

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\  
 Data File : BF119934.D  
 Acq On : 14 Apr 2020 4:50  
 Operator : MA/SJ  
 Sample : PB128182BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128182BS

Manual Integrations  
 APPROVED

mohammad  
 4/14/2020 3:38:12 PM

Quant Time: Apr 14 07:00:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 13 13:37:50 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.74  | 152  | 234551   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 923949   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.78  | 164  | 497597   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.27 | 188  | 972603   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.91 | 240  | 689757   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 658250   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 1597711 | 117.72 | ng | 0.02 |
| 7) Phenol-d6             | 6.38  | 99  | 2055129 | 117.51 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.30  | 82  | 1302267 | 72.92  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.57 | 330 | 661042  | 108.50 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.10  | 172 | 2540048 | 72.47  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.86 | 244 | 2927624 | 71.42  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 195730  | 32.379 | ng | 97     |
| 3) Pyridine                    | 3.18 | 79  | 566759  | 34.172 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.14 | 42  | 323852  | 38.217 | ng | 94     |
| 6) Aniline                     | 6.40 | 93  | 805043  | 35.072 | ng | # 89   |
| 8) 2-Chlorophenol              | 6.52 | 128 | 664634  | 43.828 | ng | 98     |
| 9) Benzaldehyde                | 6.28 | 77  | 301033  | 28.116 | ng | 98     |
| 10) Phenol                     | 6.39 | 94  | 823314  | 41.497 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.47 | 93  | 616462  | 40.241 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.67 | 146 | 647091  | 38.977 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.76 | 146 | 654304  | 38.689 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 618539  | 39.686 | ng | 97     |
| 15) Benzyl Alcohol             | 6.89 | 79  | 541270  | 39.848 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45  | 1085030 | 36.398 | ng | 99     |
| 17) 2-Methylphenol             | 7.00 | 107 | 540580  | 39.945 | ng | 98     |
| 18) Hexachloroethane           | 7.25 | 117 | 249974  | 39.551 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70  | 452190  | 40.209 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.15 | 107 | 658905  | 39.810 | ng | 99     |
| 22) Acetophenone               | 7.15 | 105 | 856971  | 39.609 | ng | # 97   |
| 24) Nitrobenzene               | 7.33 | 77  | 688576  | 38.326 | ng | 95     |
| 25) Isophorone                 | 7.57 | 82  | 1294700 | 37.606 | ng | 99     |
| 26) 2-Nitrophenol              | 7.64 | 139 | 361967  | 40.326 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.68 | 122 | 576358  | 42.575 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93  | 811576  | 40.060 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.88 | 162 | 558788  | 40.270 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.96 | 180 | 584791  | 37.194 | ng | 99     |
| 31) Naphthalene                | 8.05 | 128 | 1876428 | 38.600 | ng | 99     |
| 32) Benzoic acid               | 7.82 | 122 | 387714  | 32.611 | ng | 94     |
| 33) 4-Chloroaniline            | 8.09 | 127 | 582988  | 27.548 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.16 | 225 | 330450  | 35.110 | ng | 100    |
| 35) Caprolactam                | 8.47 | 113 | 170224m | 40.103 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.59 | 107 | 619735  | 41.252 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.74 | 142 | 1280016 | 38.839 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.84 | 142 | 1225452 | 39.450 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 557451  | 35.470 | ng | 99     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 13 13:37:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.89  | 237  | 648473   | 72.562 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.02  | 196  | 423864   | 39.056 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.06  | 196  | 453331   | 37.087 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.20  | 154  | 1558558  | 37.109 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.23  | 162  | 1215200  | 37.559 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.33  | 65   | 456039   | 38.895 | ng    | 96       |
| 49) Acenaphthylene             | 9.65  | 152  | 1928009  | 39.183 | ng    | 99       |
| 50) Dimethylphthalate          | 9.52  | 163  | 1475432  | 38.334 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.57  | 165  | 336122   | 39.880 | ng    | 96       |
| 52) Acenaphthene               | 9.82  | 154  | 1160989  | 35.371 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.74  | 138  | 274613   | 28.528 | ng    | 95       |
| 54) 2,4-Dinitrophenol          | 9.85  | 184  | 213828   | 42.375 | ng    | 94       |
| 55) Dibenzofuran               | 9.99  | 168  | 1721573  | 38.222 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.91  | 139  | 573543   | 80.079 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.97  | 165  | 448313   | 40.372 | ng    | 94       |
| 58) Fluorene                   | 10.33 | 166  | 1354361  | 37.598 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.10 | 232  | 388903   | 41.600 | ng    | 96       |
| 60) Diethylphthalate           | 10.21 | 149  | 1522747  | 38.173 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.32 | 204  | 644795   | 34.925 | ng    | 96       |
| 62) 4-Nitroaniline             | 10.36 | 138  | 376015   | 40.989 | ng    | 99       |
| 63) Azobenzene                 | 10.49 | 77   | 1425235  | 39.867 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198  | 188930   | 29.485 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 10.45 | 169  | 1265876  | 39.135 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.82 | 248  | 438474   | 36.252 | ng    | 96       |
| 68) Hexachlorobenzene          | 10.88 | 284  | 463703   | 37.791 | ng    | 97       |
| 69) Atrazine                   | 10.98 | 200  | 399934   | 44.439 | ng    | 97       |
| 70) Pentachlorophenol          | 11.07 | 266  | 487804   | 68.986 | ng    | 98       |
| 71) Phenanthrene               | 11.29 | 178  | 2000690  | 38.651 | ng    | 98       |
| 72) Anthracene                 | 11.35 | 178  | 2069806  | 39.142 | ng    | 100      |
| 73) Carbazole                  | 11.50 | 167  | 1929065  | 38.577 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.83 | 149  | 2390448  | 36.363 | ng    | 99       |
| 75) Fluoranthene               | 12.48 | 202  | 2181387  | 39.057 | ng    | 98       |
| 77) Benzidine                  | 12.60 | 184  | 1346504  | 57.751 | ng    | 97       |
| 78) Pyrene                     | 12.71 | 202  | 2178889  | 37.472 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.33 | 149  | 1017346  | 36.056 | ng    | 98       |
| 81) Benzo(a)anthracene         | 13.90 | 228  | 1710379  | 37.693 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.86 | 252  | 486625   | 28.742 | ng    | 95       |
| 83) Chrysene                   | 13.94 | 228  | 1792088  | 38.868 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 1306131  | 34.184 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.50 | 149  | 2382285  | 36.618 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.73 | 276  | 1606276  | 39.522 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.93 | 252  | 1833030  | 38.710 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.96 | 252  | 1664003  | 40.728 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.27 | 252  | 1543761  | 38.774 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.74 | 278  | 1332785  | 37.791 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.15 | 276  | 1288480  | 37.012 | ng    | 97       |

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

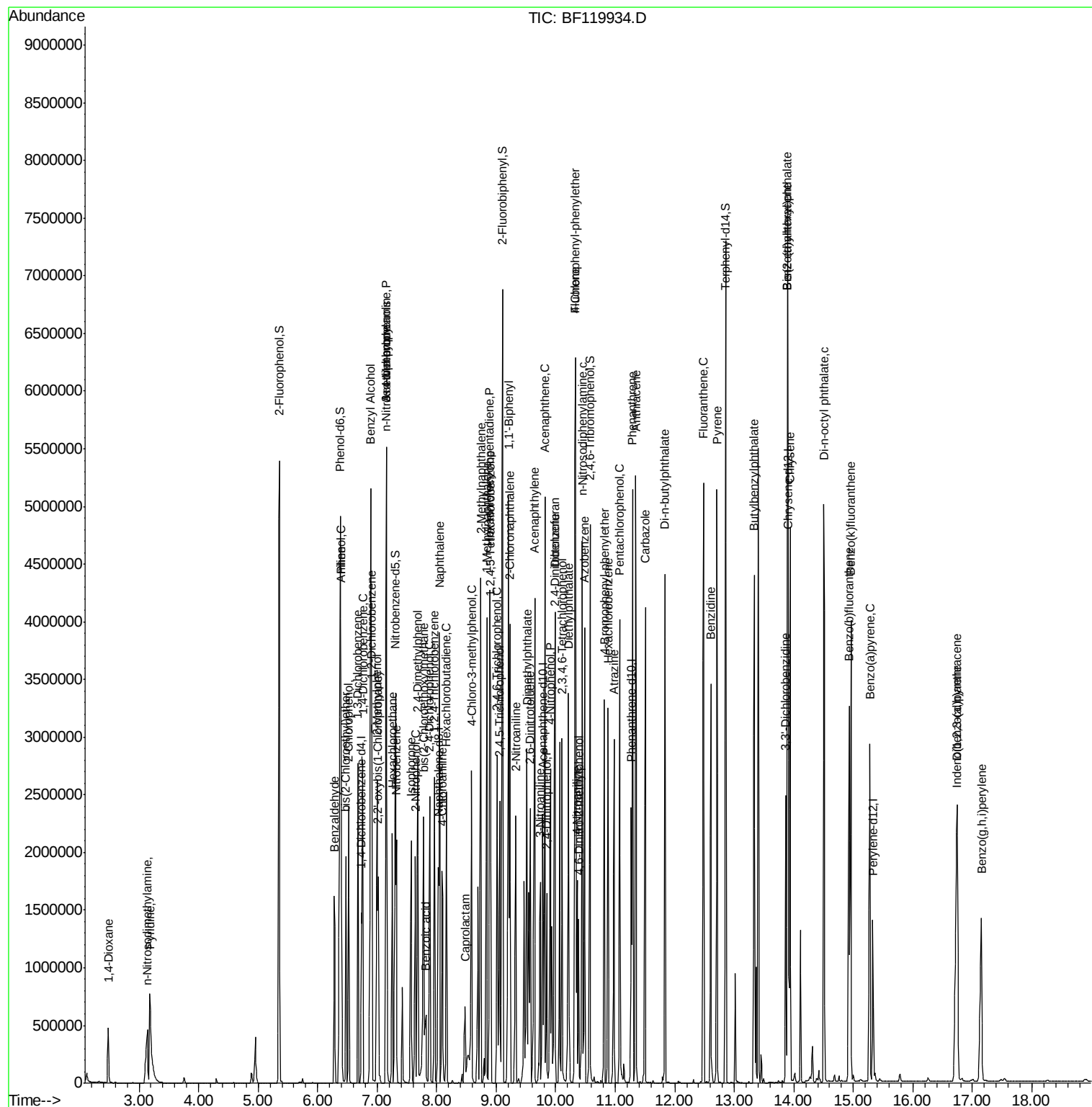
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\  
Data File : BF119934.D  
Acq On : 14 Apr 2020 4:50  
Operator : MA/SJ  
Sample : PB128182BS  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

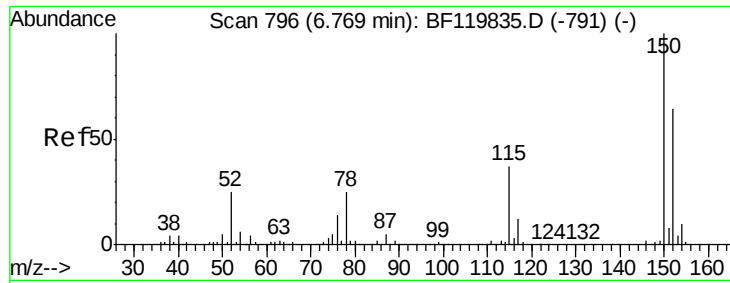
Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

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QLast Update : Mon Apr 13 13:37:50 2020  
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#1

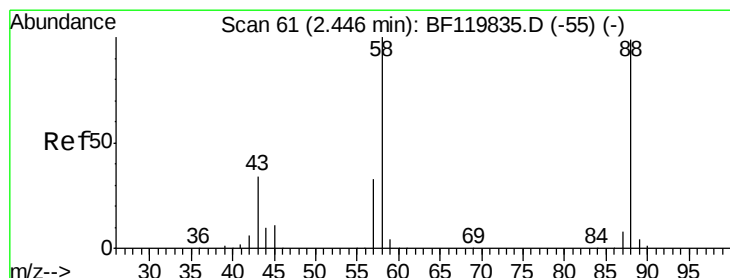
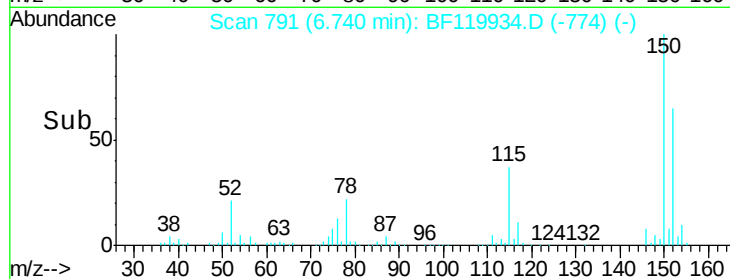
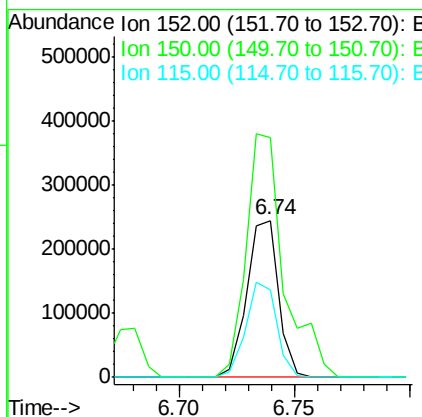
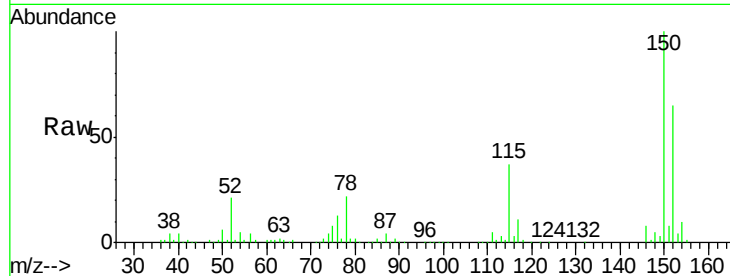
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 124.8 | 187.2 |
| 115     | 55.9  | 46.5  | 69.7  |

Manual Integrations  
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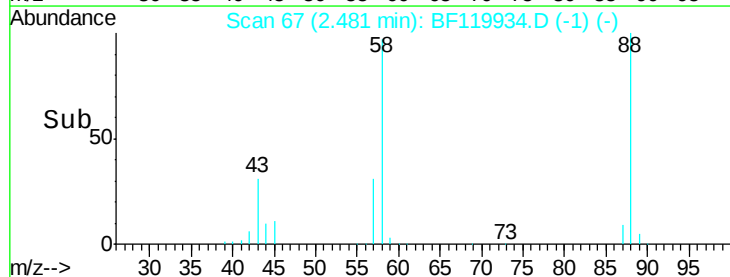
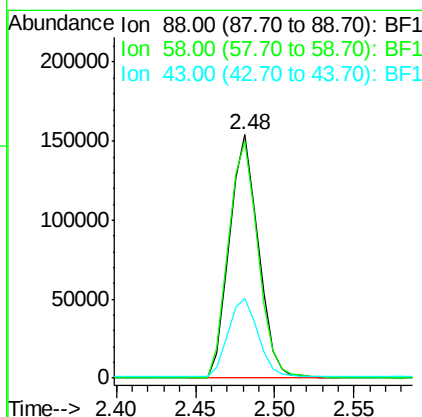
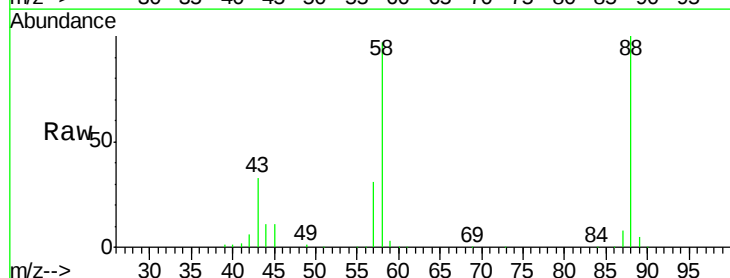
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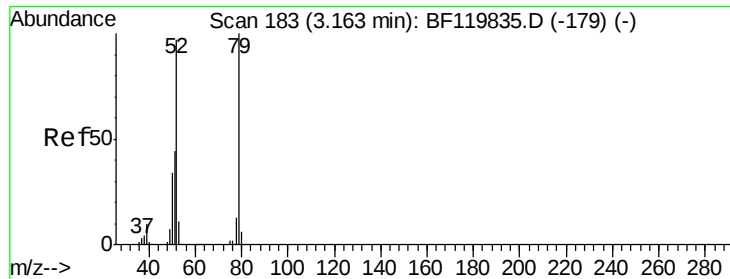


#2

1,4-Dioxane  
Concen: 32.379 ng  
RT: 2.48 min Scan# 67  
Delta R.T. 0.09 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 100.0 | 82.6  | 123.8 |
| 43      | 33.2  | 28.6  | 42.8  |





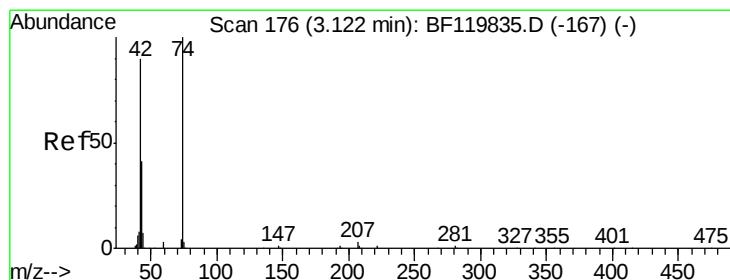
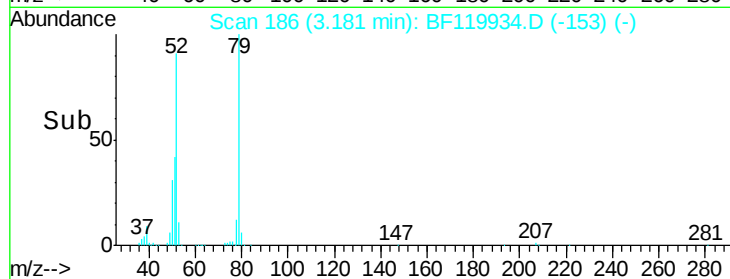
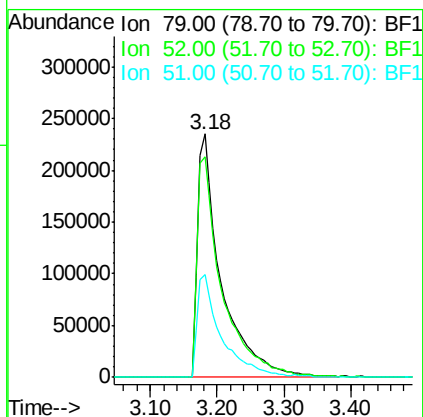
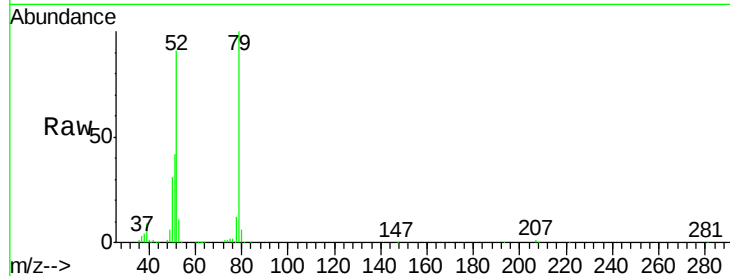
#3  
 Pvridine  
 Concen: 34.172 ng  
 RT: 3.18 min Scan# 186  
 Delta R.T. 0.09 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128182BS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 79      | 100  |       |       |       |       |
| 52      | 90.6 | 77.4  | 116.0 |       |       |
| 51      | 42.4 | 35.3  | 52.9  |       |       |

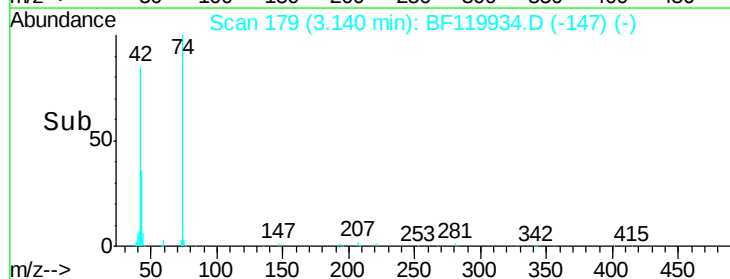
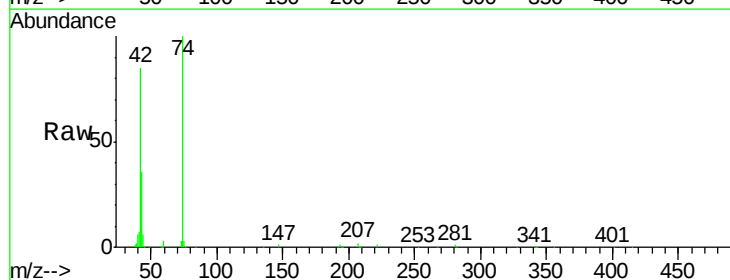
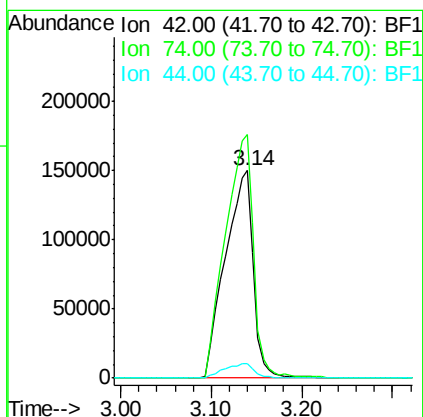
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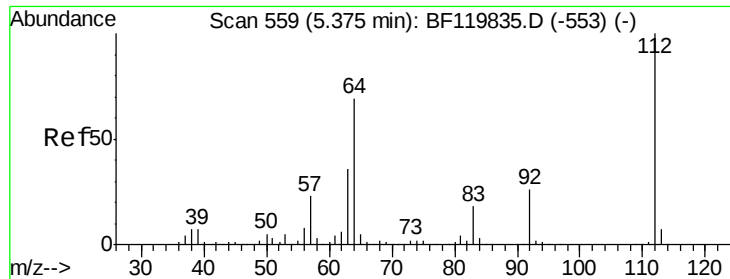
mohammad  
 4/14/2020 3:38:12 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 38.217 ng  
 RT: 3.14 min Scan# 179  
 Delta R.T. 0.09 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 42      | 100   |       |       |       |       |
| 74      | 117.5 | 89.0  | 133.4 |       |       |
| 44      | 6.9   | 6.2   | 9.4   |       |       |





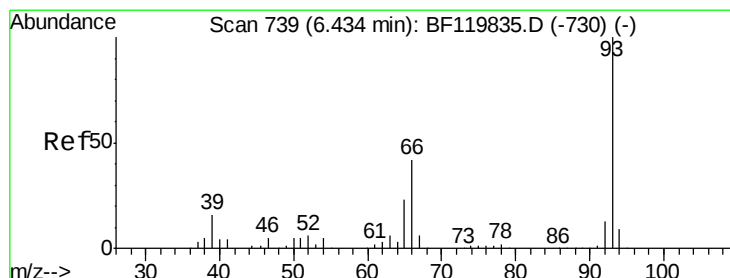
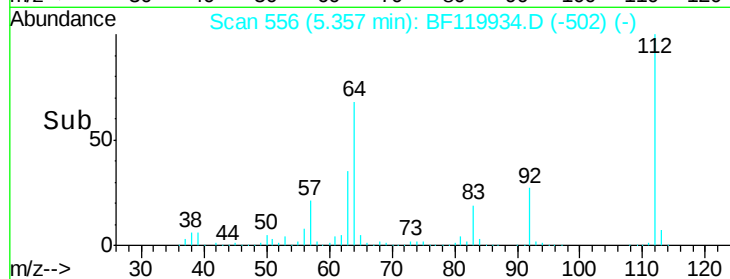
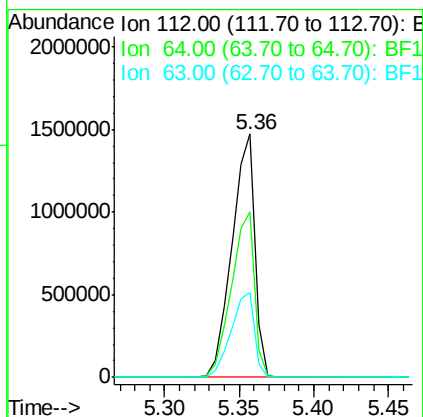
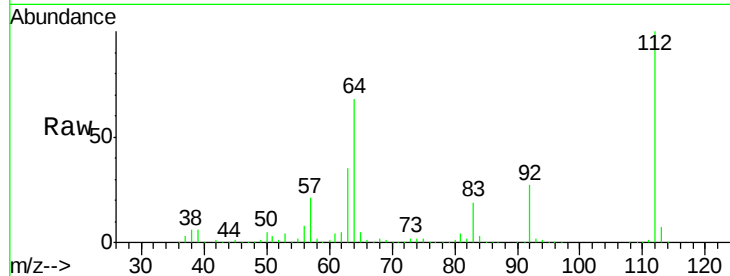
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2-Fluorophenol  
Concen: 117.720 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.02 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.8  | 55.5  | 83.3  |
| 63      | 34.8  | 29.1  | 43.7  |

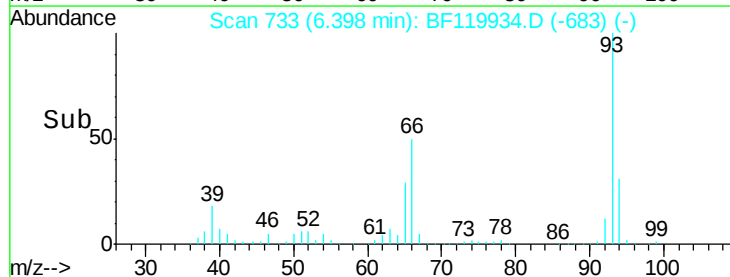
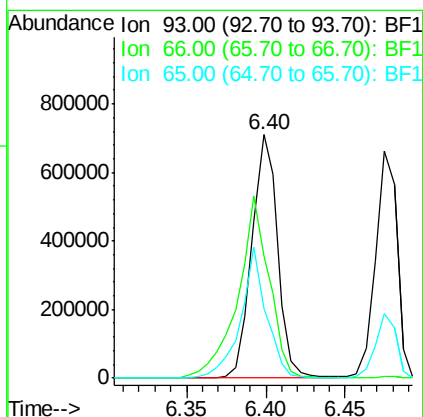
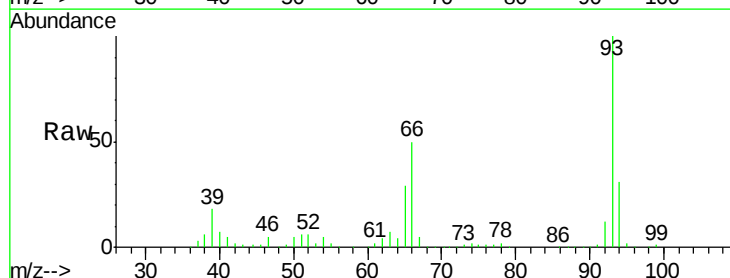
Manual Integrations  
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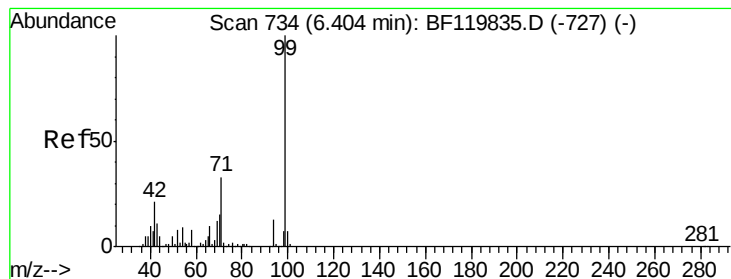
mohammad  
4/14/2020 3:38:12 PM



#6  
Aniline  
Concen: 35.072 ng  
RT: 6.40 min Scan# 733  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 49.9  | 34.2  | 51.2  |
| 65      | 28.6  | 18.3  | 27.5# |





#7

Phenol-d6

Concen: 117.514 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion: 99 Resp: 2055129

Ion Ratio Lower Upper

99 100

42 19.5 16.9 25.3

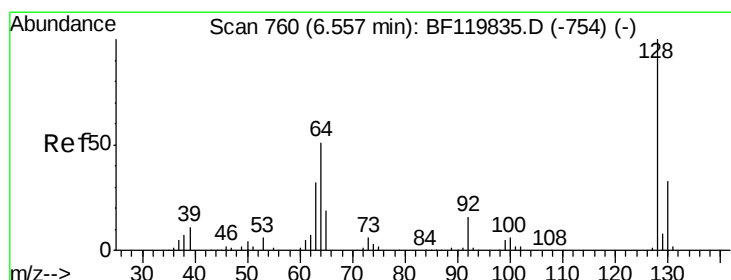
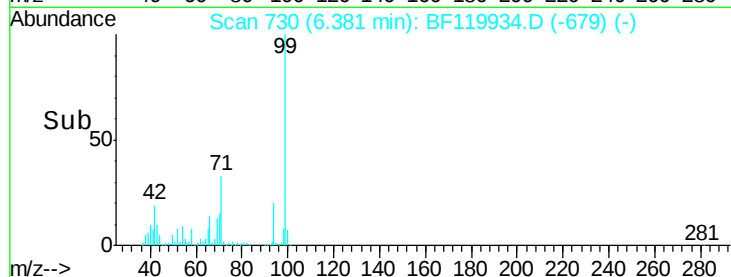
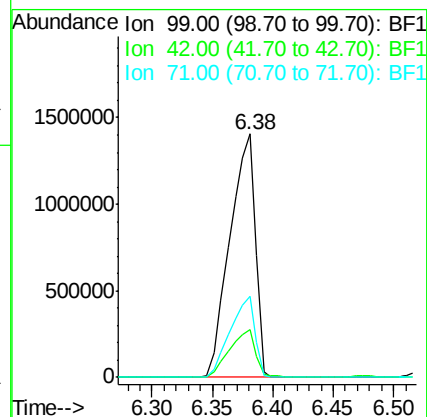
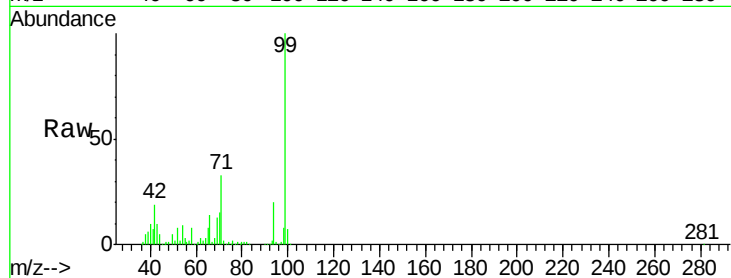
71 33.1 26.3 39.5

Manual Integrations

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#8

2-Chlorophenol

Concen: 43.828 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

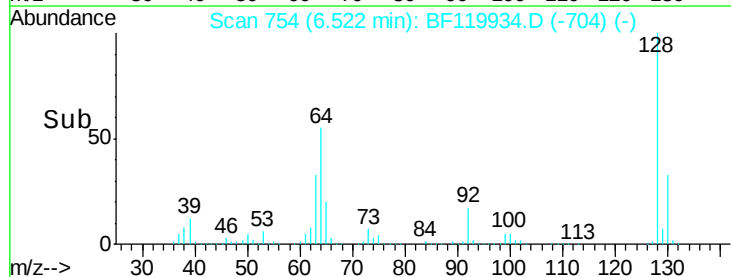
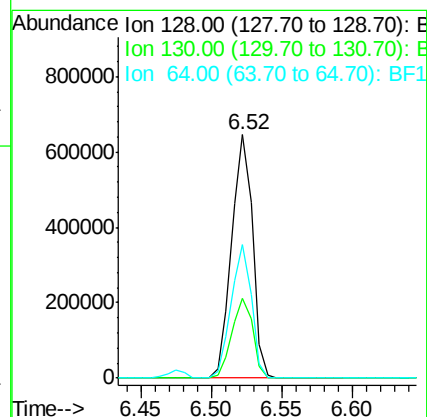
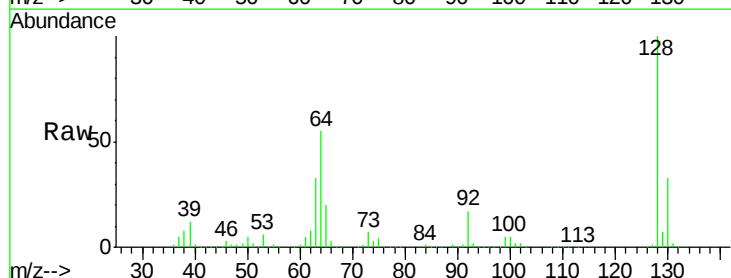
Tgt Ion: 128 Resp: 664634

