

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\  
 Data File : BF121214.D  
 Acq On : 6 Aug 2020 21:13  
 Operator : JU/CG  
 Sample : L3568-02MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

Manual Integrations  
 APPROVED

mohammad  
 8/7/2020 1:51:07 PM

Quant Time: Aug 07 05:17:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 29 14:55:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 134261   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.07  | 136  | 523052   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.83  | 164  | 267367   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 504071   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 326202   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.41 | 264  | 345430   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.41  | 112 | 586268 | 71.58 | ng | 0.00  |
| 7) Phenol-d6                | 6.43  | 99  | 712361 | 67.34 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.36  | 82  | 464164 | 51.35 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330 | 212185 | 72.50 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.16  | 172 | 875862 | 48.91 | ng | 0.00  |
| 79) Terphenyl-d14           | 12.90 | 244 | 821181 | 54.72 | ng | 0.00  |

|                                |      |     |         |        |    |      |
|--------------------------------|------|-----|---------|--------|----|------|
| Target Compounds               |      |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.53 | 88  | 146087  | 38.758 | ng | 99   |
| 3) Pyridine                    | 3.27 | 79  | 325002  | 32.413 | ng | 99   |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 167481  | 39.062 | ng | 94   |
| 6) Aniline                     | 6.46 | 93  | 302198  | 21.883 | ng | 93   |
| 8) 2-Chlorophenol              | 6.58 | 128 | 374158  | 41.471 | ng | 99   |
| 9) Benzaldehyde                | 6.35 | 77  | 238090  | 49.408 | ng | 97   |
| 10) Phenol                     | 6.45 | 94  | 449021  | 38.584 | ng | 93   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 349791  | 39.220 | ng | 97   |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 381380  | 38.983 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146 | 389536  | 40.042 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 370599  | 40.269 | ng | 99   |
| 15) Benzyl Alcohol             | 6.94 | 79  | 297498  | 39.765 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 487678  | 37.936 | ng | 93   |
| 17) 2-Methylphenol             | 7.06 | 107 | 292473  | 36.574 | ng | 99   |
| 18) Hexachloroethane           | 7.30 | 117 | 133796  | 37.999 | ng | 100  |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70  | 227967  | 37.895 | ng | 96   |
| 20) 3+4-Methylphenols          | 7.21 | 107 | 354332  | 34.832 | ng | 96   |
| 22) Acetophenone               | 7.20 | 105 | 472743  | 40.272 | ng | # 95 |
| 24) Nitrobenzene               | 7.38 | 77  | 375088  | 38.499 | ng | 98   |
| 25) Isophorone                 | 7.62 | 82  | 674164  | 37.369 | ng | 96   |
| 26) 2-Nitrophenol              | 7.69 | 139 | 198815  | 42.967 | ng | 95   |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 323315  | 43.036 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 435081  | 39.508 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 306744  | 39.957 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 8.02 | 180 | 329429  | 38.678 | ng | 99   |
| 31) Naphthalene                | 8.10 | 128 | 1033630 | 38.525 | ng | 99   |
| 32) Benzoic acid               | 7.87 | 122 | 220599  | 39.117 | ng | 99   |
| 33) 4-Chloroaniline            | 8.15 | 127 | 176024  | 14.707 | ng | 99   |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 187094  | 37.263 | ng | 98   |
| 35) Caprolactam                | 8.53 | 113 | 99234m  | 40.309 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 313575  | 39.827 | ng | 98   |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 702644  | 40.333 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.89 | 142 | 653197  | 39.589 | ng | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 330050  | 42.369 | ng | 99   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\  
 Data File : BF121214.D  
 Acq On : 6 Aug 2020 21:13  
 Operator : JU/CG  
 Sample : L3568-02MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

Manual Integrations  
 APPROVED

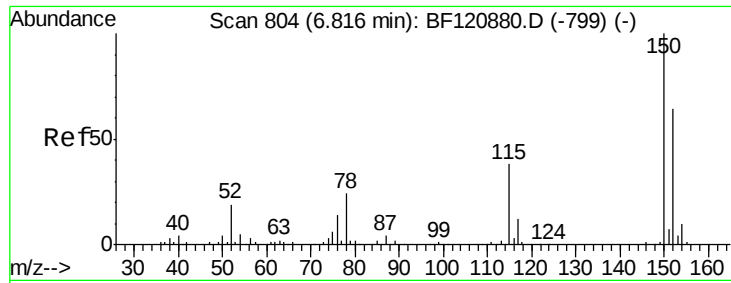
mohammad  
 8/7/2020 1:51:07 PM

Quant Time: Aug 07 05:17:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 29 14:55:43 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 129710   | 30.128 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 220490   | 40.200 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.12  | 196  | 238377   | 38.314 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 833512   | 40.869 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.28  | 162  | 647586   | 38.946 | nq    | 98       |
| 48) 2-Nitroaniline             | 9.38  | 65   | 206173   | 41.029 | nq    | 95       |
| 49) Acenaphthylene             | 9.70  | 152  | 1026986  | 39.757 | nq    | 99       |
| 50) Dimethylphthalate          | 9.56  | 163  | 866068   | 44.900 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165  | 170238   | 41.080 | nq    | 97       |
| 52) Acenaphthene               | 9.87  | 154  | 649512m  | 39.549 | nq    |          |
| 53) 3-Nitroaniline             | 9.79  | 138  | 97172    | 18.696 | nq    | 100      |
| 54) 2,4-Dinitrophenol          | 9.90  | 184  | 100244   | 45.269 | nq    | 95       |
| 55) Dibenzofuran               | 10.04 | 168  | 906485   | 38.169 | nq    | 99       |
| 56) 4-Nitrophenol              | 9.97  | 139  | 270747   | 68.577 | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 10.03 | 165  | 216916   | 39.860 | nq    | # 87     |
| 58) Fluorene                   | 10.39 | 166  | 676797   | 38.209 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 198482   | 41.900 | nq    | 99       |
| 60) Diethylphthalate           | 10.26 | 149  | 752738   | 38.582 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 338164   | 35.794 | nq    | 98       |
| 62) 4-Nitroaniline             | 10.41 | 138  | 163712   | 32.337 | nq    | 98       |
| 63) Azobenzene                 | 10.53 | 77   | 709622   | 38.205 | nq    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 79208    | 28.820 | nq    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 639749   | 40.345 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 220967   | 39.318 | nq    | 100      |
| 68) Hexachlorobenzene          | 10.93 | 284  | 243025   | 39.975 | nq    | 94       |
| 69) Atrazine                   | 11.03 | 200  | 176124   | 44.848 | nq    | 98       |
| 70) Pentachlorophenol          | 11.13 | 266  | 263683   | 75.711 | nq    | 98       |
| 71) Phenanthrene               | 11.35 | 178  | 988973   | 38.148 | nq    | 99       |
| 72) Anthracene                 | 11.40 | 178  | 1042783  | 40.058 | nq    | 99       |
| 73) Carbazole                  | 11.56 | 167  | 975448   | 37.758 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.88 | 149  | 1185908  | 39.779 | nq    | 100      |
| 75) Fluoranthene               | 12.53 | 202  | 1045712  | 36.391 | nq    | 98       |
| 77) Benzidine                  | 12.66 | 184  | 689935   | 80.445 | nq    | 98       |
| 78) Pyrene                     | 12.76 | 202  | 1034423  | 44.853 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.38 | 149  | 465051   | 45.234 | nq    | 96       |
| 81) Benzo(a)anthracene         | 13.95 | 228  | 807735   | 40.891 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 320313   | 42.982 | nq    | 100      |
| 83) Chrysene                   | 13.99 | 228  | 811674   | 39.101 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 620681   | 48.959 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.55 | 149  | 1000181  | 39.655 | nq    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 16.85 | 276  | 910391   | 37.896 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 872651   | 41.794 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.02 | 252  | 727319   | 38.195 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.35 | 252  | 755316   | 39.649 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.86 | 278  | 768095   | 39.142 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.28 | 276  | 732734   | 37.870 | nq    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

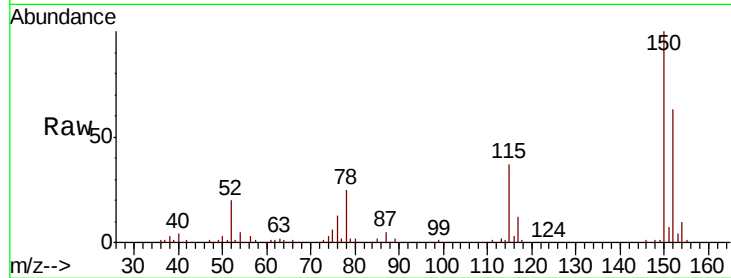
ClientSampleId :

8/5-A-EMS

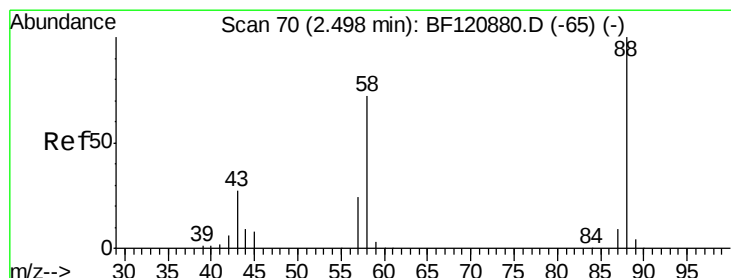
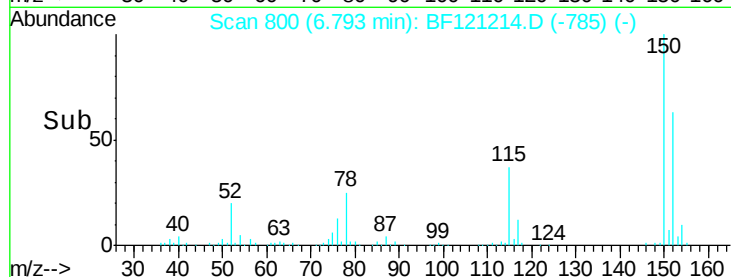
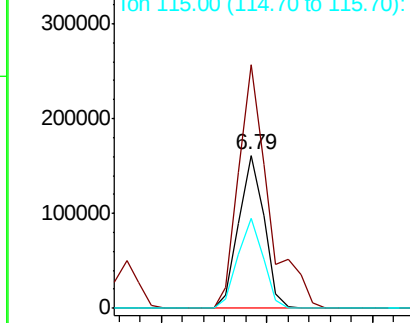
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 134261 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 159.3 | 125.6 | 188.4  |
| 115       | 58.9  | 46.2  | 69.2   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.758 ng

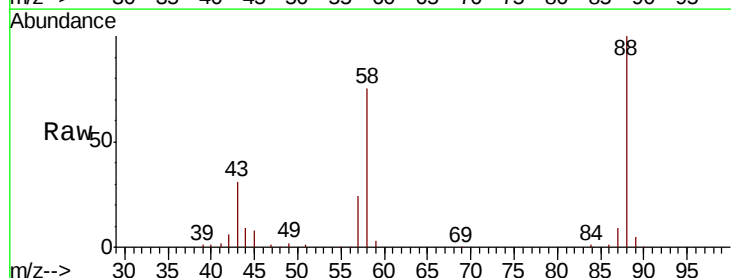
RT: 2.53 min Scan# 76

Delta R.T. 0.02 min

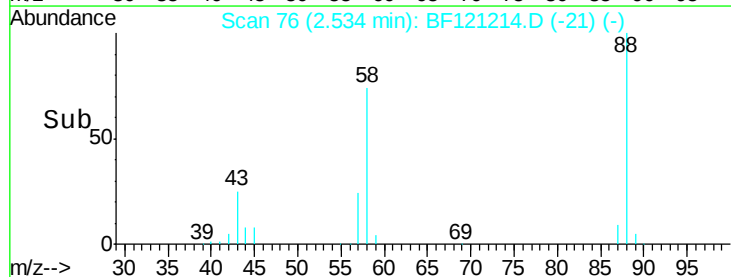
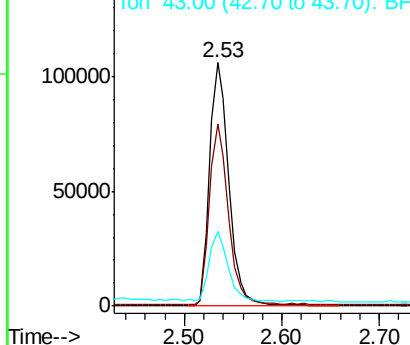
Lab File: BF121214.D

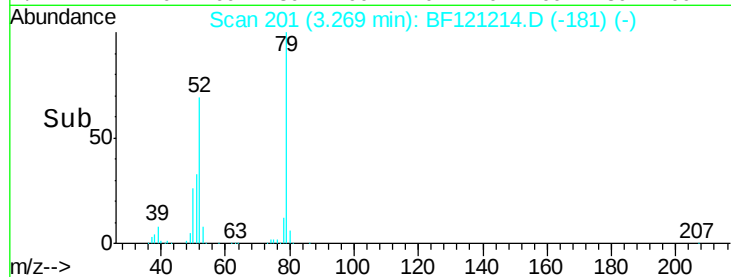
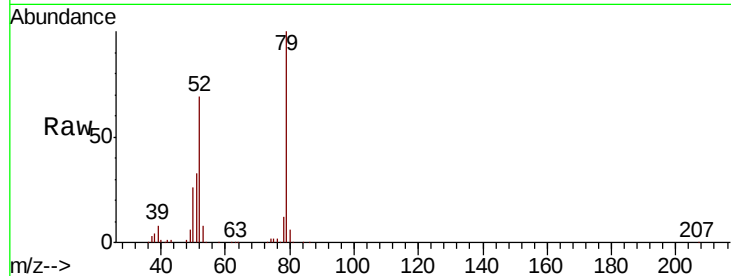
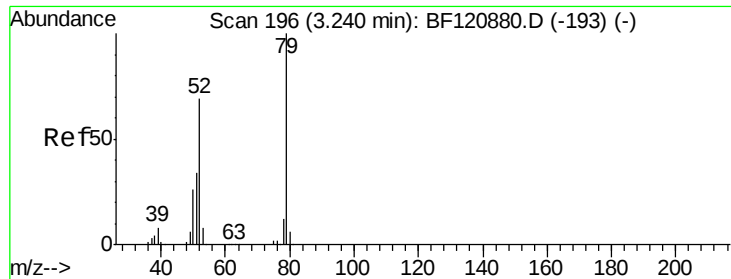
Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 146087 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 72.1  | 58.2  | 87.4   |
| 43        | 28.3  | 21.3  | 31.9   |



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





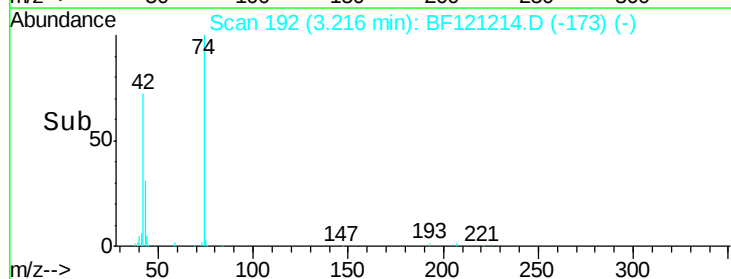
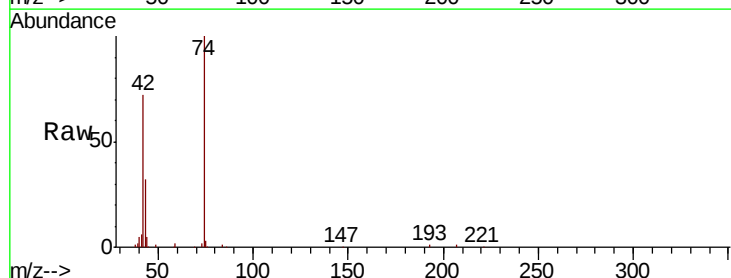
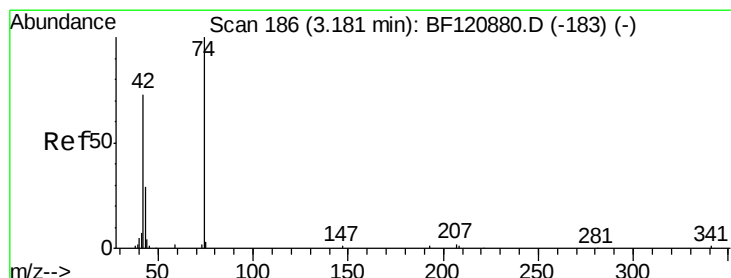
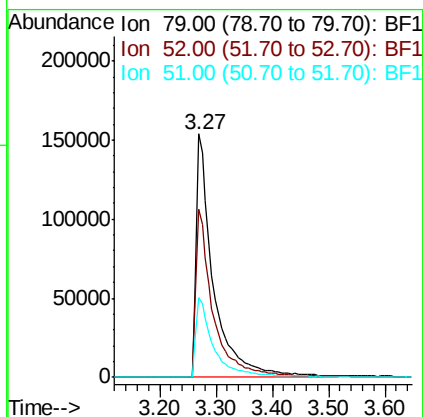
#3  
Pvridine  
Concen: 32.413 ng  
RT: 3.27 min Scan# 201  
Delta R.T. 0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 68.9  | 54.9  | 82.3  |
| 51      | 32.9  | 27.4  | 41.0  |

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

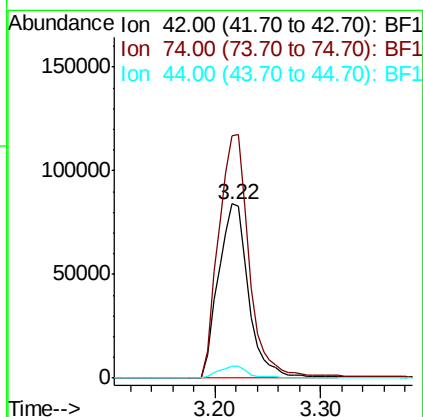
Manual Integrations  
APPROVED

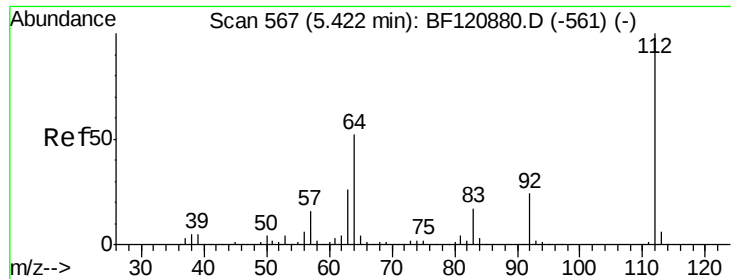
mohammad  
8/7/2020 1:51:07 PM



#4  
n-Nitrosodimethylamine  
Concen: 39.062 ng  
RT: 3.22 min Scan# 192  
Delta R.T. 0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 138.9 | 117.3 | 175.9 |
| 44      | 6.6   | 5.9   | 8.9   |





#5

2-Fluorophenol

Concen: 71.585 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

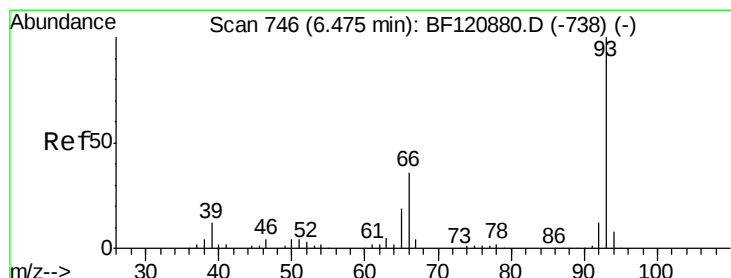
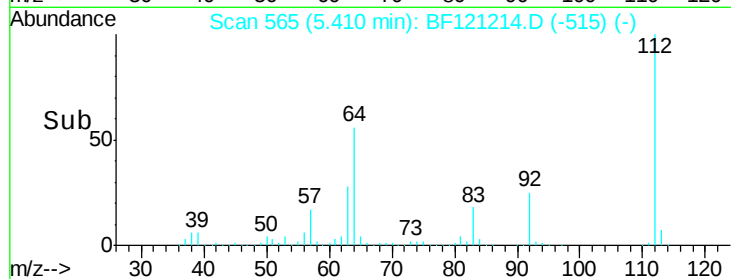
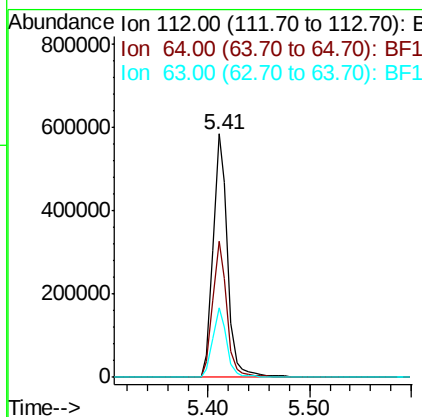
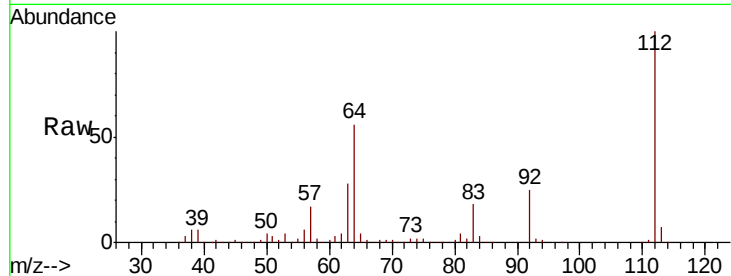
ClientSampleId :

8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 586268 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 55.9  | 43.9  | 65.9   |
| 63        | 28.4  | 22.7  | 34.1   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#6

Aniline

Concen: 21.883 ng

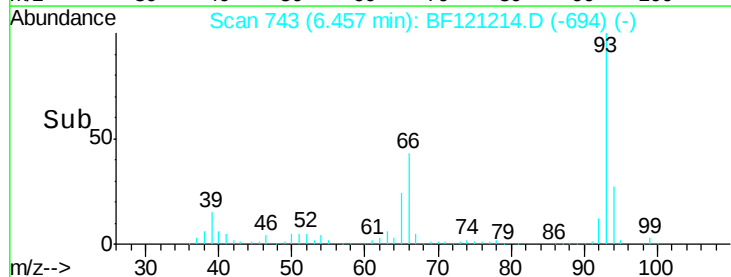
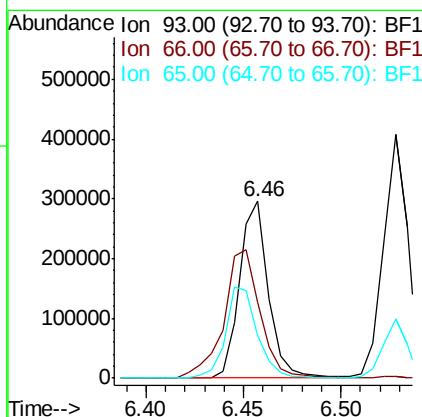
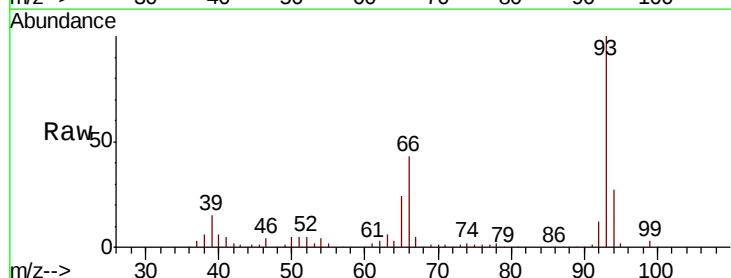
RT: 6.46 min Scan# 743

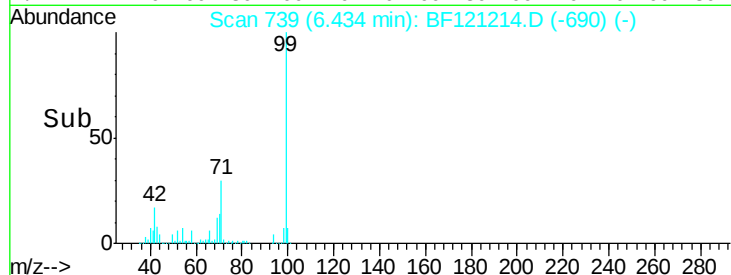
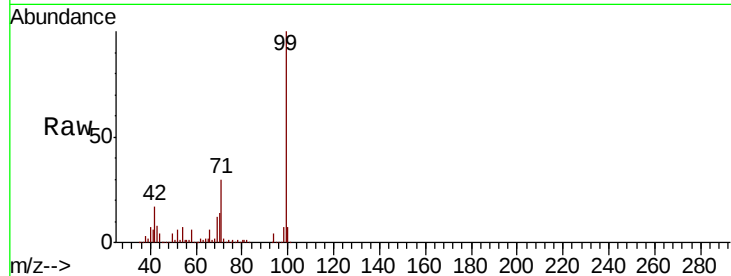
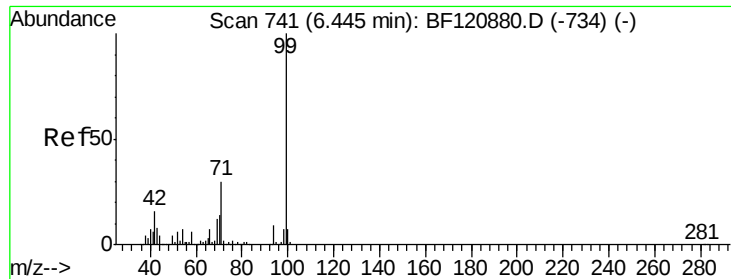
Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 302198 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 42.7  | 31.0  | 46.4   |
| 65        | 24.0  | 16.2  | 24.4   |





#7

Phenol-d6

Concen: 67.336 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 712361 |       |       |
| 42      | 17.3 | 13.5  | 20.3   |       |       |
| 71      | 30.2 | 25.0  | 37.4   |       |       |

Instrument :

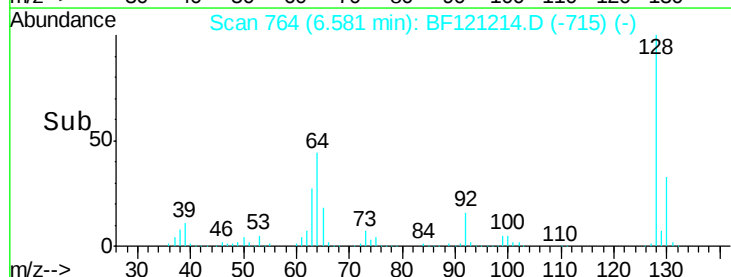
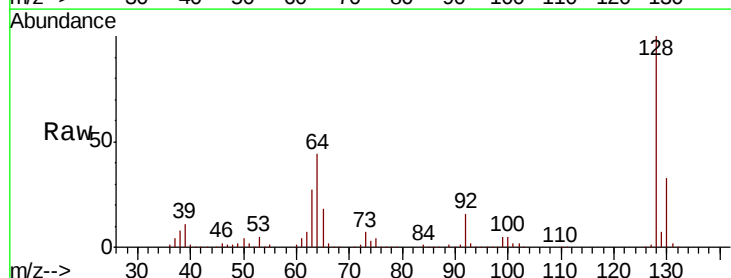
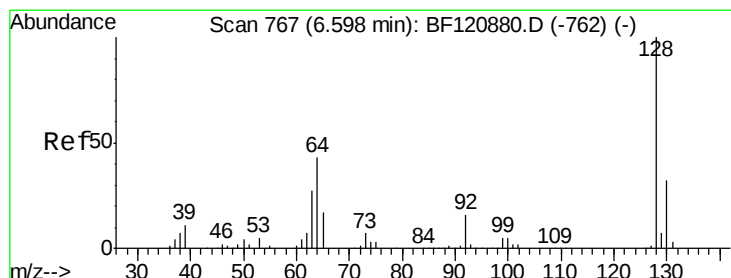
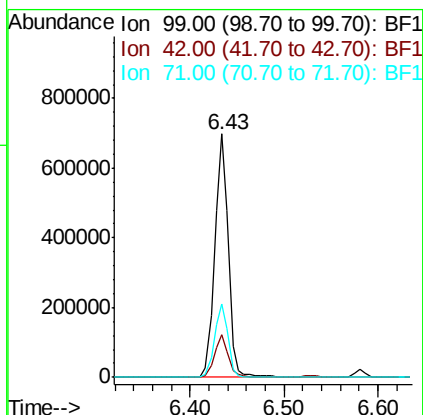
BNA\_F

ClientSampleId :

8/5-A-EMS

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#8

2-Chlorophenol

Concen: 41.471 ng

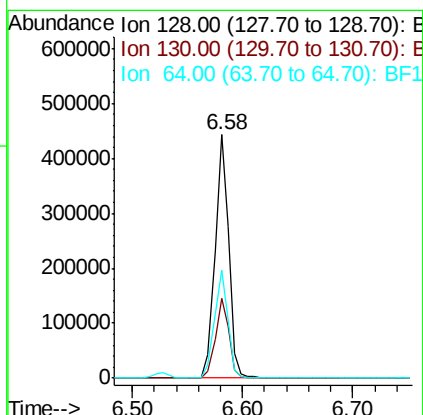
RT: 6.58 min Scan# 764

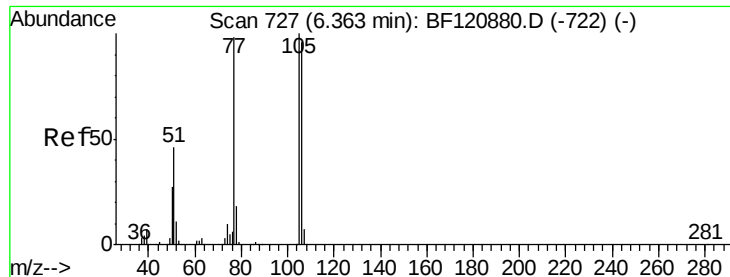
Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 374158 |       |       |
| 130     | 32.5 | 12.7  | 52.7   |       |       |
| 64      | 44.3 | 23.8  | 63.8   |       |       |





#9

Benzaldehyde

Concen: 49.408 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

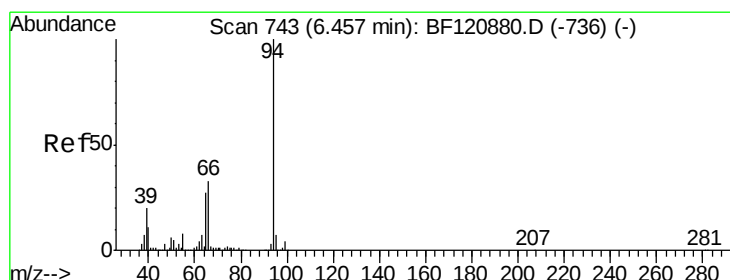
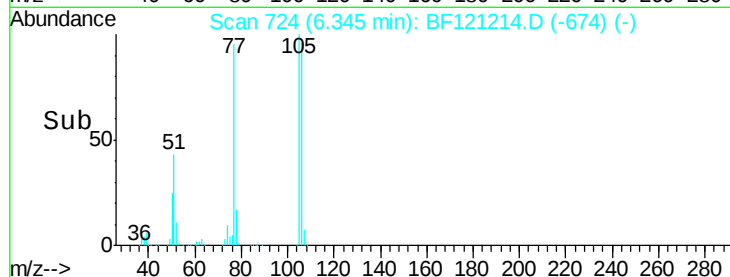
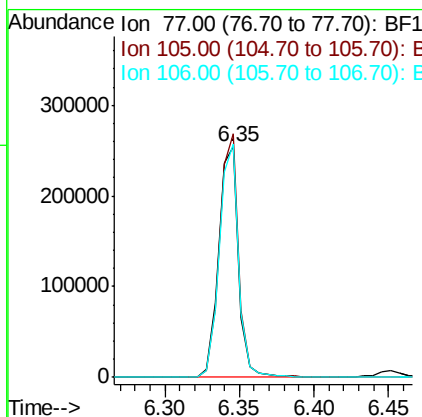
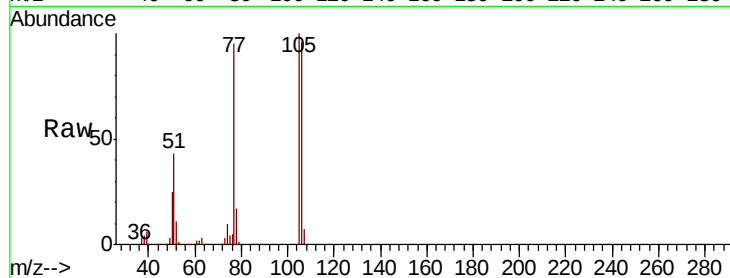
ClientSampled :

8/5-A-EMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 238090 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 105.6 | 82.4  | 122.4  |
| 106      | 101.3 | 78.9  | 118.9  |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#10

