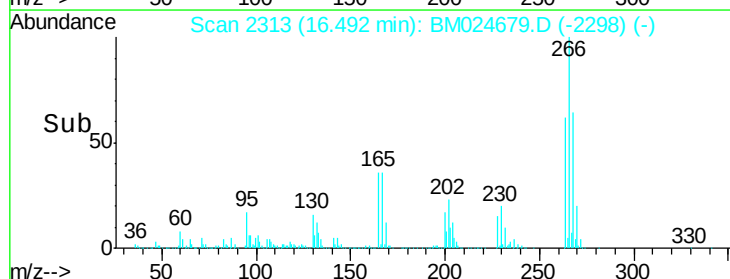
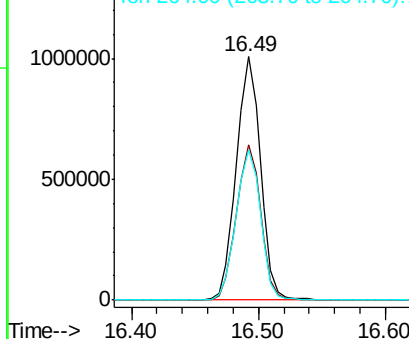
Lab File: BM024679.D

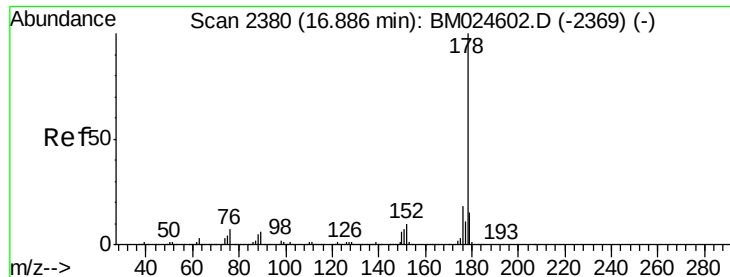
Acq: 31 Jan 2020 17:23

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 266   | Resp: | 1336237 |
| Ion Ratio | Lower | Upper |         |
| 266       | 100   |       |         |
| 268       | 64.0  | 50.4  | 75.6    |
| 264       | 61.9  | 49.9  | 74.9    |



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





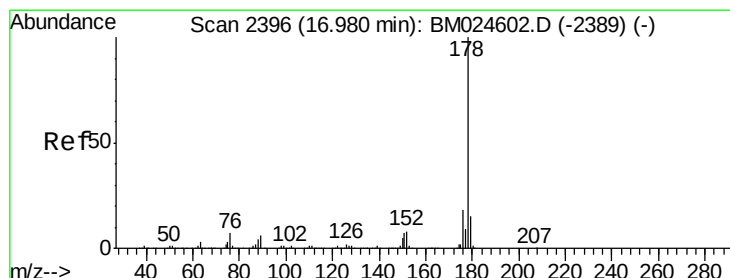
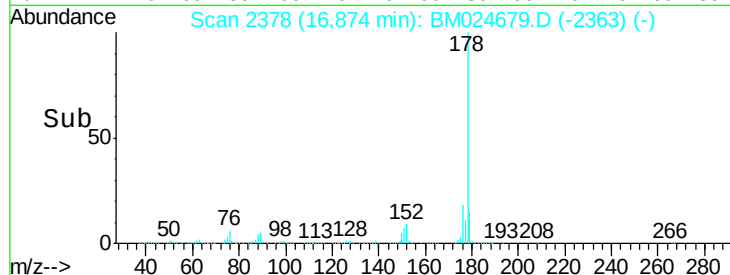
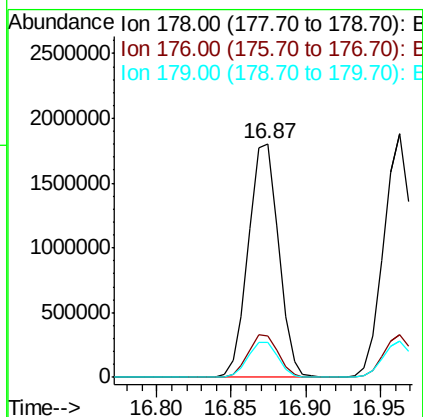
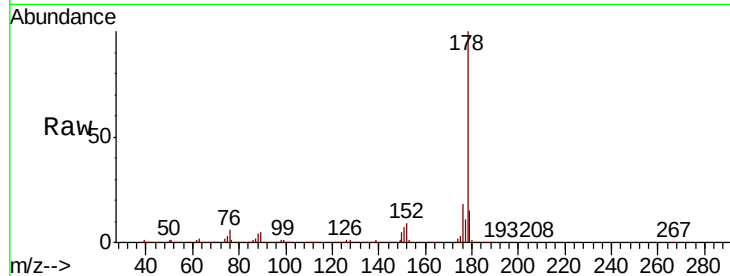
#71  
Phenanthrene  
Concen: 38.425 ng  
RT: 16.87 min Scan# 2378  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.9  | 14.5  | 21.7  |
| 179     | 15.2  | 11.9  | 17.9  |

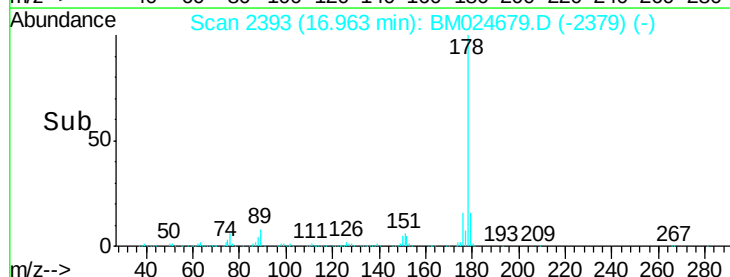
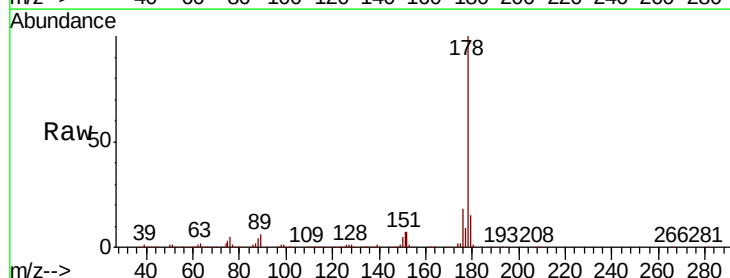
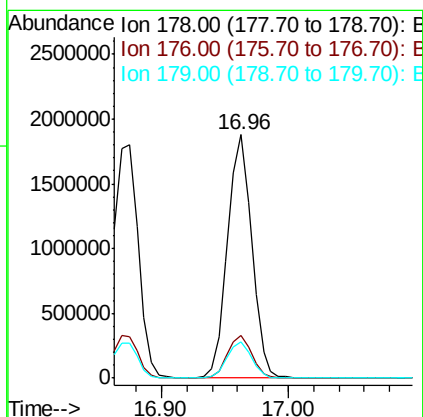
Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

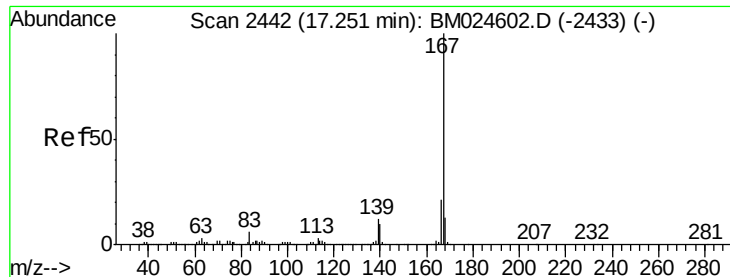


#72  
Anthracene  
Concen: 38.630 ng  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.6  | 14.3  | 21.5  |
| 179     | 15.1  | 12.1  | 18.1  |







