

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\  
 Data File : BF093058.D  
 Acq On : 21 Feb 2017 6:45  
 Operator : SJ/MA  
 Sample : PB97045BSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

Manual Integrations  
 APPROVED

mohammad  
 2/21/2017 3:58:02 PM

Quant Time: Feb 21 07:16:32 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 150411   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.13  | 136  | 594588   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.89  | 164  | 286526   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.38 | 188  | 470857   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.01 | 240  | 281939   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.44 | 264  | 291106   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 796966  | 90.90  | ng | 0.00  |
| 7) Phenol-d6             | 6.49  | 99  | 953122  | 84.49  | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 894079  | 83.74  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 187527  | 90.49  | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.22  | 172 | 1606793 | 101.60 | ng | 0.00  |
| 78) Terphenyl-d14        | 12.96 | 244 | 1035358 | 86.29  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.48 | 88  | 158806  | 33.52 | ng | 88     |
| 3) Pyridine                    | 3.20 | 79  | 409247  | 33.97 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.15 | 42  | 248612  | 43.95 | ng | 85     |
| 6) Aniline                     | 6.51 | 93  | 368661  | 23.96 | ng | # 52   |
| 8) 2-Chlorophenol              | 6.64 | 128 | 436913  | 45.17 | ng | 89     |
| 9) Benzaldehyde                | 6.38 | 77  | 65849   | 8.15  | ng | # 78   |
| 10) Phenol                     | 6.50 | 94  | 526265  | 39.87 | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 6.58 | 93  | 437182  | 41.50 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 6.78 | 146 | 482220m | 42.57 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146 | 499155  | 43.53 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 7.01 | 146 | 436829  | 39.84 | ng | 96     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 355338  | 42.55 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 752515  | 41.12 | ng | 96     |
| 17) 2-Methylphenol             | 7.12 | 107 | 379294  | 45.71 | ng | 98     |
| 18) Hexachloroethane           | 7.36 | 117 | 162540  | 41.53 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70  | 299242  | 41.67 | ng | 95     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 442534  | 44.61 | ng | # 74   |
| 22) Acetophenone               | 7.26 | 105 | 570247  | 42.01 | ng | # 94   |
| 24) Nitrobenzene               | 7.44 | 77  | 469901  | 42.86 | ng | 98     |
| 25) Isophorone                 | 7.68 | 82  | 881106  | 44.28 | ng | 96     |
| 26) 2-Nitrophenol              | 7.76 | 139 | 261849  | 50.24 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 419584  | 45.84 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 589398  | 44.73 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.00 | 162 | 363781  | 42.62 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 8.08 | 180 | 379860  | 41.29 | ng | 94     |
| 31) Naphthalene                | 8.16 | 128 | 1171447 | 38.87 | ng | 99     |
| 32) Benzoic acid               | 7.94 | 122 | 227037  | 44.41 | ng | 94     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 147640  | 12.49 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.27 | 225 | 192778  | 38.09 | ng | 99     |
| 35) Caprolactam                | 8.58 | 113 | 122496  | 45.62 | ng | # 29   |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 397187  | 44.63 | ng | 97     |
| 37) 2-Methylnaphthalene        | 8.85 | 142 | 847967  | 43.82 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 341169  | 42.42 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.00 | 237 | 251349  | 69.27 | ng | 97     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\  
 Data File : BF093058.D  
 Acq On : 21 Feb 2017 6:45  
 Operator : SJ/MA  
 Sample : PB97045BSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB97045BSD

Manual Integrations  
 APPROVED

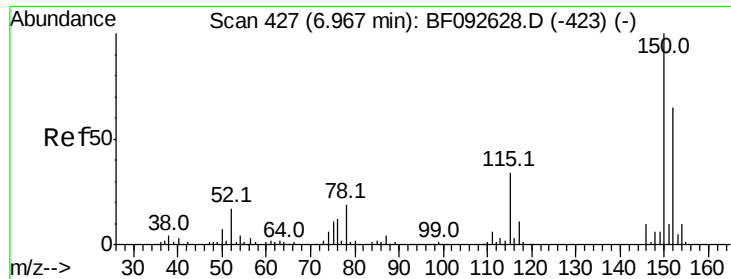
mohammad  
 2/21/2017 3:58:02 PM

Quant Time: Feb 21 07:16:32 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) 2,4,6-Trichlorophenol      | 9.14  | 196  | 252387   | 47.76 | nq    | 94       |
| 43) 2,4,5-Trichlorophenol      | 9.18  | 196  | 256562   | 44.31 | nq    | # 82     |
| 45) 1,1'-Biphenyl              | 9.31  | 154  | 919272   | 44.31 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.34  | 162  | 772590   | 47.60 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.44  | 65   | 231983   | 42.51 | nq    | 95       |
| 48) Acenaphthylene             | 9.76  | 152  | 1261658  | 45.00 | nq    | 98       |
| 49) Dimethylphthalate          | 9.62  | 163  | 921013   | 47.72 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 206021   | 49.43 | nq    | # 77     |
| 51) Acenaphthene               | 9.93  | 154  | 739506   | 44.11 | nq    | 96       |
| 52) 3-Nitroaniline             | 9.85  | 138  | 110939   | 23.26 | nq    | 98       |
| 53) 2,4-Dinitrophenol          | 9.96  | 184  | 170112   | 80.22 | nq    | # 73     |
| 54) Dibenzofuran               | 10.10 | 168  | 1085190  | 48.40 | nq    | 94       |
| 55) 4-Nitrophenol              | 10.03 | 139  | 317196   | 92.33 | nq    | # 75     |
| 56) 2,4-Dinitrotoluene         | 10.09 | 165  | 255816   | 46.10 | nq    | 96       |
| 57) Fluorene                   | 10.44 | 166  | 830804   | 48.16 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 182857   | 47.34 | nq    | 98       |
| 59) Diethylphthalate           | 10.32 | 149  | 874237   | 48.07 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204  | 358326   | 43.24 | nq    | 89       |
| 61) 4-Nitroaniline             | 10.46 | 138  | 190346   | 38.96 | nq    | 92       |
| 62) Azobenzene                 | 10.59 | 77   | 951858   | 50.66 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 133716   | 46.73 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 10.56 | 169  | 749300   | 49.82 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 10.92 | 248  | 228749   | 46.50 | nq    | 90       |
| 67) Hexachlorobenzene          | 10.99 | 284  | 217944   | 44.83 | nq    | 94       |
| 68) Atrazine                   | 11.08 | 200  | 225567   | 46.73 | nq    | 98       |
| 69) Pentachlorophenol          | 11.18 | 266  | 208309   | 82.74 | nq    | 97       |
| 70) Phenanthrene               | 11.40 | 178  | 1172803  | 43.48 | nq    | 98       |
| 71) Anthracene                 | 11.45 | 178  | 1105521  | 40.81 | nq    | 99       |
| 72) Carbazole                  | 11.61 | 167  | 982282   | 37.93 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.94 | 149  | 1420603  | 50.73 | nq    | # 96     |
| 74) Fluoranthene               | 12.59 | 202  | 1055966  | 37.95 | nq    | 92       |
| 76) Benzidine                  | 12.71 | 184  | 331165   | 27.56 | nq    | 98       |
| 77) Pyrene                     | 12.82 | 202  | 1008284  | 47.79 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.44 | 149  | 496246   | 57.92 | nq    | # 76     |
| 80) Benzo(a)anthracene         | 14.00 | 228  | 717952   | 41.64 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 204064   | 33.20 | nq    | # 97     |
| 82) Chrysene                   | 14.03 | 228  | 691793   | 42.85 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 612066   | 52.23 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.60 | 149  | 1006097  | 52.73 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.85 | 276  | 851400   | 68.08 | nq    | # 94     |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 877503m  | 45.80 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.06 | 252  | 544810m  | 32.93 | nq    |          |
| 89) Benzo(a)pyrene             | 15.38 | 252  | 721967   | 43.56 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.87 | 278  | 710076   | 53.01 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.28 | 276  | 729464   | 53.91 | nq    | # 92     |
| -----                          |       |      |          |       |       |          |

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





#1

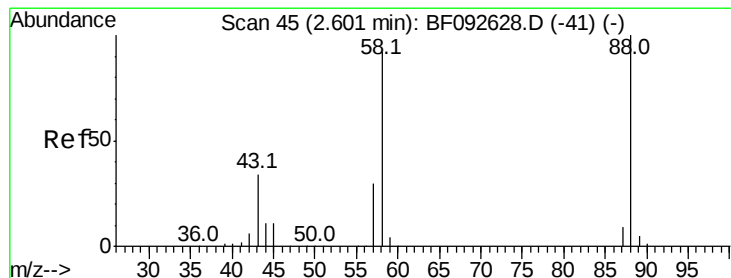
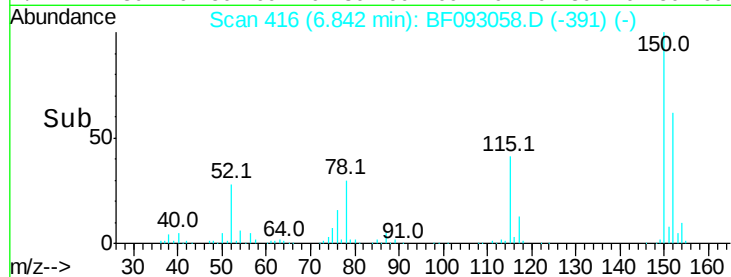
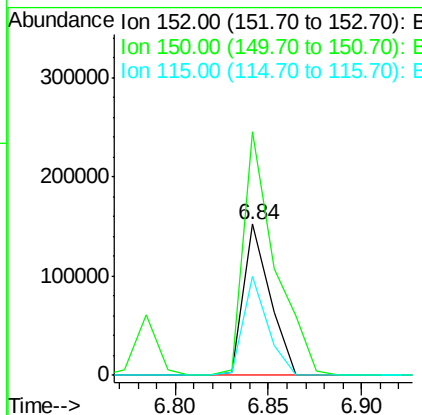
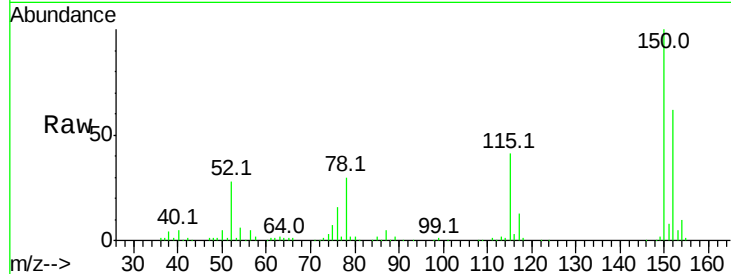
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.84 min Scan# 416  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.8 | 124.9 | 187.3 |
| 115     | 65.3  | 46.0  | 69.0  |

Manual Integrations  
APPROVED

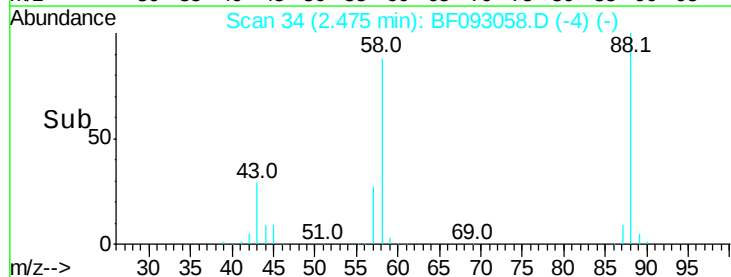
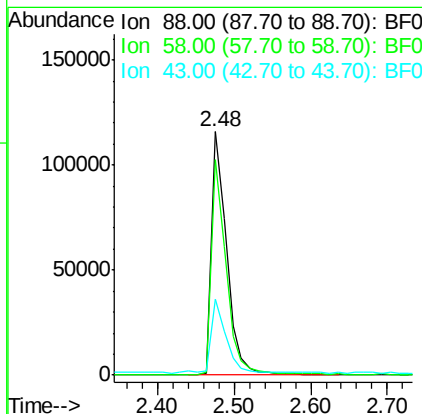
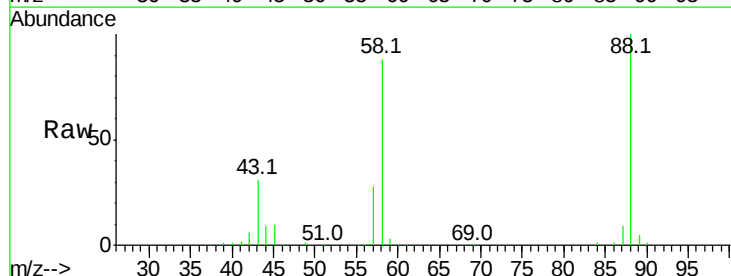
mohammad  
2/21/2017 3:58:02 PM

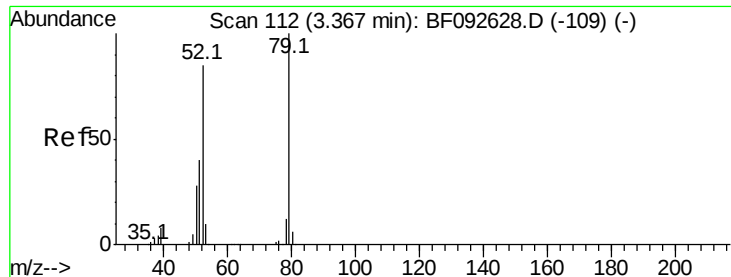


#2

1,4-Dioxane  
Concen: 33.52 ng  
RT: 2.48 min Scan# 34  
Delta R.T. 0.05 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 84.5  | 57.8  | 86.8  |
| 43      | 31.3  | 22.3  | 33.5  |





#3

Pvridine

Concen: 33.97 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.05 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

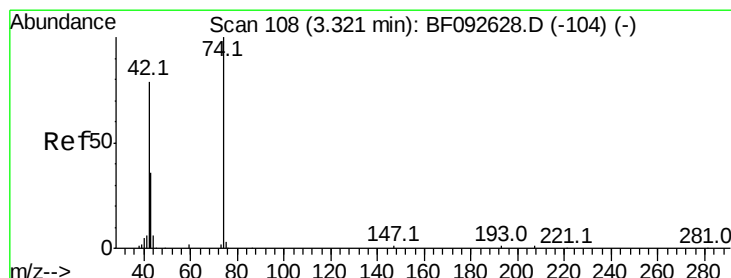
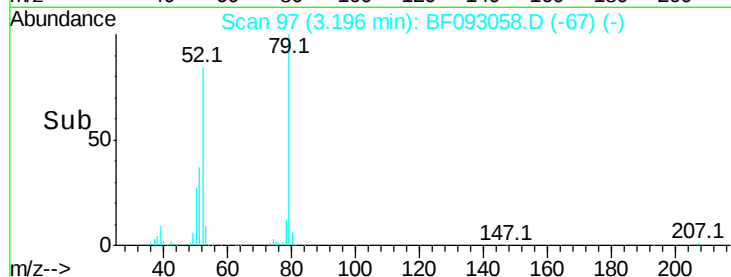
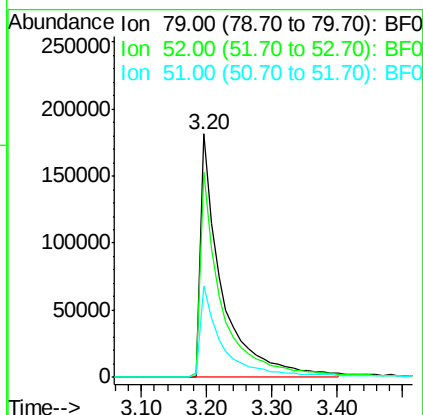
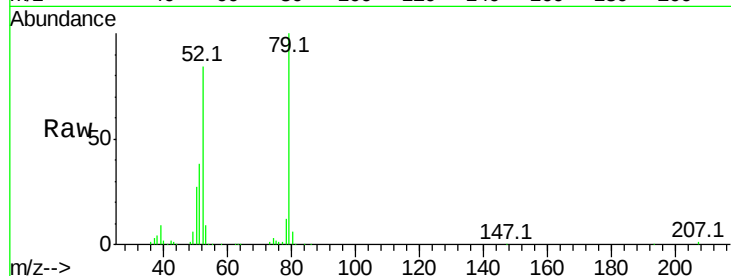
ClientSampleId :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 409247 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 84.4  | 57.1  | 85.7   |
| 51        | 37.5  | 27.3  | 40.9   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#4

n-Nitrosodimethylamine

Concen: 43.95 ng

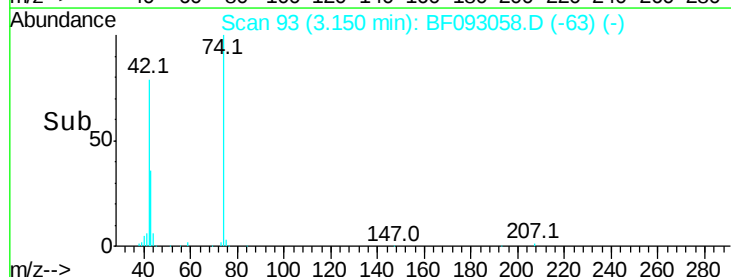
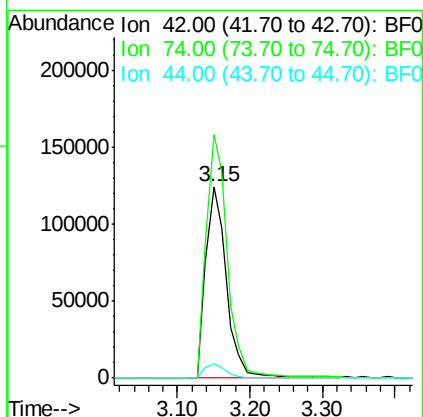
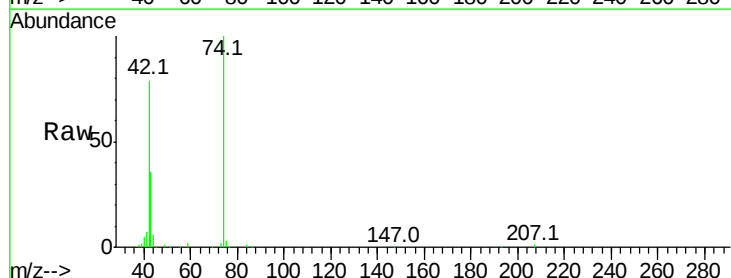
RT: 3.15 min Scan# 93

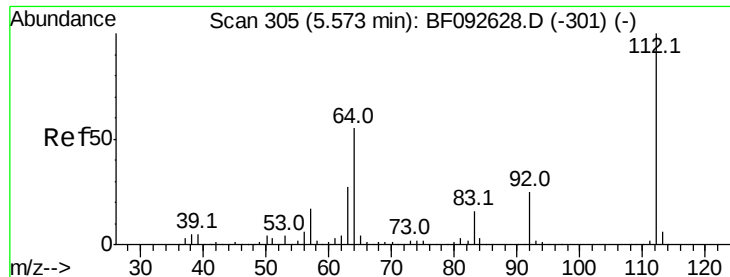
Delta R.T. 0.05 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 248612 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 127.3 | 117.0 | 175.4  |
| 44        | 7.6   | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 90.90 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

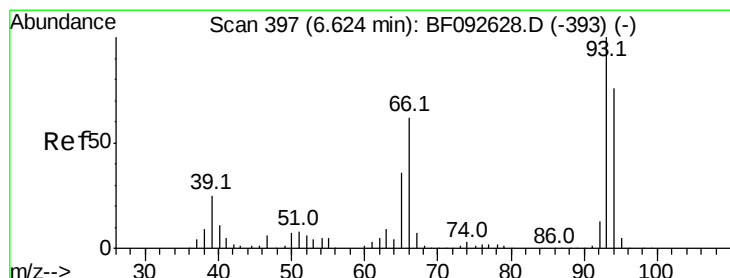
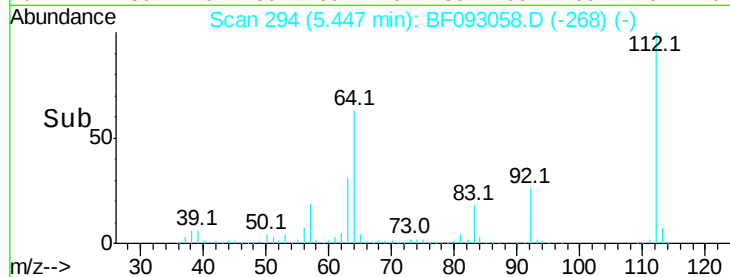
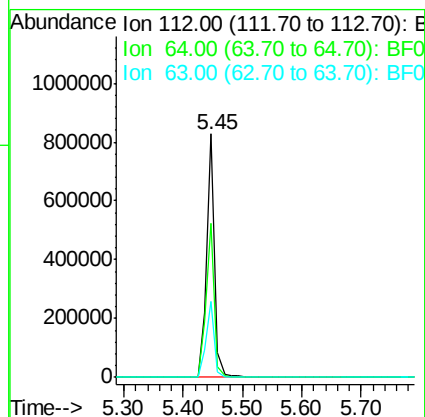
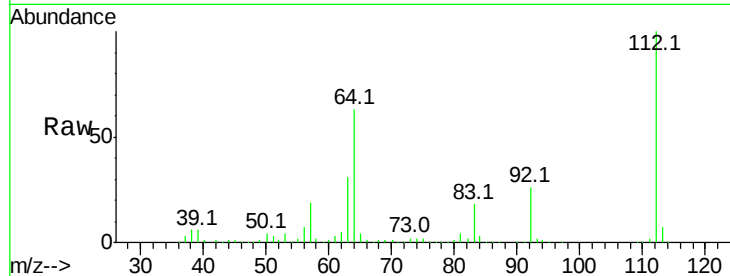
ClientSampleId :

PB97045BSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 112     | 100  |       | 796966 |       |       |
| 64      | 63.1 | 46.1  | 69.1   |       |       |
| 63      | 31.0 | 23.8  | 35.6   |       |       |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#6

Aniline

Concen: 23.96 ng

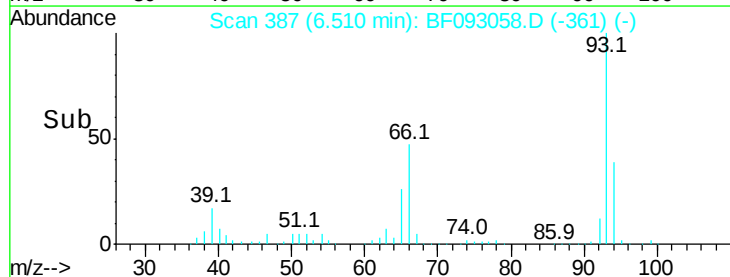
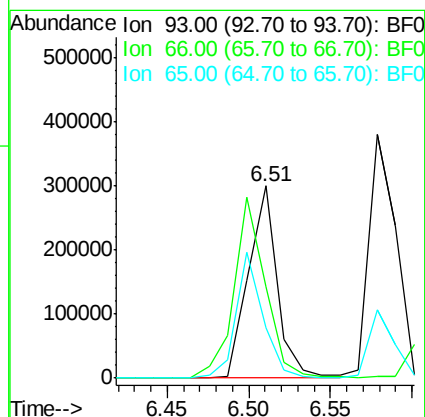
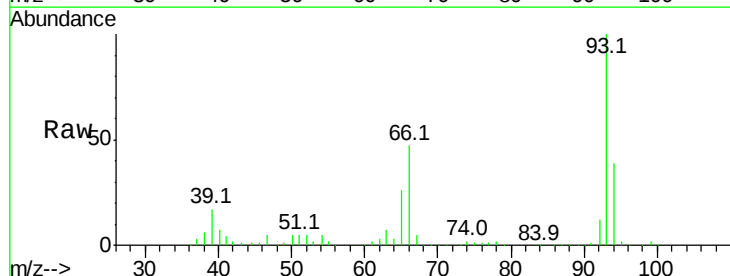
RT: 6.51 min Scan# 387

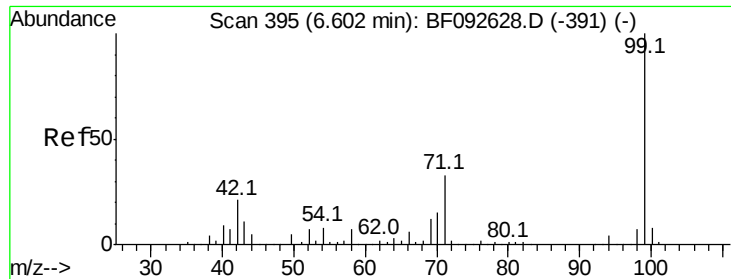
Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 368661 |       |       |
| 66      | 47.5 | 76.2  | 114.2# |       |       |
| 65      | 25.9 | 49.3  | 73.9#  |       |       |





#7

Phenol-d6

Concen: 84.49 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

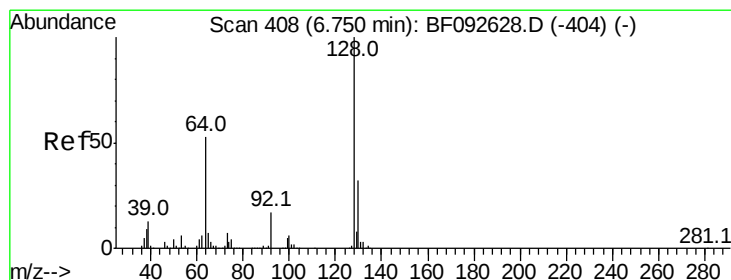
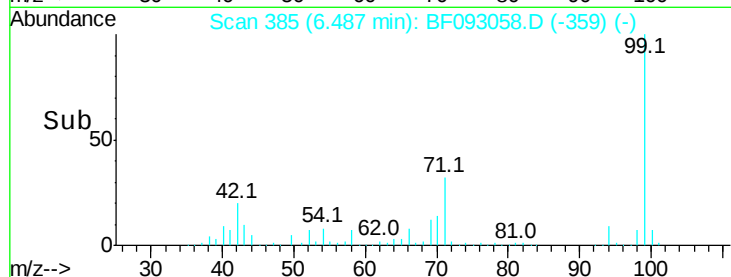
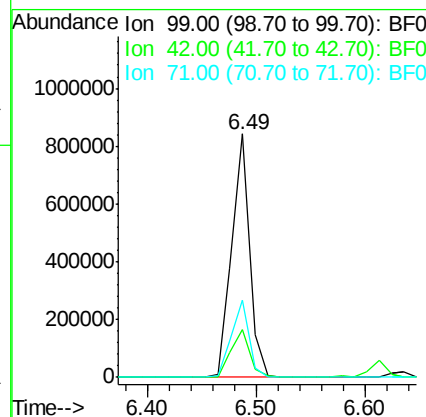
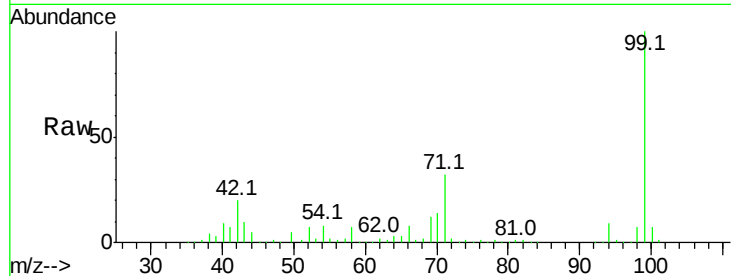
ClientSampled :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 953122 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 19.7  | 15.6  | 23.4   |
| 71        | 31.9  | 27.5  | 41.3   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#8

2-Chlorophenol

Concen: 45.17 ng

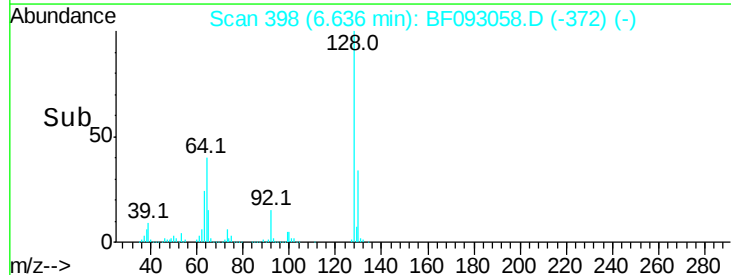
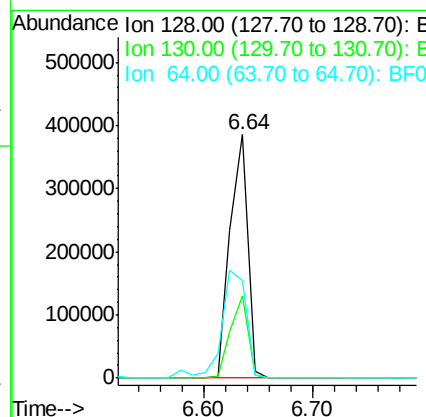
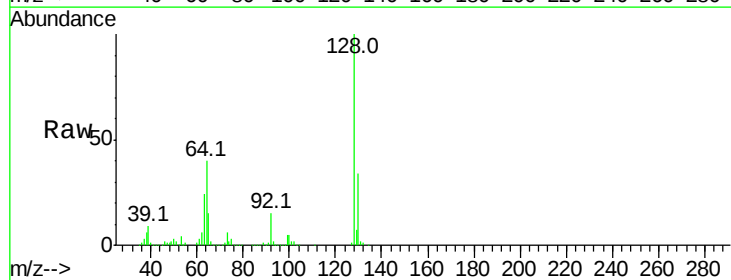
RT: 6.64 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 436913 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 33.7  | 12.3  | 52.3   |
| 64        | 40.3  | 32.2  | 72.2   |





#9

Benzaldehyde

Concen: 8.15 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

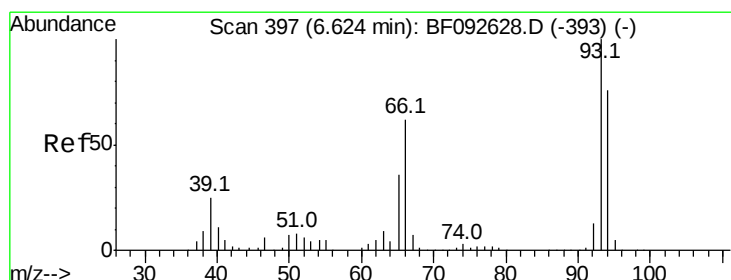
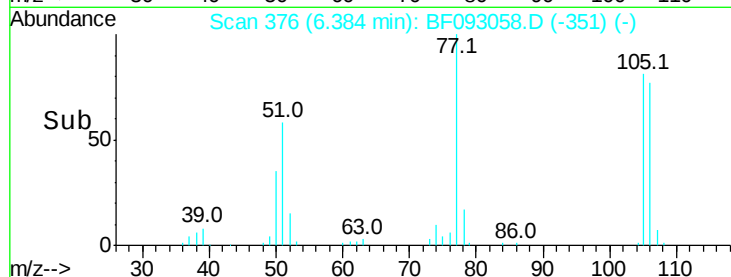
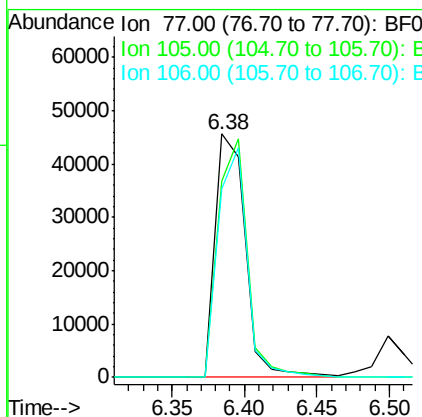
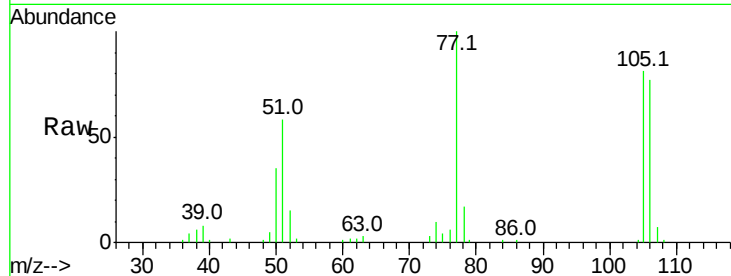
ClientSampleId :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 65849  |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 80.6  | 83.9  | 123.9# |
| 106       | 77.4  | 77.6  | 117.6# |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#10