Phenol

Concen: 38.584 ng

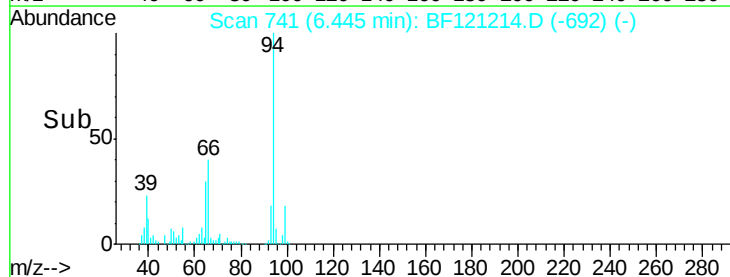
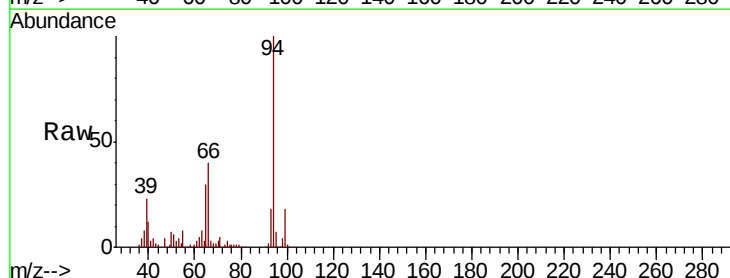
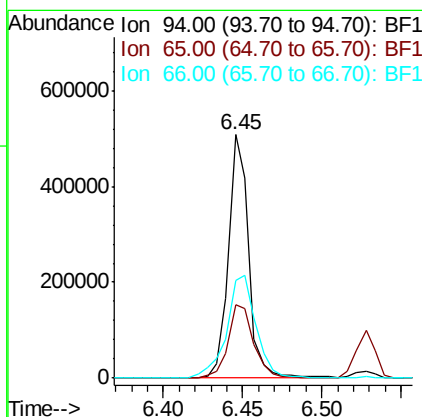
RT: 6.45 min Scan# 741

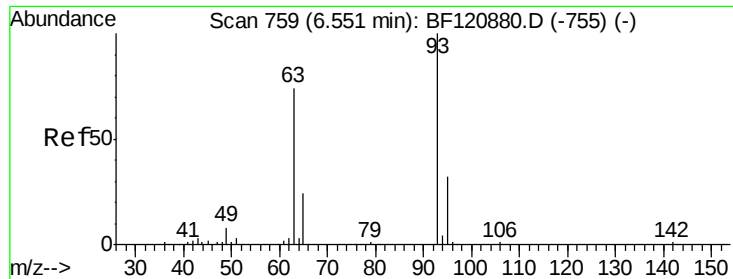
Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 449021 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 30.0  | 12.6  | 52.6   |
| 66       | 40.1  | 25.6  | 65.6   |





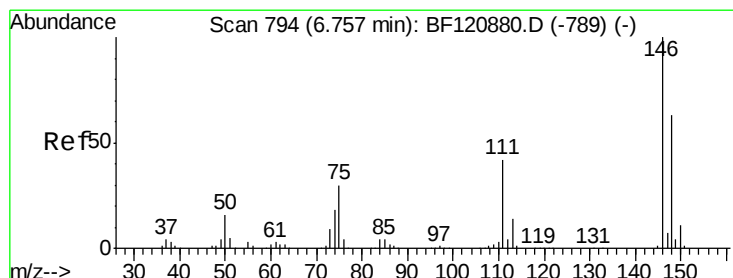
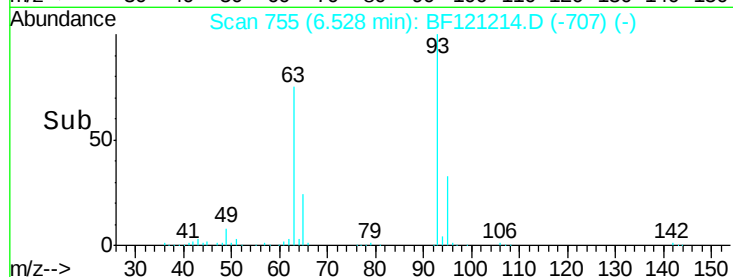
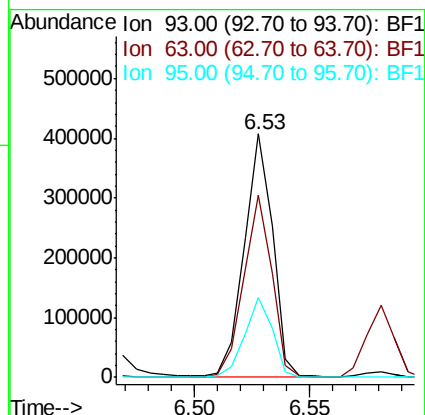
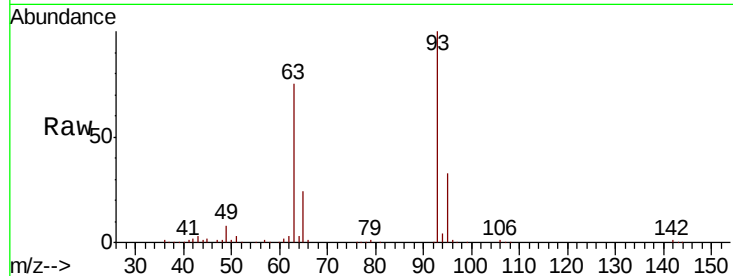
#11  
bis(2-Chloroethyl)ether  
Concen: 39.220 ng  
RT: 6.53 min Scan# 755  
Delta R.T. -0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 349791 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 74.6  | 51.9  | 91.9   |
| 95        | 32.7  | 13.2  | 53.2   |

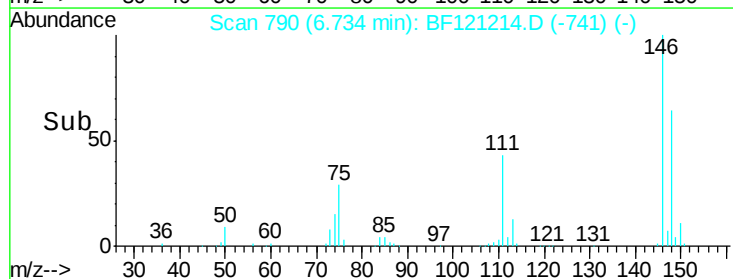
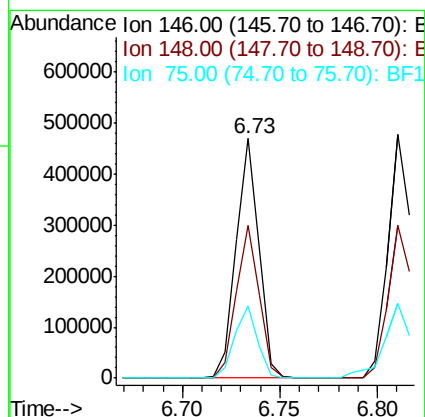
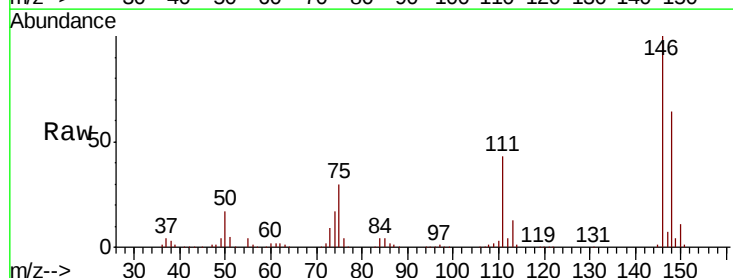
Manual Integrations  
APPROVED

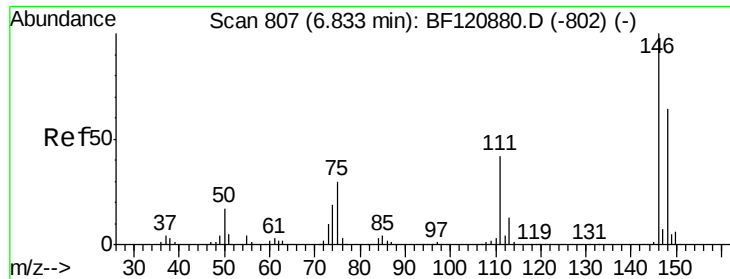
mohammad  
8/7/2020 1:51:07 PM



#12  
1,3-Dichlorobenzene  
Concen: 38.983 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 381380 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.5  | 51.7  | 77.5   |
| 75        | 30.1  | 23.8  | 35.6   |





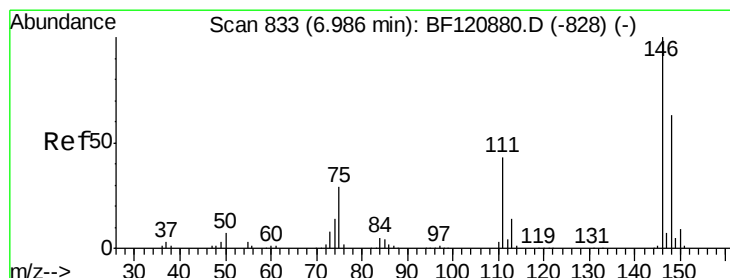
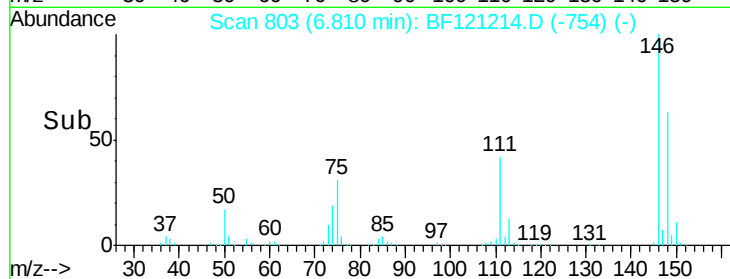
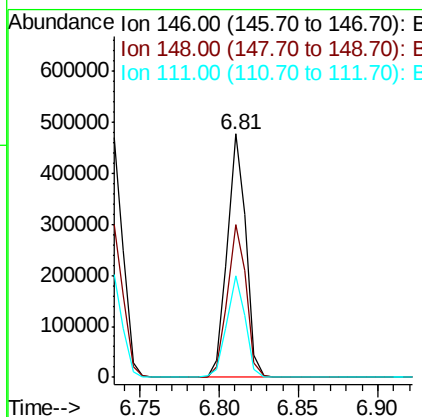
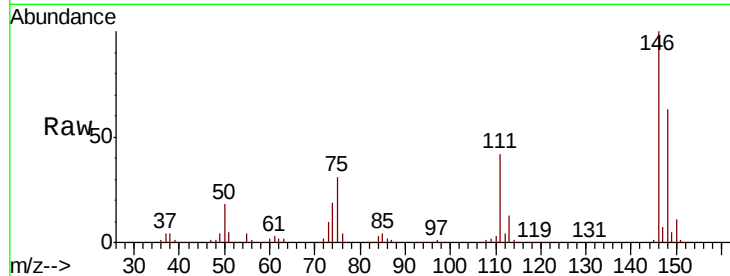
#13  
 1,4-Dichlorobenzene  
 Concen: 40.042 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 50.5  | 75.7  |
| 111     | 41.7  | 32.8  | 49.2  |

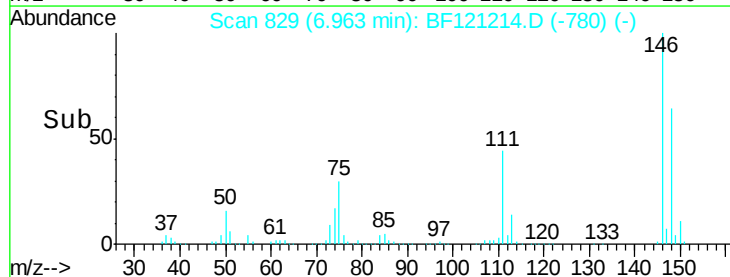
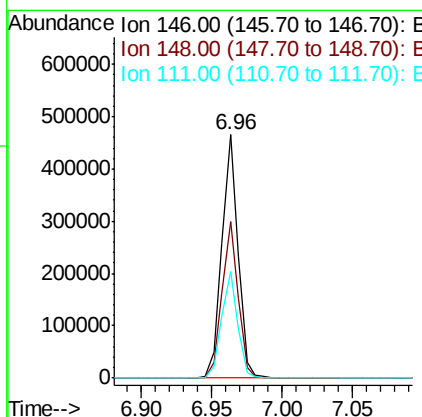
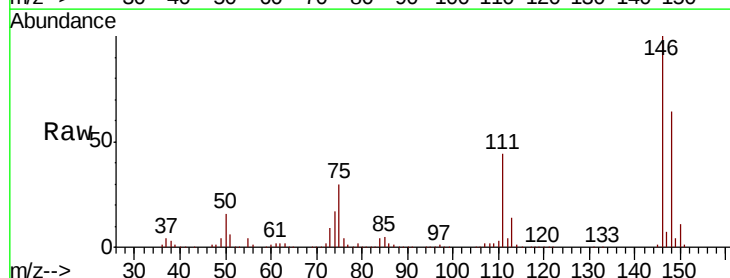
Manual Integrations  
 APPROVED

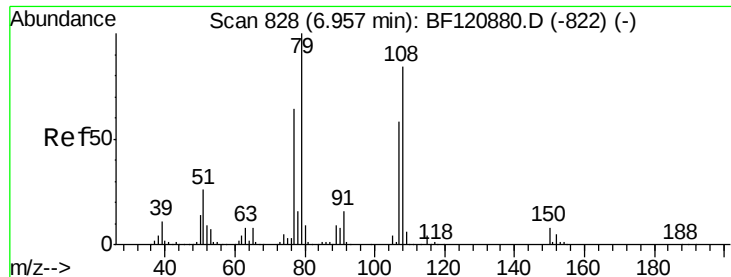
mohammad  
 8/7/2020 1:51:07 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 40.269 ng  
 RT: 6.96 min Scan# 829  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 50.8  | 76.2  |
| 111     | 43.6  | 35.4  | 53.0  |





#15

Benzyl Alcohol

Concen: 39.765 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

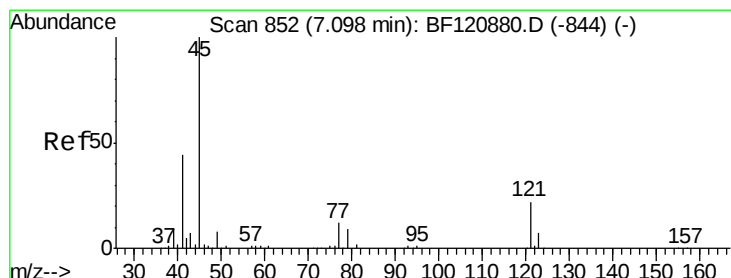
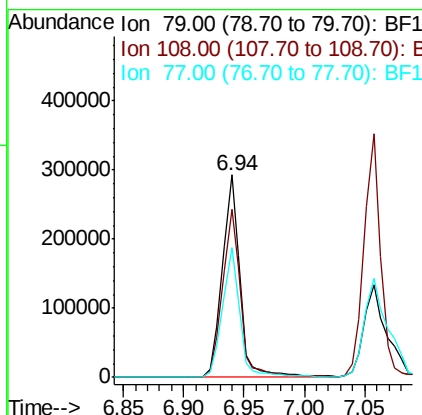
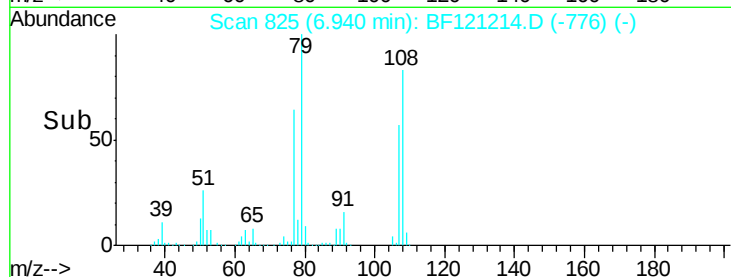
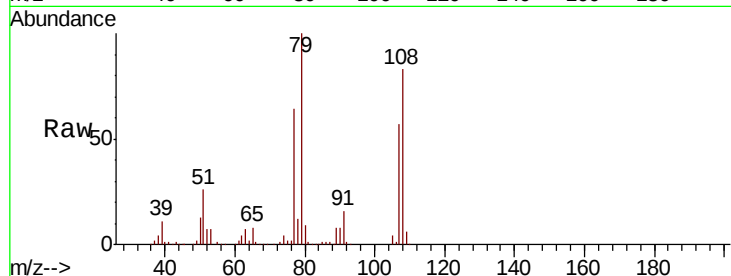
ClientSampleId :

8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 297498 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 83.3  | 68.6  | 103.0  |
| 77        | 63.9  | 51.4  | 77.2   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.936 ng

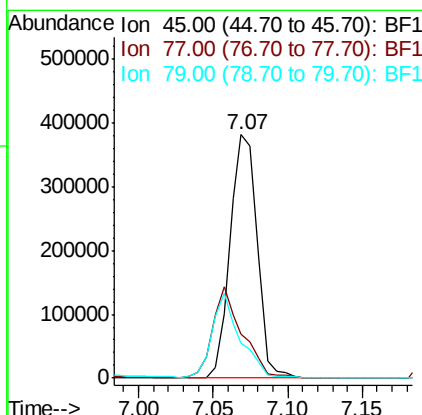
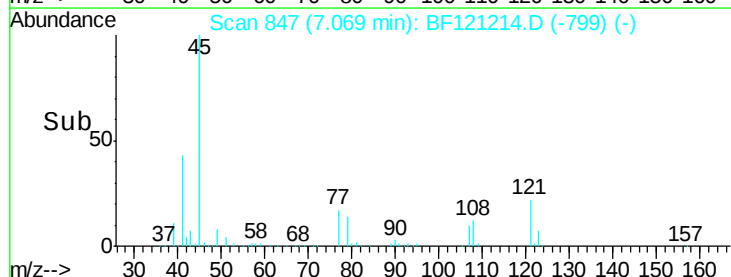
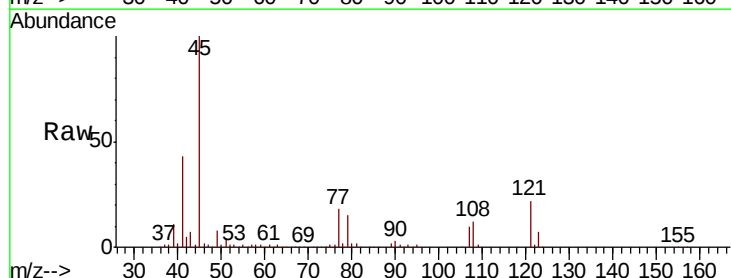
RT: 7.07 min Scan# 847

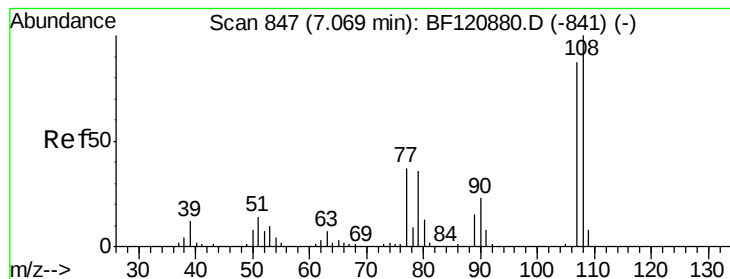
Delta R.T. -0.02 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 487678 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 18.0  | 0.0   | 34.7   |
| 79        | 14.5  | 0.0   | 32.0   |





#17

2-Methylphenol

Concen: 36.574 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

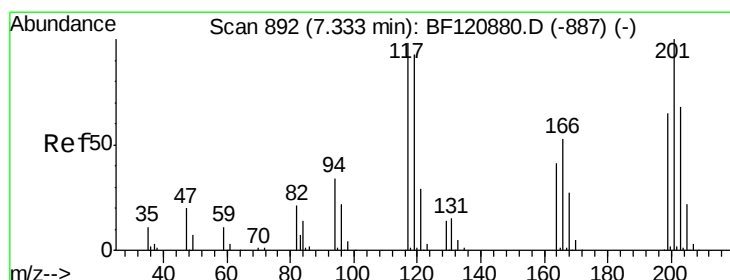
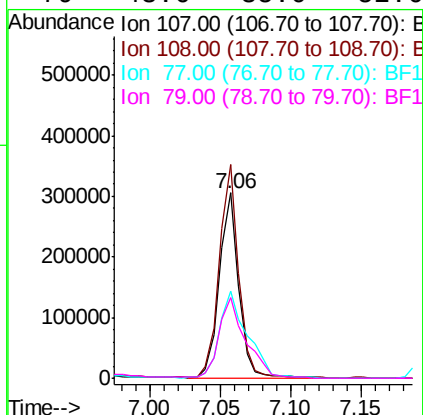
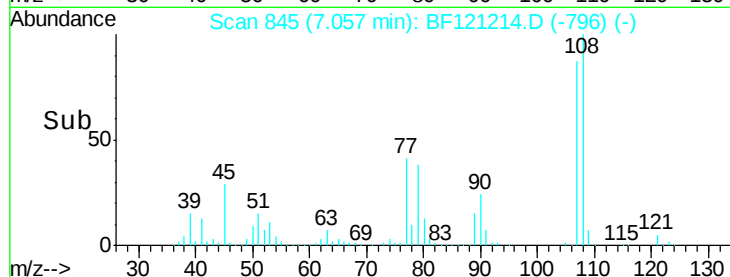
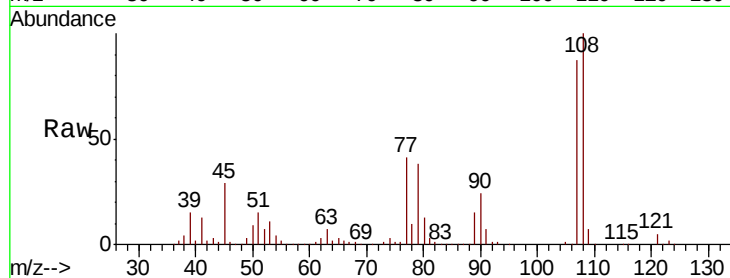
ClientSampled :

8/5-A-EMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 115.3 | 91.2 | 136.8 |       |
| 77      | 47.1  | 36.5 | 54.7  |       |
| 79      | 43.6  | 35.0 | 52.6  |       |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#18

Hexachloroethane

Concen: 37.999 ng

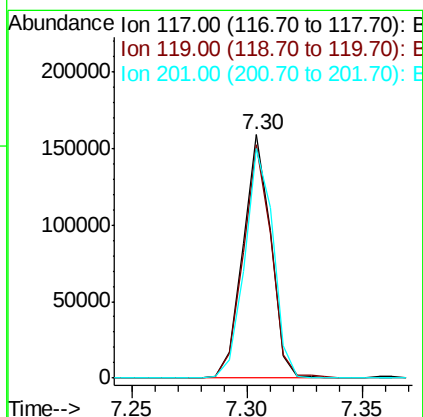
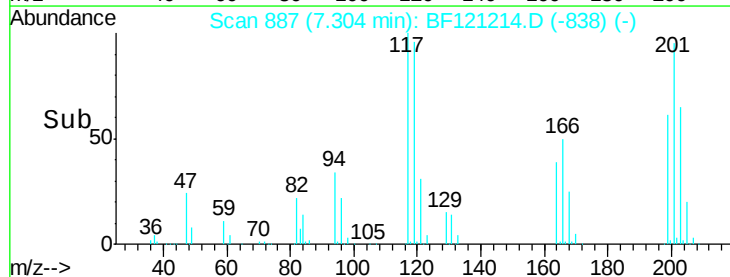
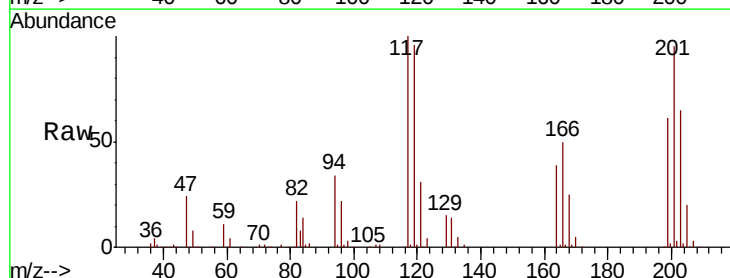
RT: 7.30 min Scan# 887

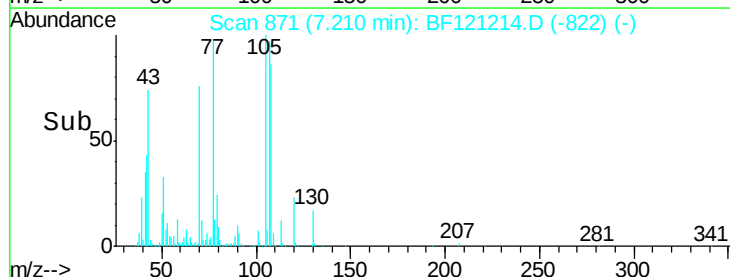
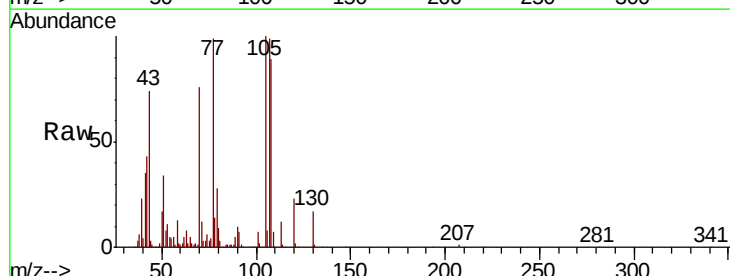
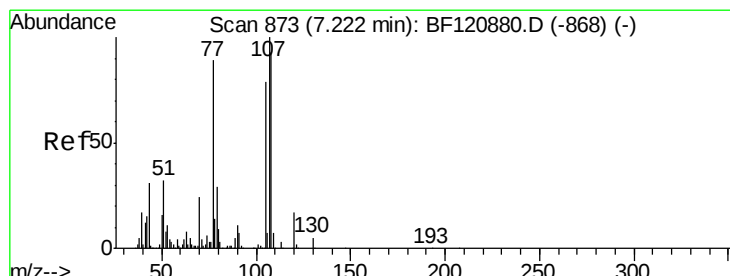
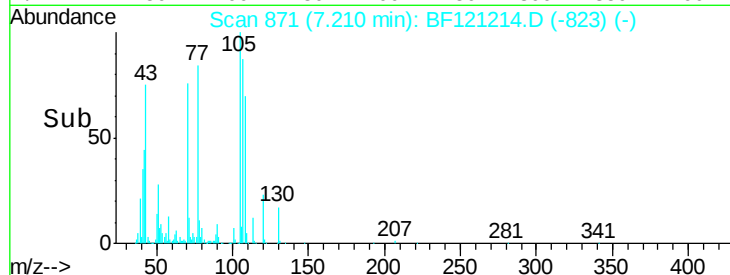
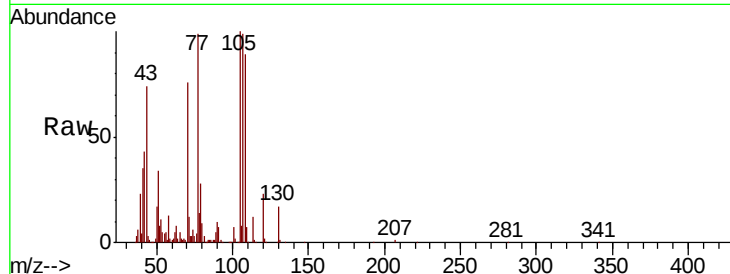
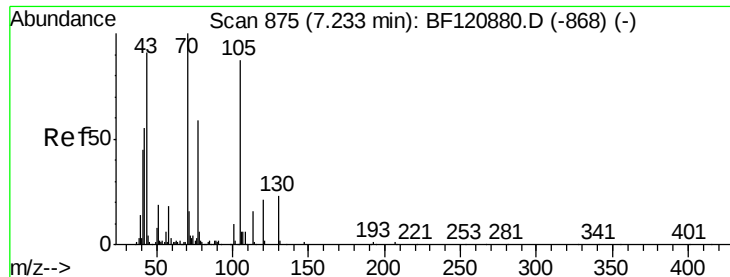
Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.8  | 76.6 | 114.8 |       |
| 201     | 94.5  | 75.0 | 112.4 |       |





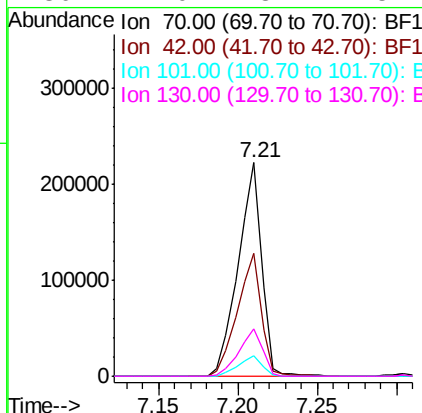
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.895 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 57.3 | 43.3  | 64.9  |       |
| 101     | 9.8  | 8.4   | 12.6  |       |
| 130     | 22.0 | 18.7  | 28.1  |       |

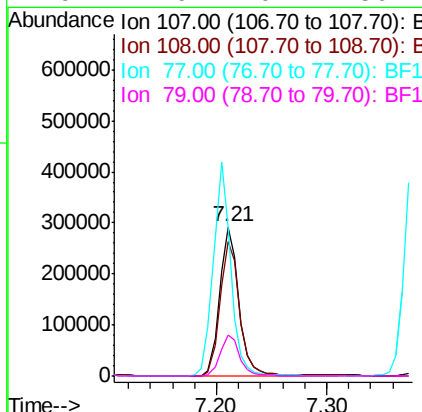
Manual Integrations  
APPROVED

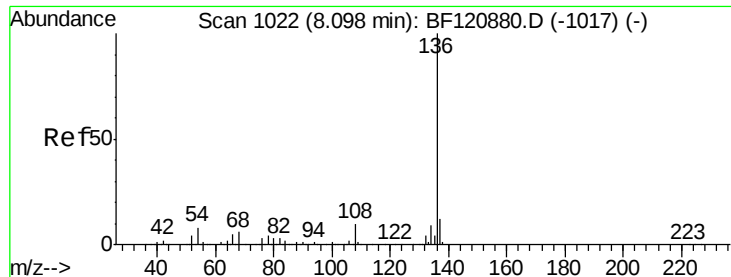
mohammad  
8/7/2020 1:51:07 PM



#20  
3+4-Methylphenols  
Concen: 34.832 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 90.1  | 73.7  | 113.7 |       |
| 77      | 100.3 | 84.9  | 124.9 |       |
| 79      | 27.9  | 10.7  | 50.7  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

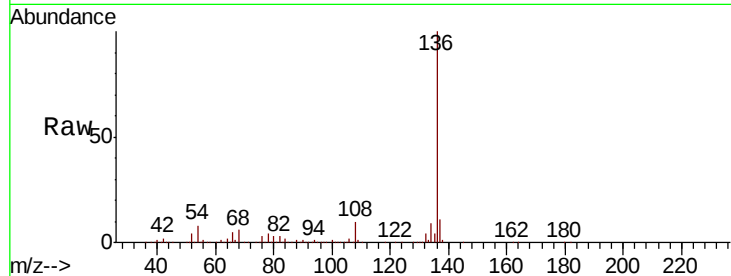
ClientSampleId :

8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 523052 |       |       |
| 137     | 10.9  |        | 9.0   | 13.4  |
| 54      | 7.8   |        | 6.1   | 9.1   |
| 68      | 6.1   |        | 5.0   | 7.6   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



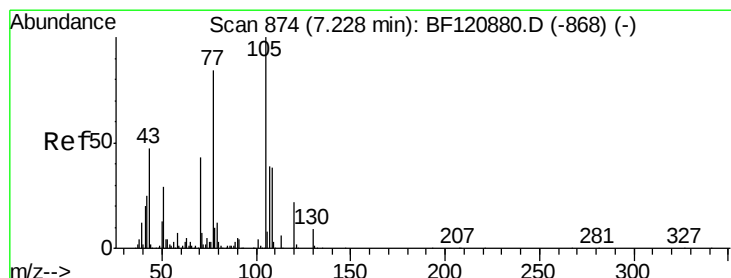
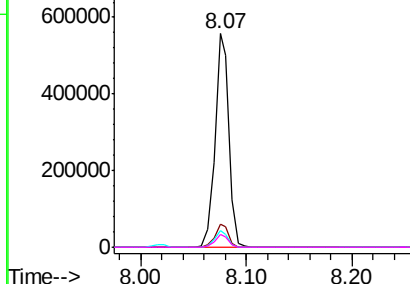
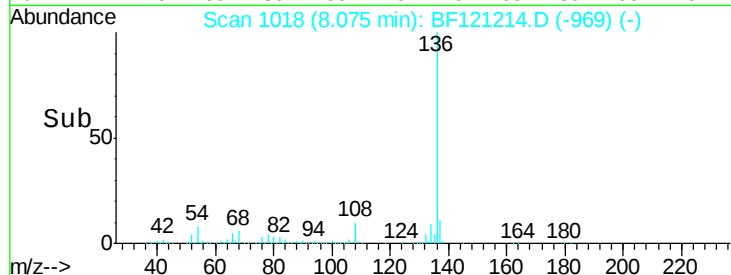
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 40.272 ng