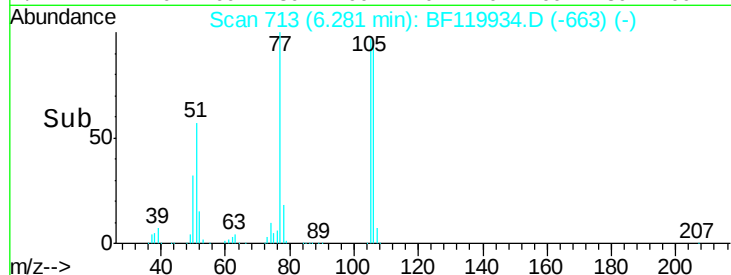
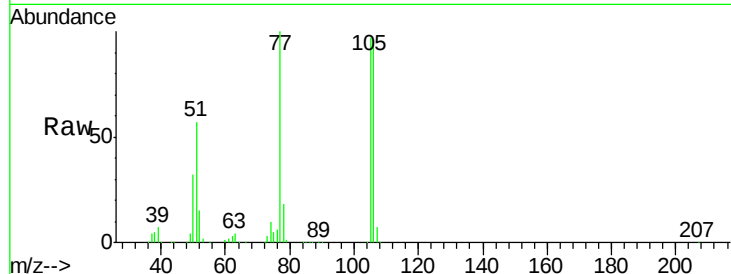
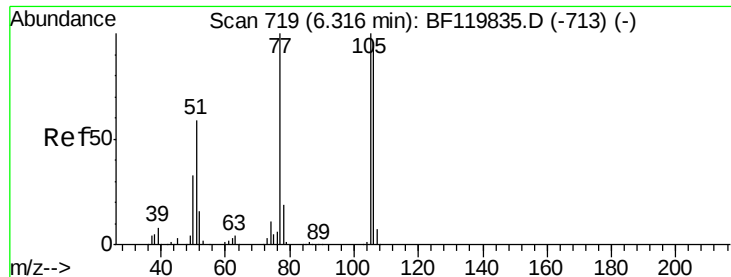
Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

64 54.8 32.0 72.0





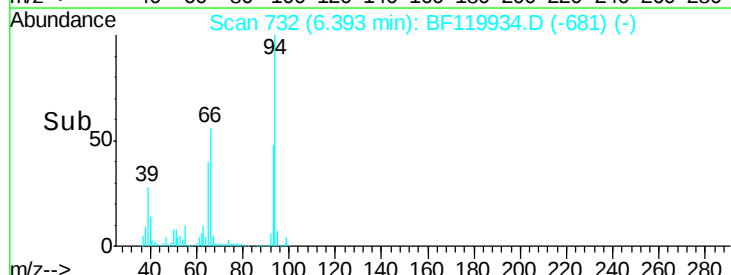
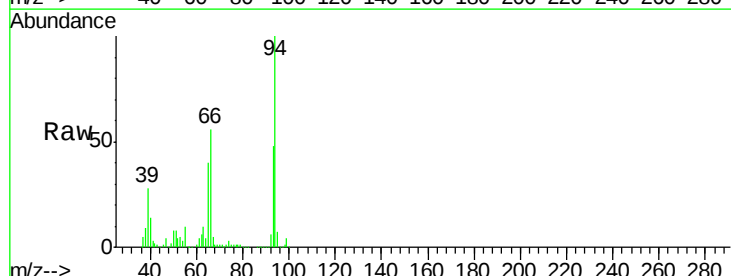
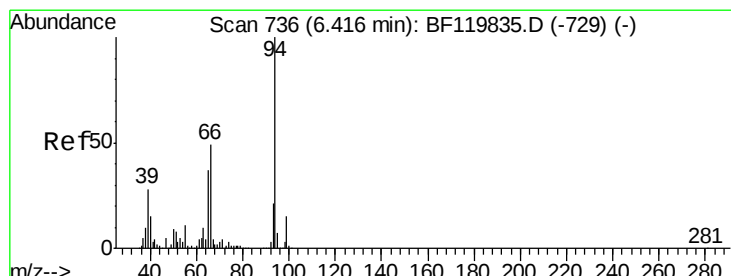
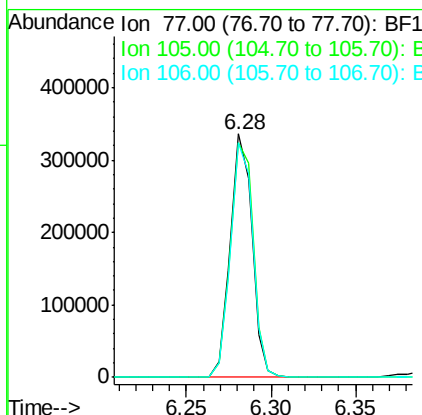
#9  
Benzaldehyde  
Concen: 28.116 ng  
RT: 6.28 min Scan# 713  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 77      | 100  |       |       |       |       |
| 105     | 96.6 | 79.9  | 119.9 |       |       |
| 106     | 96.1 | 76.4  | 116.4 |       |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

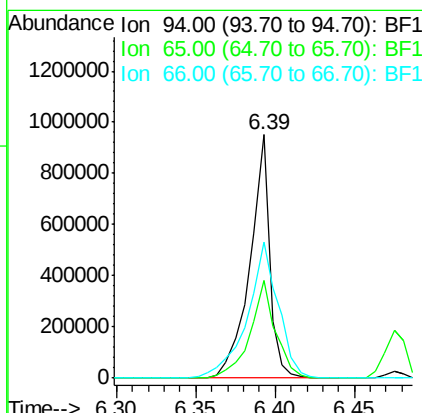
Manual Integrations  
APPROVED

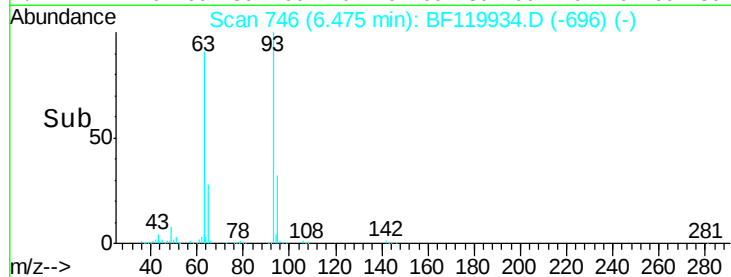
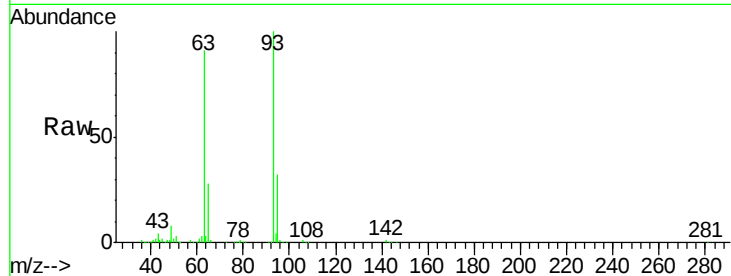
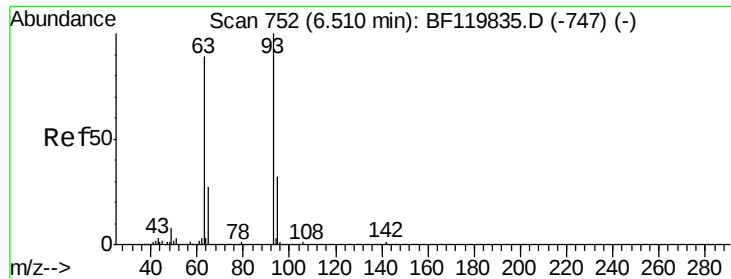
mohammad  
4/14/2020 3:38:12 PM



#10  
Phenol  
Concen: 41.497 ng  
RT: 6.39 min Scan# 732  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 40.2 | 16.6  | 56.6 |       |       |
| 66      | 55.9 | 29.3  | 69.3 |       |       |





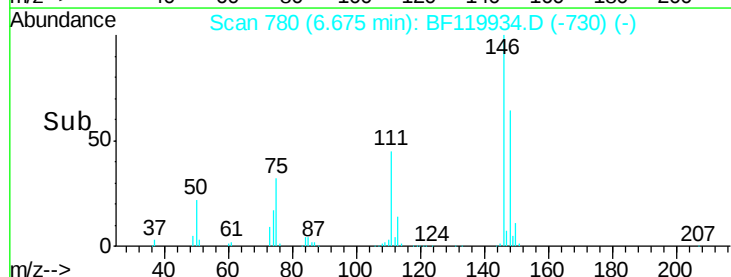
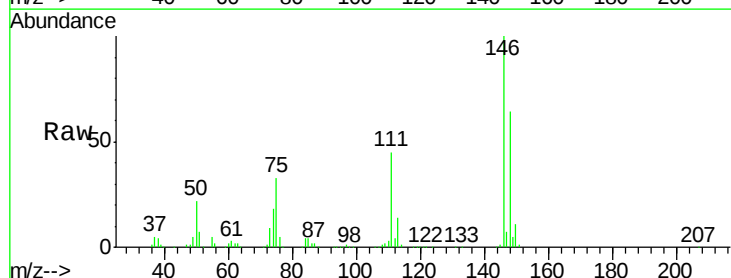
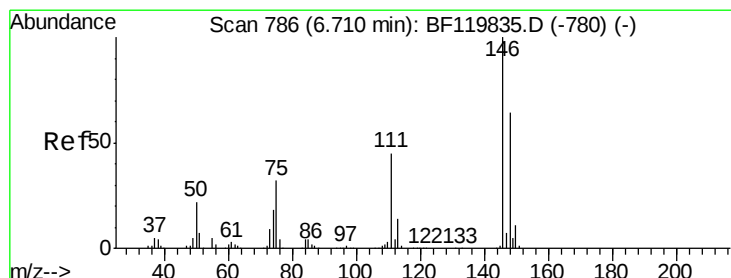
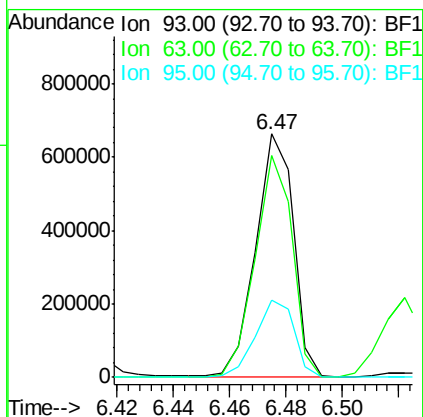
#11  
bis(2-Chloroethyl)ether  
Concen: 40.241 ng  
RT: 6.47 min Scan# 746  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 616462 |       |       |
| 63      | 91.2  | 69.1   | 109.1 |       |
| 95      | 32.0  | 12.3   | 52.3  |       |

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

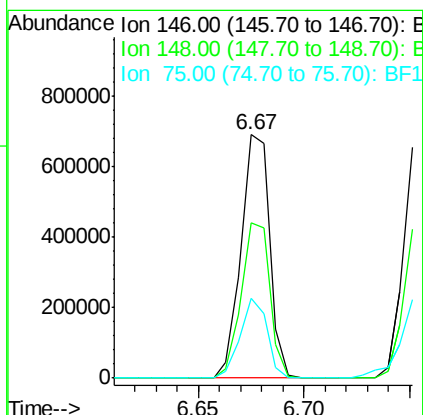
Manual Integrations  
APPROVED

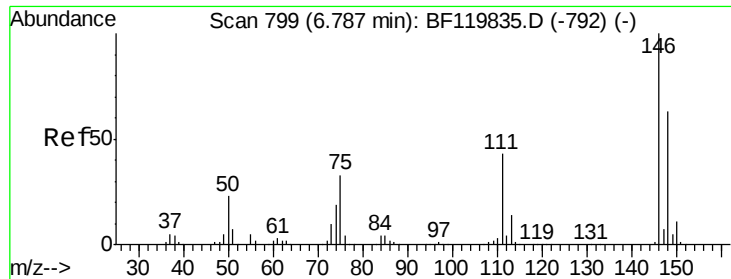
mohammad  
4/14/2020 3:38:12 PM



#12  
1,3-Dichlorobenzene  
Concen: 38.977 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 647091 |       |       |
| 148     | 63.7  | 51.3   | 76.9  |       |
| 75      | 32.6  | 25.3   | 37.9  |       |





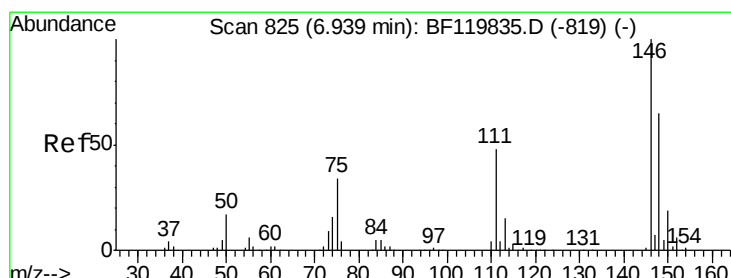
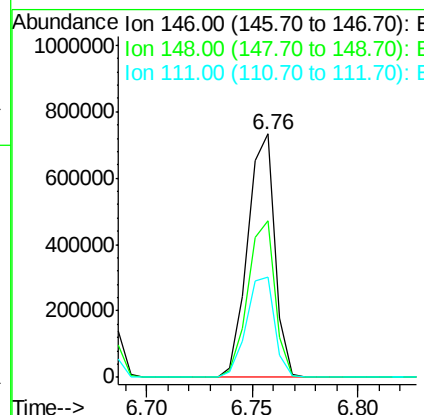
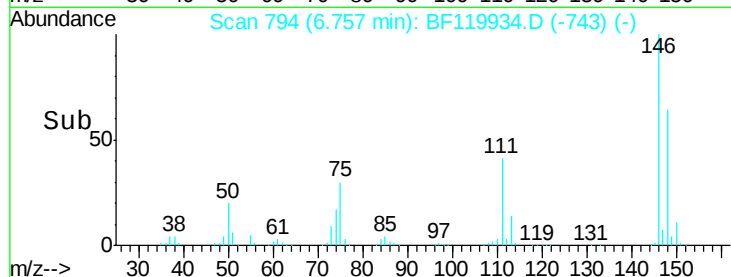
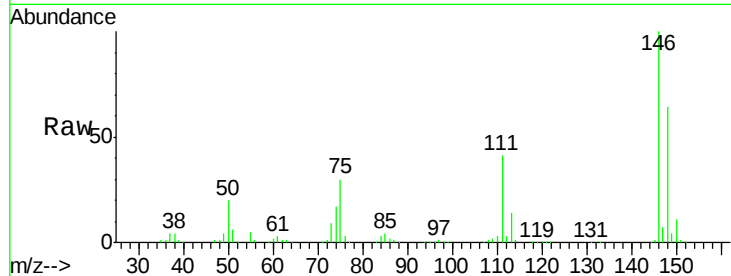
#13  
 1,4-Dichlorobenzene  
 Concen: 38.689 ng  
 RT: 6.76 min Scan# 794  
 Delta R.T. 0.00 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 50.5  | 75.7  |
| 111     | 41.1  | 34.7  | 52.1  |

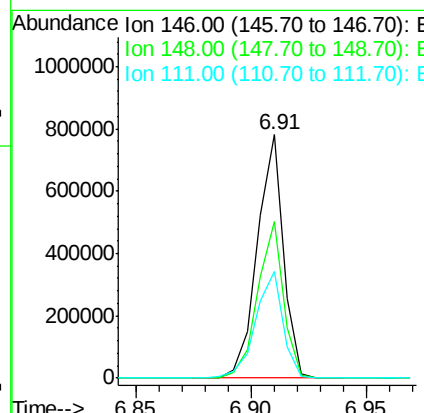
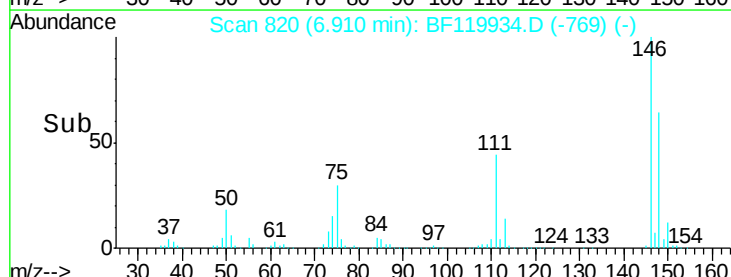
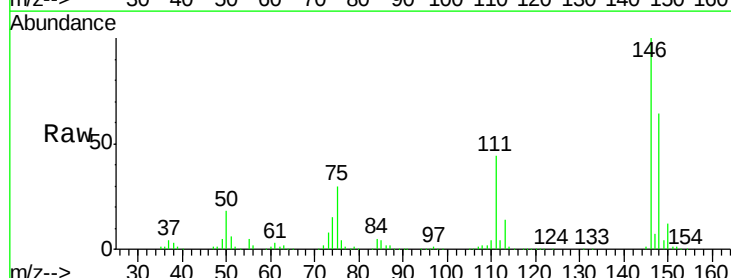
Manual Integrations  
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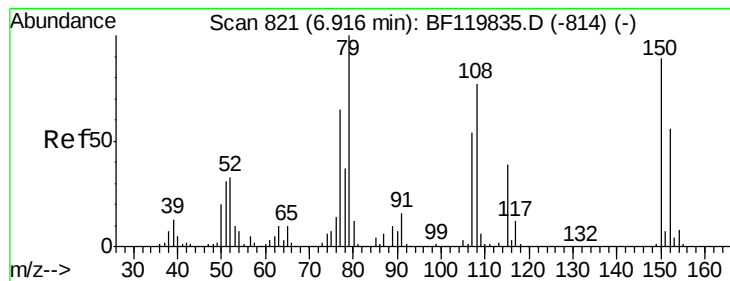
mohammad  
 4/14/2020 3:38:12 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 39.686 ng  
 RT: 6.91 min Scan# 820  
 Delta R.T. 0.00 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 51.8  | 77.8  |
| 111     | 43.9  | 38.0  | 57.0  |





#15

Benzyl Alcohol

Concen: 39.848 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampled :

PB128182BS

Tot Ion: 79 Resp: 541270

Ion Ratio Lower Upper

79 100

108 76.3 62.0 93.0

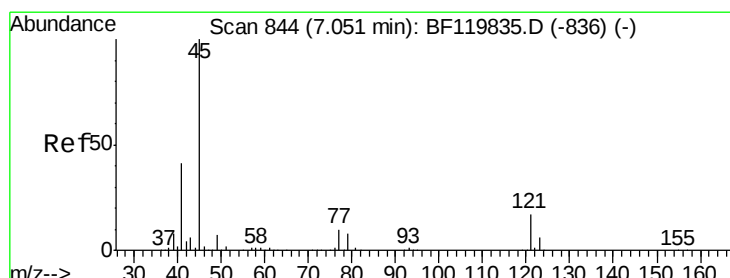
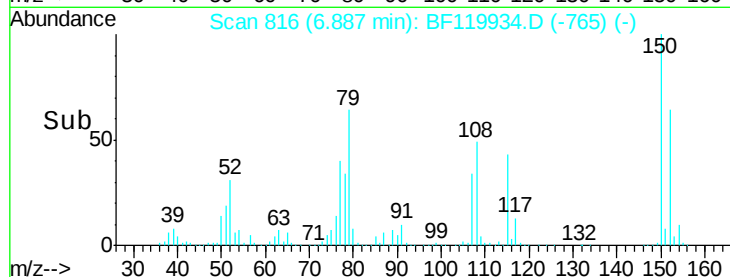
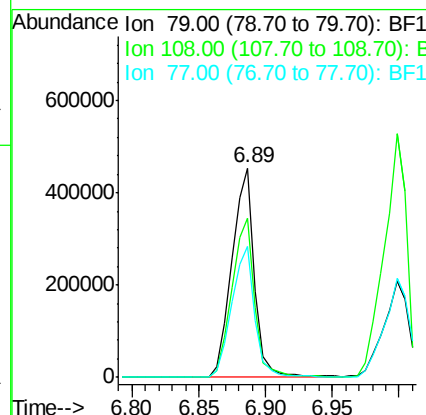
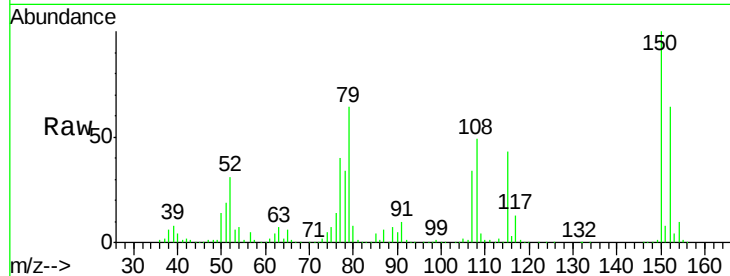
77 62.7 51.8 77.6

Manual Integrations

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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.398 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

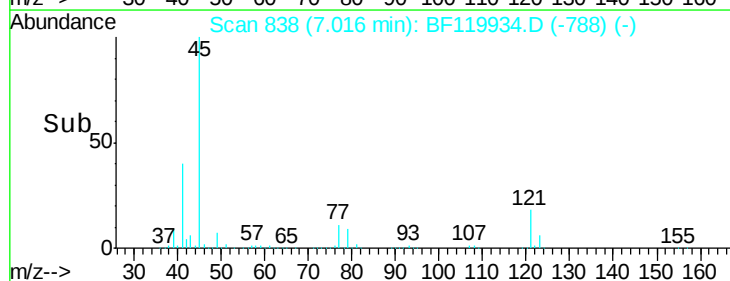
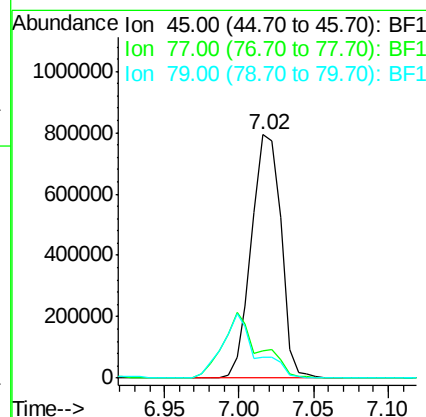
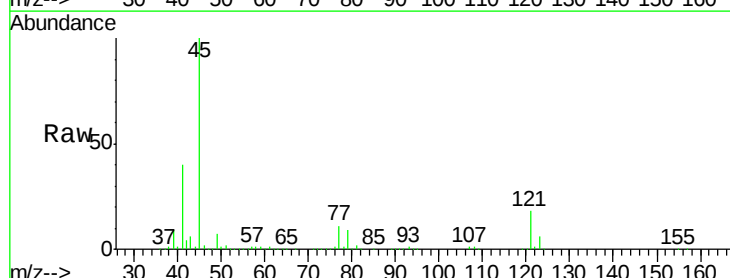
Tgt Ion: 45 Resp: 1085030

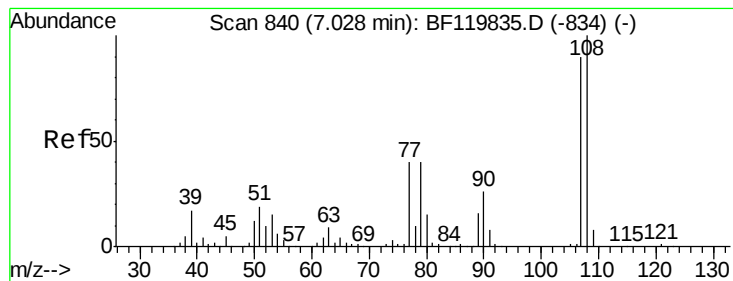
Ion Ratio Lower Upper

45 100

77 11.2 0.0 30.7

79 8.7 0.0 28.6





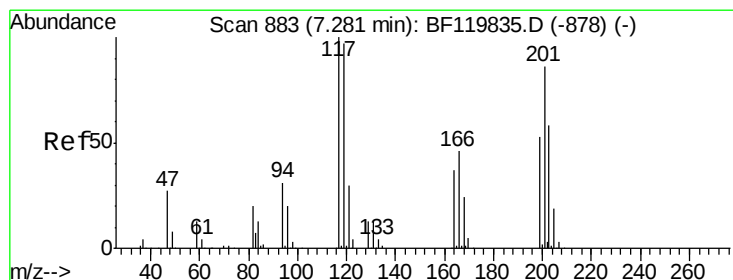
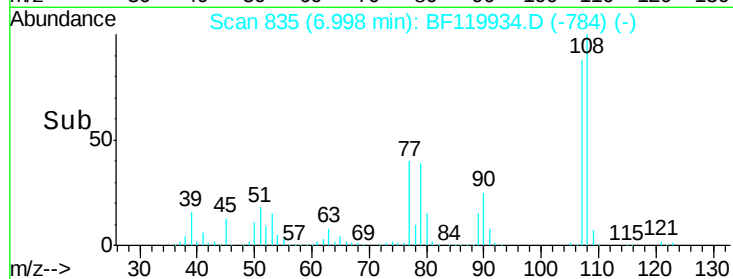
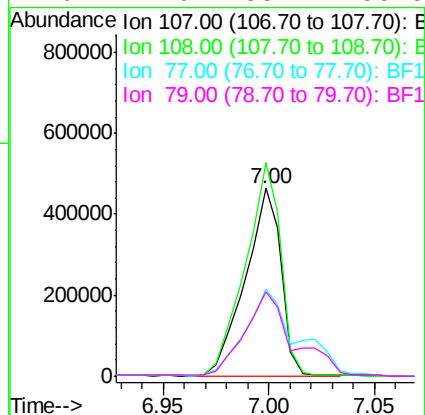
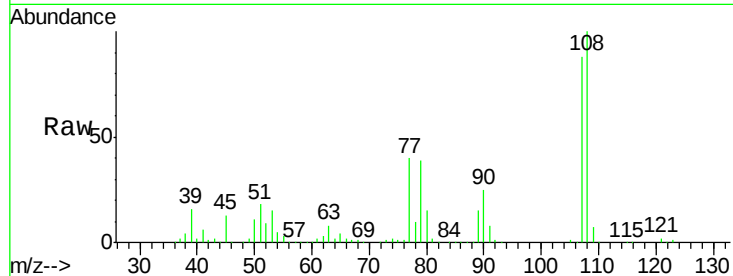
#17  
2-Methylphenol  
Concen: 39.945 ng  
RT: 7.00 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.8 | 88.8 | 133.2 |       |
| 77      | 46.1  | 36.0 | 54.0  |       |
| 79      | 44.9  | 35.7 | 53.5  |       |

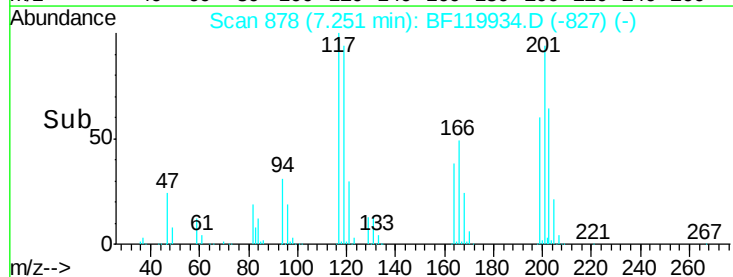
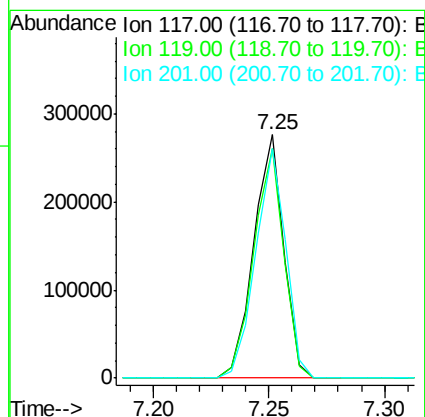
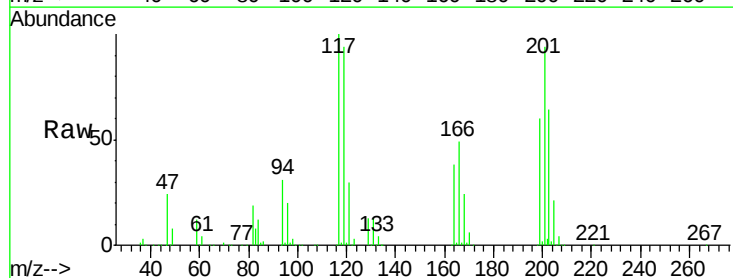
Manual Integrations  
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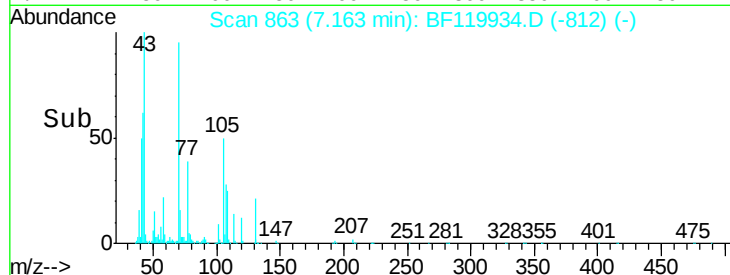
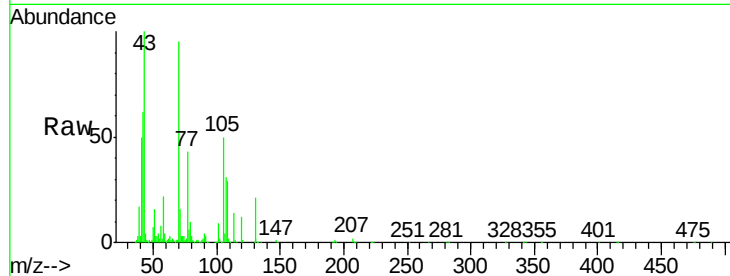
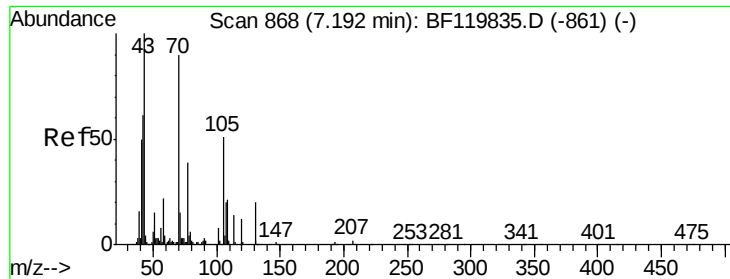
mohammad  
4/14/2020 3:38:12 PM



#18  
Hexachloroethane  
Concen: 39.551 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.2  | 77.4 | 116.0 |       |
| 201     | 94.0  | 68.4 | 102.6 |       |





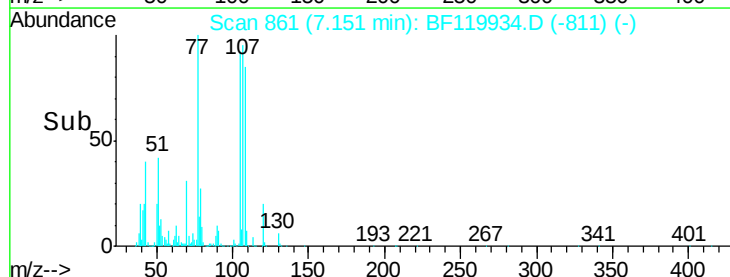
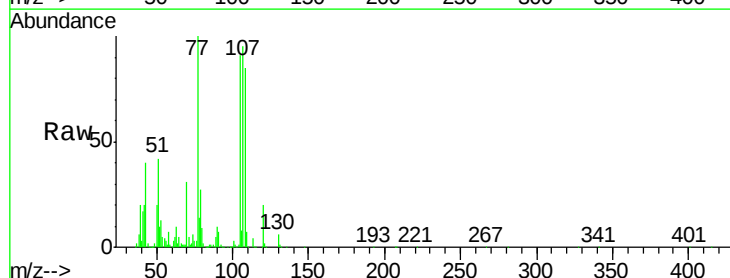
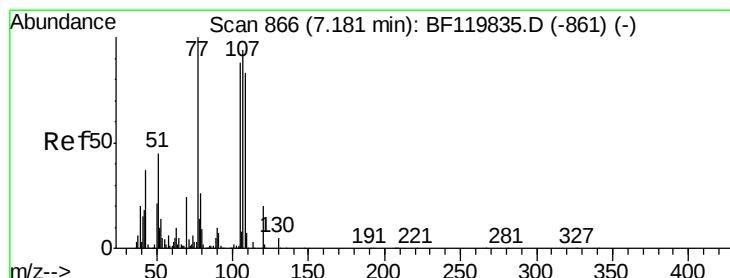
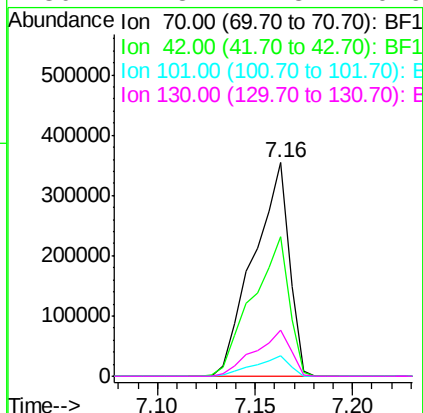
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.209 ng  
RT: 7.16 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampled :  
PB128182BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 65.4 | 54.2  | 81.4  |       |
| 101     | 9.7  | 7.4   | 11.2  |       |
| 130     | 21.8 | 17.8  | 26.6  |       |