#73  
 Carbazole  
 Concen: 38.533 ng  
 RT: 17.23 min Scan# 2439  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

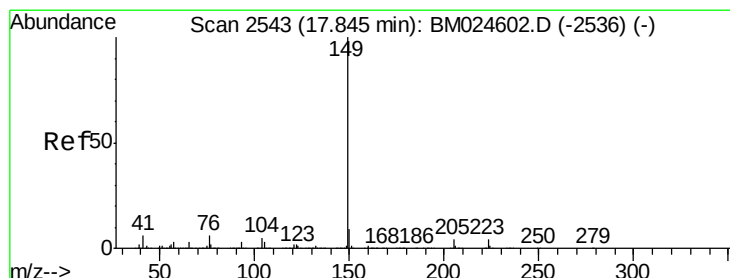
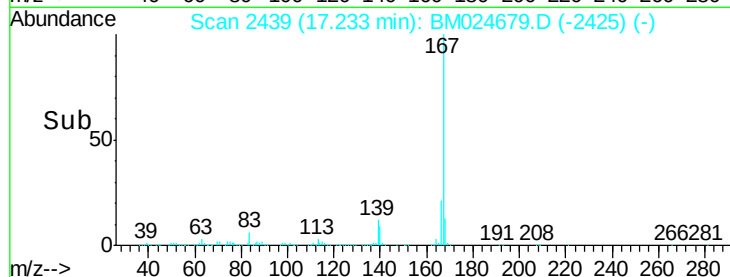
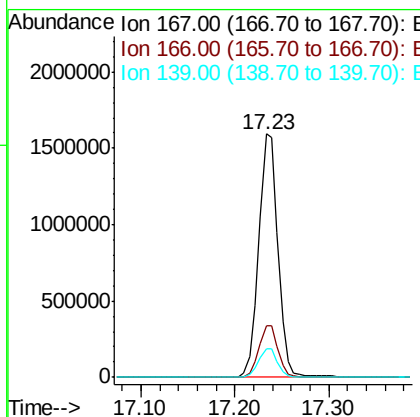
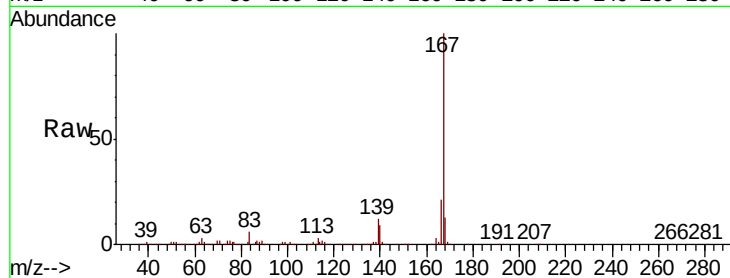
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

Tot Ion:167 Resp: 2257071  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 20.9  | 17.1  | 25.7  |
| 139 | 11.6  | 9.8   | 14.8  |

Manual Integrations  
 APPROVED

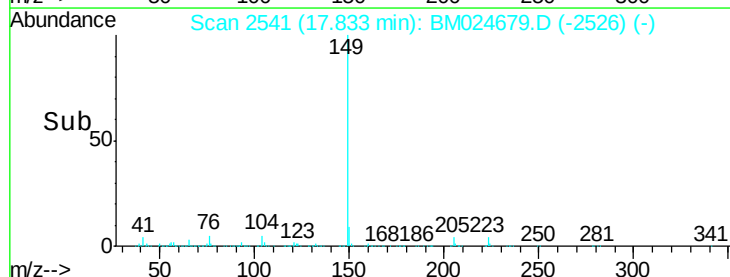
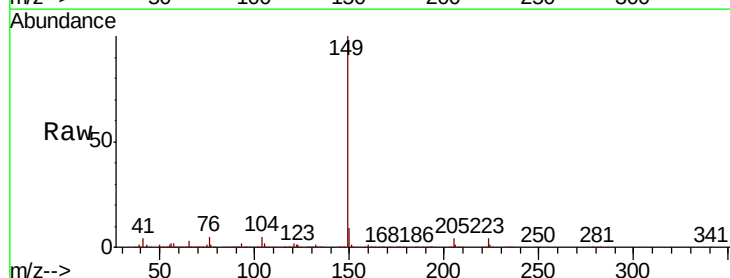
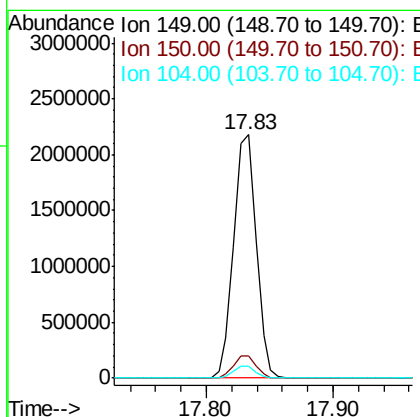
mohammad  
 2/3/2020 4:11:07 PM

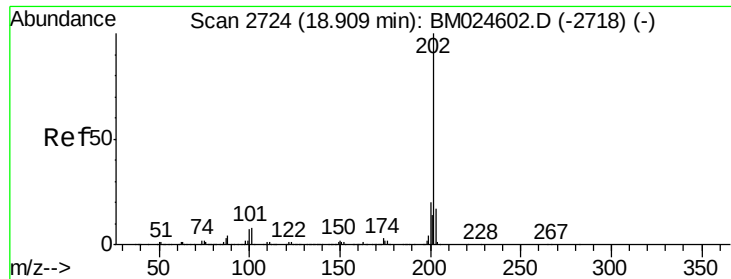


#74  
 Di-n-butylphthalate  
 Concen: 35.680 ng  
 RT: 17.83 min Scan# 2541  
 Delta R.T. -0.01 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Tgt Ion:149 Resp: 2671790  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.0   | 7.4   | 11.0  |
| 104 | 4.7   | 4.3   | 6.5   |





#75

Fluoranthene

Concen: 38.851 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

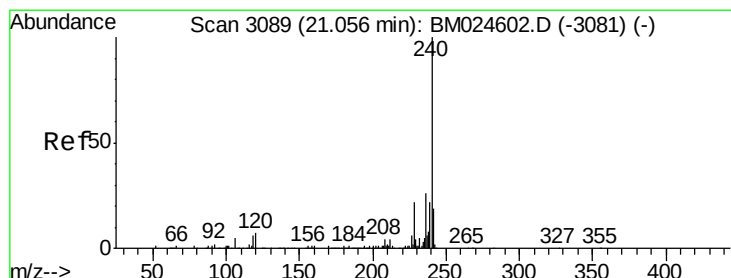
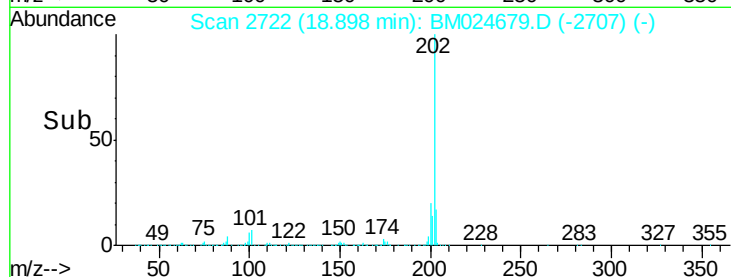
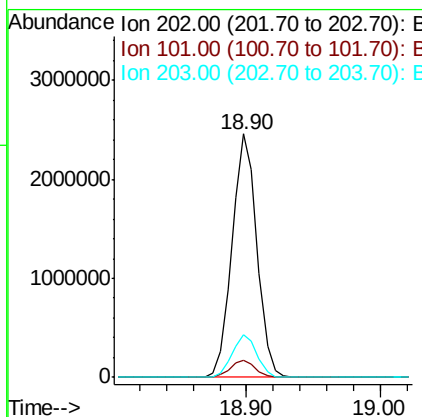
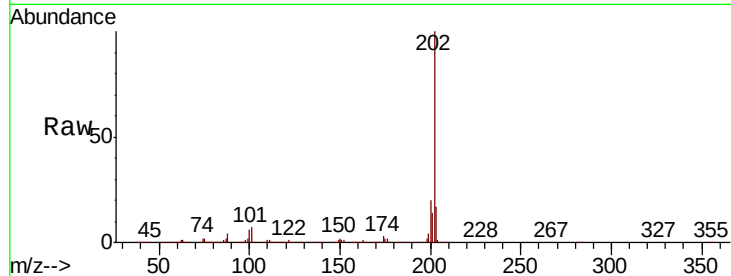
ClientSampleId :