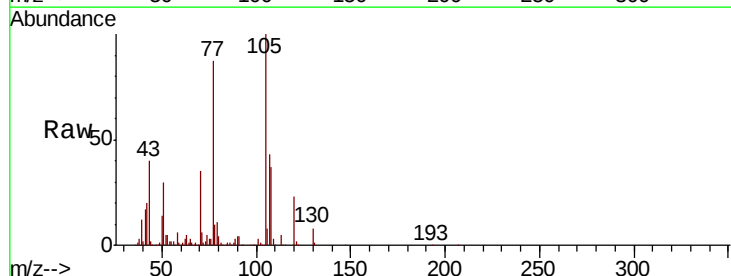
RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 472743 |       |       |
| 71      | 5.9   |        | 3.8   | 5.8#  |
| 51      | 30.5  |        | 28.0  | 42.0  |
| 120     | 22.6  |        | 17.8  | 26.6  |



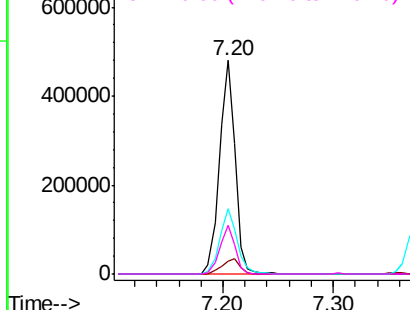
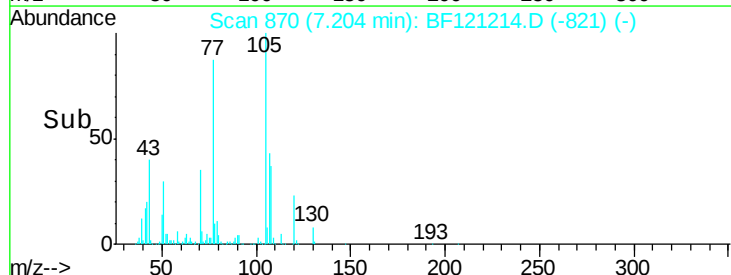
Abundance

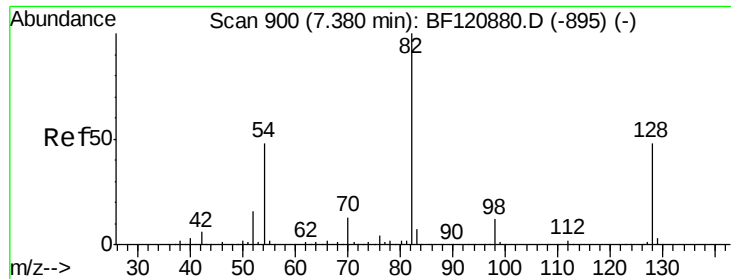
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





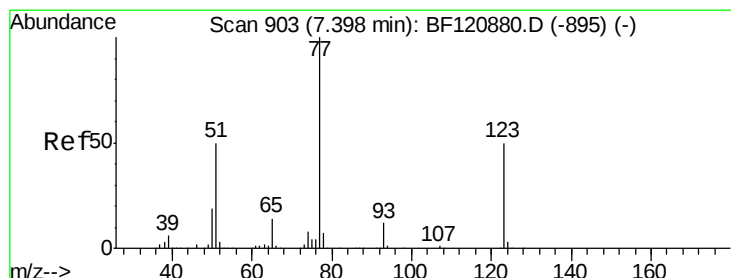
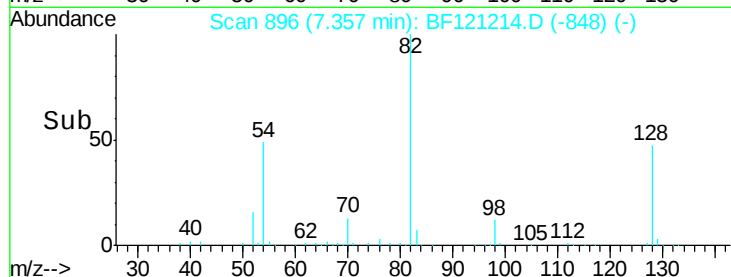
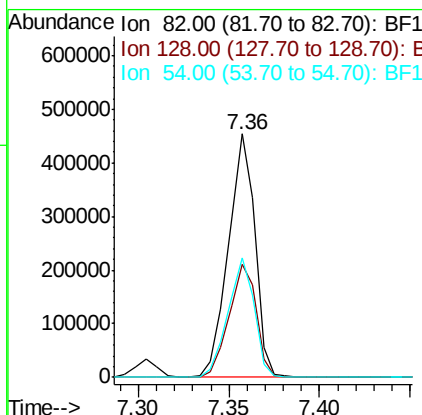
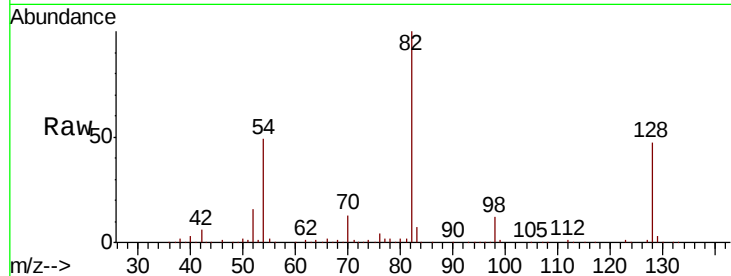
#23  
Nitrobenzene-d5  
Concen: 51.349 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.6  | 39.2  | 58.8  |
| 54      | 49.0  | 37.8  | 56.8  |

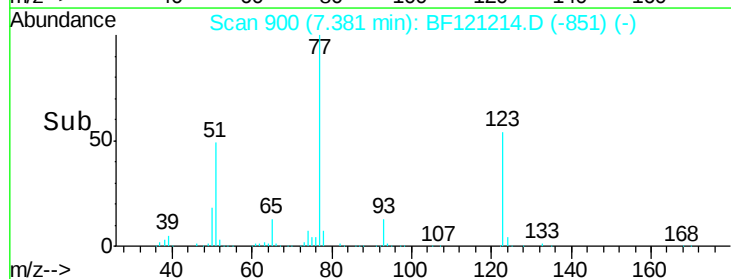
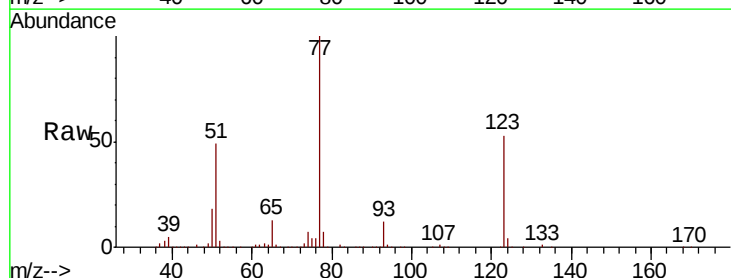
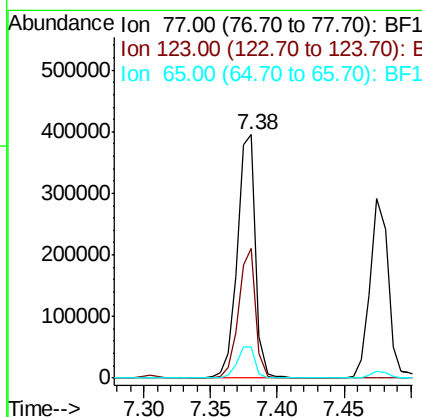
Manual Integrations  
APPROVED

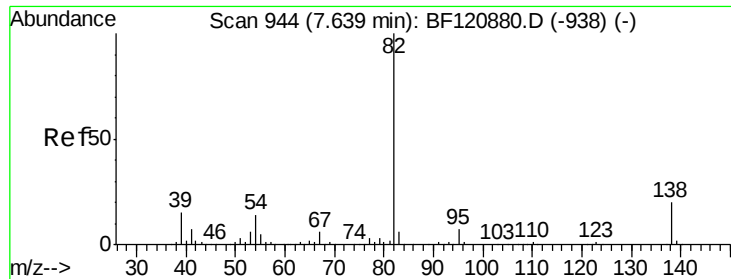
mohammad  
8/7/2020 1:51:07 PM



#24  
Nitrobenzene  
Concen: 38.499 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 53.0  | 41.0  | 61.6  |
| 65      | 12.7  | 10.3  | 15.5  |





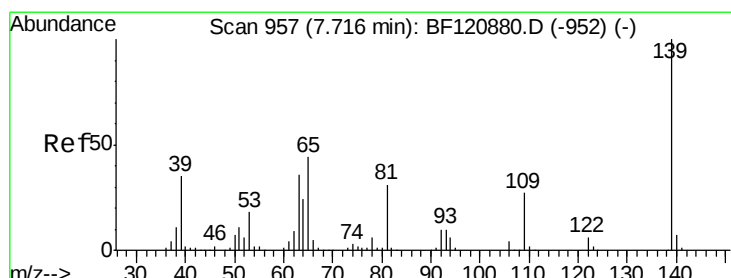
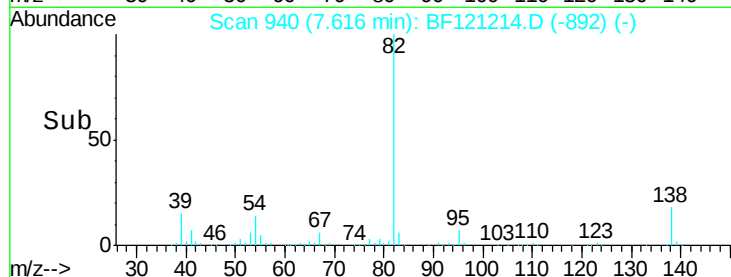
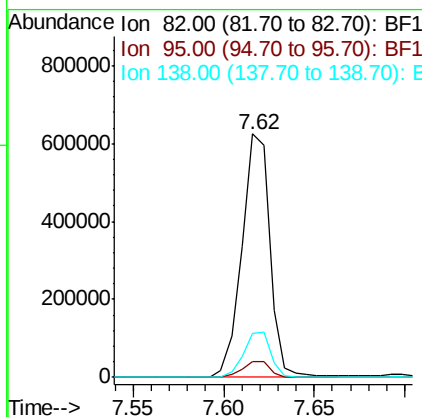
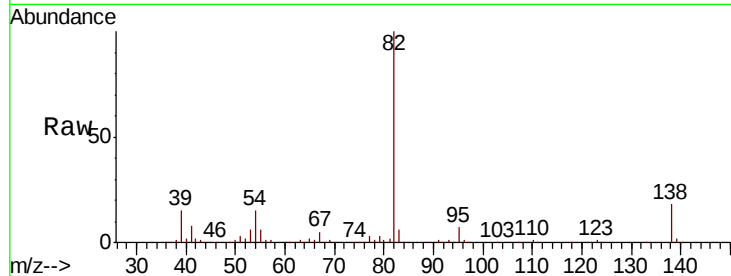
#25  
Isophorone  
Concen: 37.369 ng  
RT: 7.62 min Scan# 940  
Delta R.T. -0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 674164 |       |       |
| 95      | 6.7   | 5.5    | 8.3   |       |
| 138     | 17.9  | 16.2   | 24.2  |       |

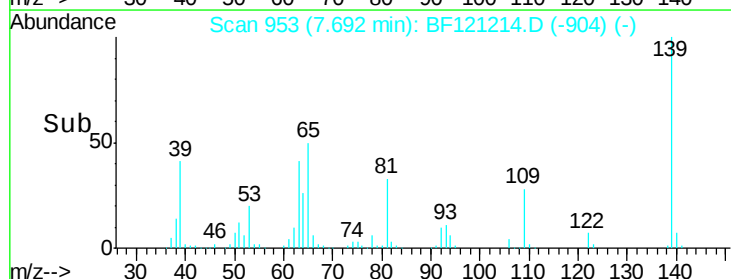
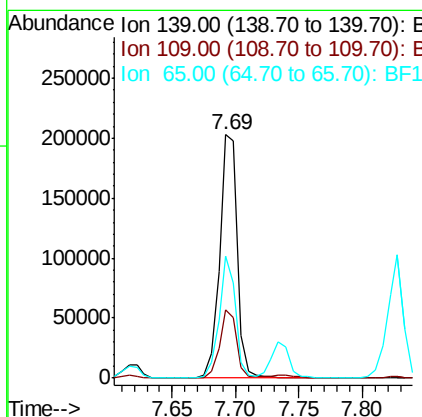
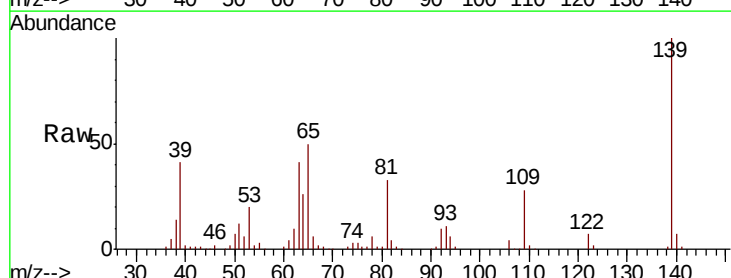
Manual Integrations  
APPROVED

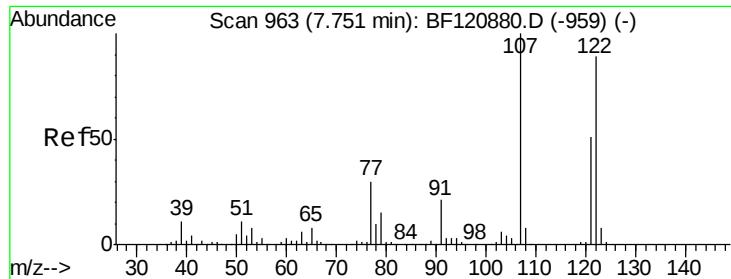
mohammad  
8/7/2020 1:51:07 PM



#26  
2-Nitrophenol  
Concen: 42.967 ng  
RT: 7.69 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 198815 |       |       |
| 109     | 27.8  | 21.7   | 32.5  |       |
| 65      | 49.9  | 36.3   | 54.5  |       |





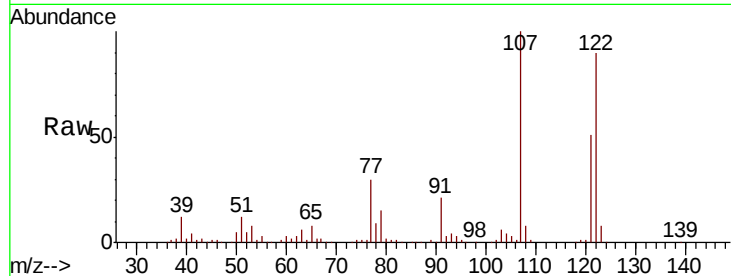
#27  
2,4-Dimethylphenol  
Concen: 43.036 ng  
RT: 7.73 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

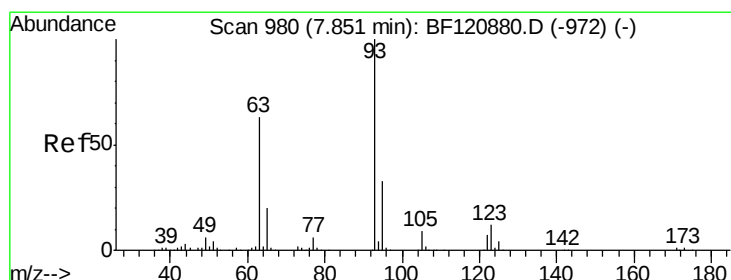
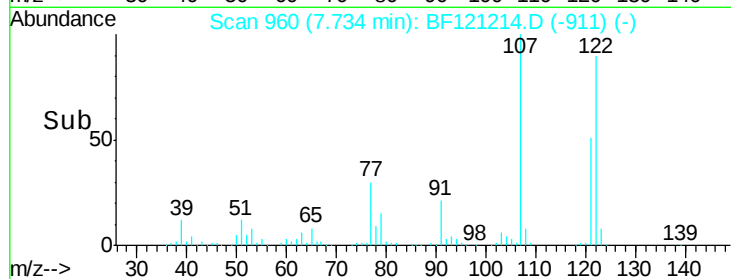
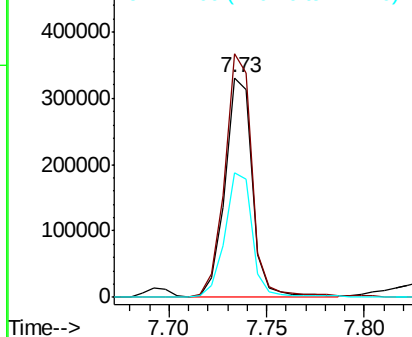
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 323315 |       |       |
| 107     | 110.7 | 87.1   | 130.7 |       |
| 121     | 56.7  | 45.5   | 68.3  |       |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM

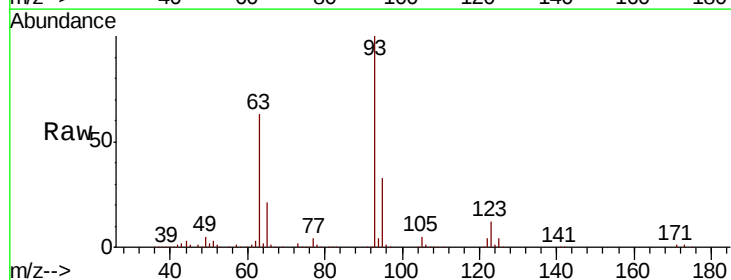


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

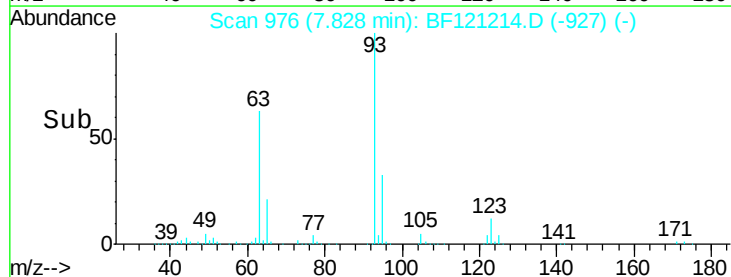
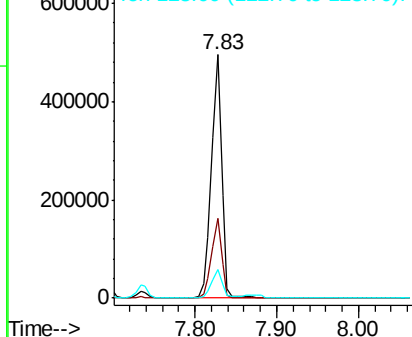


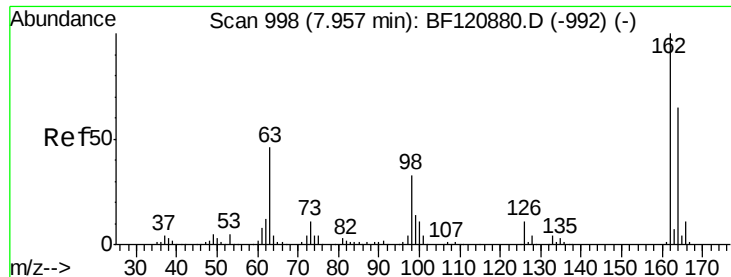
#28  
bis(2-Chloroethoxy)methane  
Concen: 39.508 ng  
RT: 7.83 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 435081 |       |       |
| 95      | 32.9  | 26.2   | 39.4  |       |
| 123     | 11.9  | 9.5    | 14.3  |       |



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 123.00 (122.70 to 123.70): E





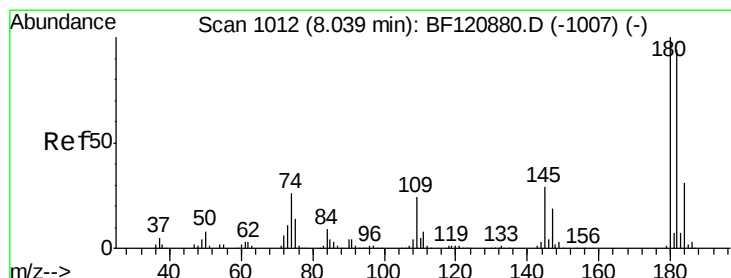
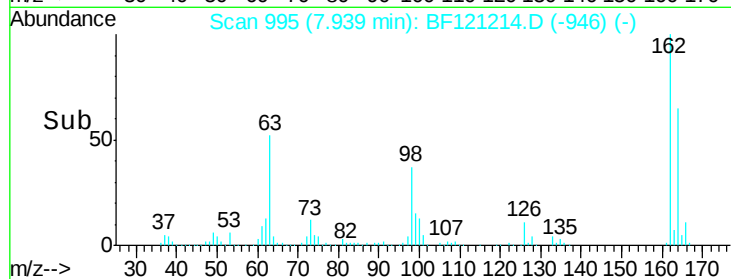
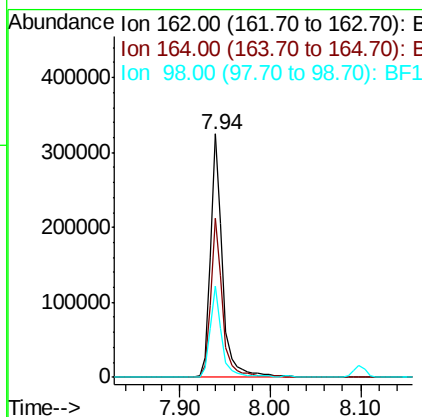
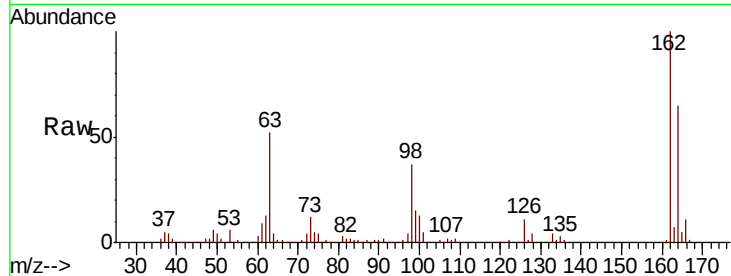
#29  
2,4-Dichlorophenol  
Concen: 39.957 ng  
RT: 7.94 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 306744 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 65.1  | 44.7  | 84.7   |
| 98        | 37.4  | 14.2  | 54.2   |

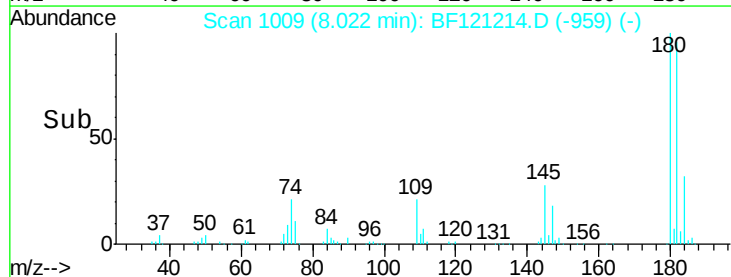
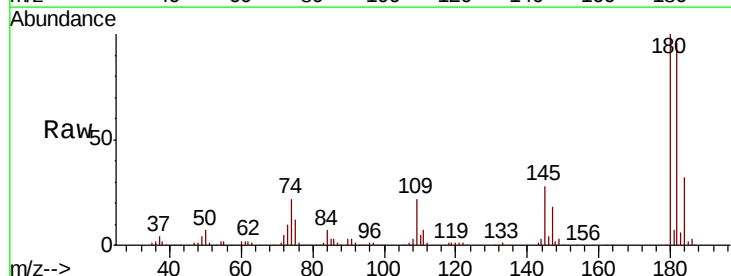
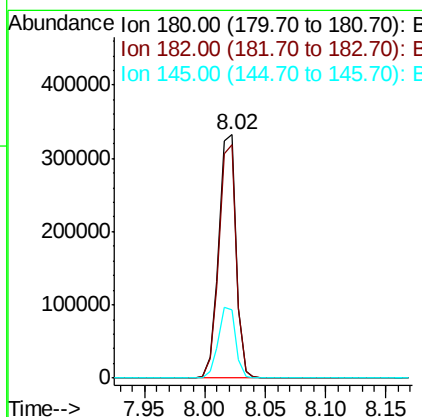
Manual Integrations  
APPROVED

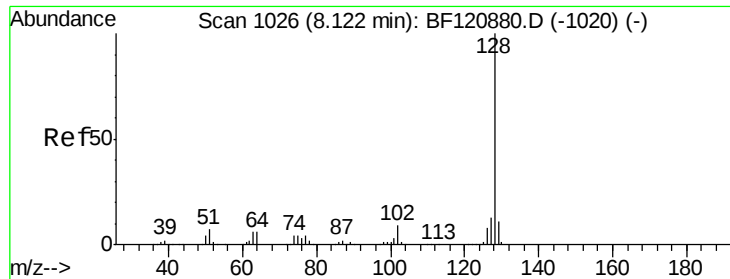
mohammad  
8/7/2020 1:51:07 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 38.678 ng  
RT: 8.02 min Scan# 1009  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 329429 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 76.4  | 114.6  |
| 145       | 28.3  | 24.2  | 36.4   |





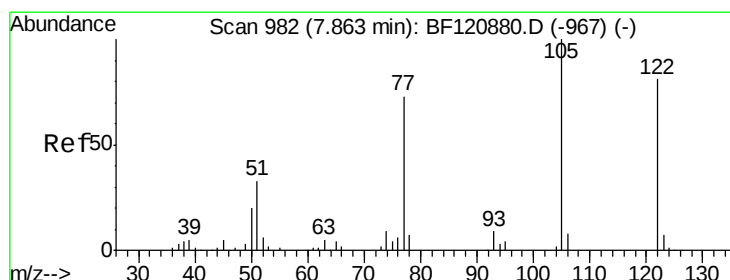
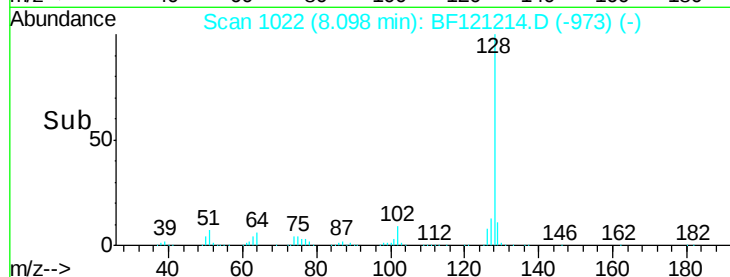
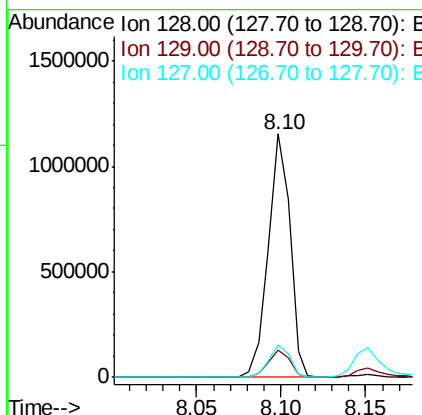
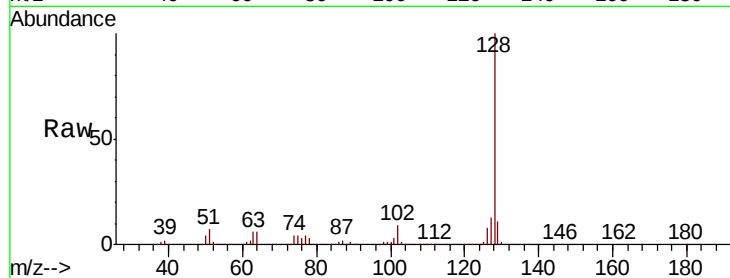
#31  
Naphthalene  
Concen: 38.525 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.3  | 9.3   | 13.9  |
| 127     | 13.2  | 10.8  | 16.2  |

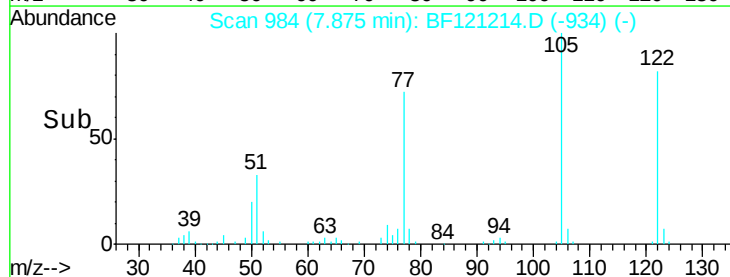
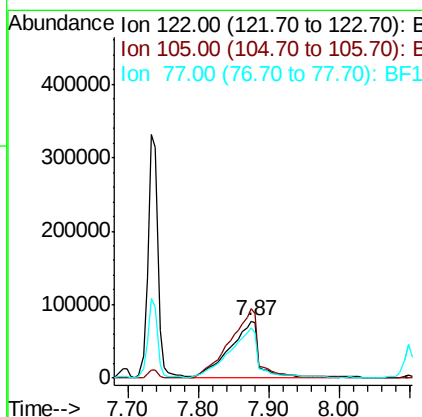
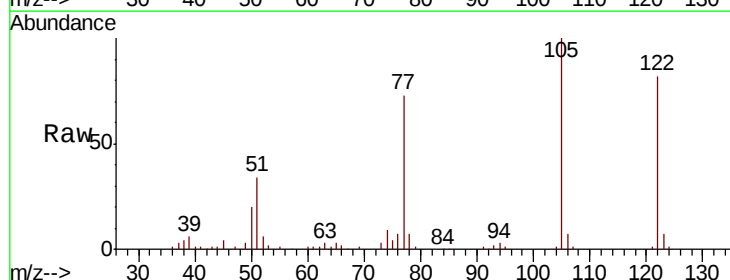
Manual Integrations  
APPROVED

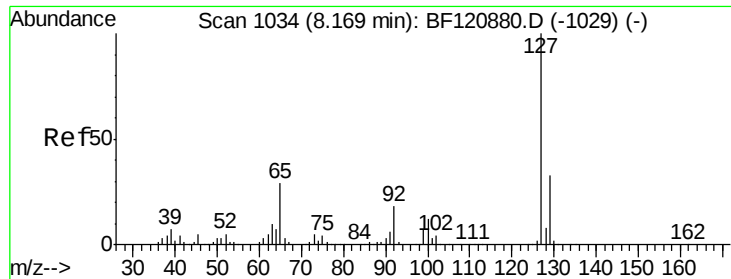
mohammad  
8/7/2020 1:51:07 PM



#32  
Benzoic acid  
Concen: 39.117 ng  
RT: 7.87 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 121.5 | 100.9 | 140.9 |
| 77      | 89.2  | 67.8  | 107.8 |





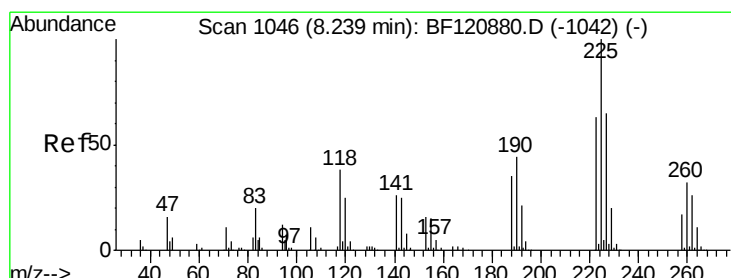
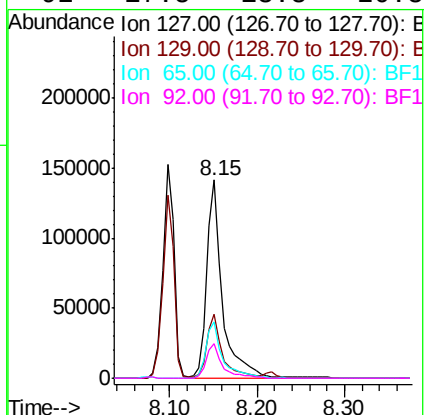
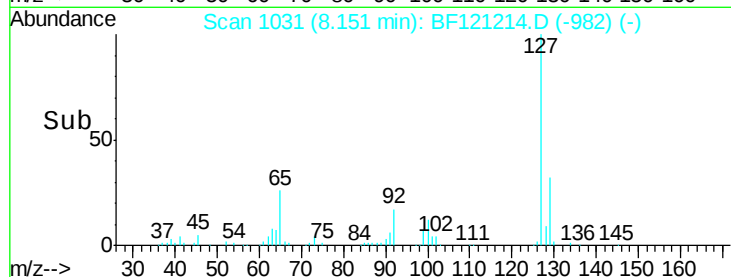
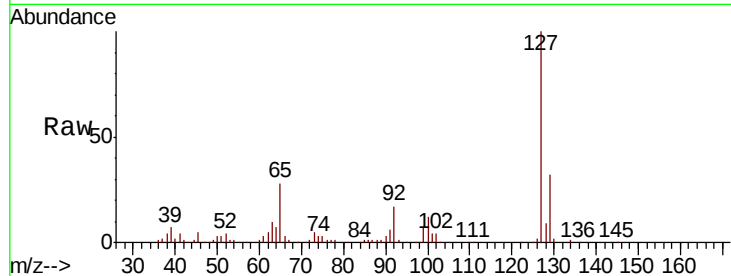
#33  
4-Chloroaniline  
Concen: 14.707 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 127     | 100   | 176024 |       |       |
| 129     | 32.4  | 26.2   | 39.2  |       |
| 65      | 28.3  | 21.4   | 32.0  |       |
| 92      | 17.5  | 13.8   | 20.8  |       |