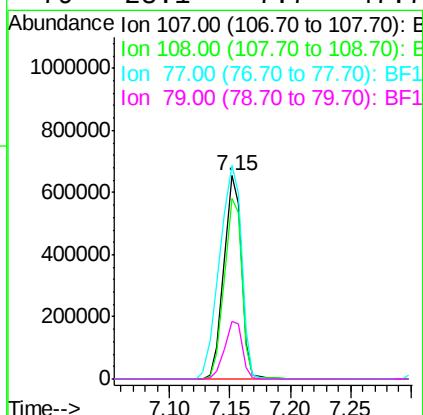
Manual Integrations  
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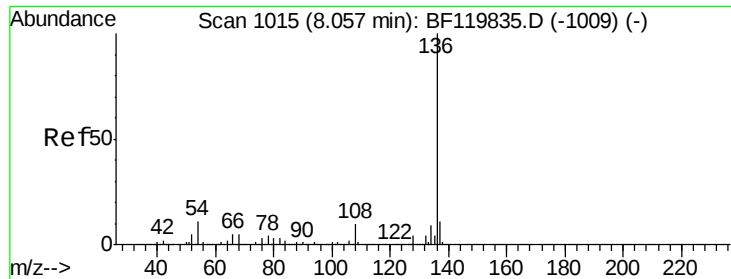
mohammad  
4/14/2020 3:38:12 PM



#20  
3+4-Methylphenols  
Concen: 39.810 ng  
RT: 7.15 min Scan# 861  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   |       |       |       |
| 108     | 89.1  | 68.2  | 108.2 |       |
| 77      | 105.3 | 86.6  | 126.6 |       |
| 79      | 28.1  | 7.7   | 47.7  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

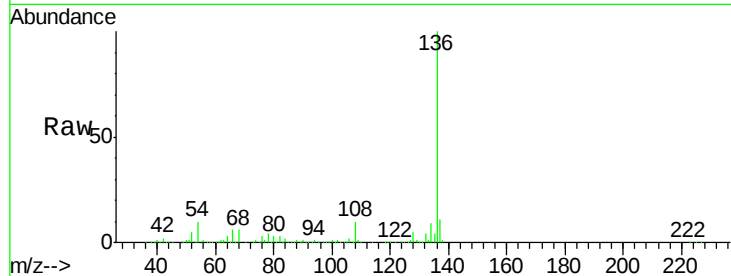
ClientSampleId :

PB128182BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 923949 |       |       |
| 137     | 11.1  | 8.7    | 13.1  |       |
| 54      | 10.4  | 8.5    | 12.7  |       |
| 68      | 6.1   | 3.9    | 5.9   |       |

Manual Integrations  
APPROVED

mohammad  
4/14/2020 3:38:12 PM

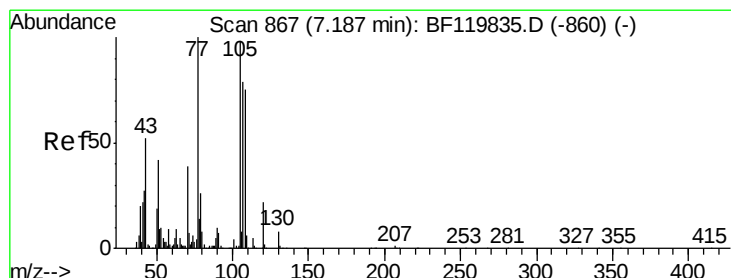
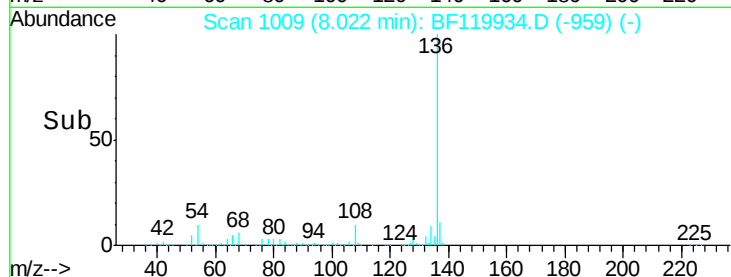
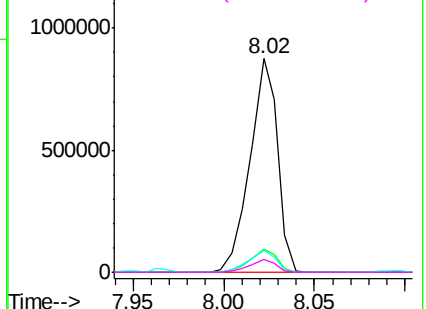


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.609 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

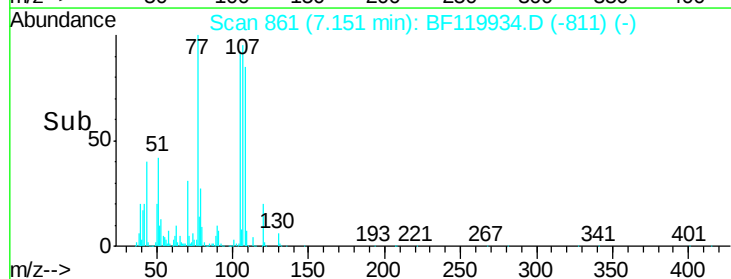
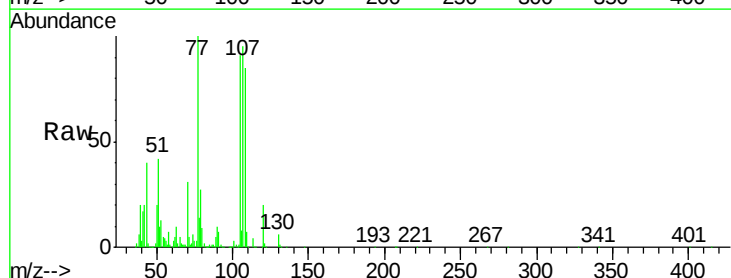
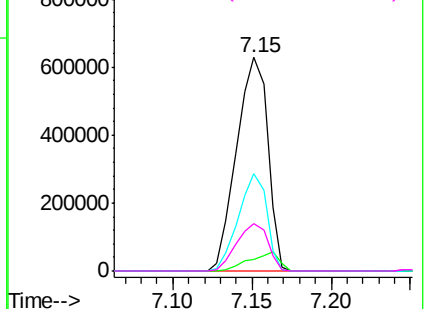
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 856971 |       |       |
| 71      | 5.3   | 5.6    | 8.4   |       |
| 51      | 45.5  | 33.9   | 50.9  |       |
| 120     | 22.2  | 17.8   | 26.8  |       |

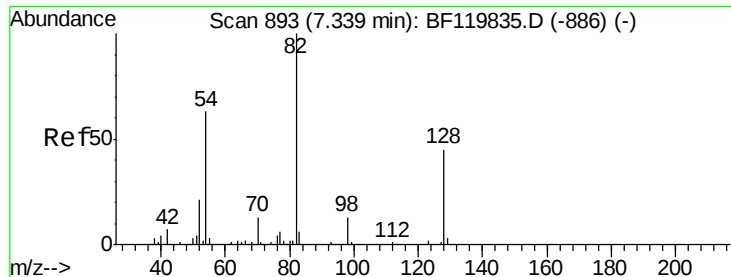
Abundance Ion 105.00 (104.70 to 105.70): E

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





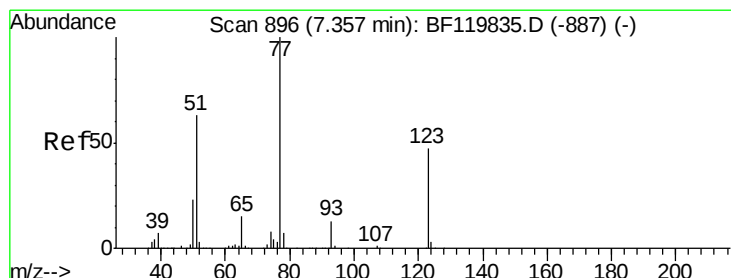
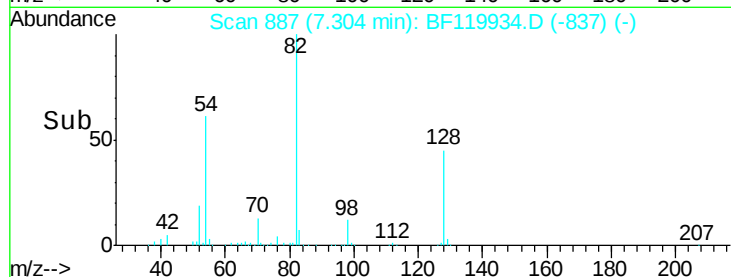
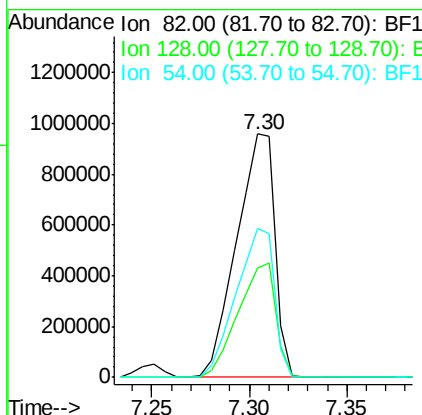
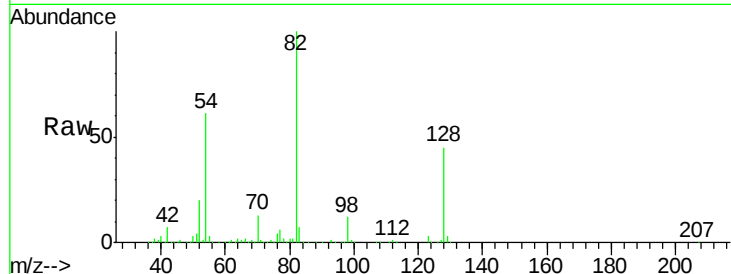
#23  
Nitrobenzene-d5  
Concen: 72.916 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.9  | 36.2  | 54.4  |
| 54      | 61.2  | 50.4  | 75.6  |

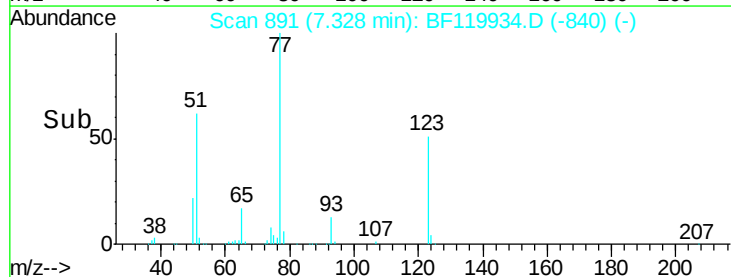
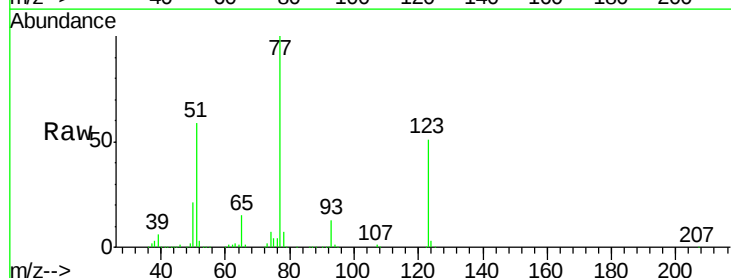
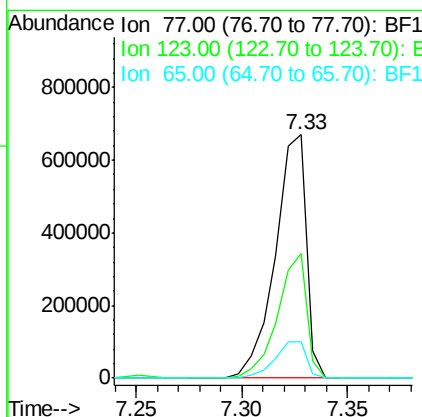
Manual Integrations  
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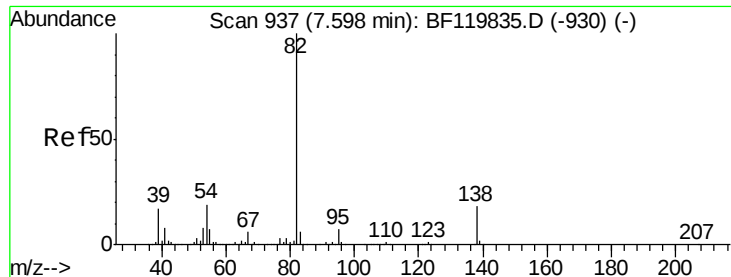
mohammad  
4/14/2020 3:38:12 PM



#24  
Nitrobenzene  
Concen: 38.326 ng  
RT: 7.33 min Scan# 891  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 51.3  | 37.8  | 56.8  |
| 65      | 15.1  | 12.2  | 18.2  |





#25

Isophorone

Concen: 37.606 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion: 82 Resp: 1294700

Ion Ratio Lower Upper

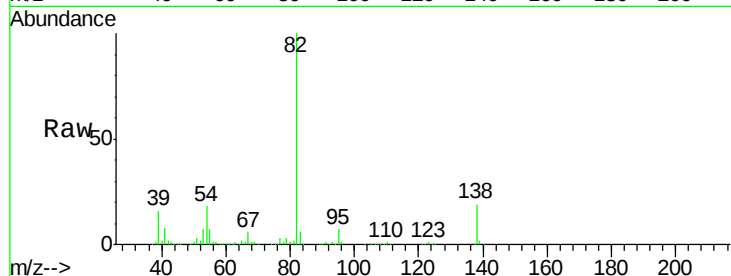
82 100

95 7.3 5.8 8.6

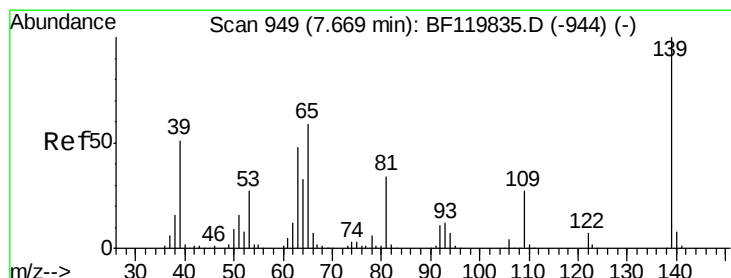
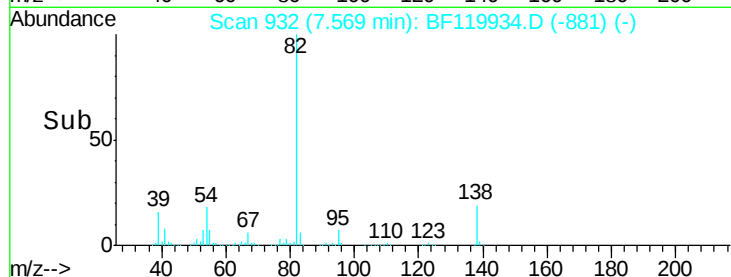
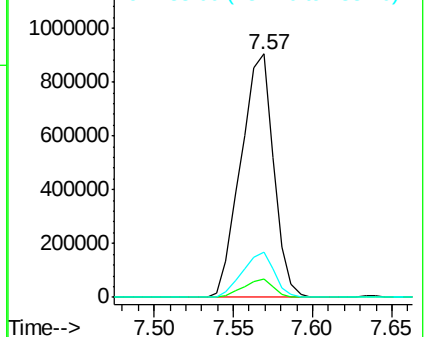
138 18.7 14.5 21.7

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Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 40.326 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

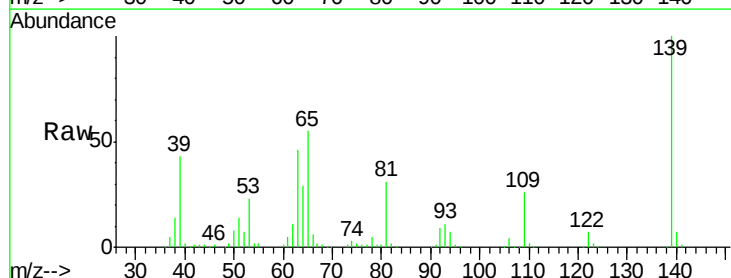
Tgt Ion: 139 Resp: 361967

Ion Ratio Lower Upper

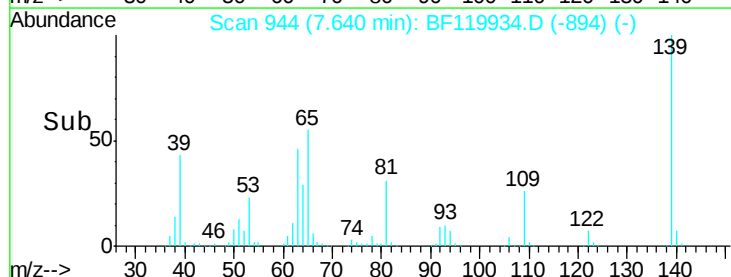
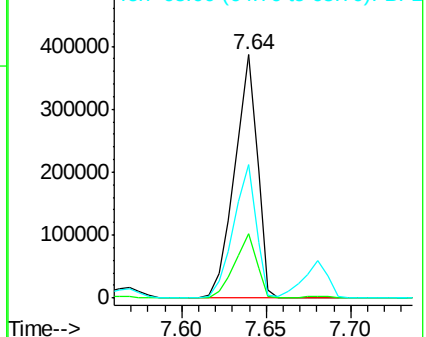
139 100

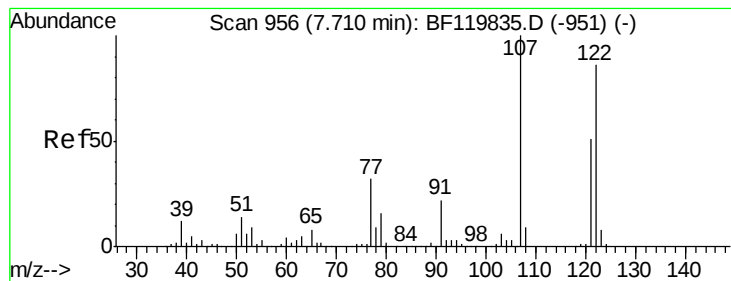
109 26.2 21.8 32.6

65 54.8 47.0 70.4



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





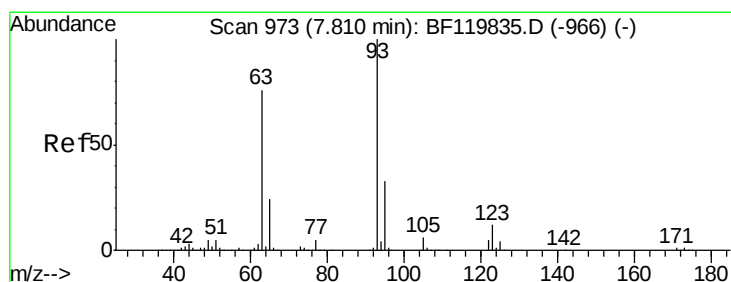
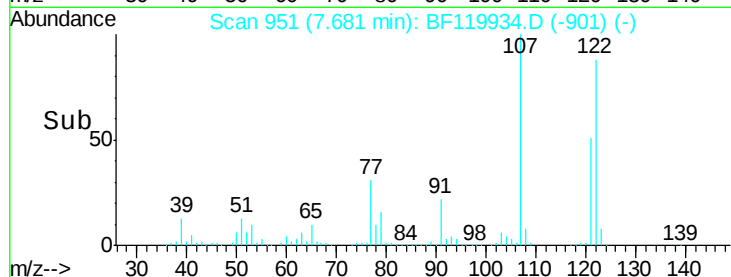
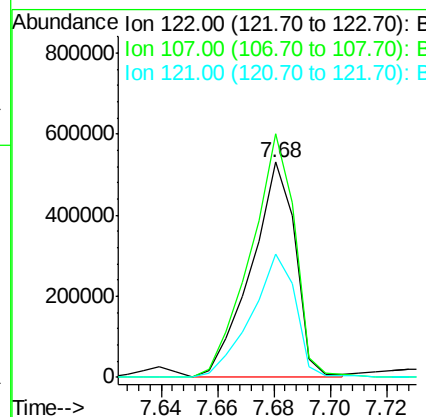
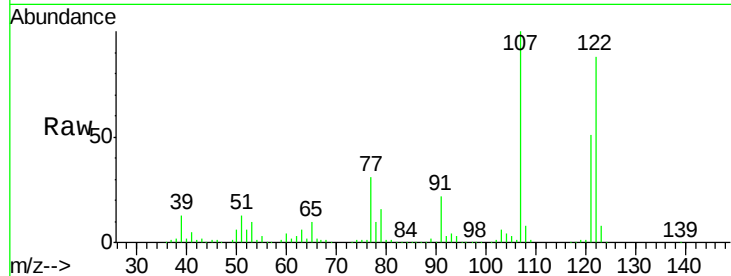
#27  
2,4-Dimethylphenol  
Concen: 42.575 ng  
RT: 7.68 min Scan# 951  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 576358 |       |       |
| 107     | 113.3 | 92.3   | 138.5 |       |
| 121     | 57.5  | 46.6   | 70.0  |       |

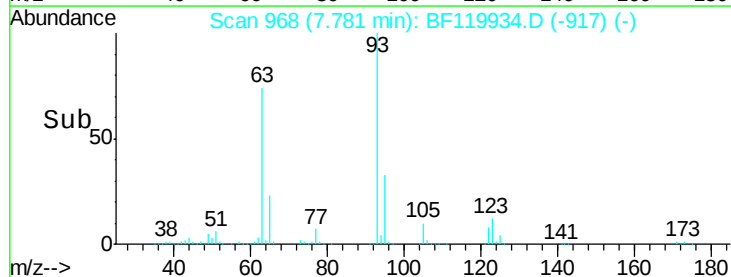
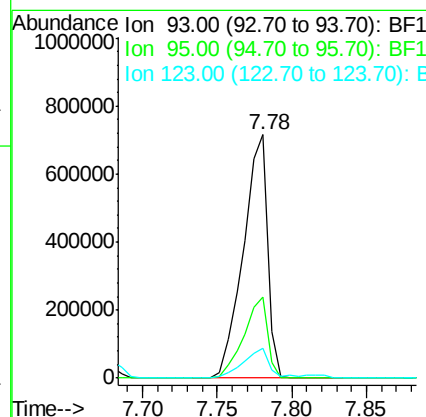
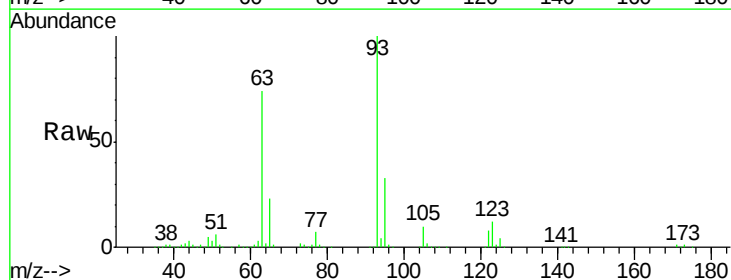
Manual Integrations  
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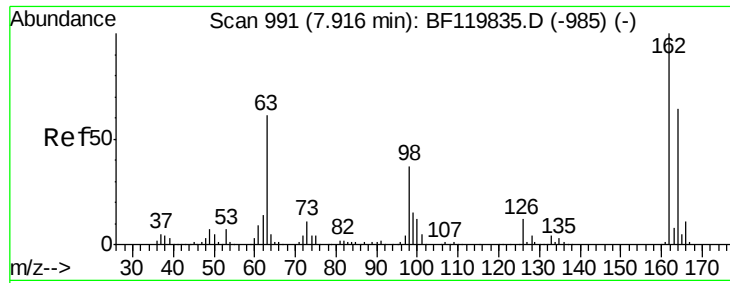
mohammad  
4/14/2020 3:38:12 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.060 ng  
RT: 7.78 min Scan# 968  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 811576 |       |       |
| 95      | 33.3  | 26.4   | 39.6  |       |
| 123     | 12.3  | 9.7    | 14.5  |       |





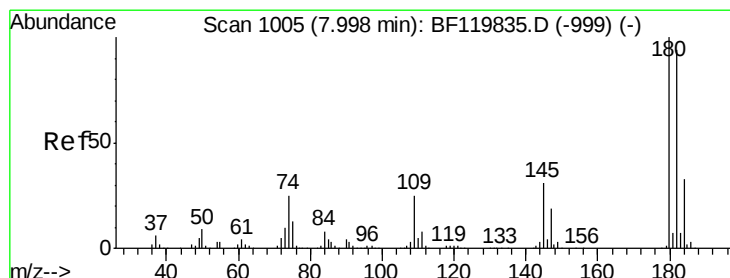
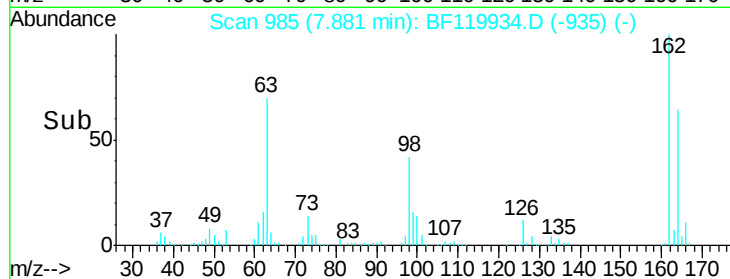
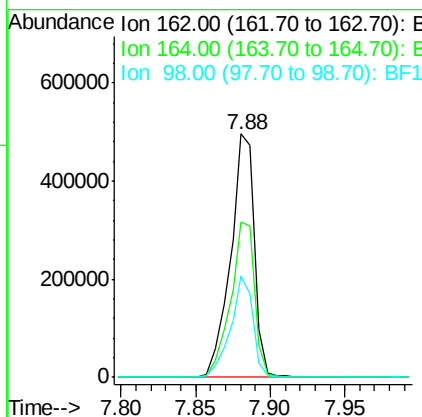
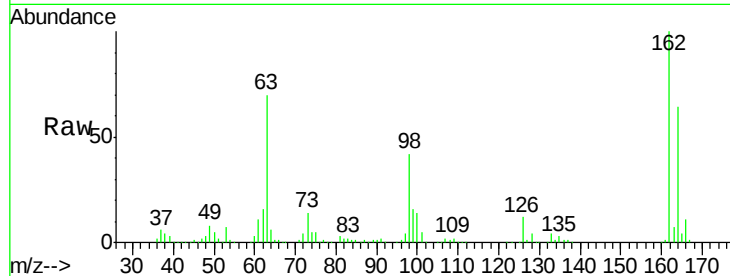
#29  
2,4-Dichlorophenol  
Concen: 40.270 ng  
RT: 7.88 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 63.6  | 44.4       | 84.4       |
| 98      | 41.5  | 17.3       | 57.3       |

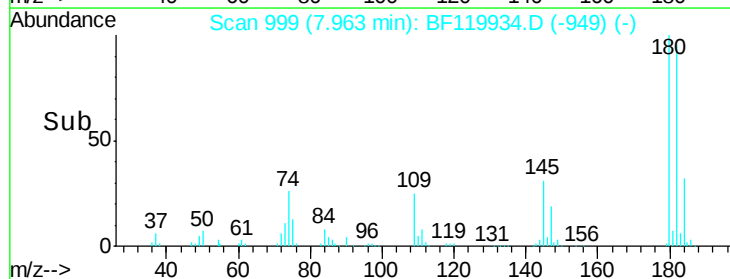
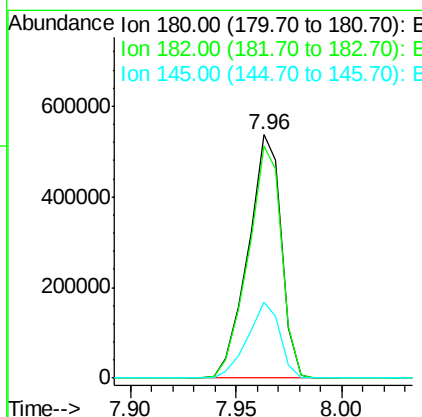
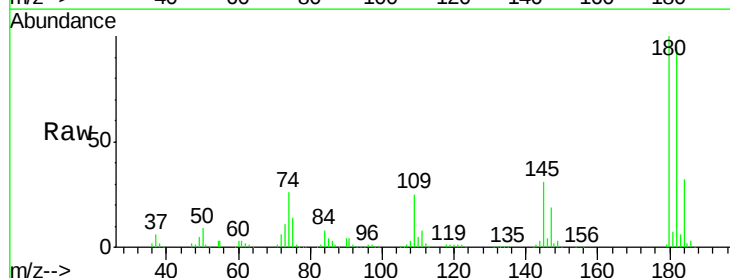
Manual Integrations  
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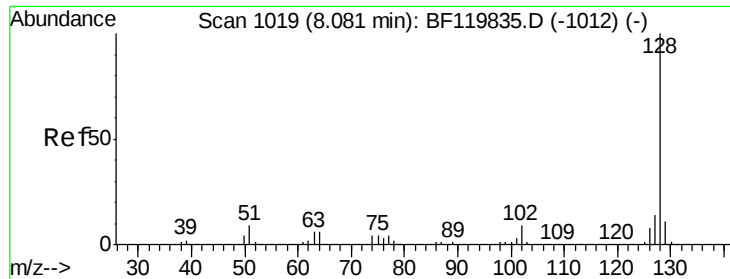
mohammad  
4/14/2020 3:38:12 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 37.194 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.2  | 75.4       | 113.0      |
| 145     | 31.4  | 24.6       | 37.0       |





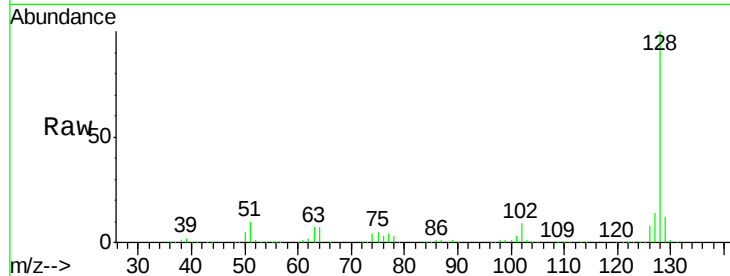
#31  
Naphthalene  
Concen: 38.600 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

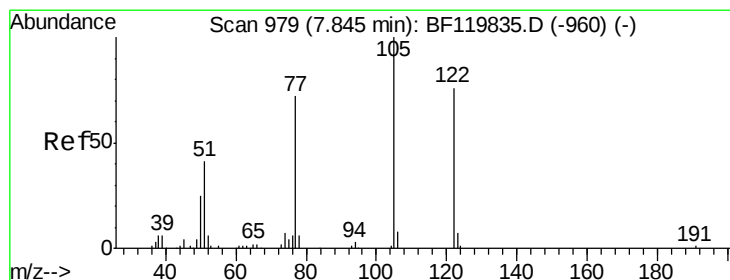
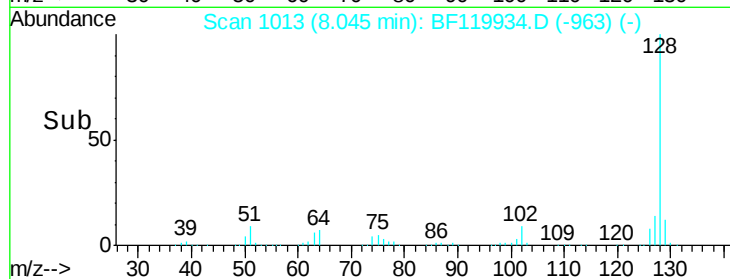
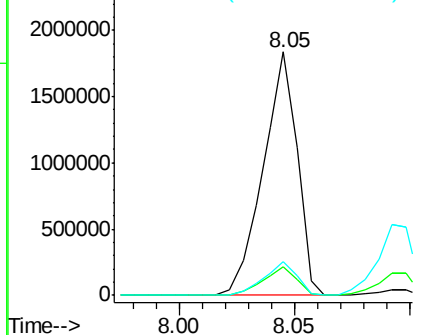
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.0  | 9.0   | 13.6  |
| 127     | 13.9  | 11.0  | 16.4  |

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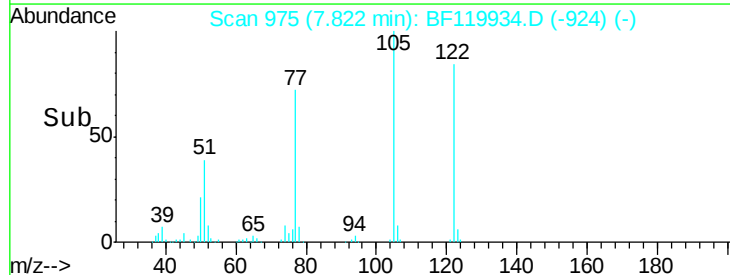
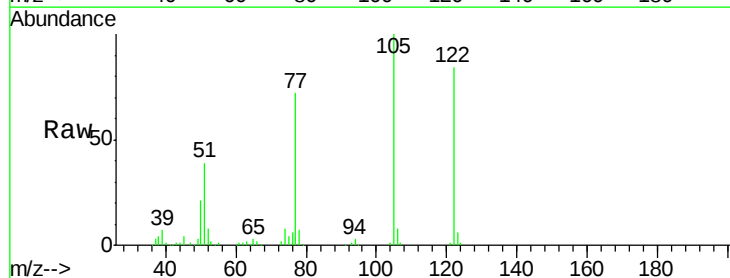
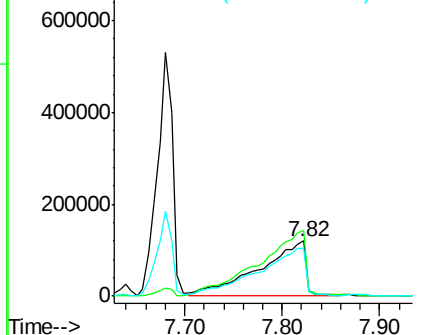
Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

