

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\  
 Data File : BF095395.D  
 Acq On : 24 May 2017 18:27  
 Operator : SJ/MA  
 Sample : I3200-08MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

Manual Integrations  
 APPROVED

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 5/25/2017 6:00:22 PM

Quant Time: May 25 16:15:01 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 89548    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 9.77  | 136  | 349965   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 12.59 | 164  | 141152   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 15.01 | 188  | 206010   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 18.69 | 240  | 176481   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.36 | 264  | 127653   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.72  | 112 | 805128  | 149.90 | ng | -0.02 |
| 7) Phenol-d6             | 7.30  | 99  | 952146  | 147.75 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 8.66  | 82  | 557314  | 100.42 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.90 | 330 | 148732  | 128.66 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 11.54 | 172 | 1019136 | 103.92 | ng | -0.02 |
| 78) Terphenyl-d14        | 17.32 | 244 | 687132  | 85.76  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.21  | 88  | 96678  | 36.70 | ng | 93     |
| 3) Pyridine                    | 2.92  | 79  | 225186 | 36.88 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 2.85  | 42  | 93091  | 36.58 | ng | 88     |
| 6) Aniline                     | 7.26  | 93  | 249196 | 30.63 | ng | 94     |
| 8) 2-Chlorophenol              | 7.44  | 128 | 300818 | 49.21 | ng | 97     |
| 9) Benzaldehyde                | 7.08  | 77  | 97675  | 24.82 | ng | 98     |
| 10) Phenol                     | 7.32  | 94  | 381022 | 56.11 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.39  | 93  | 272440 | 48.60 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.65  | 146 | 323519 | 46.65 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.78  | 146 | 332187 | 47.23 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.01  | 146 | 309611 | 47.16 | ng | 97     |
| 15) Benzyl Alcohol             | 8.04  | 79  | 233228 | 56.27 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.24  | 45  | 357032 | 44.99 | ng | 94     |
| 17) 2-Methylphenol             | 8.25  | 107 | 243318 | 48.63 | ng | 97     |
| 18) Hexachloroethane           | 8.52  | 117 | 93444  | 39.22 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 8.46  | 70  | 203534 | 46.70 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.52  | 107 | 304978 | 44.86 | ng | # 59   |
| 22) Acetophenone               | 8.42  | 105 | 423611 | 50.45 | ng | # 84   |
| 24) Nitrobenzene               | 8.68  | 77  | 286079 | 49.18 | ng | 94     |
| 25) Isophorone                 | 9.08  | 82  | 501974 | 50.65 | ng | 96     |
| 26) 2-Nitrophenol              | 9.19  | 139 | 151533 | 48.28 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.33  | 122 | 250069 | 49.27 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.45  | 93  | 333928 | 48.71 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.63  | 162 | 226217 | 47.21 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.70  | 180 | 238823 | 46.52 | ng | 98     |
| 31) Naphthalene                | 9.80  | 128 | 860642 | 48.93 | ng | 99     |
| 33) 4-Chloroaniline            | 9.98  | 127 | 127128 | 19.39 | ng | # 91   |
| 34) Hexachlorobutadiene        | 10.01 | 225 | 120500 | 44.48 | ng | 98     |
| 35) Caprolactam                | 10.57 | 113 | 67393m | 46.84 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 10.82 | 107 | 232190 | 45.32 | ng | 91     |
| 37) 2-Methylnaphthalene        | 10.92 | 142 | 585062 | 50.68 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.21 | 216 | 215108 | 49.55 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 11.17 | 237 | 3151   | 7.65  | ng | 85     |
| 42) 2,4,6-Trichlorophenol      | 11.43 | 196 | 144377 | 49.82 | ng | 98     |