PB126505BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 3188656 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 7.2   | 0.0   | 28.4    |
| 203      | 17.3  | 0.0   | 37.5    |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#76

Chrysene-d12

Concen: 20.000 ng

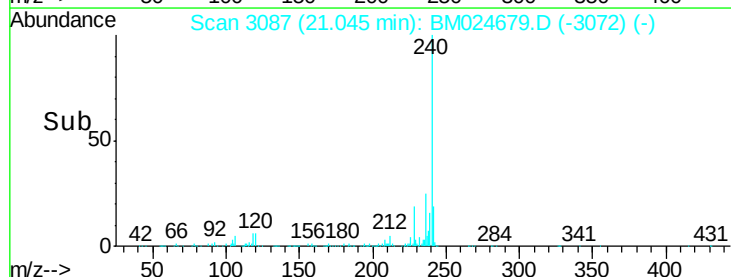
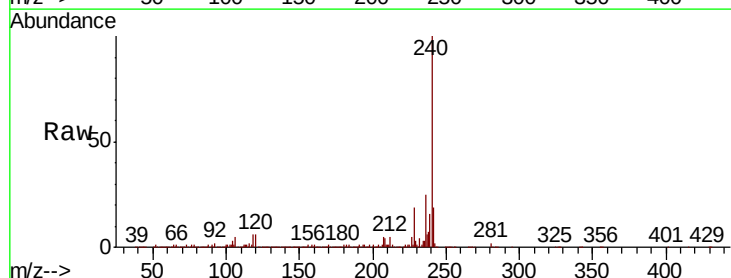
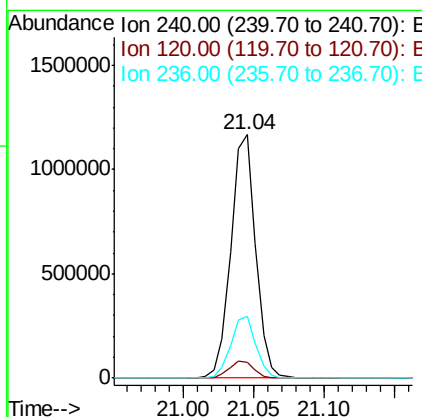
RT: 21.04 min Scan# 3087

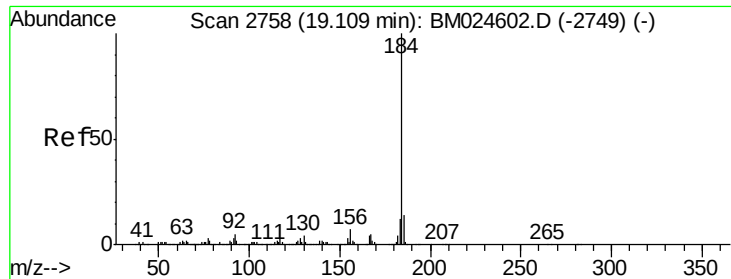
Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 240   | Resp: | 1427362 |
| Ion      | Ratio | Lower | Upper   |
| 240      | 100   |       |         |
| 120      | 6.3   | 5.3   | 7.9     |
| 236      | 25.2  | 20.6  | 31.0    |





#77

Benzidine

Concen: 17.066 ng

RT: 19.09 min Scan# 2755

Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

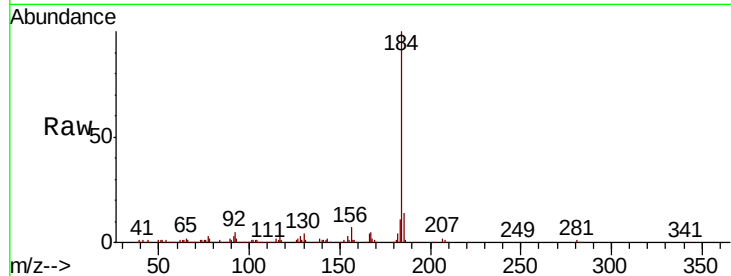
ClientSampleId :

PB126505BS

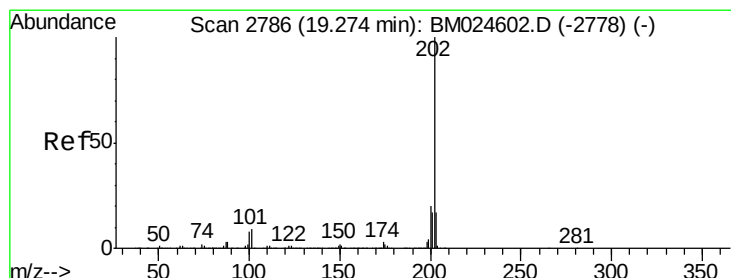
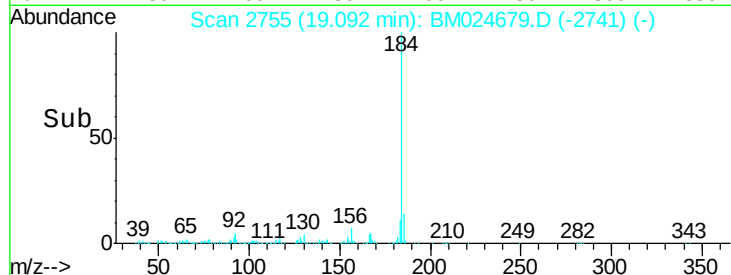
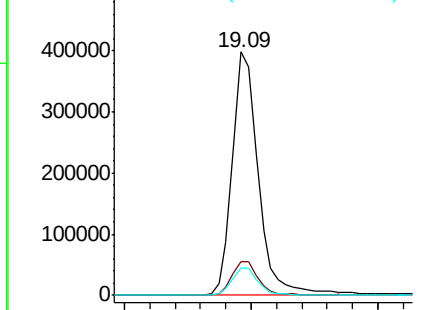
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 567304 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.9  | 11.3  | 16.9   |
| 183       | 11.4  | 9.6   | 14.4   |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



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



#78

Pyrene

Concen: 35.009 ng

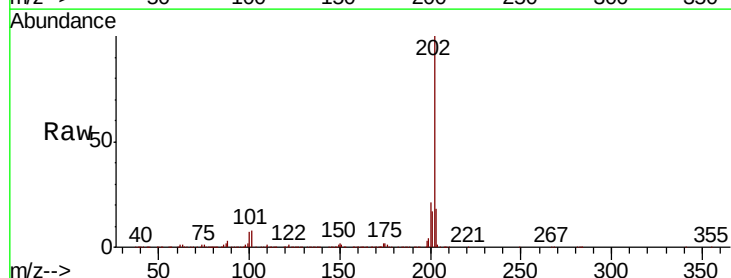
RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