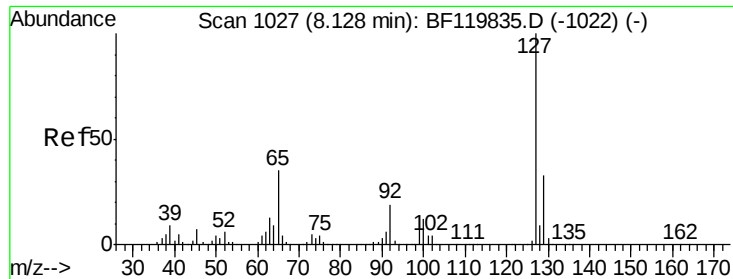


#32  
Benzoic acid  
Concen: 32.611 ng  
RT: 7.82 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 119.3 | 106.7 | 146.7 |
| 77      | 86.0  | 72.1  | 112.1 |

Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





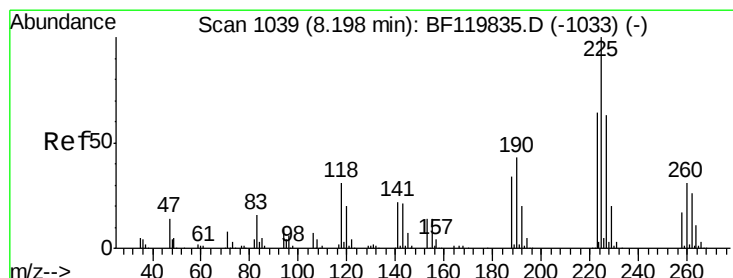
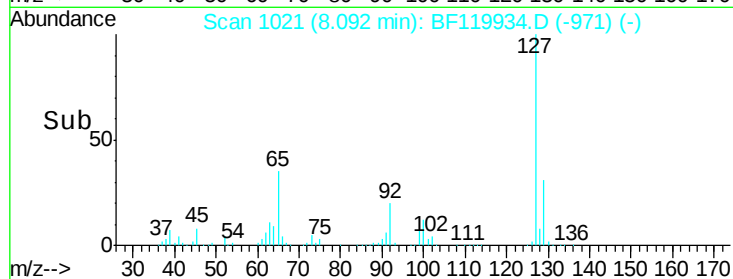
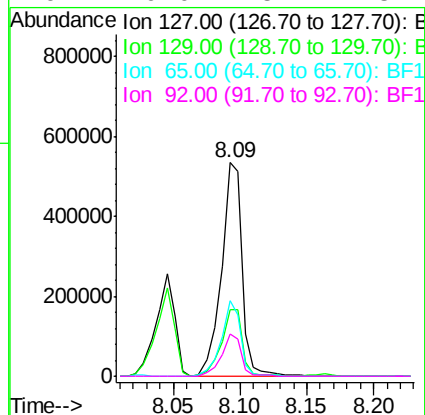
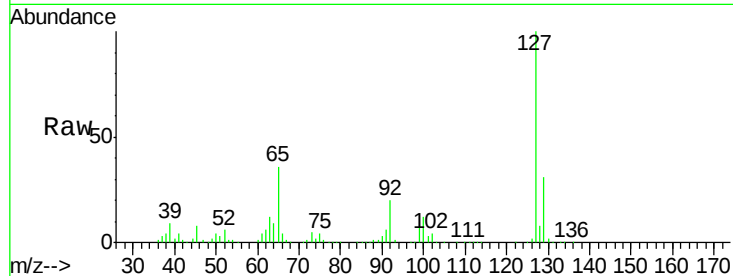
#33  
4-Chloroaniline  
Concen: 27.548 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 31.4 | 26.2  | 39.2 |       |       |
| 65      | 35.6 | 28.3  | 42.5 |       |       |
| 92      | 20.0 | 15.4  | 23.2 |       |       |

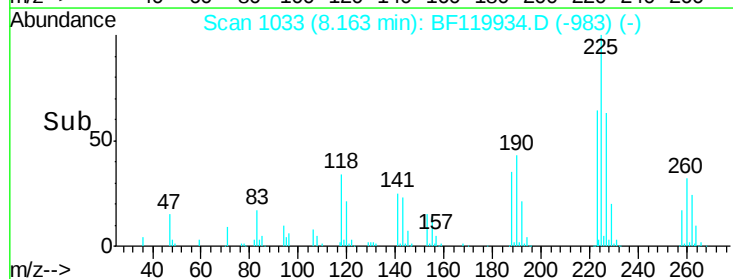
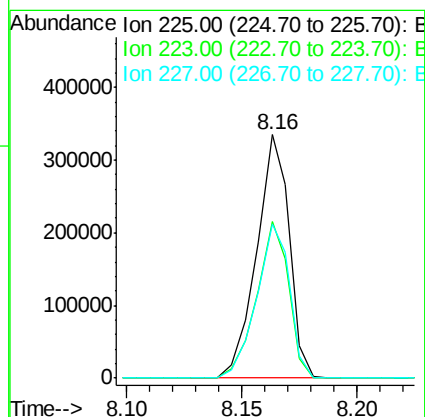
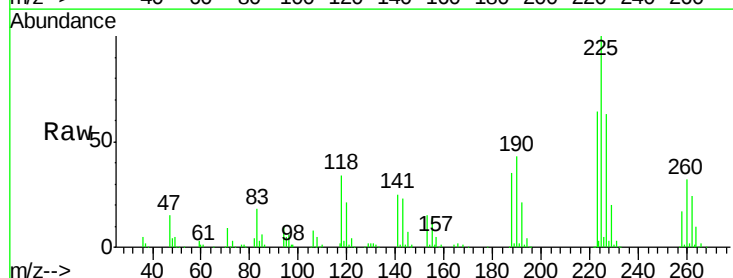
Manual Integrations  
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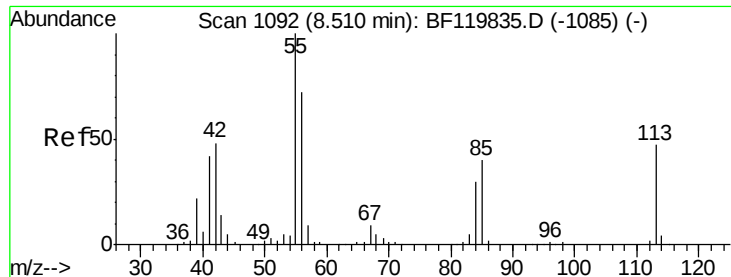
mohammad  
4/14/2020 3:38:12 PM



#34  
Hexachlorobutadiene  
Concen: 35.110 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 64.2 | 51.0  | 76.6 |       |       |
| 227     | 63.2 | 50.4  | 75.6 |       |       |





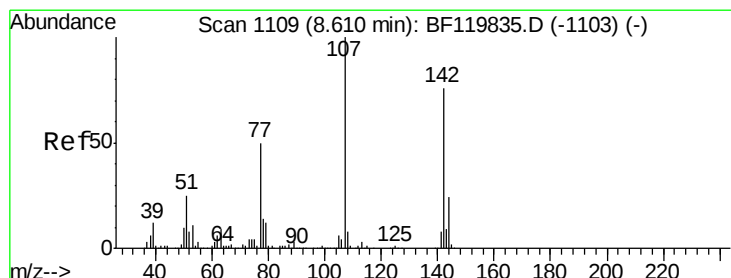
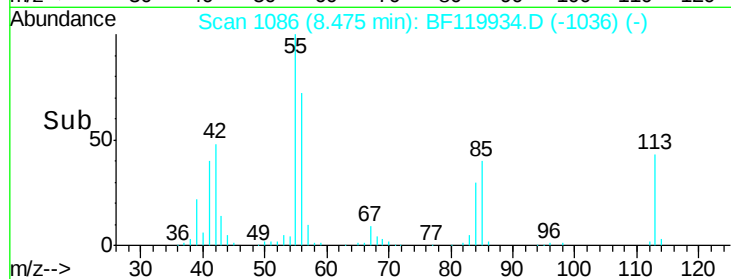
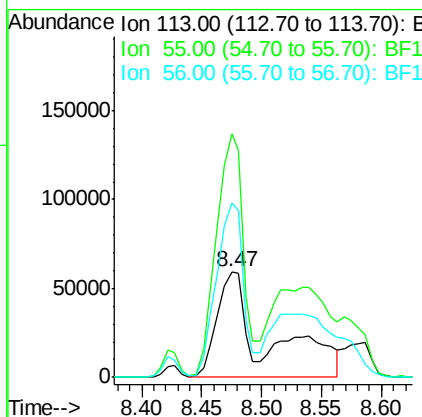
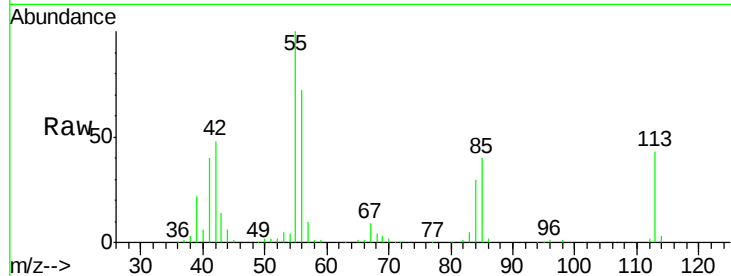
#35  
 Caprolactam  
 Concen: 40.103 ng/ml  
 RT: 8.47 min Scan# 1086  
 Delta R.T. -0.01 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 231.1 | 192.7 | 232.7 |
| 56      | 166.2 | 133.3 | 173.3 |

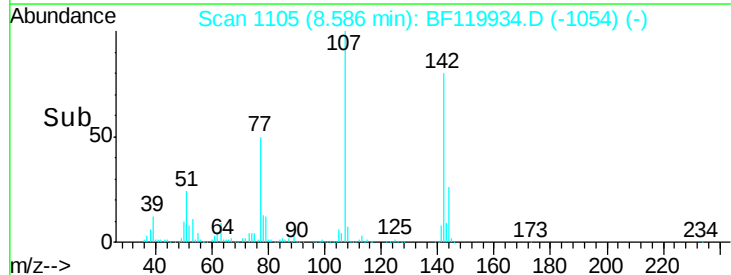
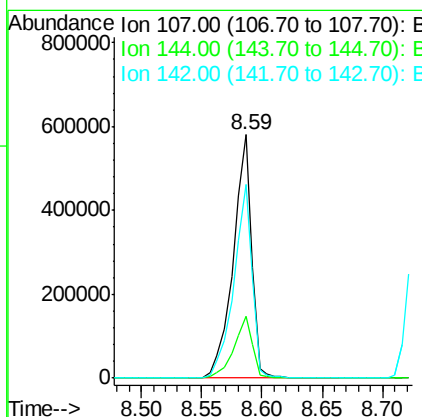
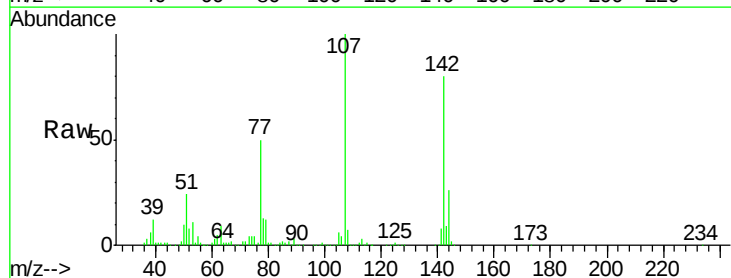
Manual Integrations  
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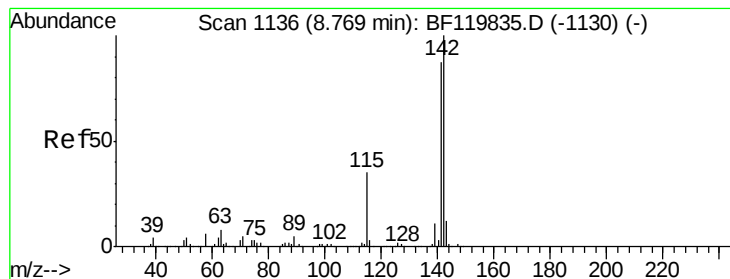
mohammad  
 4/14/2020 3:38:12 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.252 ng/ml  
 RT: 8.59 min Scan# 1105  
 Delta R.T. -0.00 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.5  | 19.5  | 29.3  |
| 142     | 79.7  | 60.5  | 90.7  |





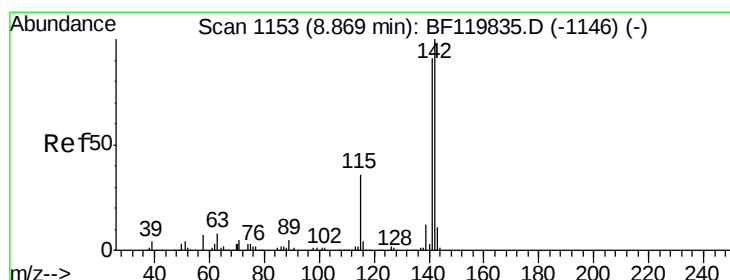
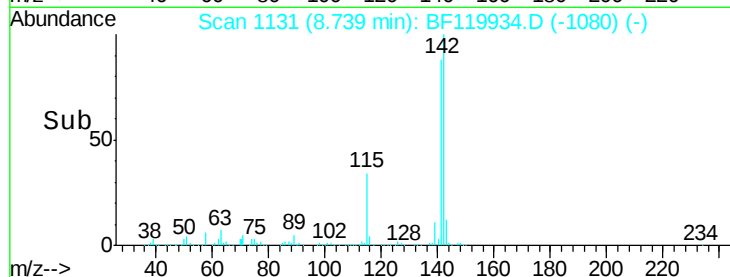
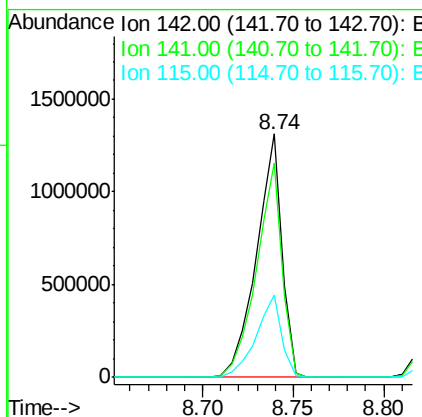
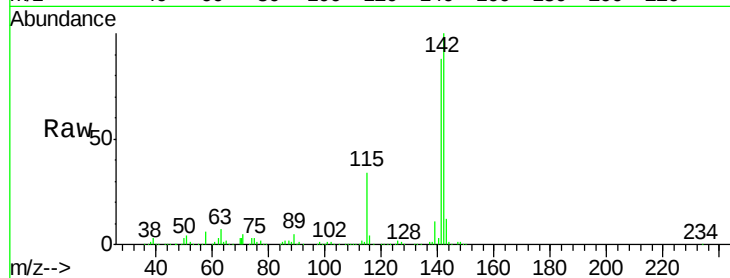
#37  
2-Methylnaphthalene  
Concen: 38.839 ng  
RT: 8.74 min Scan# 1131  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

Tot Ion:142 Resp: 1280016  
Ion Ratio Lower Upper  
142 100  
141 88.1 69.9 104.9  
115 33.7 28.0 42.0

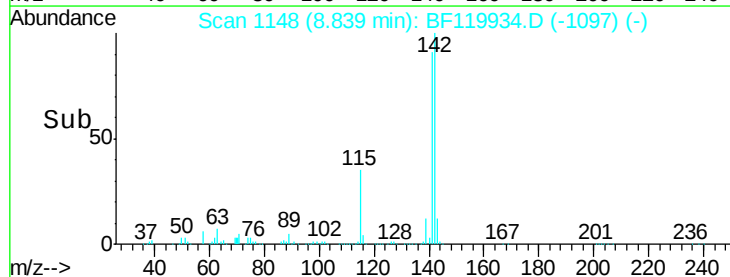
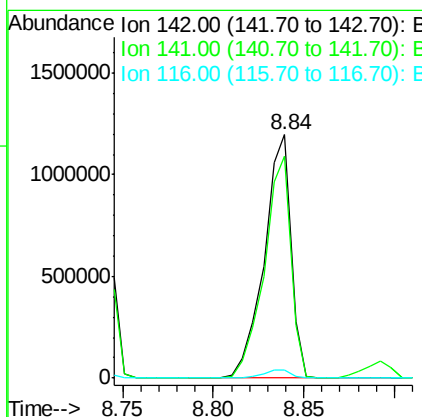
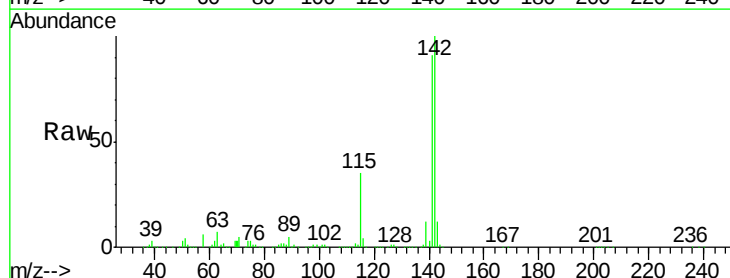
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APPROVED

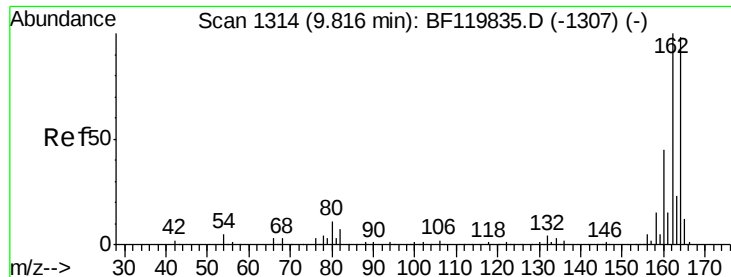
mohammad  
4/14/2020 3:38:12 PM



#38  
1-Methylnaphthalene  
Concen: 39.450 ng  
RT: 8.84 min Scan# 1148  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Tgt Ion:142 Resp: 1225452  
Ion Ratio Lower Upper  
142 100  
141 91.4 72.9 109.3  
116 3.5 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

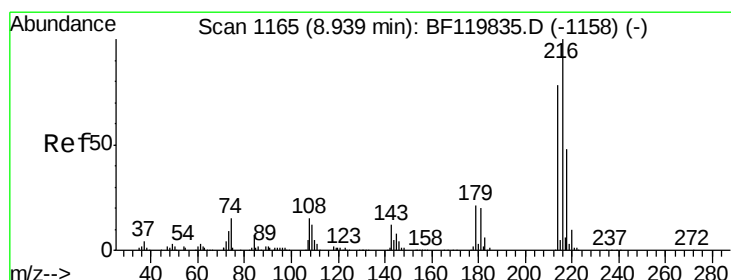
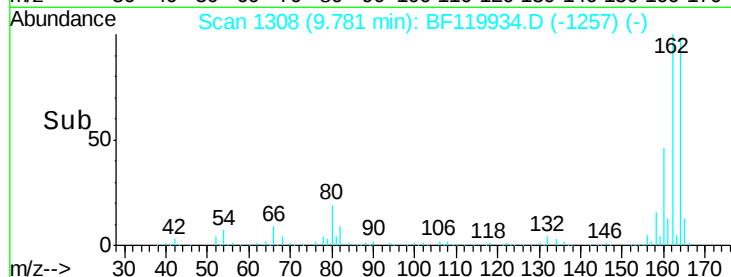
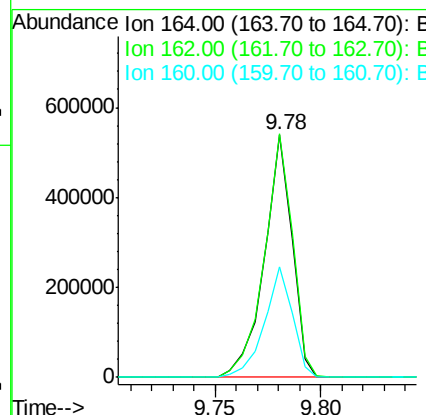
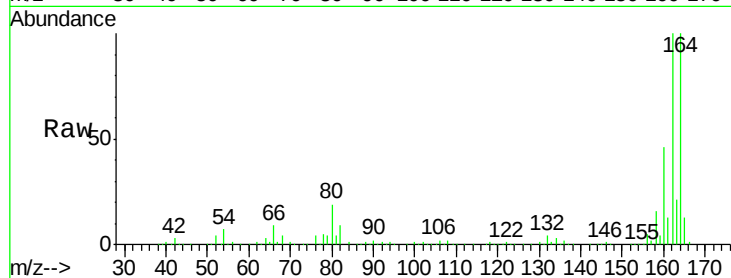
ClientSampleId :

PB128182BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 497597 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.3 | 81.9  | 122.9  |
| 160       | 45.7  | 36.6  | 54.8   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 35.470 ng

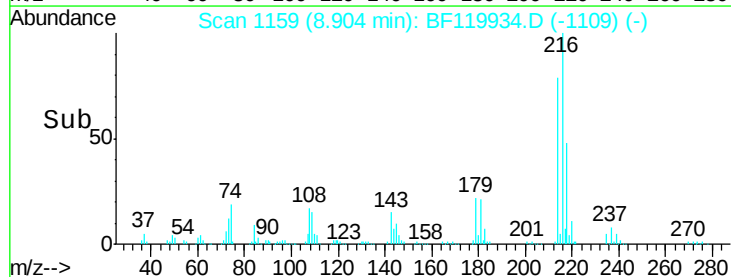
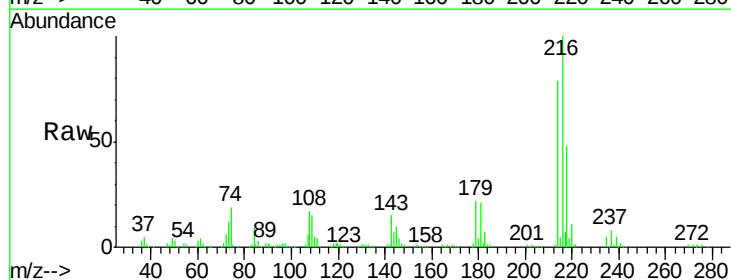
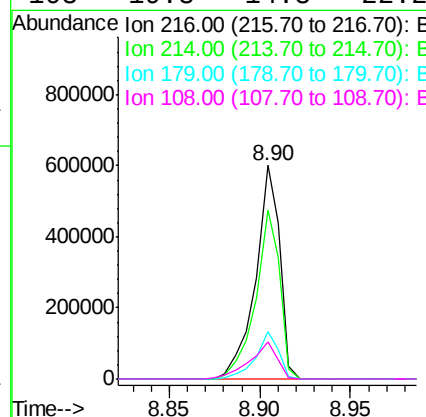
RT: 8.90 min Scan# 1159

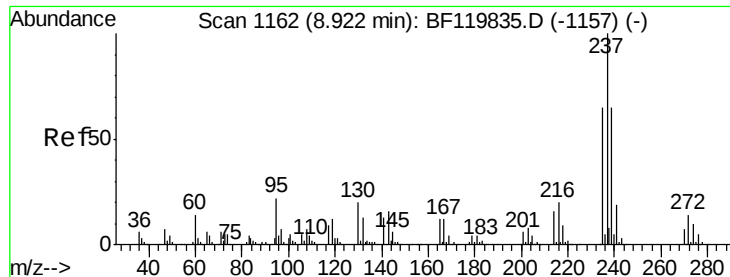
Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 557451 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.2  | 63.1  | 94.7   |
| 179       | 21.0  | 17.0  | 25.4   |
| 108       | 19.8  | 14.8  | 22.2   |





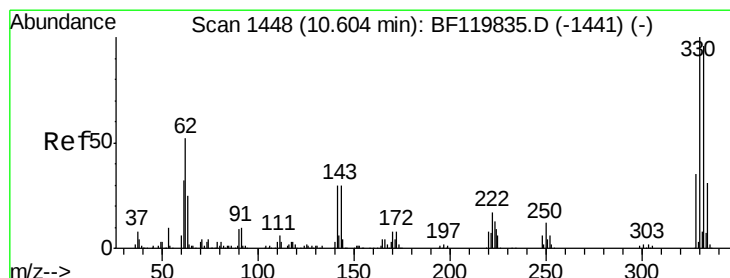
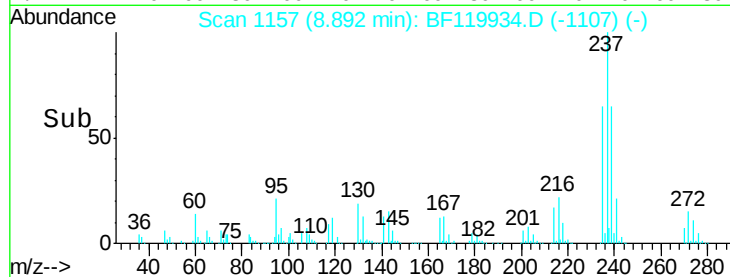
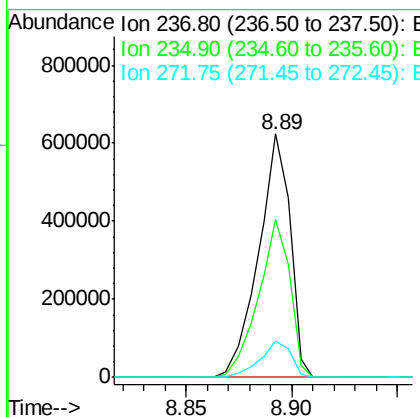
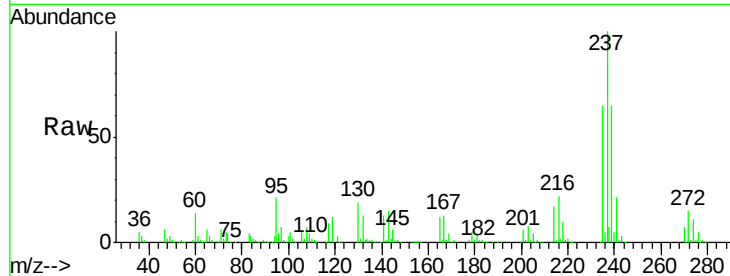
#41  
Hexachlorocyclopentadiene  
Concen: 72.562 ng  
RT: 8.89 min Scan# 1157  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 237     | 100   |            |            |
| 235     | 64.7  | 44.9       | 84.9       |
| 272     | 14.7  | 0.0        | 33.6       |

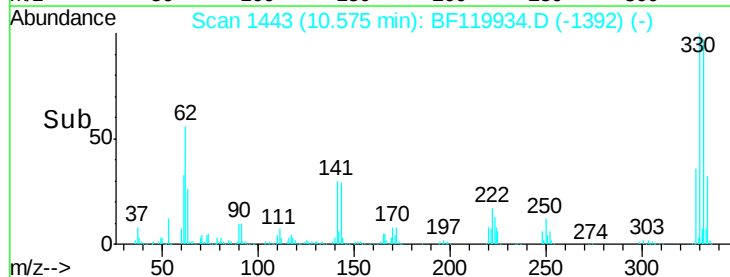
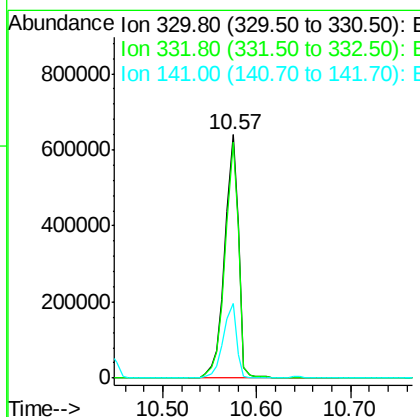
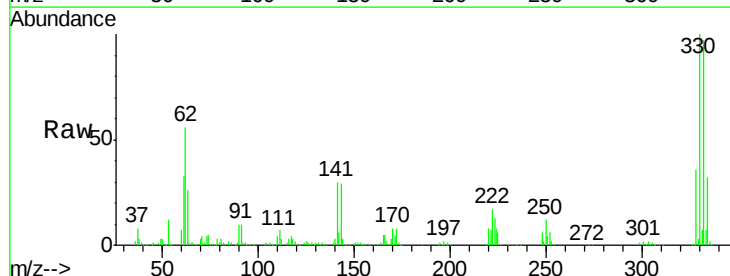
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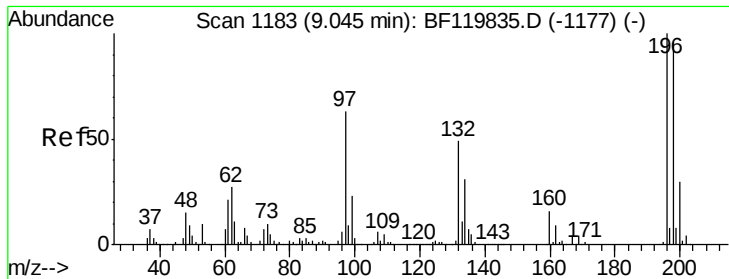
mohammad  
4/14/2020 3:38:12 PM



#42  
2,4,6-Tribromophenol  
Concen: 108.505 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 330     | 100   |            |            |
| 332     | 95.6  | 76.8       | 115.2      |
| 141     | 29.8  | 25.1       | 37.7       |





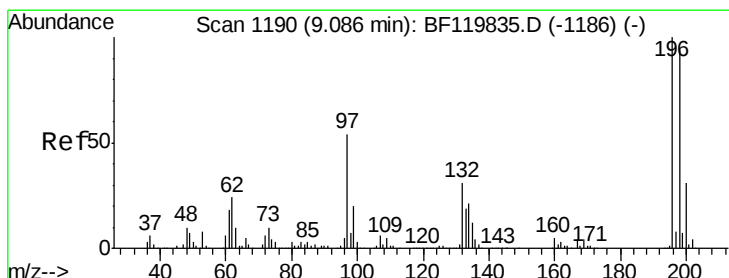
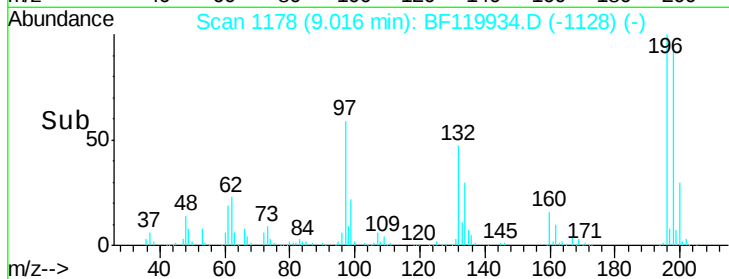
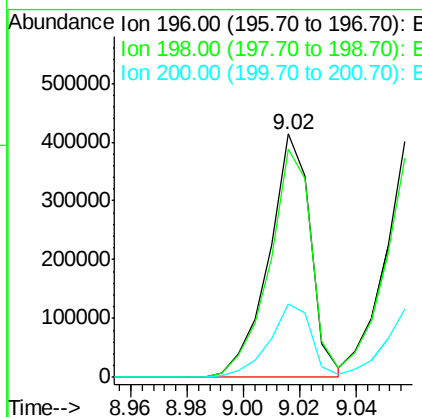
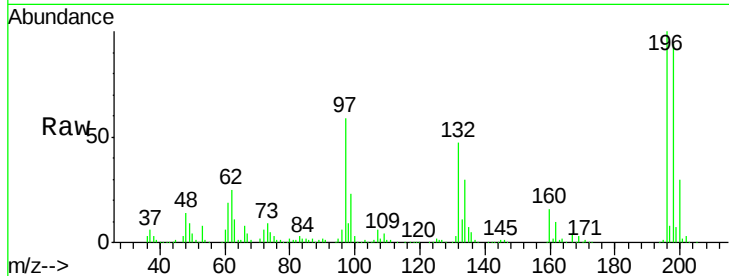
#43  
 2,4,6-Trichlorophenol  
 Concen: 39.056 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB128182BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 423864 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 93.5  | 76.6  | 115.0  |
| 200       | 30.0  | 24.2  | 36.2   |