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Manual Integrations  
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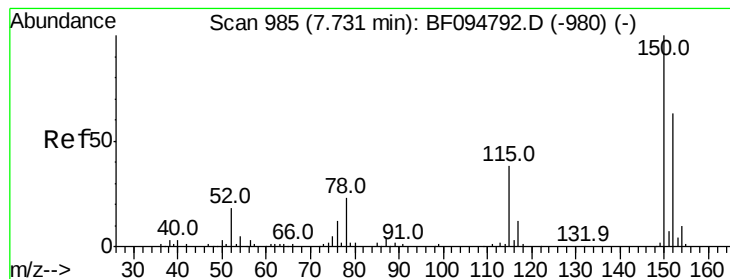
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 5/25/2017 6:00:22 PM

Quant Time: May 25 16:15:01 2017  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 11.54 | 196  | 130895   | 42.02  | nq    | 94       |
| 45) 1,1'-Biphenyl              | 11.69 | 154  | 617323   | 51.94  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 11.71 | 162  | 469578   | 48.94  | nq    | 96       |
| 47) 2-Nitroaniline             | 11.94 | 65   | 127218   | 48.44  | nq    | # 79     |
| 48) Acenaphthylene             | 12.37 | 152  | 798324   | 53.11  | nq    | 99       |
| 49) Dimethylphthalate          | 12.24 | 163  | 760756   | 65.65  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 12.34 | 165  | 112981   | 47.79  | nq    | # 92     |
| 51) Acenaphthene               | 12.65 | 154  | 447548   | 49.85  | nq    | 97       |
| 52) 3-Nitroaniline             | 12.62 | 138  | 90565    | 35.69  | nq    | 85       |
| 54) Dibenzofuran               | 12.94 | 168  | 656026   | 52.81  | nq    | 98       |
| 55) 4-Nitrophenol              | 13.04 | 139  | 107705   | 70.67  | nq    | # 78     |
| 56) 2,4-Dinitrotoluene         | 13.02 | 165  | 135255   | 44.52  | nq    | # 93     |
| 57) Fluorene                   | 13.49 | 166  | 514121   | 47.59  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.19 | 232  | 89045    | 45.42  | nq    | 93       |
| 59) Diethylphthalate           | 13.39 | 149  | 498976   | 44.93  | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.52 | 204  | 213262   | 44.92  | nq    | 89       |
| 61) 4-Nitroaniline             | 13.62 | 138  | 79438    | 34.10  | nq    | 97       |
| 62) Azobenzene                 | 13.78 | 77   | 433237   | 48.54  | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 13.71 | 198  | 7322     | 5.30   | nq    | # 1      |
| 65) n-Nitrosodiphenylamine     | 13.72 | 169  | 395874   | 52.95  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.30 | 248  | 112874   | 51.86  | nq    | 98       |
| 67) Hexachlorobenzene          | 14.39 | 284  | 100435   | 45.03  | nq    | # 84     |
| 68) Atrazine                   | 14.65 | 200  | 111426   | 52.78  | nq    | 97       |
| 69) Pentachlorophenol          | 14.76 | 266  | 65893    | 66.41  | nq    | 93       |
| 70) Phenanthrene               | 15.05 | 178  | 1245174  | 105.20 | nq    | 98       |
| 71) Anthracene                 | 15.12 | 178  | 740442   | 61.24  | nq    | 98       |
| 72) Carbazole                  | 15.41 | 167  | 590005   | 53.63  | nq    | 98       |
| 73) Di-n-butylphthalate        | 15.97 | 149  | 669581   | 48.81  | nq    | 99       |
| 74) Fluoranthene               | 16.79 | 202  | 1613069  | 132.85 | nq    | 99       |
| 76) Benzidine                  | 17.03 | 184  | 24701    | 11.05  | nq    | # 96     |
| 77) Pyrene                     | 17.10 | 202  | 1643069  | 124.49 | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.98 | 149  | 288056   | 46.92  | nq    | 88       |
| 80) Benzo(a)anthracene         | 18.68 | 228  | 1005727  | 97.92  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.65 | 252  | 106380   | 29.99  | nq    | 98       |
| 82) Chrysene                   | 18.72 | 228  | 907744   | 91.40  | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.73 | 149  | 414683   | 47.41  | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 19.50 | 149  | 695843   | 48.52  | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.70 | 276  | 476549   | 59.09  | nq    | 98       |
| 87) Benzo(b)fluoranthene       | 19.96 | 252  | 844696   | 107.09 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 19.98 | 252  | 473396   | 62.22  | nq    | 96       |
| 89) Benzo(a)pyrene             | 20.31 | 252  | 626208   | 86.03  | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 21.70 | 278  | 301398   | 50.14  | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 22.08 | 276  | 465046   | 78.84  | nq    | 98       |