Phenol

Concen: 39.87 ng

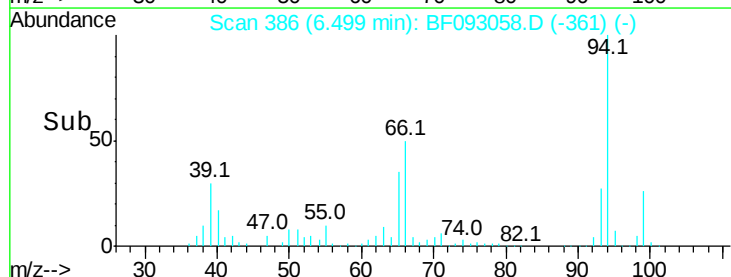
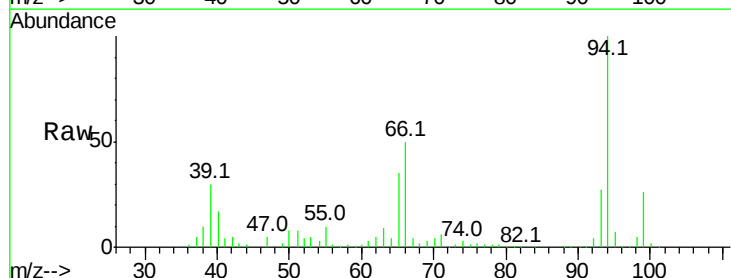
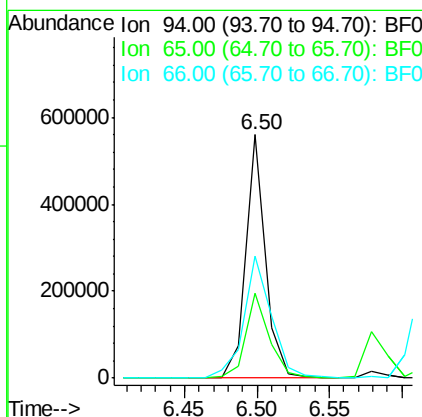
RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 526265 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 35.1  | 21.4  | 61.4   |
| 66        | 50.3  | 44.0  | 84.0   |





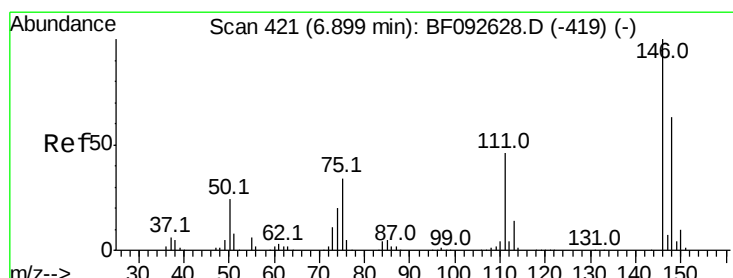
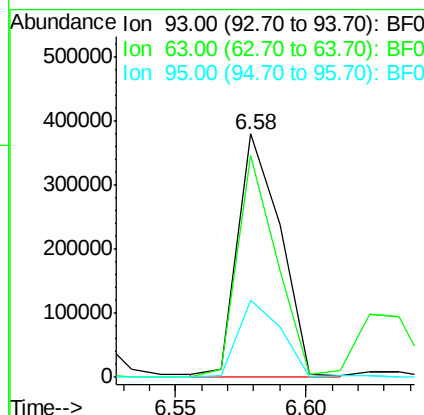
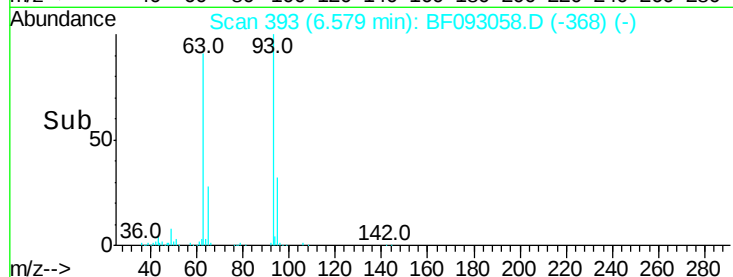
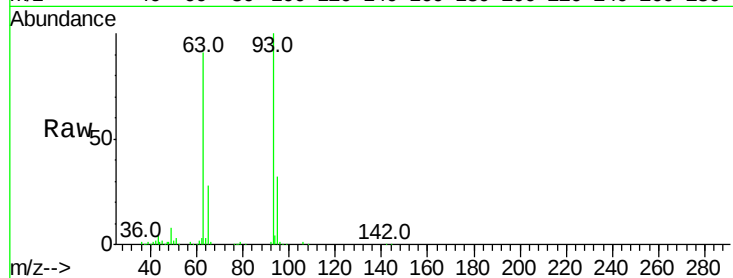
#11  
bis(2-Chloroethyl)ether  
Concen: 41.50 ng  
RT: 6.58 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 437182 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 90.9  | 60.4  | 100.4  |
| 95        | 31.9  | 12.8  | 52.8   |

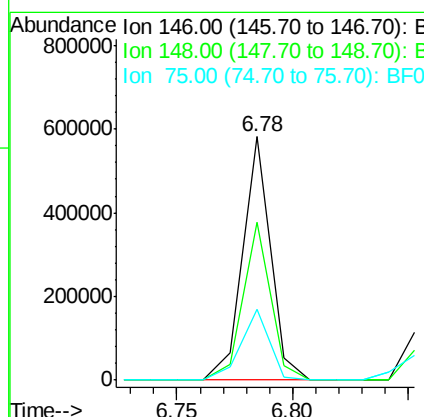
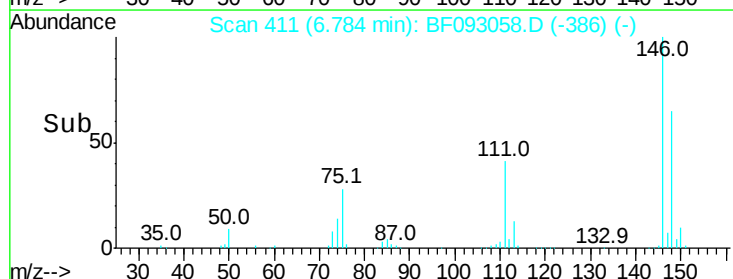
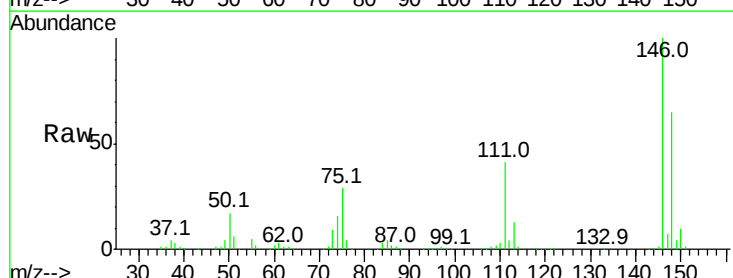
Manual Integrations  
APPROVED

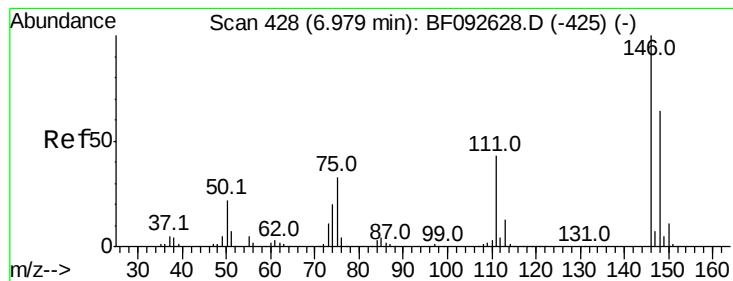
mohammad  
2/21/2017 3:58:02 PM



#12  
1,3-Dichlorobenzene  
Concen: 42.57 ng m  
RT: 6.78 min Scan# 411  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 482220 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 53.4  | 80.0   |
| 75        | 29.4  | 18.5  | 27.7#  |





#13

1,4-Dichlorobenzene

Concen: 43.53 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

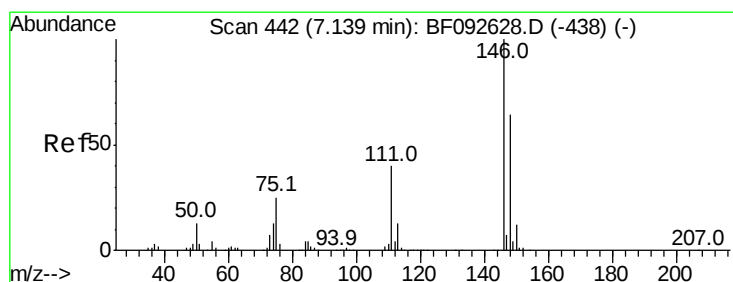
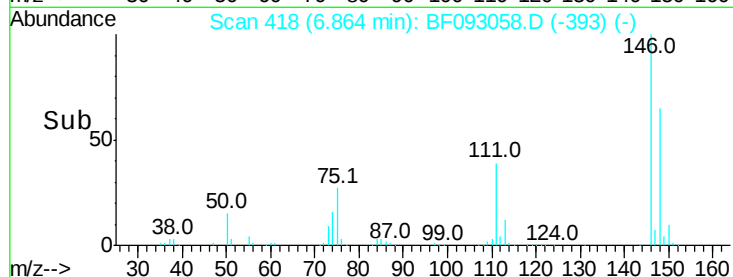
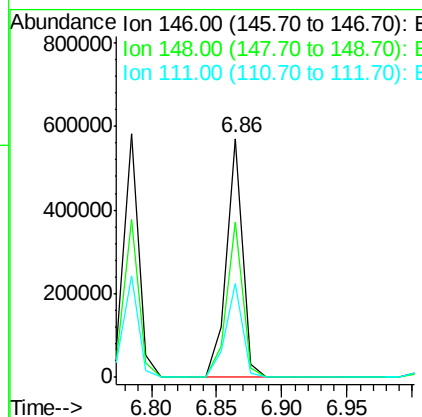
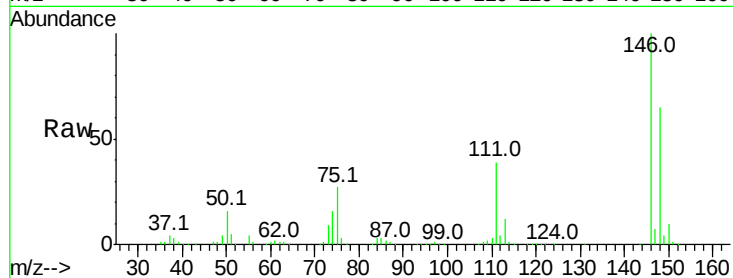
ClientSampleId :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 499155 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.2  | 50.6  | 76.0   |
| 111       | 39.1  | 36.2  | 54.4   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#14

1,2-Dichlorobenzene

Concen: 39.84 ng

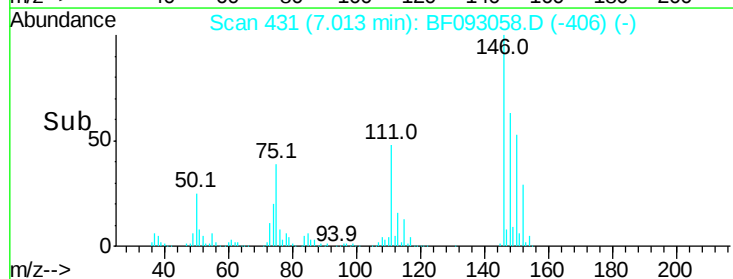
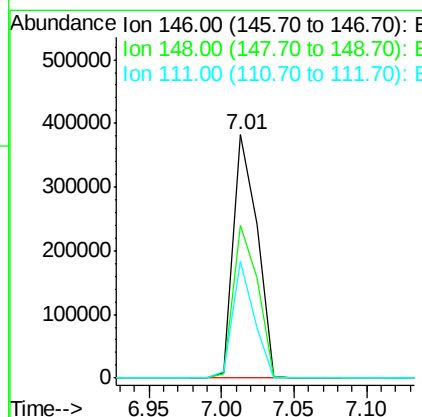
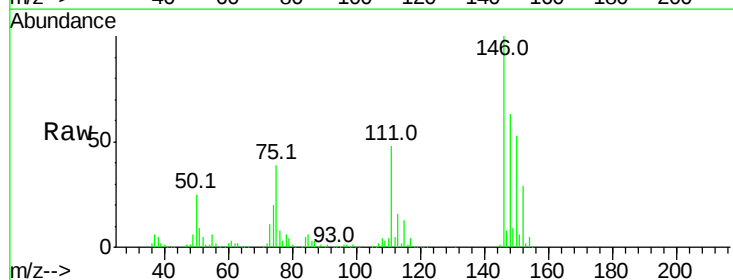
RT: 7.01 min Scan# 431

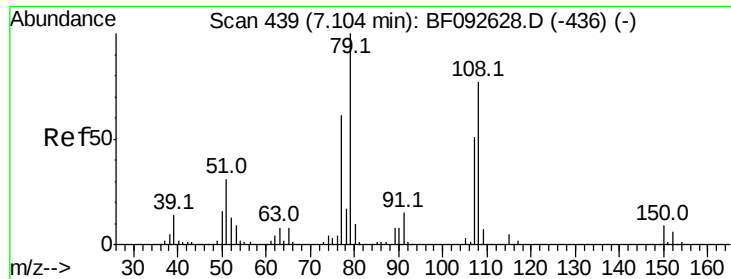
Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 436829 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.9  | 52.2  | 78.2   |
| 111       | 48.1  | 36.2  | 54.2   |





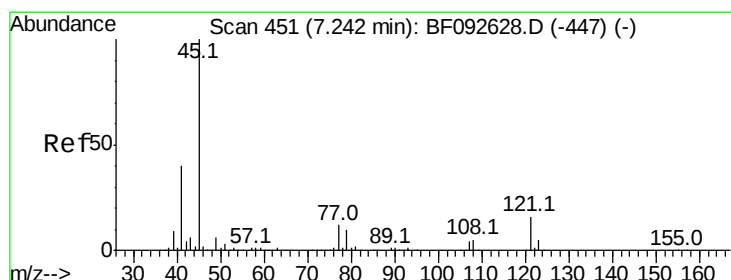
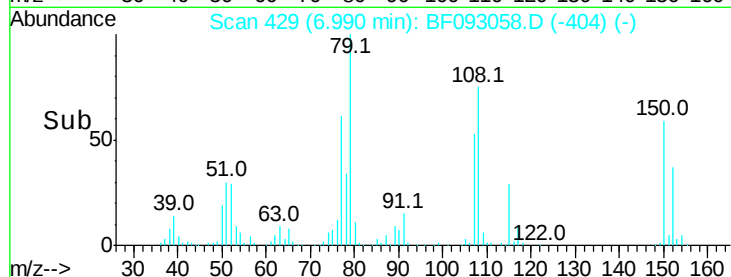
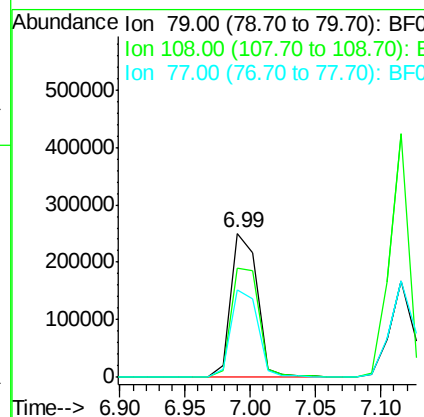
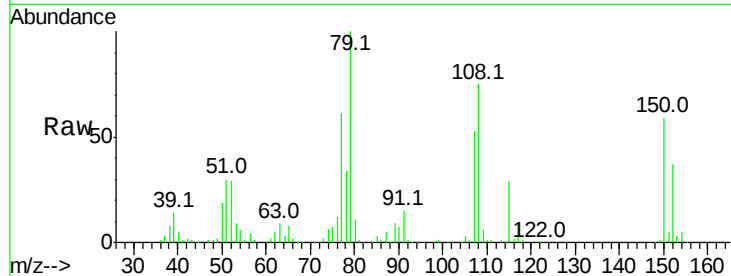
#15  
Benzyl Alcohol  
Concen: 42.55 ng  
RT: 6.99 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 75.5  | 61.4  | 92.0  |
| 77      | 60.7  | 50.9  | 76.3  |

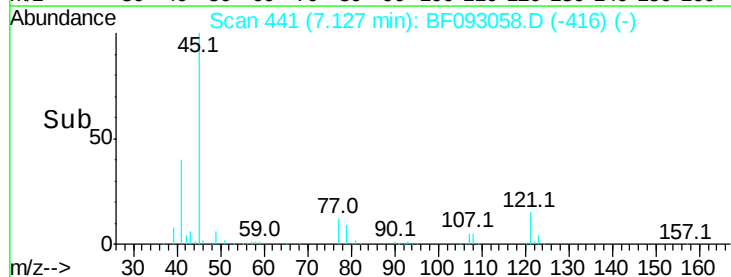
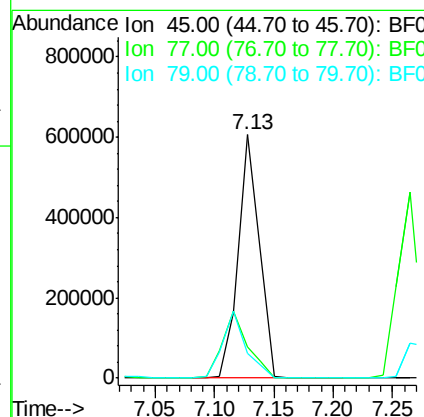
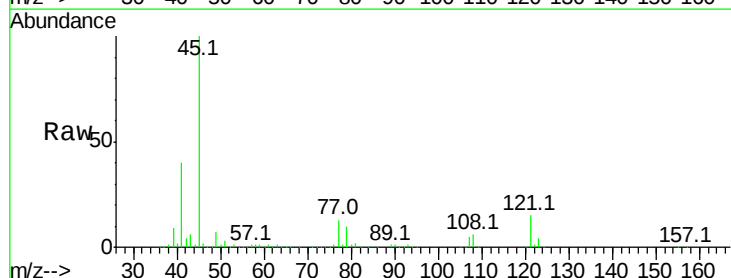
Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.12 ng  
RT: 7.13 min Scan# 441  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 12.6  | 0.0   | 34.6  |
| 79      | 10.2  | 0.0   | 31.2  |





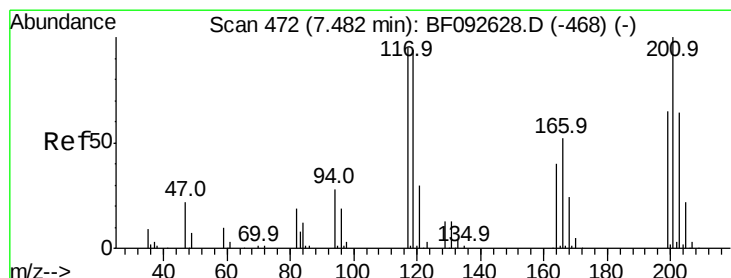
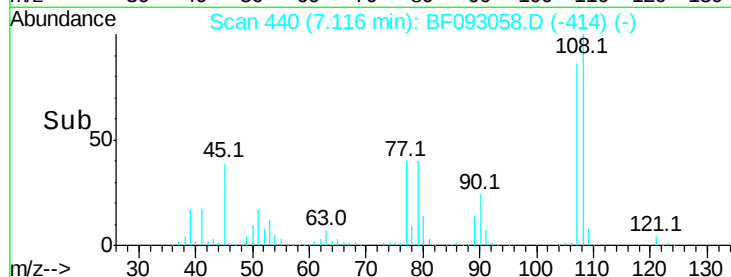
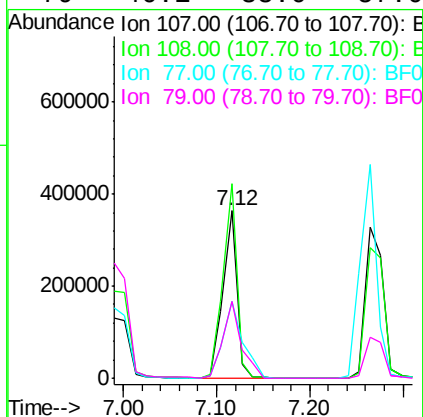
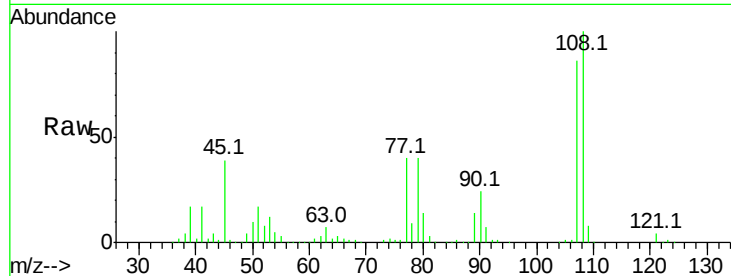
#17  
2-Methylphenol  
Concen: 45.71 ng  
RT: 7.12 min Scan# 440  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 116.4 | 93.0  | 139.6 |
| 77      | 46.2  | 39.8  | 59.8  |
| 79      | 46.1  | 38.0  | 57.0  |

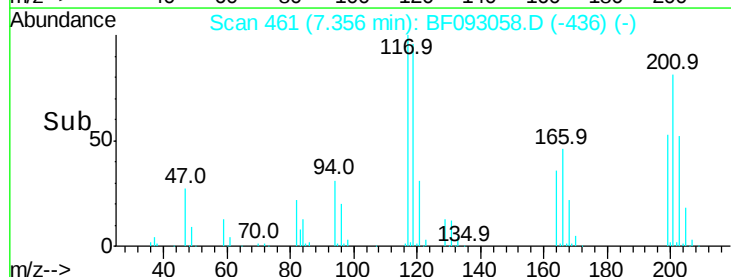
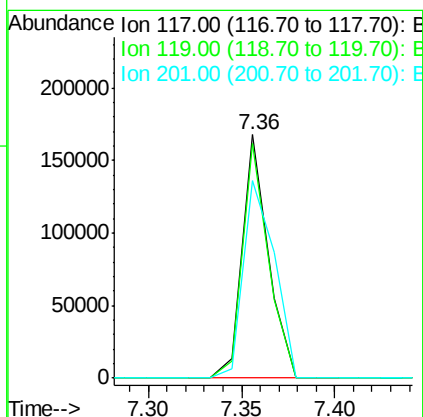
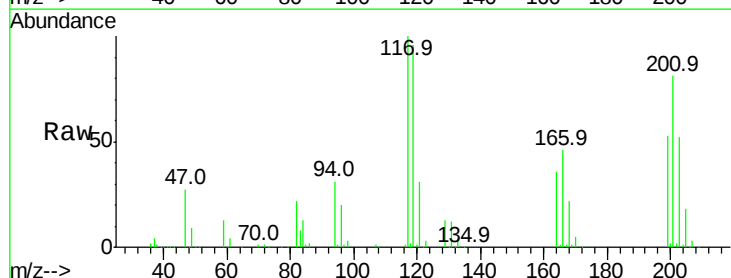
Manual Integrations  
APPROVED

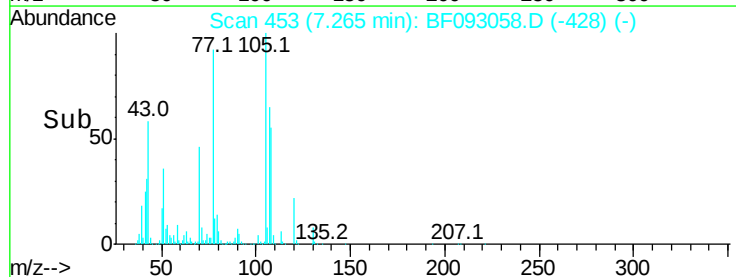
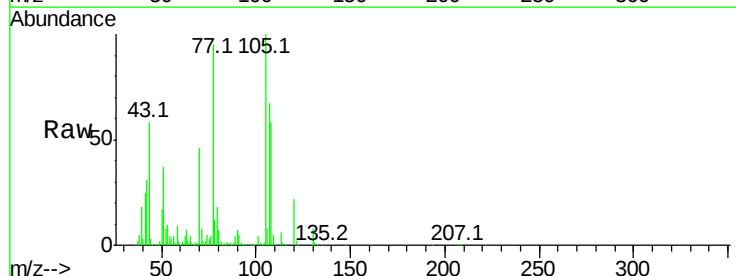
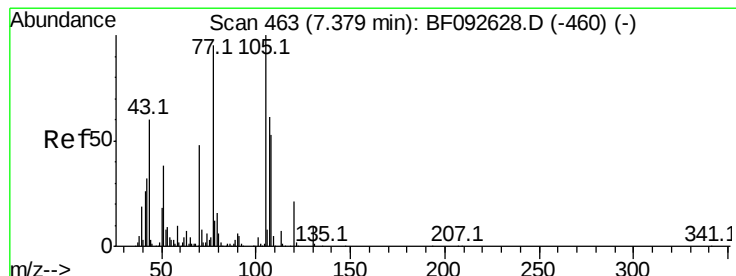
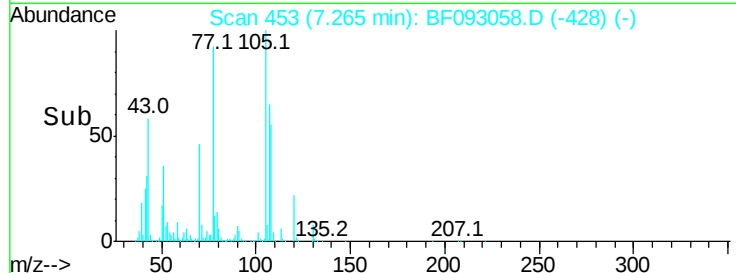
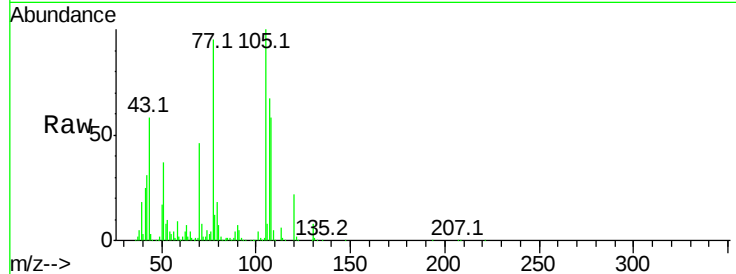
mohammad  
2/21/2017 3:58:02 PM



#18  
Hexachloroethane  
Concen: 41.53 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 78.1  | 117.1 |
| 201     | 81.0  | 78.6  | 117.8 |





#19

n-Nitroso-di-n-propylamine

Concen: 41.67 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

ClientSampleId :

PB97045BSD

Tot Ion: 70 Resp: 299242

Ion Ratio Lower Upper

70 100

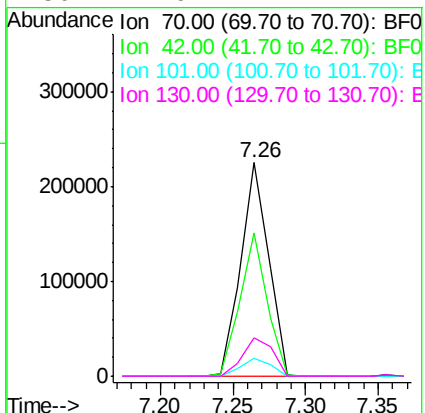
42 67.2 49.4 74.0

101 8.4 7.4 11.2

130 17.9 14.2 21.4

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#20

3+4-Methylphenols

Concen: 44.61 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Tgt Ion: 107 Resp: 442534

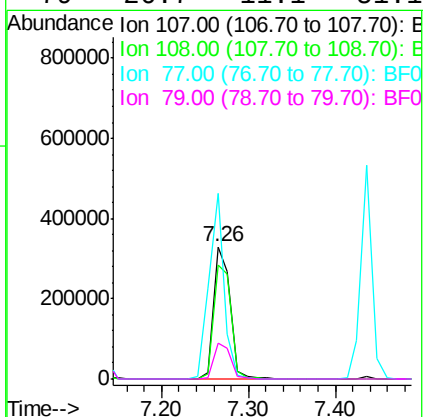
Ion Ratio Lower Upper

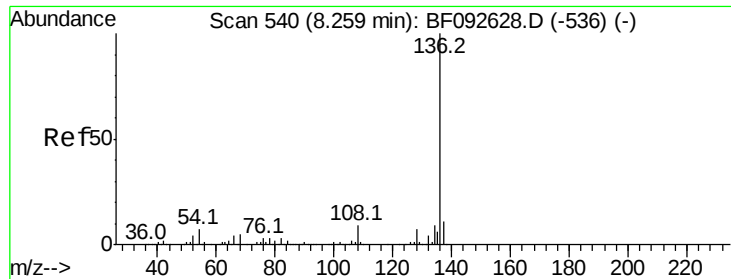
107 100

108 86.2 73.0 113.0

77 141.0 71.3 111.3#

79 26.7 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

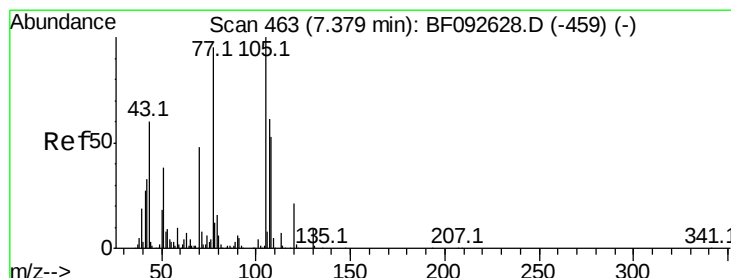
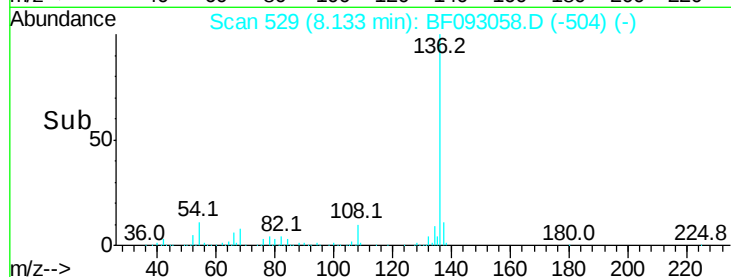
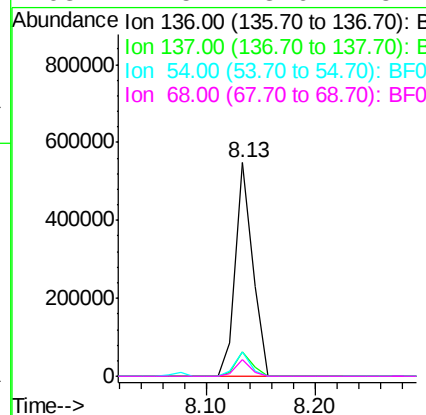
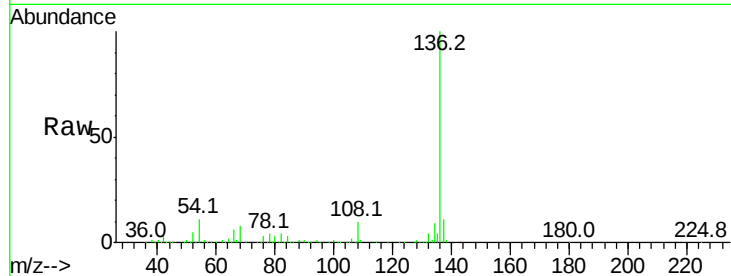
ClientSampleId :