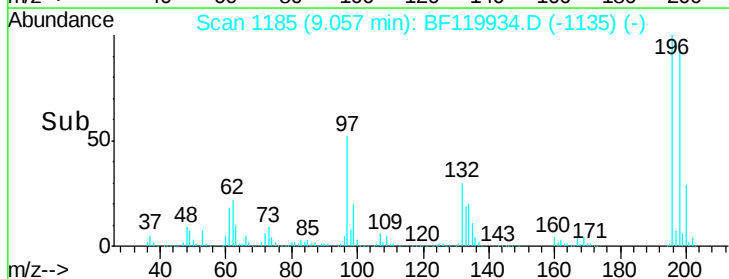
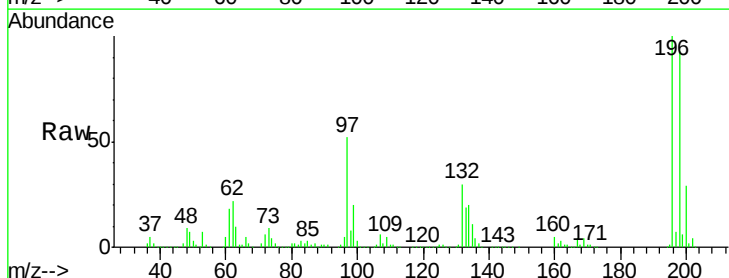
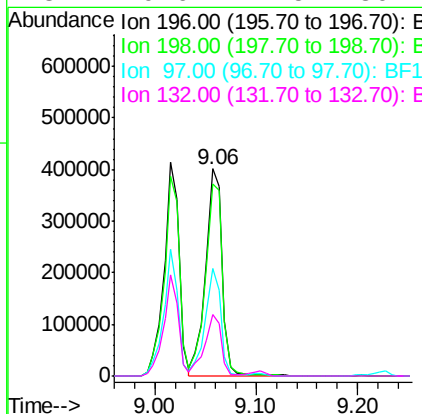
Manual Integrations  
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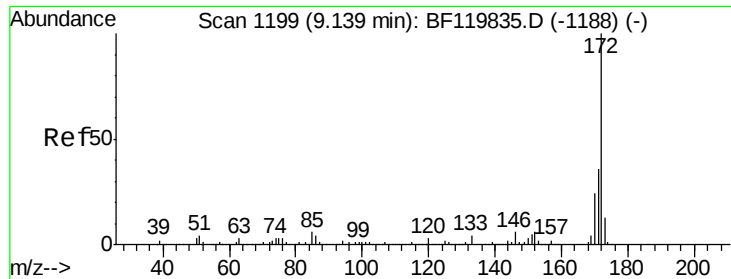
mohammad  
 4/14/2020 3:38:12 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 37.087 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 453331 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 92.9  | 75.1  | 112.7  |
| 97        | 52.2  | 43.4  | 65.2   |
| 132       | 29.6  | 24.5  | 36.7   |





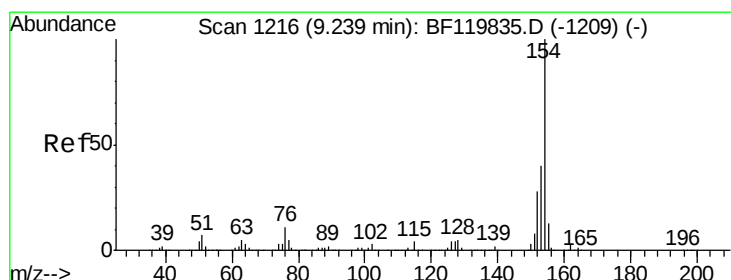
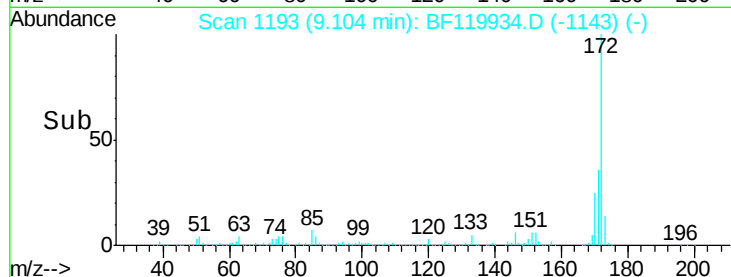
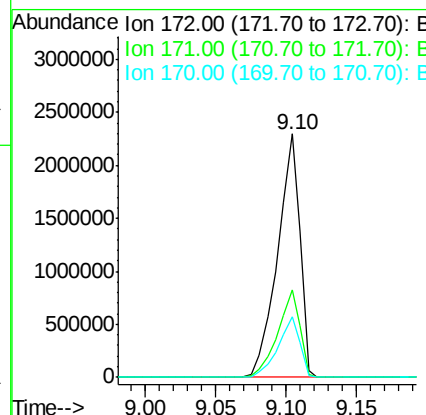
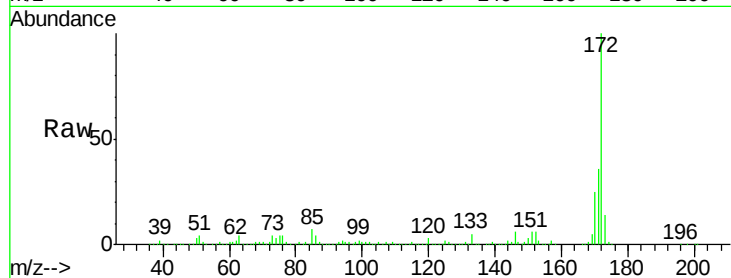
#45  
2-Fluorobiphenyl  
Concen: 72.475 ng  
RT: 9.10 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.9  | 43.3  |
| 170     | 24.8  | 19.4  | 29.2  |

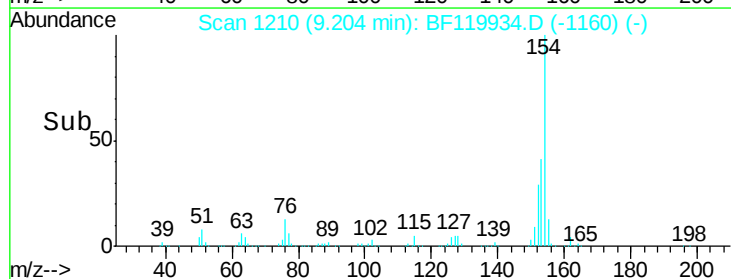
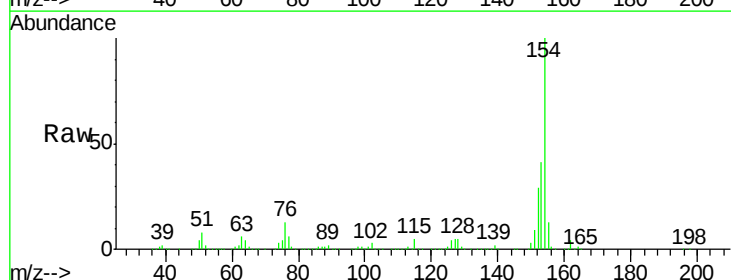
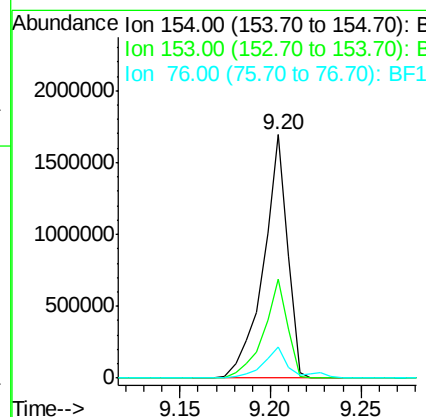
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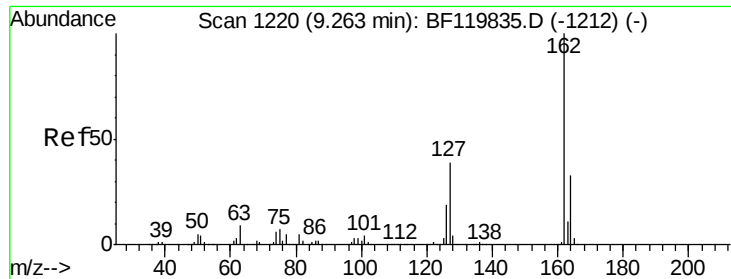
mohammad  
4/14/2020 3:38:12 PM



#46  
1,1'-Biphenyl  
Concen: 37.109 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 20.5  | 60.5  |
| 76      | 12.8  | 0.0   | 30.6  |





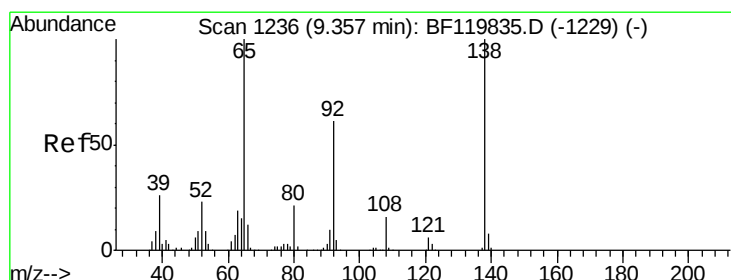
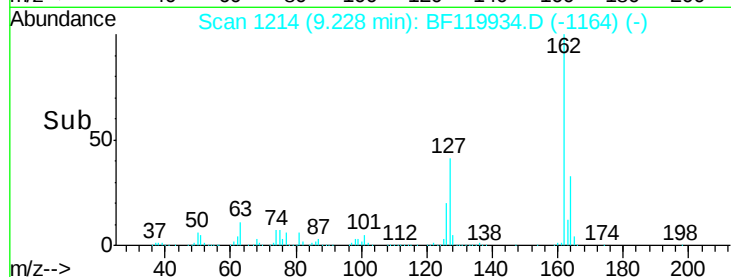
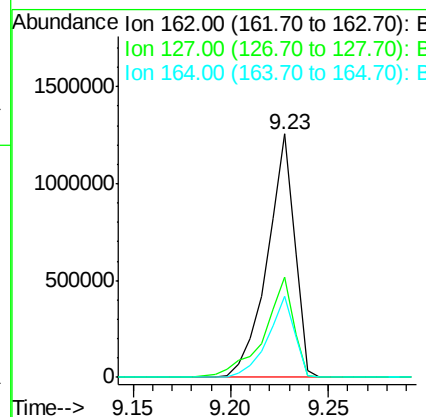
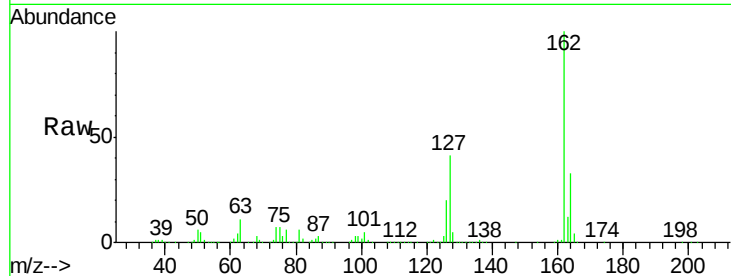
#47  
 2-Chloronaphthalene  
 Concen: 37.559 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.3  | 31.2  | 46.8  |
| 164     | 33.4  | 26.3  | 39.5  |

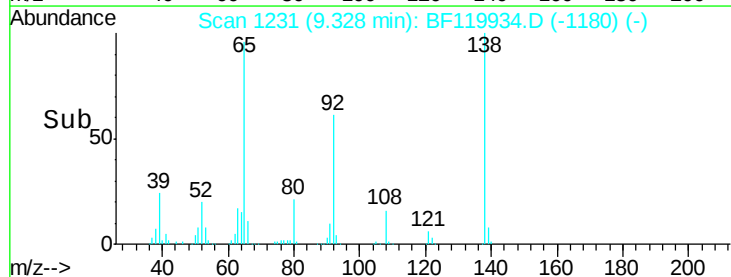
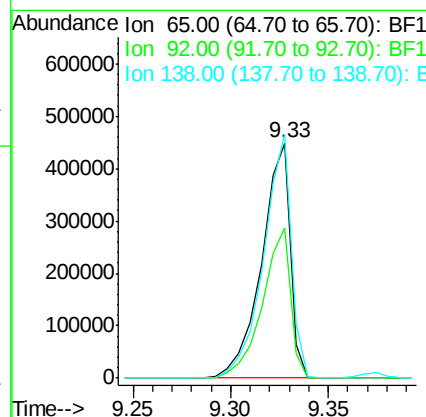
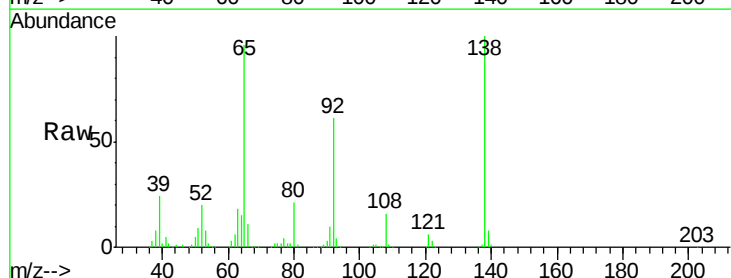
Manual Integrations  
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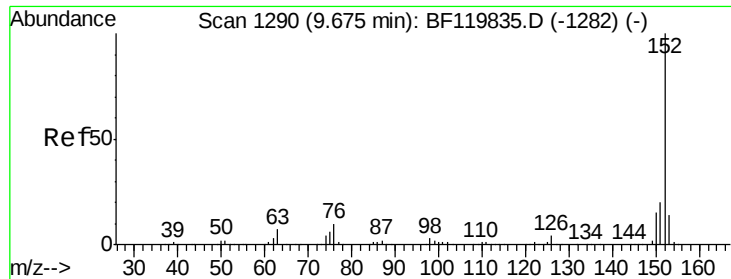
mohammad  
 4/14/2020 3:38:12 PM



#48  
 2-Nitroaniline  
 Concen: 38.895 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.00 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.8  | 49.0  | 73.6  |
| 138     | 103.7 | 79.7  | 119.5 |





#49

Acenaphthylene

Concen: 39.183 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:152 Resp: 1928009

Ion Ratio Lower Upper

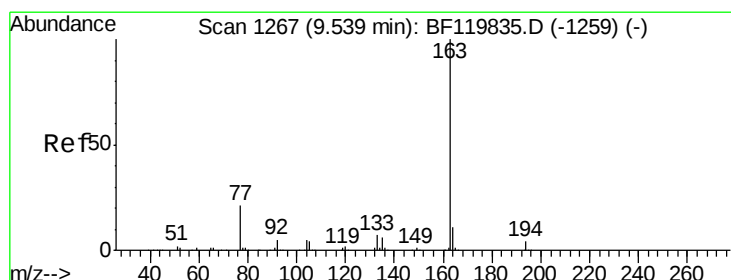
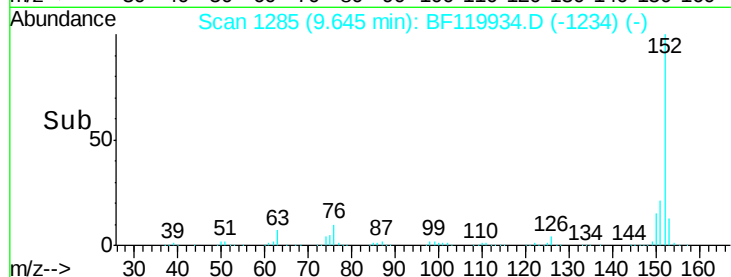
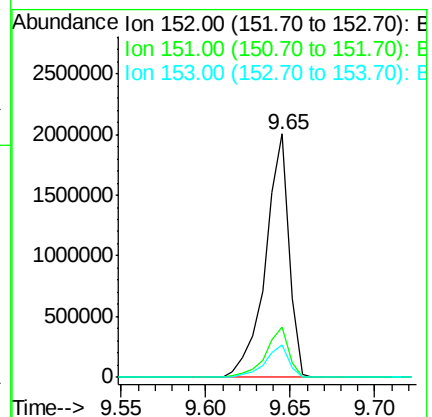
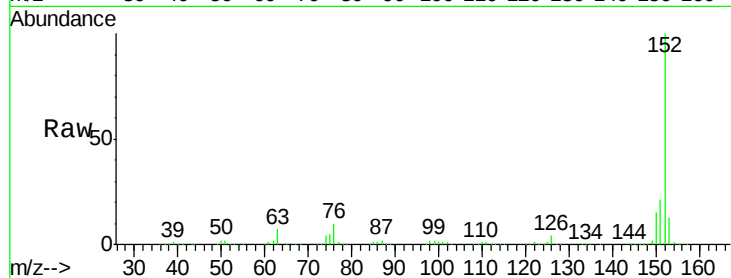
152 100

151 20.7 16.2 24.4

153 13.3 10.9 16.3

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#50

Dimethylphthalate

Concen: 38.334 ng

RT: 9.52 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

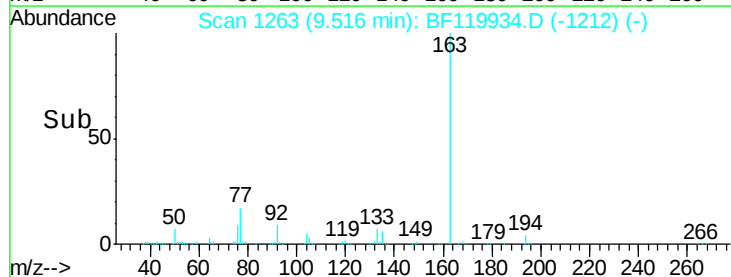
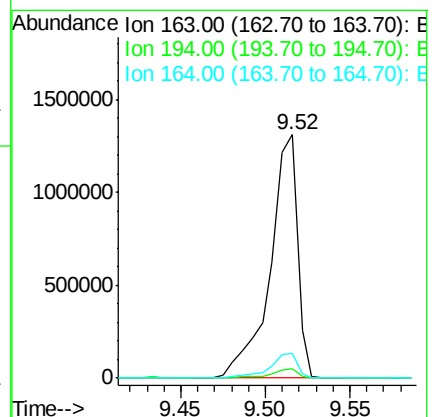
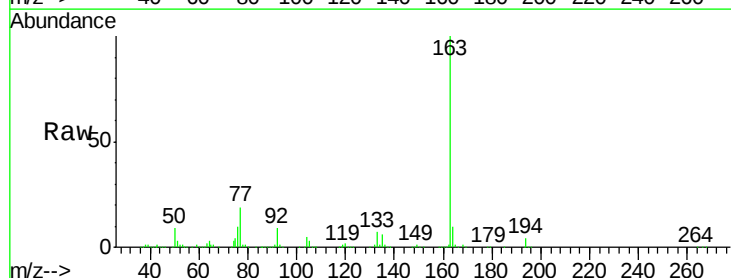
Tgt Ion:163 Resp: 1475432

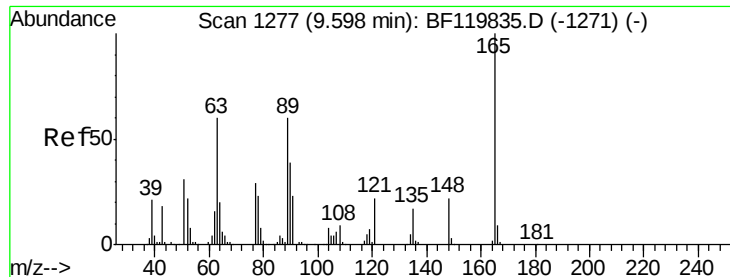
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.1 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 39.880 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:165 Resp: 336122  
Ion Ratio Lower Upper

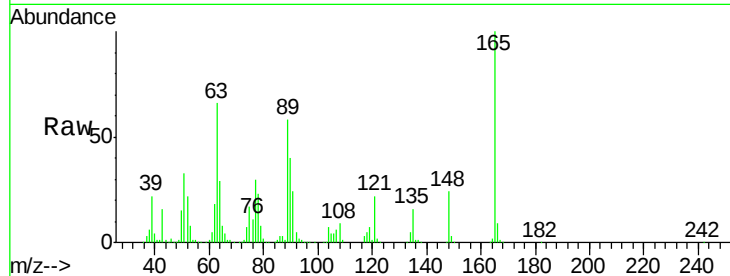
165 100

63 66.0 55.6 83.4

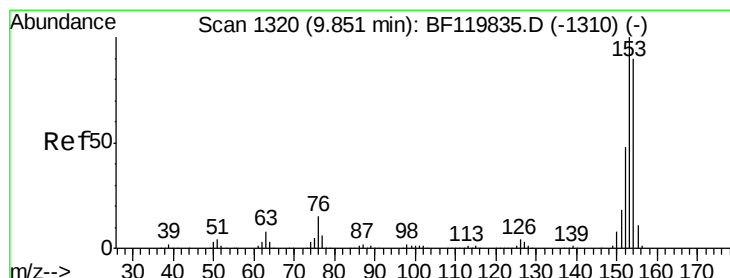
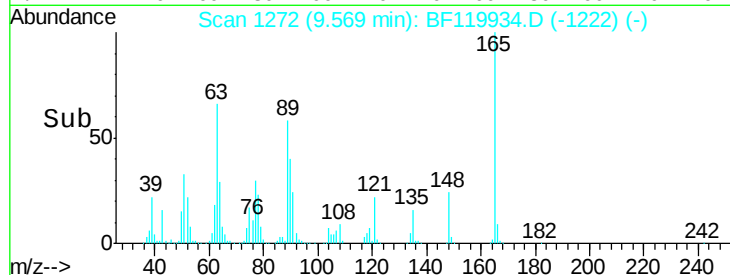
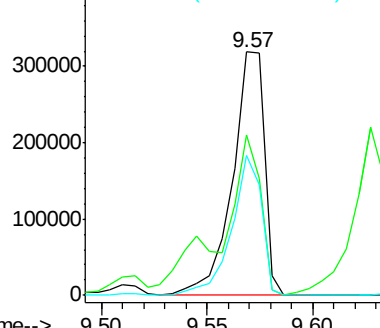
89 57.6 47.9 71.9

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Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 35.371 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF119934.D

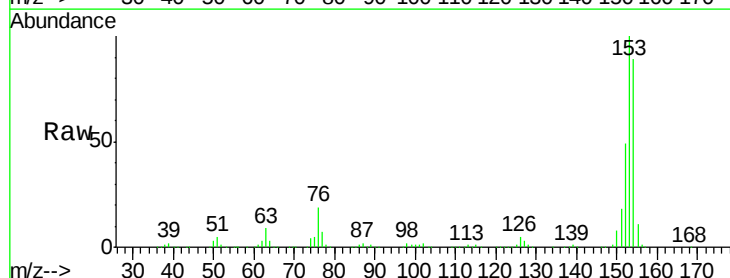
Acq: 14 Apr 2020 4:50

Tgt Ion:154 Resp: 1160989  
Ion Ratio Lower Upper

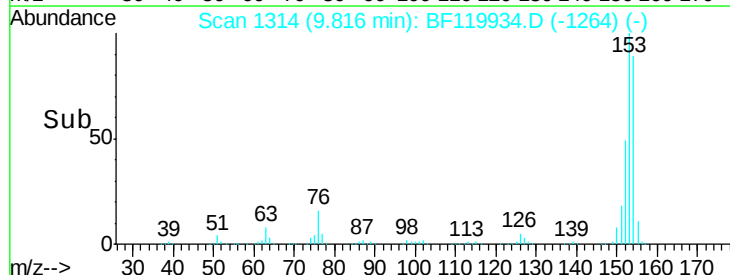
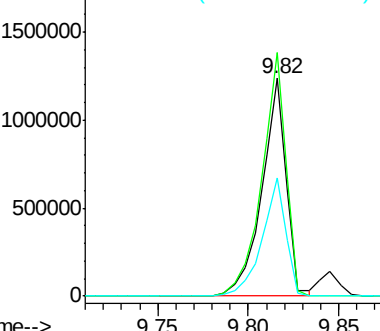
154 100

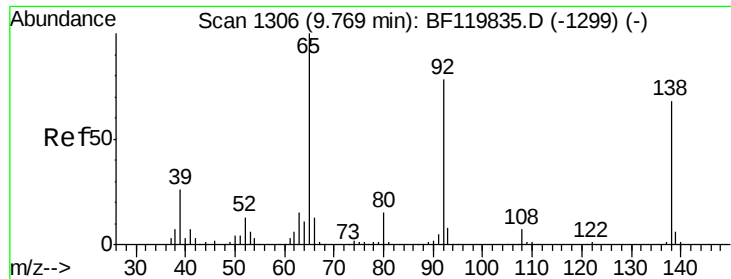
153 111.9 88.8 133.2

152 54.5 42.4 63.6



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





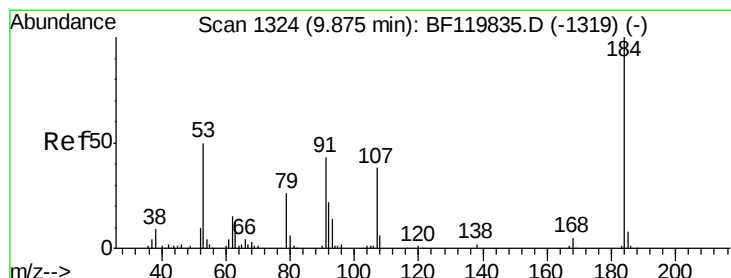
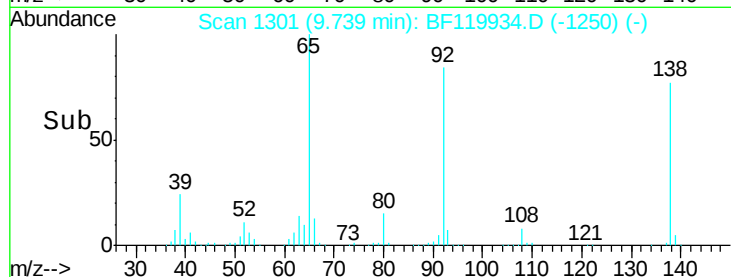
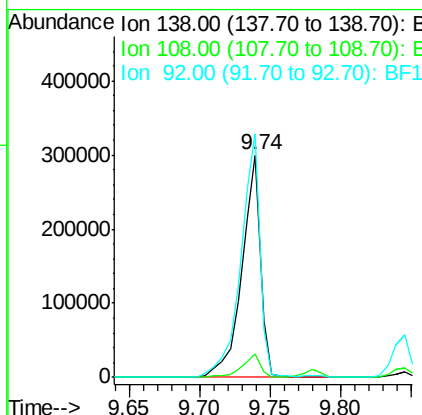
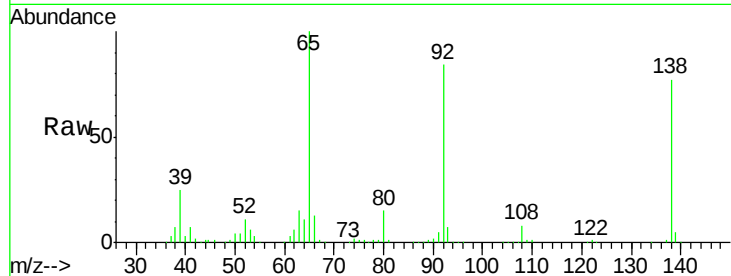
#53  
3-Nitroaniline  
Concen: 28.528 ng  
RT: 9.74 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 8.0   | 12.0  |
| 92      | 109.7 | 92.1  | 138.1 |

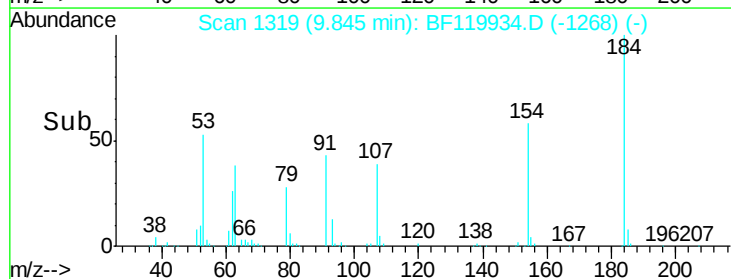
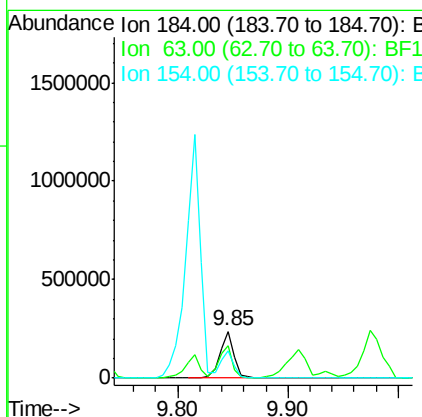
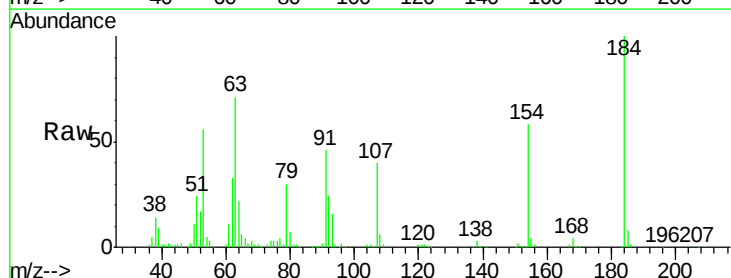
Manual Integrations  
APPROVED

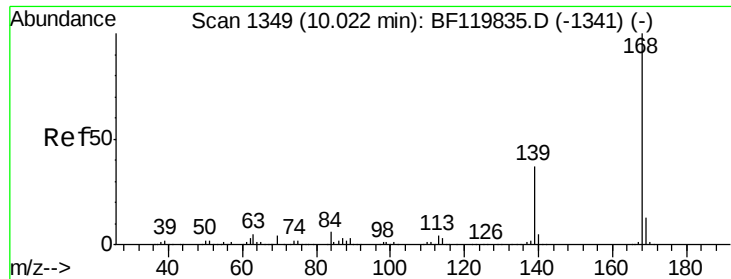
mohammad  
4/14/2020 3:38:12 PM



#54  
2,4-Dinitrophenol  
Concen: 42.375 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 70.8  | 49.8  | 74.6  |
| 154     | 58.2  | 46.5  | 69.7  |





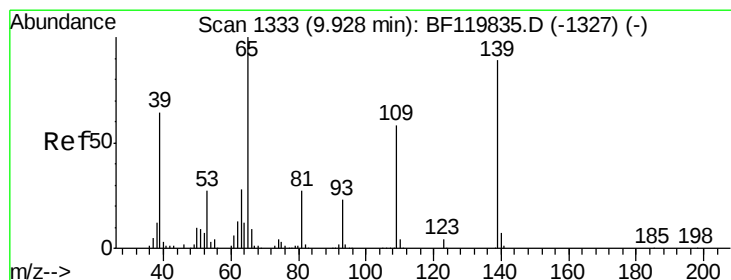
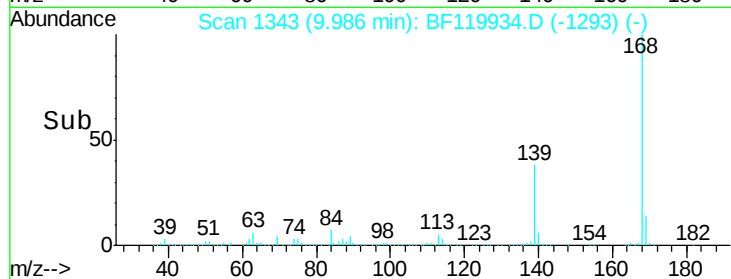
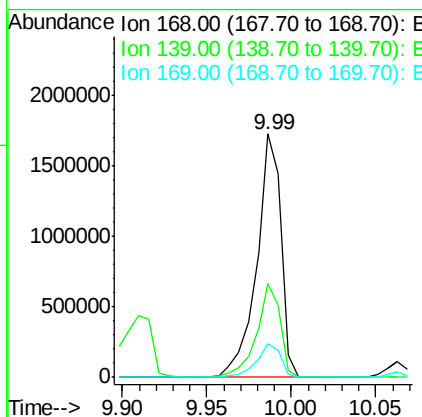
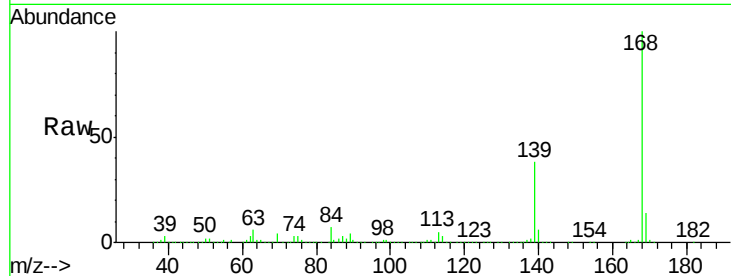
#55  
Dibenzofuran  
Concen: 38.222 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.4  | 29.8  | 44.6  |
| 169     | 14.0  | 10.6  | 15.8  |

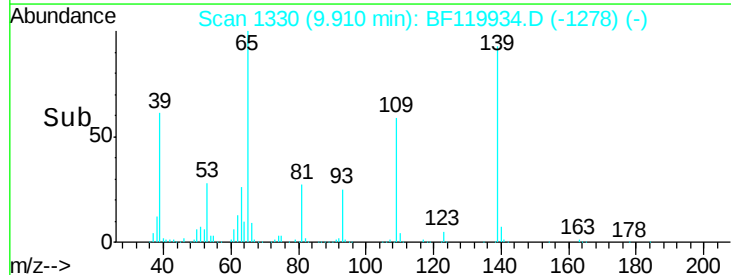
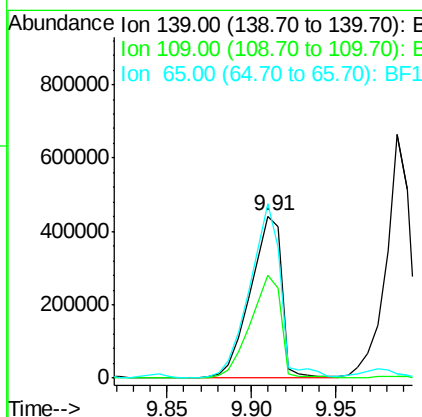
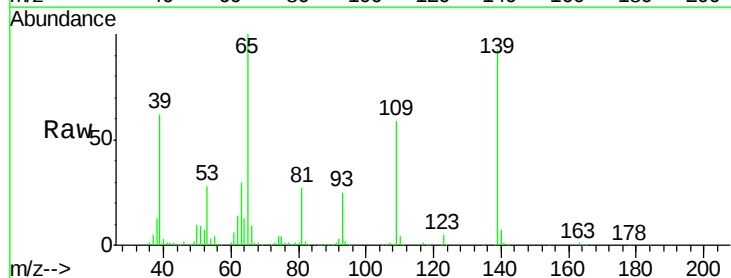
Manual Integrations  
APPROVED