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





#1

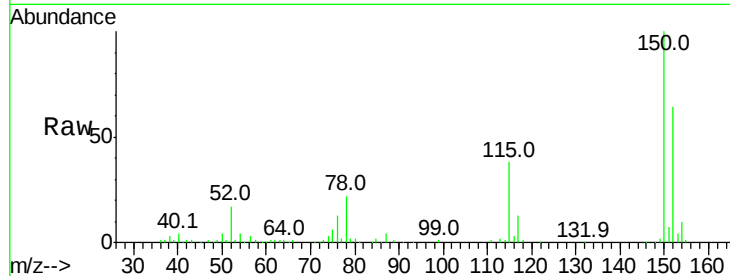
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.75 min Scan# 988  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

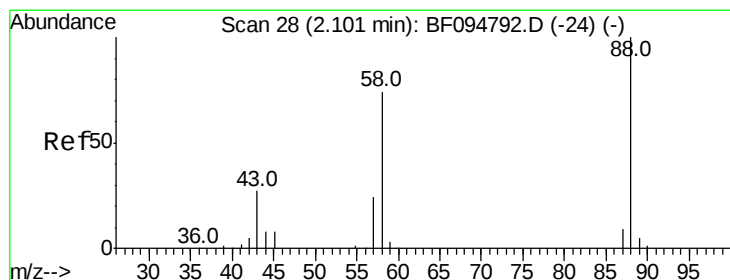
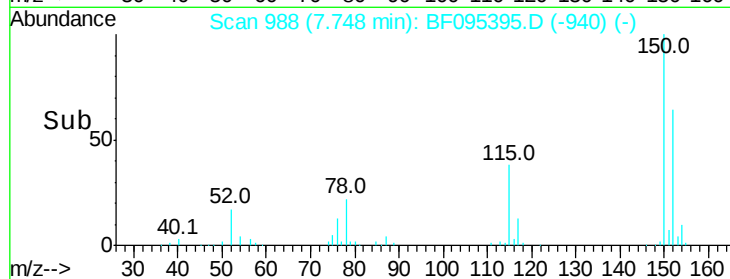
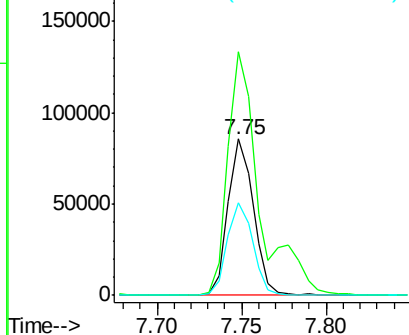
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 126.2 | 189.2 |
| 115     | 59.5  | 52.2  | 78.2  |

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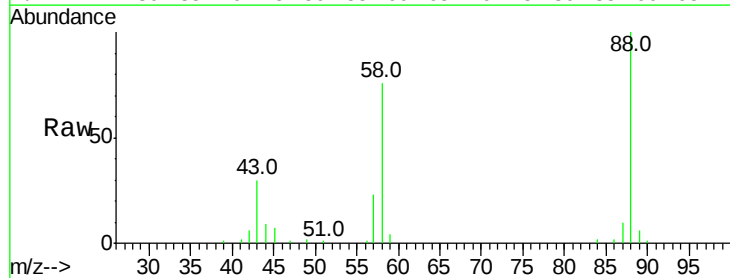
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Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