PB97045BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.5  | 8.4        | 12.6  |
| 54      | 11.2  | 4.5        | 6.7#  |
| 68      | 7.5   | 3.6        | 5.4#  |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#22

Acetophenone

Concen: 42.01 ng

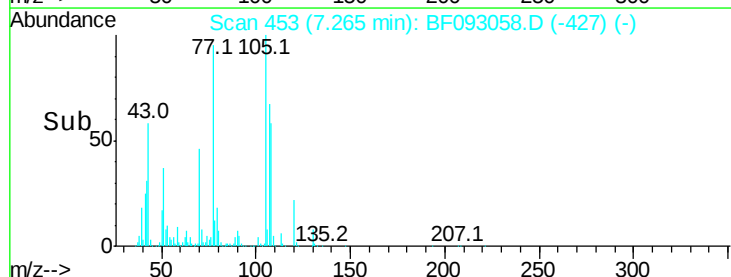
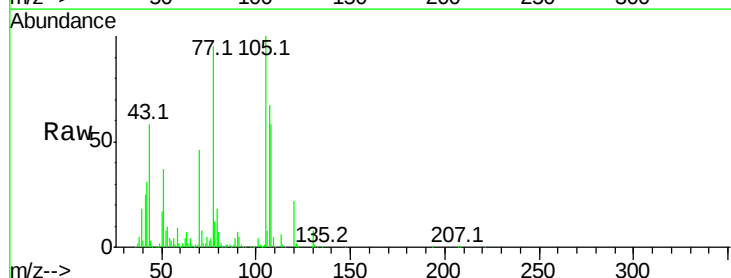
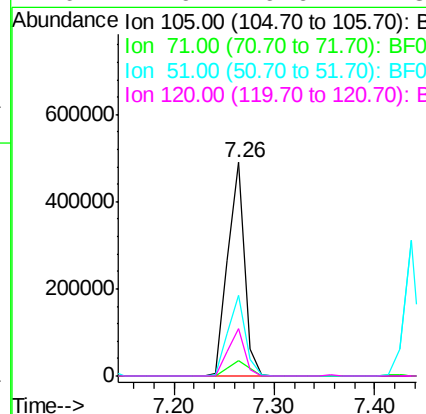
RT: 7.26 min Scan# 453

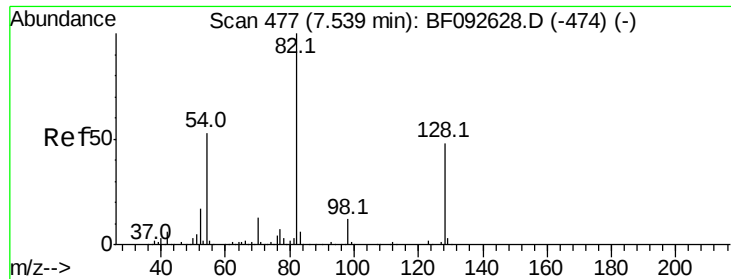
Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 71      | 7.5   | 3.2        | 4.8#  |
| 51      | 37.5  | 26.2       | 39.4  |
| 120     | 21.9  | 16.6       | 24.8  |





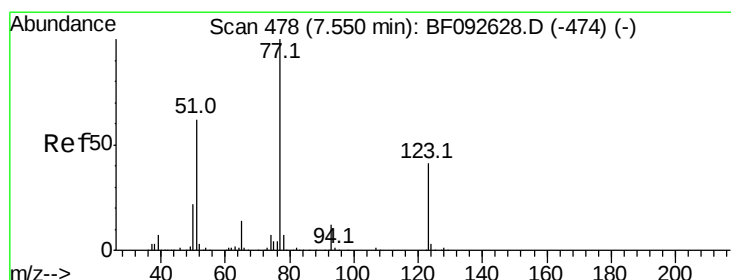
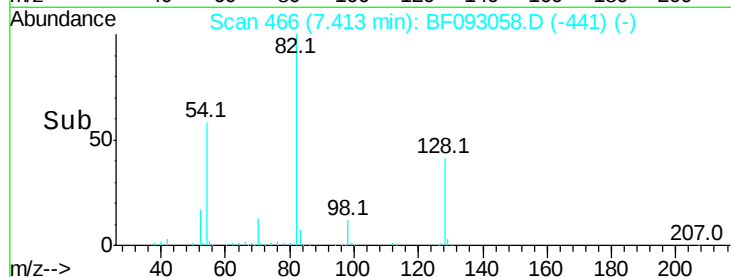
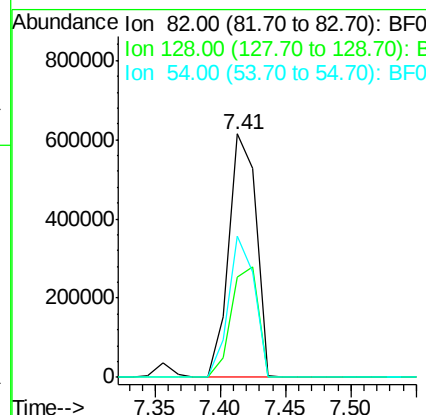
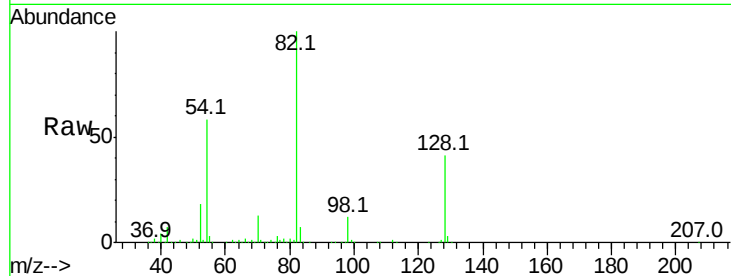
#23  
Nitrobenzene-d5  
Concen: 83.74 ng  
RT: 7.41 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 894079 |       |       |
| 128     | 41.0  |        | 34.6  | 52.0  |
| 54      | 58.2  |        | 39.5  | 59.3  |

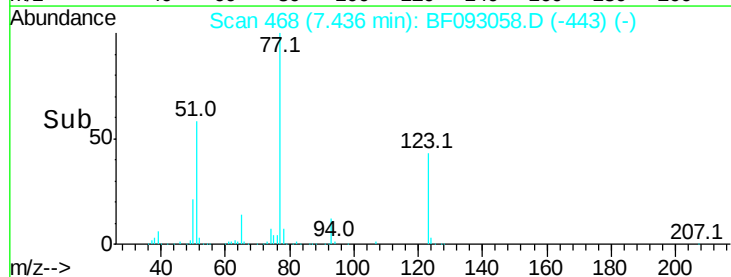
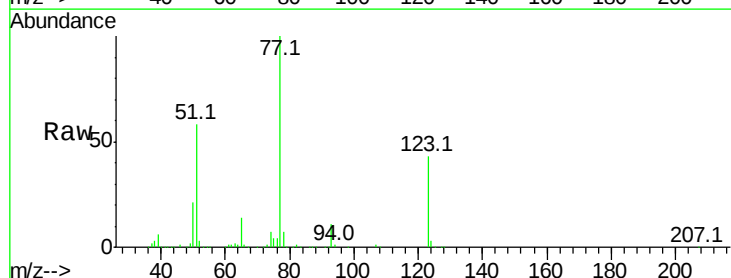
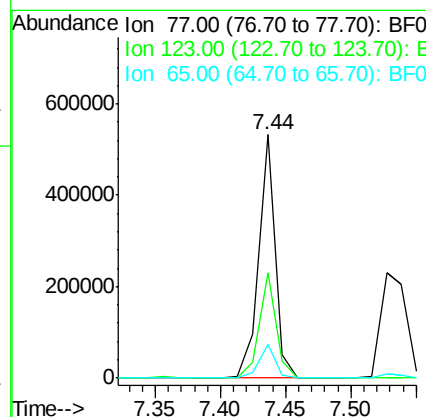
Manual Integrations  
APPROVED

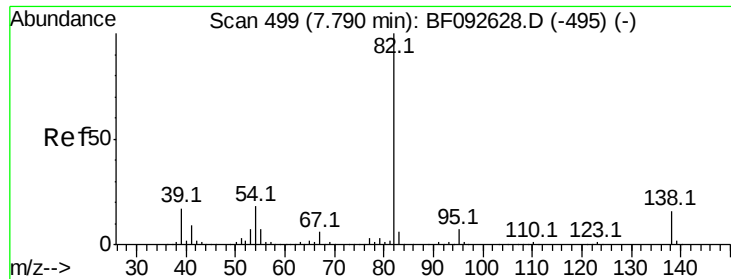
mohammad  
2/21/2017 3:58:02 PM



#24  
Nitrobenzene  
Concen: 42.86 ng  
RT: 7.44 min Scan# 468  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 469901 |       |       |
| 123     | 43.1  |        | 33.0  | 49.4  |
| 65      | 13.9  |        | 11.2  | 16.8  |





#25

Isophorone

Concen: 44.28 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

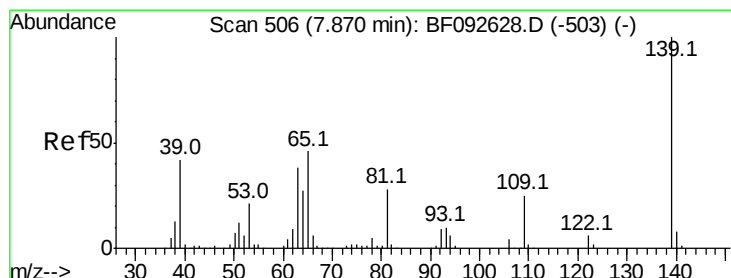
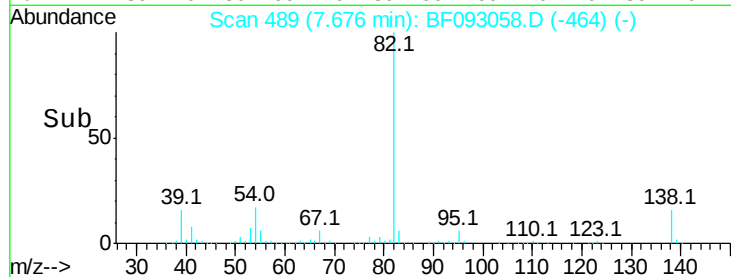
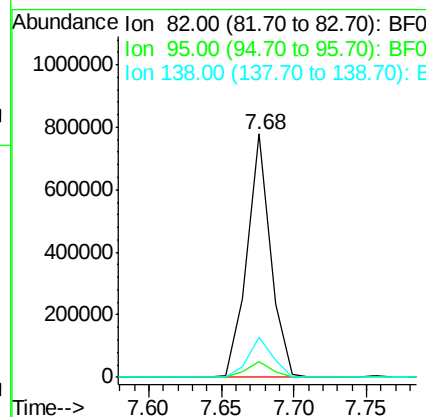
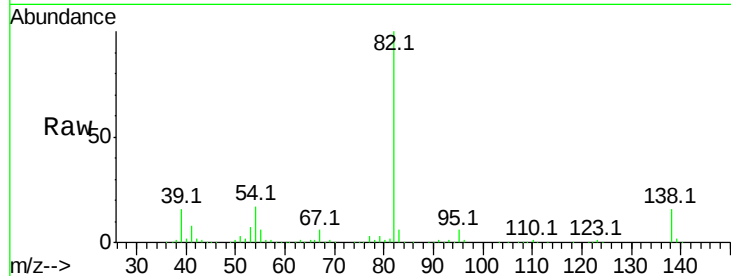
ClientSampleId :

PB97045BSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 82   | Resp: | 881106 |
| Ion Ratio |      | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 6.4  | 5.6   | 8.4    |
| 138       | 16.2 | 14.6  | 22.0   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#26

2-Nitrophenol

Concen: 50.24 ng

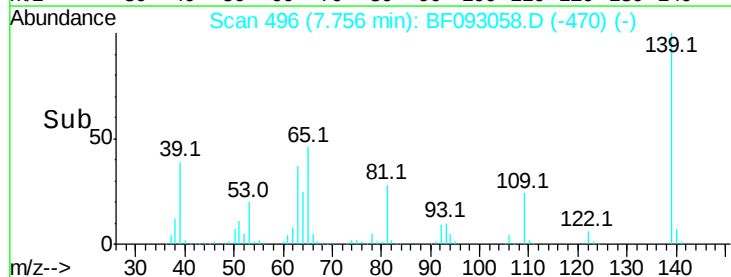
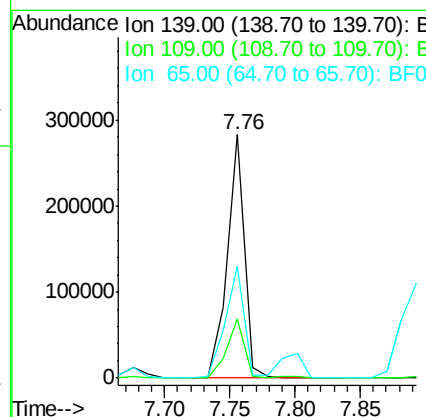
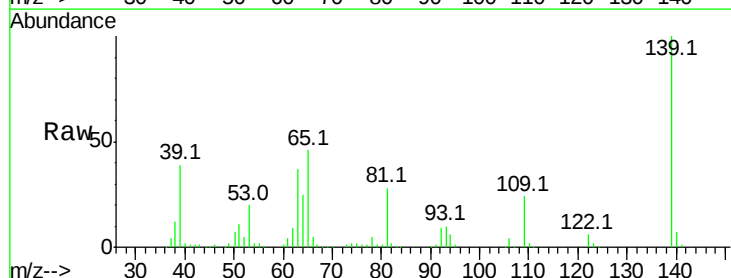
RT: 7.76 min Scan# 496

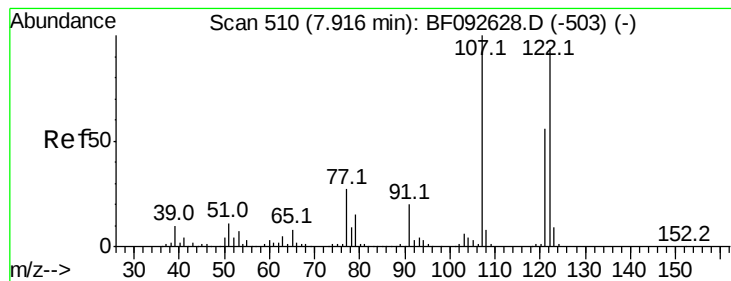
Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 139  | Resp: | 261849 |
| Ion Ratio |      | Lower | Upper  |
| 139       | 100  |       |        |
| 109       | 24.1 | 23.3  | 34.9   |
| 65        | 45.9 | 42.7  | 64.1   |





#27

2,4-Dimethylphenol

Concen: 45.84 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

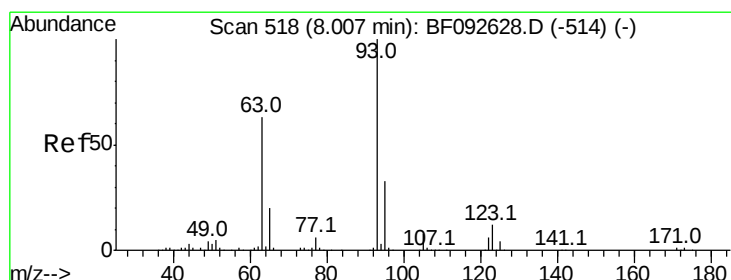
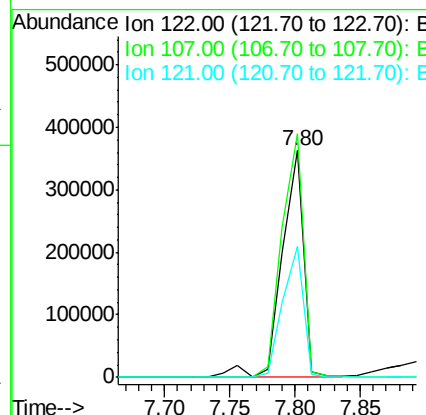
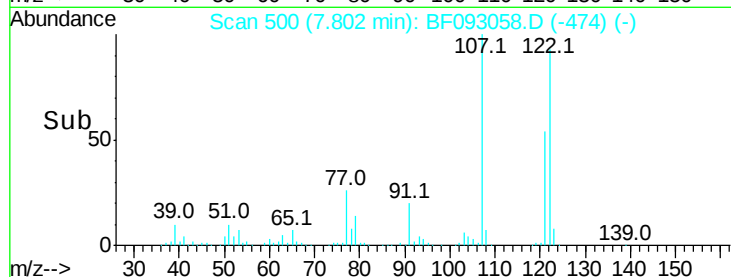
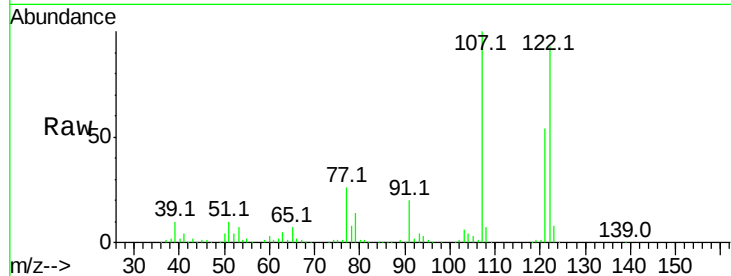
ClientSampleId :

PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 419584 |       |       |
| 107     | 107.4 | 94.1   | 141.1 |       |
| 121     | 57.5  | 46.0   | 69.0  |       |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#28

bis(2-Chloroethoxy)methane

Concen: 44.73 ng

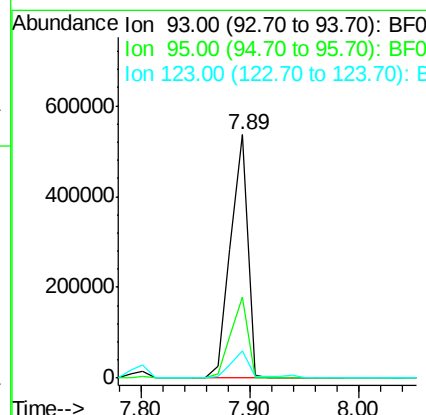
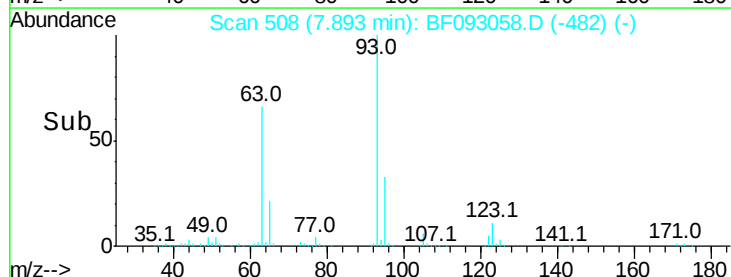
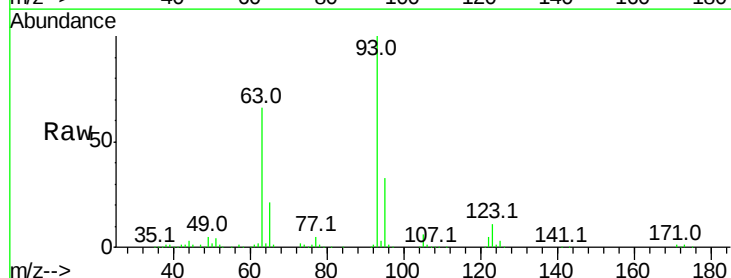
RT: 7.89 min Scan# 508

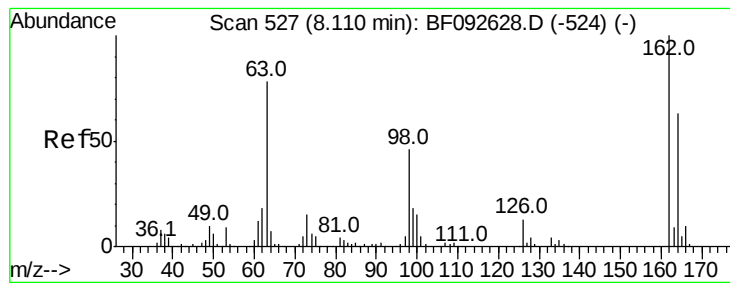
Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 589398 |       |       |
| 95      | 33.1  | 26.5   | 39.7  |       |
| 123     | 11.4  | 8.6    | 13.0  |       |





#29

2,4-Dichlorophenol

Concen: 42.62 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

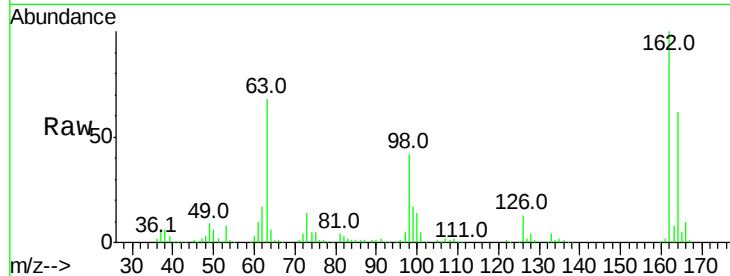
ClientSampleId :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 363781 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 61.6  | 46.8  | 86.8   |
| 98        | 42.3  | 9.1   | 49.1   |

Manual Integrations  
APPROVED

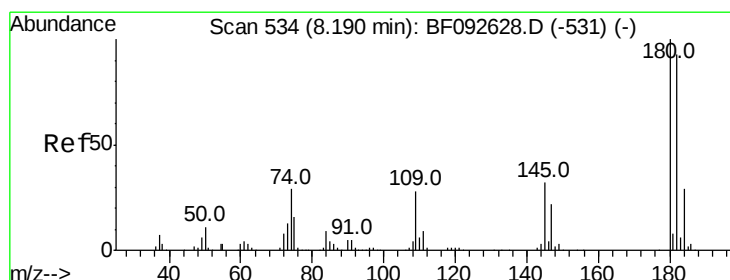
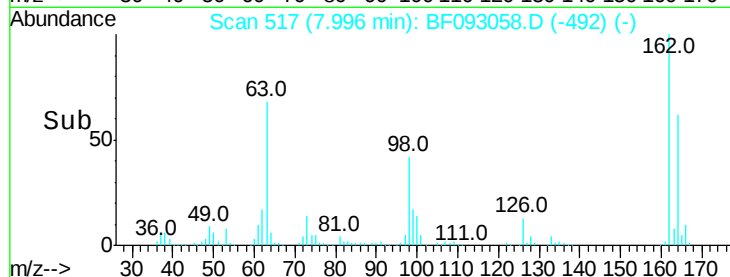
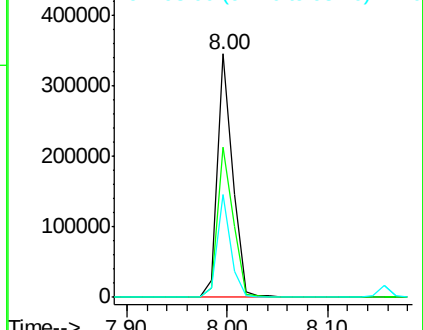
mohammad  
2/21/2017 3:58:02 PM



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 41.29 ng

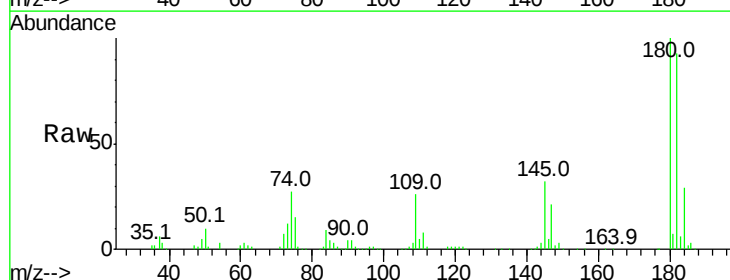
RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

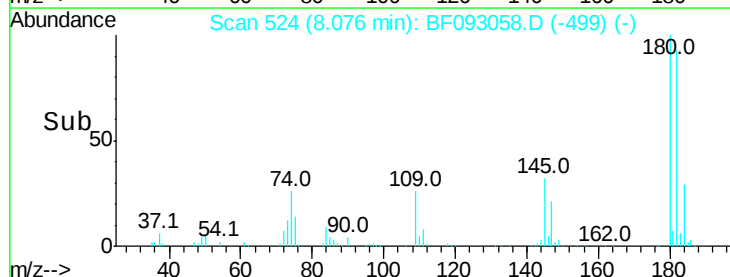
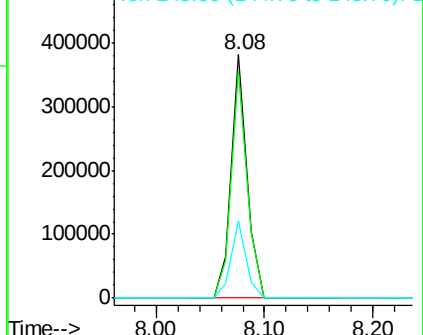
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 379860 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.0  | 78.2  | 117.4  |
| 145       | 31.8  | 21.6  | 32.4   |



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.87 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

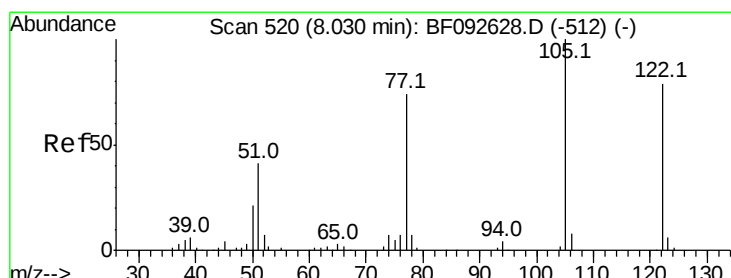
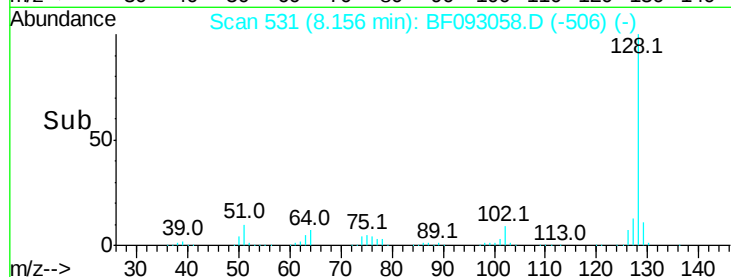
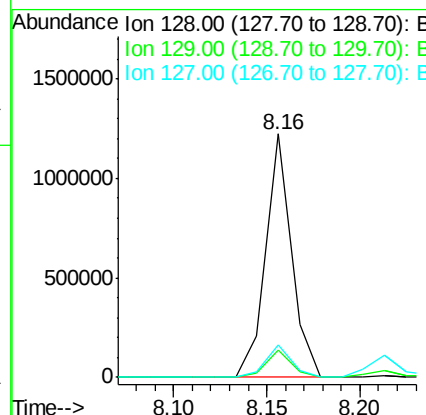
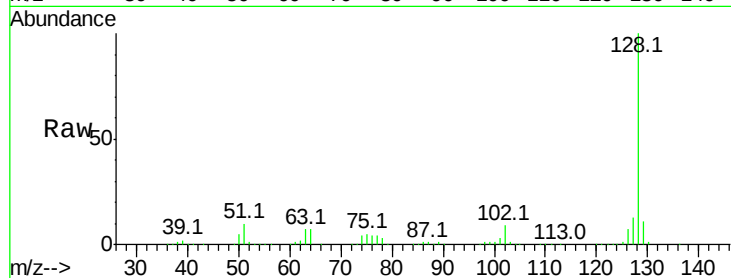
ClientSampleId :

PB97045BSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 128   | Resp: | 1171447 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 129      | 11.4  | 9.5   | 14.3    |
| 127      | 13.4  | 10.8  | 16.2    |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#32

Benzoic acid

Concen: 44.41 ng

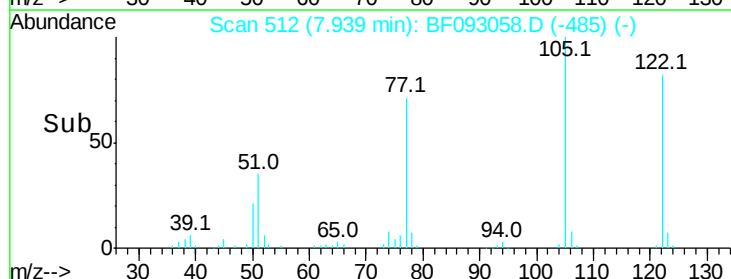
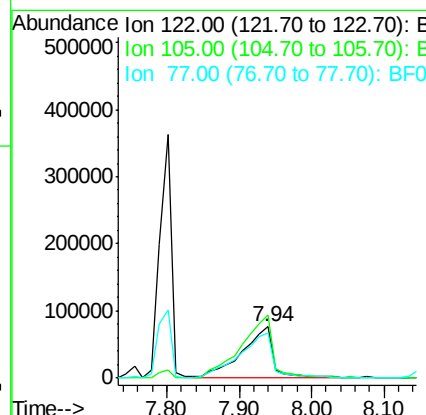
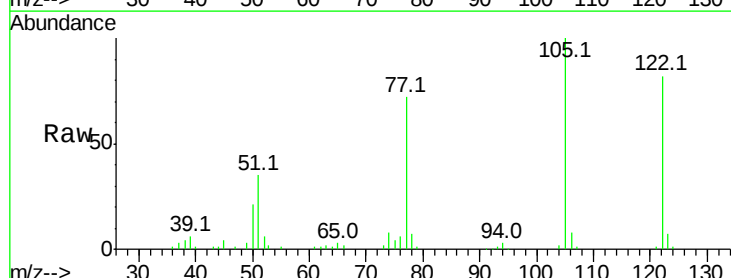
RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 227037 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 121.7 | 107.2 | 147.2  |
| 77       | 87.8  | 74.5  | 114.5  |





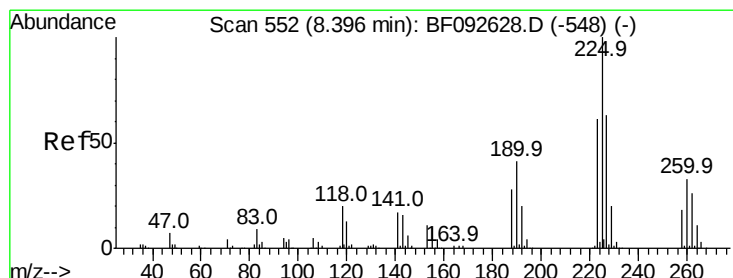
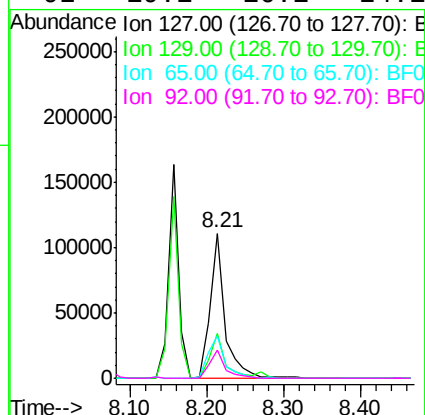
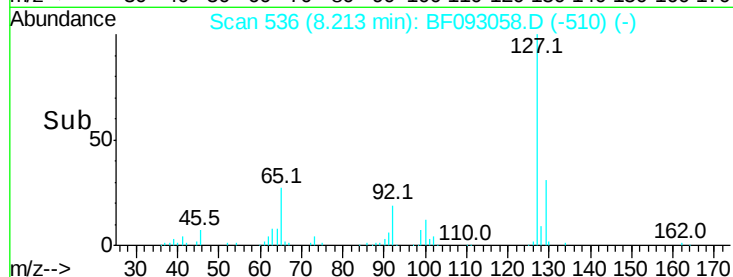
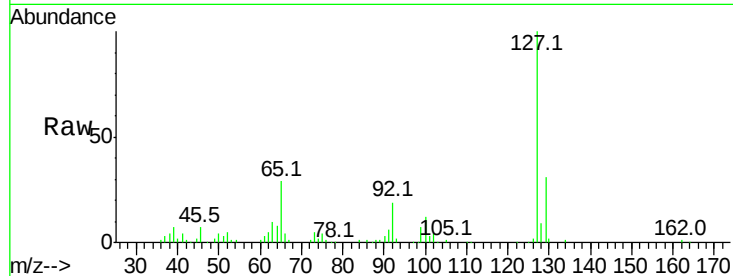
#33  
4-Chloroaniline  
Concen: 12.49 ng  
RT: 8.21 min Scan# 536  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 31.2  | 26.3 | 39.5  |       |
| 65      | 29.3  | 25.8 | 38.8  |       |
| 92      | 19.1  | 16.1 | 24.1  |       |