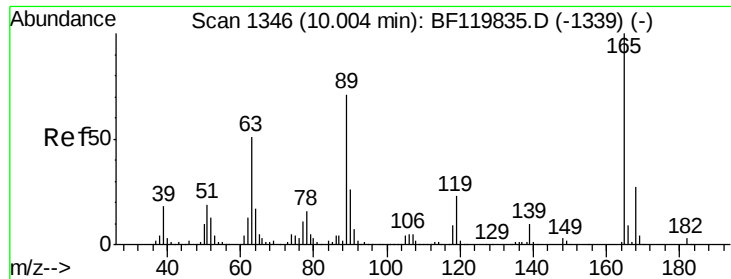
mohammad  
4/14/2020 3:38:12 PM



#56  
4-Nitrophenol  
Concen: 80.079 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 63.6  | 45.5  | 85.5  |
| 65      | 107.5 | 92.3  | 132.3 |





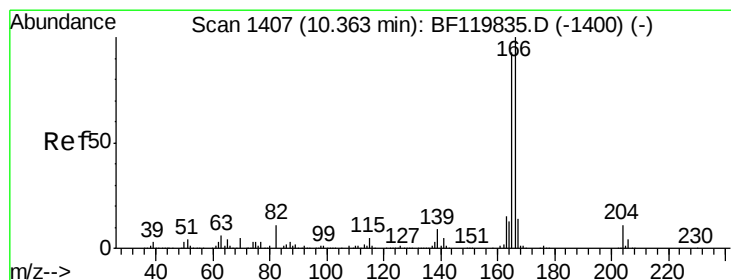
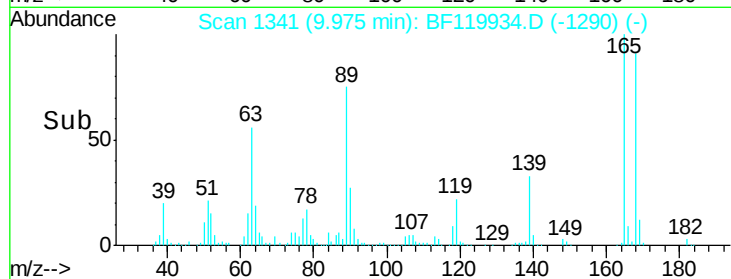
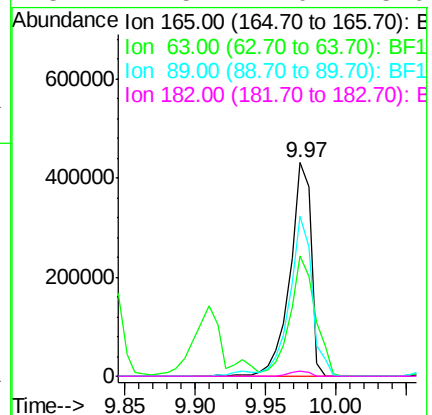
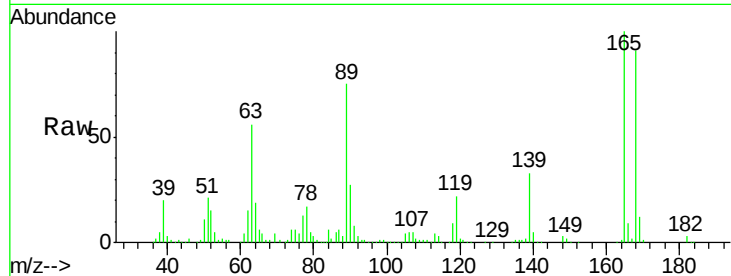
#57  
2,4-Dinitrotoluene  
Concen: 40.372 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 448313 |       |       |
| 63      | 56.1 |       | 40.8   | 61.2  |       |
| 89      | 75.0 |       | 56.9   | 85.3  |       |
| 182     | 2.5  |       | 2.0    | 3.0   |       |

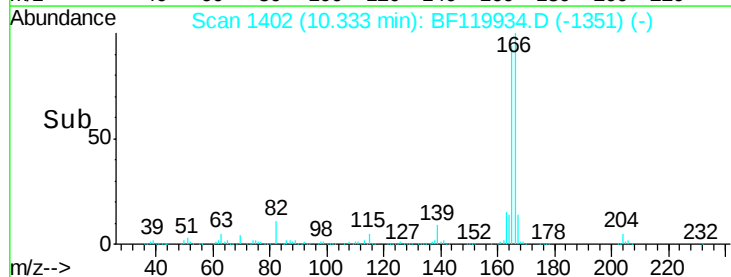
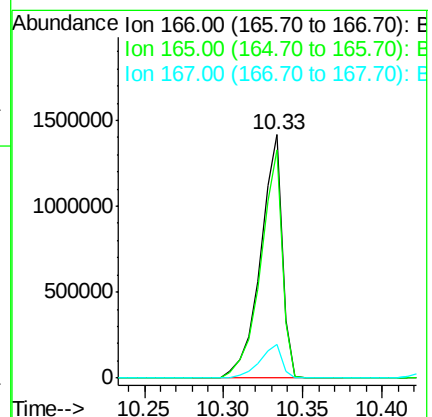
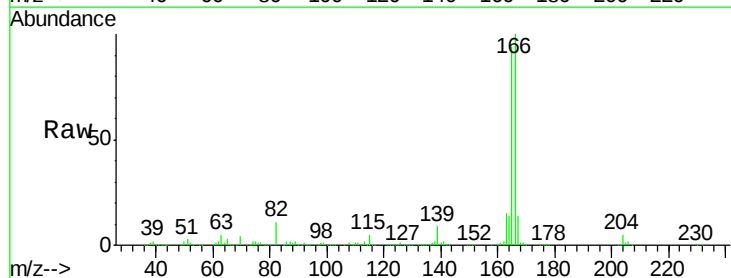
Manual Integrations  
APPROVED

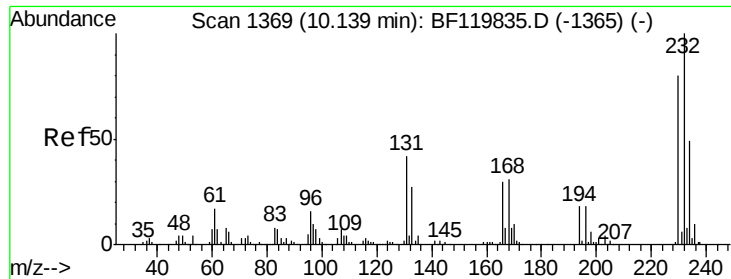
mohammad  
4/14/2020 3:38:12 PM



#58  
Fluorene  
Concen: 37.598 ng  
RT: 10.33 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1354361 |       |       |
| 165     | 93.9 |       | 74.2    | 111.2 |       |
| 167     | 13.6 |       | 10.8    | 16.2  |       |





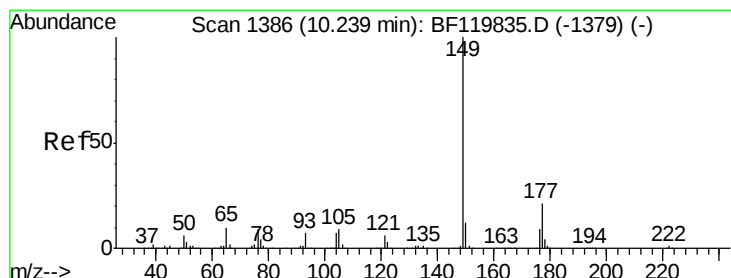
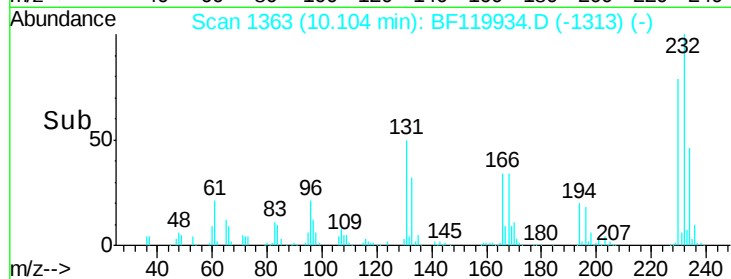
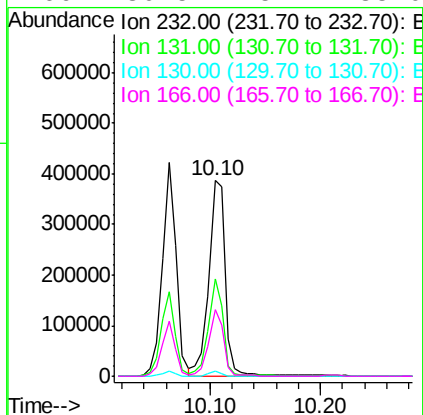
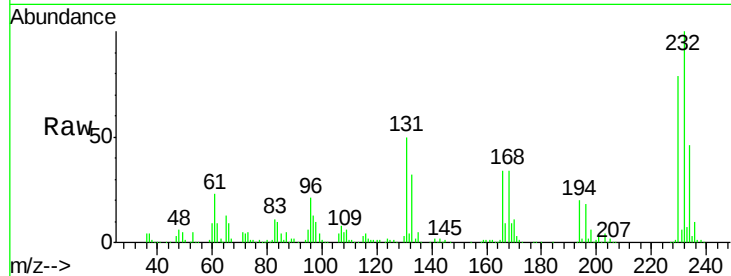
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.600 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.9  | 37.9  | 56.9  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 30.5  | 25.4  | 38.0  |

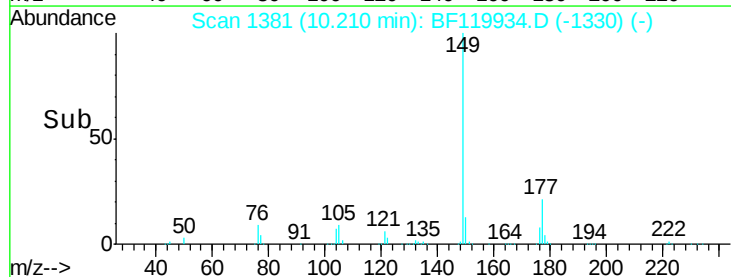
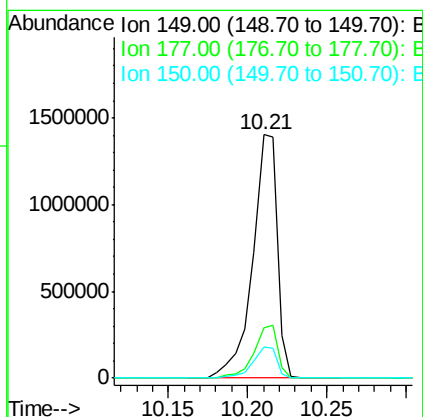
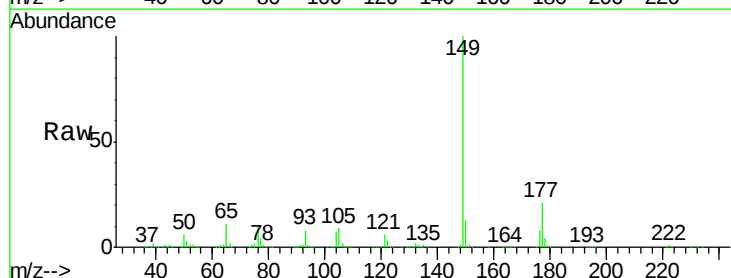
Manual Integrations  
APPROVED

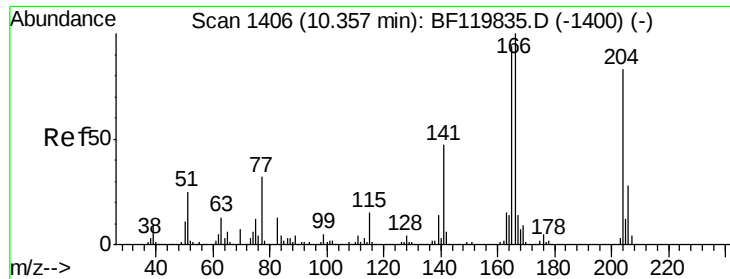
mohammad  
4/14/2020 3:38:12 PM



#60  
Diethylphthalate  
Concen: 38.173 ng  
RT: 10.21 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.6  | 16.8  | 25.2  |
| 150     | 12.8  | 9.8   | 14.6  |





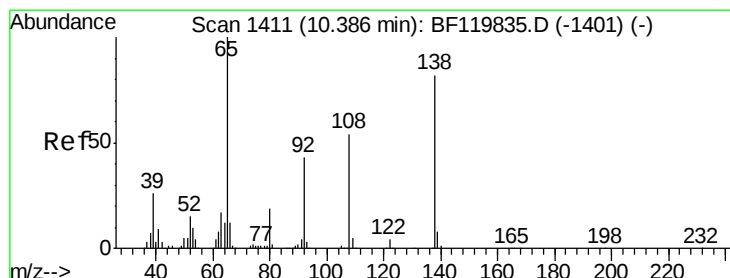
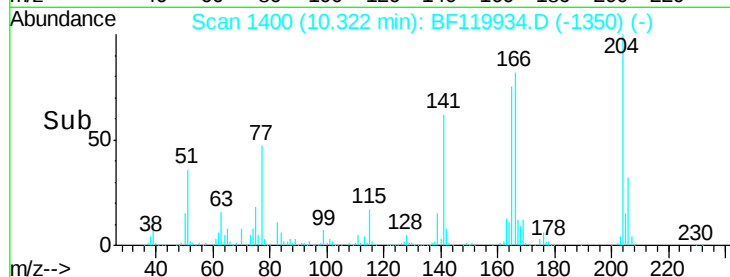
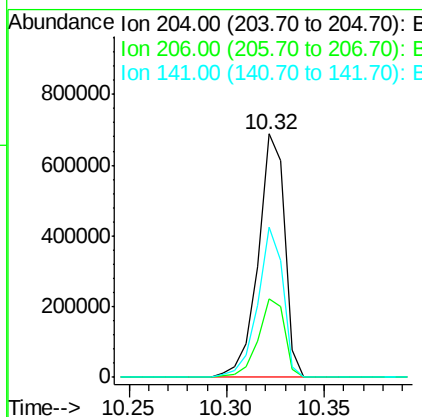
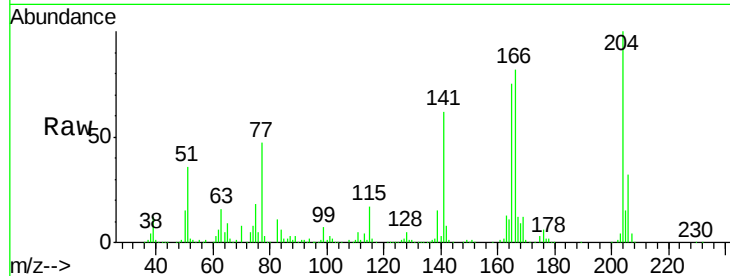
#61  
 4-Chlorophenyl-phenylether  
 Concen: 34.925 ng  
 RT: 10.32 min Scan# 1400  
 Delta R.T. -0.01 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.3  | 26.7  | 40.1  |
| 141     | 61.7  | 45.8  | 68.8  |

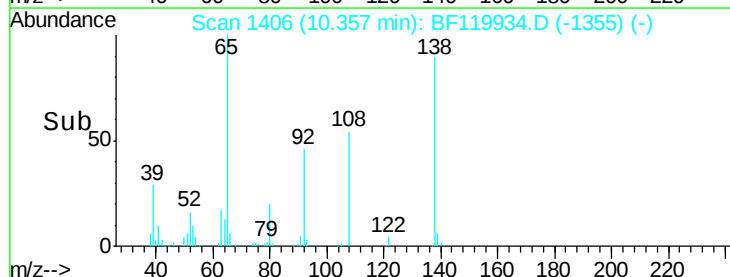
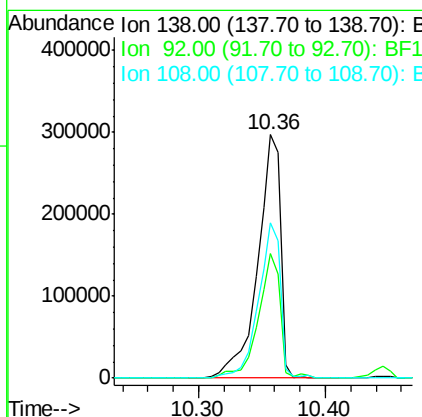
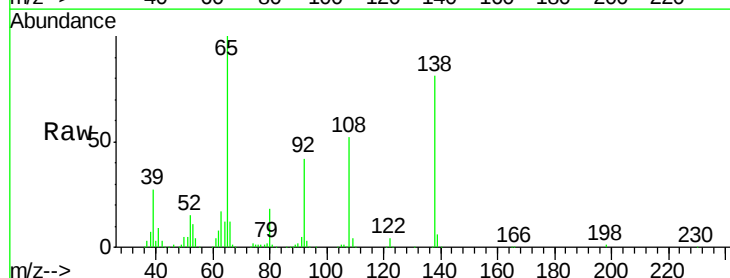
Manual Integrations  
 APPROVED

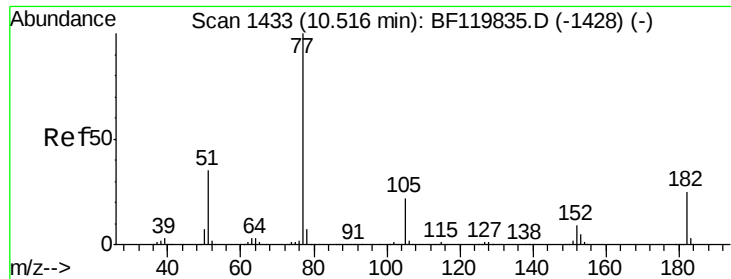
mohammad  
 4/14/2020 3:38:12 PM



#62  
 4-Nitroaniline  
 Concen: 40.989 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. 0.00 min  
 Lab File: BF119934.D  
 Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.3  | 31.6  | 71.6  |
| 108     | 64.0  | 45.2  | 85.2  |





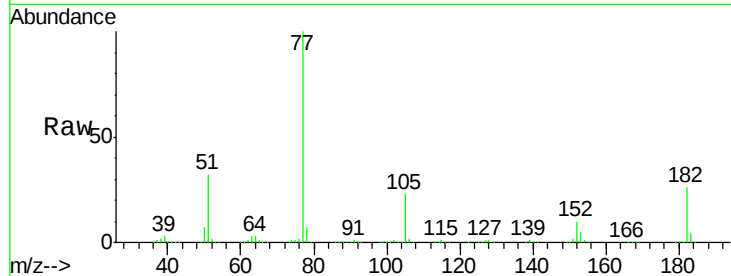
#63  
Azobenzene  
Concen: 39.867 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 25.7  | 4.5   | 44.5  |
| 105     | 23.2  | 2.2   | 42.2  |
| 51      | 32.5  | 15.1  | 55.1  |

Manual Integrations  
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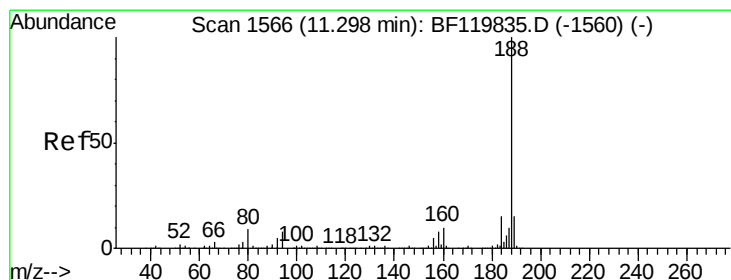
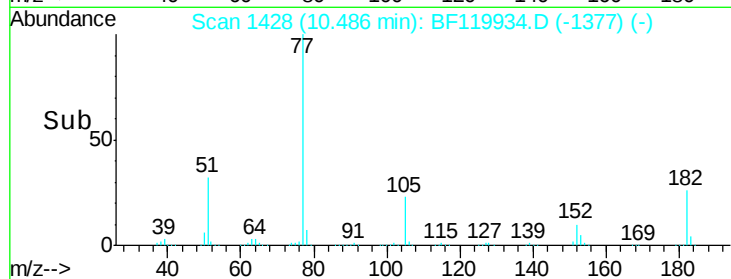
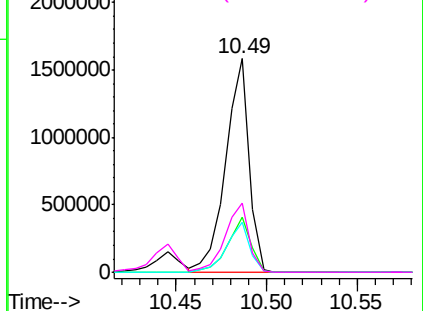
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.27 min Scan# 1561  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

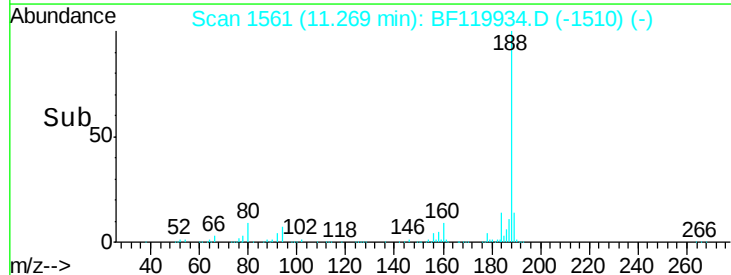
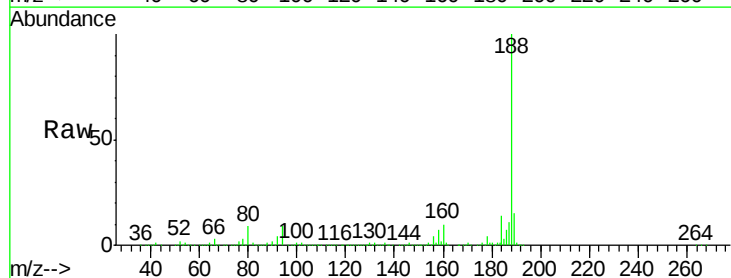
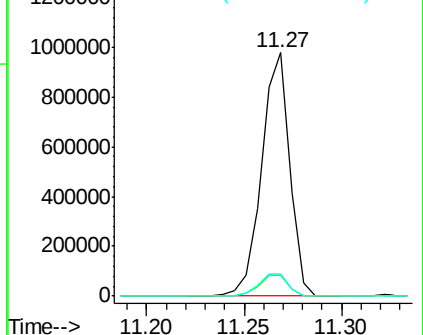
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 6.7   | 10.1  |
| 80      | 9.1   | 7.4   | 11.2  |

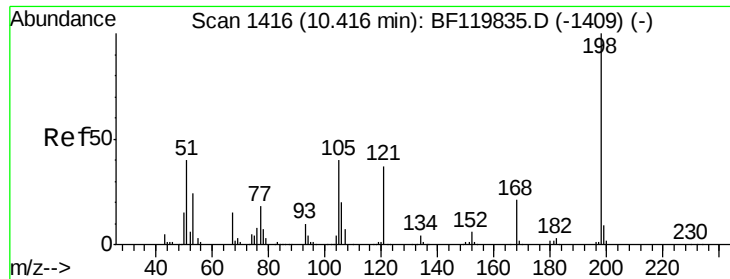
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





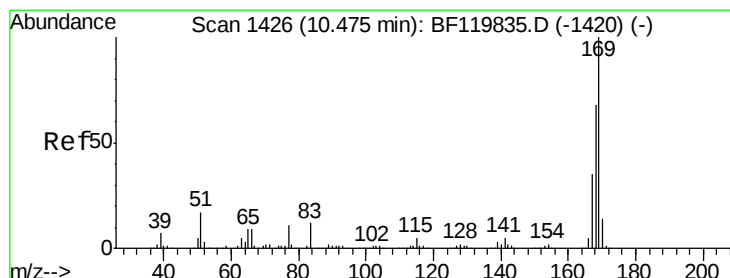
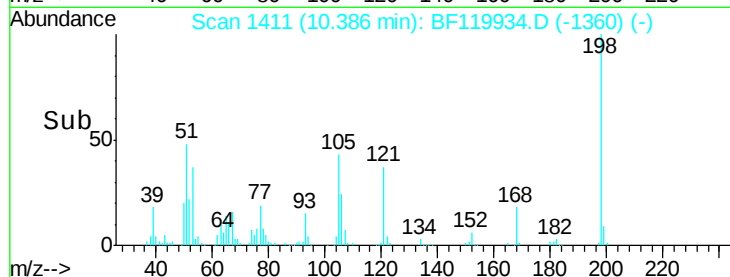
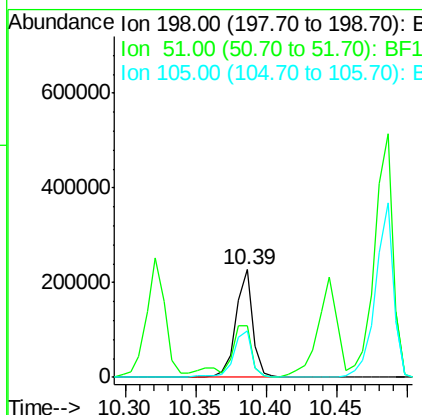
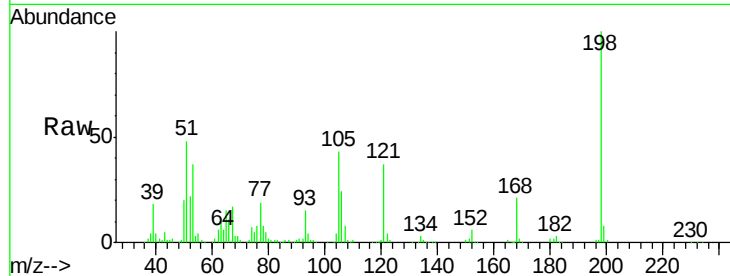
#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.485 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 188930 |       |       |
| 51      | 47.5  | 25.2   | 65.2  |       |
| 105     | 42.8  | 20.8   | 60.8  |       |

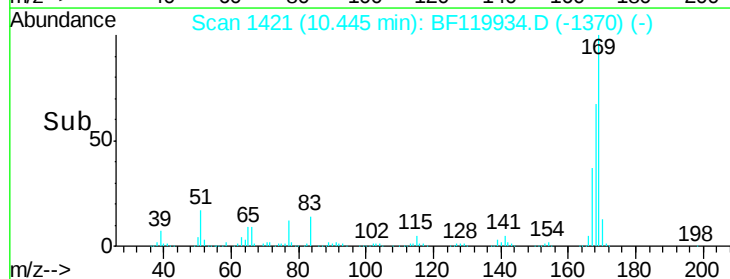
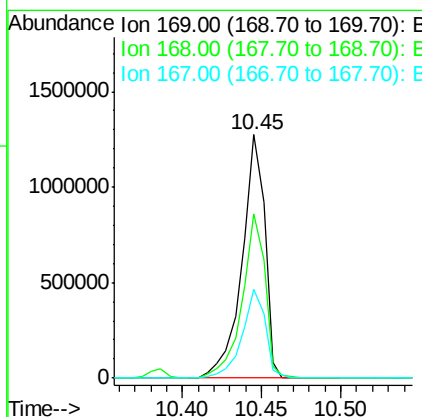
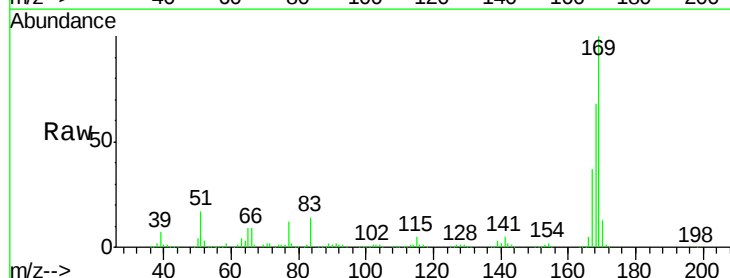
Manual Integrations  
APPROVED

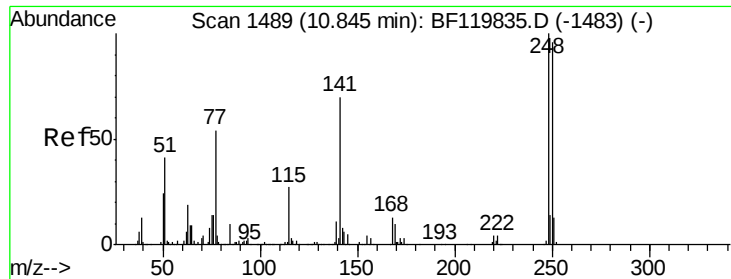
mohammad  
4/14/2020 3:38:12 PM



#66  
n-Nitrosodiphenylamine  
Concen: 39.135 ng  
RT: 10.45 min Scan# 1421  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1265876 |       |       |
| 168     | 67.6  | 54.2    | 81.4  |       |
| 167     | 36.7  | 28.3    | 42.5  |       |





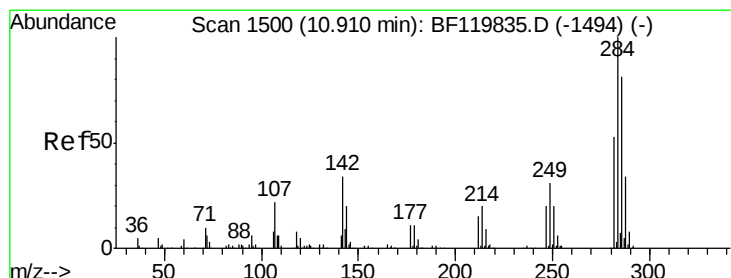
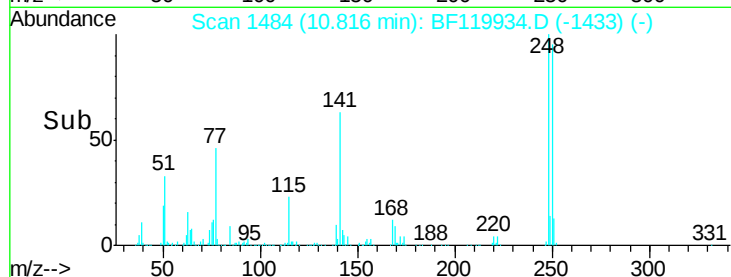
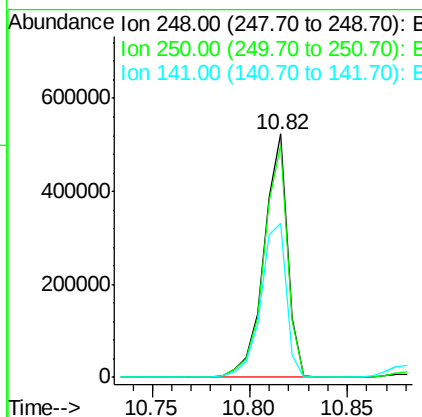
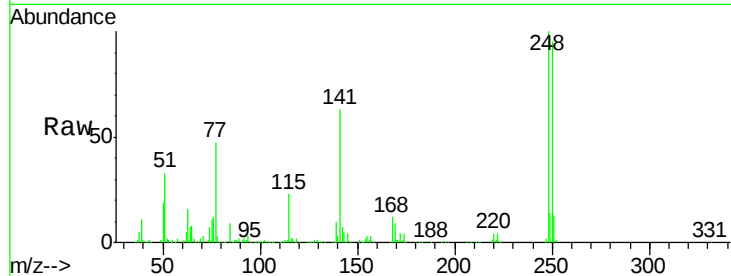
#67  
4-Bromophenyl-phenylether  
Concen: 36.252 ng  
RT: 10.82 min Scan# 1484  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.3  | 76.6  | 114.8 |
| 141     | 63.2  | 55.9  | 83.9  |