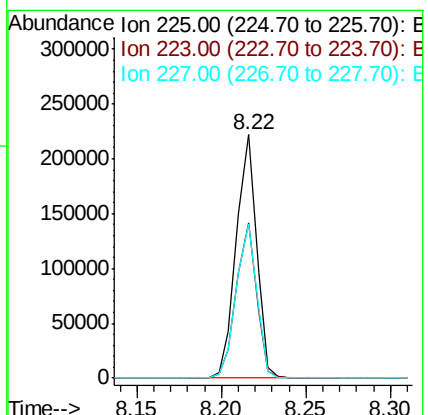
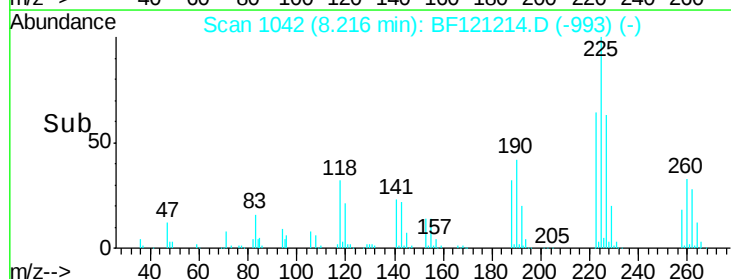
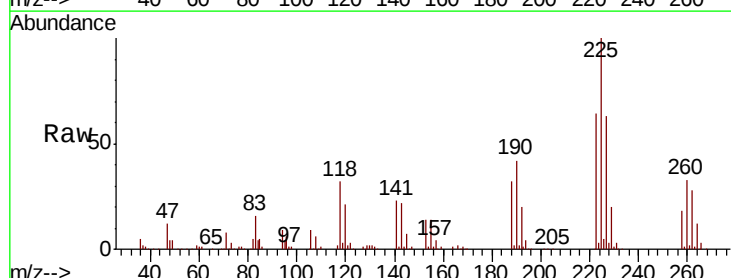
Manual Integrations  
APPROVED

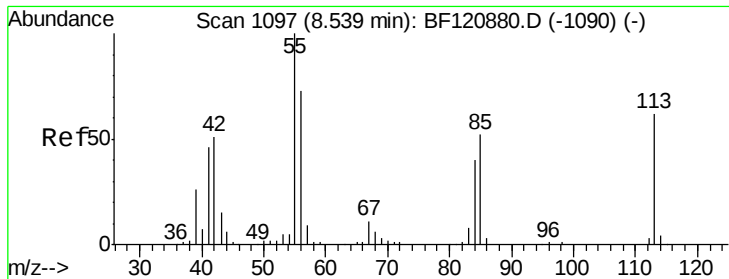
mohammad  
8/7/2020 1:51:07 PM



#34  
Hexachlorobutadiene  
Concen: 37.263 ng  
RT: 8.22 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 187094 |       |       |
| 223     | 63.7  | 49.7   | 74.5  |       |
| 227     | 63.4  | 51.4   | 77.0  |       |





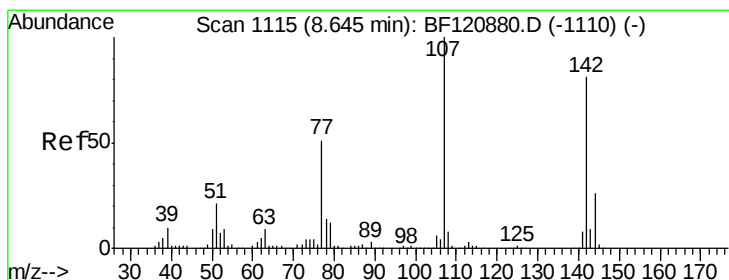
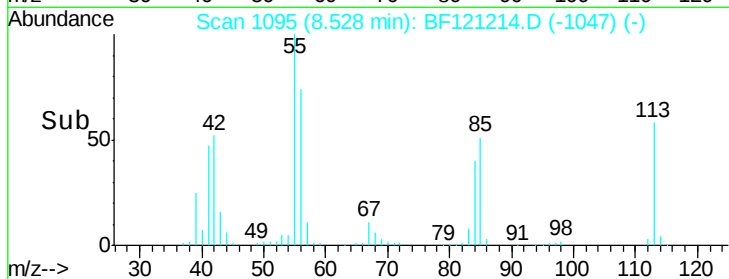
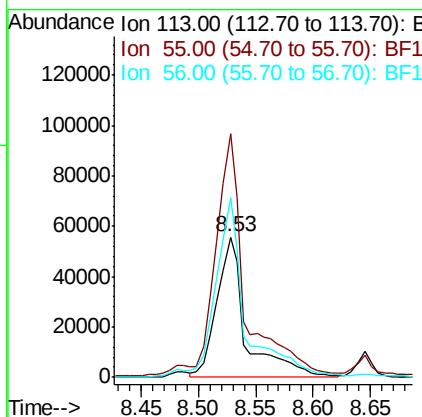
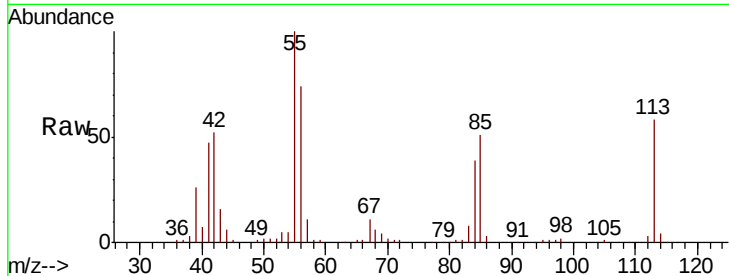
#35  
 Caprolactam  
 Concen: 40.309 ng/ml  
 RT: 8.53 min Scan# 1095  
 Delta R.T. -0.02 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleID :  
 8/5-A-EMS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 113     | 100   |       | 99234  |       |       |
| 55      | 173.6 | 131.0 | 171.0# |       |       |
| 56      | 127.8 | 90.4  | 130.4  |       |       |

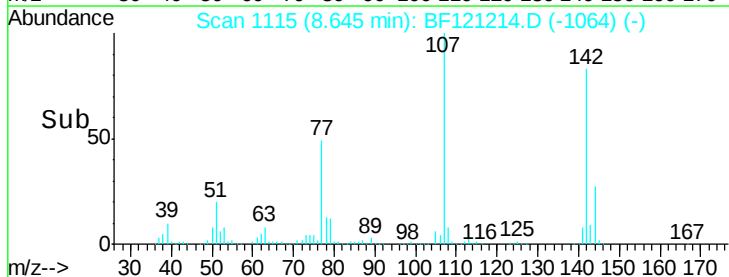
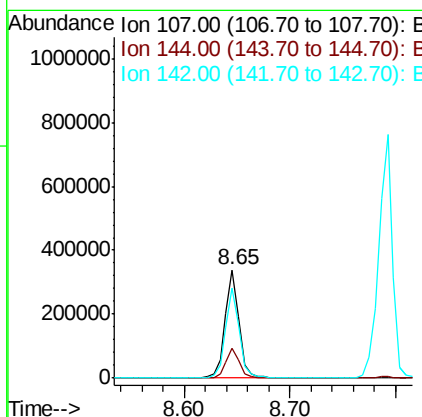
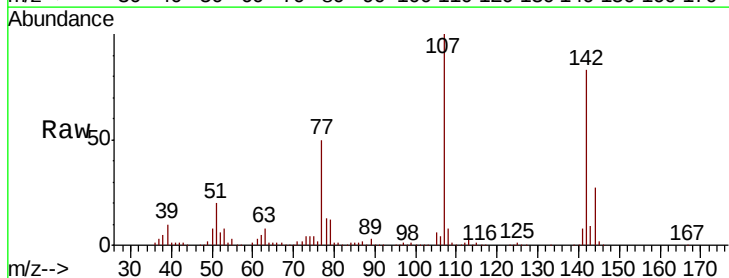
Manual Integrations  
 APPROVED

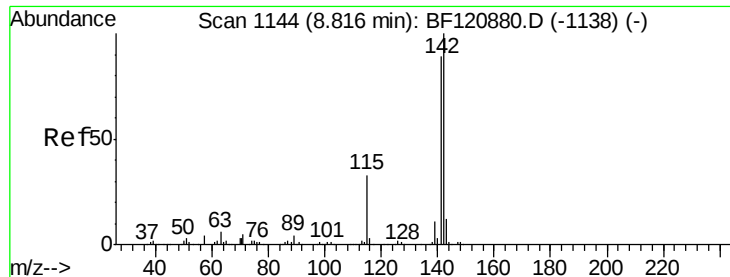
mohammad  
 8/7/2020 1:51:07 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.827 ng/ml  
 RT: 8.65 min Scan# 1115  
 Delta R.T. 0.00 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 313575 |       |       |
| 144     | 27.2 | 20.9  | 31.3   |       |       |
| 142     | 82.6 | 64.5  | 96.7   |       |       |





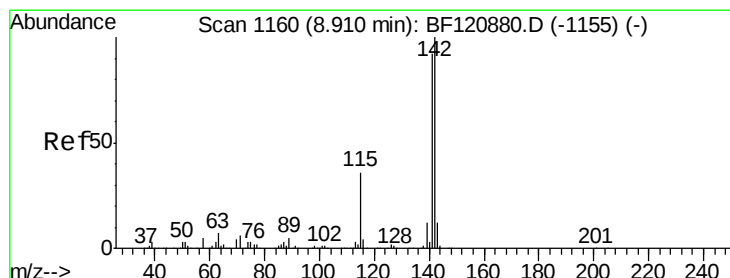
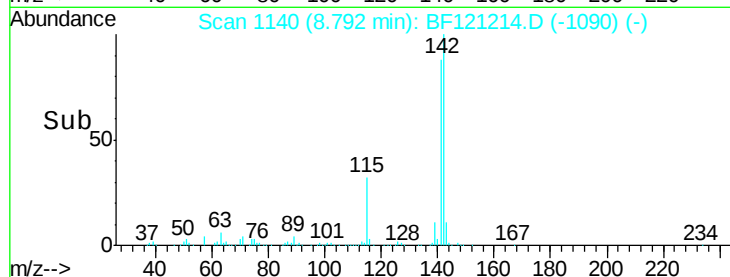
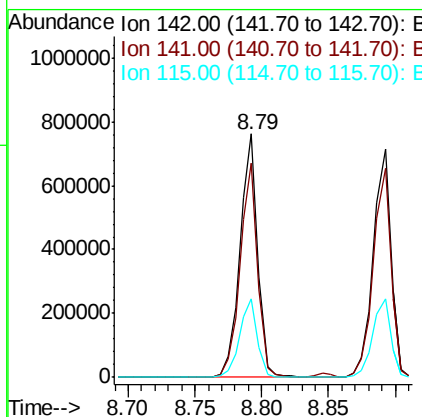
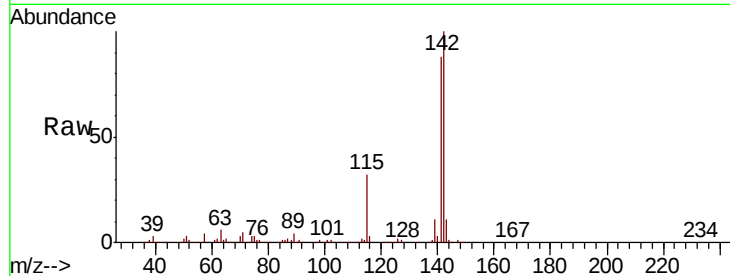
#37  
2-Methylnaphthalene  
Concen: 40.333 ng  
RT: 8.79 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.0  | 70.6  | 105.8 |
| 115     | 32.4  | 27.1  | 40.7  |

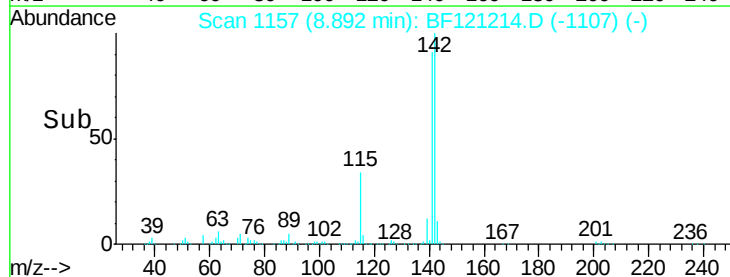
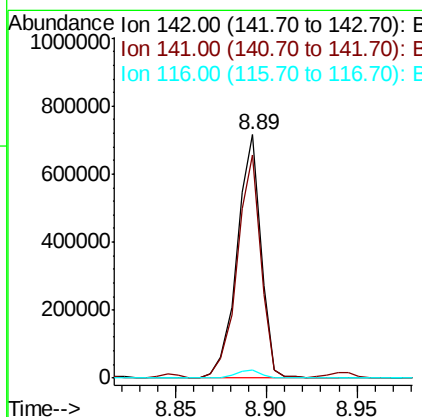
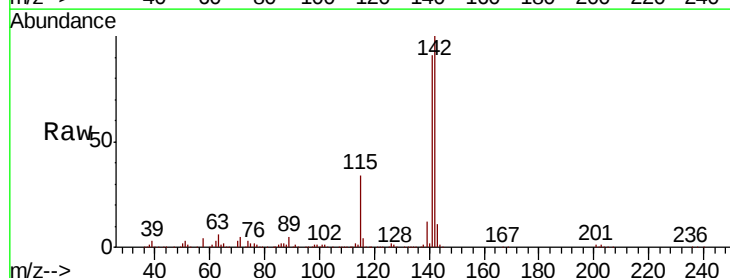
Manual Integrations  
APPROVED

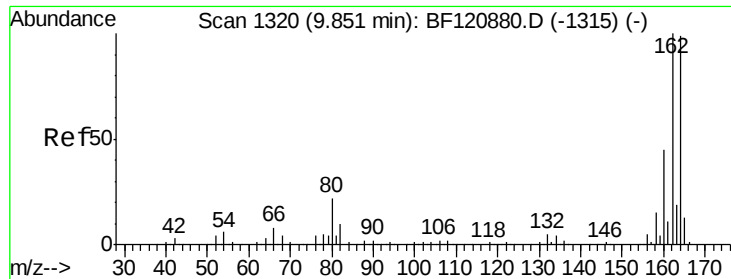
mohammad  
8/7/2020 1:51:07 PM



#38  
1-Methylnaphthalene  
Concen: 39.589 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.4  | 73.0  | 109.6 |
| 116     | 3.6   | 3.0   | 4.6   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

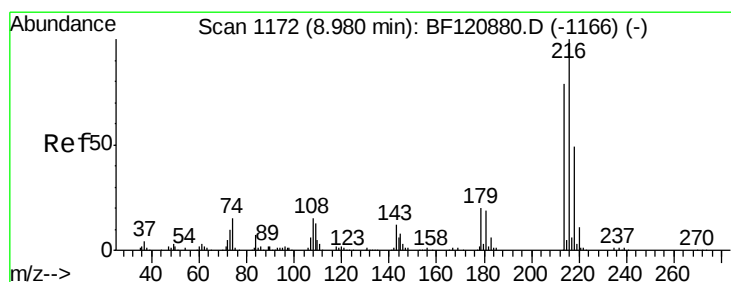
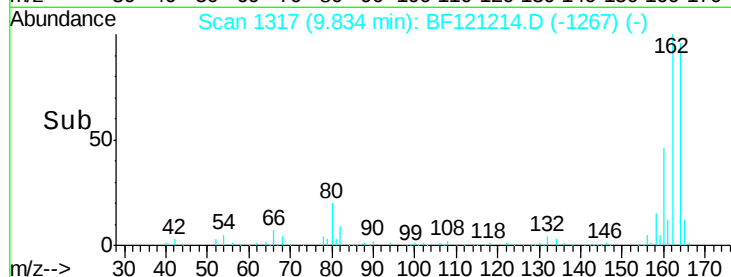
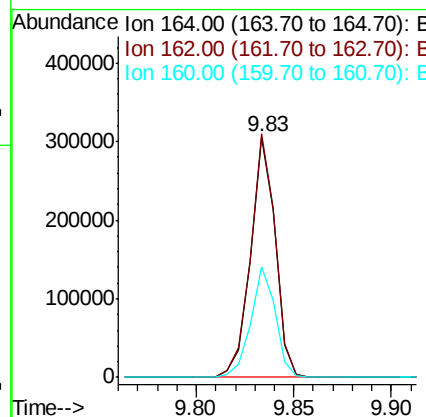
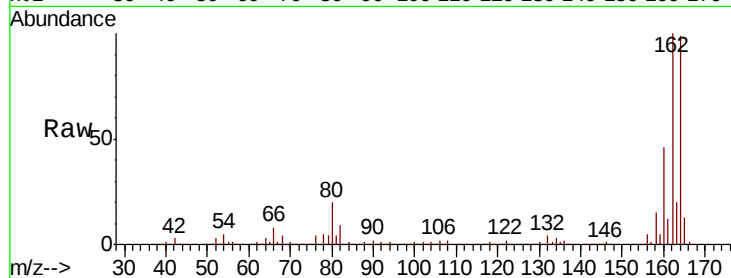
ClientSampleId :

8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 267367 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.3 | 82.2  | 123.2  |
| 160       | 46.1  | 37.2  | 55.8   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.369 ng

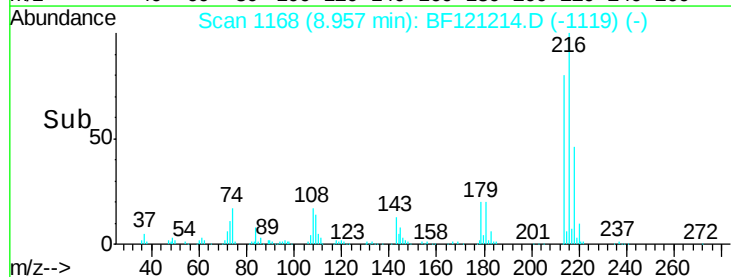
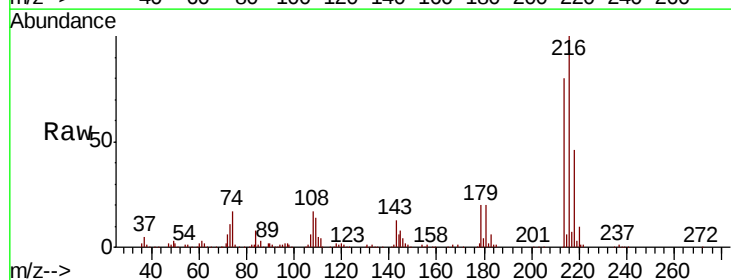
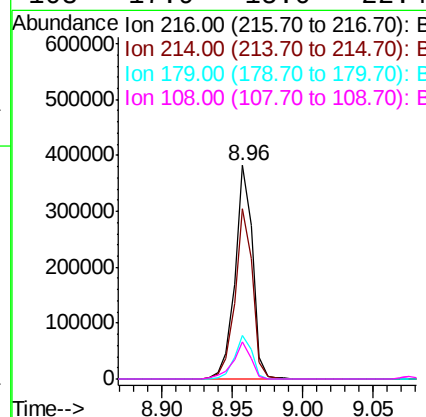
RT: 8.96 min Scan# 1168

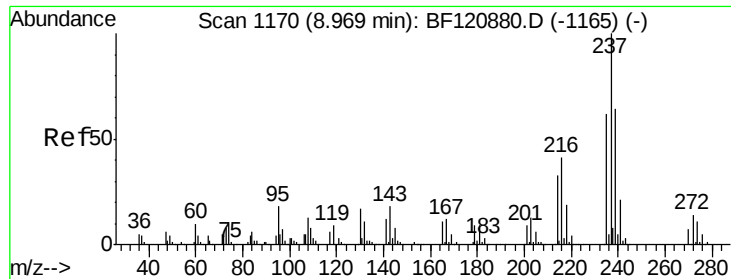
Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 330050 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.2  | 63.9  | 95.9   |
| 179       | 20.3  | 16.6  | 24.8   |
| 108       | 17.9  | 15.0  | 22.4   |





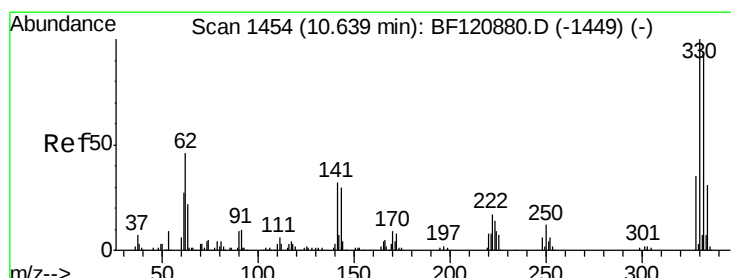
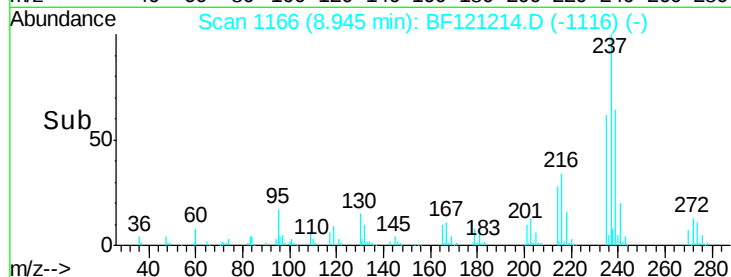
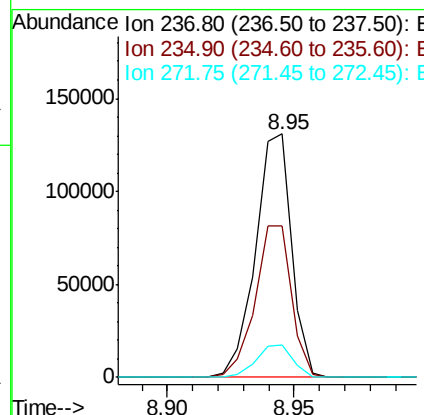
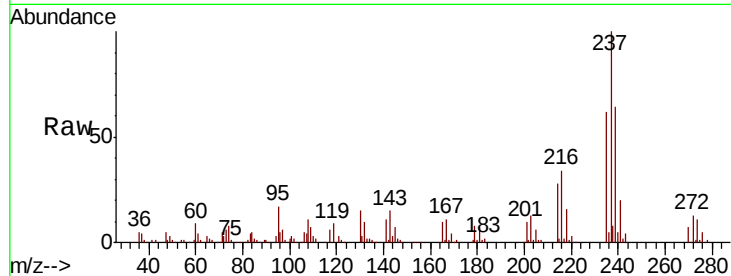
#41  
Hexachlorocyclopentadiene  
Concen: 30.128 ng  
RT: 8.95 min Scan# 1166  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 62.3  | 43.2       | 83.2  |
| 272     | 13.4  | 0.0        | 33.6  |

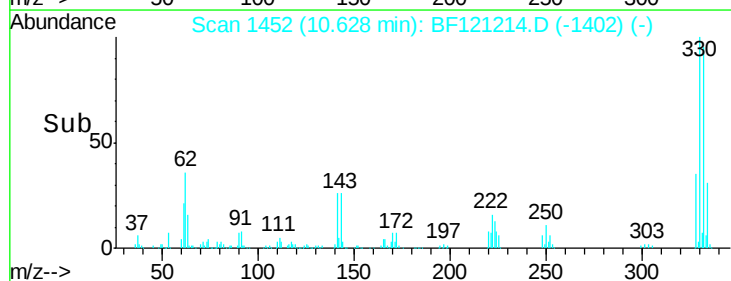
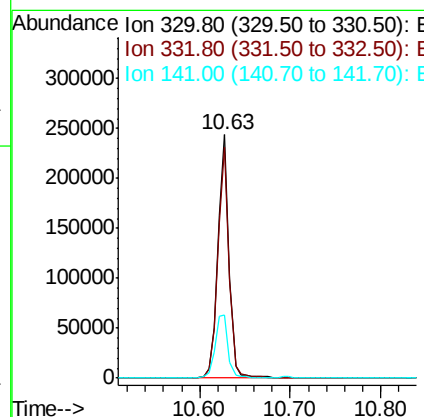
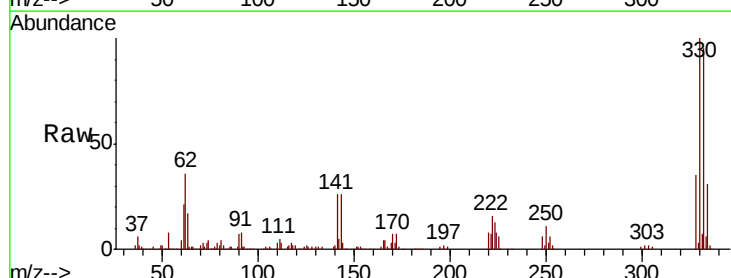
Manual Integrations  
APPROVED

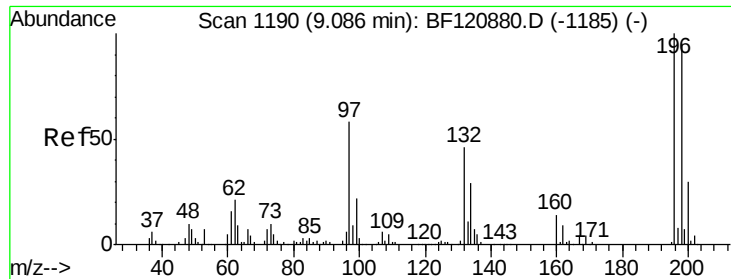
mohammad  
8/7/2020 1:51:07 PM



#42  
2,4,6-Tribromophenol  
Concen: 72.502 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.3  | 76.1       | 114.1 |
| 141     | 30.7  | 24.1       | 36.1  |





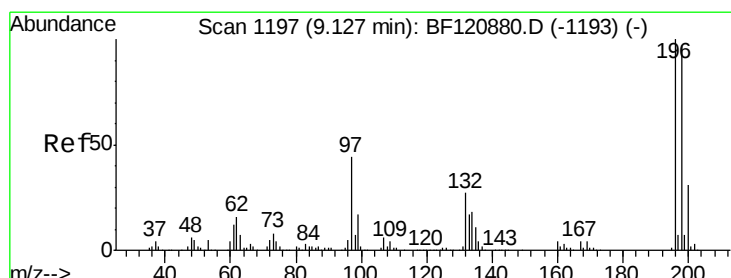
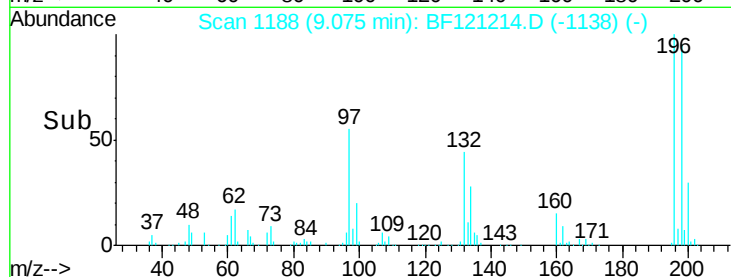
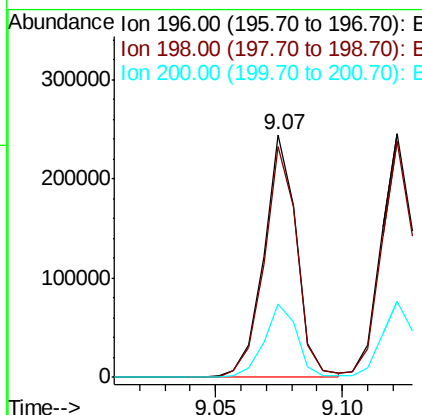
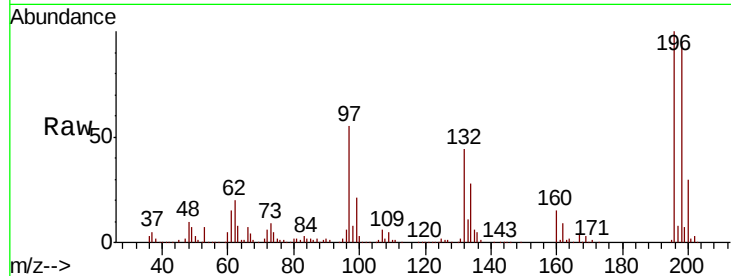
#43  
 2,4,6-Trichlorophenol  
 Concen: 40.200 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 220490 |       |       |
| 198     | 95.0  | 77.5   | 116.3 |       |
| 200     | 30.0  | 24.6   | 37.0  |       |

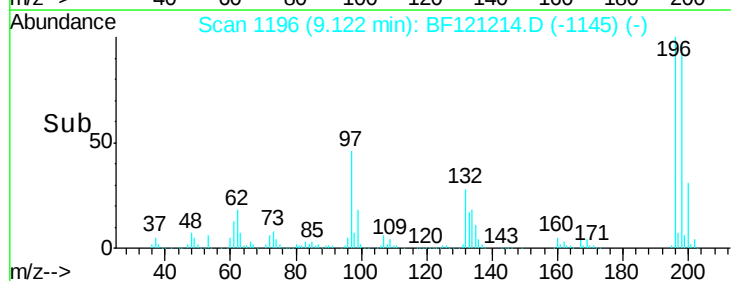
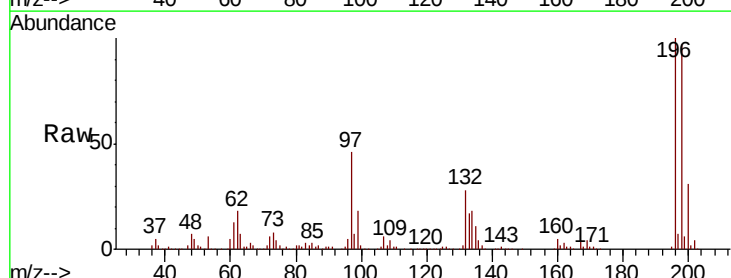
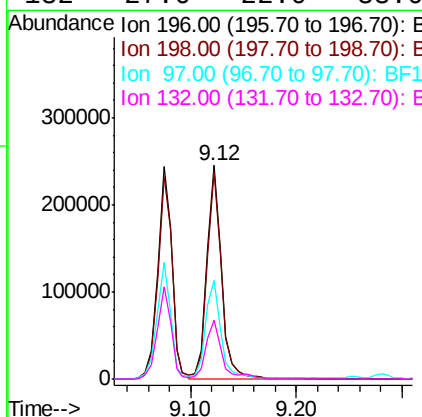
Manual Integrations  
 APPROVED

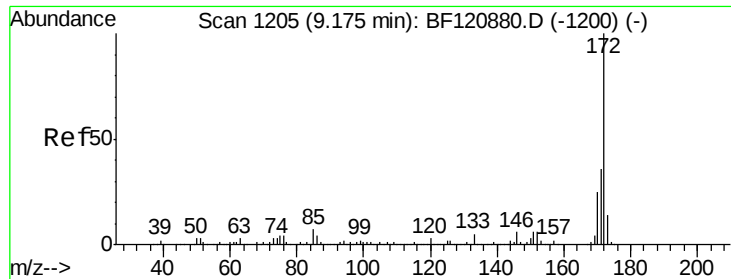
mohammad  
 8/7/2020 1:51:07 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 38.314 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.00 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 238377 |       |       |
| 198     | 97.2  | 76.2   | 114.4 |       |
| 97      | 46.3  | 37.3   | 55.9  |       |
| 132     | 27.6  | 22.0   | 33.0  |       |