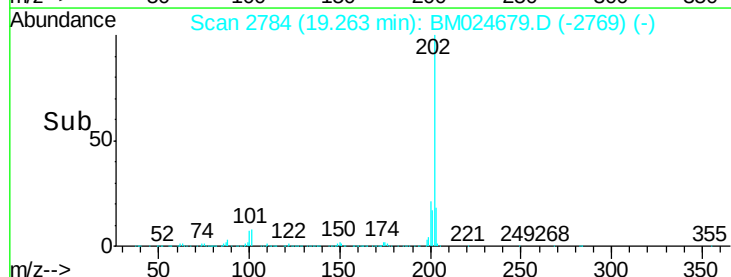
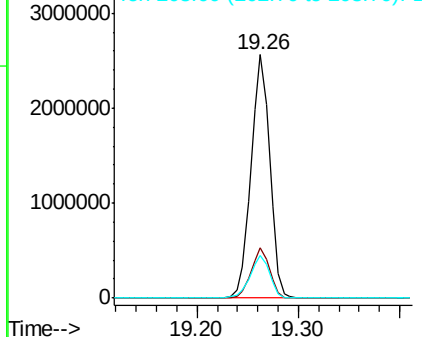
Lab File: BM024679.D

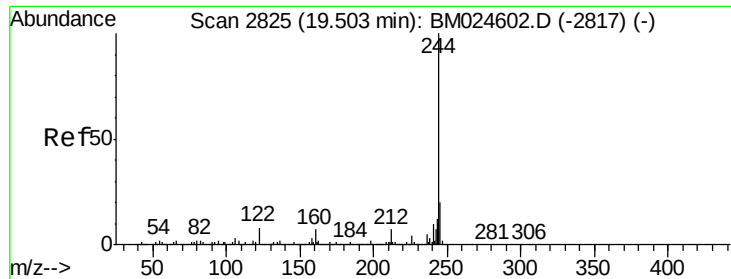
Acq: 31 Jan 2020 17:23

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 3294265 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.5  | 16.2  | 24.2    |
| 203       | 17.5  | 14.0  | 21.0    |



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





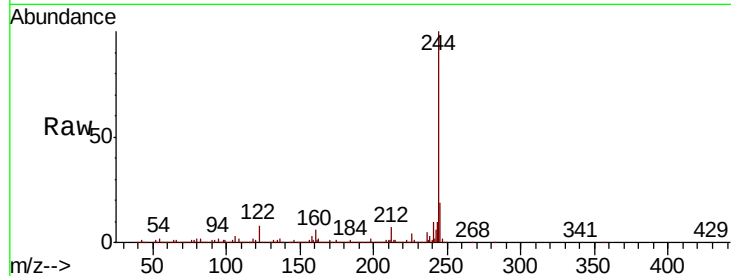
#79  
 Terphenyl-d14  
 Concen: 71.279 ng  
 RT: 19.49 min Scan# 2822  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.2   |
| 122     | 7.5   | 6.2   | 9.4   |

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 4:11:07 PM

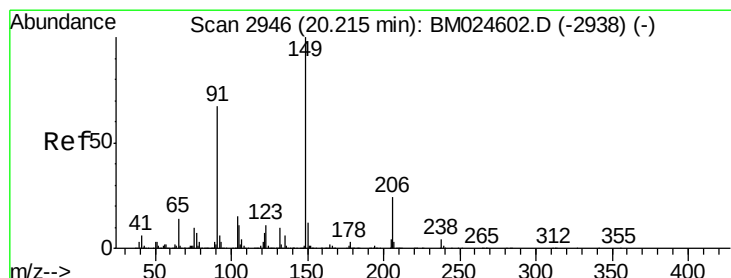
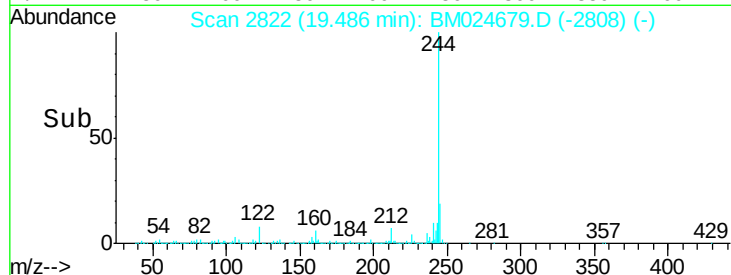
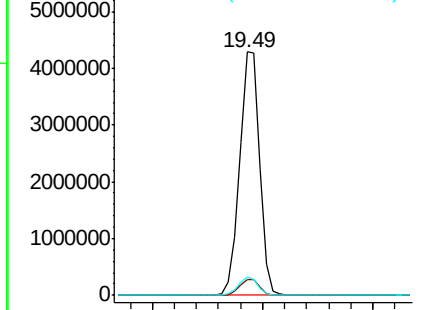


Abundance

Ion 244.00 (243.70 to 244.70): E

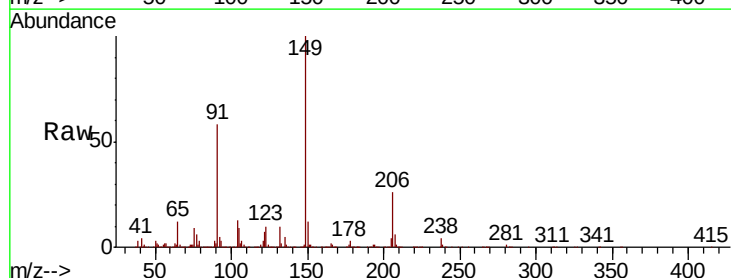
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80  
 Butylbenzylphthalate  
 Concen: 32.011 ng  
 RT: 20.20 min Scan# 2944  
 Delta R.T. -0.01 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 58.2  | 53.9  | 80.9  |
| 206     | 26.0  | 19.0  | 28.6  |

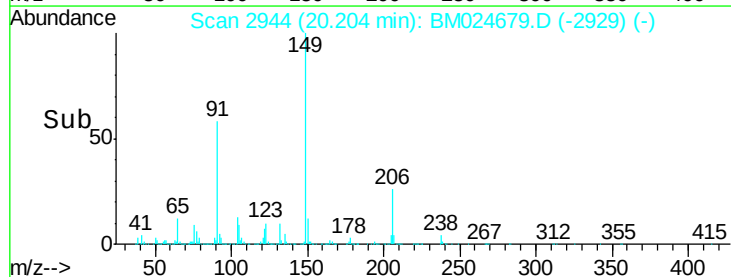
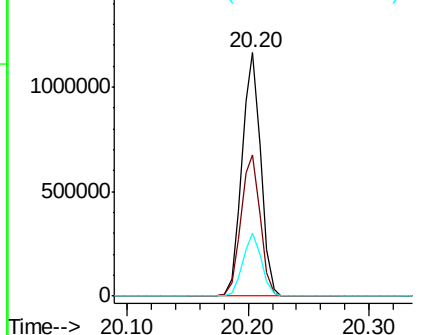


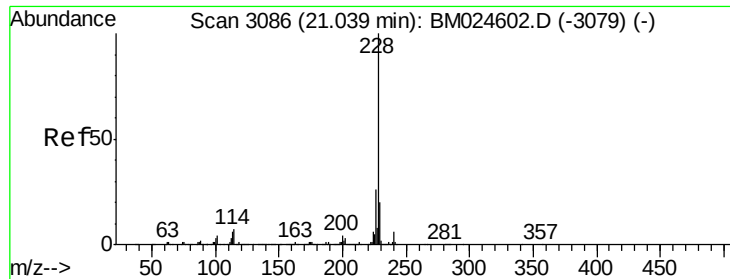
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 34.142 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

ClientSampleId :