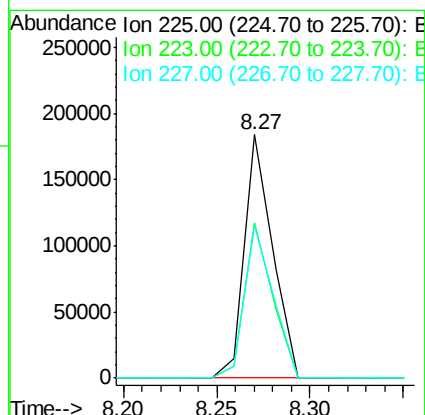
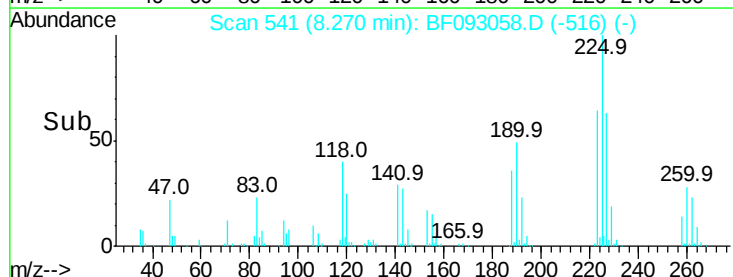
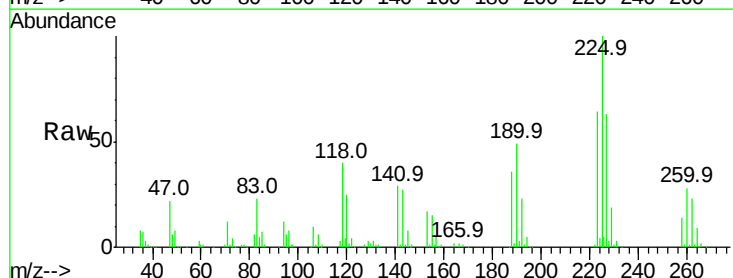
Manual Integrations  
APPROVED

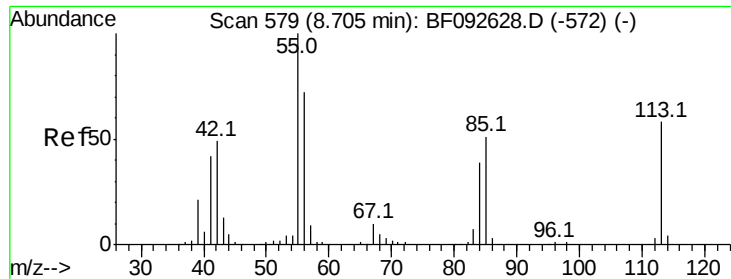
mohammad  
2/21/2017 3:58:02 PM



#34  
Hexachlorobutadiene  
Concen: 38.09 ng  
RT: 8.27 min Scan# 541  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.9  | 51.0 | 76.6  |       |
| 227     | 62.5  | 50.6 | 76.0  |       |





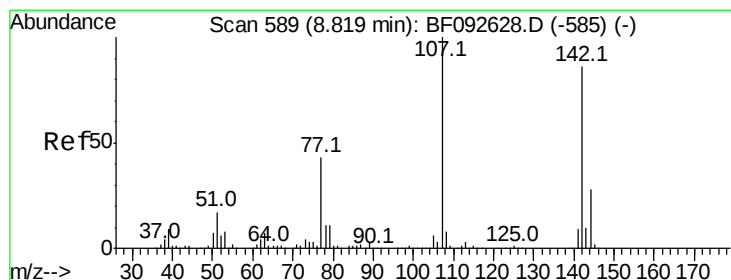
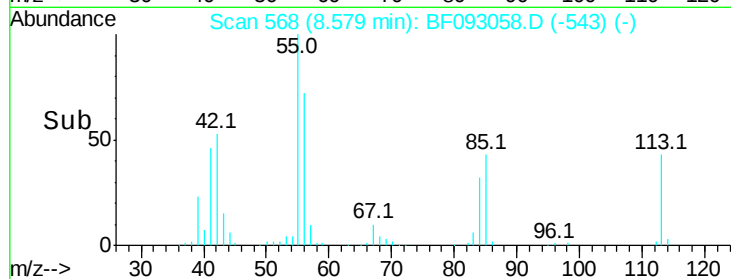
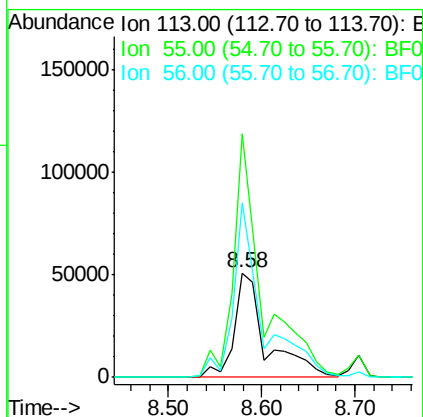
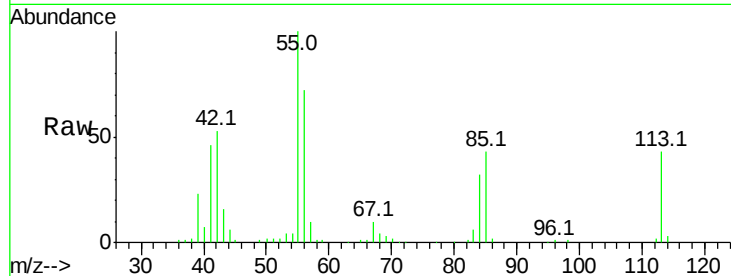
#35  
Caprolactam  
Concen: 45.62 ng  
RT: 8.58 min Scan# 568  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 113     | 100   |       |        |       |
| 55      | 232.7 | 119.2 | 159.2# |       |
| 56      | 167.1 | 83.8  | 123.8# |       |

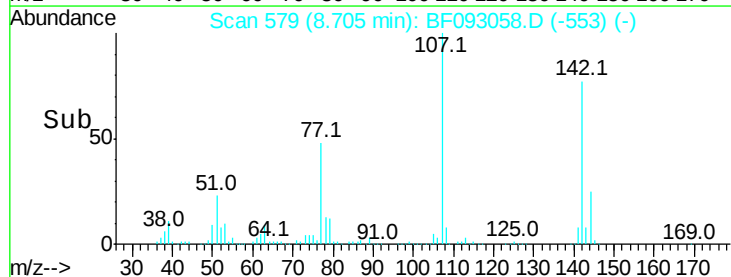
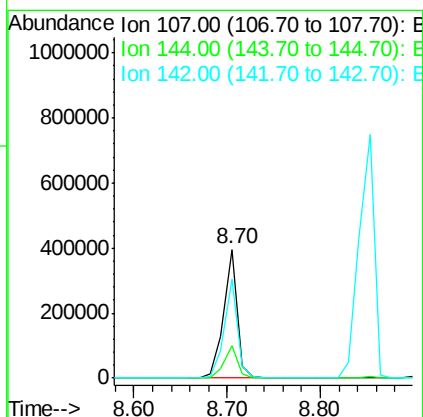
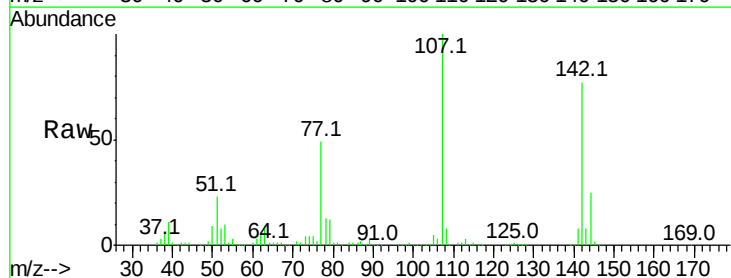
Manual Integrations  
APPROVED

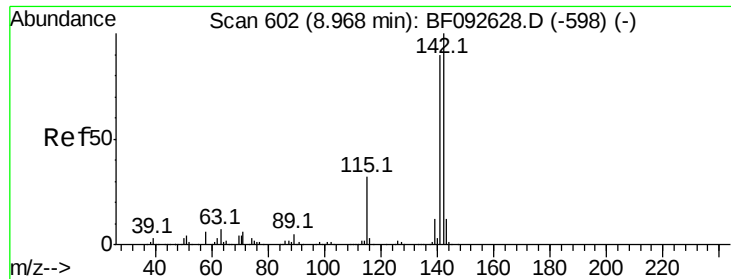
mohammad  
2/21/2017 3:58:02 PM



#36  
4-Chloro-3-methylphenol  
Concen: 44.63 ng  
RT: 8.70 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 144     | 24.9  | 19.3 | 28.9  |       |
| 142     | 76.6  | 59.0 | 88.6  |       |





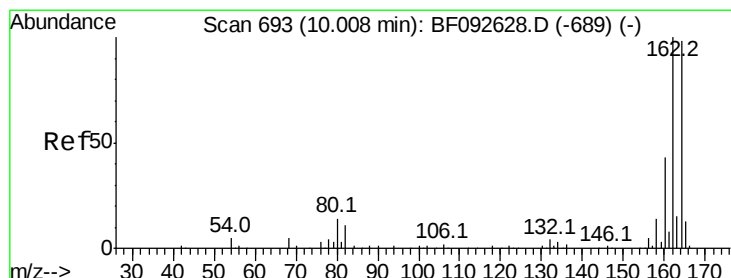
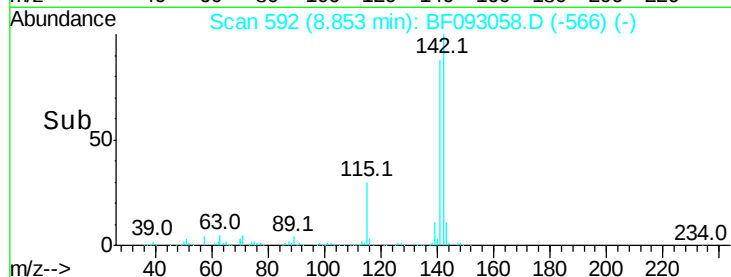
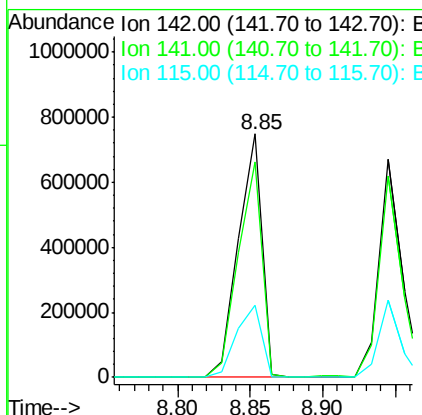
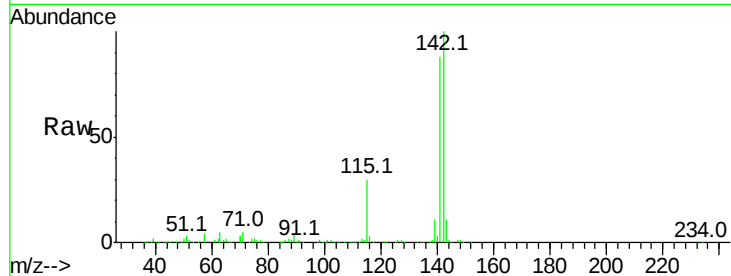
#37  
2-Methylnaphthalene  
Concen: 43.82 ng  
RT: 8.85 min Scan# 592  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.4  | 71.0  | 106.6 |
| 115     | 29.5  | 28.3  | 42.5  |

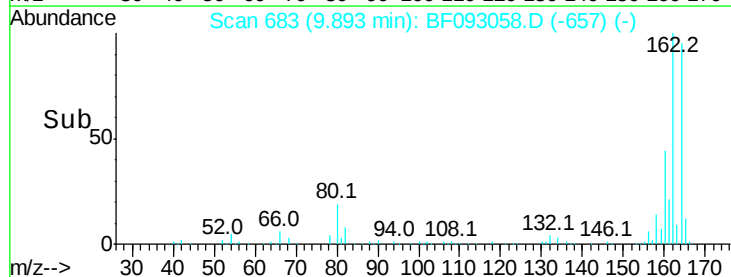
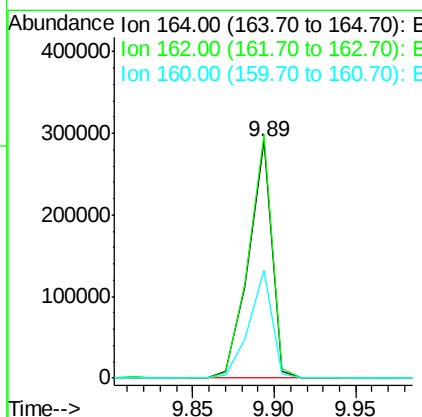
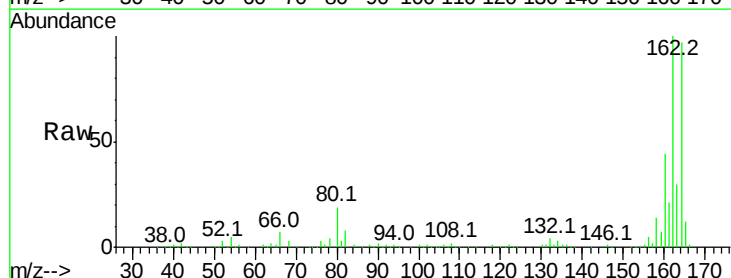
Manual Integrations  
APPROVED

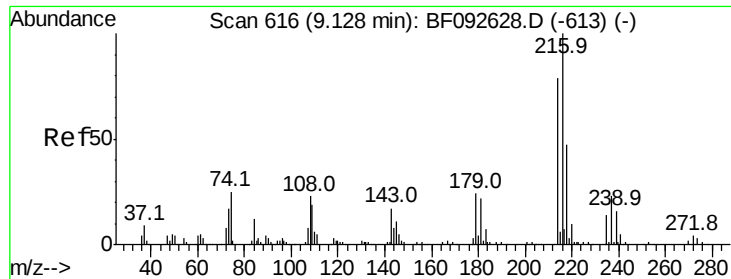
mohammad  
2/21/2017 3:58:02 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 683  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 80.2  | 120.2 |
| 160     | 45.5  | 36.9  | 55.3  |





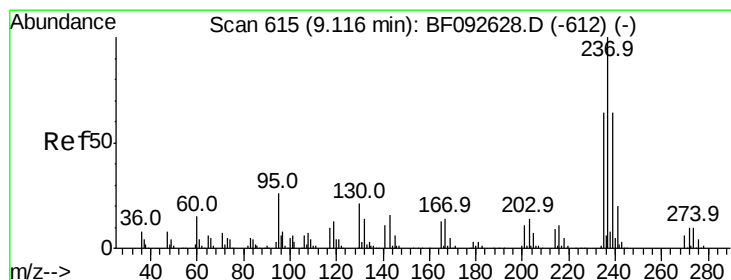
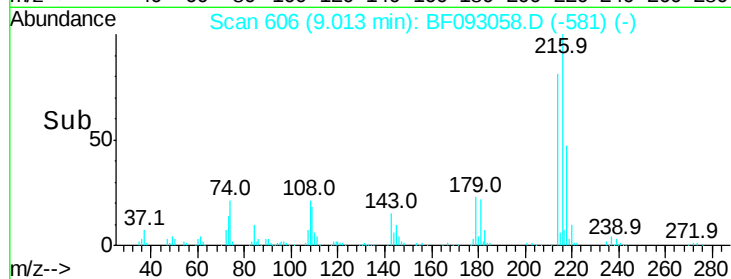
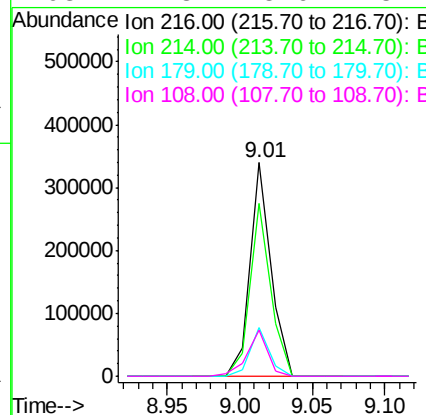
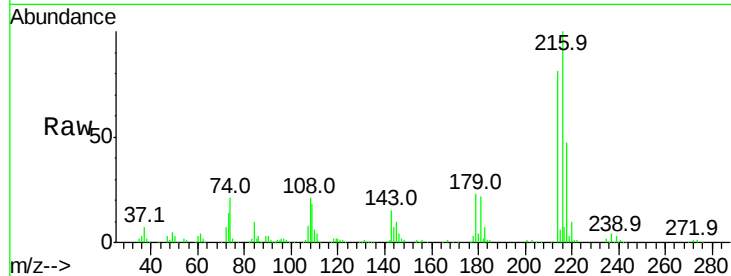
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.42 ng  
 RT: 9.01 min Scan# 606  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 341169 |       |       |
| 214     | 79.8  | 63.4   | 95.0  |       |
| 179     | 21.4  | 17.4   | 26.2  |       |
| 108     | 21.3  | 15.6   | 23.4  |       |

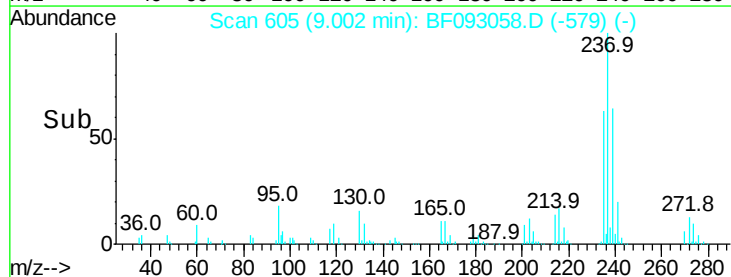
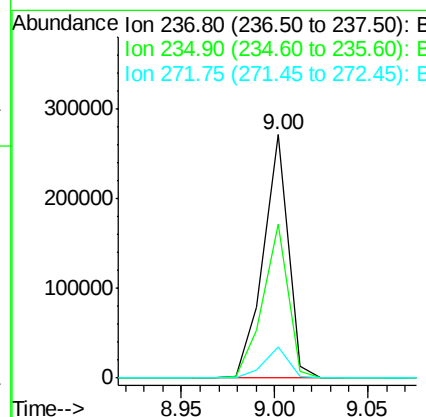
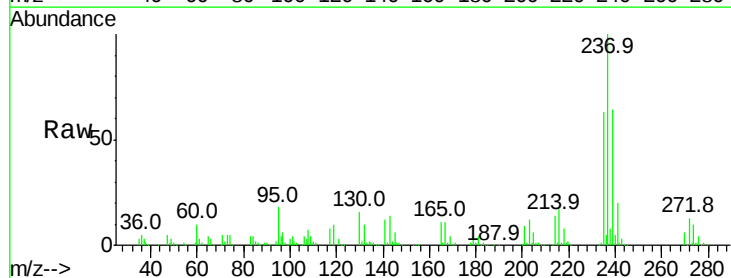
Manual Integrations  
 APPROVED

mohammad  
 2/21/2017 3:58:02 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 69.27 ng  
 RT: 9.00 min Scan# 605  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 251349 |       |       |
| 235     | 63.3  | 41.2   | 81.2  |       |
| 272     | 12.7  | 0.0    | 35.4  |       |





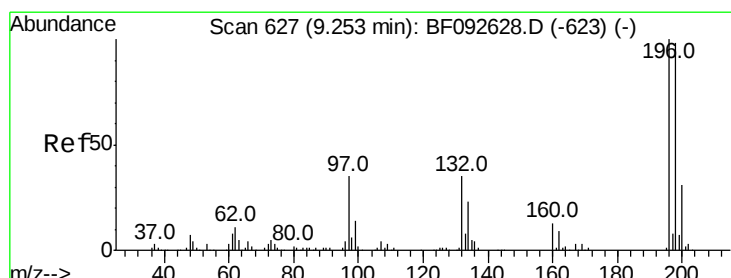
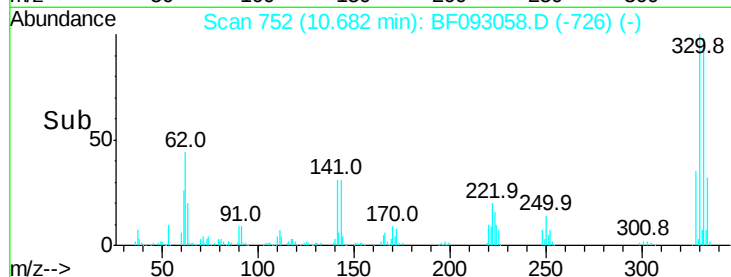
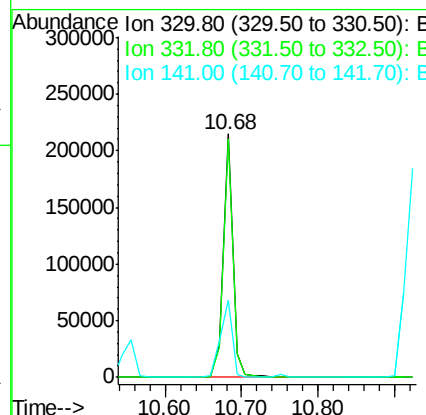
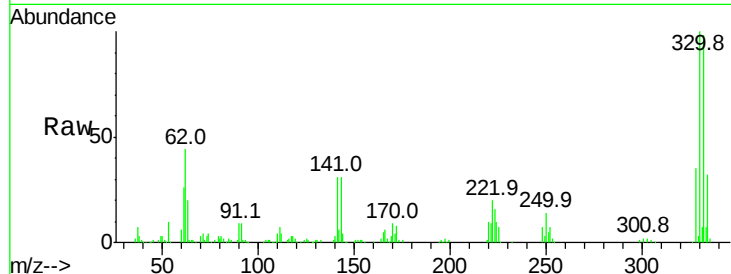
#41  
 2,4,6-Tribromophenol  
 Concen: 90.49 ng  
 RT: 10.68 min Scan# 752  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 187527 |       |       |
| 332     | 96.7  | 77.4   | 116.2 |       |
| 141     | 38.5  | 34.1   | 51.1  |       |

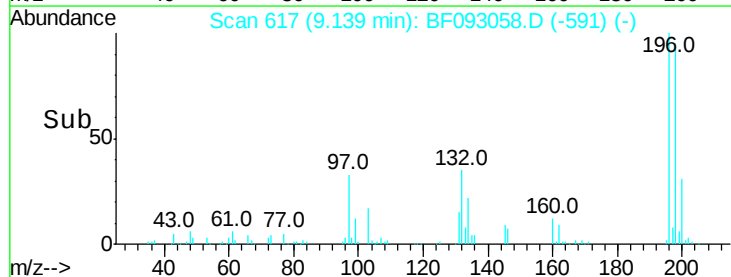
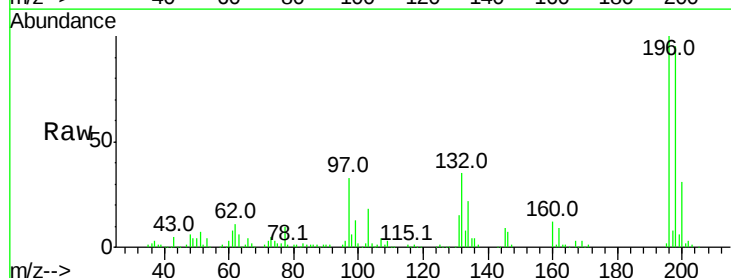
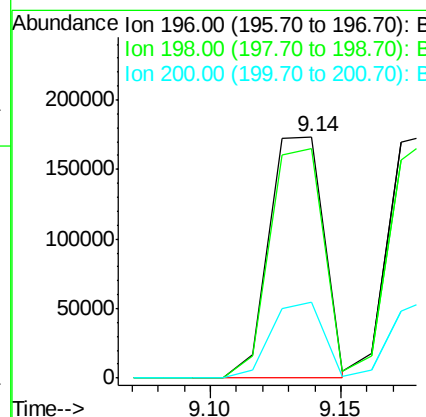
Manual Integrations  
 APPROVED

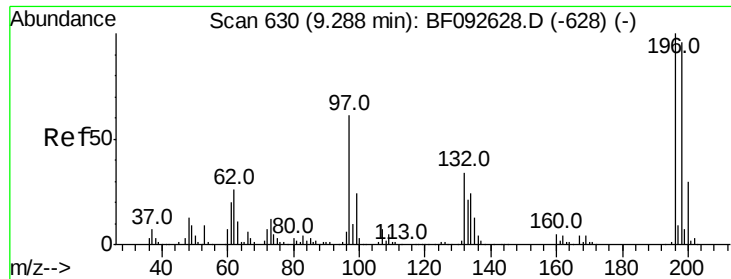
mohammad  
 2/21/2017 3:58:02 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 47.76 ng  
 RT: 9.14 min Scan# 617  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 252387 |       |       |
| 198     | 95.3  | 82.1   | 123.1 |       |
| 200     | 31.3  | 27.0   | 40.4  |       |





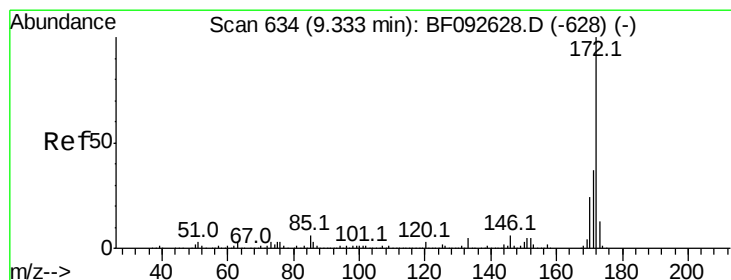
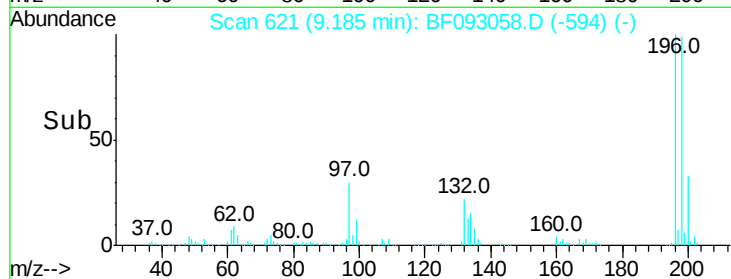
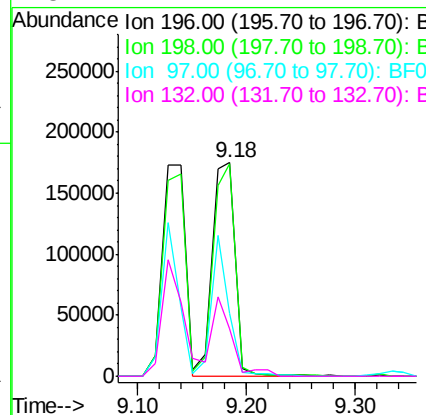
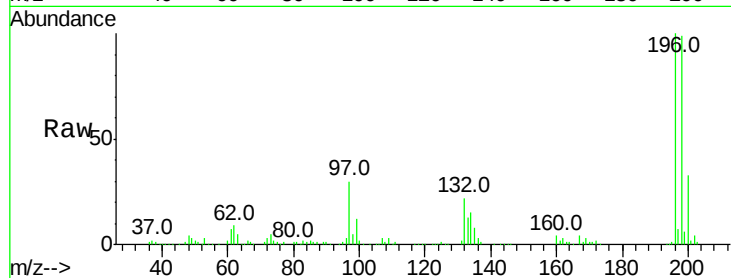
#43  
2,4,5-Trichlorophenol  
Concen: 44.31 ng  
RT: 9.18 min Scan# 621  
Delta R.T. 0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 256562 |       |       |
| 198     | 99.3  | 79.4   | 119.2 |       |
| 97      | 29.6  | 51.5   | 77.3  |       |
| 132     | 22.1  | 27.4   | 41.2  |       |

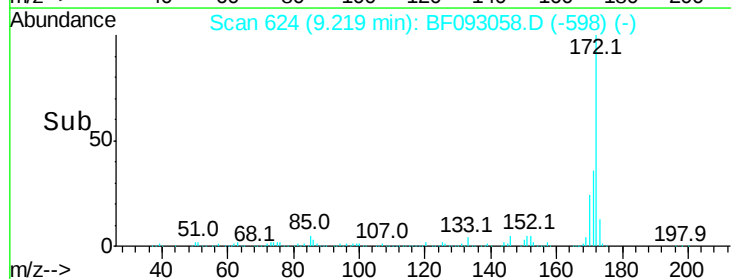
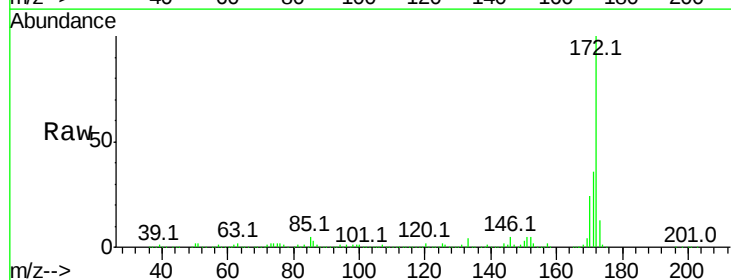
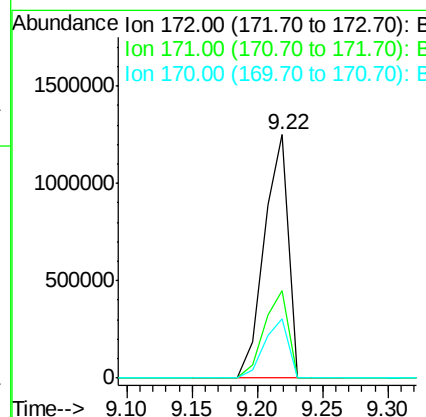
Manual Integrations  
APPROVED

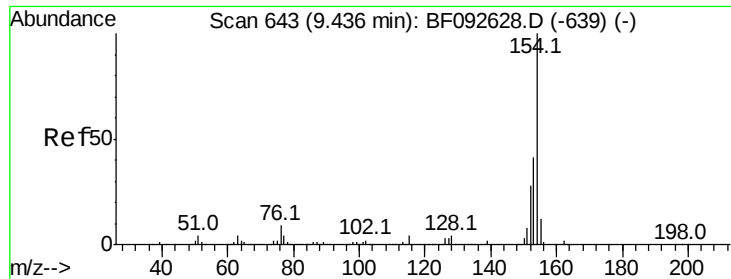
mohammad  
2/21/2017 3:58:02 PM



#44  
2-Fluorobiphenyl  
Concen: 101.60 ng  
RT: 9.22 min Scan# 624  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1606793 |       |       |
| 171     | 35.9  | 29.4    | 44.0  |       |
| 170     | 24.3  | 20.2    | 30.4  |       |





#45

1,1'-Biphenyl

Concen: 44.31 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

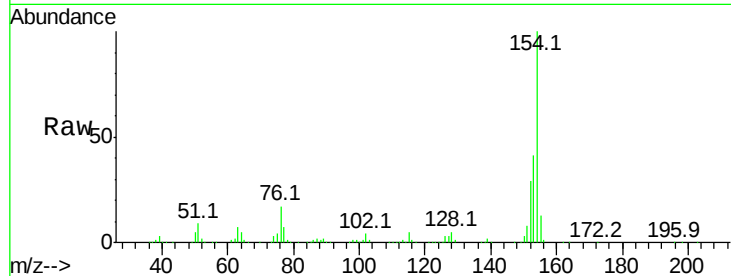
ClientSampled :