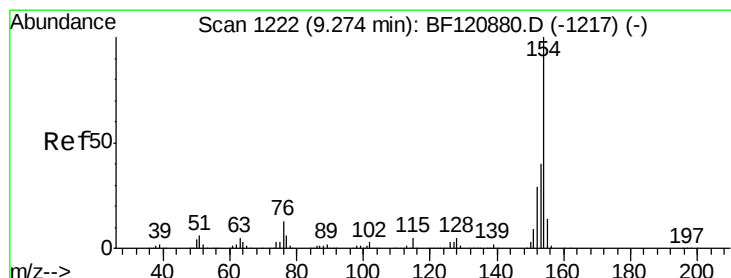
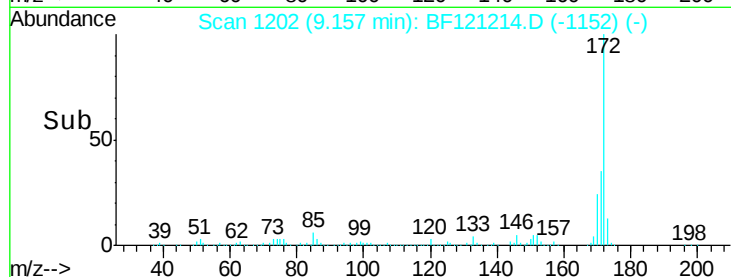
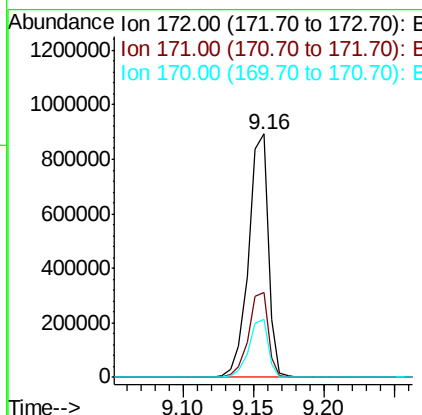
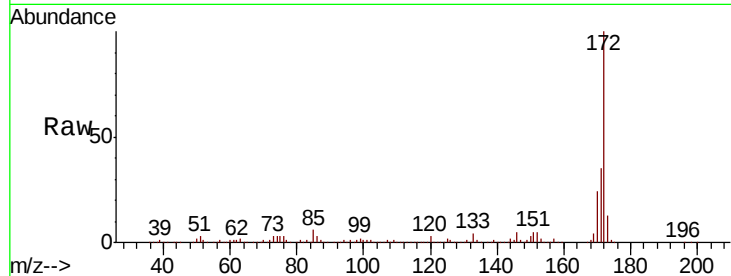
#45  
 2-Fluorobiphenyl  
 Concen: 48.910 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.1  | 29.0 | 43.4  |       |
| 170     | 23.8  | 19.6 | 29.4  |       |

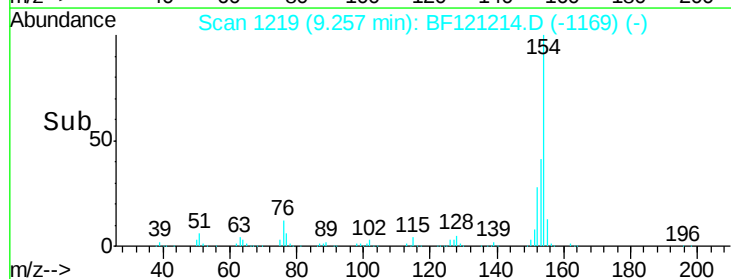
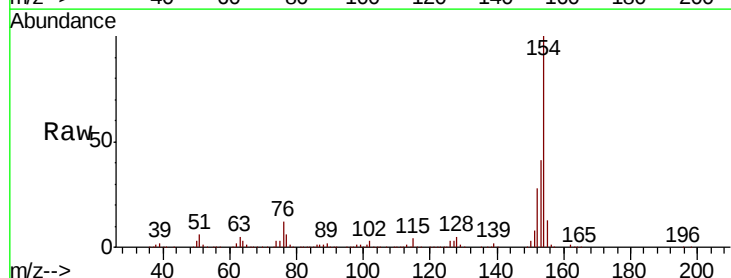
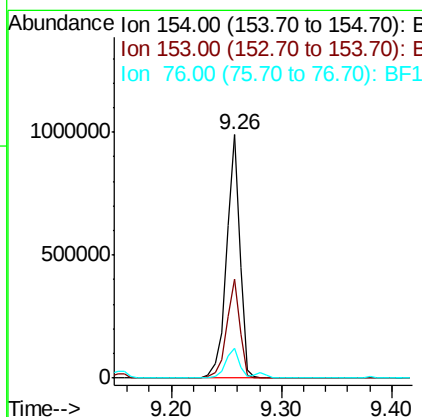
Manual Integrations  
 APPROVED

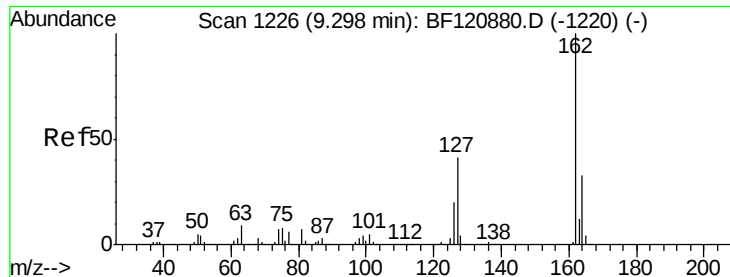
mohammad  
 8/7/2020 1:51:07 PM



#46  
 1,1'-Biphenyl  
 Concen: 40.869 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 40.7  | 20.6 | 60.6  |       |
| 76      | 12.5  | 0.0  | 33.4  |       |





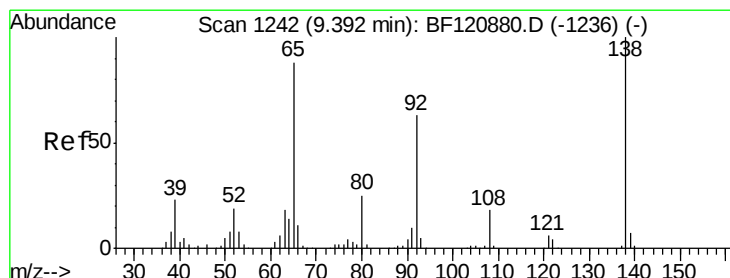
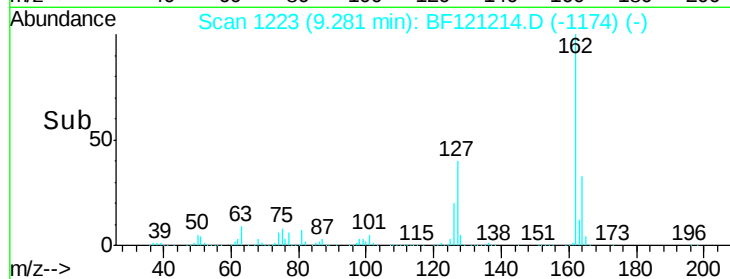
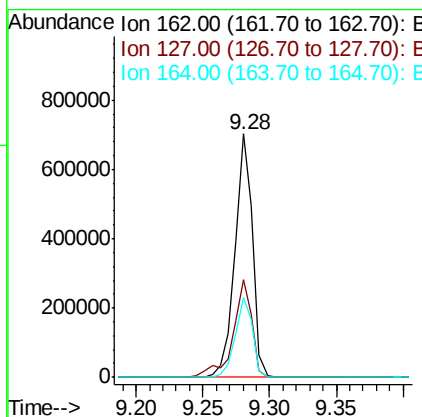
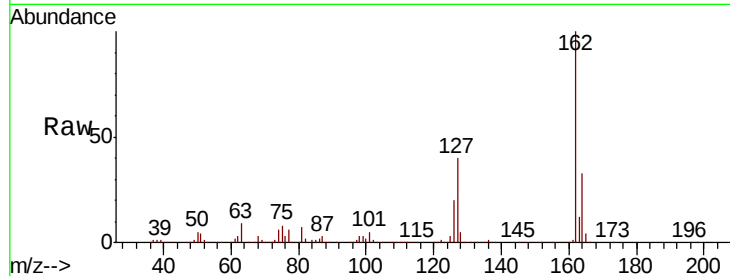
#47  
2-Chloronaphthalene  
Concen: 38.946 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 127     | 40.4  | 31.1       | 46.7  |
| 164     | 32.8  | 26.6       | 40.0  |

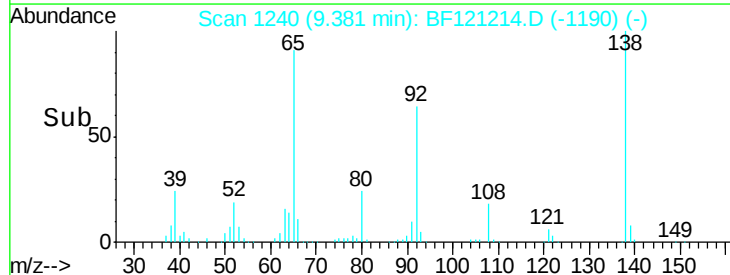
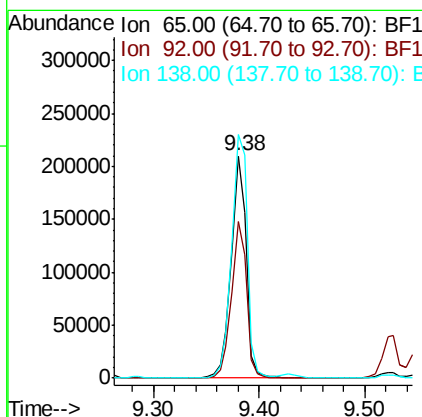
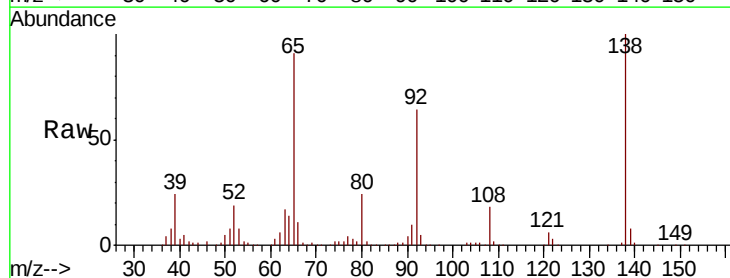
Manual Integrations  
APPROVED

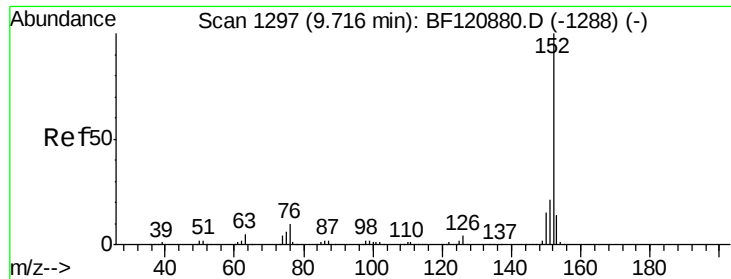
mohammad  
8/7/2020 1:51:07 PM



#48  
2-Nitroaniline  
Concen: 41.029 ng  
RT: 9.38 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 65      | 100   |            |       |
| 92      | 70.5  | 58.0       | 87.0  |
| 138     | 109.7 | 93.3       | 139.9 |





#49

Acenaphthylene

Concen: 39.757 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

ClientSampleId :

8/5-A-EMS

Tot Ion:152 Resp: 1026986

Ion Ratio Lower Upper

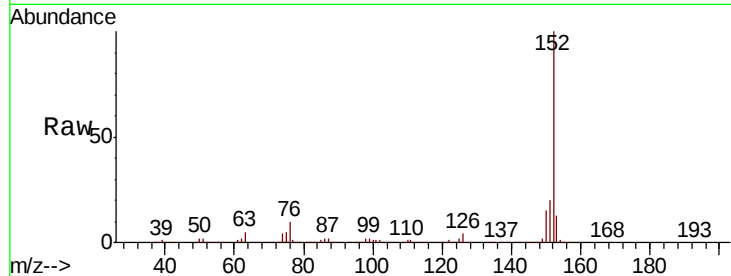
152 100

151 20.4 16.6 25.0

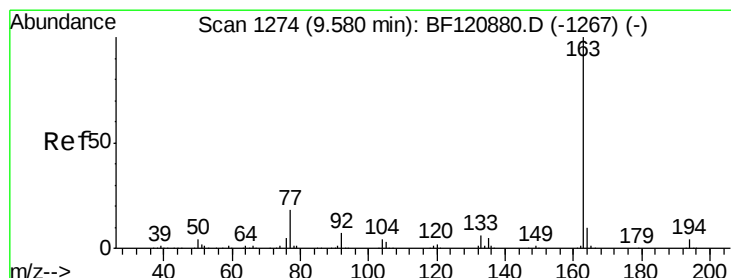
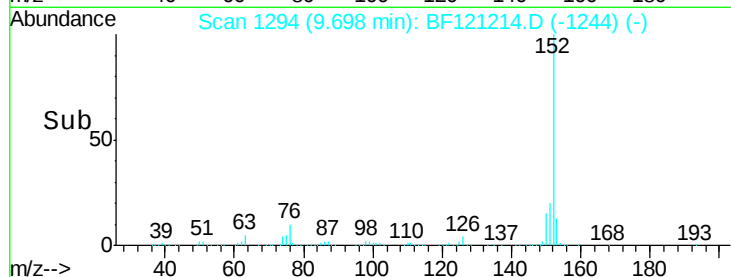
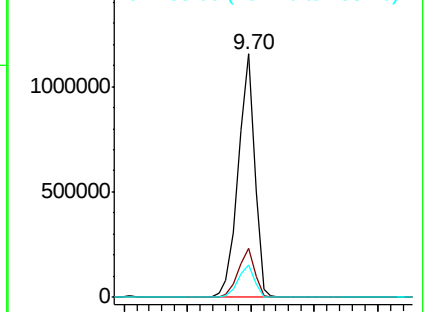
153 13.5 11.0 16.4

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.900 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

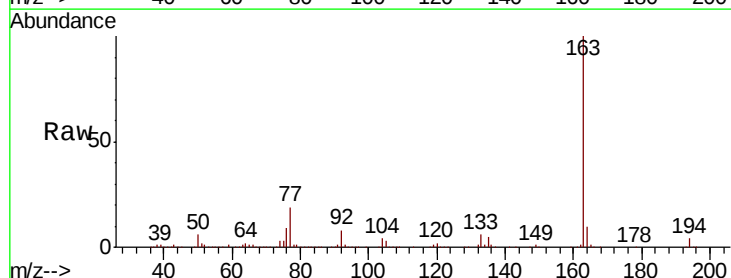
Tgt Ion:163 Resp: 866068

Ion Ratio Lower Upper

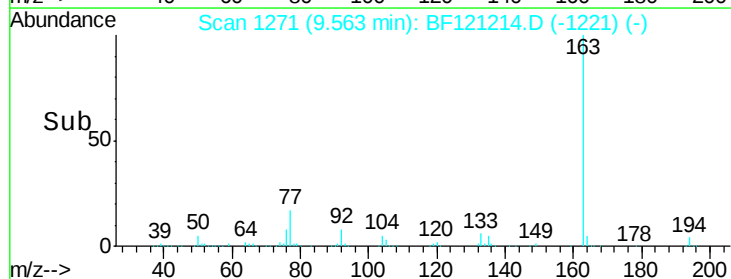
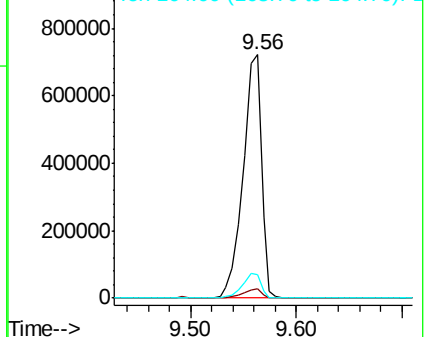
163 100

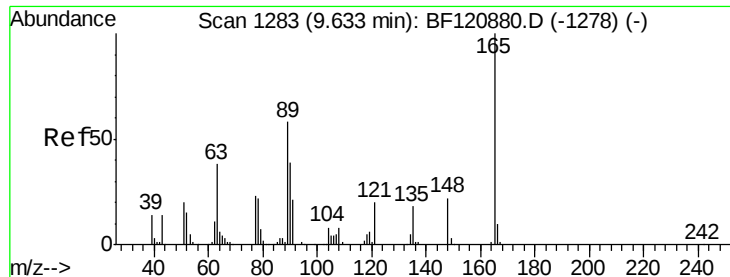
194 4.0 3.0 4.4

164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





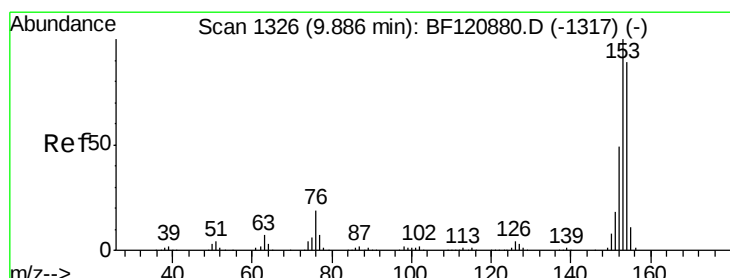
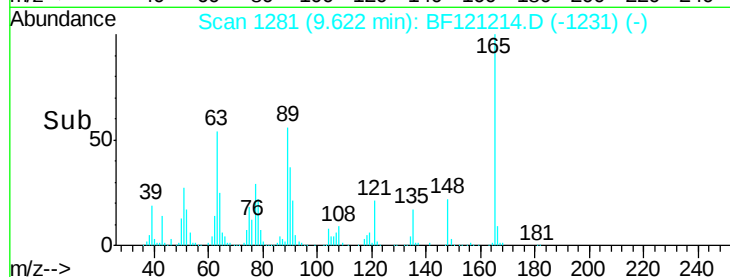
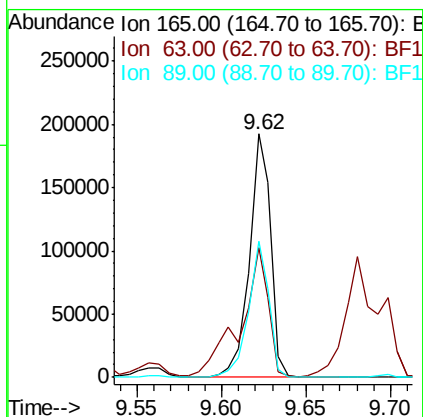
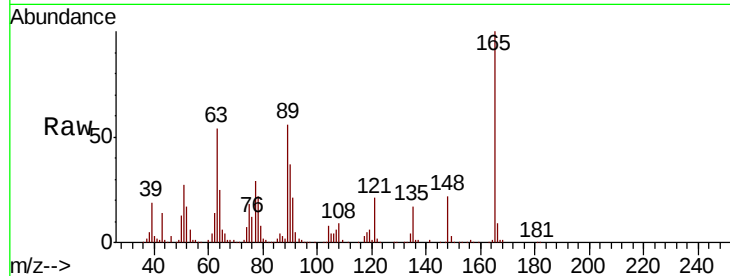
#51  
2,6-Dinitrotoluene  
Concen: 41.080 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 170238 |       |       |
| 63      | 53.5  | 41.1   | 61.7  |       |
| 89      | 55.9  | 43.5   | 65.3  |       |

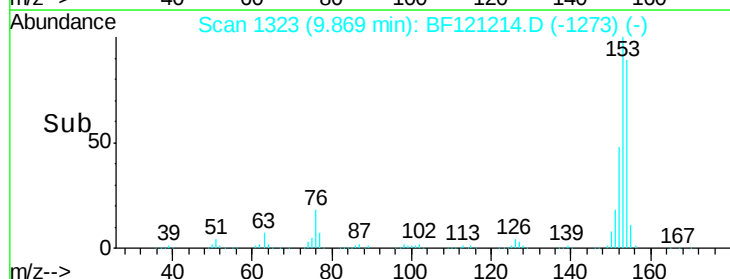
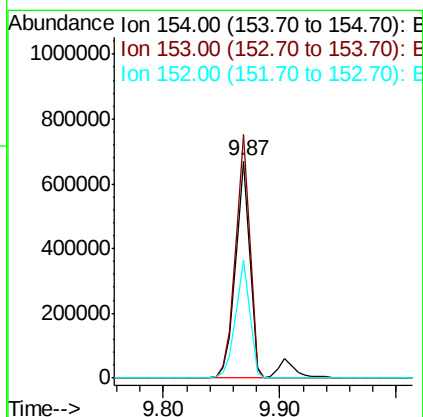
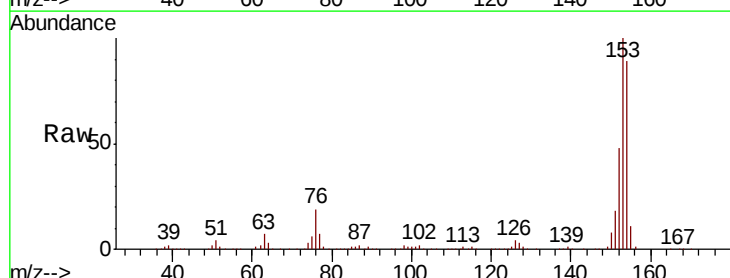
Manual Integrations  
APPROVED

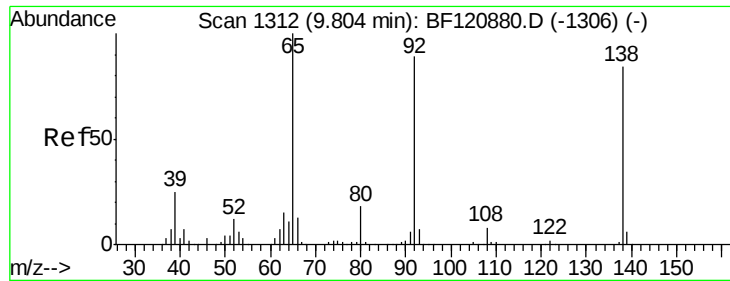
mohammad  
8/7/2020 1:51:07 PM



#52  
Acenaphthene  
Concen: 39.549 ng m  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 649512 |       |       |
| 153     | 112.0 | 89.6   | 134.4 |       |
| 152     | 54.3  | 43.8   | 65.6  |       |





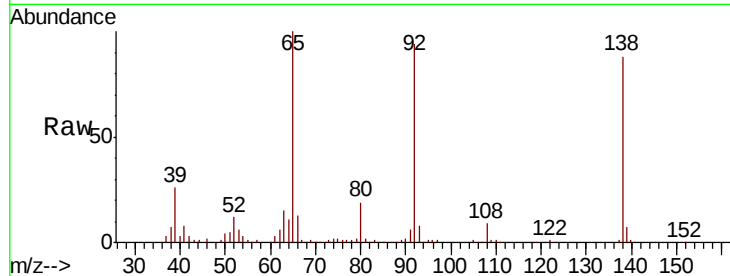
#53  
3-Nitroaniline  
Concen: 18.696 ng  
RT: 9.79 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

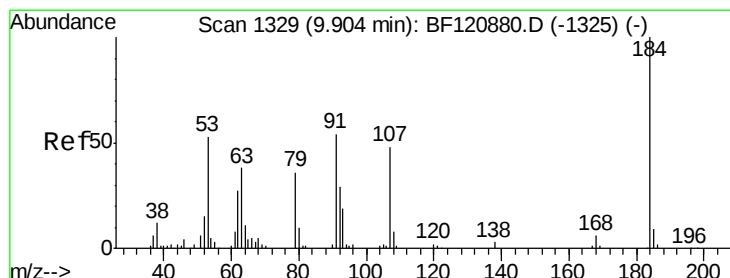
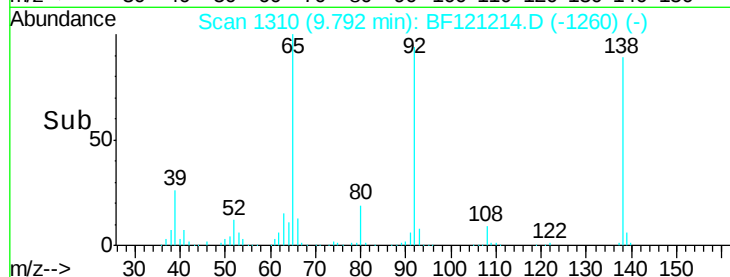
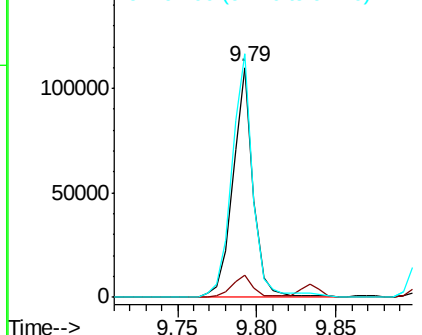
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.6   | 7.8   | 11.8  |
| 92      | 105.9 | 85.0  | 127.4 |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM

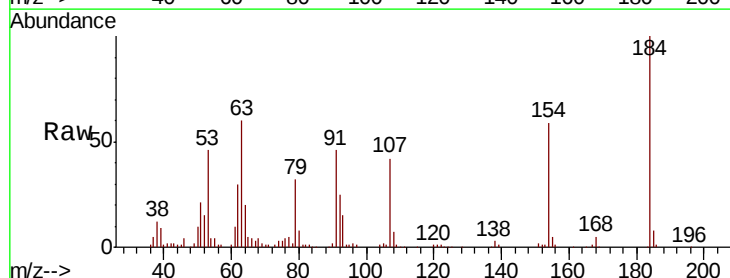


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

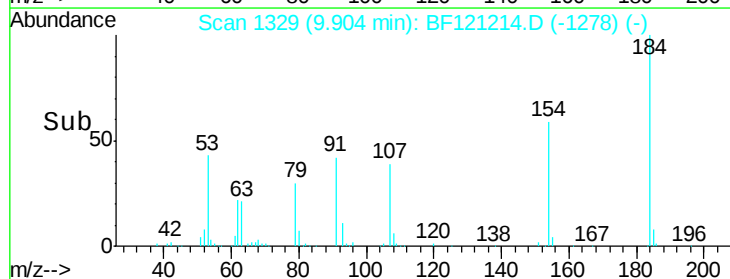
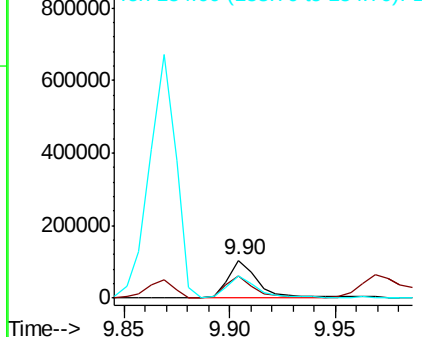


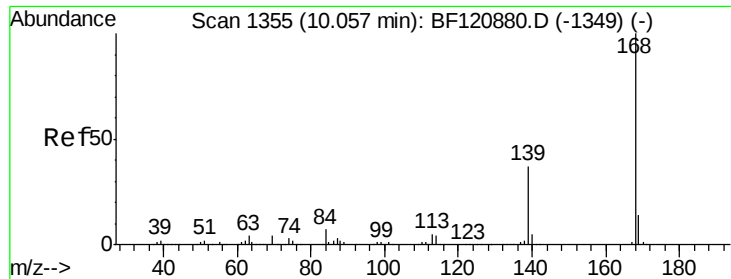
#54  
2,4-Dinitrophenol  
Concen: 45.269 ng  
RT: 9.90 min Scan# 1329  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 59.5  | 42.5  | 63.7  |
| 154     | 59.5  | 46.8  | 70.2  |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E





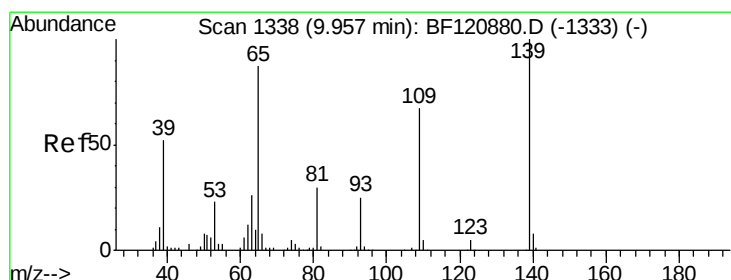
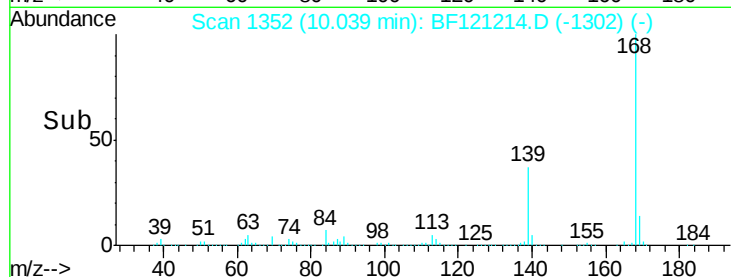
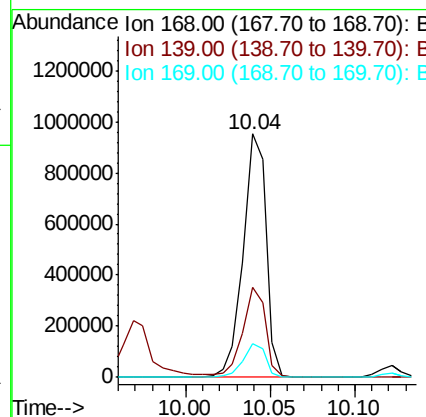
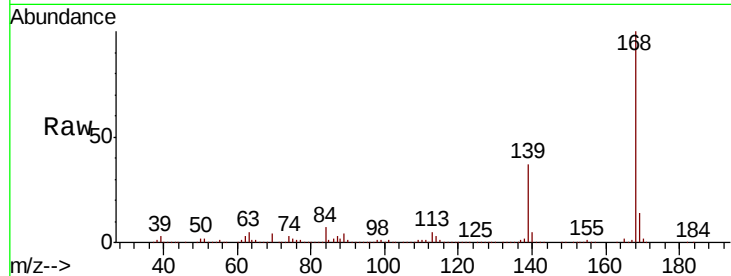
#55  
Dibenzenofuran  
Concen: 38.169 ng  
RT: 10.04 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.9  | 30.1  | 45.1  |
| 169     | 13.7  | 11.3  | 16.9  |

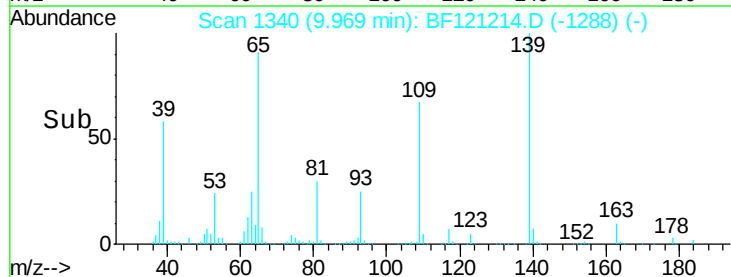
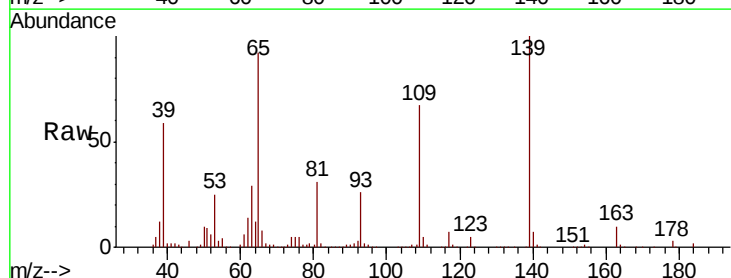
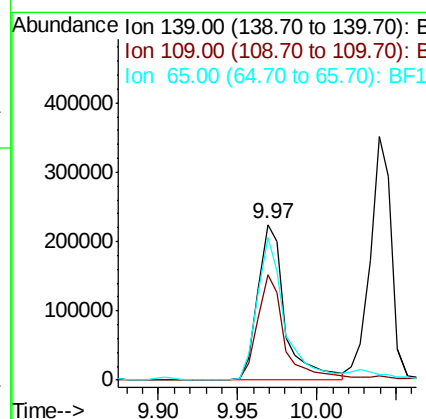
Manual Integrations  
APPROVED

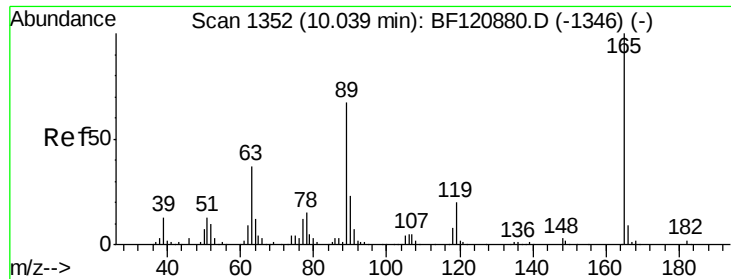
mohammad  
8/7/2020 1:51:07 PM



#56  
4-Nitrophenol  
Concen: 68.577 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 67.4  | 44.8  | 84.8  |
| 65      | 91.6  | 65.6  | 105.6 |