PB126505BS

Tot Ion:228 Resp: 3382371

Ion Ratio Lower Upper

228 100

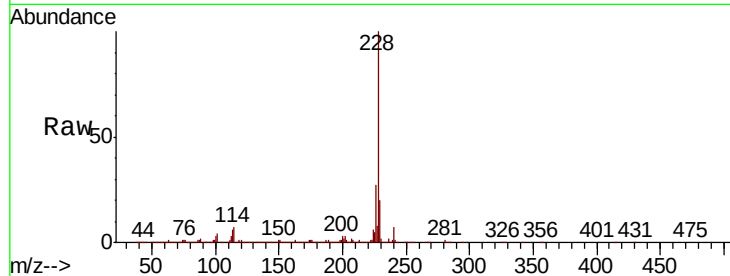
226 26.7 21.1 31.7

229 19.9 15.8 23.6

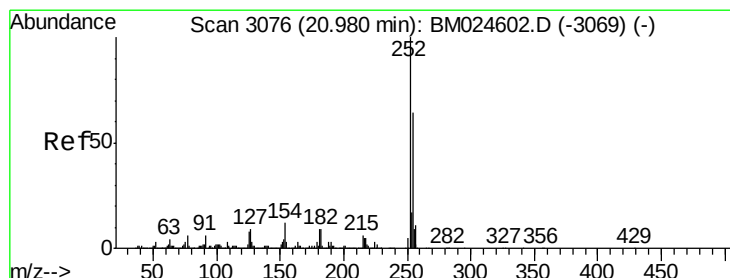
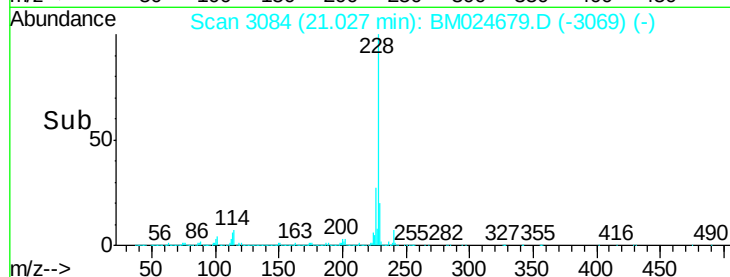
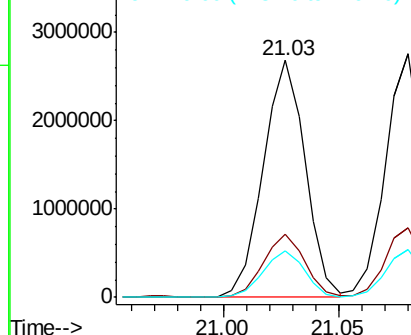
Manual Integrations  
APPROVED

mohammad

2/3/2020 4:11:07 PM



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



#82

3,3'-Dichlorobenzidine

Concen: 29.360 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

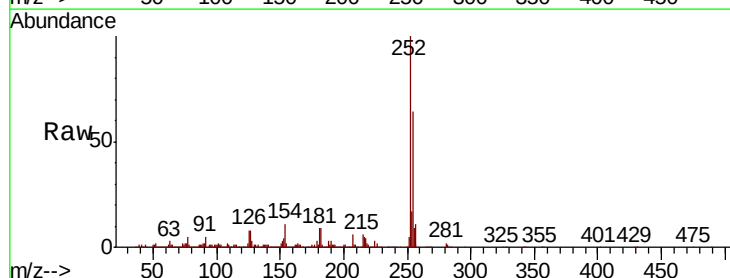
Tgt Ion:252 Resp: 1046308

Ion Ratio Lower Upper

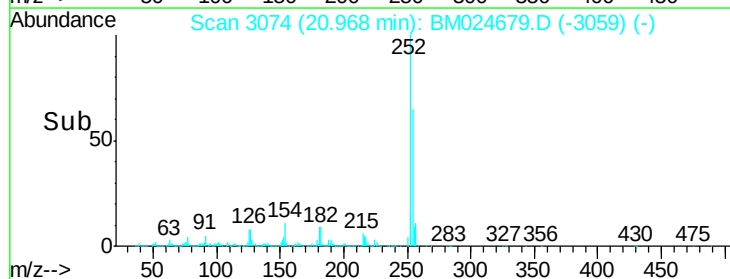
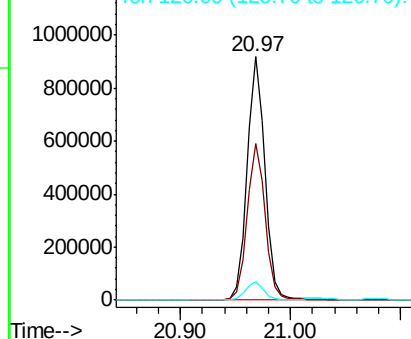
252 100

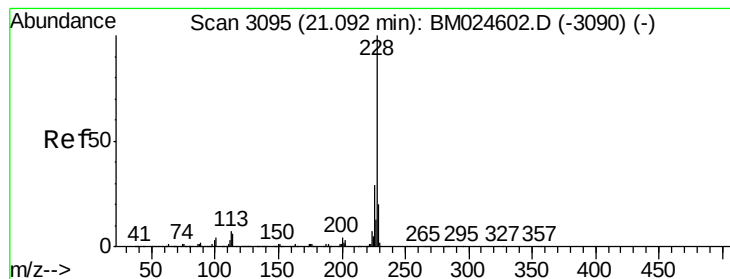
254 64.5 51.5 77.3

126 7.6 6.7 10.1



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





#83

Chrysene

Concen: 33.942 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

ClientSampleId :

PB126505BS

Tot Ion:228 Resp: 3208524

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.8  | 23.2  | 34.8  |
| 229 | 19.4  | 15.7  | 23.5  |

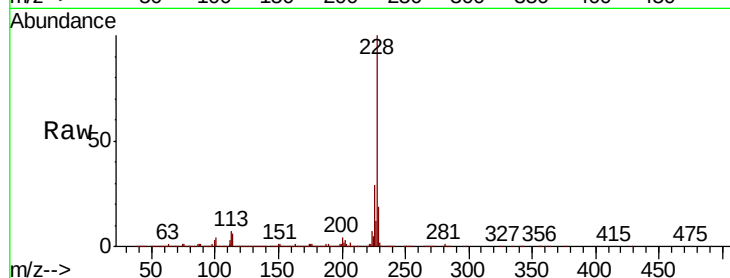
228 100

226 28.8 23.2 34.8

229 19.4 15.7 23.5

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

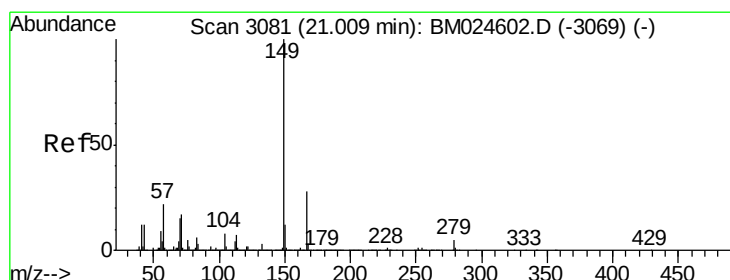
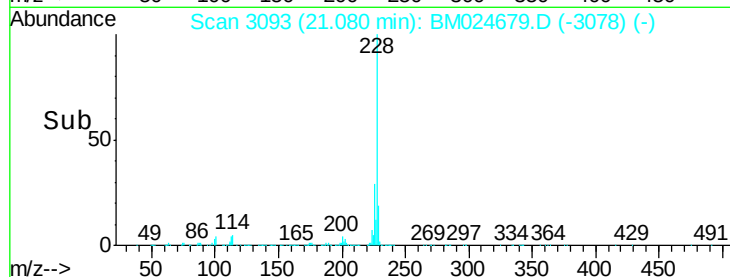
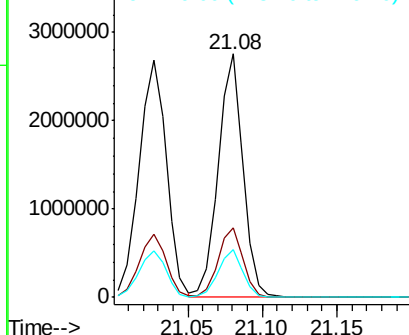


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.029 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