PB97045BSD

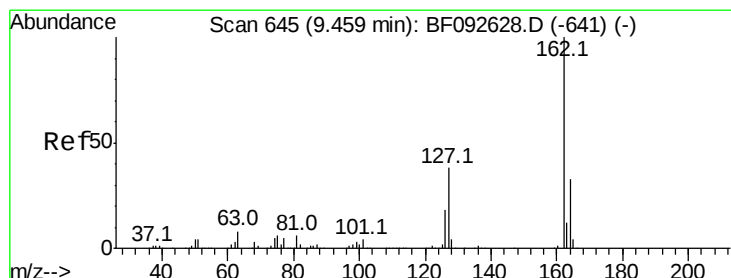
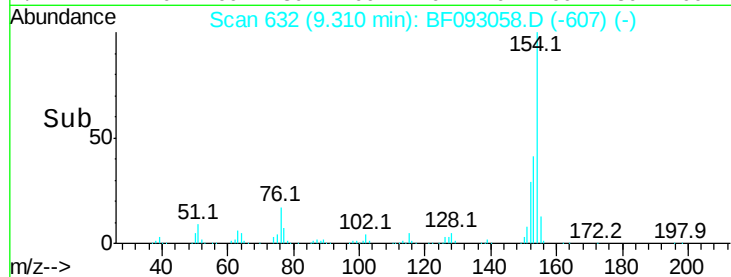
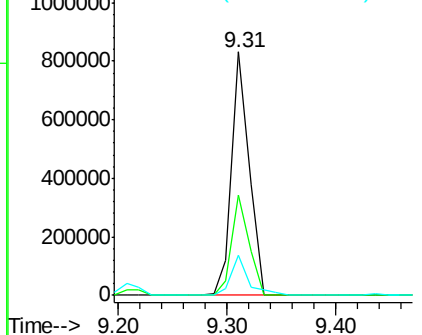
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 919272 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 41.3  | 20.9  | 60.9   |
| 76        | 16.7  | 0.0   | 30.5   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 47.60 ng

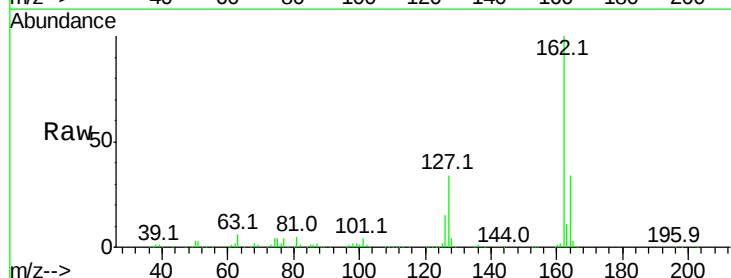
RT: 9.34 min Scan# 635

Delta R.T. -0.00 min

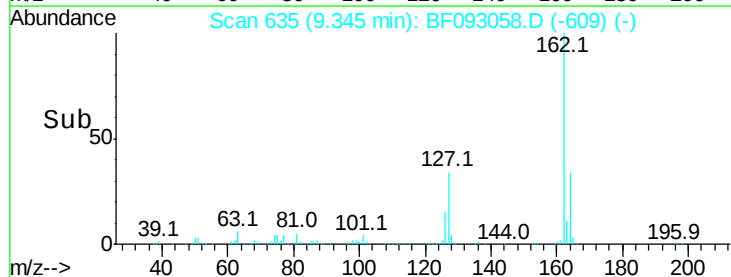
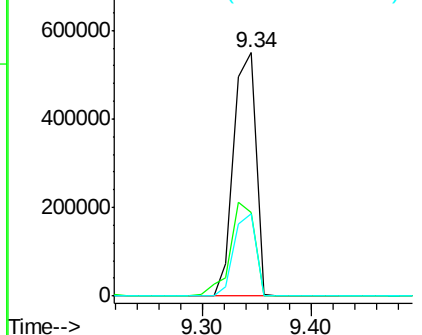
Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 772590 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 34.2  | 30.7  | 46.1   |
| 164       | 34.0  | 27.6  | 41.4   |



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E





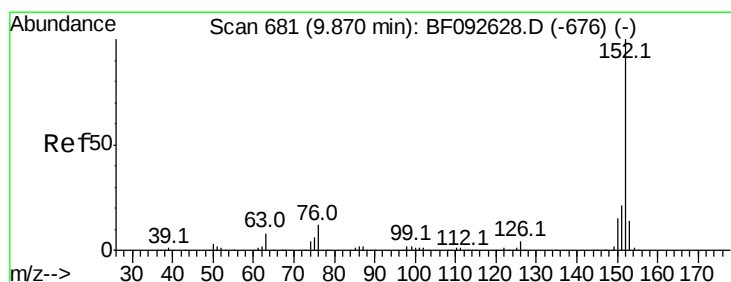
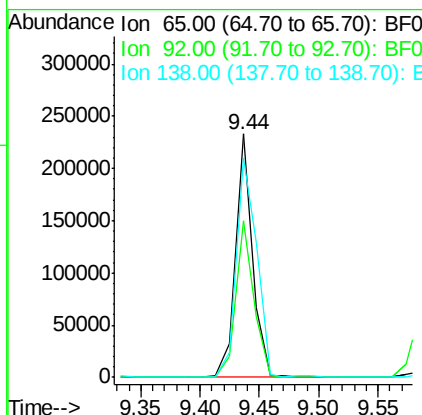
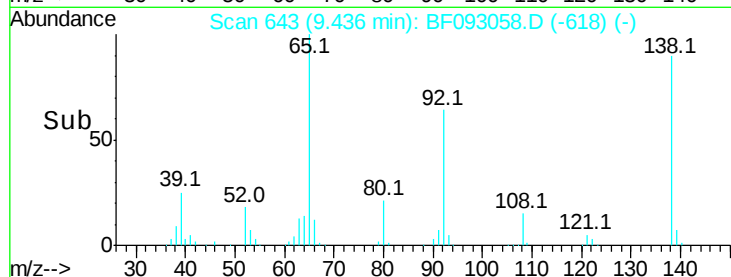
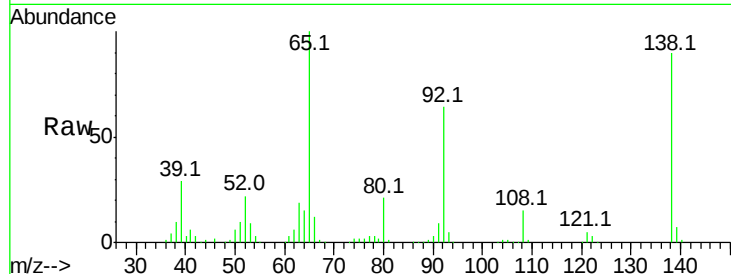
#47  
2-Nitroaniline  
Concen: 42.51 ng  
RT: 9.44 min Scan# 643  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.1  | 53.9  | 80.9  |
| 138     | 89.9  | 76.8  | 115.2 |

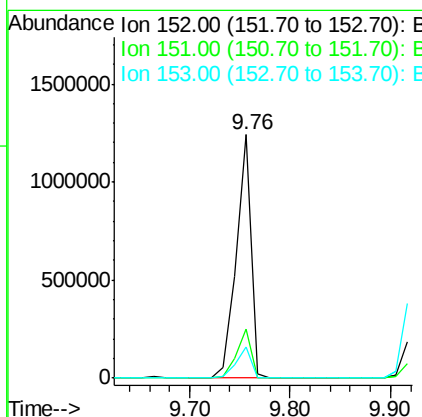
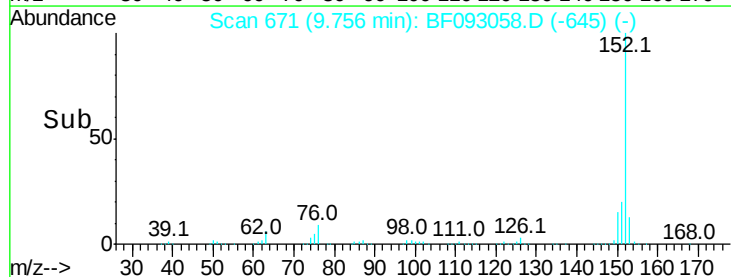
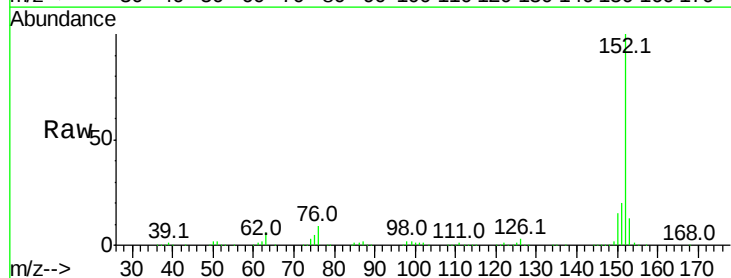
Manual Integrations  
APPROVED

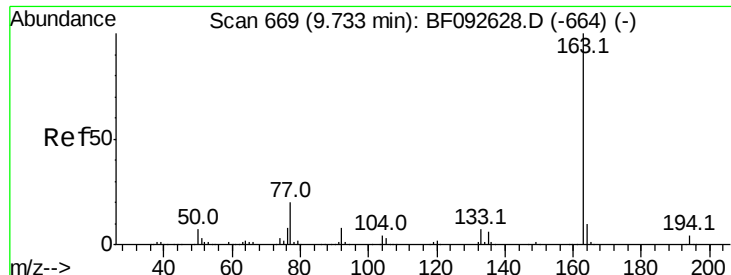
mohammad  
2/21/2017 3:58:02 PM



#48  
Acenaphthylene  
Concen: 45.00 ng  
RT: 9.76 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 16.9  | 25.3  |
| 153     | 13.0  | 11.4  | 17.2  |





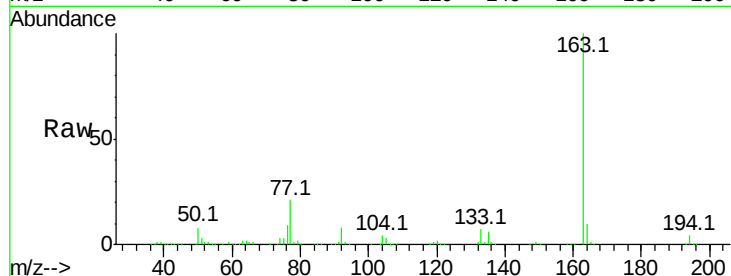
#49  
Dimethylphthalate  
Concen: 47.72 ng  
RT: 9.62 min Scan# 659  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 921013 |       |       |
| 194     | 3.6   |        | 3.0   | 4.4   |
| 164     | 10.3  |        | 8.0   | 12.0  |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM

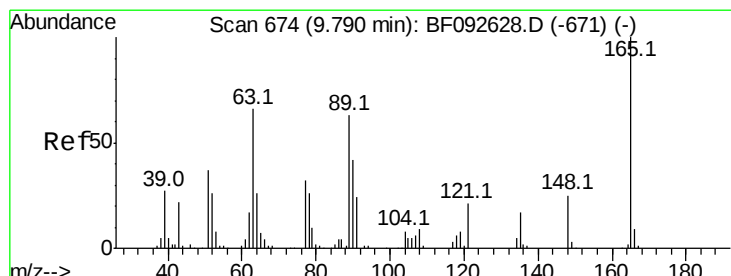
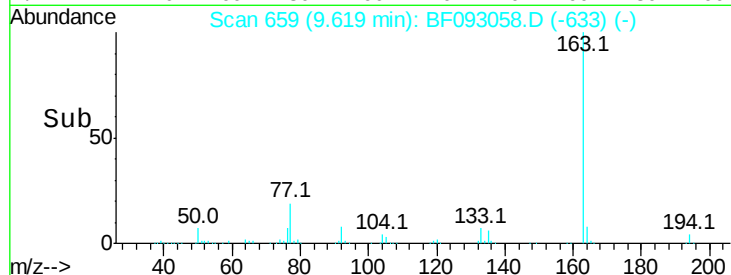
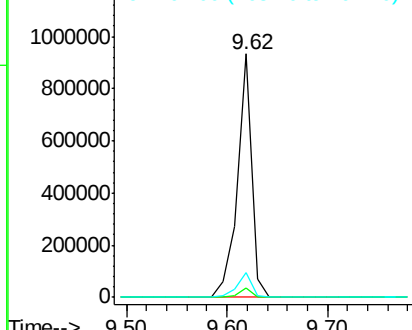


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50  
2,6-Dinitrotoluene  
Concen: 49.43 ng  
RT: 9.69 min Scan# 665  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

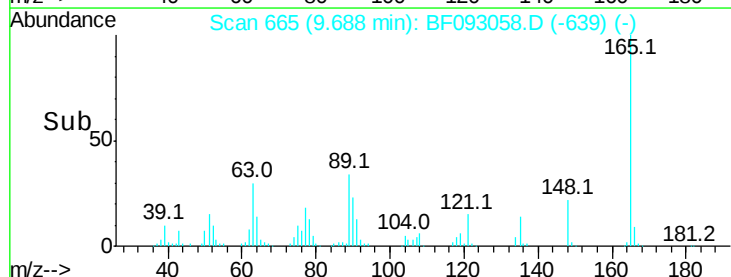
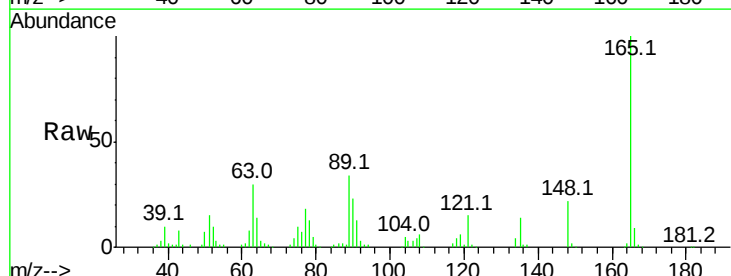
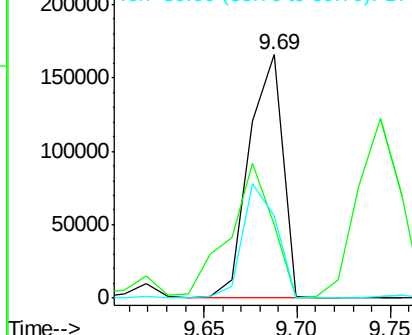
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 206021 |       |       |
| 63      | 30.4  |        | 36.2  | 54.4# |
| 89      | 33.8  |        | 40.2  | 60.4# |

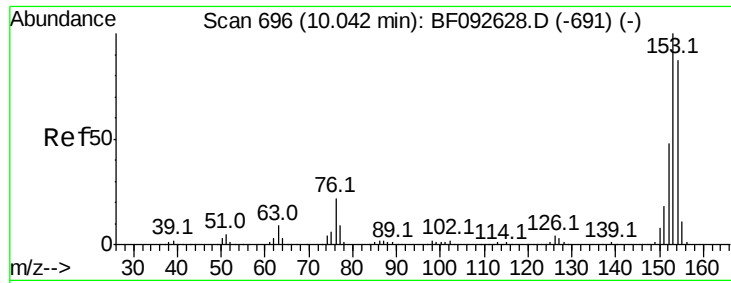
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





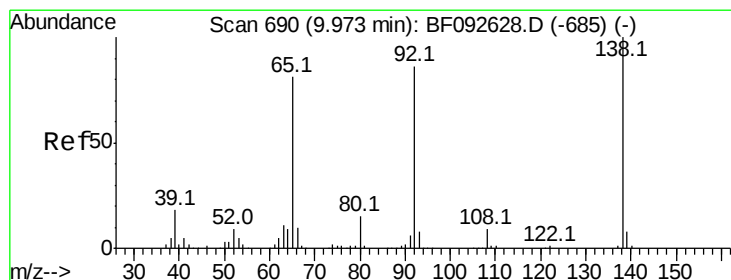
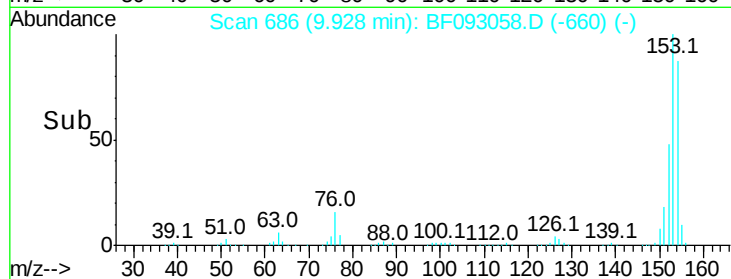
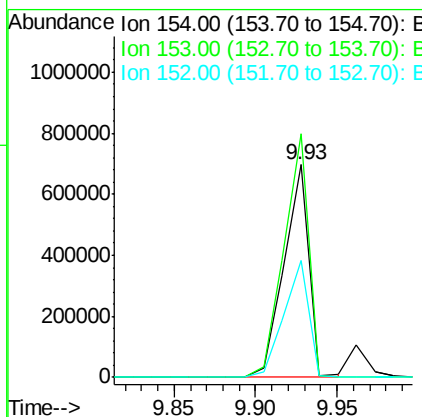
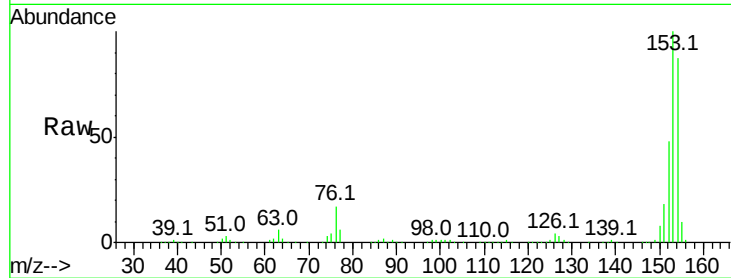
#51  
Acenaphthene  
Concen: 44.11 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampled :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.6 | 88.6  | 133.0 |
| 152     | 54.9  | 41.6  | 62.4  |

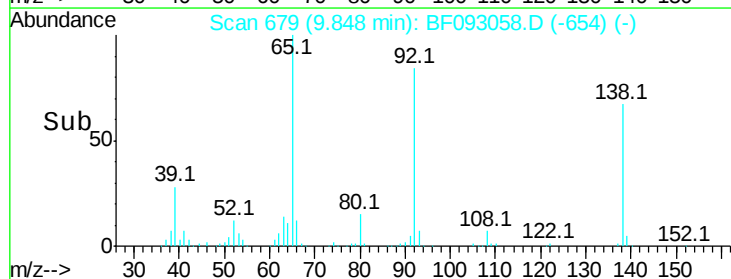
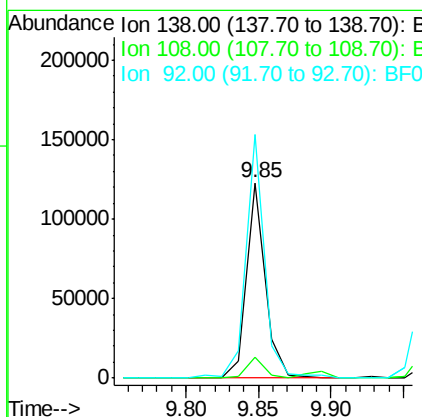
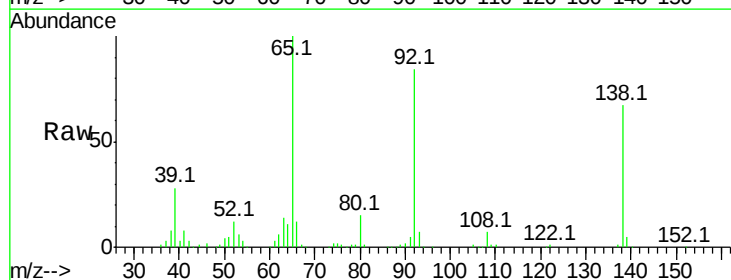
Manual Integrations  
APPROVED

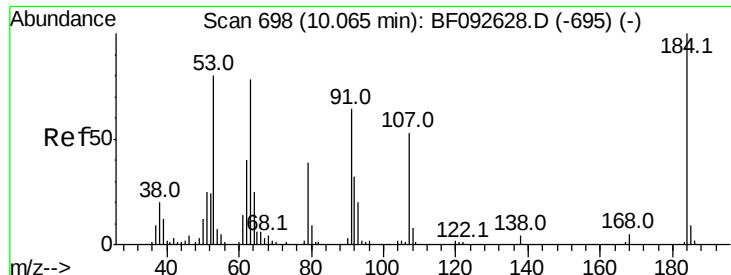
mohammad  
2/21/2017 3:58:02 PM



#52  
3-Nitroaniline  
Concen: 23.26 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.8  | 8.5   | 12.7  |
| 92      | 124.9 | 97.8  | 146.8 |





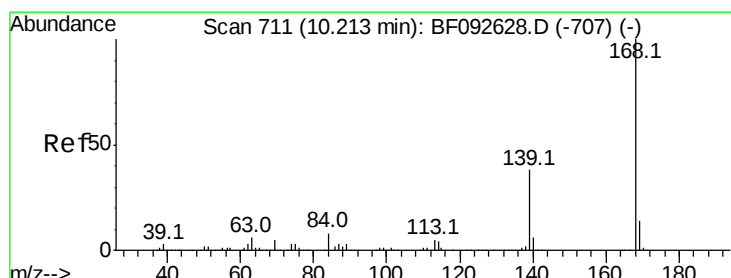
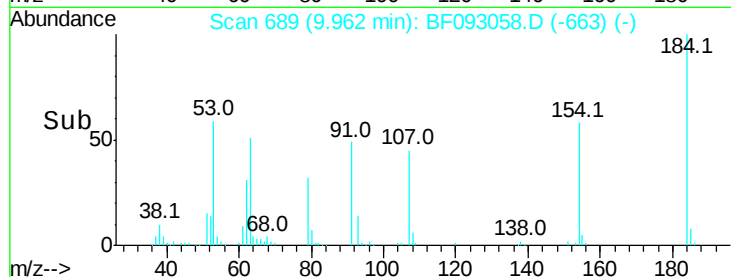
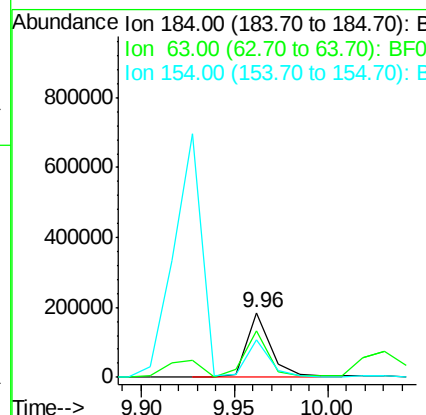
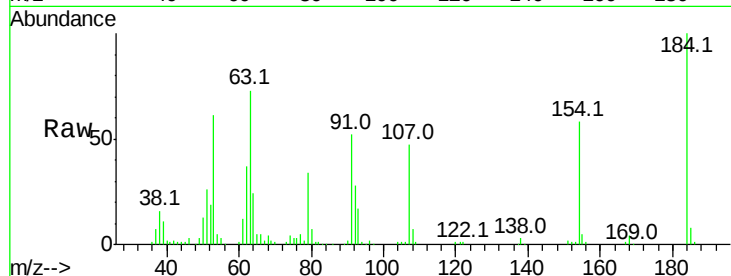
#53  
 2,4-Dinitrophenol  
 Concen: 80.22 ng  
 RT: 9.96 min Scan# 689  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 170112 |       |       |
| 63      | 72.8  | 28.4   | 42.6  | #     |
| 154     | 58.2  | 44.3   | 66.5  |       |

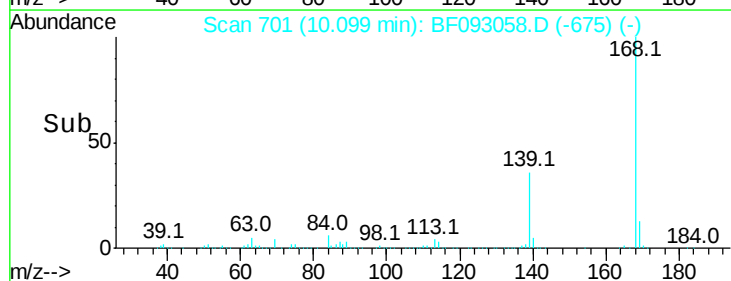
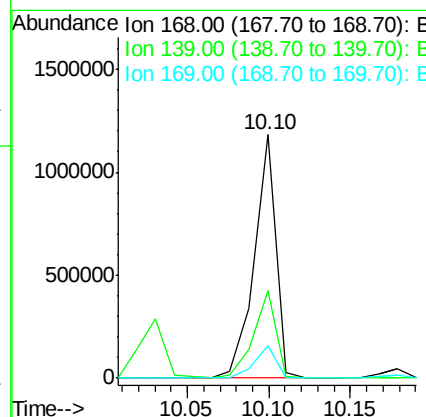
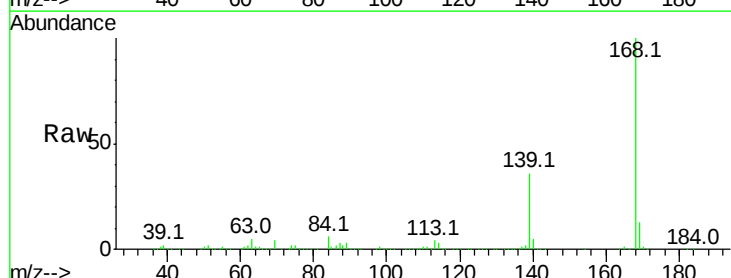
Manual Integrations  
 APPROVED

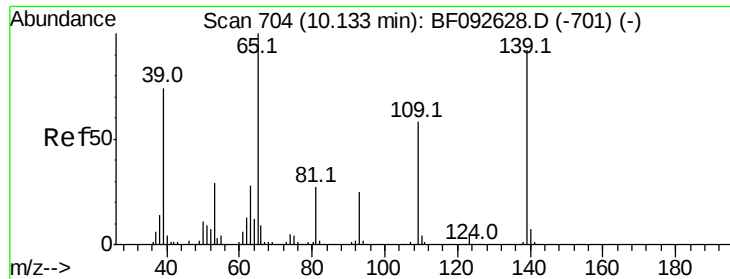
mohammad  
 2/21/2017 3:58:02 PM



#54  
 Dibenzofuran  
 Concen: 48.40 ng  
 RT: 10.10 min Scan# 701  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1085190 |       |       |
| 139     | 35.9  | 32.6    | 49.0  |       |
| 169     | 13.5  | 11.3    | 16.9  |       |





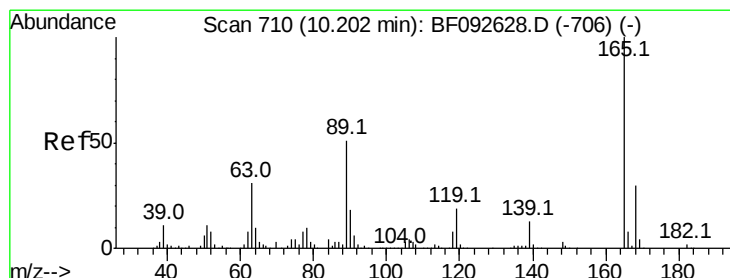
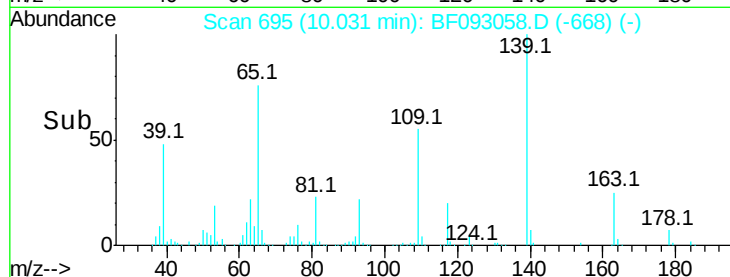
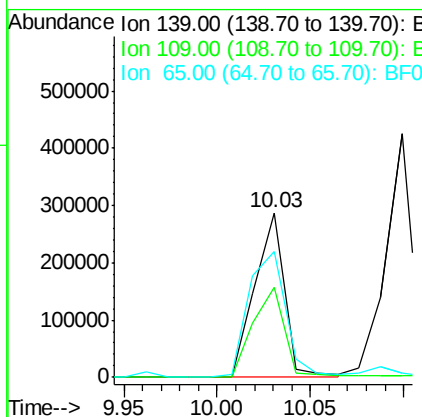
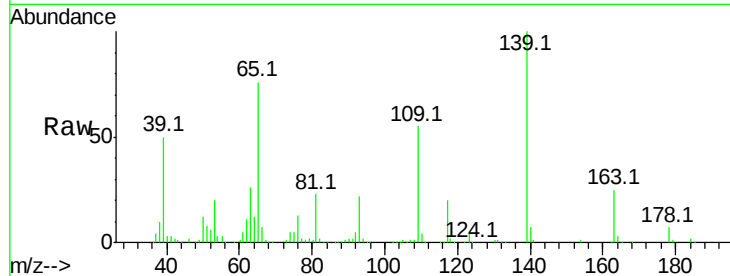
#55  
4-Nitrophenol  
Concen: 92.33 ng  
RT: 10.03 min Scan# 695  
Delta R.T. 0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

Tot Ion:139 Resp: 317196  
Ion Ratio Lower Upper  
139 100  
109 55.0 52.2 92.2  
65 76.3 85.8 125.8#

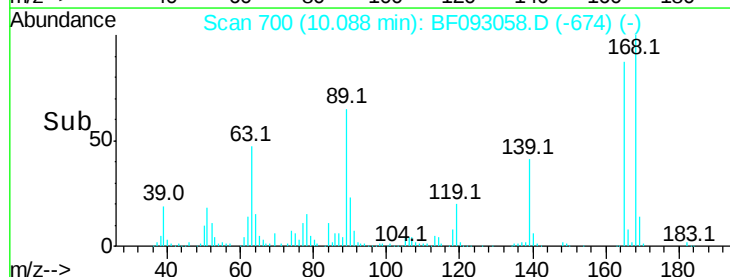
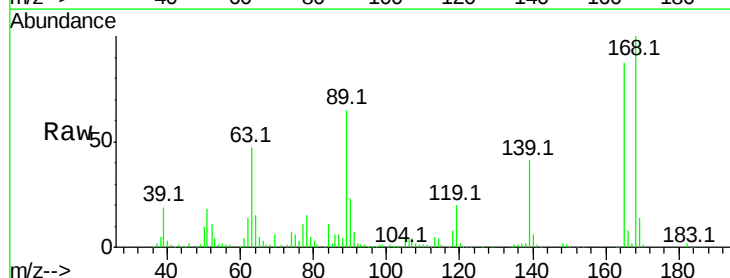
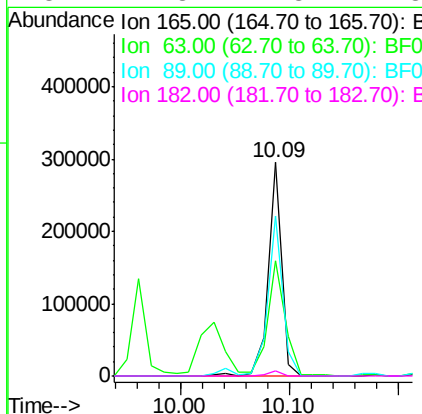
Manual Integrations  
APPROVED

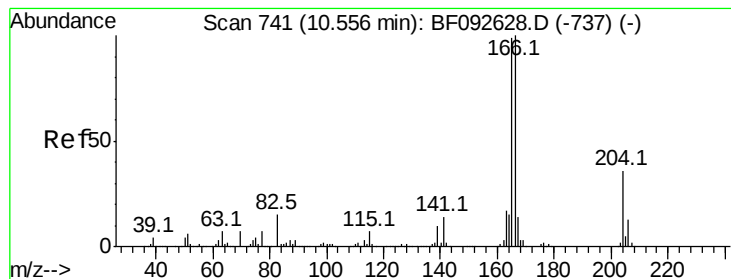
mohammad  
2/21/2017 3:58:02 PM



#56  
2,4-Dinitrotoluene  
Concen: 46.10 ng  
RT: 10.09 min Scan# 700  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Tgt Ion:165 Resp: 255816  
Ion Ratio Lower Upper  
165 100  
63 54.2 40.2 60.4  
89 75.2 62.5 93.7  
182 2.3 1.8 2.8