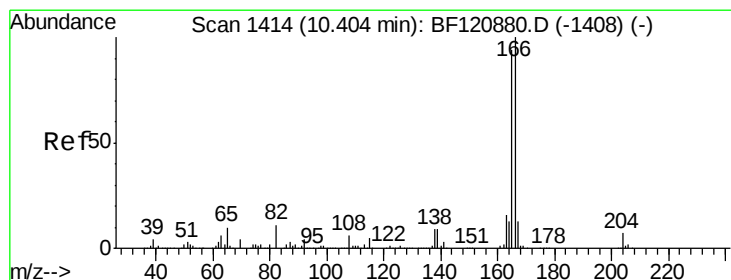
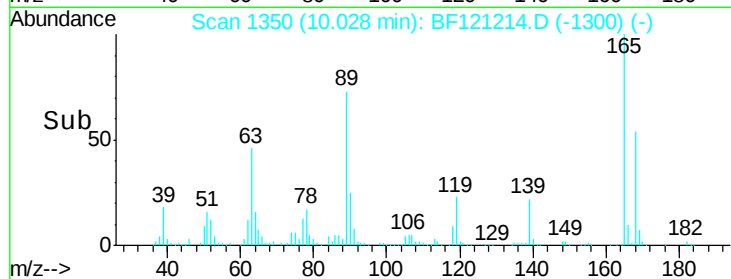
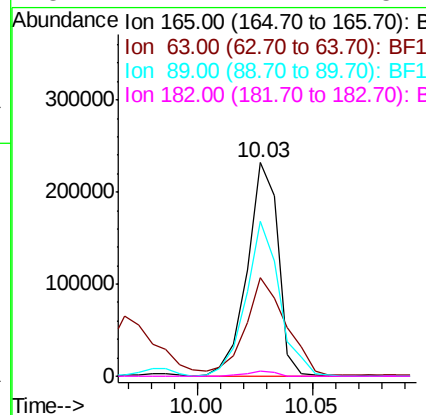
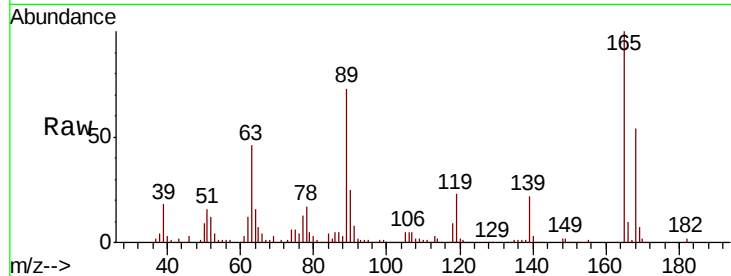
#57  
2,4-Dinitrotoluene  
Concen: 39.860 ng  
RT: 10.03 min Scan# 1350  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 46.3  | 29.8       | 44.8# |
| 89      | 72.7  | 50.3       | 75.5  |
| 182     | 2.4   | 2.1        | 3.1   |

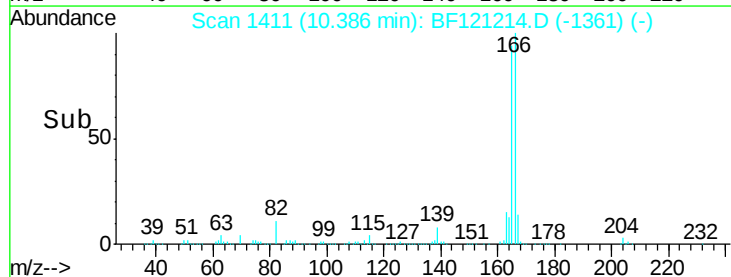
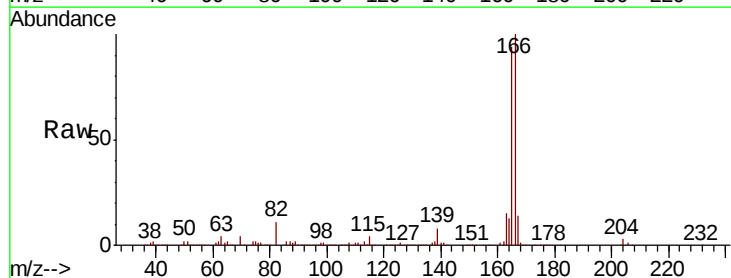
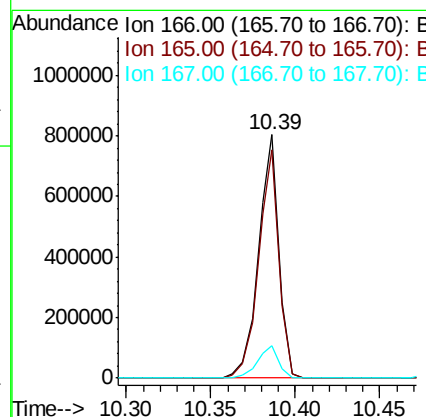
Manual Integrations  
APPROVED

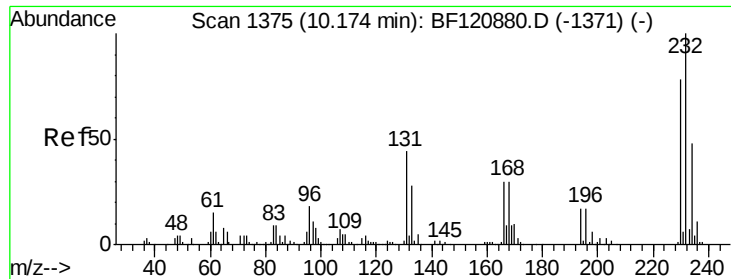
mohammad  
8/7/2020 1:51:07 PM



#58  
Fluorene  
Concen: 38.209 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 166     | 100   |            |       |
| 165     | 93.6  | 76.4       | 114.6 |
| 167     | 13.5  | 10.7       | 16.1  |





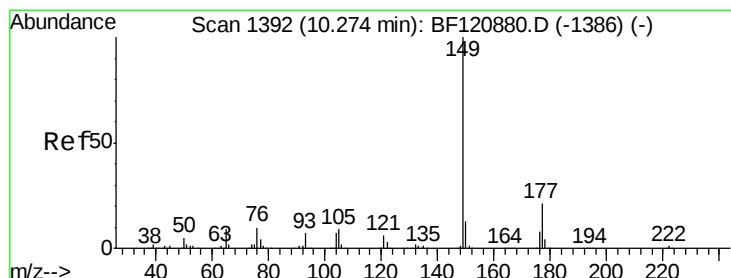
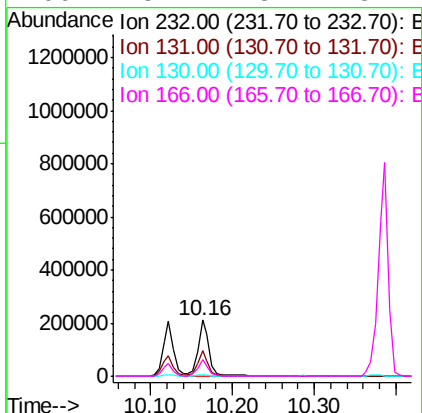
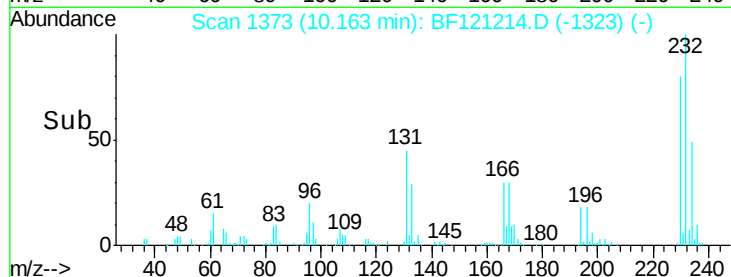
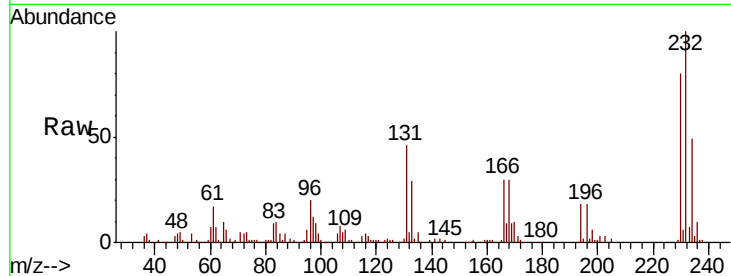
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.900 ng  
RT: 10.16 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 42.3  | 34.2  | 51.2  |
| 130     | 2.1   | 1.7   | 2.5   |
| 166     | 28.2  | 23.1  | 34.7  |

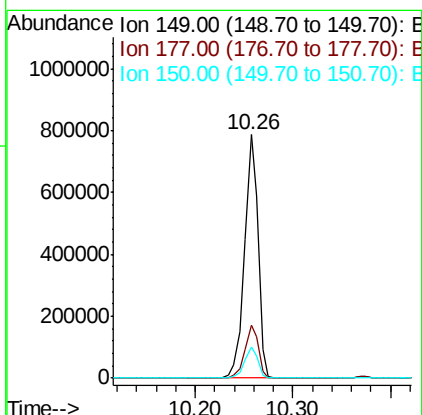
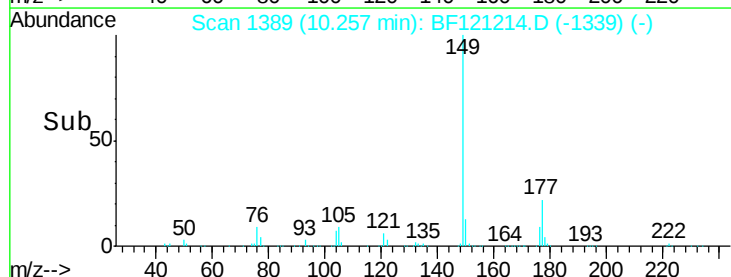
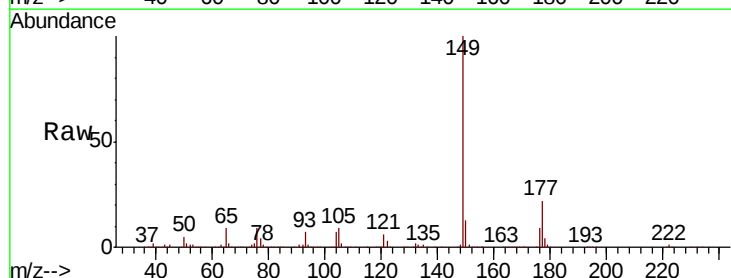
Manual Integrations  
APPROVED

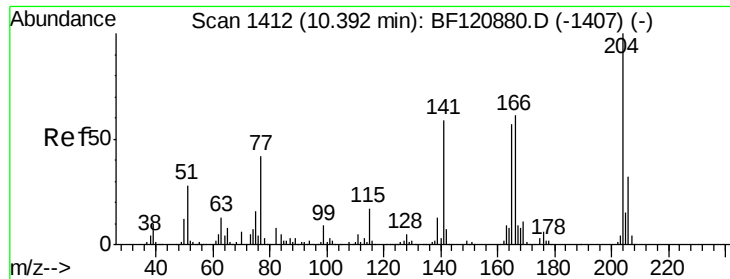
mohammad  
8/7/2020 1:51:07 PM



#60  
Diethylphthalate  
Concen: 38.582 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.6  | 17.6  | 26.4  |
| 150     | 12.9  | 10.2  | 15.4  |





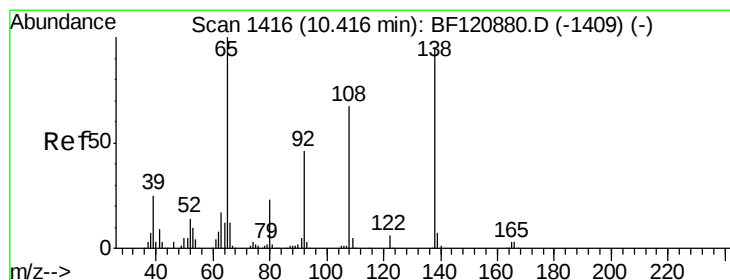
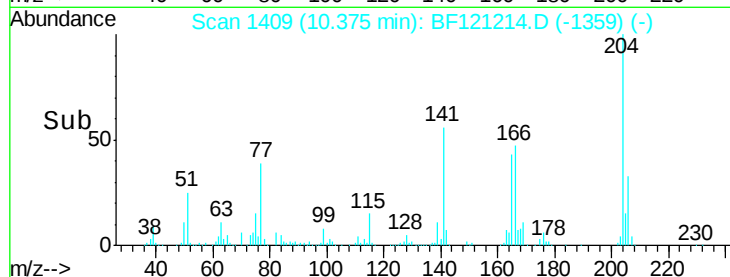
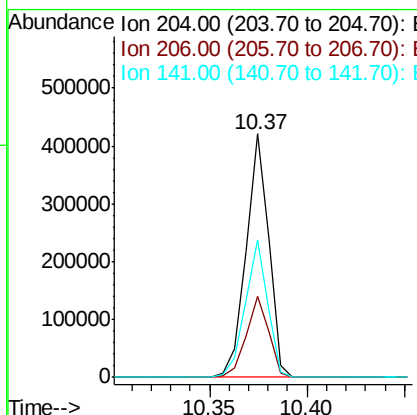
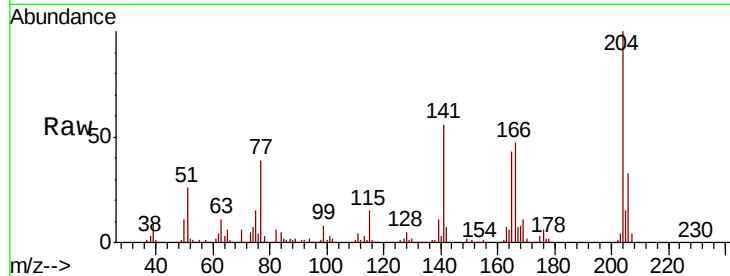
#61  
 4-Chlorophenyl-phenylether  
 Concen: 35.794 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 338164 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.3  | 26.0  | 39.0   |
| 141       | 56.3  | 46.9  | 70.3   |

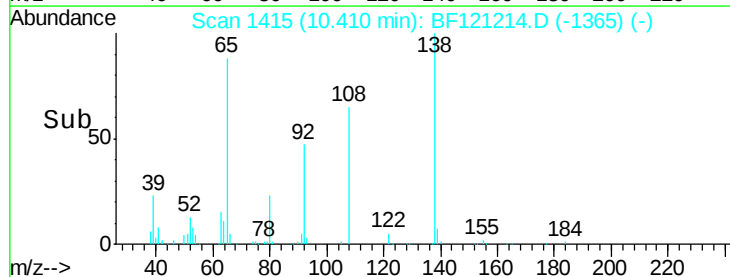
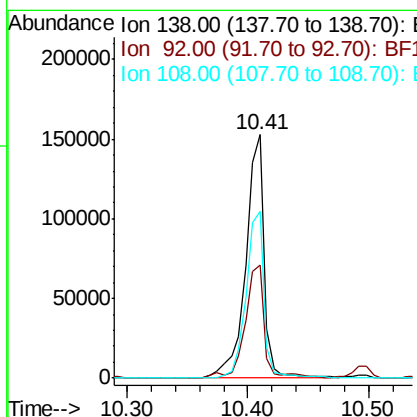
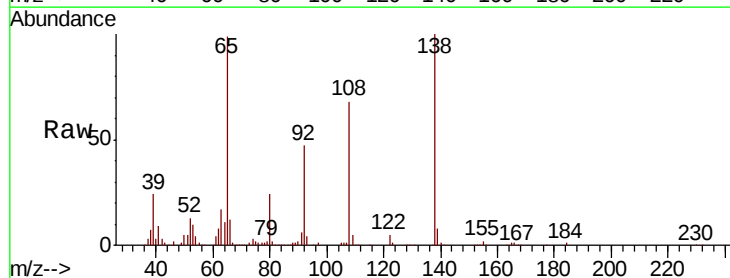
Manual Integrations  
 APPROVED

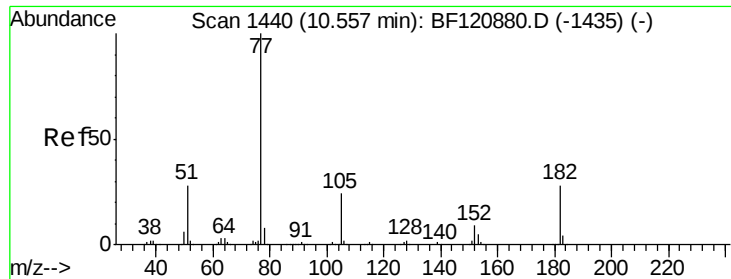
mohammad  
 8/7/2020 1:51:07 PM



#62  
 4-Nitroaniline  
 Concen: 32.337 ng  
 RT: 10.41 min Scan# 1415  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 163712 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 46.7  | 25.2  | 65.2   |
| 108       | 68.5  | 46.7  | 86.7   |





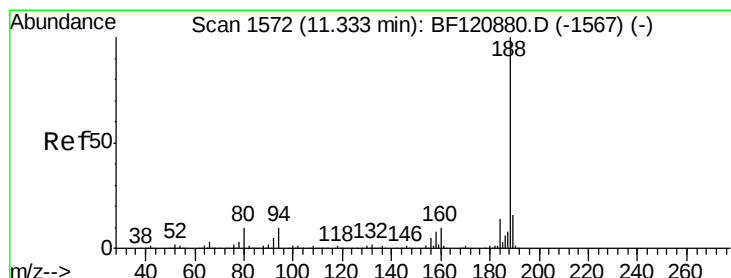
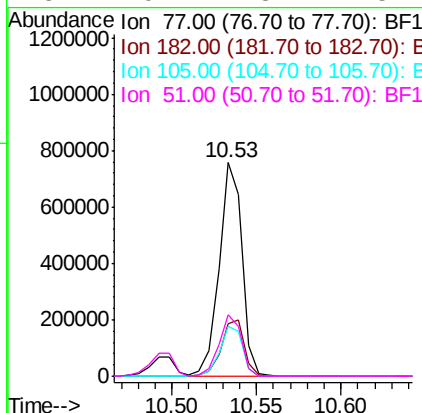
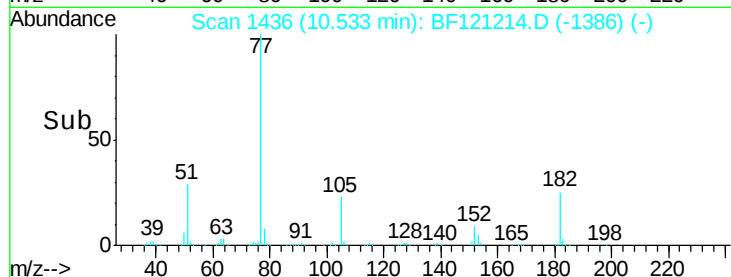
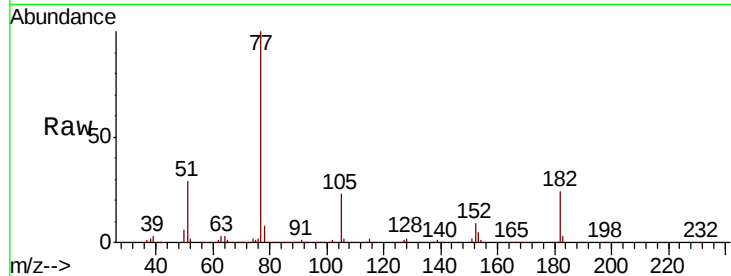
#63  
Azobenzene  
Concen: 38.205 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 709622 |       |       |
| 182     | 24.5  | 4.5    | 44.5  |       |
| 105     | 23.1  | 3.4    | 43.4  |       |
| 51      | 29.1  | 8.7    | 48.7  |       |

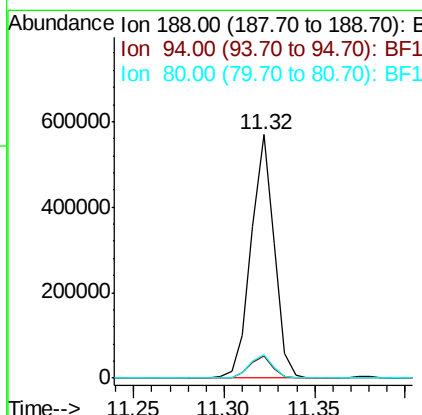
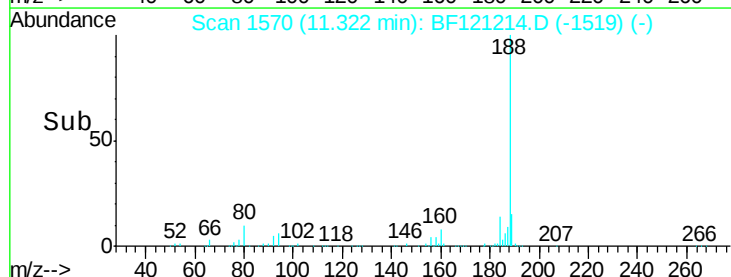
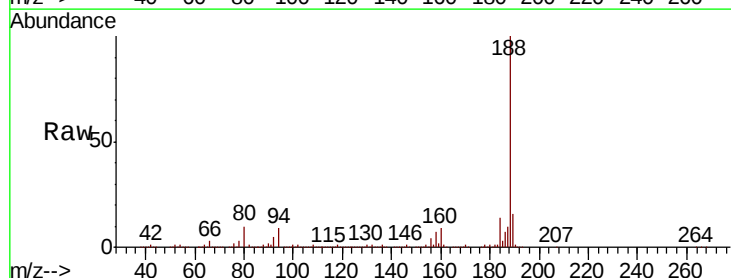
Manual Integrations  
APPROVED

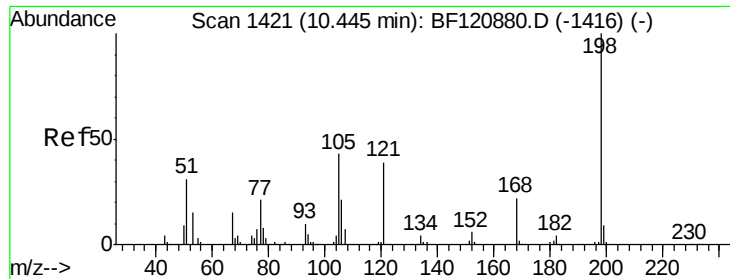
mohammad  
8/7/2020 1:51:07 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 504071 |       |       |
| 94      | 8.9   | 8.0    | 12.0  |       |
| 80      | 9.9   | 8.3    | 12.5  |       |





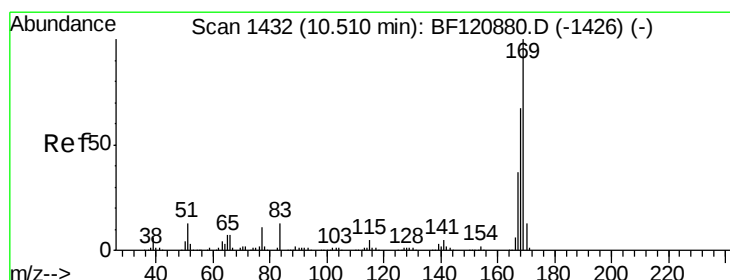
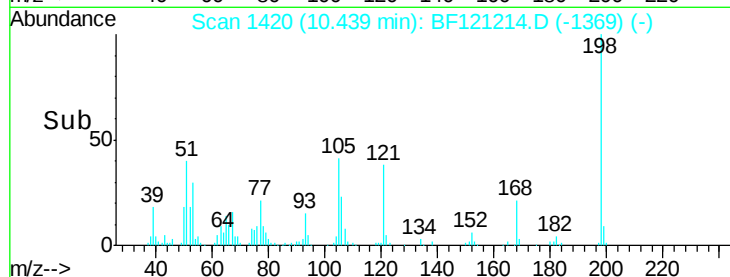
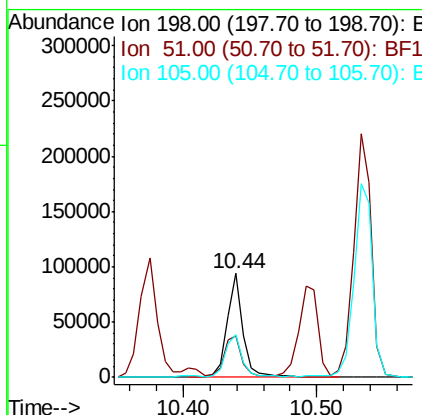
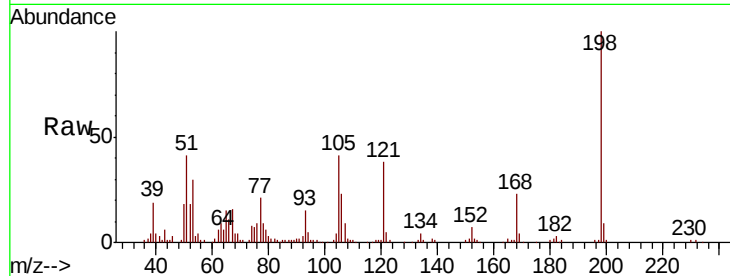
#65  
4,6-Dinitro-2-methylphenol  
Concen: 28.820 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 79208 |       |       |
| 51      | 40.5  |       | 23.4  | 63.4  |
| 105     | 40.8  |       | 23.7  | 63.7  |

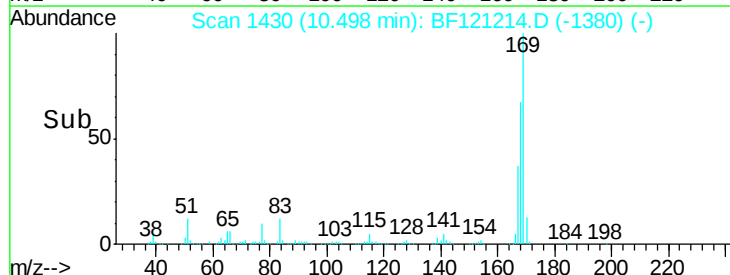
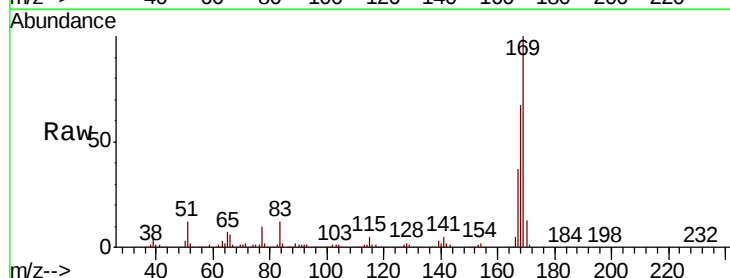
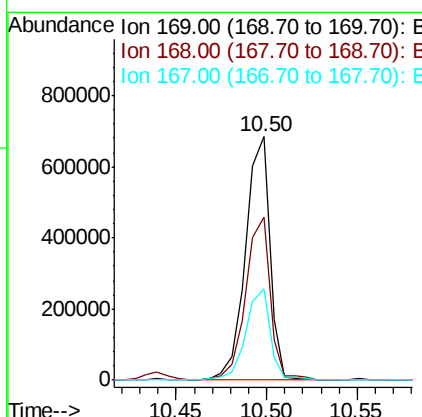
Manual Integrations  
APPROVED

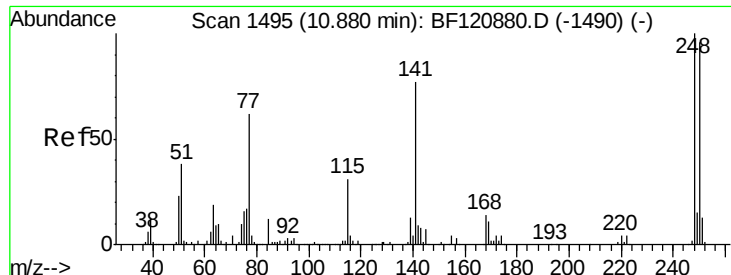
mohammad  
8/7/2020 1:51:07 PM



#66  
n-Nitrosodiphenylamine  
Concen: 40.345 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 639749 |       |       |
| 168     | 66.7  |        | 53.7  | 80.5  |
| 167     | 37.3  |        | 30.0  | 45.0  |





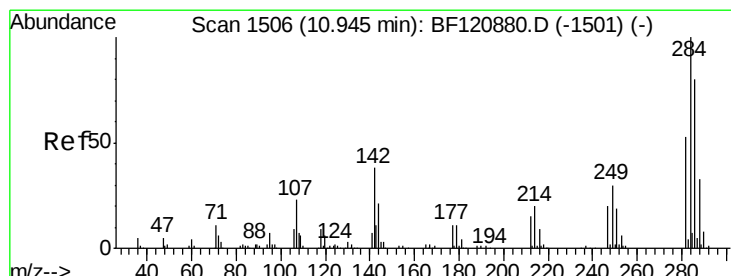
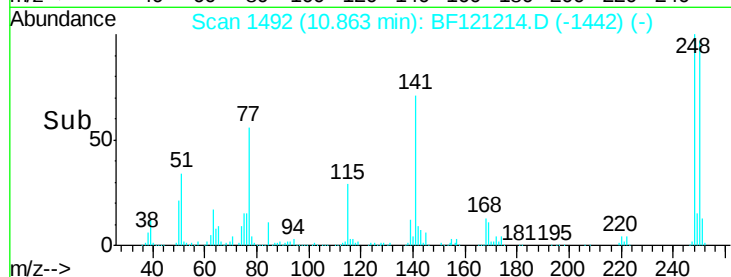
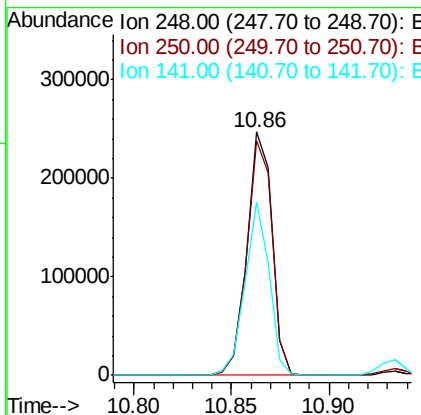
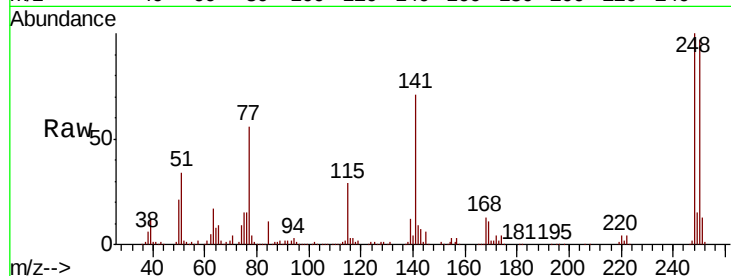
#67  
 4-Bromophenyl-phenylether  
 Concen: 39.318 ng  
 RT: 10.86 min Scan# 1492  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 220967 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.6  | 77.0  | 115.6  |
| 141       | 71.3  | 56.6  | 85.0   |

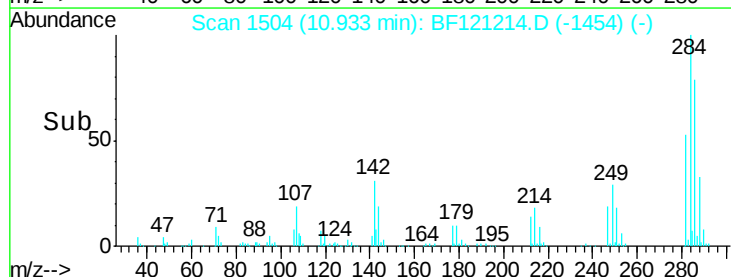
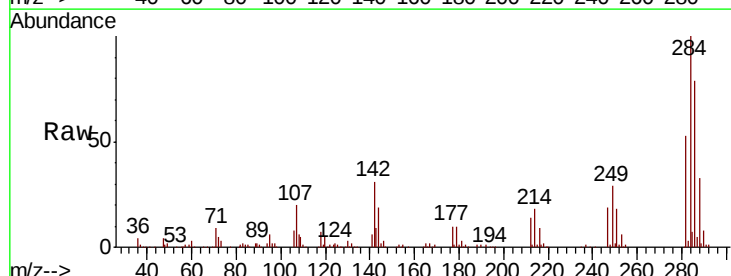
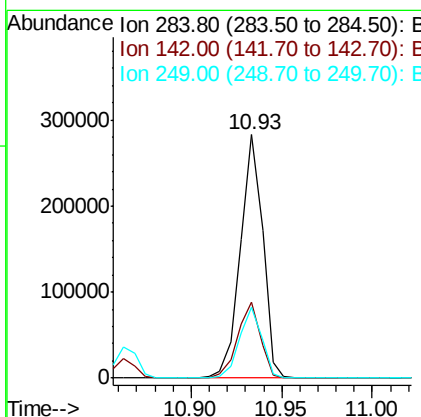
Manual Integrations  
 APPROVED