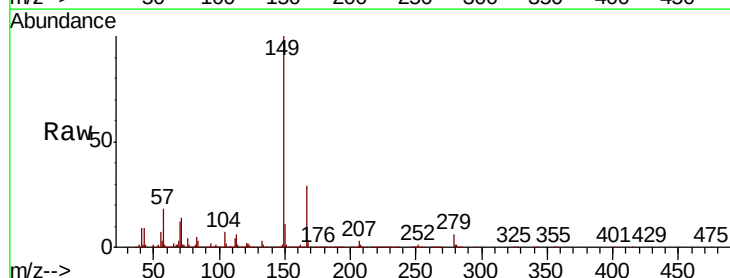
Tgt Ion:149 Resp: 1807754

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.2  | 22.5  | 33.7  |
| 279 | 5.7   | 4.0   | 6.0   |

149 100

167 29.2 22.5 33.7

279 5.7 4.0 6.0

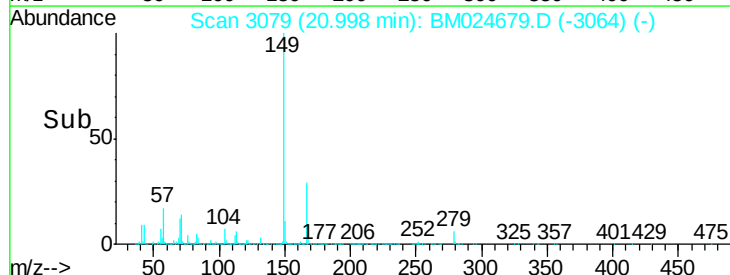
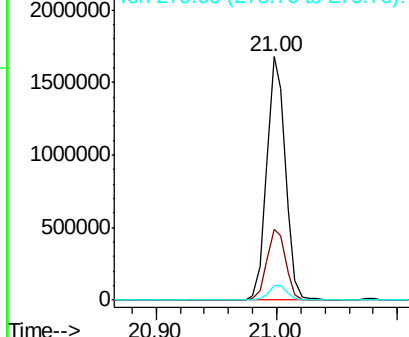


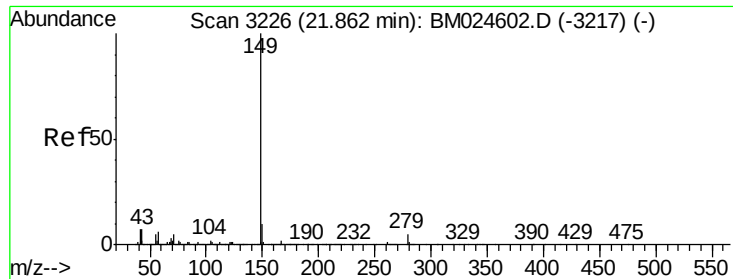
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 32.326 ng

RT: 21.85 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

Instrument :

BNA\_M

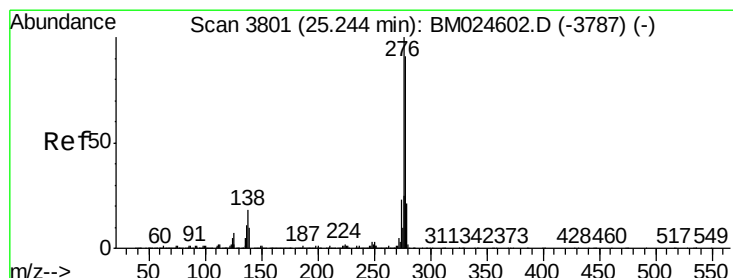
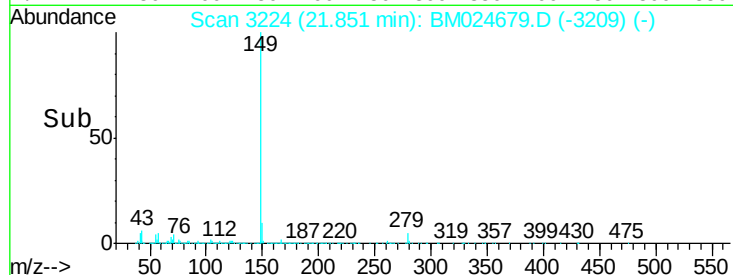
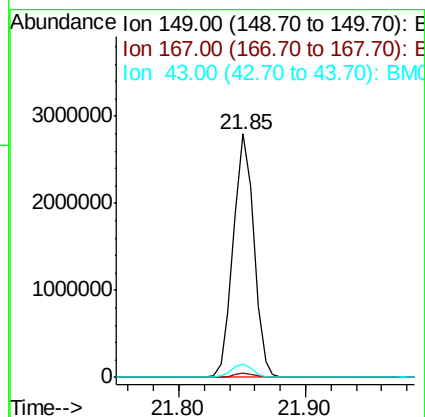
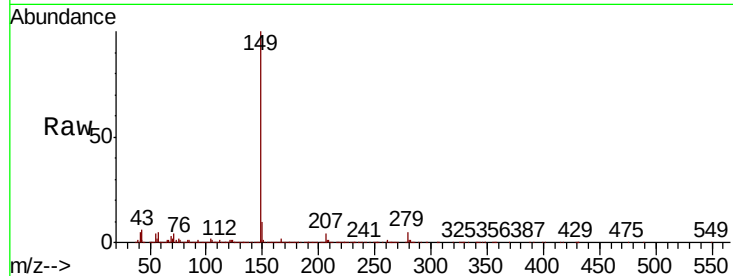
ClientSampleId :

PB126505BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 149   | Resp: | 3111458 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 1.7   | 1.3   | 1.9     |
| 43       | 5.6   | 5.8   | 8.6#    |

Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 37.596 ng

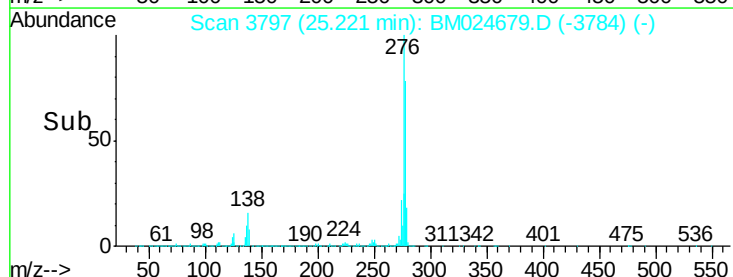
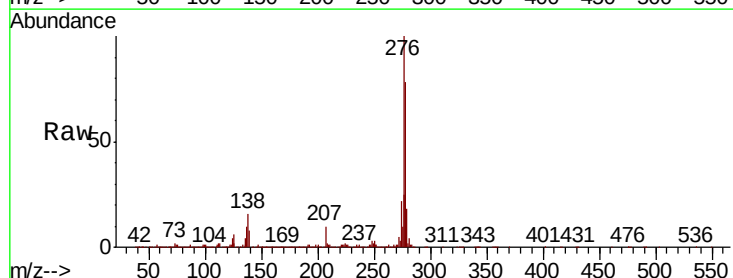
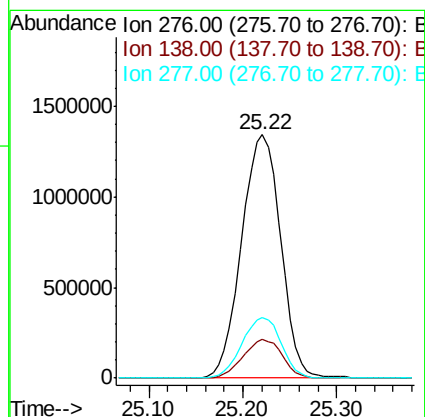
RT: 25.22 min Scan# 3797