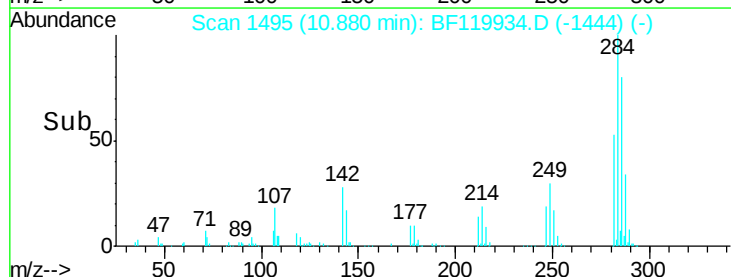
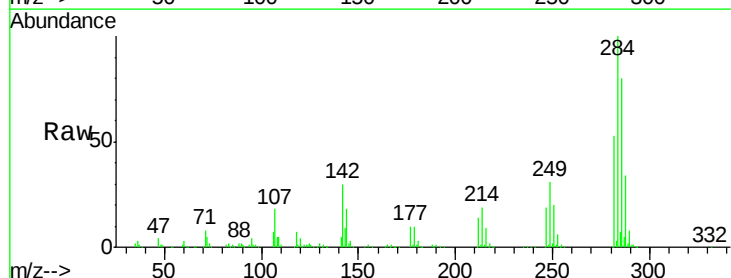
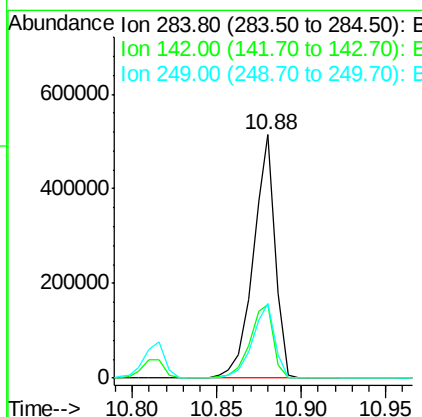
Manual Integrations  
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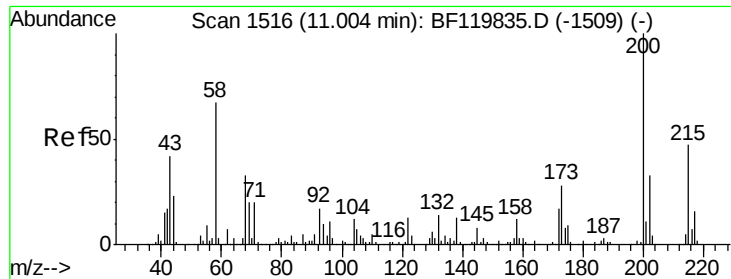
mohammad  
4/14/2020 3:38:12 PM



#68  
Hexachlorobenzene  
Concen: 37.791 ng  
RT: 10.88 min Scan# 1495  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.4  | 26.9  | 40.3  |
| 249     | 30.8  | 24.6  | 37.0  |





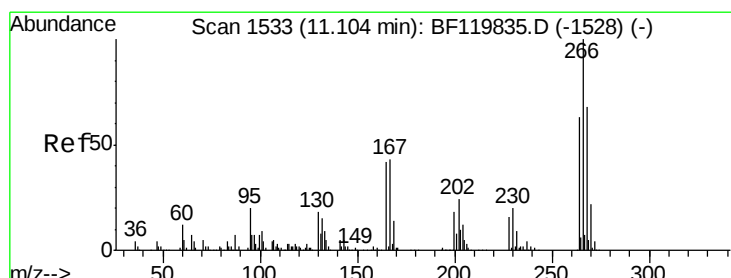
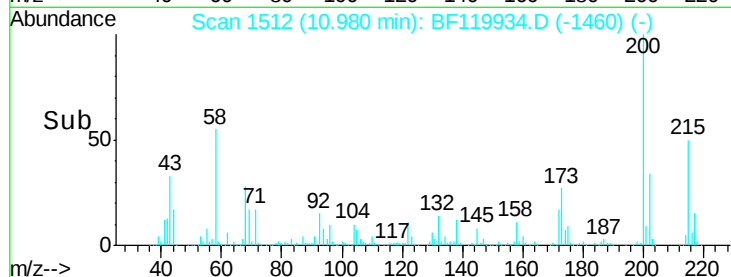
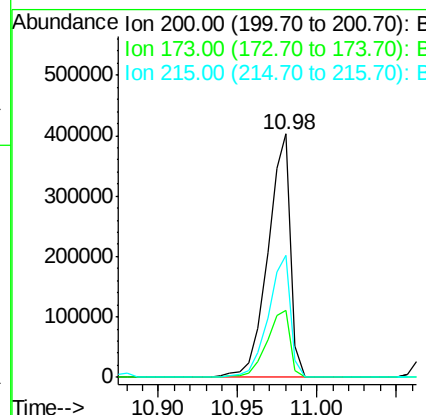
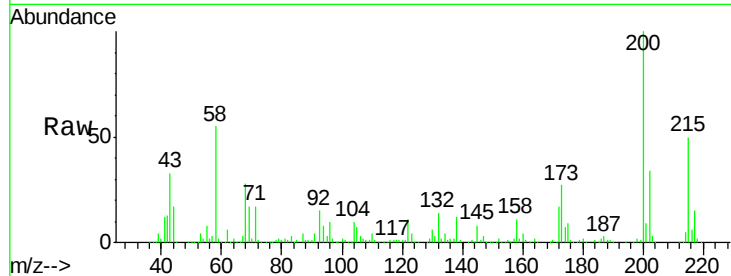
#69  
Atrazine  
Concen: 44.439 ng  
RT: 10.98 min Scan# 1512  
Delta R.T. 0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampled :  
PB128182BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 27.5  | 8.0        | 48.0  |
| 215     | 50.0  | 27.1       | 67.1  |

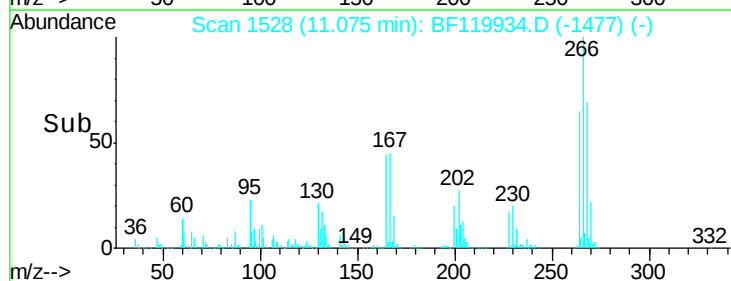
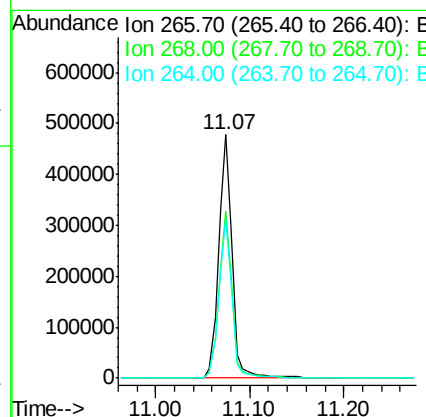
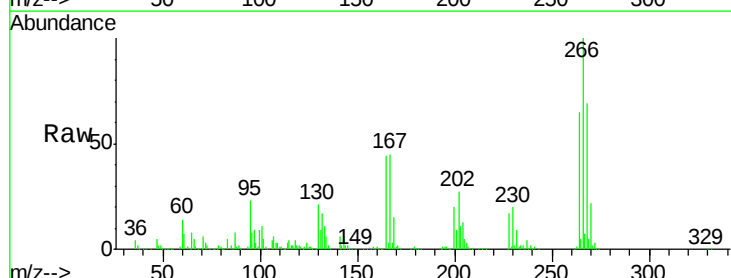
Manual Integrations  
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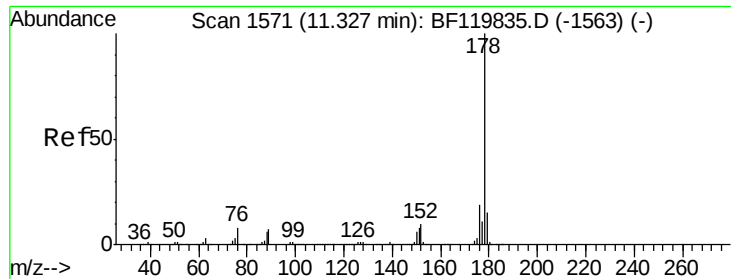
mohammad  
4/14/2020 3:38:12 PM



#70  
Pentachlorophenol  
Concen: 68.986 ng  
RT: 11.07 min Scan# 1528  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 68.7  | 54.2       | 81.4  |
| 264     | 65.2  | 50.6       | 76.0  |





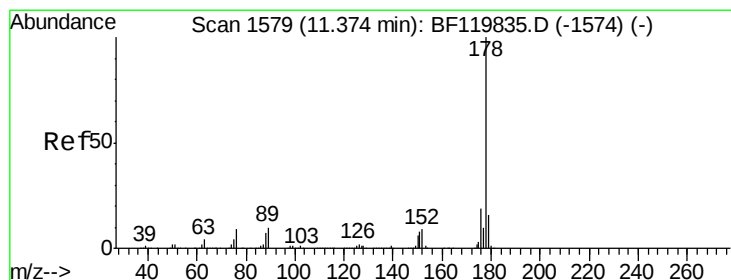
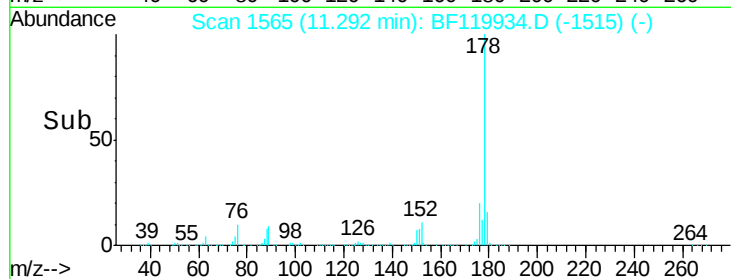
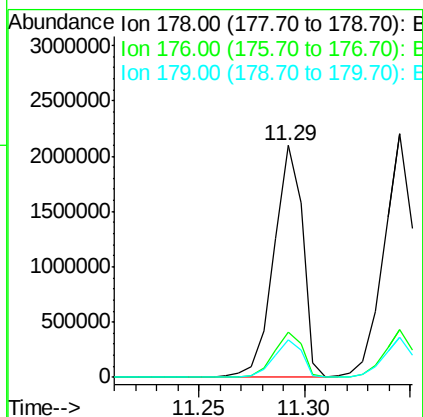
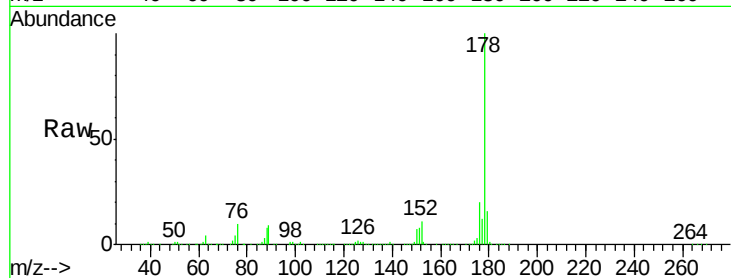
#71  
Phenanthrene  
Concen: 38.651 ng  
RT: 11.29 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampled :  
PB128182BS

Tot Ion:178 Resp: 2000690  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.1 22.7  
179 16.1 12.2 18.4

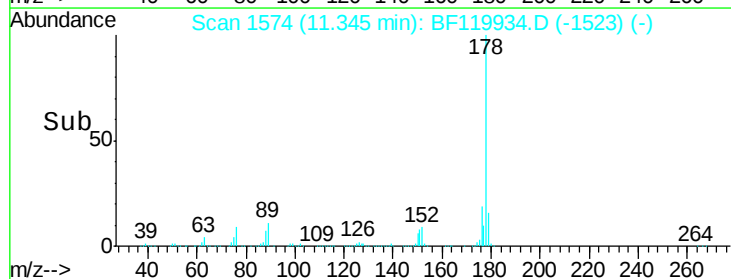
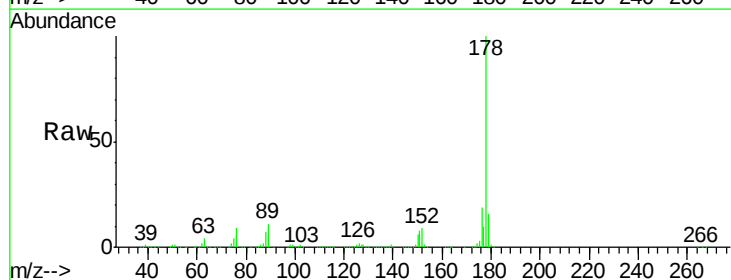
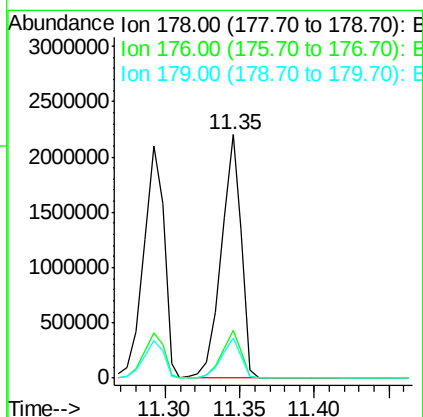
Manual Integrations  
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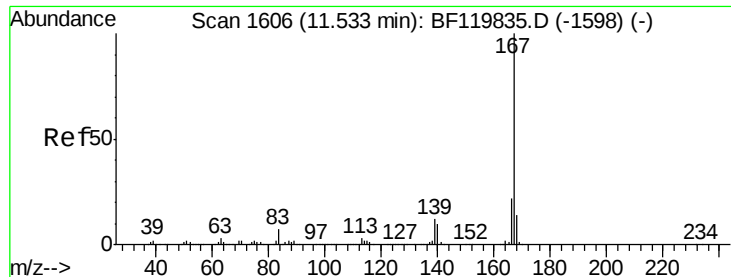
mohammad  
4/14/2020 3:38:12 PM



#72  
Anthracene  
Concen: 39.142 ng  
RT: 11.35 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Tgt Ion:178 Resp: 2069806  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.2  
179 16.3 12.8 19.2





#73

Carbazole

Concen: 38.577 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:167 Resp: 1929065

Ion Ratio Lower Upper

167 100

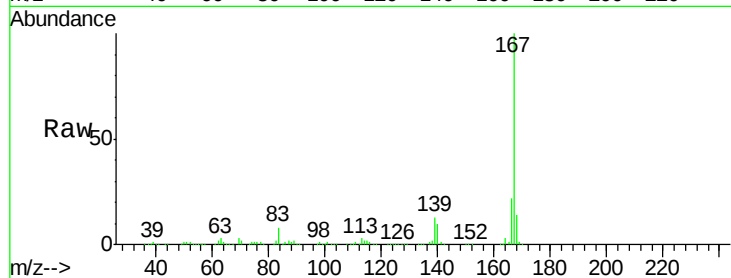
166 22.4 17.4 26.0

139 12.8 9.8 14.8

Manual Integrations  
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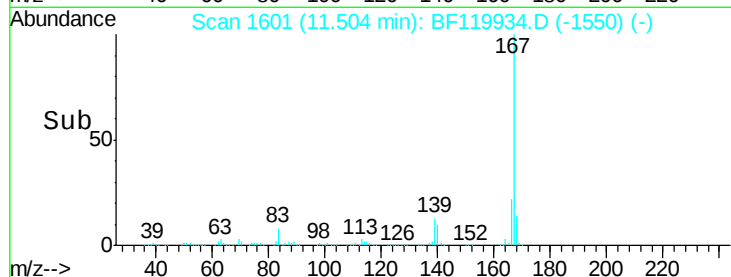


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

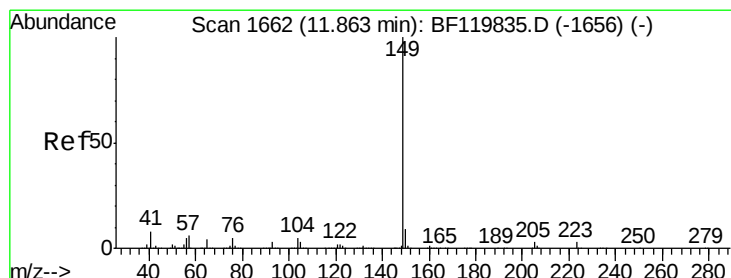
Ion 139.00 (138.70 to 139.70): E

Time-->



Abundance

Time-->



#74

Di-n-butylphthalate

Concen: 36.363 ng

RT: 11.83 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

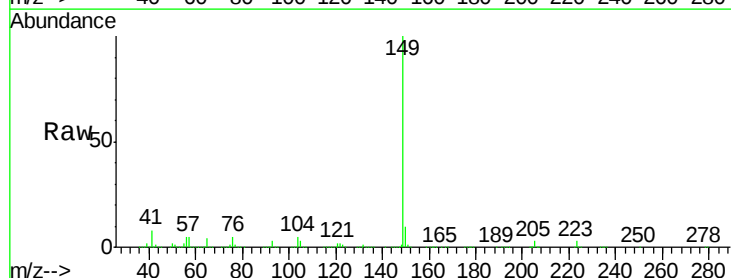
Tgt Ion:149 Resp: 2390448

Ion Ratio Lower Upper

149 100

150 10.0 7.6 11.4

104 4.8 3.8 5.6

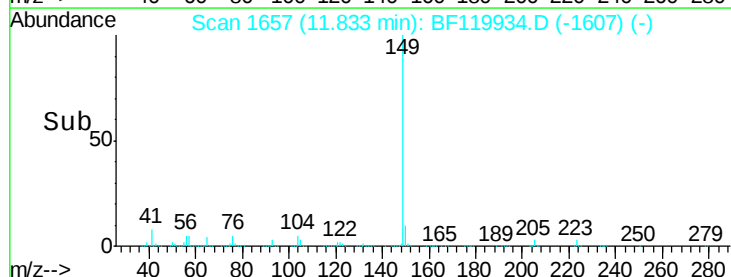


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

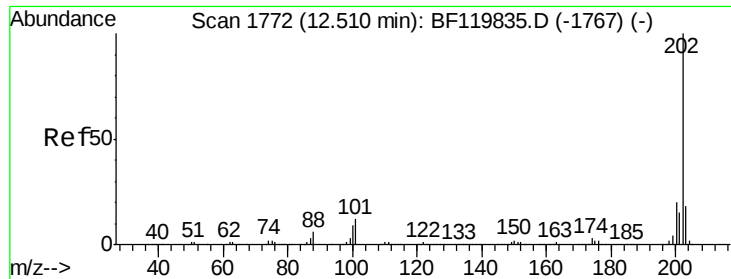
Ion 104.00 (103.70 to 104.70): E

Time-->



Abundance

Time-->



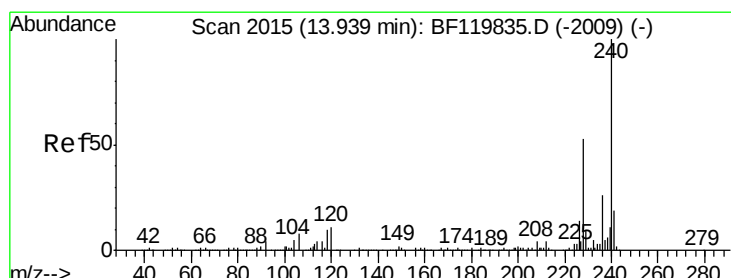
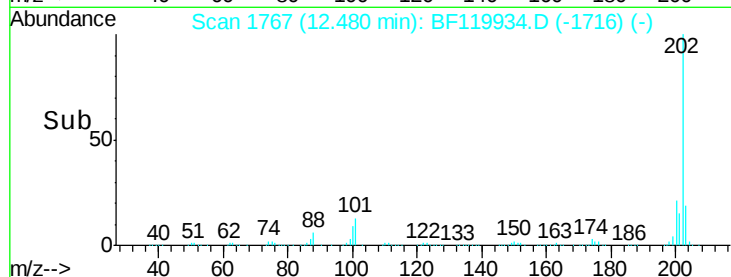
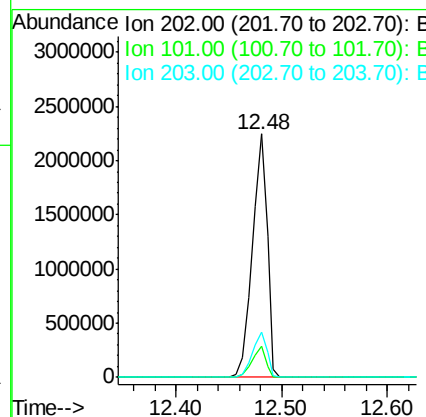
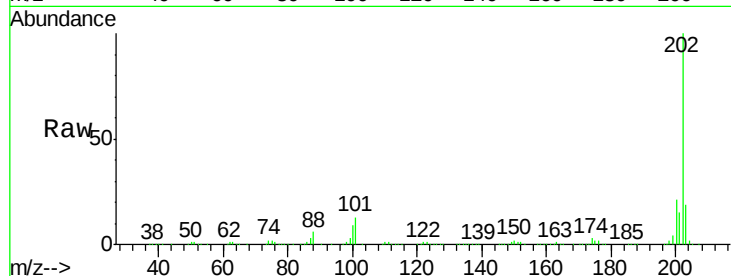
#75  
Fluoranthene  
Concen: 39.057 ng  
RT: 12.48 min Scan# 1767  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 32.3  |
| 203     | 18.6  | 0.0   | 37.6  |

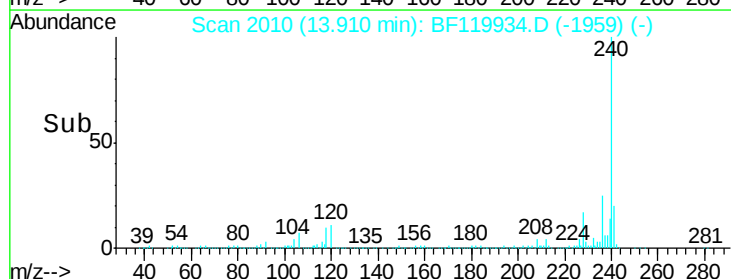
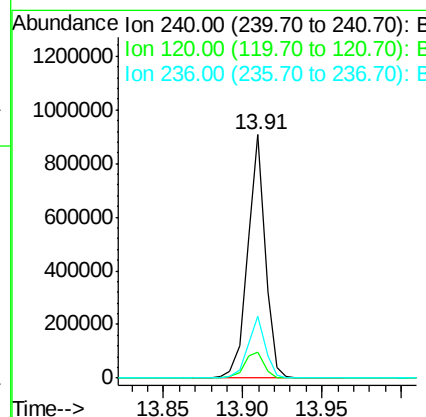
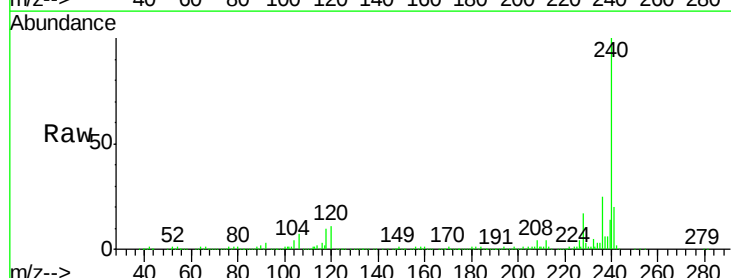
Manual Integrations  
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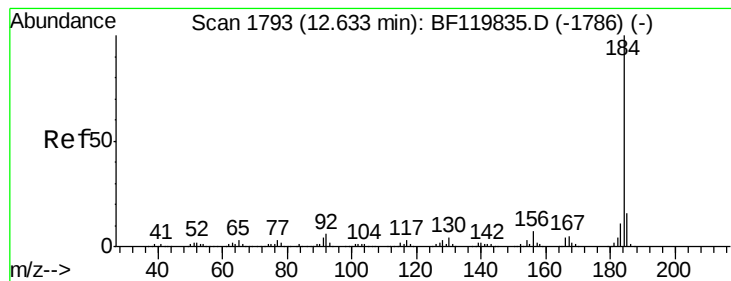
mohammad  
4/14/2020 3:38:12 PM



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.91 min Scan# 2010  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.9  | 9.0   | 13.6  |
| 236     | 25.4  | 20.7  | 31.1  |





#77

Benzidine

Concen: 57.751 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:184 Resp: 1346504

Ion Ratio Lower Upper

184 100

185 14.5 13.2 19.8

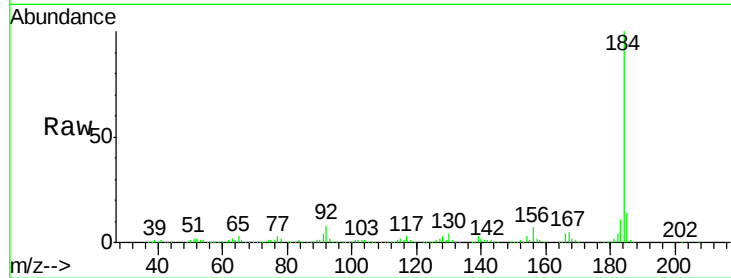
183 11.2 9.1 13.7

Manual Integrations

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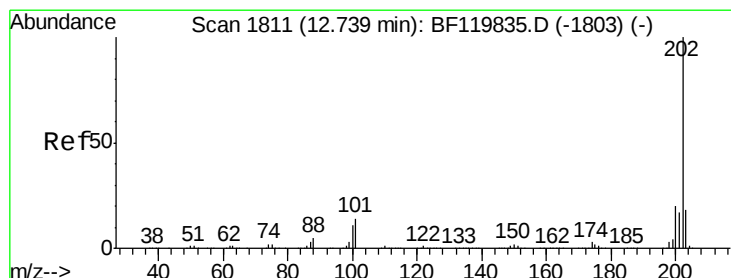
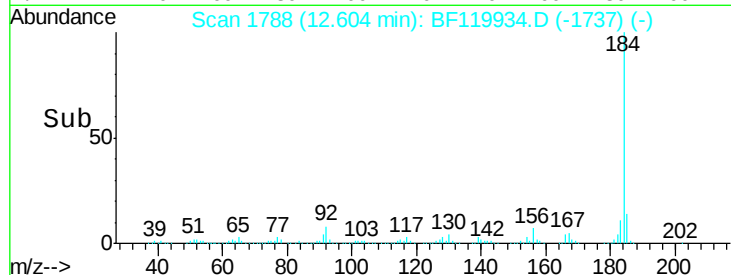
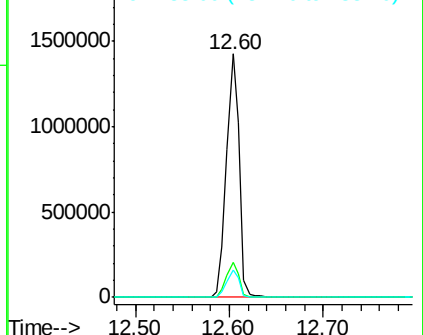
4/14/2020 3:38:12 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.472 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

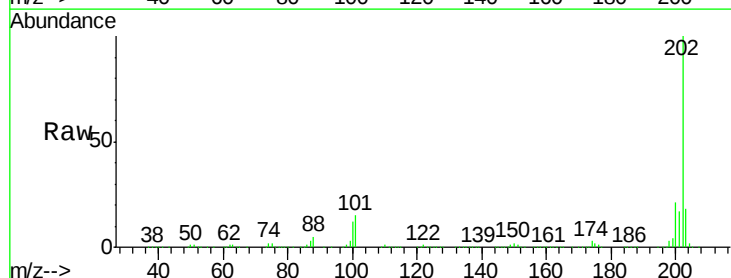
Tgt Ion:202 Resp: 2178889

Ion Ratio Lower Upper

202 100

200 21.2 16.2 24.2

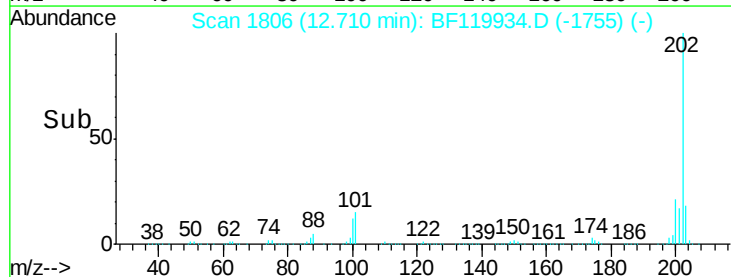
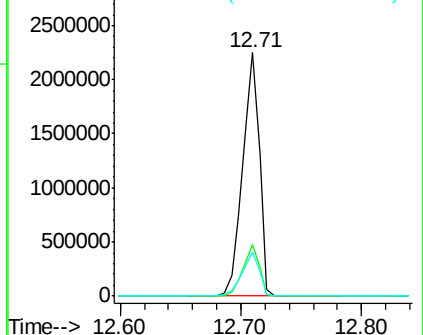
203 18.2 14.1 21.1

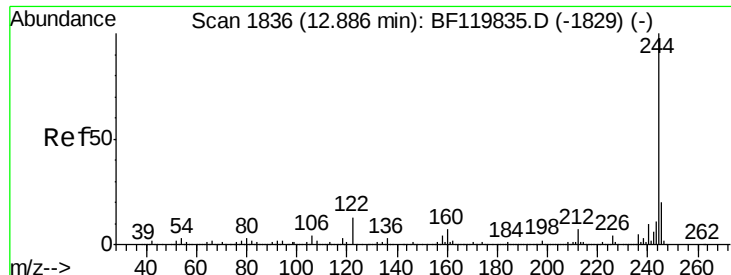


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.419 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:244 Resp: 2927624

Ion Ratio Lower Upper

244 100

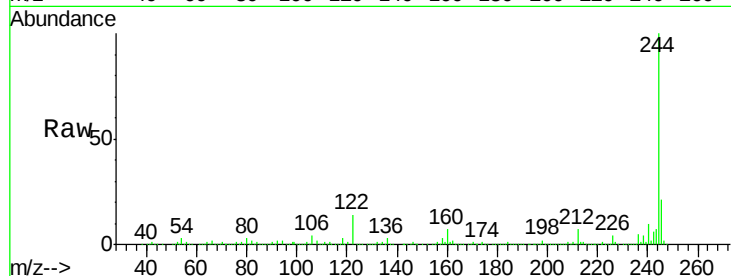
212 7.0 5.4 8.0

122 13.7 10.3 15.5

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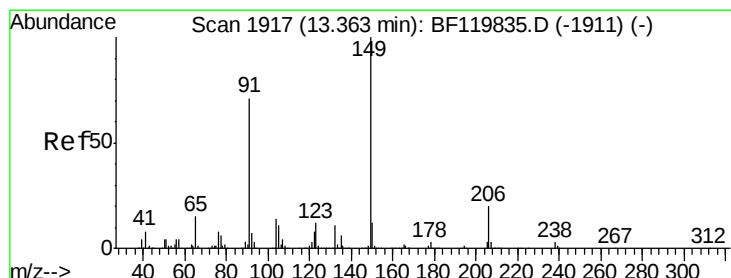
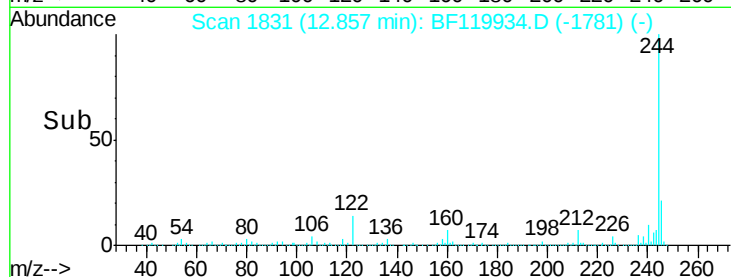
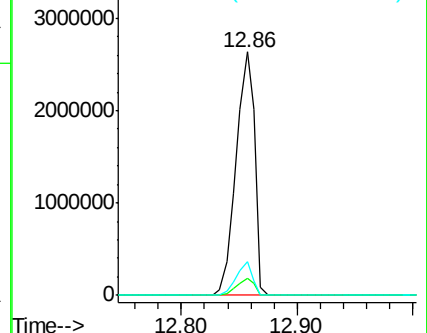
4/14/2020 3:38:12 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.056 ng

RT: 13.33 min Scan# 1912

Delta R.T. 0.00 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

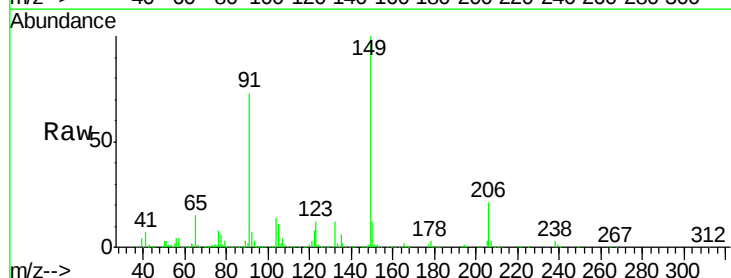
Tgt Ion:149 Resp: 1017346

Ion Ratio Lower Upper

149 100

91 72.7 56.7 85.1

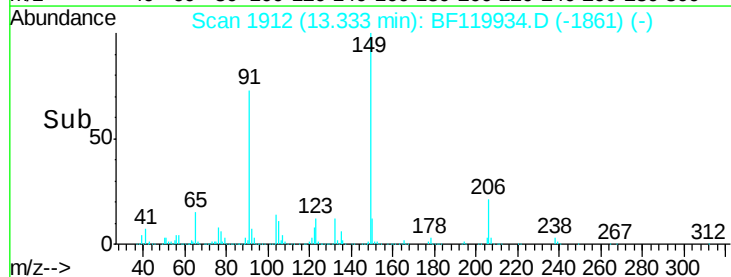
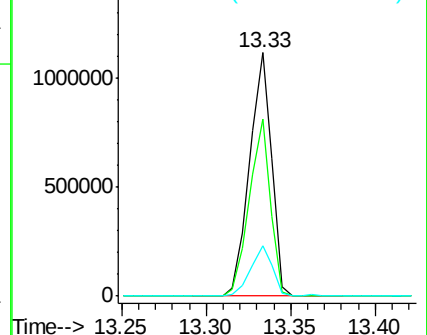
206 20.6 15.7 23.5