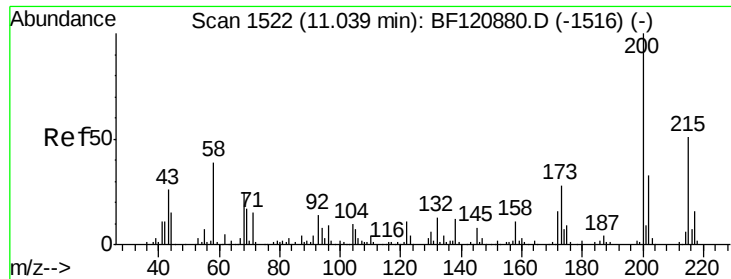
mohammad  
 8/7/2020 1:51:07 PM



#68  
 Hexachlorobenzene  
 Concen: 39.975 ng  
 RT: 10.93 min Scan# 1504  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 243025 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 31.3  | 21.1  | 31.7   |
| 249       | 29.0  | 22.5  | 33.7   |





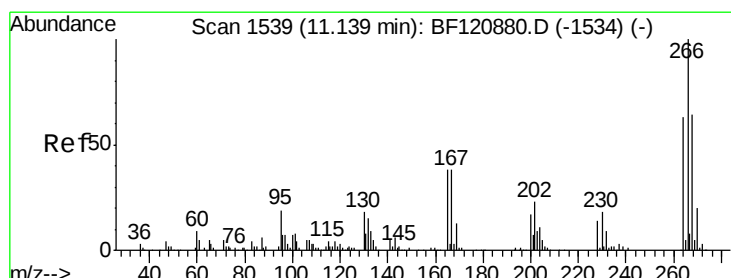
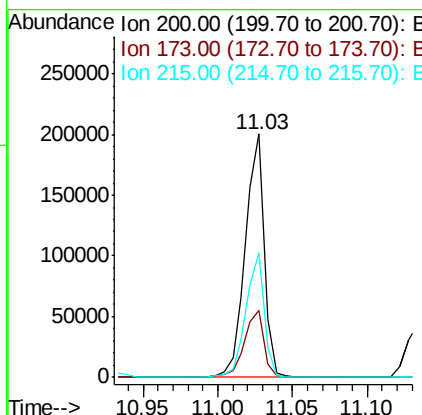
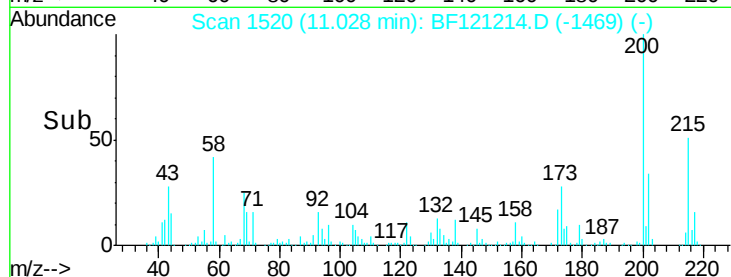
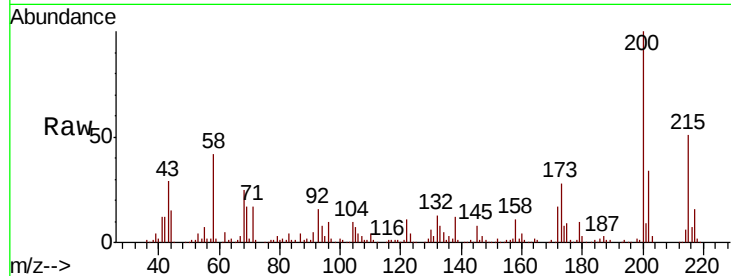
#69  
Atrazine  
Concen: 44.848 ng  
RT: 11.03 min Scan# 1520  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.7  | 7.6   | 47.6  |
| 215     | 50.9  | 28.8  | 68.8  |

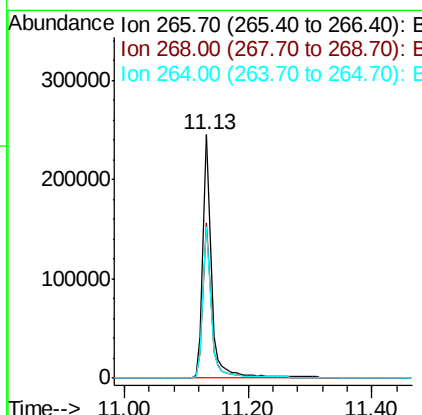
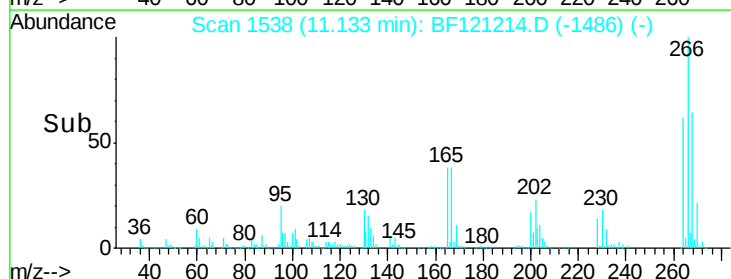
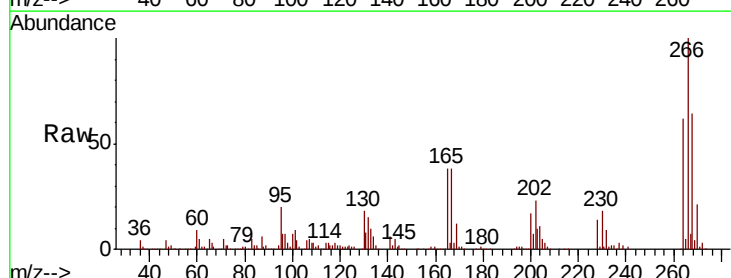
Manual Integrations  
APPROVED

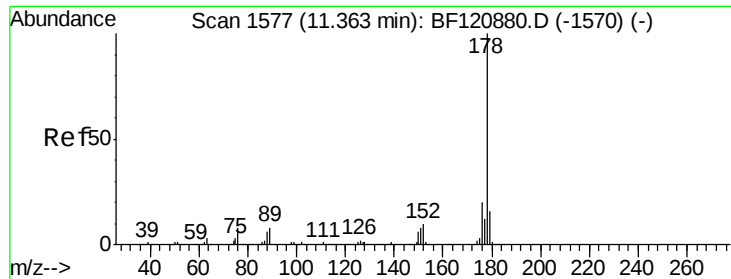
mohammad  
8/7/2020 1:51:07 PM



#70  
Pentachlorophenol  
Concen: 75.711 ng  
RT: 11.13 min Scan# 1538  
Delta R.T. 0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.0  | 49.7  | 74.5  |
| 264     | 62.3  | 50.4  | 75.6  |





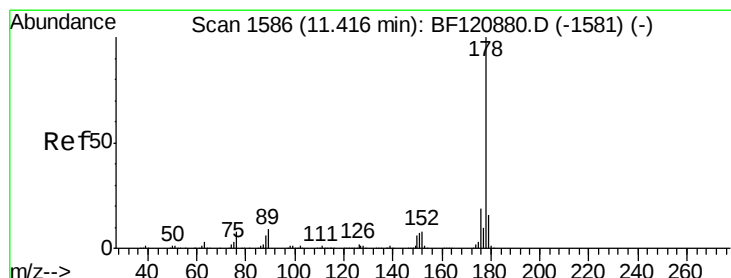
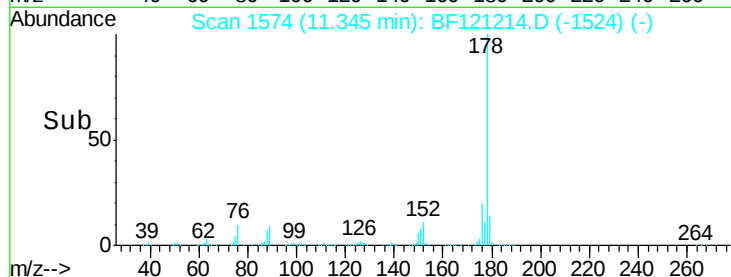
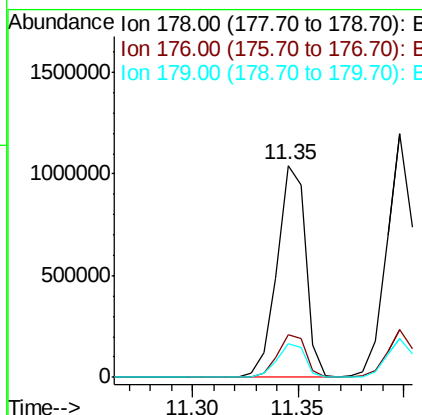
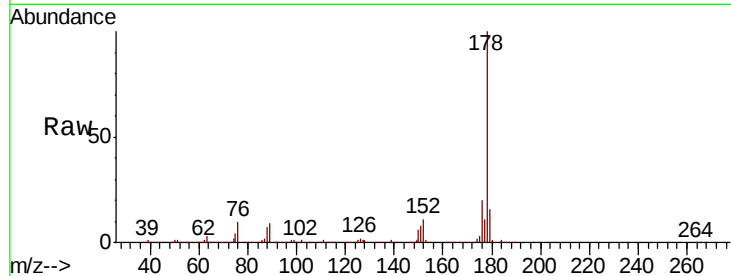
#71  
Phenanthrene  
Concen: 38.148 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 16.2  | 24.2  |
| 179     | 16.0  | 12.6  | 19.0  |

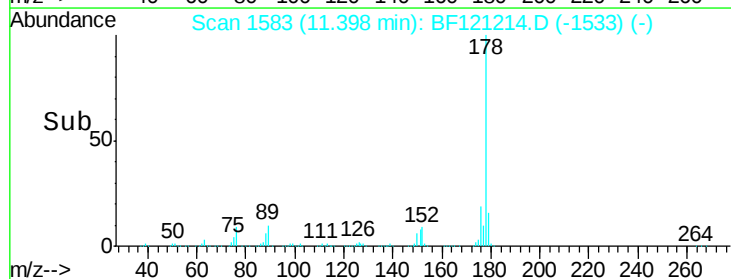
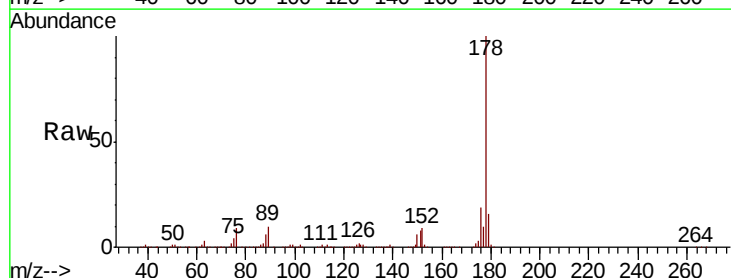
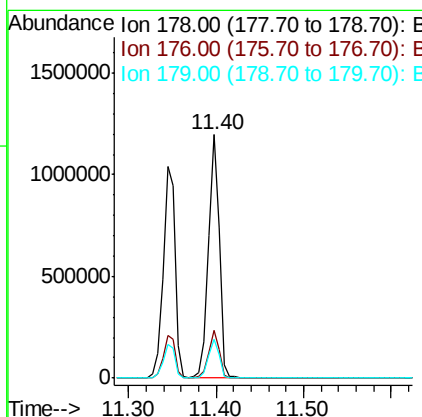
Manual Integrations  
APPROVED

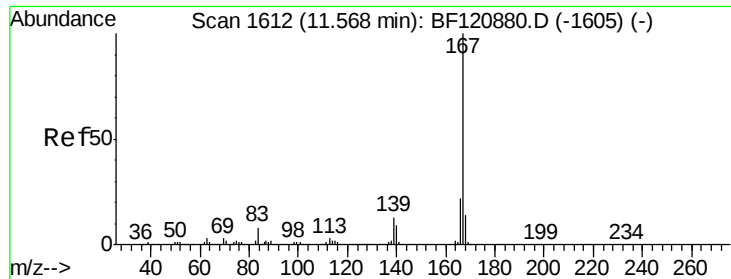
mohammad  
8/7/2020 1:51:07 PM



#72  
Anthracene  
Concen: 40.058 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 16.0  | 12.6  | 19.0  |





#73

Carbazole

Concen: 37.758 ng

RT: 11.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

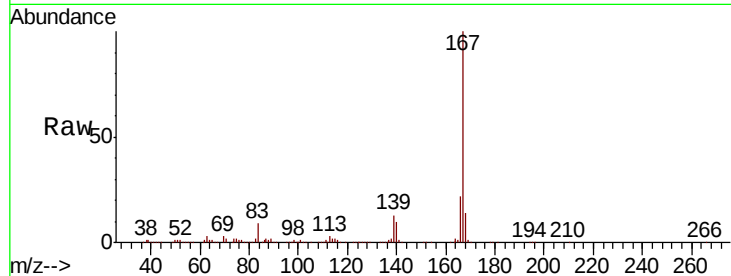
ClientSampleId :

8/5-A-EMS

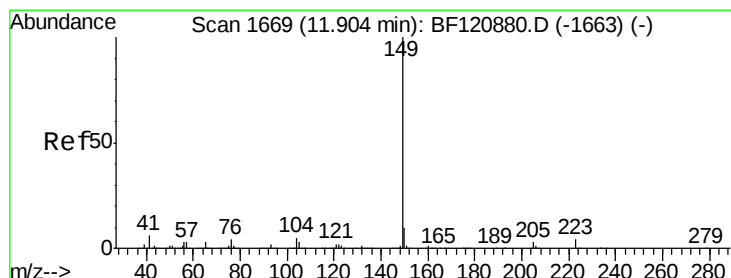
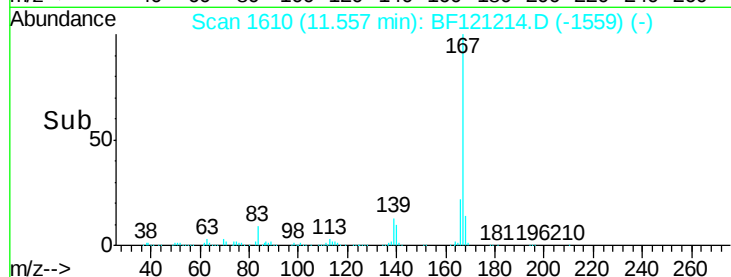
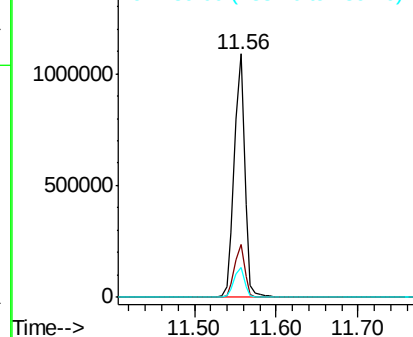
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 975448 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.0  | 17.5  | 26.3   |
| 139       | 12.5  | 10.5  | 15.7   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



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



#74

Di-n-butylphthalate

Concen: 39.779 ng

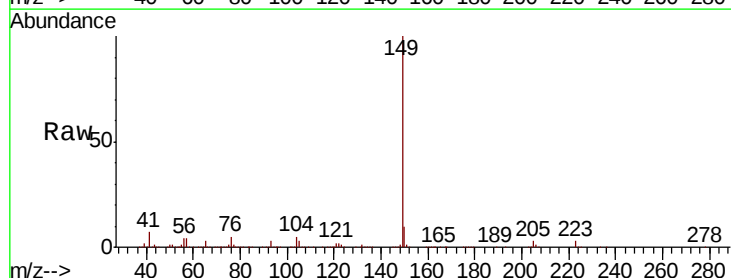
RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

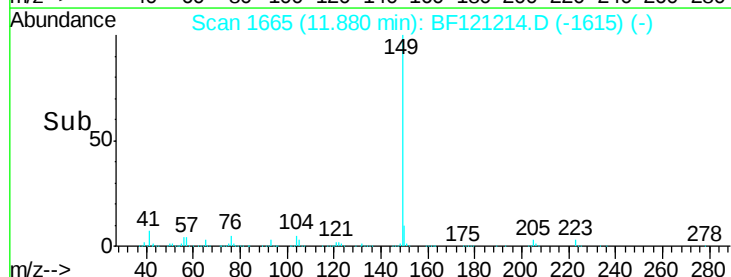
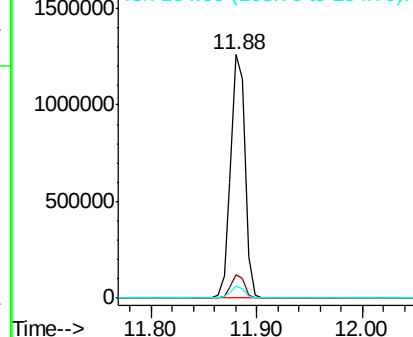
Lab File: BF121214.D

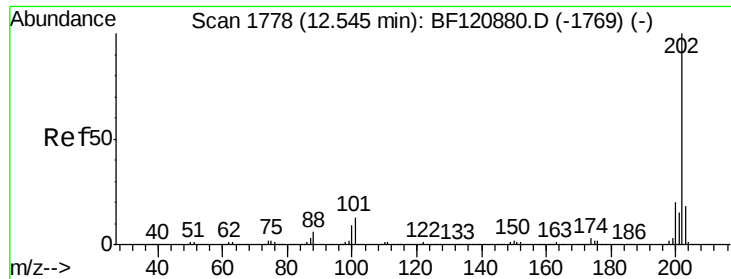
Acq: 6 Aug 2020 21:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1185908 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 9.6   | 7.8   | 11.8    |
| 104       | 4.8   | 3.9   | 5.9     |



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





#75

Fluoranthene

Concen: 36.391 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

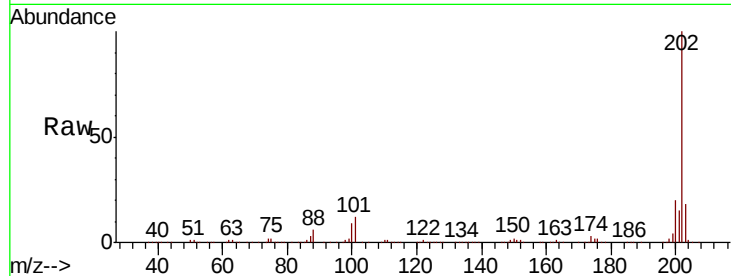
ClientSampled :

8/5-A-EMS

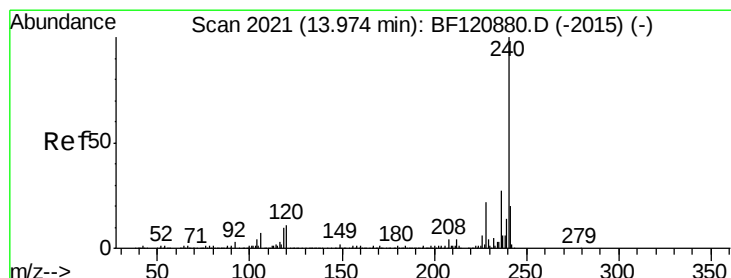
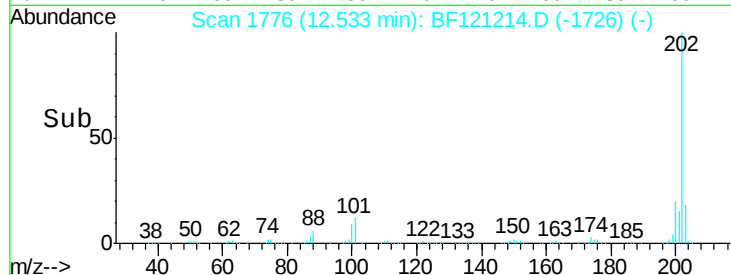
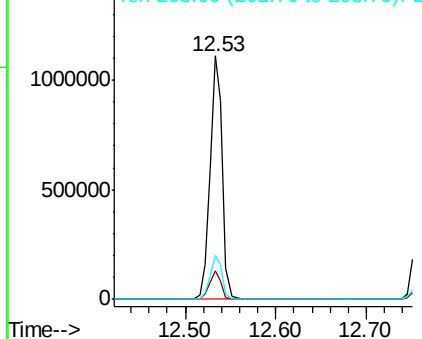
| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1045712 |       |       |
| 101     | 11.9  | 0.0     | 30.5  |       |
| 203     | 18.2  | 0.0     | 37.7  |       |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
1500000 Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

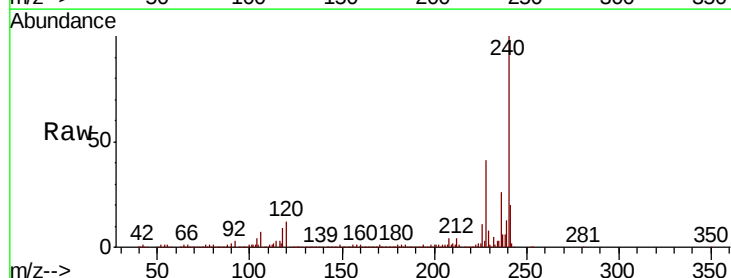
RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

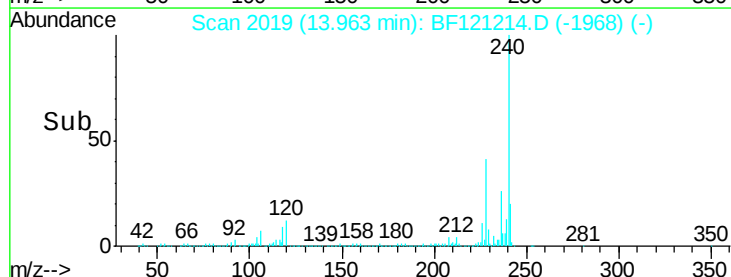
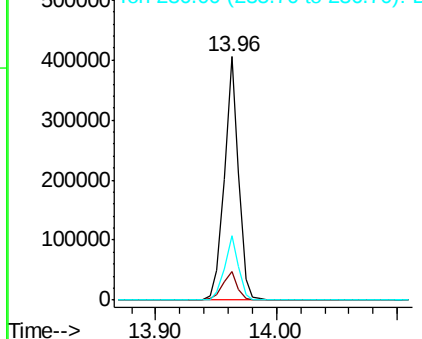
Lab File: BF121214.D

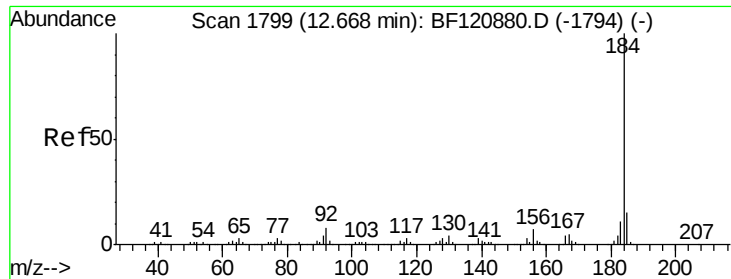
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 326202 |       |       |
| 120     | 11.6  | 9.3    | 13.9  |       |
| 236     | 26.5  | 21.1   | 31.7  |       |



Abundance Ion 240.00 (239.70 to 240.70): E  
500000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 80.445 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

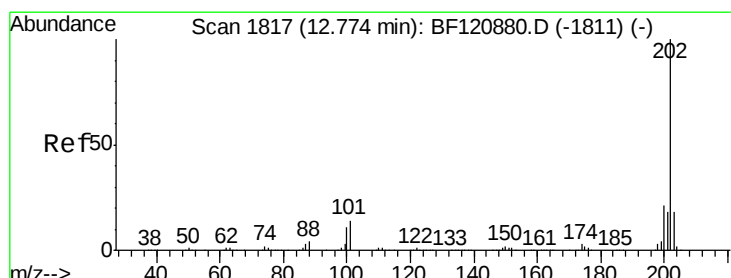
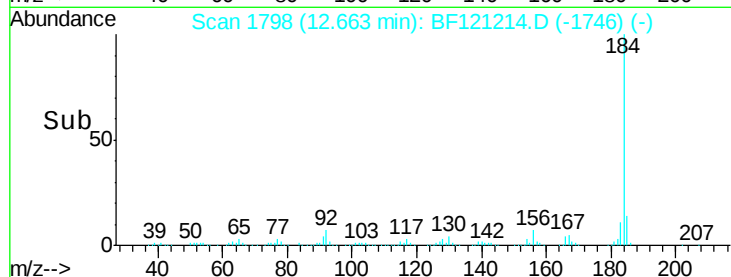
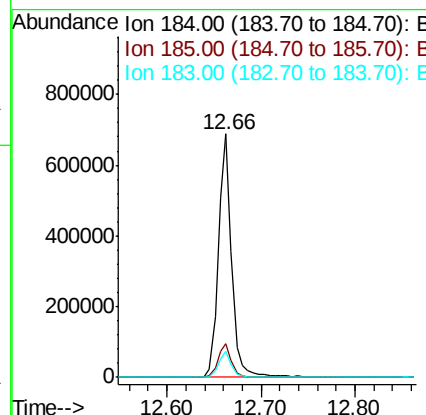
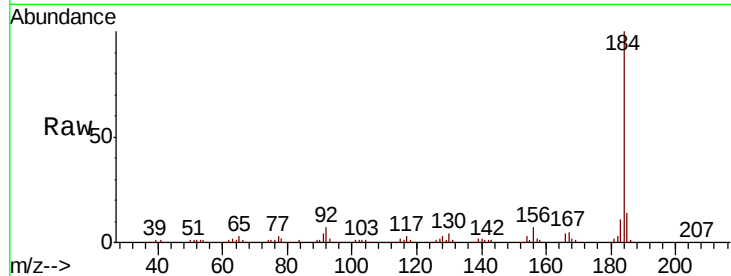
ClientSampleId :

8/5-A-EMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 689935 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.9  | 12.1  | 18.1   |
| 183       | 10.9  | 9.0   | 13.4   |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#78

Pyrene

Concen: 44.853 ng

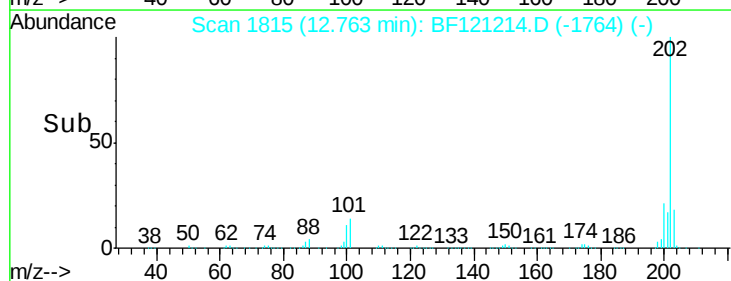
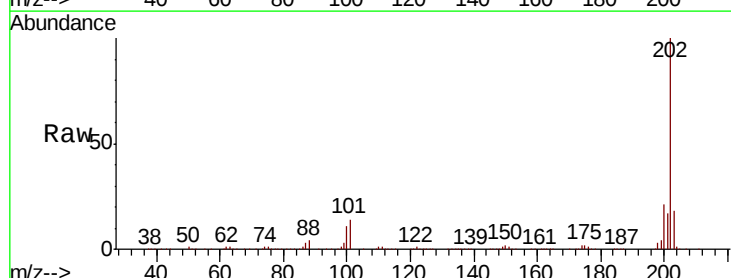
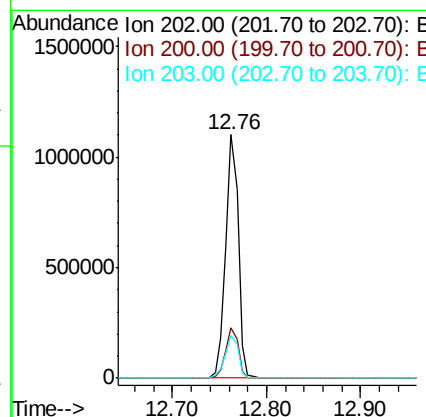
RT: 12.76 min Scan# 1815

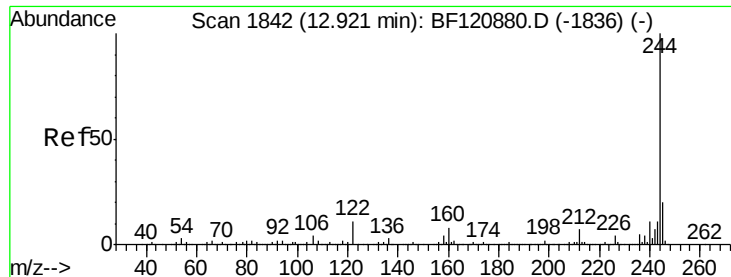
Delta R.T. 0.00 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1034423 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.7  | 17.0  | 25.6    |
| 203       | 17.7  | 14.6  | 21.8    |





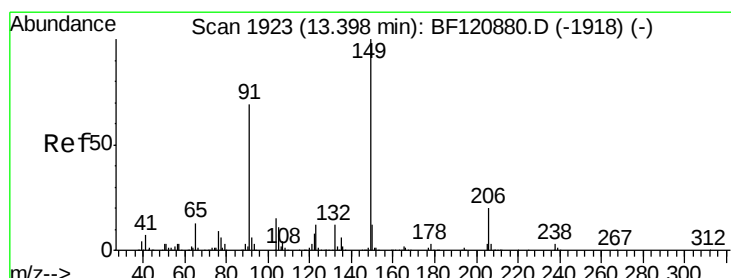
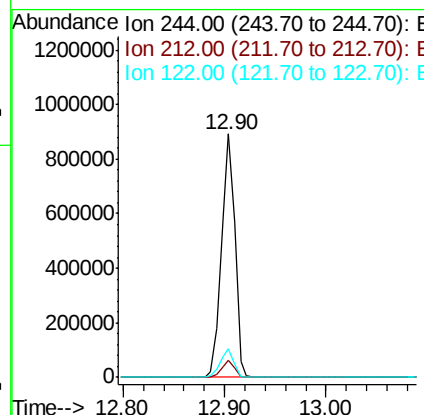
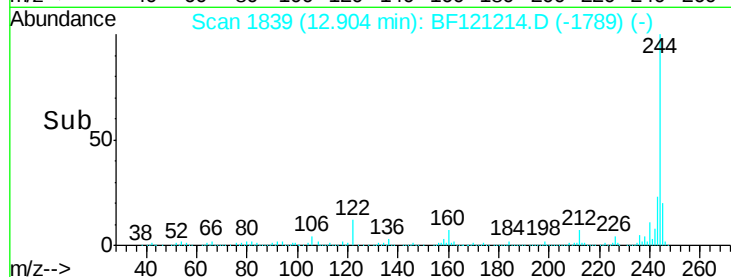
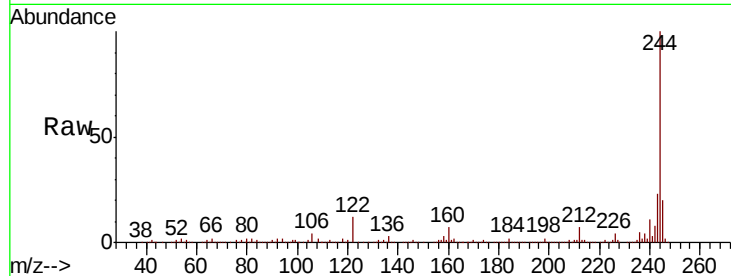
#79  
 Terphenyl-d14  
 Concen: 54.723 ng  
 RT: 12.90 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 7.1   | 5.7  | 8.5   |       |
| 122     | 11.5  | 8.3  | 12.5  |       |

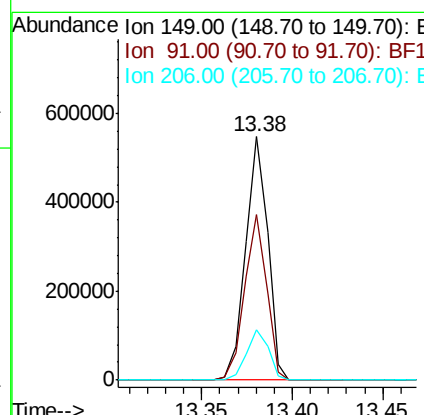
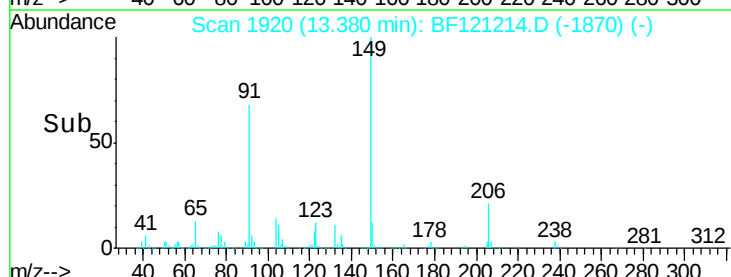
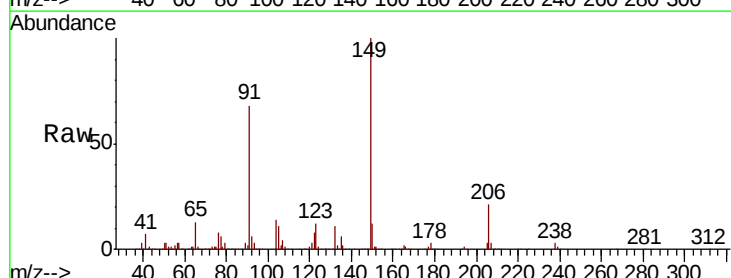
Manual Integrations  
 APPROVED