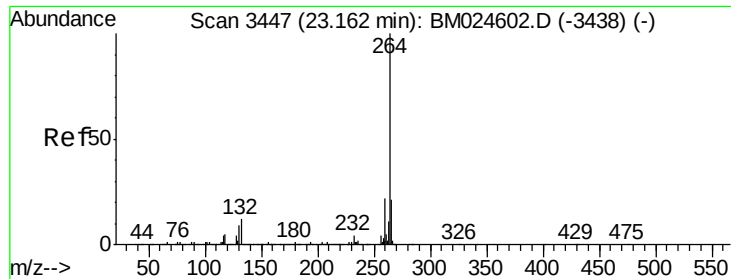
Delta R.T. -0.02 min

Lab File: BM024679.D

Acq: 31 Jan 2020 17:23

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 276   | Resp: | 3873623 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 138      | 15.9  | 13.4  | 20.0    |
| 277      | 25.0  | 19.6  | 29.4    |





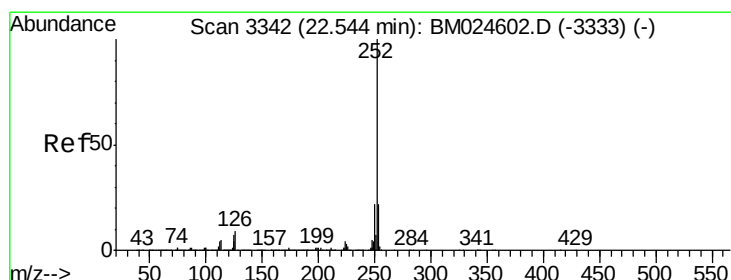
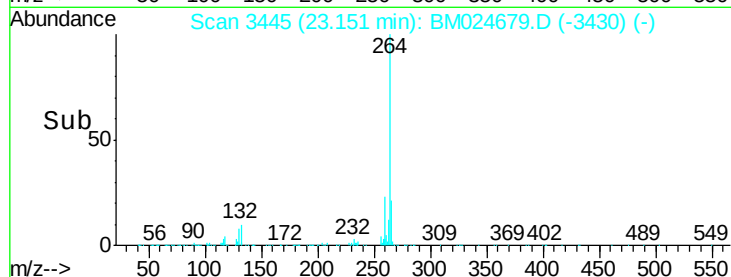
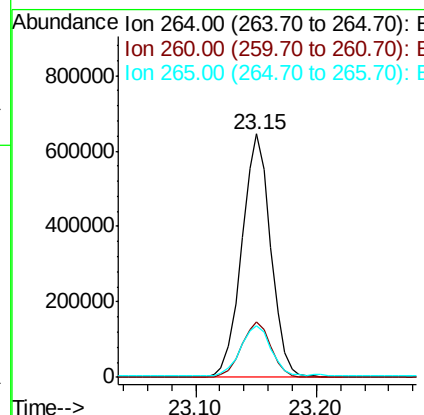
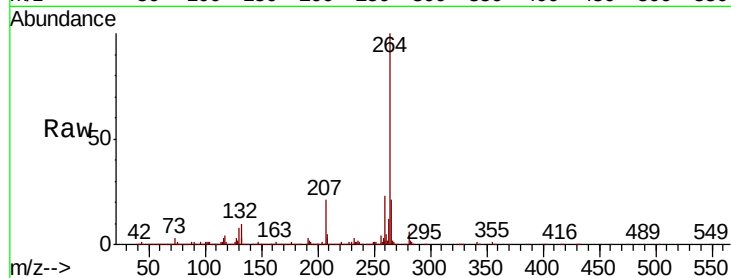
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.15 min Scan# 3445  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 17.9  | 26.9  |
| 265     | 21.4  | 17.3  | 25.9  |

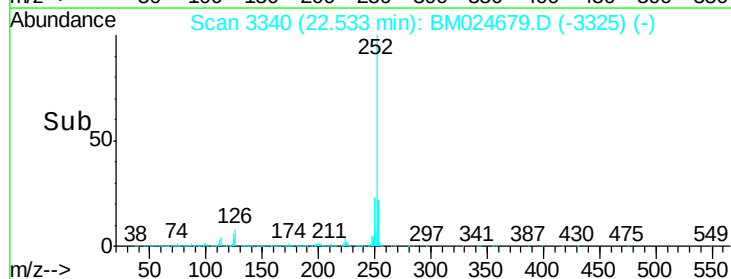
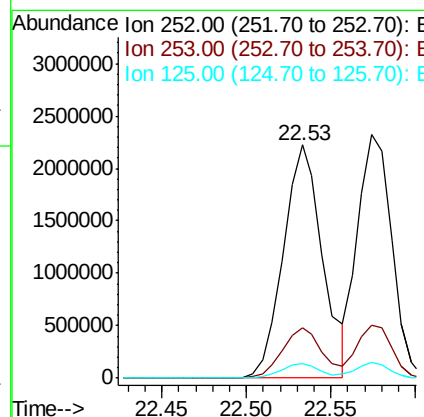
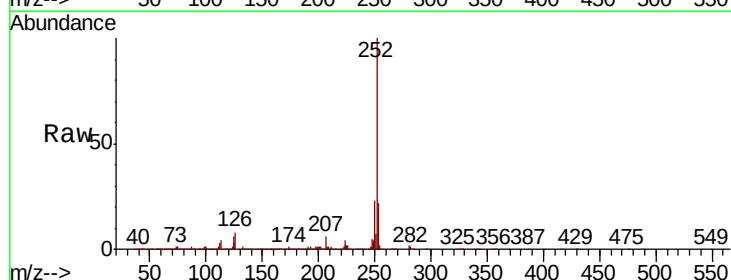
Manual Integrations  
APPROVED

mohammad  
2/3/2020 4:11:07 PM

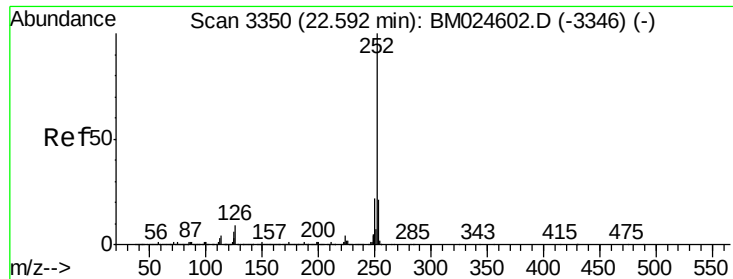


#88  
Benzo(b)fluoranthene  
Concen: 51.083 ng  
RT: 22.53 min Scan# 3340  
Delta R.T. -0.01 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.6  | 26.4  |
| 125     | 6.2   | 5.7   | 8.5   |







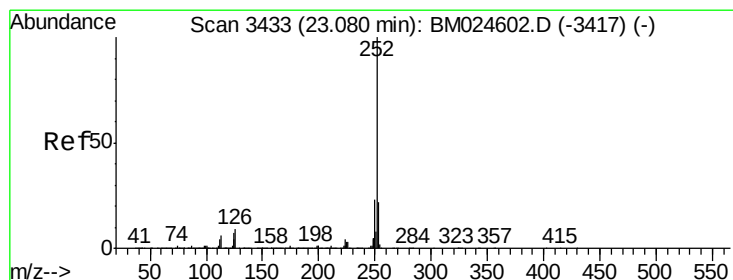
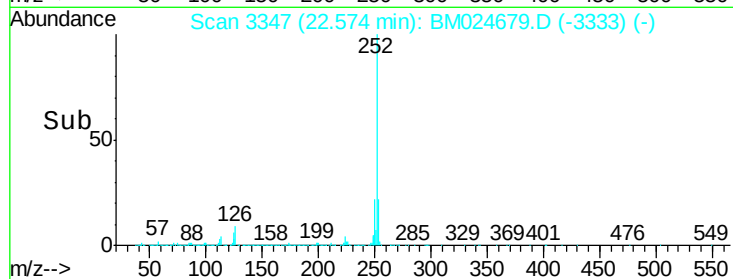
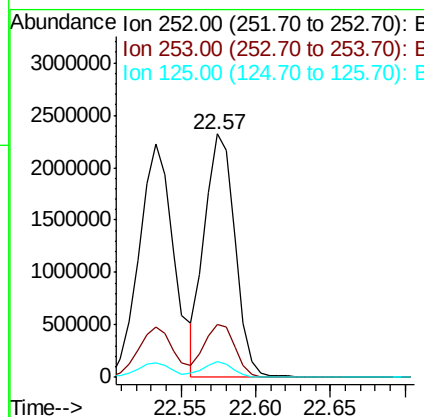
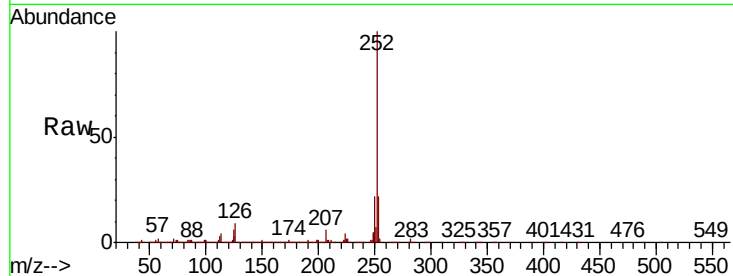
#89  
Benzo(k)fluoranthene  
Concen: 47.764 ng  
RT: 22.57 min Scan# 3347  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Instrument :  
BNA\_M  
ClientSampleId :  
PB126505BS