#57

Fluorene

Concen: 48.16 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

ClientSampleId :

PB97045BSD

Tot Ion:166 Resp: 830804

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.8

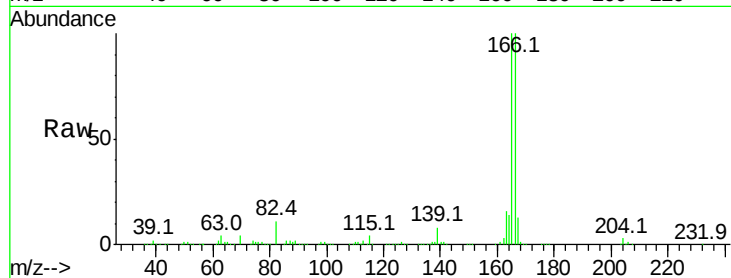
167 12.9 10.8 16.2

Manual Integrations

APPROVED

mohammad

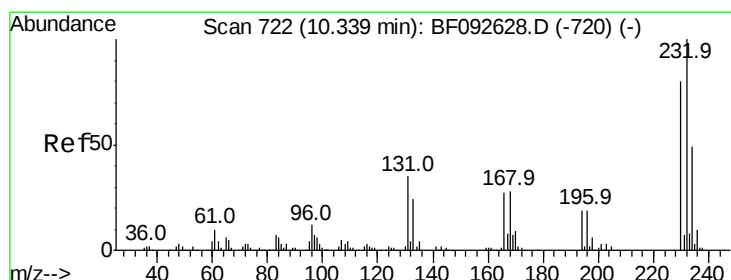
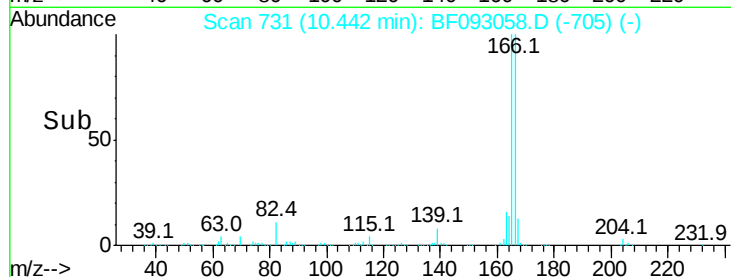
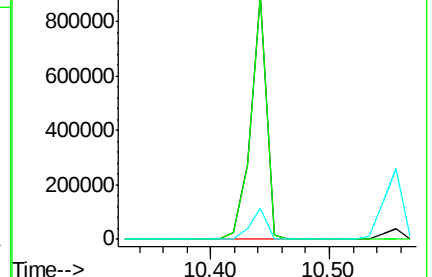
2/21/2017 3:58:02 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.34 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Tgt Ion:232 Resp: 182857

Ion Ratio Lower Upper

232 100

131 49.6 40.1 60.1

130 2.4 1.8 2.8

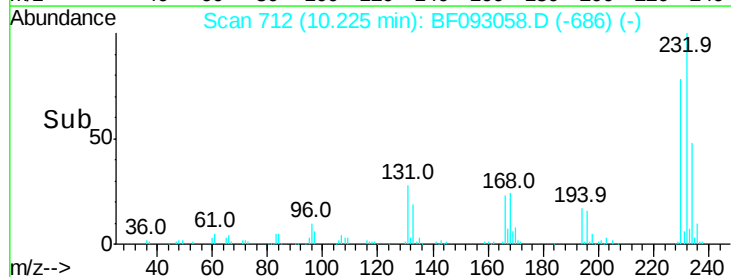
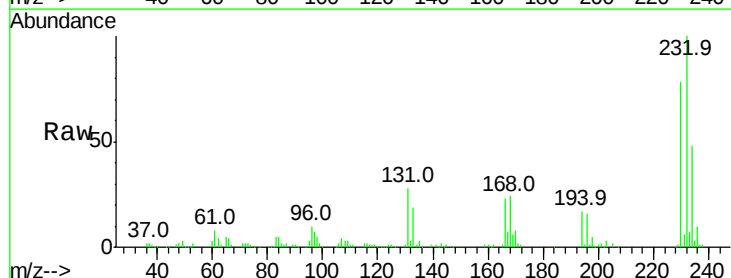
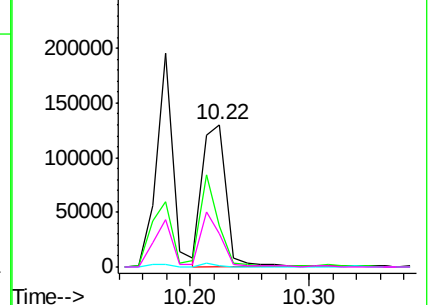
166 31.3 26.6 39.8

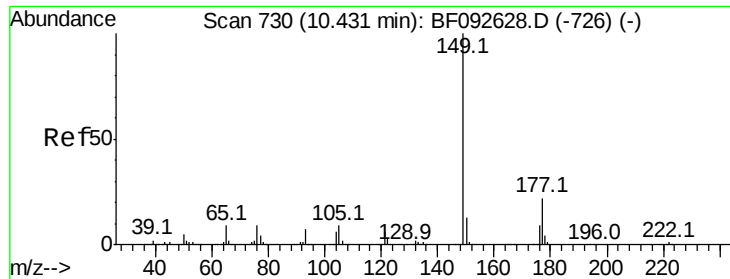
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





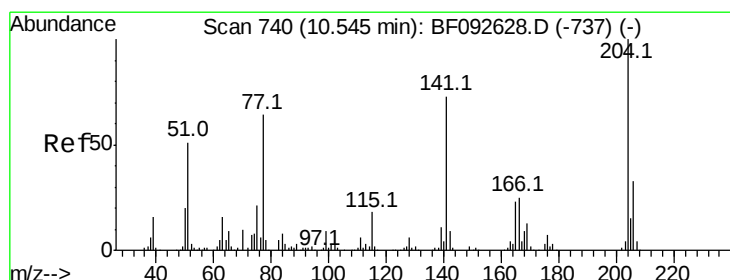
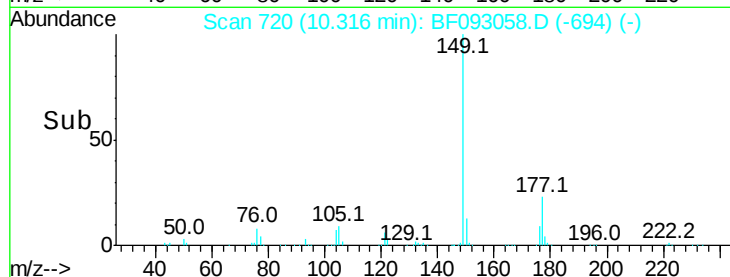
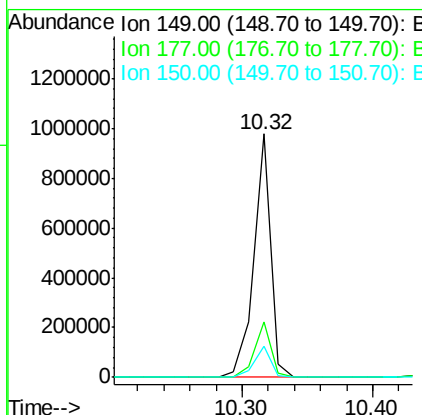
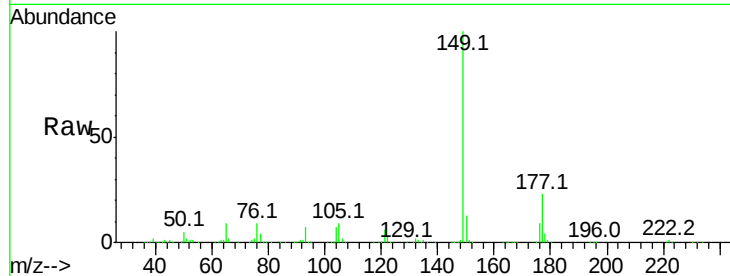
#59  
Diethylphthalate  
Concen: 48.07 ng  
RT: 10.32 min Scan# 720  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 874237 |       |       |
| 177     | 22.6  | 16.6   | 25.0  |       |
| 150     | 12.8  | 10.4   | 15.6  |       |

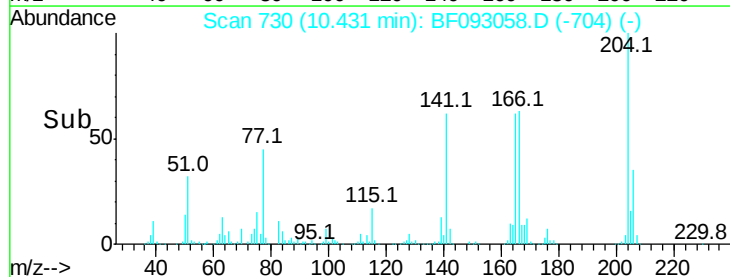
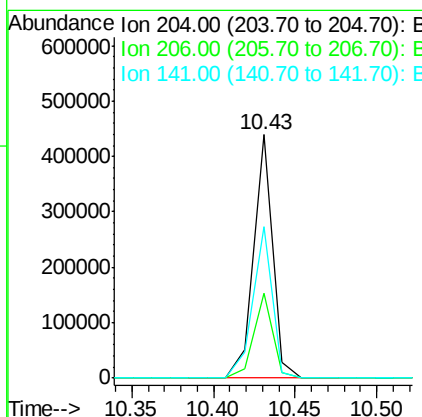
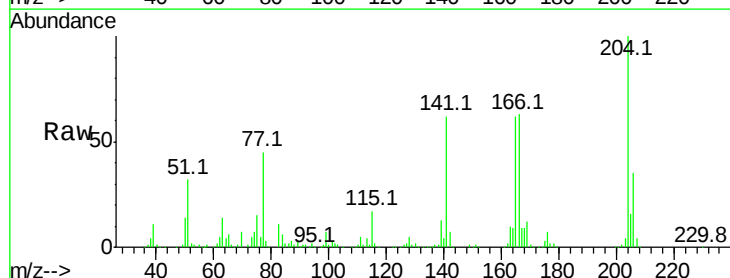
Manual Integrations  
APPROVED

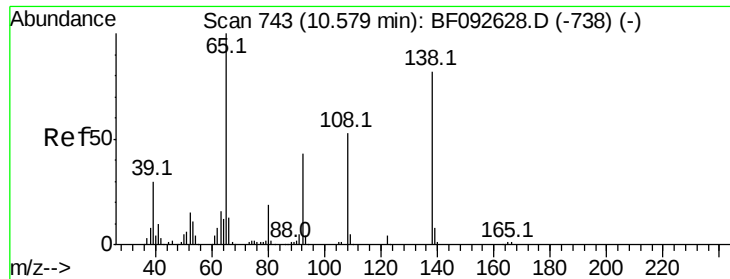
mohammad  
2/21/2017 3:58:02 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 43.24 ng  
RT: 10.43 min Scan# 730  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 358326 |       |       |
| 206     | 34.9  | 25.8   | 38.6  |       |
| 141     | 62.0  | 59.4   | 89.0  |       |





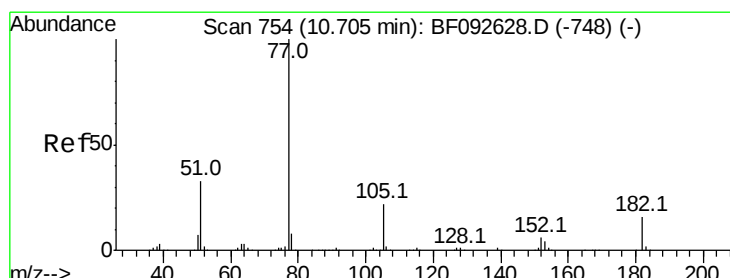
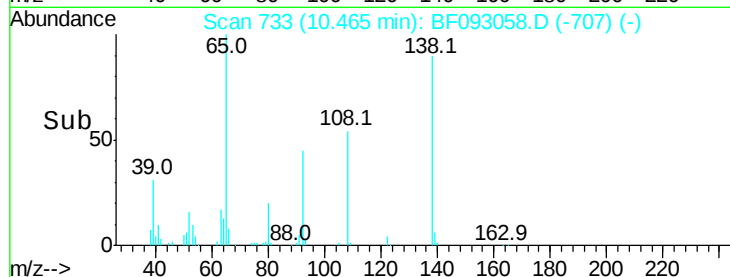
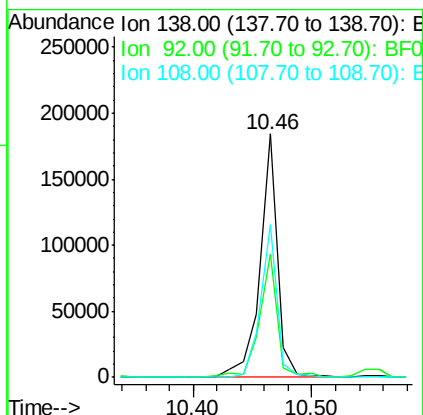
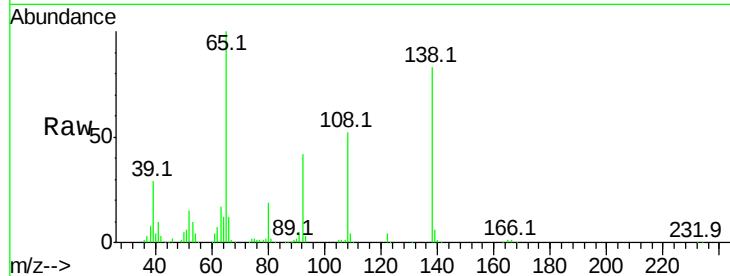
#61  
4-Nitroaniline  
Concen: 38.96 ng  
RT: 10.46 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 190346 |       |       |
| 92      | 50.6  | 31.7   | 71.7  |       |
| 108     | 62.5  | 52.6   | 92.6  |       |

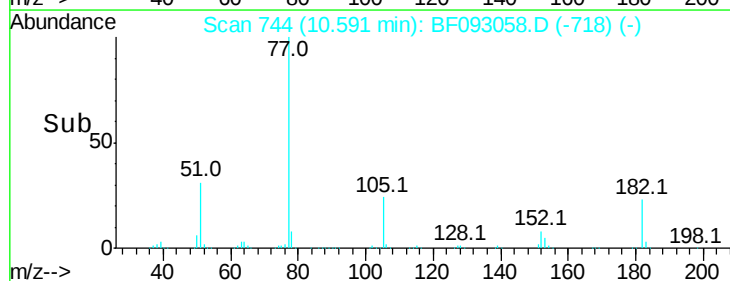
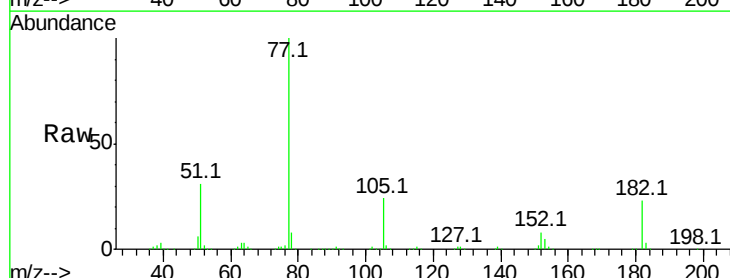
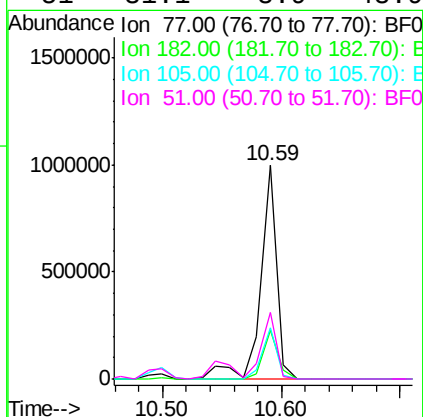
Manual Integrations  
APPROVED

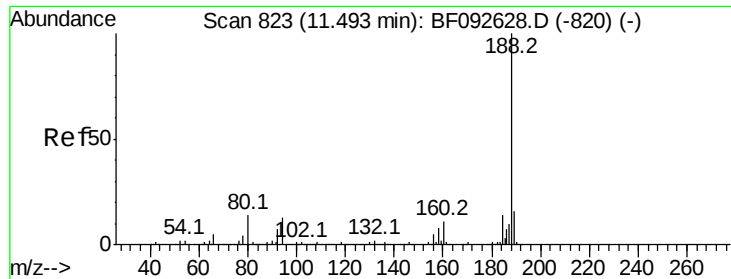
mohammad  
2/21/2017 3:58:02 PM



#62  
Azobenzene  
Concen: 50.66 ng  
RT: 10.59 min Scan# 744  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 951858 |       |       |
| 182     | 22.6  | 0.0    | 39.3  |       |
| 105     | 23.8  | 2.3    | 42.3  |       |
| 51      | 31.1  | 8.9    | 48.9  |       |





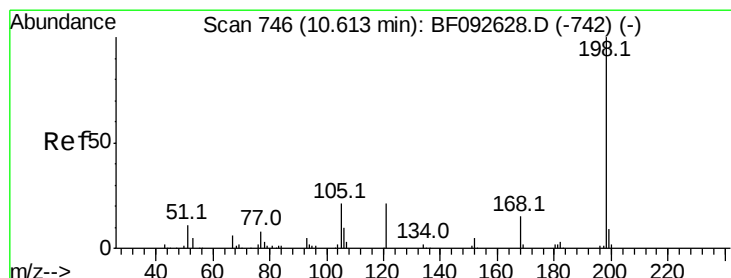
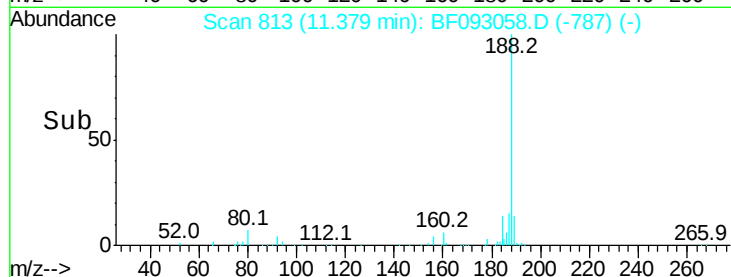
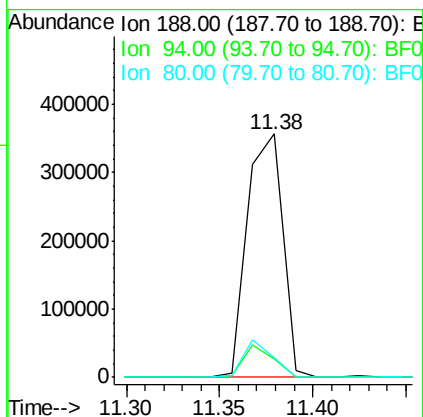
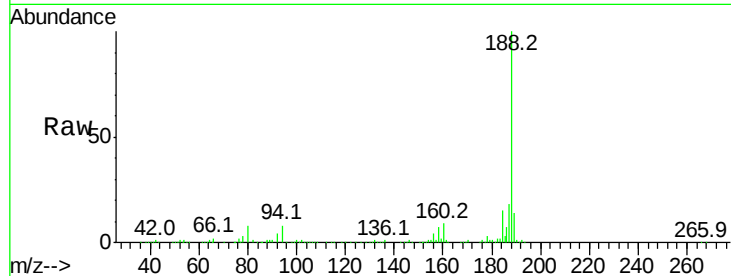
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 470857 |       |       |
| 94      | 7.6   | 10.0   | 15.0# |       |
| 80      | 8.1   | 11.2   | 16.8# |       |

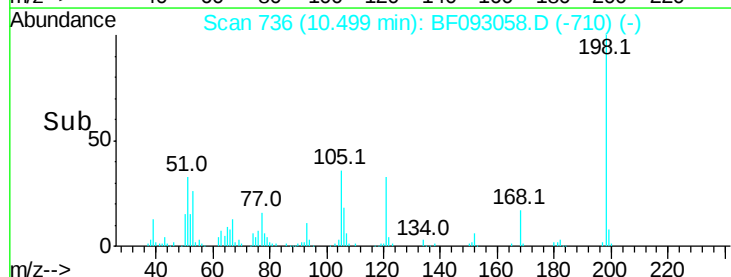
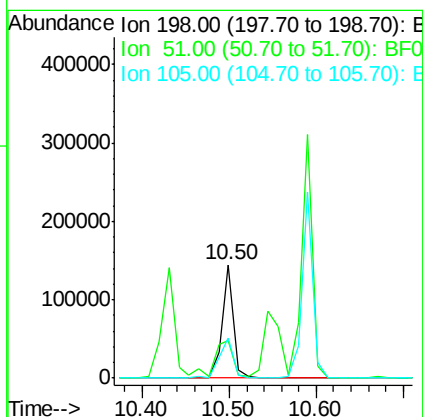
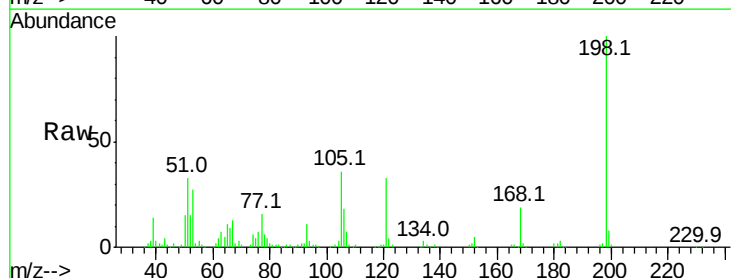
Manual Integrations  
APPROVED

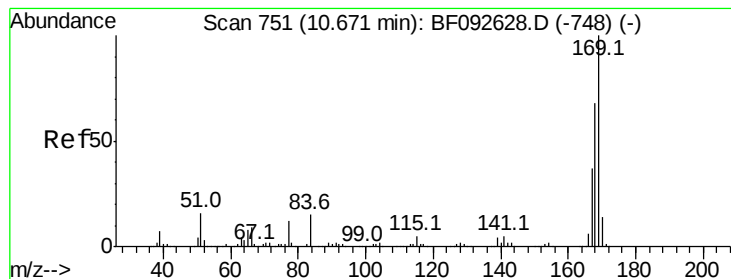
mohammad  
2/21/2017 3:58:02 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 46.73 ng  
RT: 10.50 min Scan# 736  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 133716 |       |       |
| 51      | 33.4  | 6.7    | 46.7  |       |
| 105     | 35.9  | 16.6   | 56.6  |       |





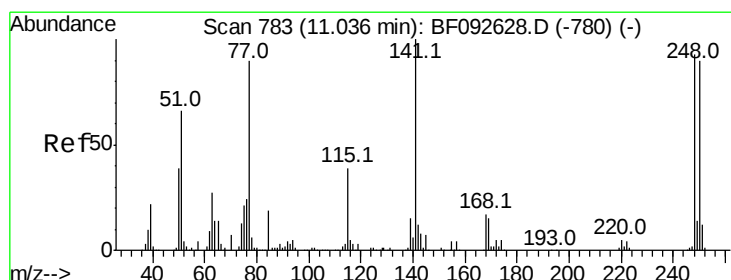
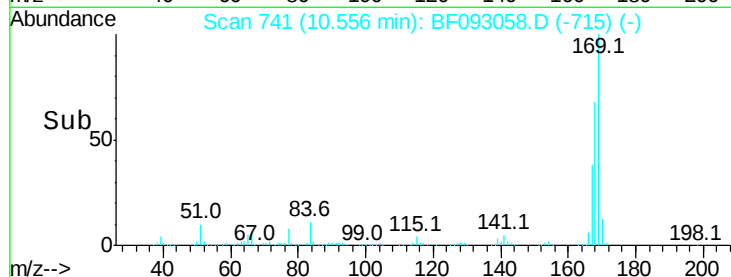
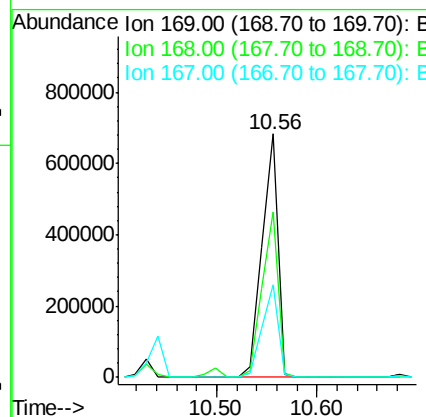
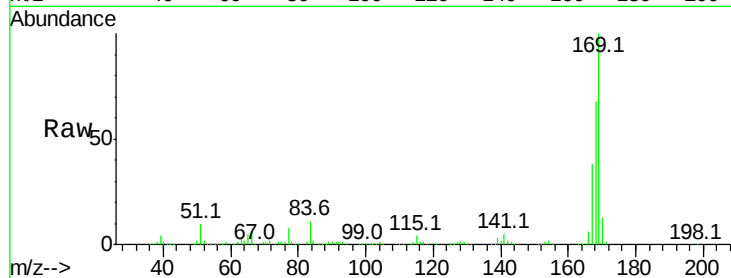
#65  
 n-Nitrosodiphenylamine  
 Concen: 49.82 ng  
 RT: 10.56 min Scan# 741  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 749300 |       |       |
| 168     | 68.0  |        | 54.2  | 81.2  |
| 167     | 38.0  |        | 30.2  | 45.4  |

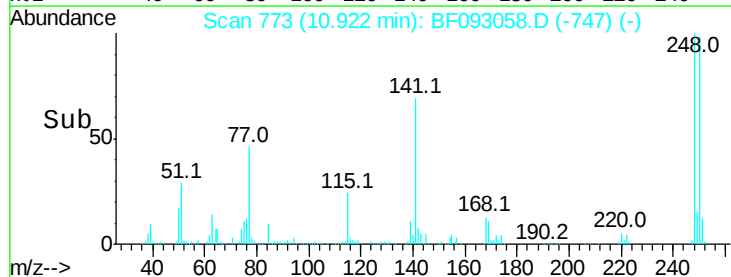
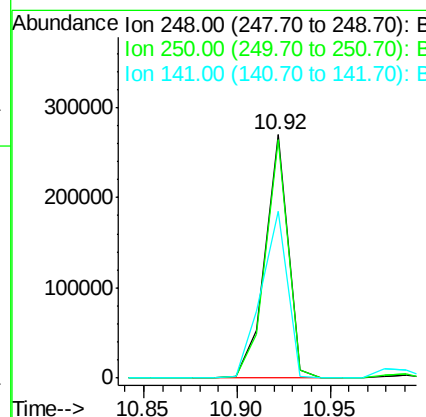
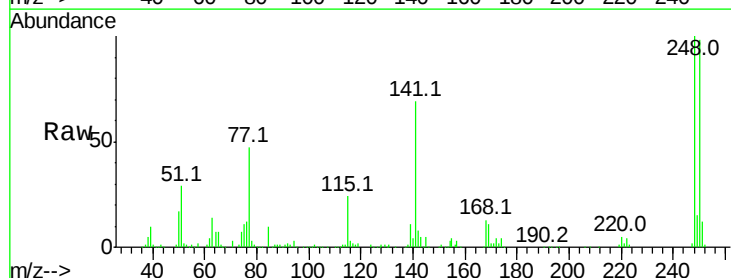
Manual Integrations  
 APPROVED

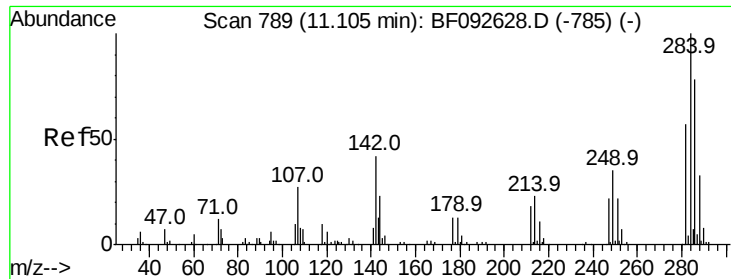
mohammad  
 2/21/2017 3:58:02 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.50 ng  
 RT: 10.92 min Scan# 773  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 228749 |       |       |
| 250     | 97.9  |        | 76.9  | 115.3 |
| 141     | 68.5  |        | 68.2  | 102.4 |





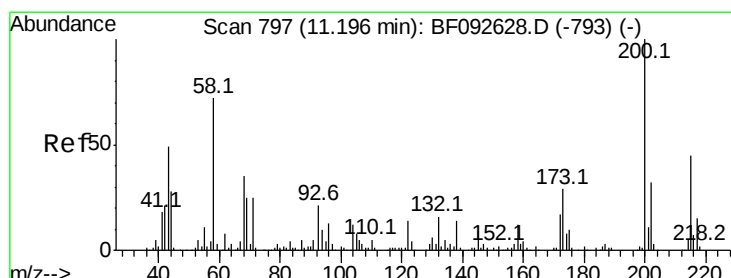
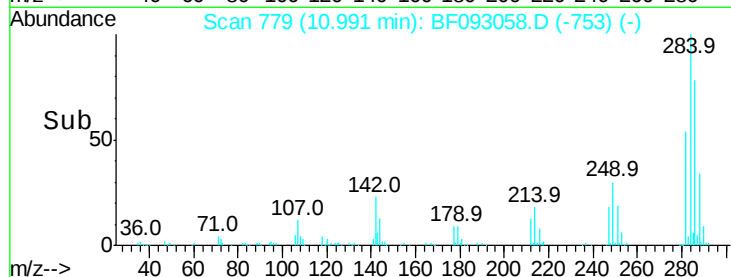
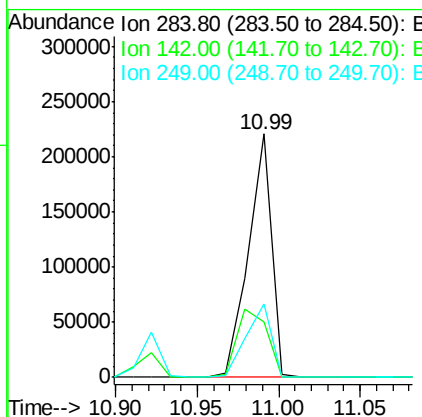
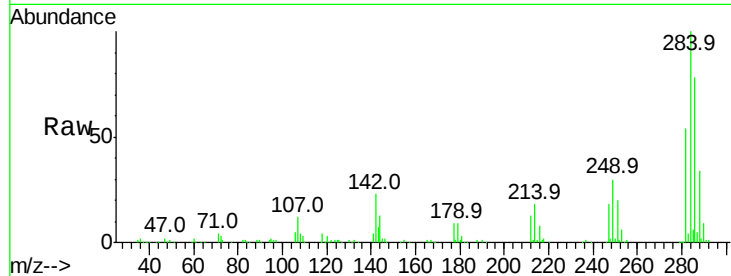
#67  
Hexachlorobenzene  
Concen: 44.83 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 217944 |       |       |
| 142     | 22.8  | 22.6   | 33.8  |       |
| 249     | 30.0  | 25.4   | 38.0  |       |