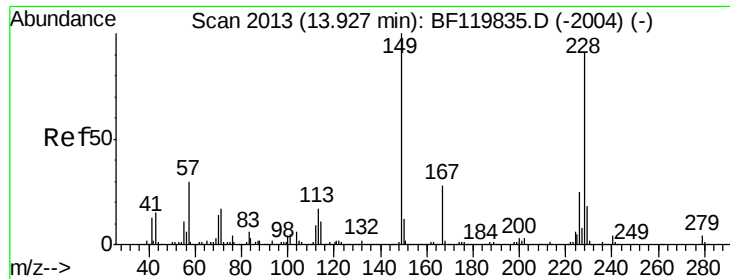


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





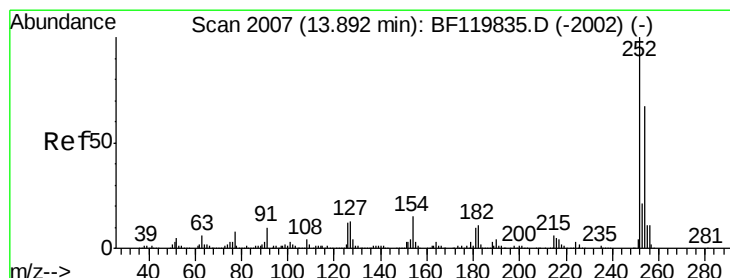
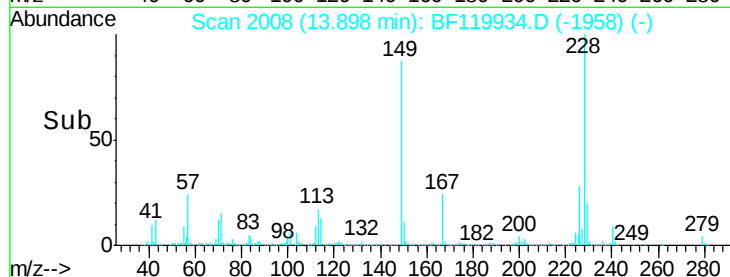
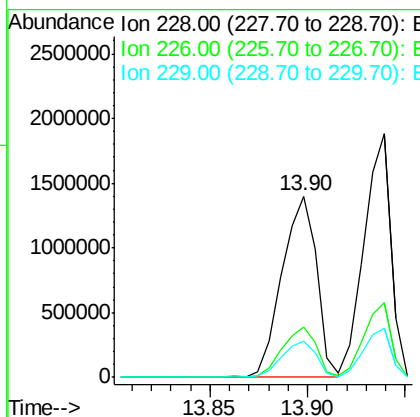
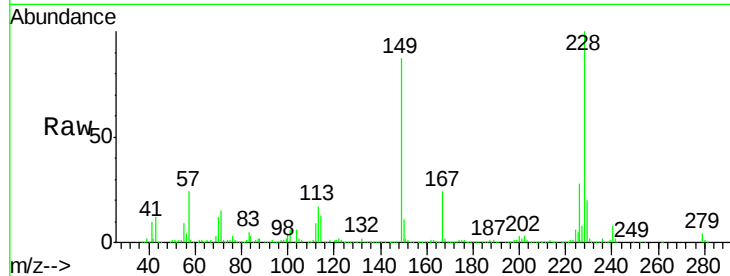
#81  
Benzo(a)anthracene  
Concen: 37.693 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

Tot Ion:228 Resp: 1710379  
Ion Ratio Lower Upper  
228 100  
226 27.7 21.9 32.9  
229 20.4 15.9 23.9

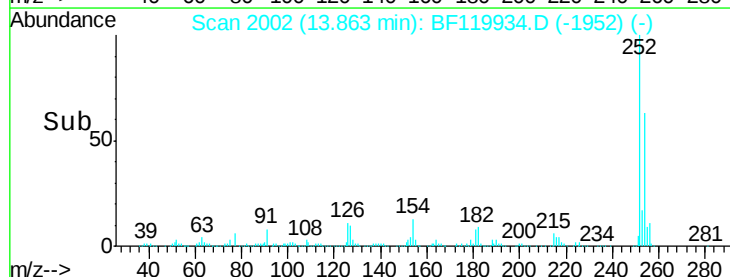
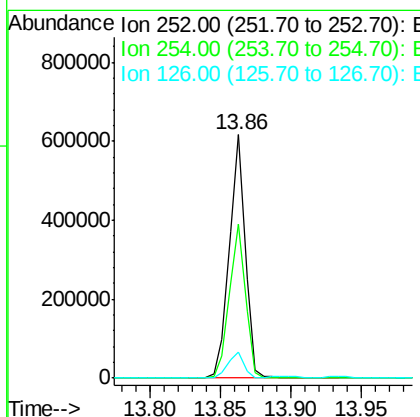
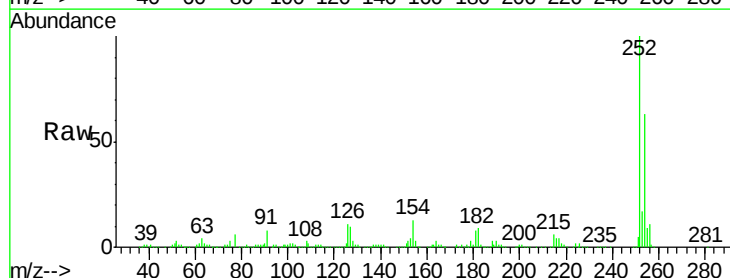
Manual Integrations  
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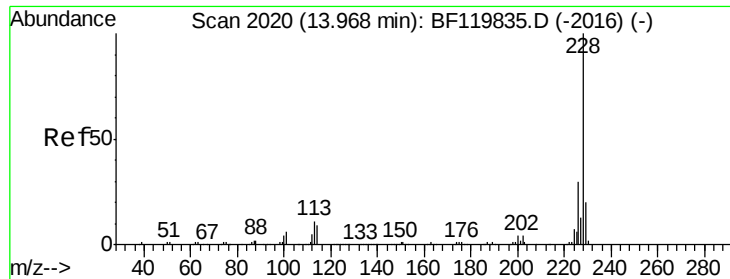
mohammad  
4/14/2020 3:38:12 PM



#82  
3,3'-Dichlorobenzidine  
Concen: 28.742 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Tgt Ion:252 Resp: 486625  
Ion Ratio Lower Upper  
252 100  
254 63.0 53.9 80.9  
126 10.9 9.7 14.5





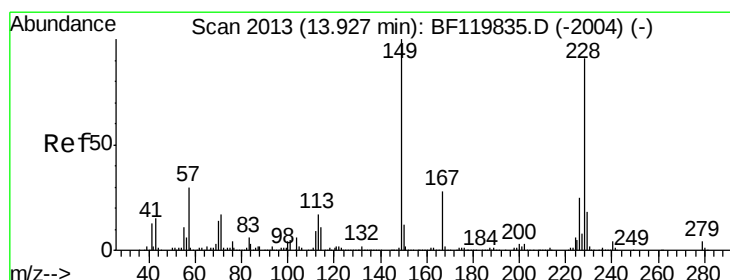
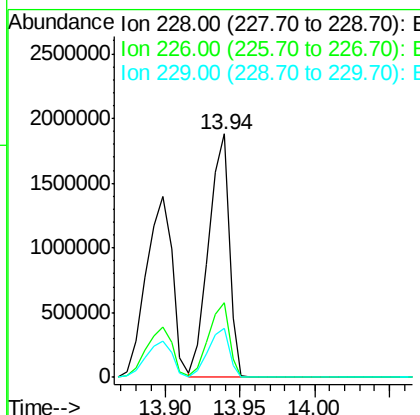
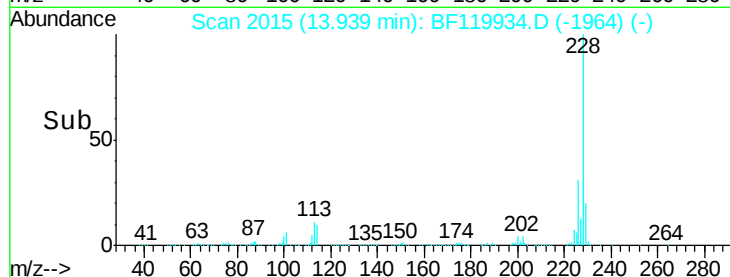
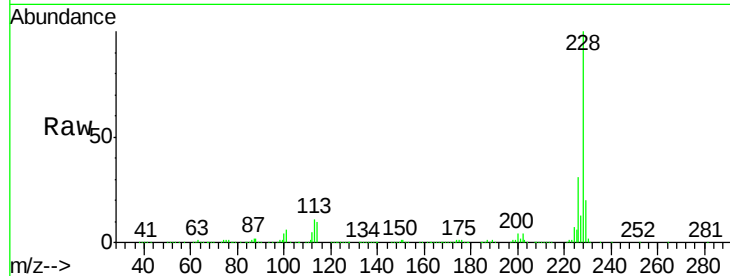
#83  
Chrysene  
Concen: 38.868 ng  
RT: 13.94 min Scan# 2015  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

Tot Ion:228 Resp: 1792088  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.2 36.2  
229 19.9 15.9 23.9

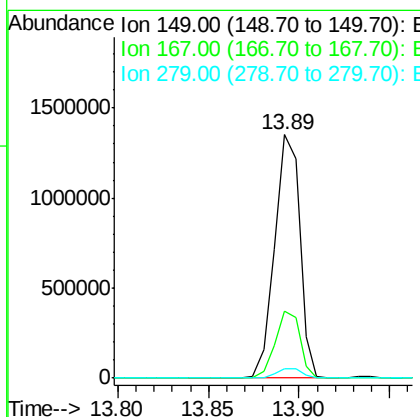
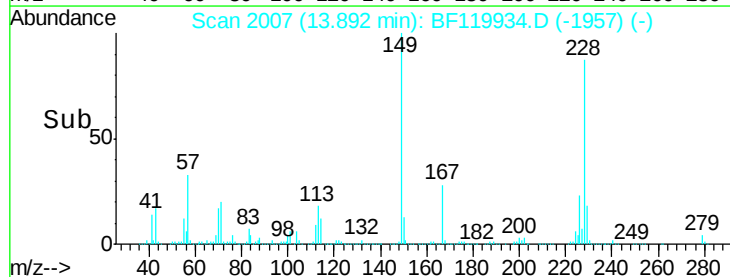
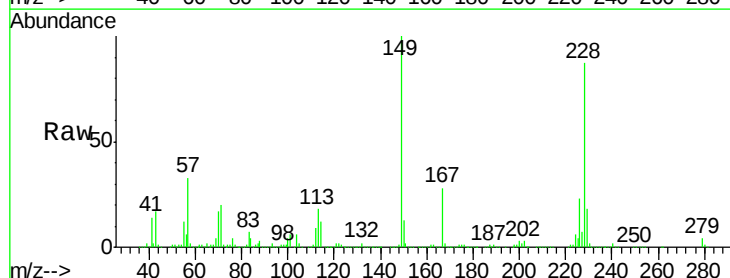
Manual Integrations  
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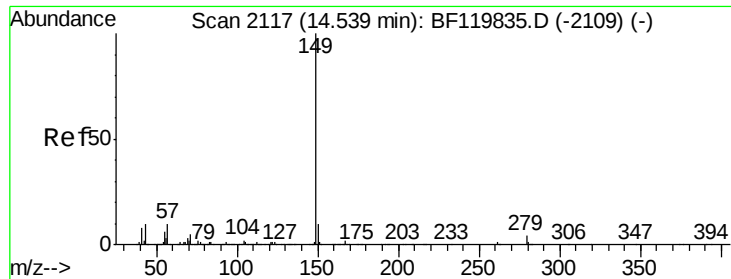
mohammad  
4/14/2020 3:38:12 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 34.184 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Tgt Ion:149 Resp: 1306131  
Ion Ratio Lower Upper  
149 100  
167 27.6 22.2 33.2  
279 3.6 3.4 5.0





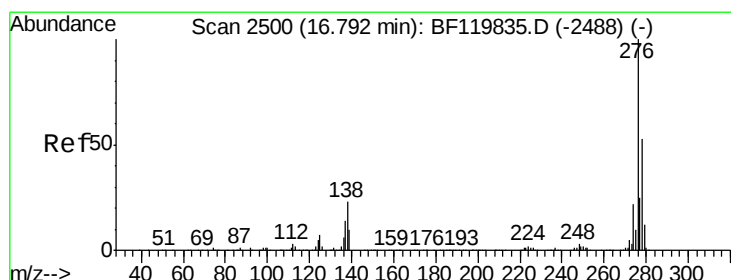
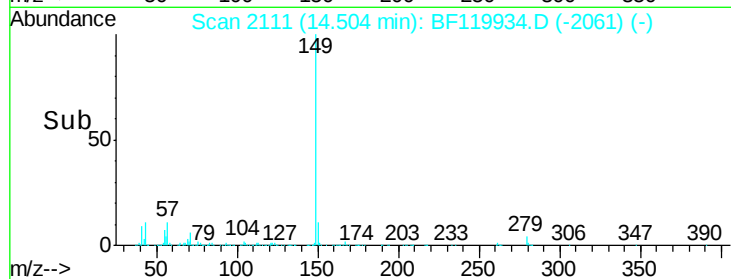
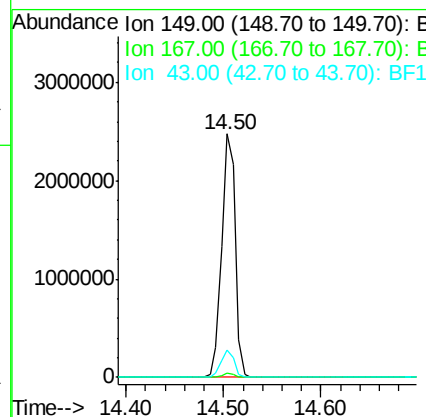
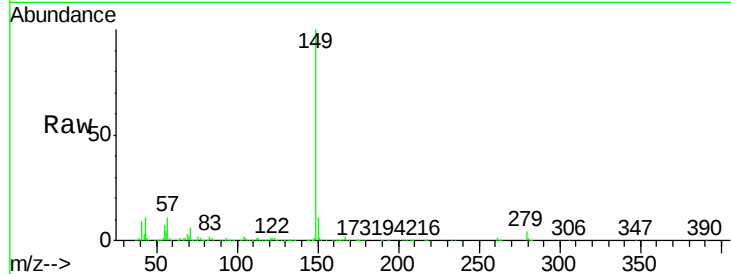
#85  
Di-n-octyl phthalate  
Concen: 36.618 ng  
RT: 14.50 min Scan# 2111  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 10.9  | 9.2   | 13.8  |

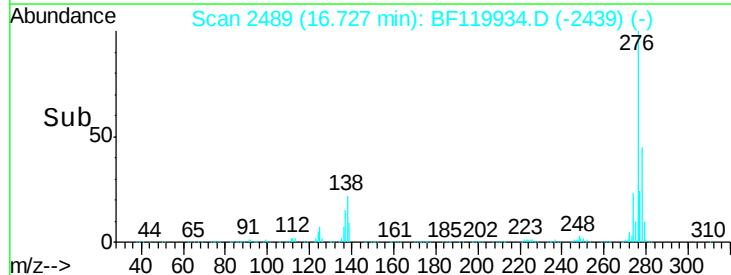
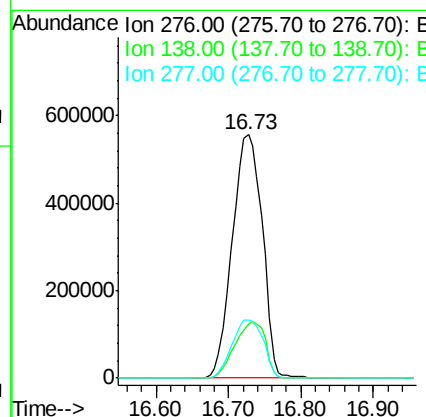
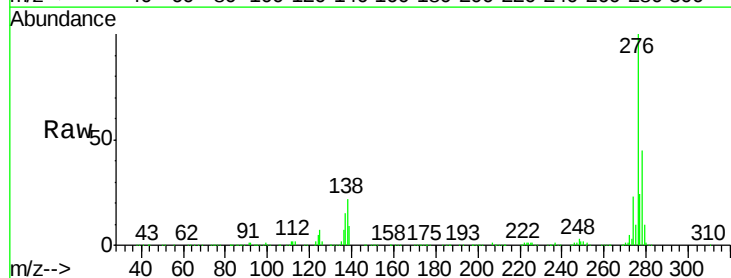
Manual Integrations  
APPROVED

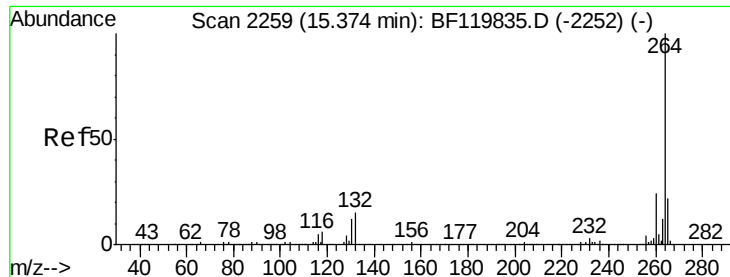
mohammad  
4/14/2020 3:38:12 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 39.522 ng  
RT: 16.73 min Scan# 2489  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.7  | 18.0  | 27.0  |
| 277     | 24.9  | 20.1  | 30.1  |





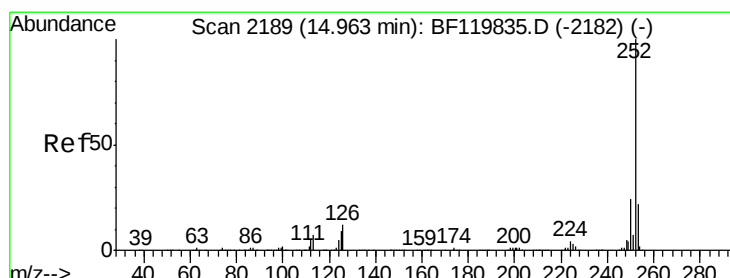
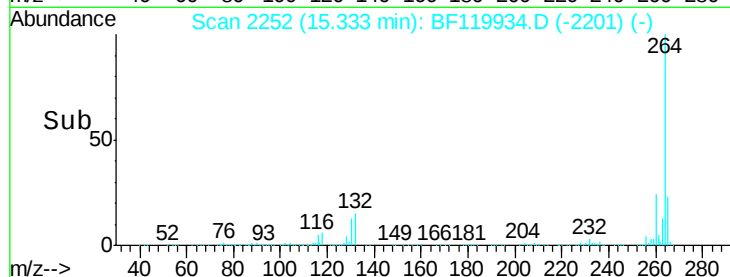
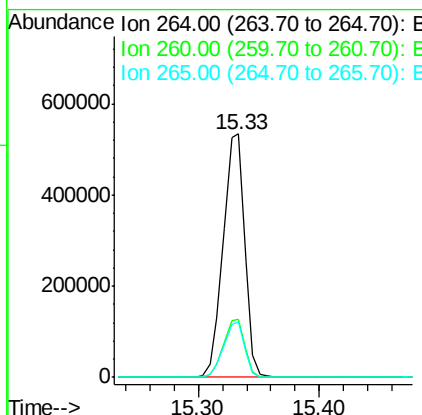
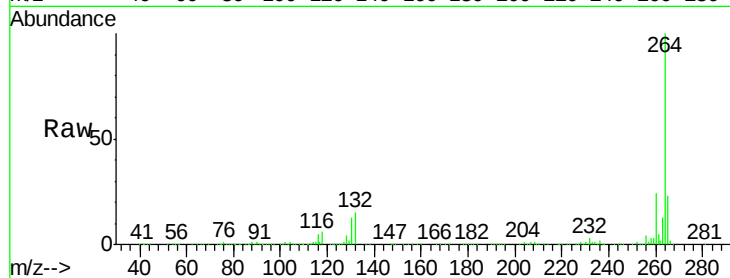
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.33 min Scan# 2252  
Delta R.T. 0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.3  | 28.9  |
| 265     | 22.8  | 17.6  | 26.4  |

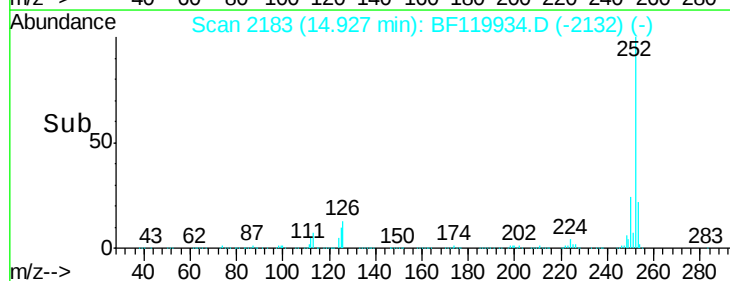
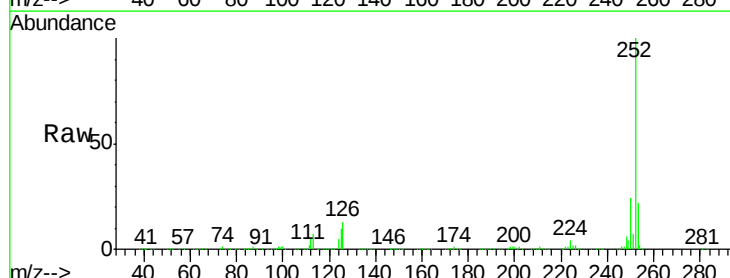
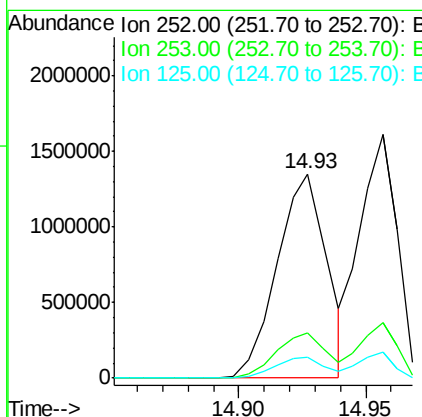
Manual Integrations  
APPROVED

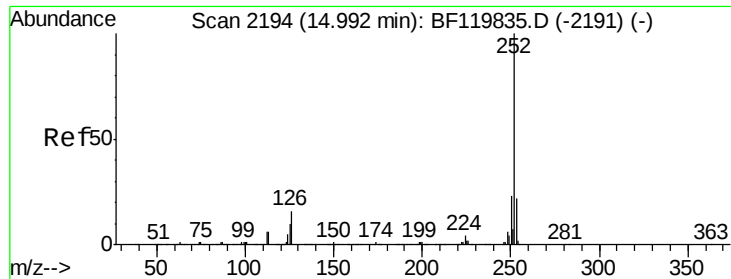
mohammad  
4/14/2020 3:38:12 PM



#88  
Benzo(b)fluoranthene  
Concen: 38.710 ng  
RT: 14.93 min Scan# 2183  
Delta R.T. -0.00 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.7  | 26.5  |
| 125     | 10.0  | 7.4   | 11.2  |





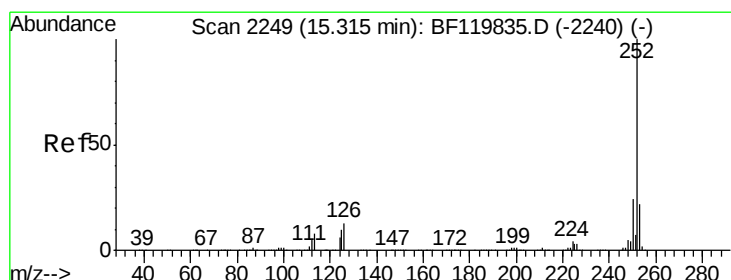
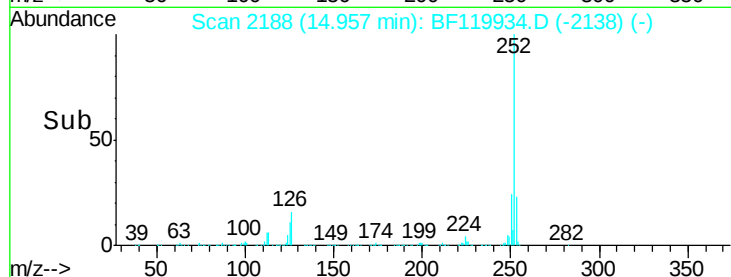
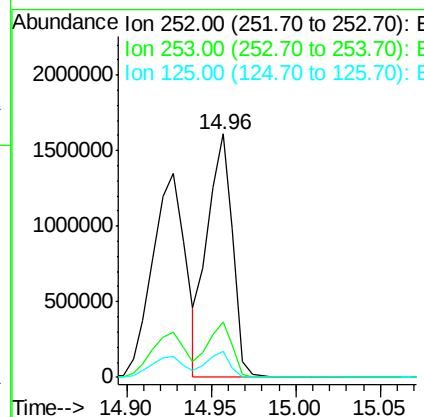
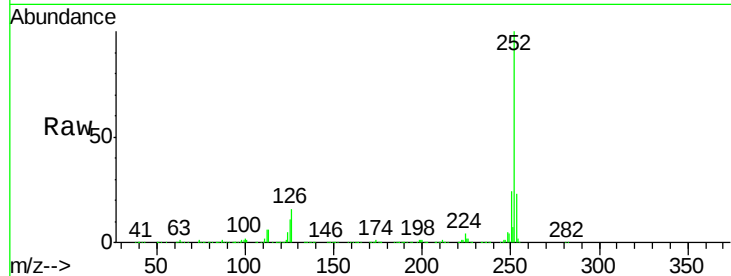
#89  
Benzo(k)fluoranthene  
Concen: 40.728 ng  
RT: 14.96 min Scan# 2188  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Instrument :  
BNA\_F  
ClientSampleId :  
PB128182BS

Tot Ion:252 Resp: 1664003  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.8  
125 10.6 7.7 11.5

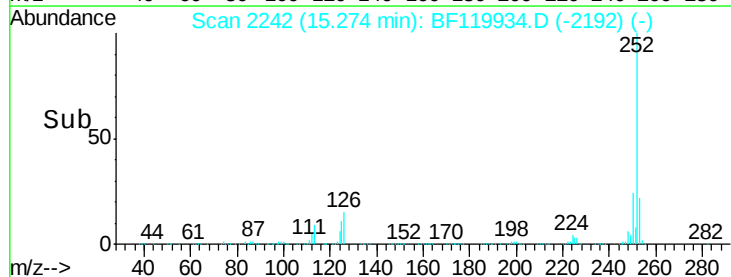
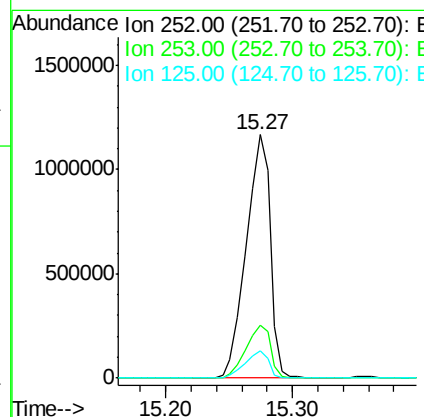
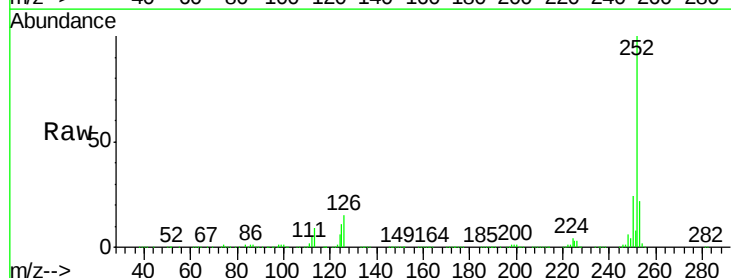
Manual Integrations  
APPROVED

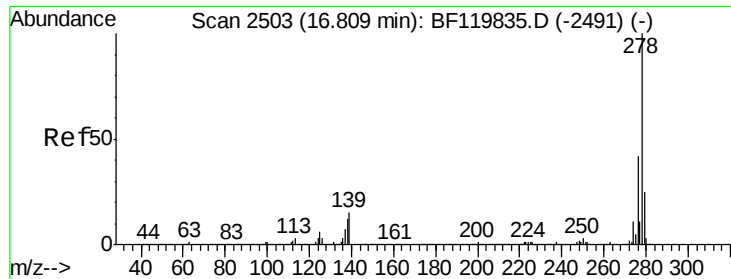
mohammad  
4/14/2020 3:38:12 PM



#90  
Benzo(a)pyrene  
Concen: 38.774 ng  
RT: 15.27 min Scan# 2242  
Delta R.T. -0.01 min  
Lab File: BF119934.D  
Acq: 14 Apr 2020 4:50

Tgt Ion:252 Resp: 1543761  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.2  
125 11.5 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 37.791 ng

RT: 16.74 min Scan# 2492

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

Instrument :

BNA\_F

ClientSampleId :

PB128182BS

Tot Ion:278 Resp: 1332785

Ion Ratio Lower Upper

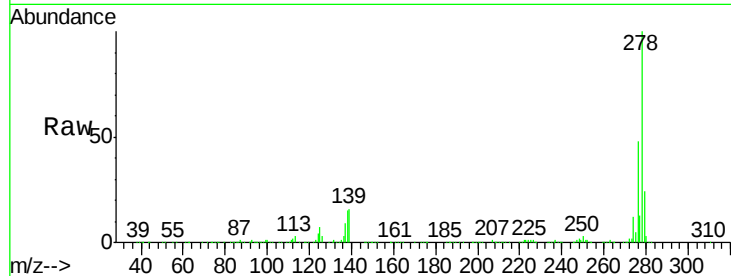
278 100

139 16.0 11.6 17.4

279 24.2 19.7 29.5

Manual Integrations  
APPROVED

mohammad  
4/14/2020 3:38:12 PM

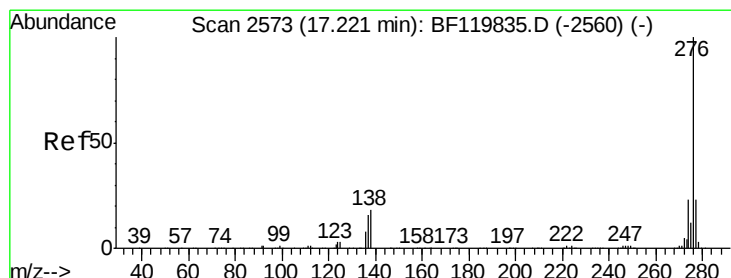
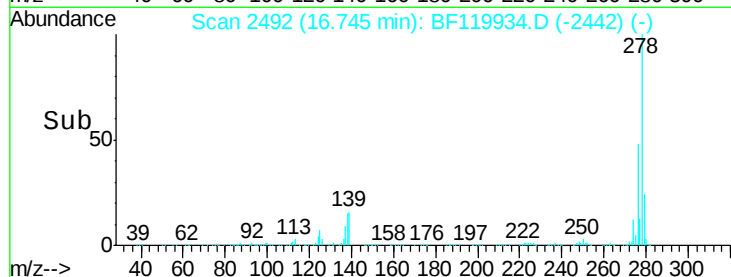
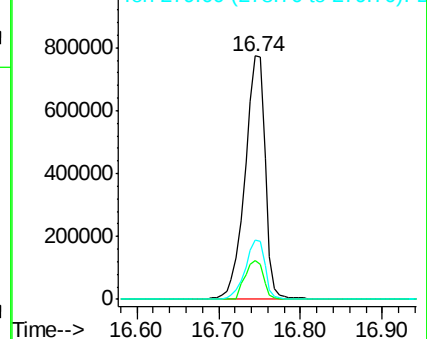


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 37.012 ng

RT: 17.15 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BF119934.D

Acq: 14 Apr 2020 4:50

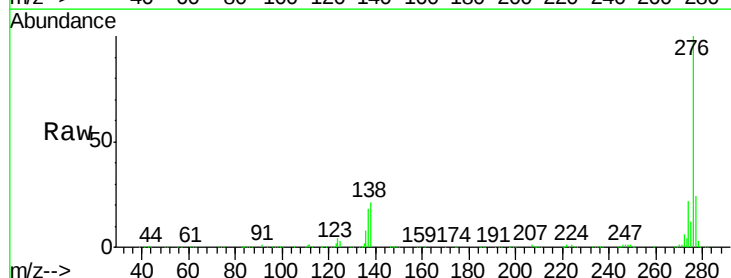
Tgt Ion:276 Resp: 1288480

Ion Ratio Lower Upper

276 100

277 23.7 18.5 27.7

138 21.1 14.6 22.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