Tot Ion:252 Resp: 3275727  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 6.4 5.2 7.8

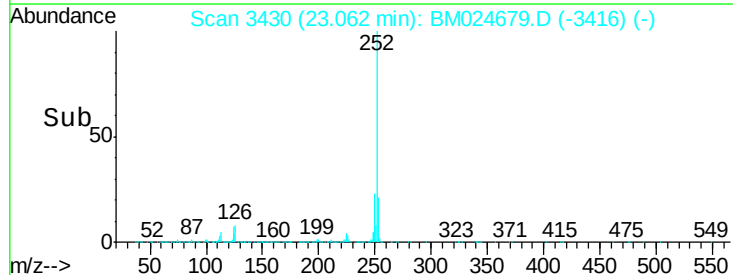
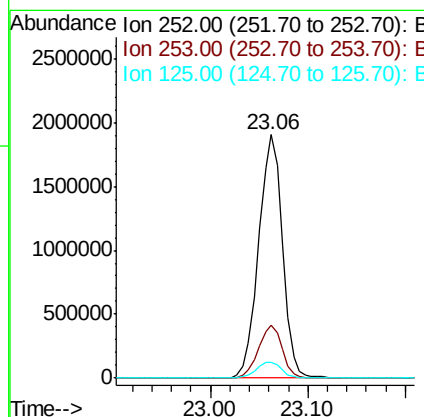
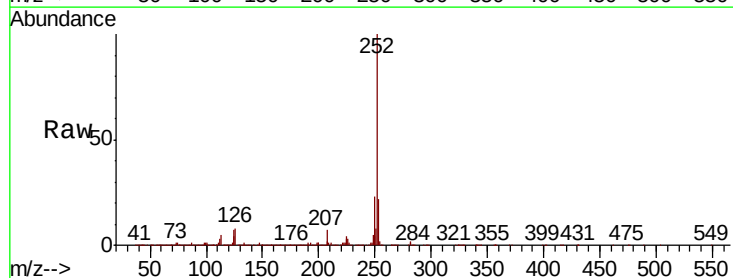
Manual Integrations  
APPROVED

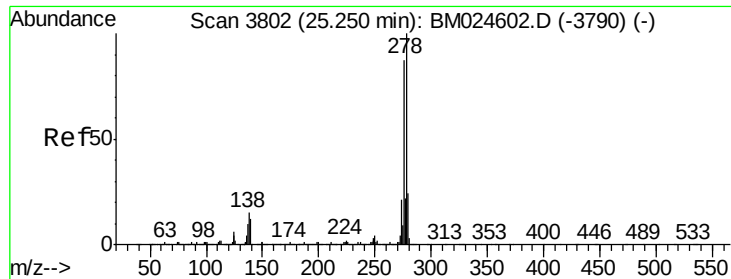
mohammad  
2/3/2020 4:11:07 PM



#90  
Benzo(a)pyrene  
Concen: 50.895 ng  
RT: 23.06 min Scan# 3430  
Delta R.T. -0.02 min  
Lab File: BM024679.D  
Acq: 31 Jan 2020 17:23

Tgt Ion:252 Resp: 3251188  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.3 25.9  
125 6.7 5.8 8.8





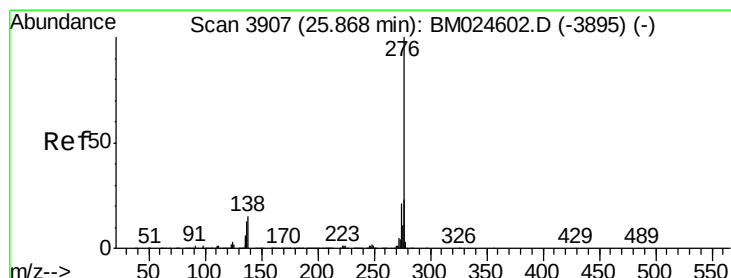
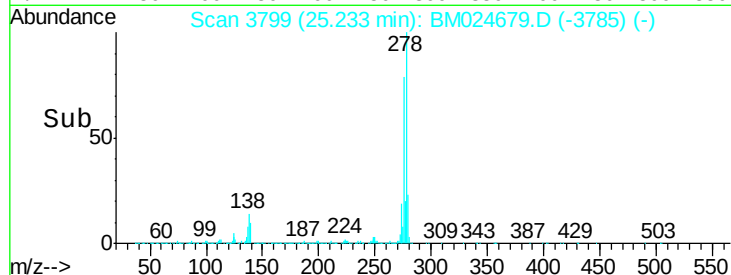
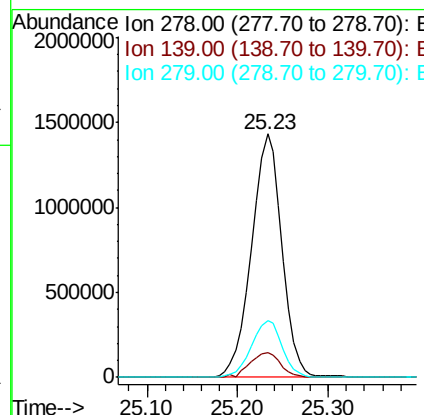
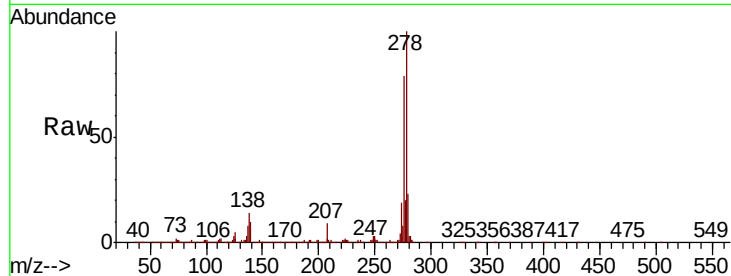
#91  
 Dibenzo(a,h)anthracene  
 Concen: 54.911 ng  
 RT: 25.23 min Scan# 3799  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB126505BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.9   | 9.3   | 13.9  |
| 279     | 23.2  | 18.9  | 28.3  |

Manual Integrations  
 APPROVED

mohammad  
 2/3/2020 4:11:07 PM



#92  
 Benzo(g,h,i)perylene  
 Concen: 59.417 ng  
 RT: 25.84 min Scan# 3903  
 Delta R.T. -0.02 min  
 Lab File: BM024679.D  
 Acq: 31 Jan 2020 17:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 18.6  | 28.0  |
| 138     | 13.0  | 11.9  | 17.9  |