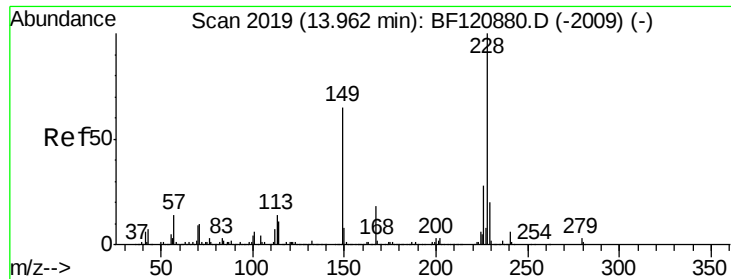
mohammad  
 8/7/2020 1:51:07 PM



#80  
 Butylbenzylphthalate  
 Concen: 45.234 ng  
 RT: 13.38 min Scan# 1920  
 Delta R.T. -0.01 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 91      | 67.9  | 51.4 | 77.0  |       |
| 206     | 20.6  | 17.9 | 26.9  |       |





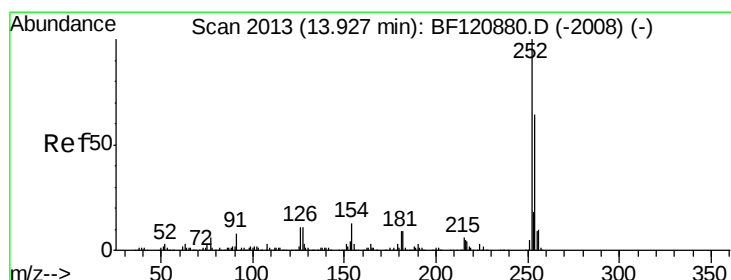
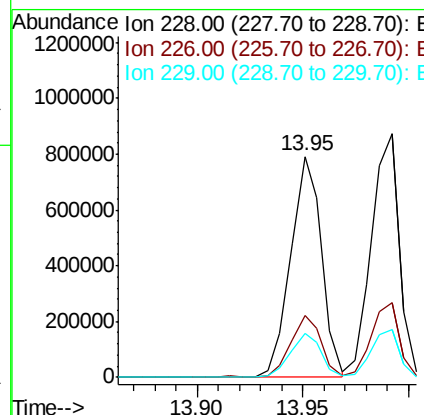
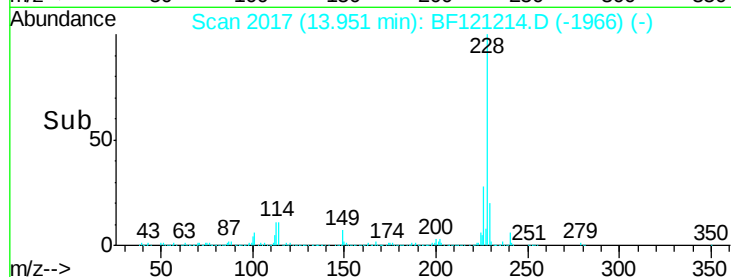
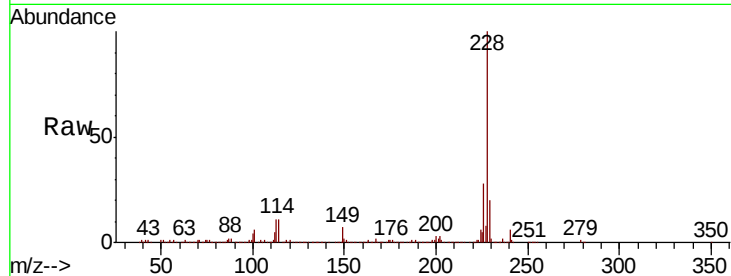
#81  
Benzo(a)anthracene  
Concen: 40.891 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 22.6  | 34.0  |
| 229     | 20.1  | 16.1  | 24.1  |

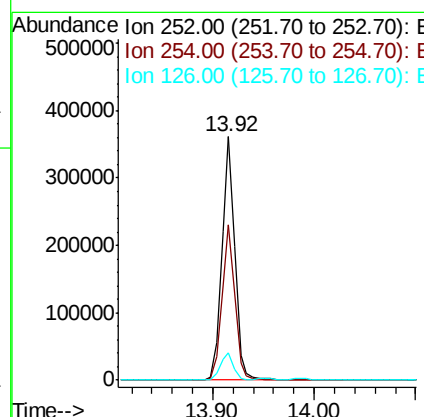
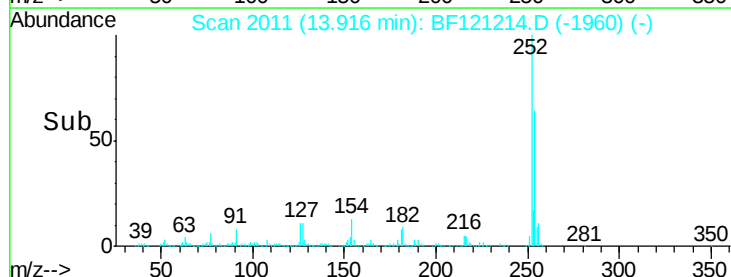
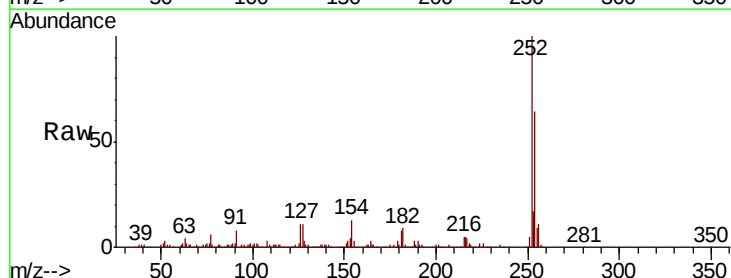
Manual Integrations  
APPROVED

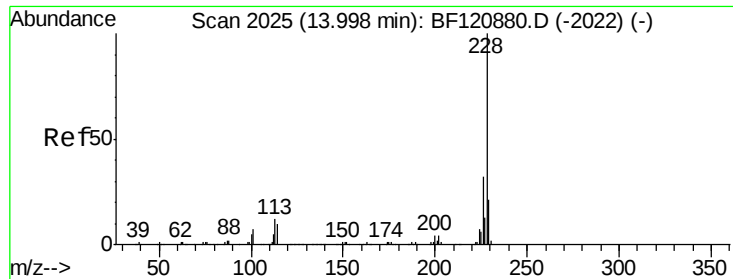
mohammad  
8/7/2020 1:51:07 PM



#82  
3,3'-Dichlorobenzidine  
Concen: 42.982 ng  
RT: 13.92 min Scan# 2011  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.9  | 51.3  | 76.9  |
| 126     | 11.2  | 9.2   | 13.8  |





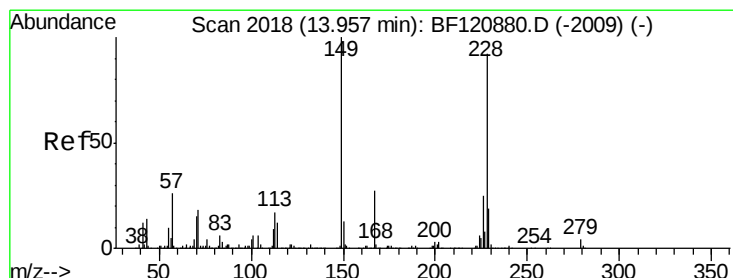
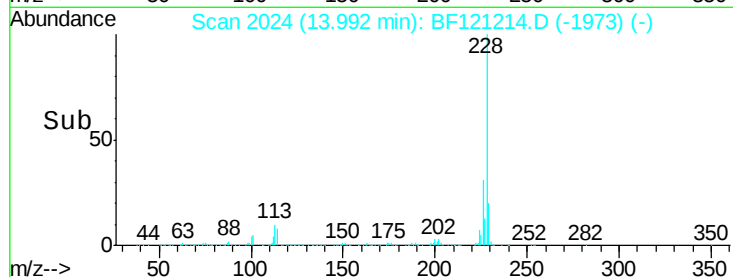
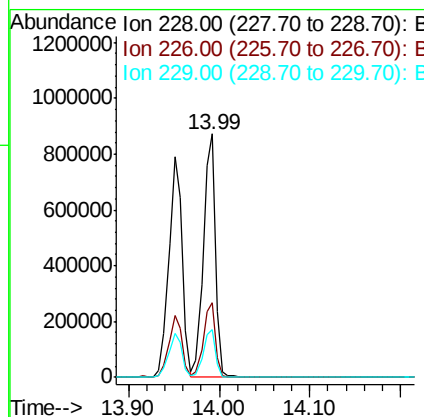
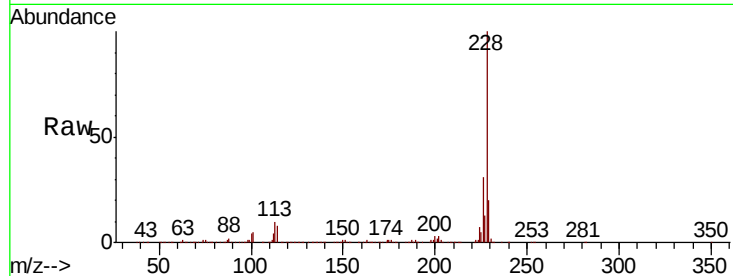
#83  
 Chrvsene  
 Concen: 39.101 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. 0.00 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampled :  
 8/5-A-EMS

|             |       |        |
|-------------|-------|--------|
| Tot Ion:228 | Resp: | 811674 |
| Ion Ratio   | Lower | Upper  |
| 228 100     |       |        |
| 226 30.8    | 25.4  | 38.0   |
| 229 19.8    | 16.2  | 24.4   |

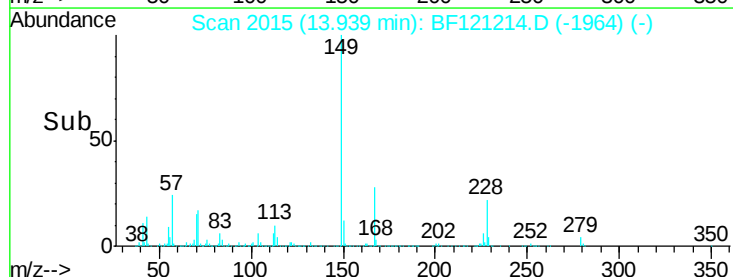
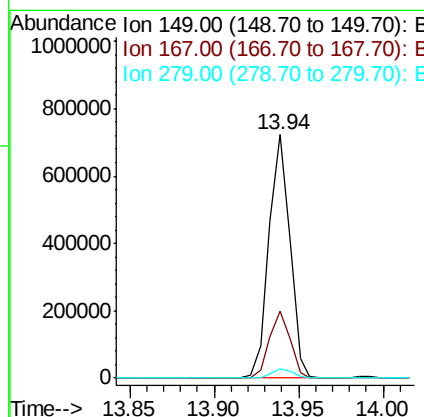
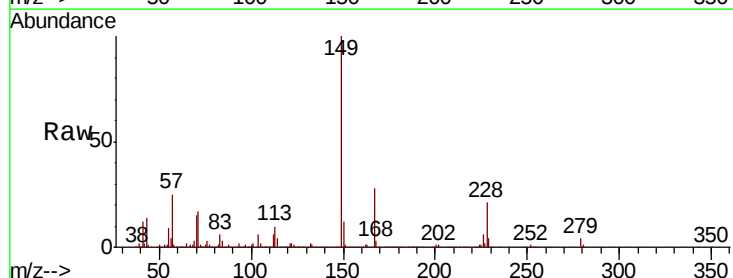
Manual Integrations  
 APPROVED

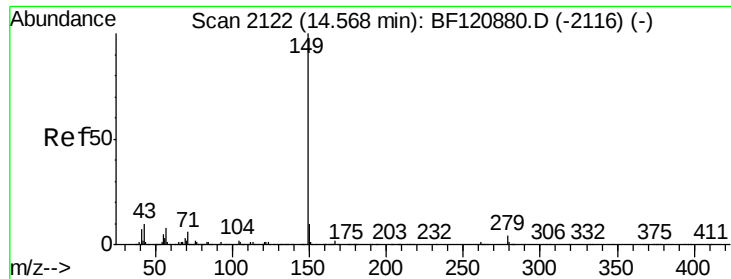
mohammad  
 8/7/2020 1:51:07 PM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.959 ng  
 RT: 13.94 min Scan# 2015  
 Delta R.T. 0.00 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:149 | Resp: | 620681 |
| Ion Ratio   | Lower | Upper  |
| 149 100     |       |        |
| 167 27.6    | 21.8  | 32.6   |
| 279 4.1     | 2.9   | 4.3    |





#85

Di-n-octyl phthalate

Concen: 39.655 ng

RT: 14.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: BF121214.D

Acq: 6 Aug 2020 21:13

Instrument :

BNA\_F

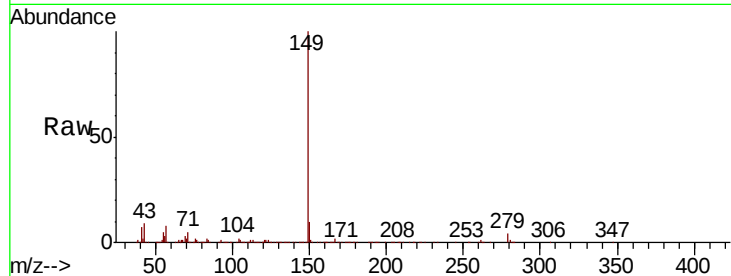
ClientSampled :

8/5-A-EMS

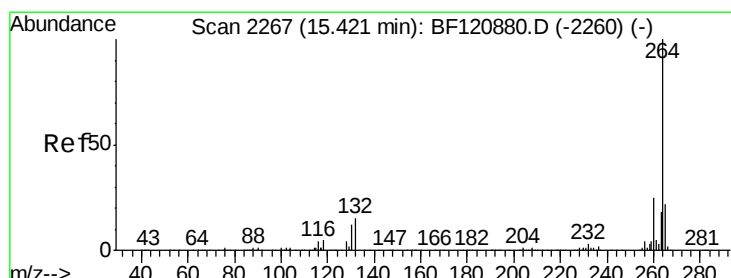
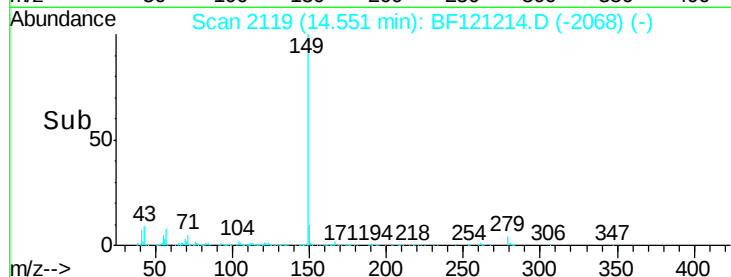
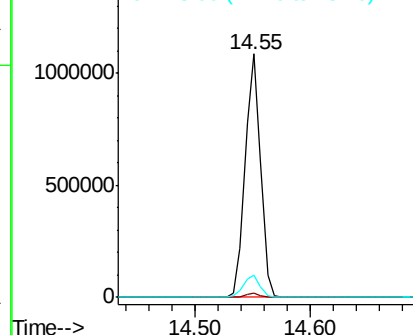
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 149   | Resp: | 1000181 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.6   | 1.3   | 1.9     |
| 43        | 9.1   | 7.5   | 11.3    |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

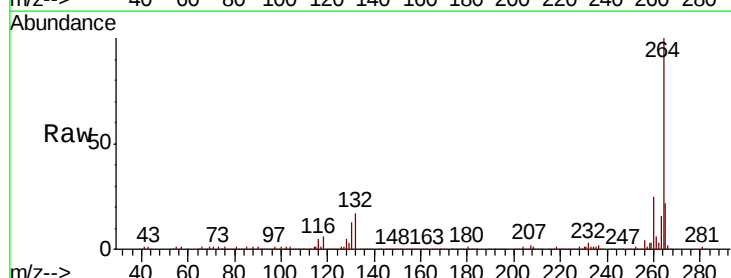
RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

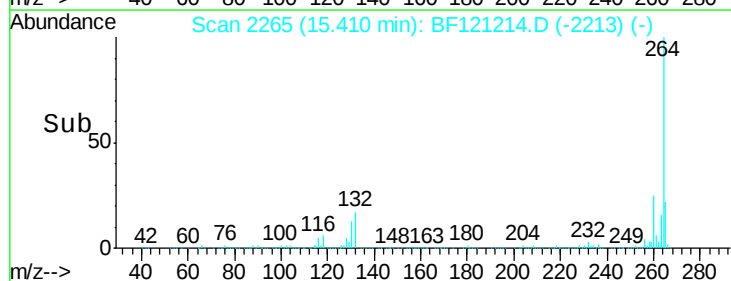
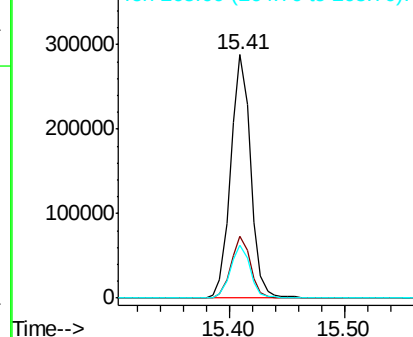
Lab File: BF121214.D

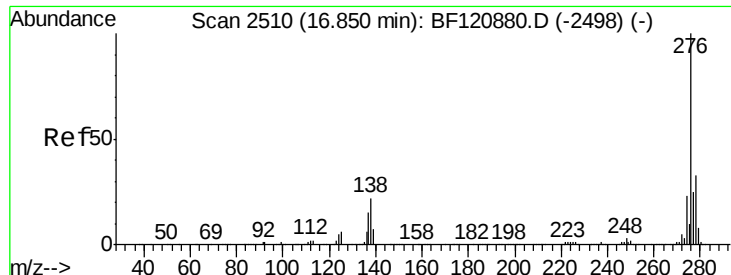
Acq: 6 Aug 2020 21:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 345430 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 25.4  | 19.9  | 29.9   |
| 265       | 21.7  | 17.8  | 26.8   |



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





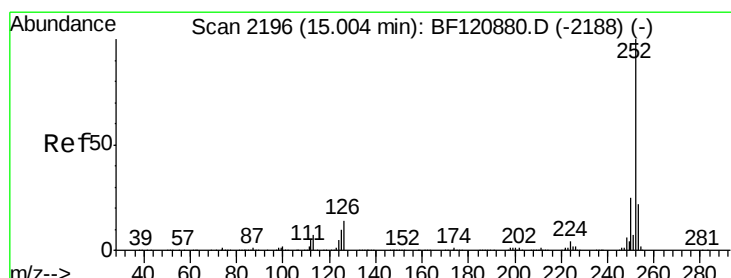
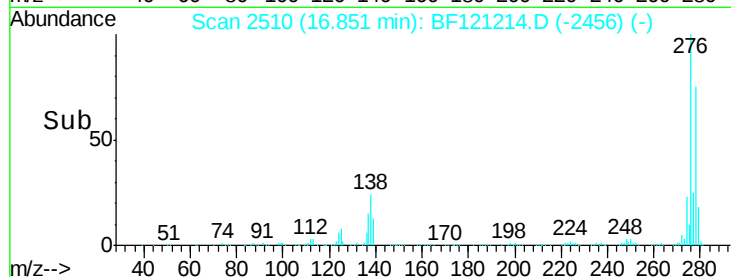
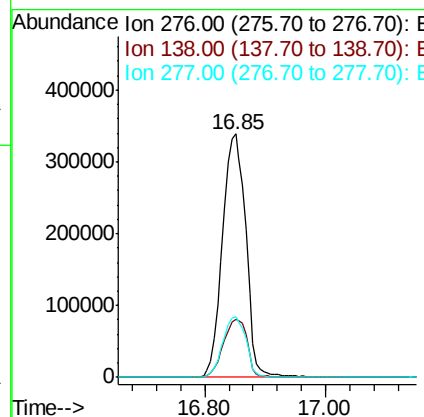
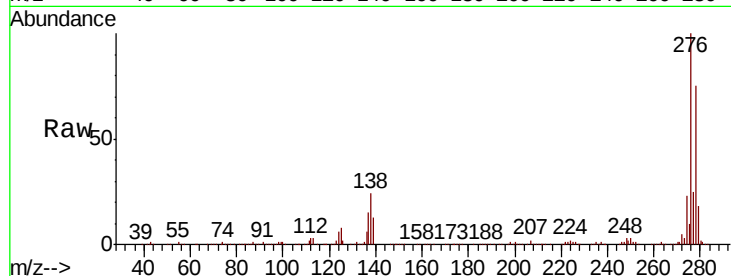
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.896 ng  
 RT: 16.85 min Scan# 2510  
 Delta R.T. 0.02 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.6  | 19.3  | 28.9  |
| 277     | 25.0  | 20.1  | 30.1  |

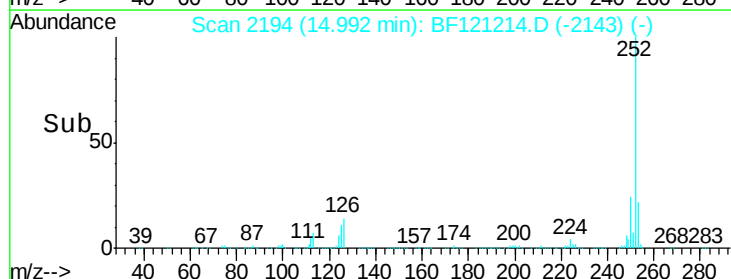
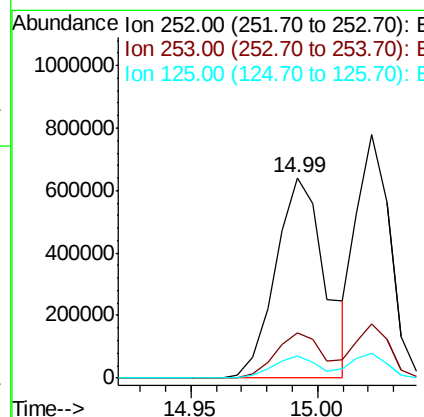
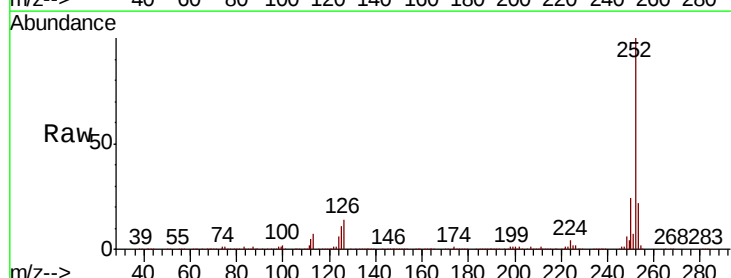
Manual Integrations  
 APPROVED

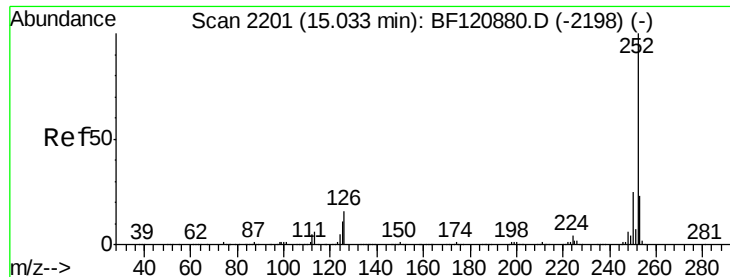
mohammad  
 8/7/2020 1:51:07 PM



#88  
 Benzo(b)fluoranthene  
 Concen: 41.794 ng  
 RT: 14.99 min Scan# 2194  
 Delta R.T. 0.00 min  
 Lab File: BF121214.D  
 Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.9  | 26.9  |
| 125     | 10.8  | 8.1   | 12.1  |





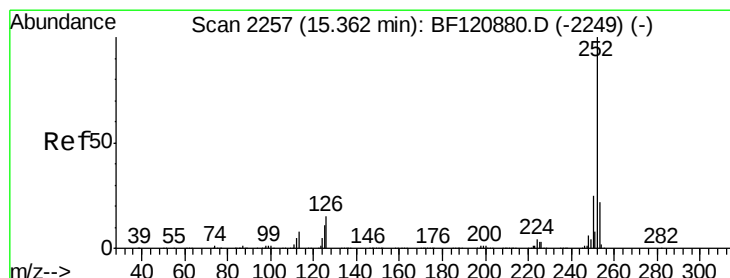
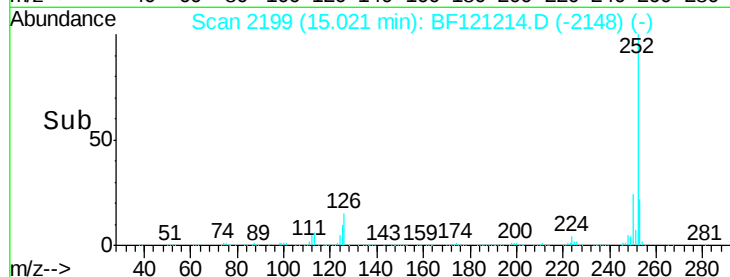
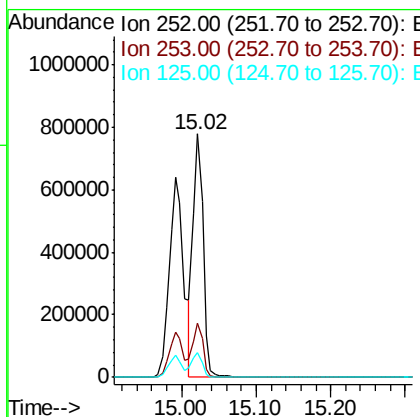
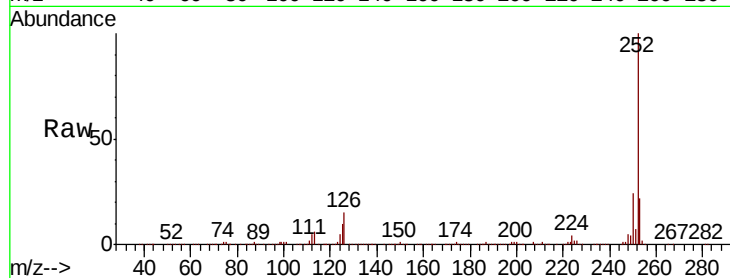
#89  
Benzo(k)fluoranthene  
Concen: 38.195 ng  
RT: 15.02 min Scan# 2199  
Delta R.T. 0.00 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampled :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.1  | 27.1  |
| 125     | 10.3  | 8.0   | 12.0  |

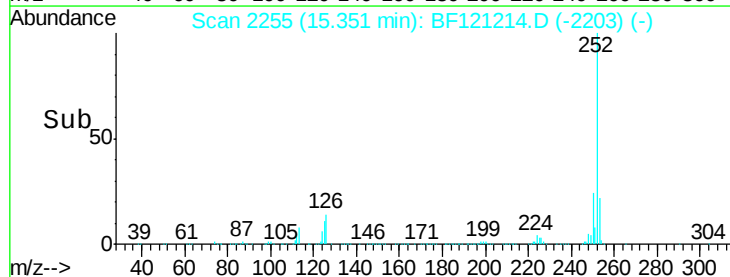
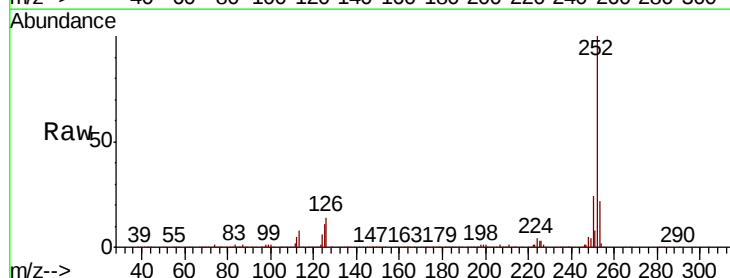
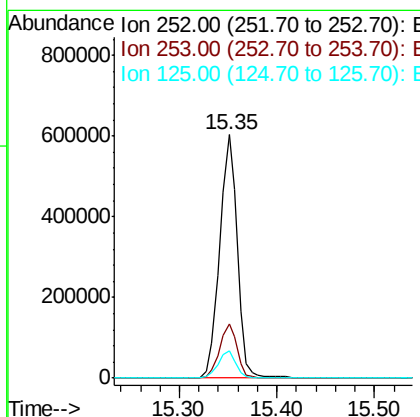
Manual Integrations  
APPROVED

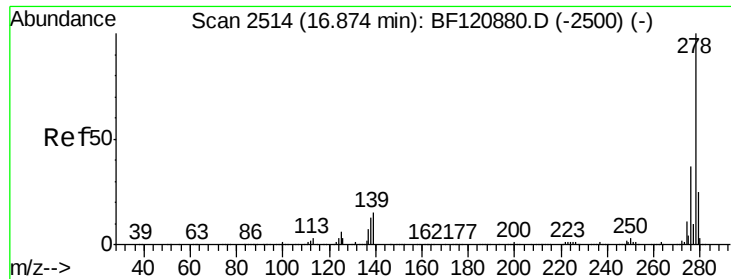
mohammad  
8/7/2020 1:51:07 PM



#90  
Benzo(a)pyrene  
Concen: 39.649 ng  
RT: 15.35 min Scan# 2255  
Delta R.T. 0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.0  | 27.0  |
| 125     | 11.4  | 9.5   | 14.3  |





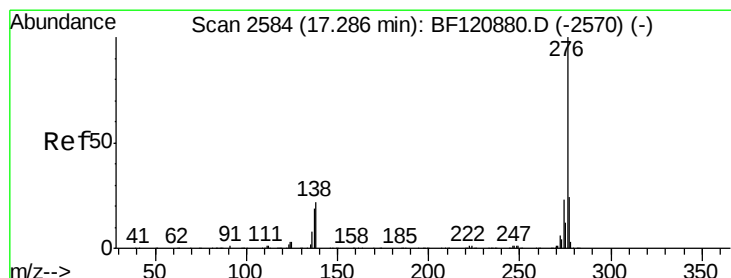
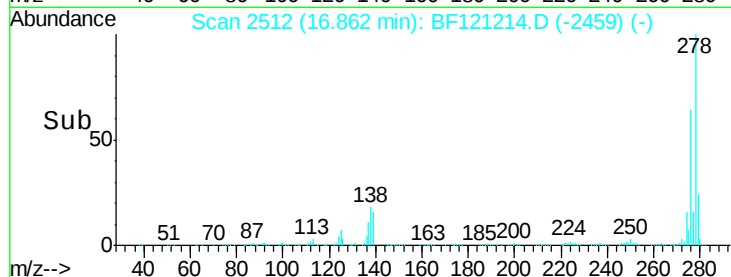
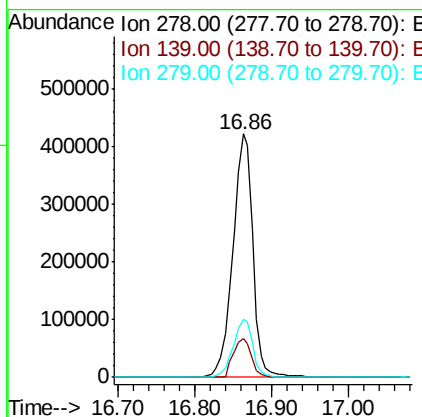
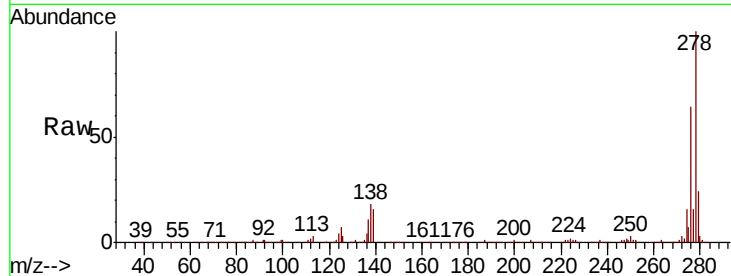
#91  
Dibenzo(a,h)anthracene  
Concen: 39.142 ng  
RT: 16.86 min Scan# 2512  
Delta R.T. 0.01 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

Instrument :  
BNA\_F  
ClientSampleId :  
8/5-A-EMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.0  | 12.6  | 18.8  |
| 279     | 23.8  | 19.5  | 29.3  |

Manual Integrations  
APPROVED

mohammad  
8/7/2020 1:51:07 PM



#92  
Benzo(g,h,i)perylene  
Concen: 37.870 ng  
RT: 17.28 min Scan# 2583  
Delta R.T. 0.02 min  
Lab File: BF121214.D  
Acq: 6 Aug 2020 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.3  | 19.4  | 29.0  |
| 138     | 21.2  | 17.2  | 25.8  |