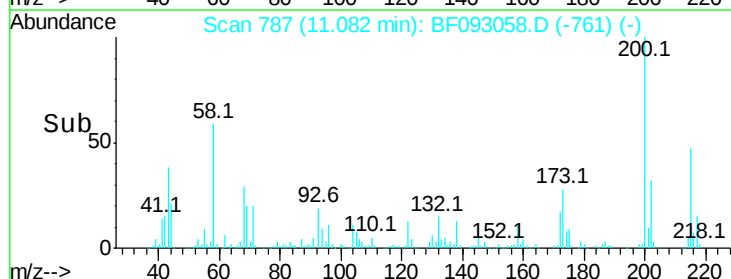
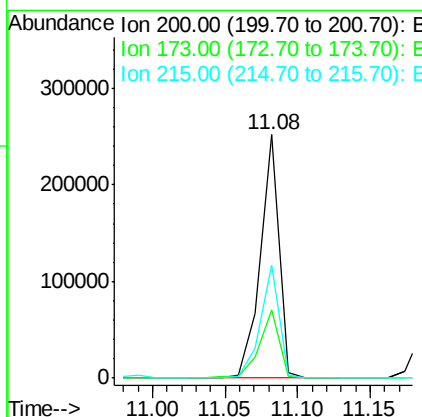
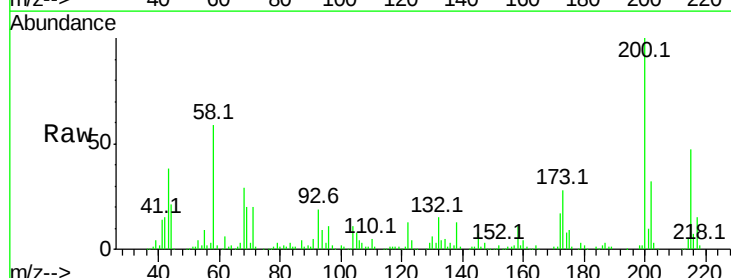
Manual Integrations  
APPROVED

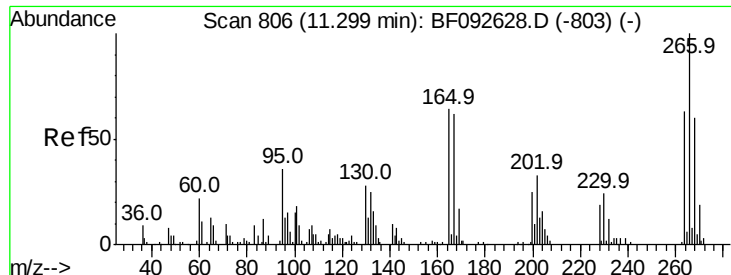
mohammad  
2/21/2017 3:58:02 PM



#68  
Atrazine  
Concen: 46.73 ng  
RT: 11.08 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 225567 |       |       |
| 173     | 27.9  | 9.6    | 49.6  |       |
| 215     | 46.6  | 25.7   | 65.7  |       |





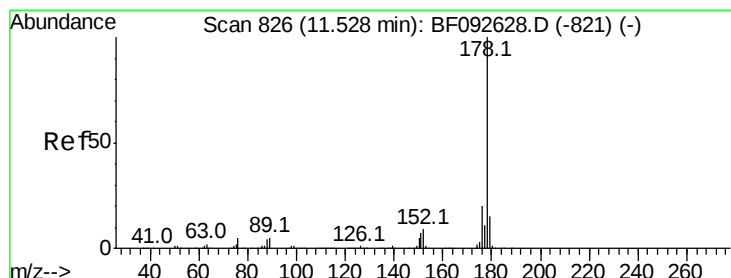
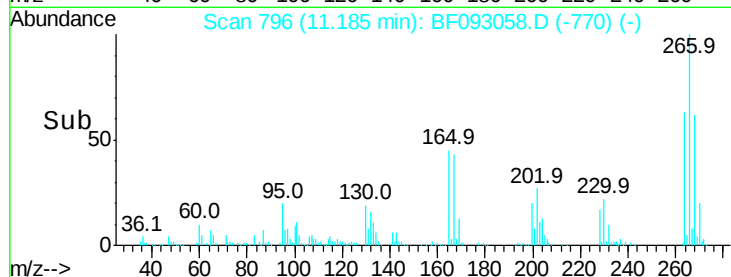
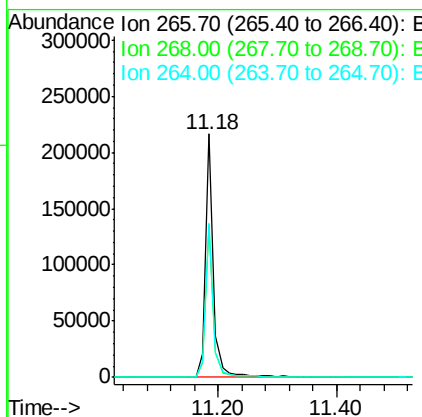
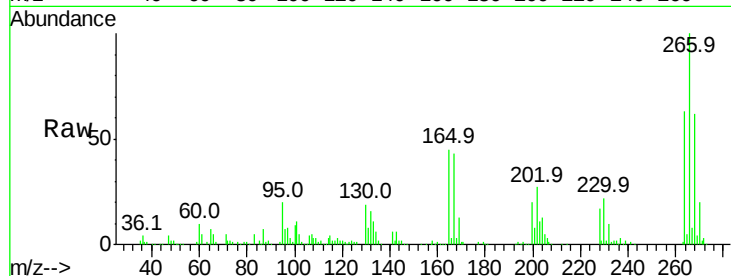
#69  
 Pentachlorophenol  
 Concen: 82.74 ng  
 RT: 11.18 min Scan# 796  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 208309 |       |       |
| 268     | 62.1  |        | 53.3  | 79.9  |
| 264     | 63.4  |        | 50.3  | 75.5  |

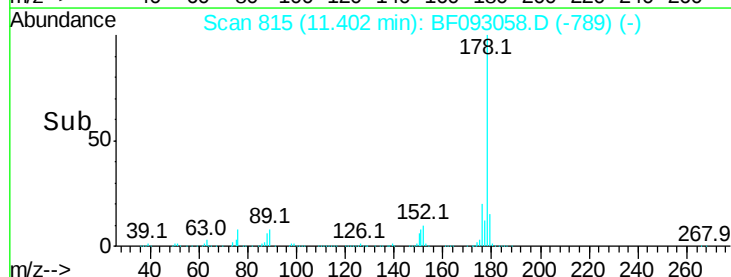
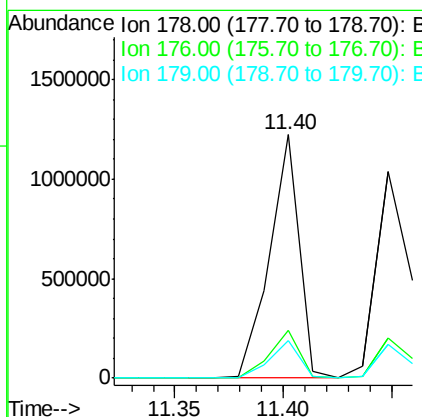
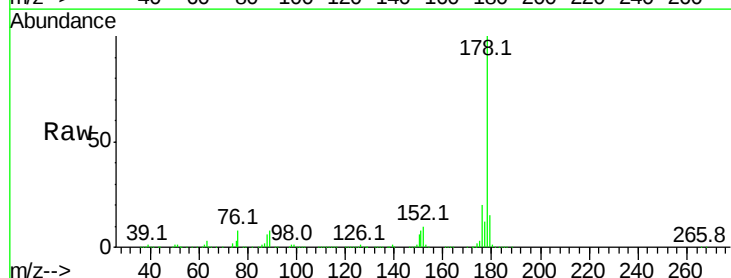
Manual Integrations  
 APPROVED

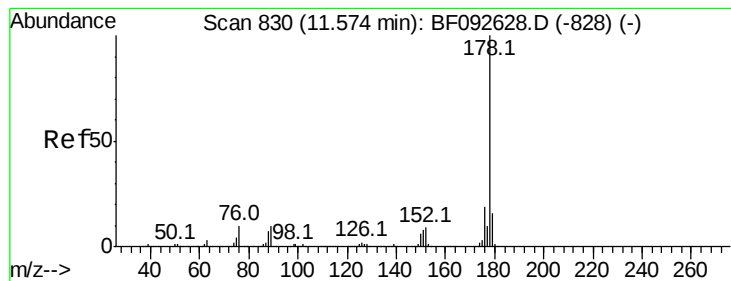
mohammad  
 2/21/2017 3:58:02 PM



#70  
 Phenanthrene  
 Concen: 43.48 ng  
 RT: 11.40 min Scan# 815  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1172803 |       |       |
| 176     | 19.9  |         | 16.6  | 25.0  |
| 179     | 15.3  |         | 12.8  | 19.2  |





#71  
 Anthracene  
 Concen: 40.81 ng  
 RT: 11.45 min Scan# 819  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

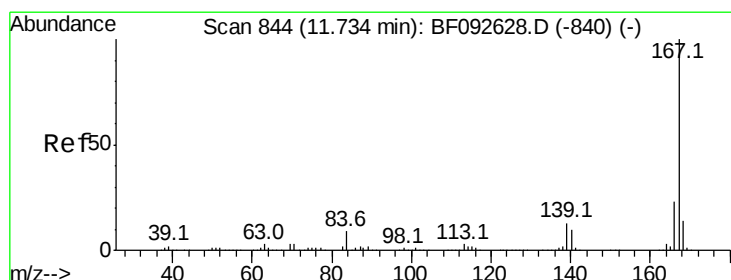
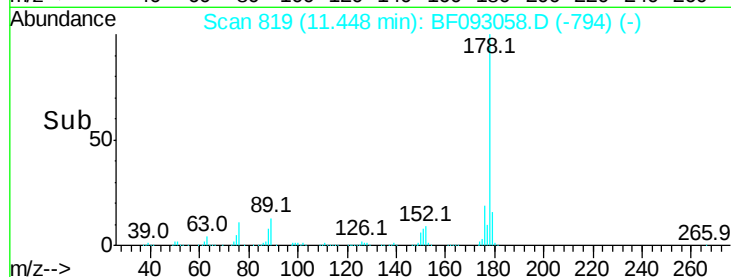
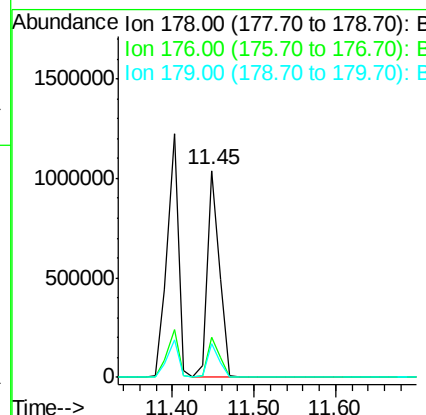
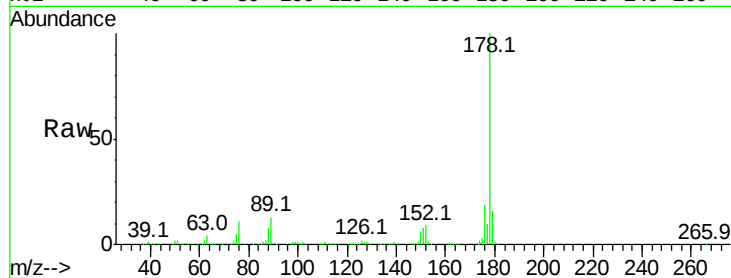
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

Tot Ion:178 Resp: 1105521  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.4  | 15.9  | 23.9  |
| 179 | 16.1  | 13.2  | 19.8  |

Manual Integrations  
 APPROVED

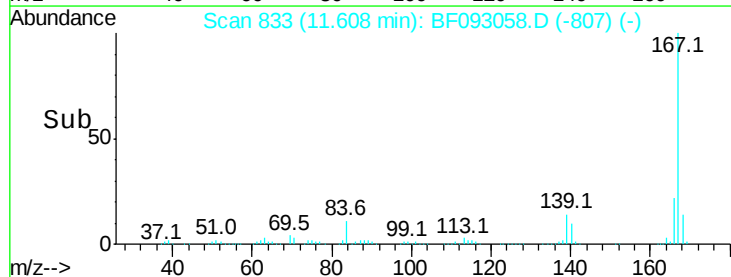
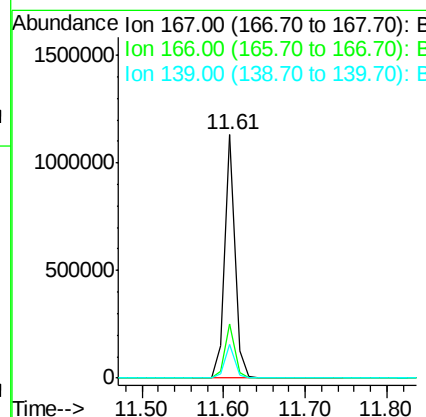
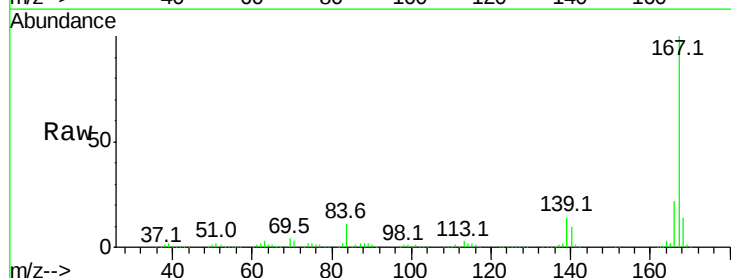
mohammad  
 2/21/2017 3:58:02 PM

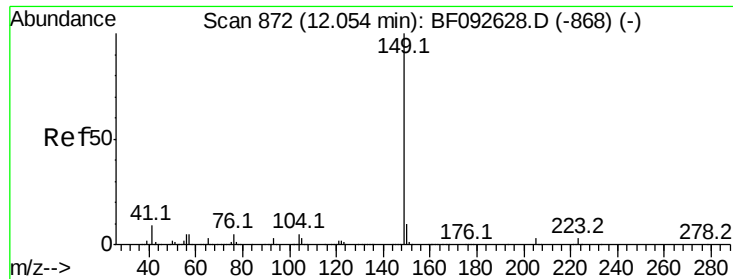


#72  
 Carbazole  
 Concen: 37.93 ng  
 RT: 11.61 min Scan# 833  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Tgt Ion:167 Resp: 982282  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.3  | 18.2  | 27.2  |
| 139 | 13.7  | 11.4  | 17.2  |





#73

Di-n-butylphthalate

Concen: 50.73 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

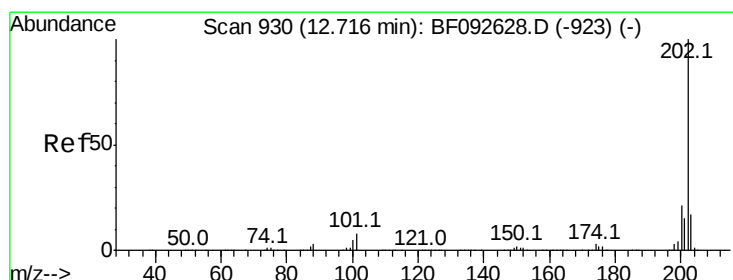
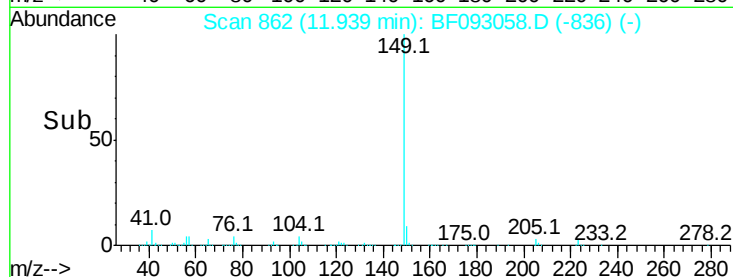
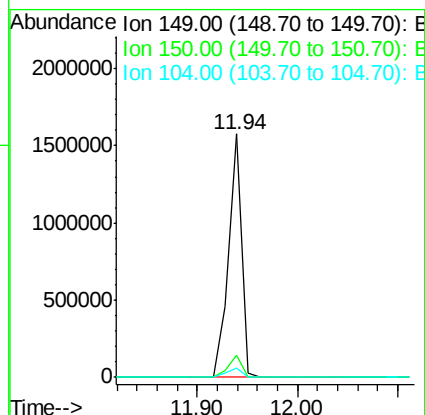
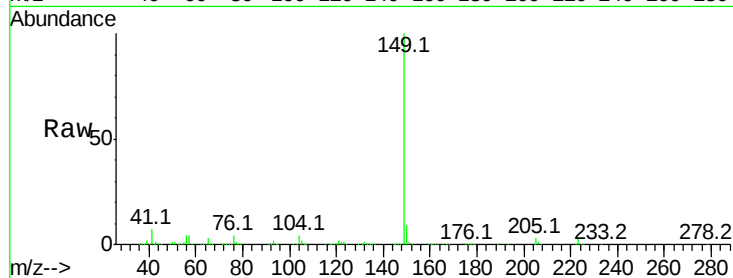
ClientSampleId :

PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 8.1   | 12.1  |
| 104     | 4.0   | 4.6   | 7.0   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#74

Fluoranthene

Concen: 37.95 ng

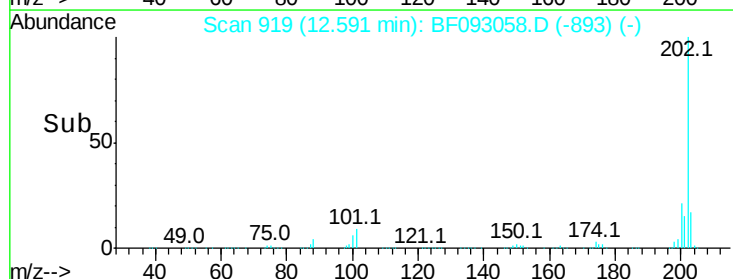
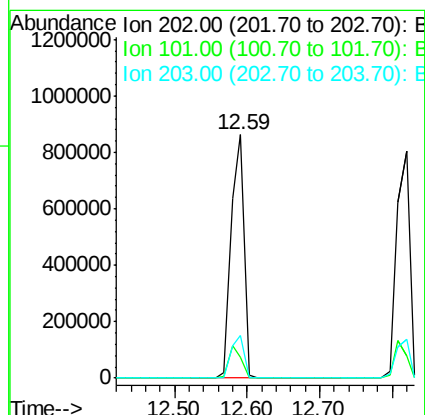
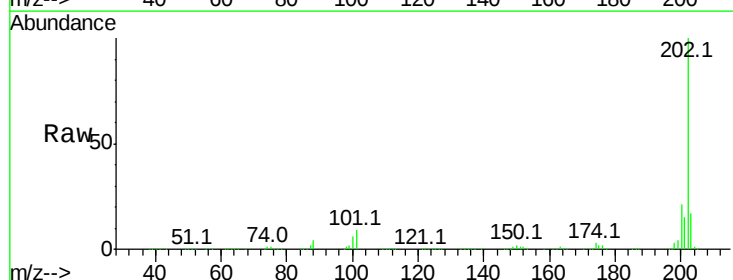
RT: 12.59 min Scan# 919

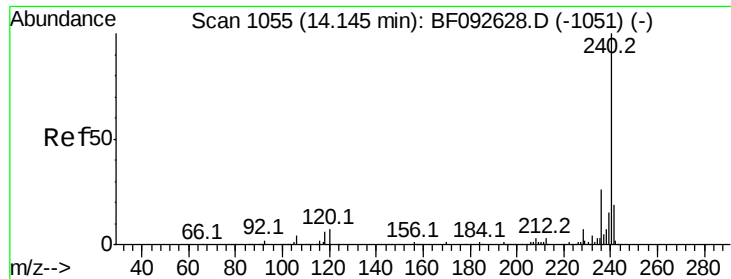
Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 0.0   | 34.6  |
| 203     | 17.4  | 0.0   | 38.7  |





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

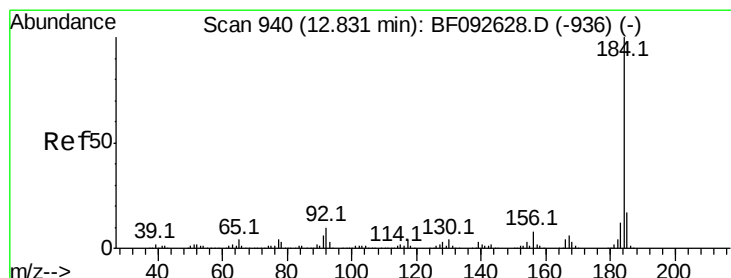
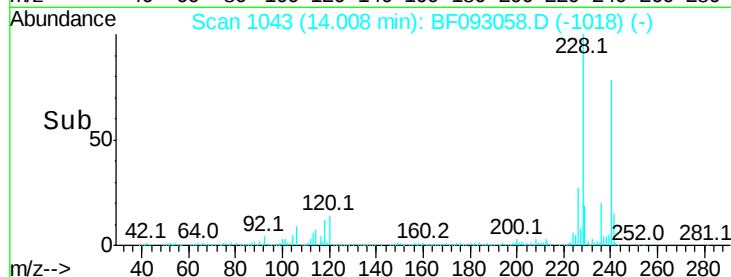
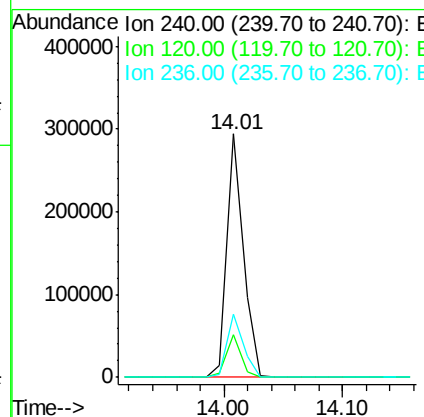
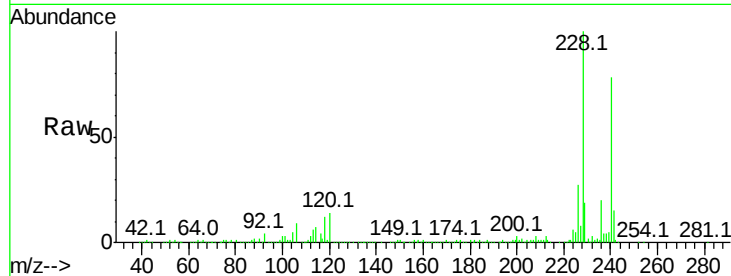
ClientSampleId :

PB97045BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 281939 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 17.6  | 12.9  | 19.3   |
| 236       | 25.7  | 20.9  | 31.3   |

Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#76

Benzidine

Concen: 27.56 ng

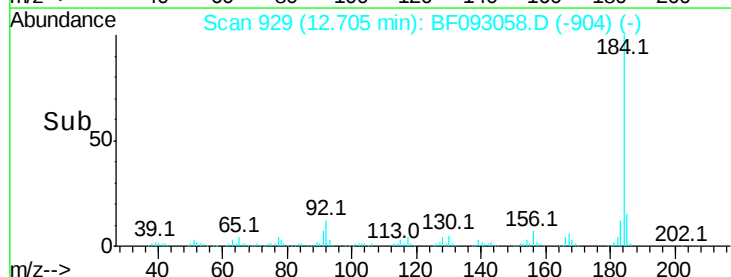
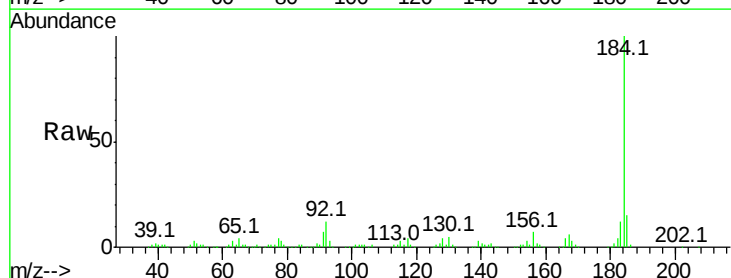
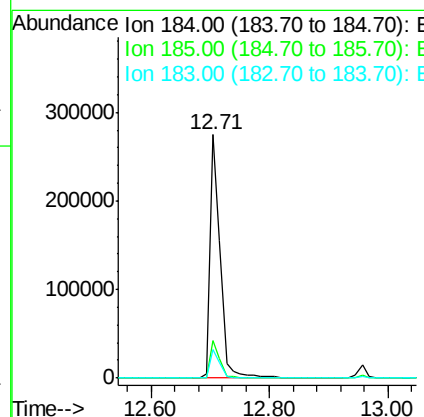
RT: 12.71 min Scan# 929

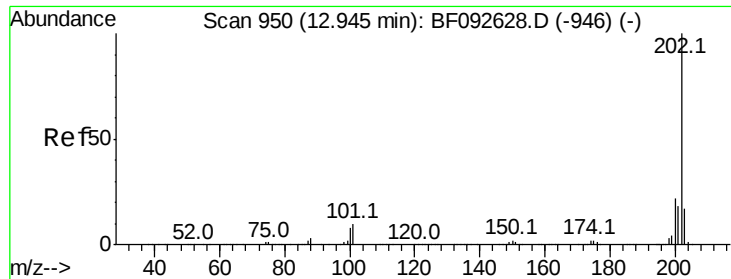
Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 331165 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.2  | 13.4  | 20.0   |
| 183       | 11.6  | 9.2   | 13.8   |





#77

Pvrene

Concen: 47.79 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

Instrument :

BNA\_F

ClientSampled :

PB97045BSD

Tot Ion:202 Resp: 1008284

Ion Ratio Lower Upper

202 100

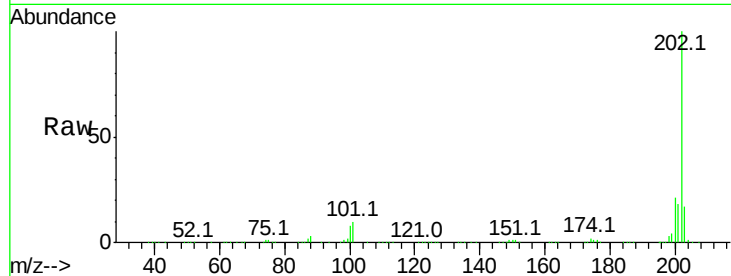
200 21.4 17.7 26.5

203 17.0 14.7 22.1

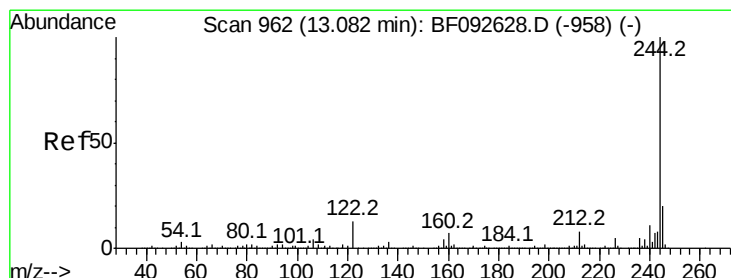
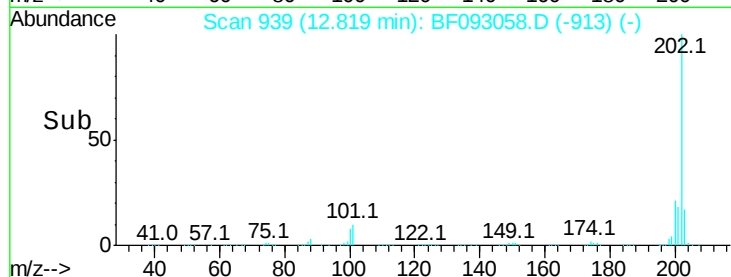
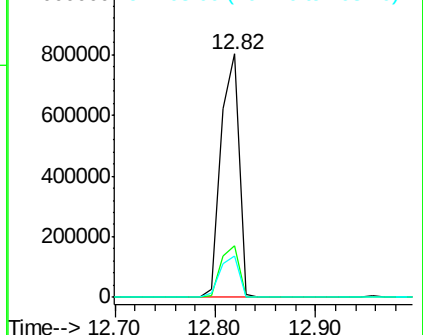
Manual Integrations  
APPROVED

mohammad

2/21/2017 3:58:02 PM



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



#78

Terphenyl-d14

Concen: 86.29 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093058.D

Acq: 21 Feb 2017 6:45

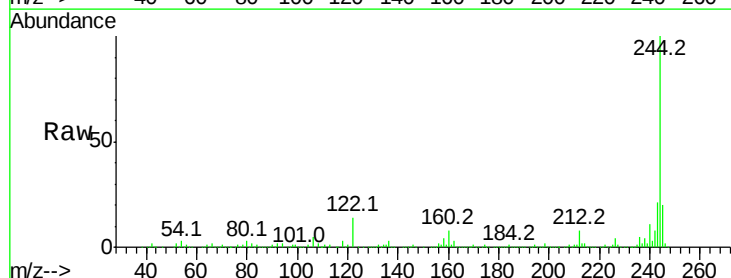
Tgt Ion:244 Resp: 1035358

Ion Ratio Lower Upper

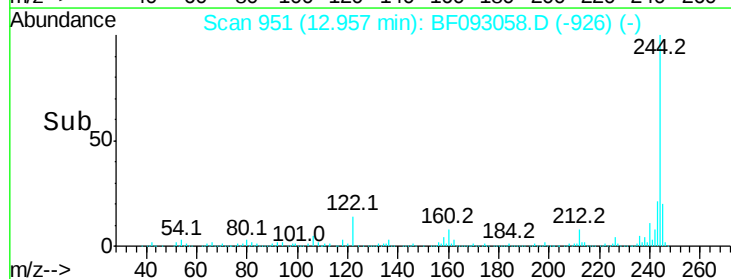
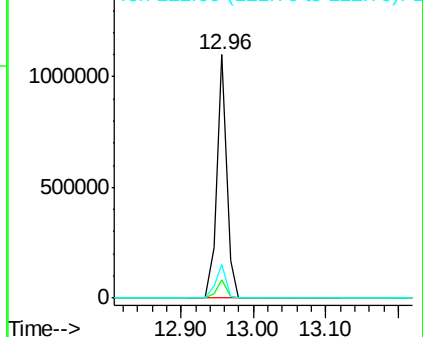
244 100

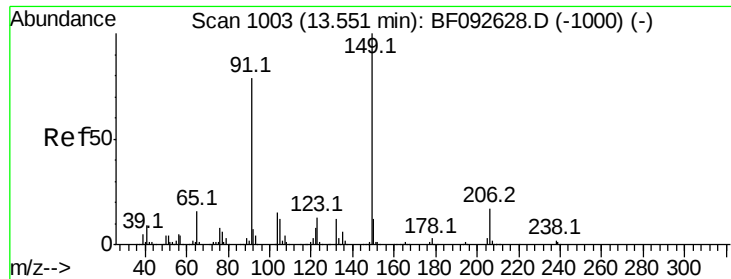
212 7.8 6.2 9.2

122 13.9 11.4 17.2



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





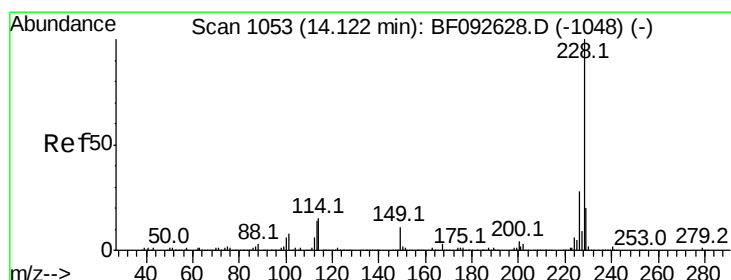
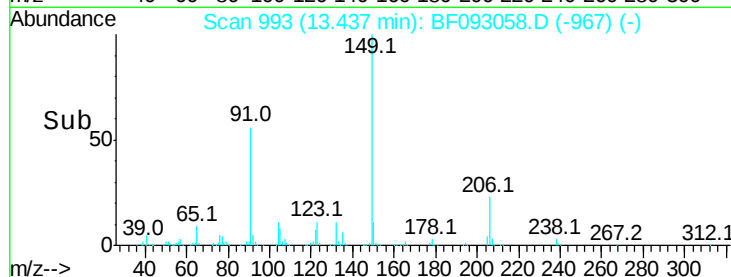
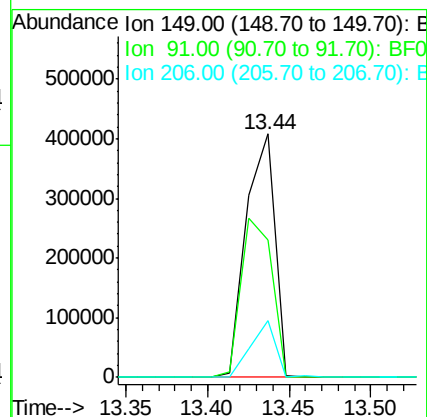
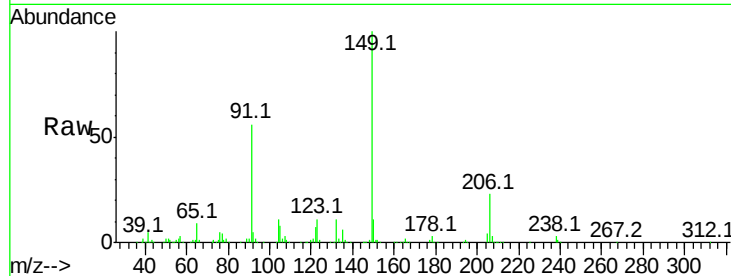
#79  
Butylbenzylphthalate  
Concen: 57.92 ng  
RT: 13.44 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleID :  
PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 496246 |       |       |
| 91      | 56.2  | 63.9   | 95.9# |       |
| 206     | 23.3  | 14.6   | 21.8# |       |

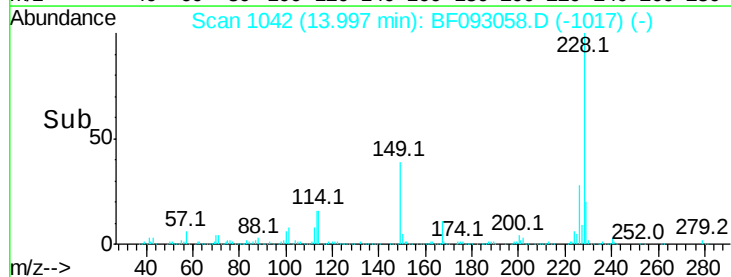
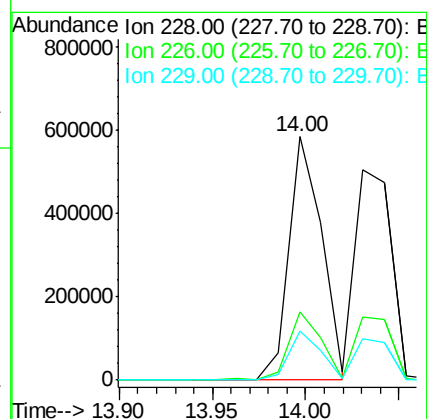
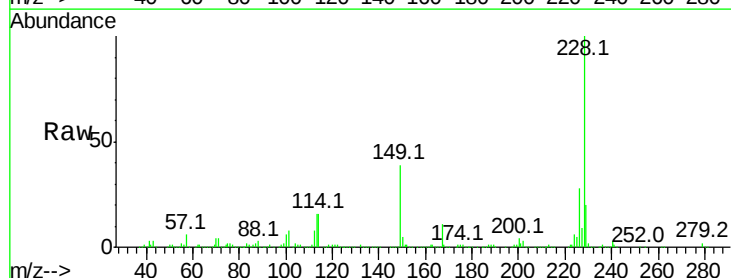
Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#80  
Benzo(a)anthracene  
Concen: 41.64 ng  
RT: 14.00 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 717952 |       |       |
| 226     | 28.1  | 22.4   | 33.6  |       |
| 229     | 20.1  | 16.2   | 24.4  |       |





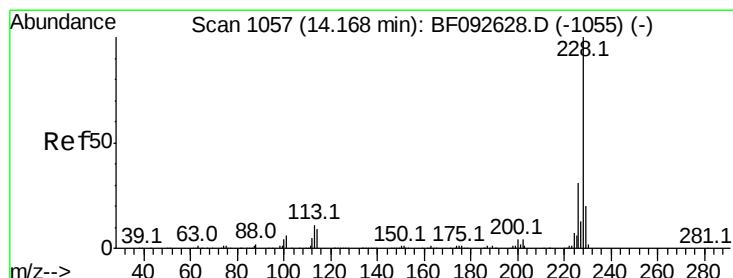
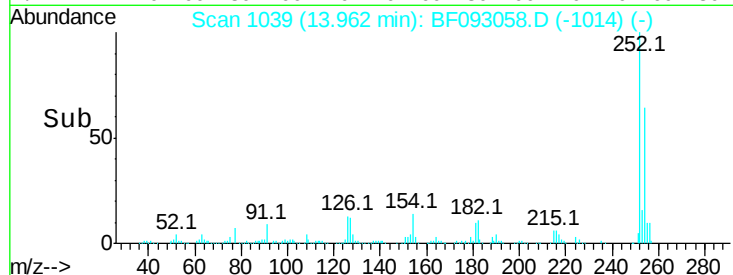
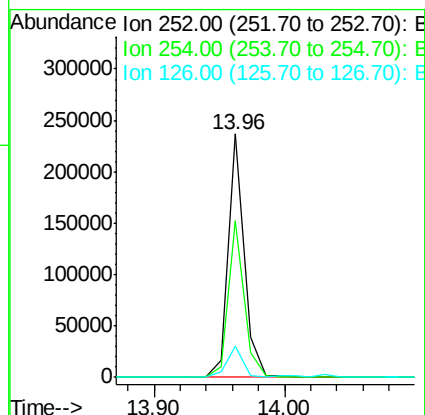
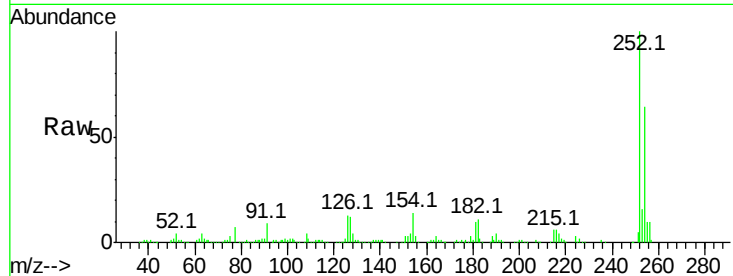
#81  
 3,3'-Dichlorobenzidine  
 Concen: 33.20 ng  
 RT: 13.96 min Scan# 1039  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.5  | 52.3       | 78.5  |
| 126     | 12.8  | 13.6       | 20.4  |

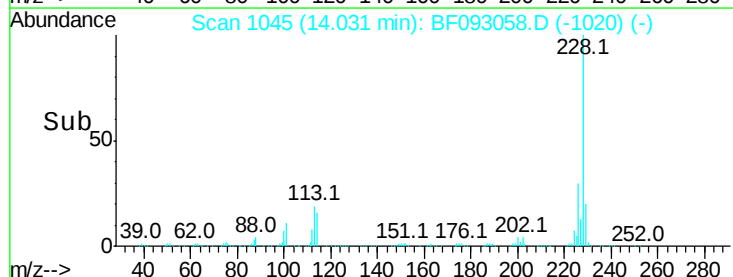
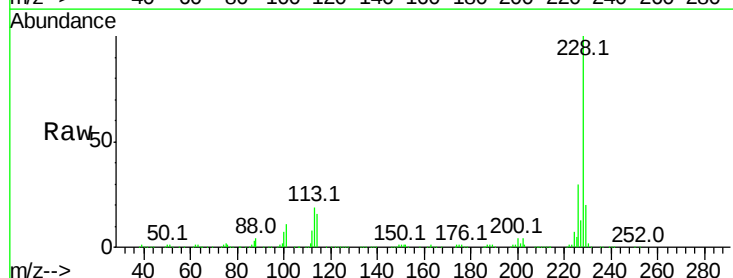
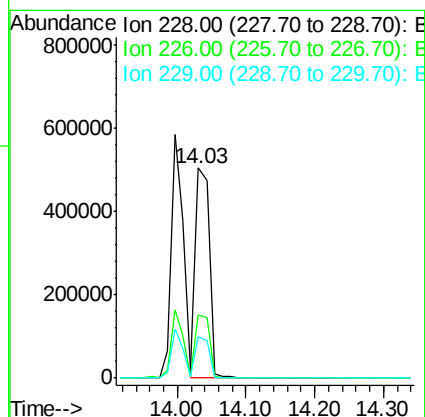
Manual Integrations  
 APPROVED

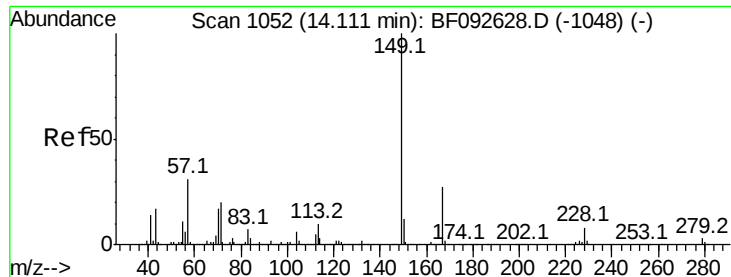
mohammad  
 2/21/2017 3:58:02 PM



#82  
 Chrysene  
 Concen: 42.85 ng  
 RT: 14.03 min Scan# 1045  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.1  | 25.4       | 38.0  |
| 229     | 19.8  | 16.2       | 24.2  |





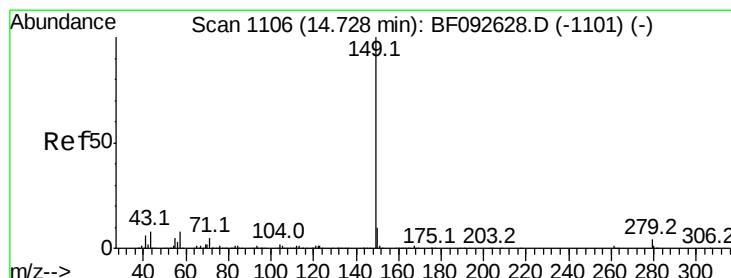
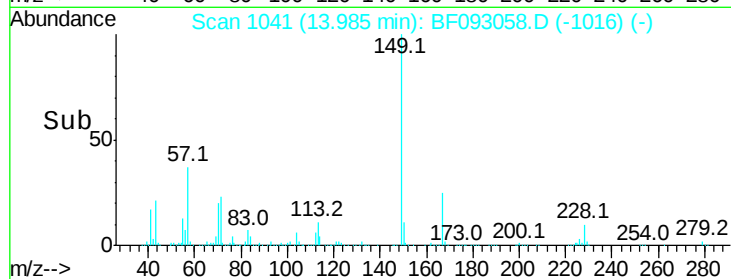
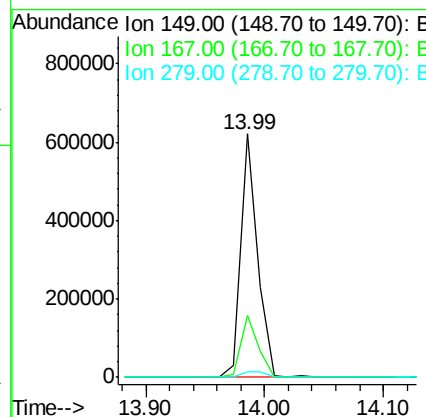
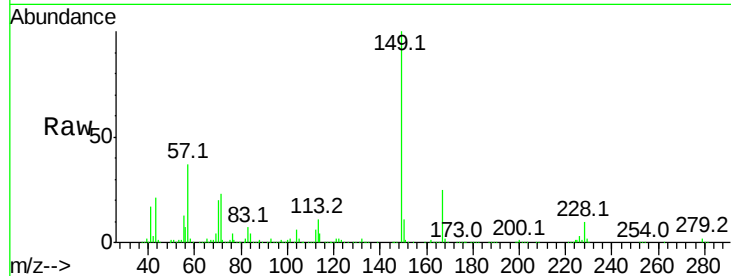
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 52.23 ng  
 RT: 13.99 min Scan# 1041  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 612066 |       |       |
| 167     | 25.4  |        | 20.2  | 30.4  |
| 279     | 2.2   |        | 1.8   | 2.8   |

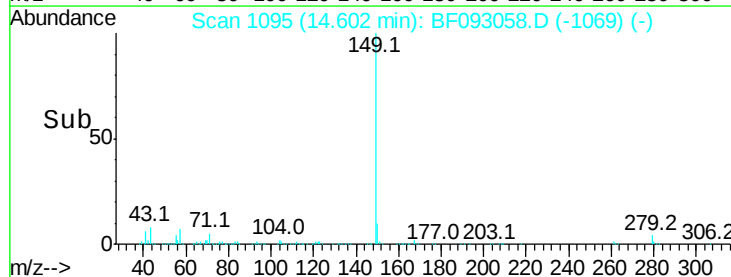
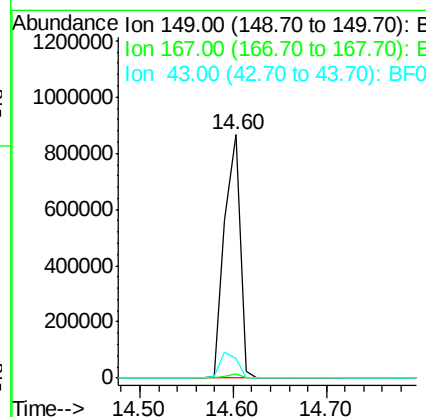
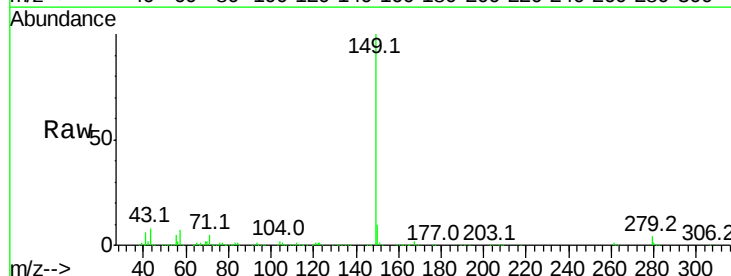
Manual Integrations  
 APPROVED

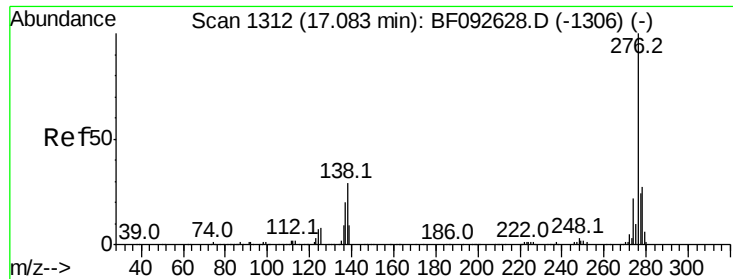
mohammad  
 2/21/2017 3:58:02 PM



#84  
 Di-n-octyl phthalate  
 Concen: 52.73 ng  
 RT: 14.60 min Scan# 1095  
 Delta R.T. -0.00 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1006097 |       |       |
| 167     | 1.5   |         | 1.3   | 1.9   |
| 43      | 11.1  |         | 8.9   | 13.3  |





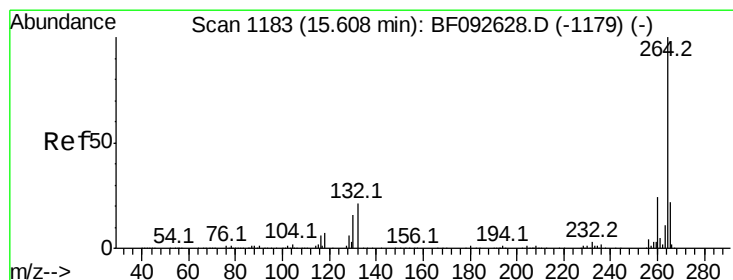
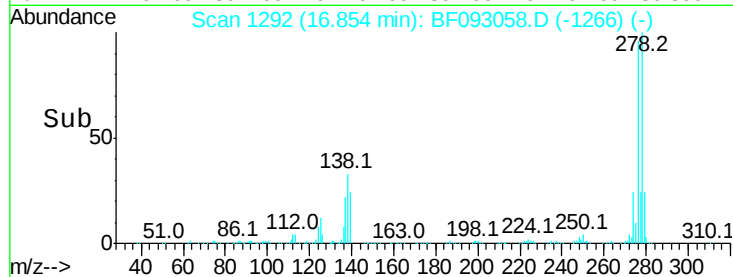
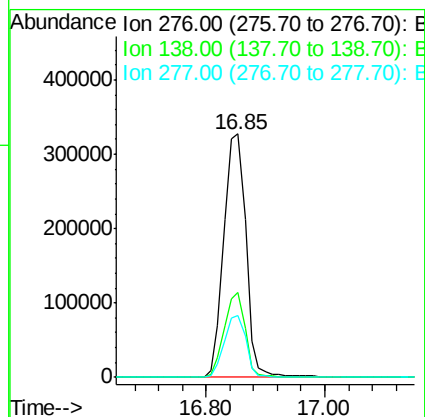
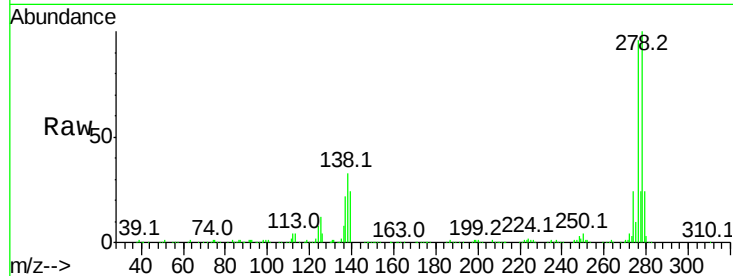
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 68.08 ng  
RT: 16.85 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 33.3  | 21.8  | 32.6  |
| 277     | 25.1  | 20.2  | 30.4  |

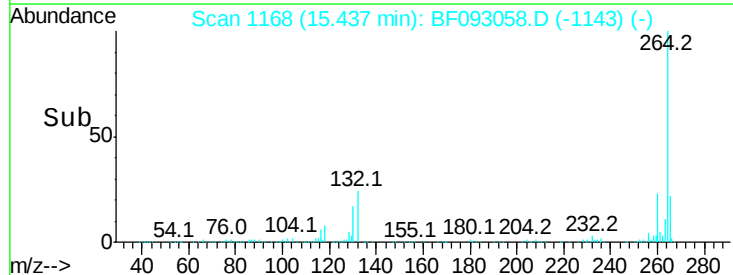
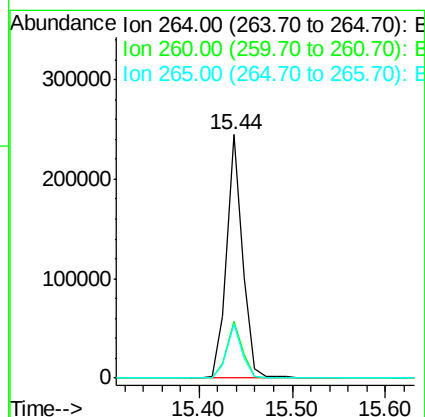
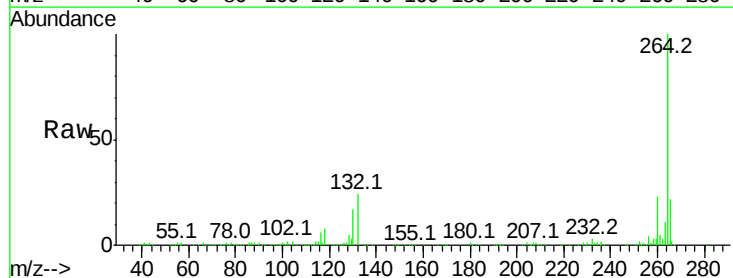
Manual Integrations  
APPROVED

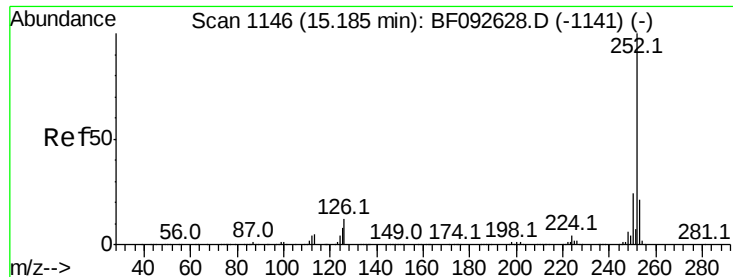
mohammad  
2/21/2017 3:58:02 PM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.44 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 22.1  | 17.4  | 26.0  |





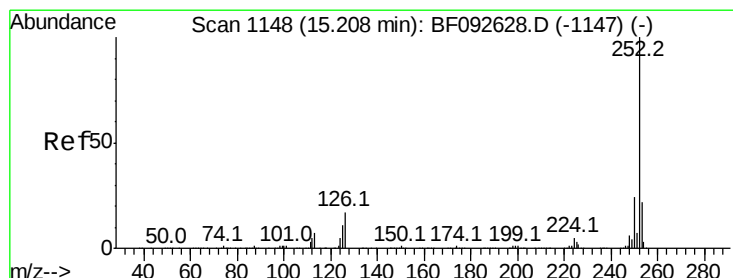
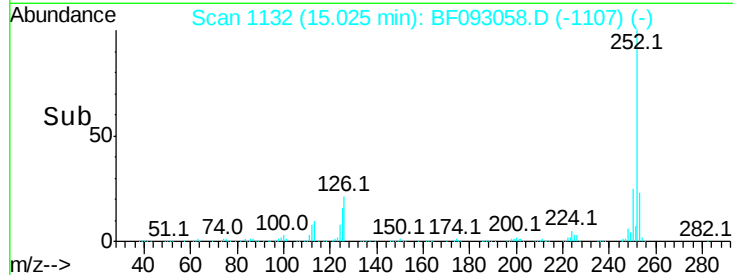
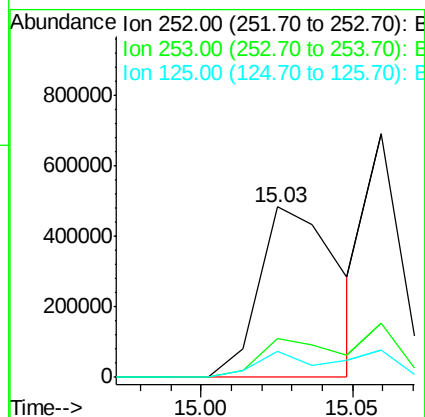
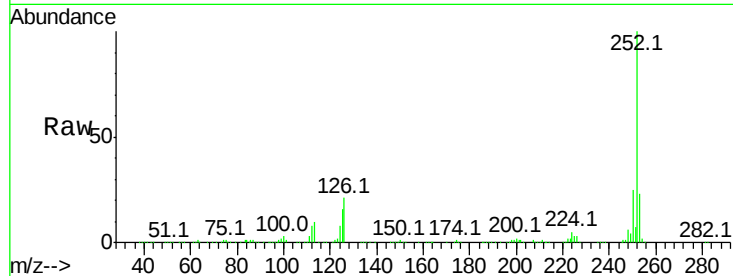
#87  
Benzo(b)fluoranthene  
Concen: 45.80 ng m  
RT: 15.03 min Scan# 1132  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.2  | 27.4  |
| 125     | 15.6  | 9.8   | 14.6  |

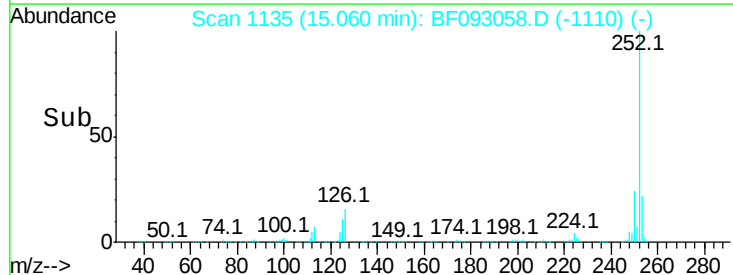
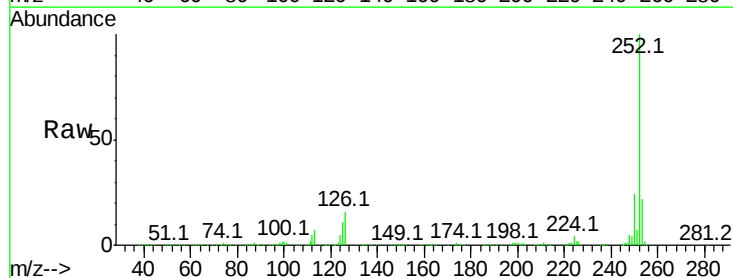
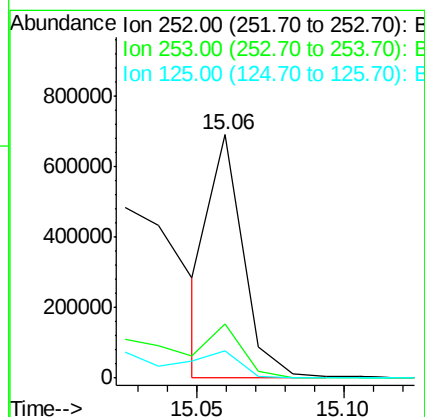
Manual Integrations  
APPROVED

mohammad  
2/21/2017 3:58:02 PM



#88  
Benzo(k)fluoranthene  
Concen: 32.93 ng m  
RT: 15.06 min Scan# 1135  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.5  | 27.7  |
| 125     | 11.1  | 8.9   | 13.3  |





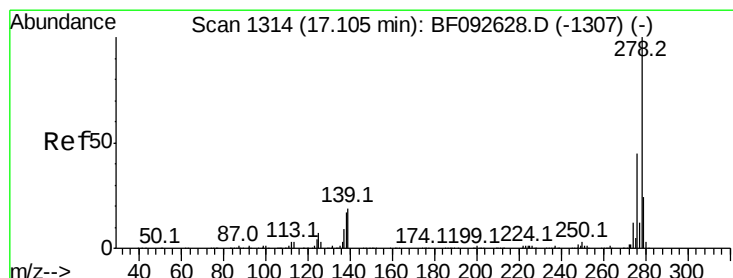
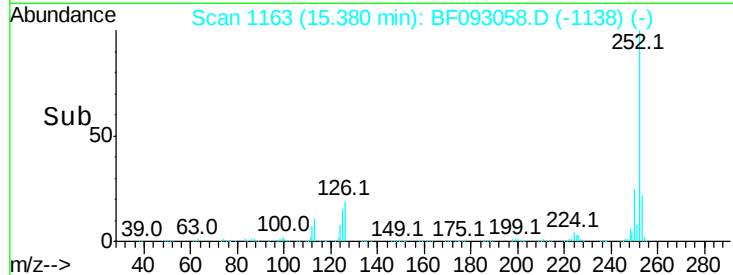
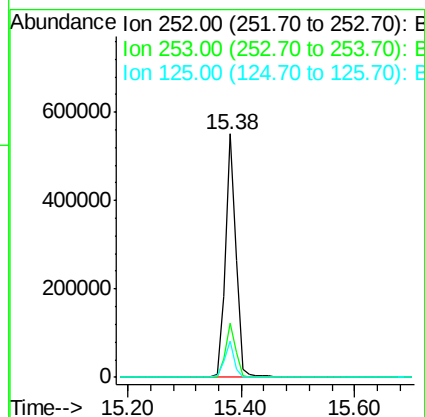
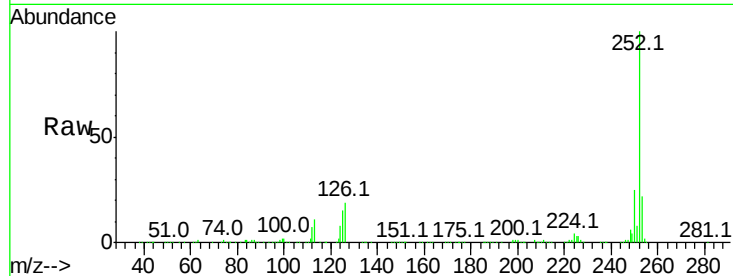
#89  
Benzo(a)pyrene  
Concen: 43.56 ng  
RT: 15.38 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB97045BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.2  |
| 125     | 14.7  | 10.0  | 15.0  |

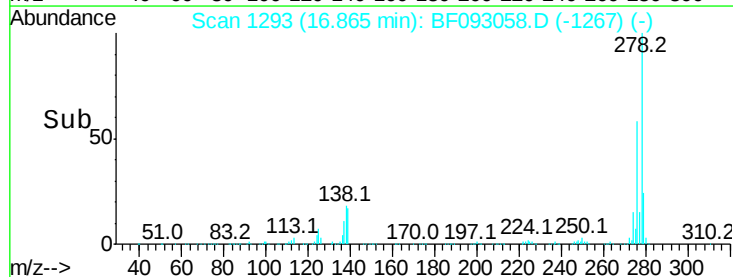
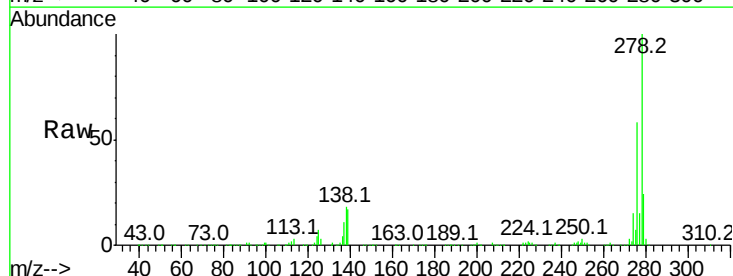
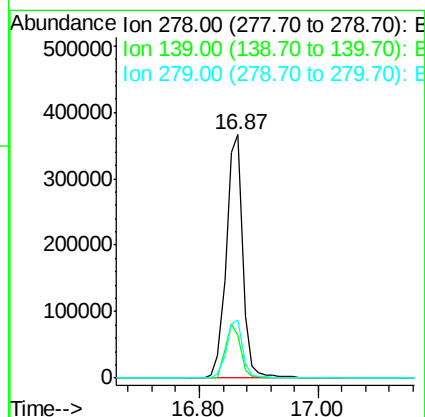
Manual Integrations  
APPROVED

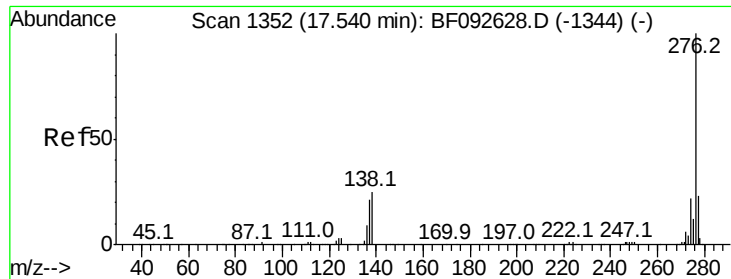
mohammad  
2/21/2017 3:58:02 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 53.01 ng  
RT: 16.87 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: BF093058.D  
Acq: 21 Feb 2017 6:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.3  | 14.8  | 22.2  |
| 279     | 23.7  | 19.8  | 29.6  |





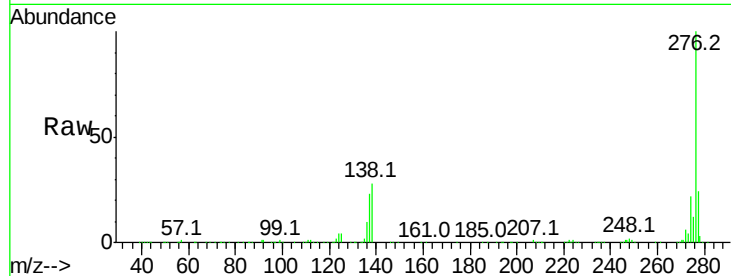
#91  
 Benzo(a,h,i)perylene  
 Concen: 53.91 ng  
 RT: 17.28 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: BF093058.D  
 Acq: 21 Feb 2017 6:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97045BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 23.9  | 19.2       | 28.8  |
| 138     | 27.9  | 16.0       | 24.0  |

Manual Integrations  
 APPROVED

mohammad  
 2/21/2017 3:58:02 PM



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