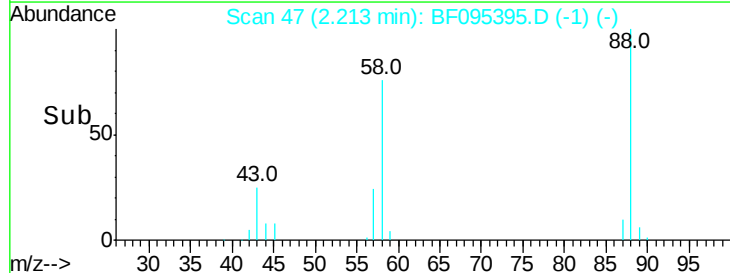
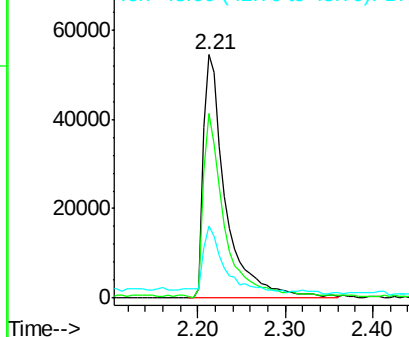
#2

1,4-Dioxane  
Concen: 36.70 ng  
RT: 2.21 min Scan# 47  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.7  | 61.4  | 92.0  |
| 43      | 25.2  | 23.4  | 35.0  |



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 36.88 ng

RT: 2.92 min Scan# 168

Delta R.T. -0.00 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

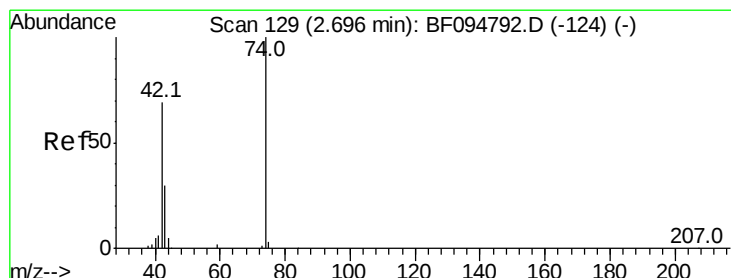
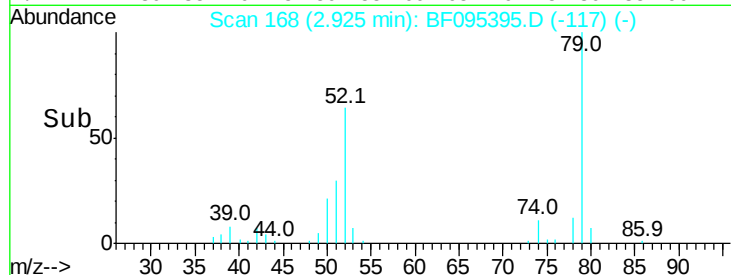
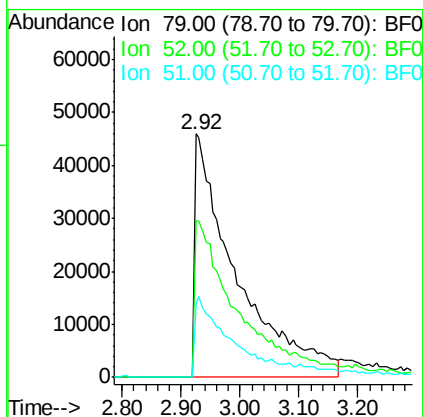
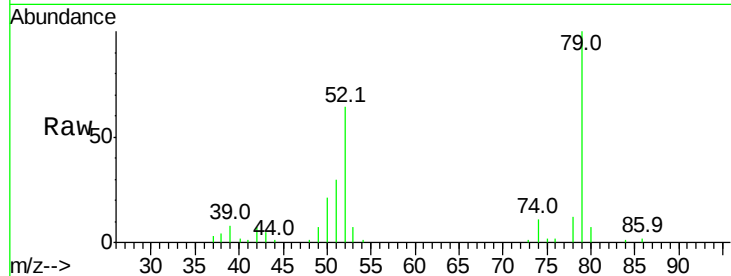
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 225186 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 64.3  | 54.8  | 82.2   |
| 51        | 30.2  | 27.0  | 40.4   |

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#4

n-Nitrosodimethylamine

Concen: 36.58 ng

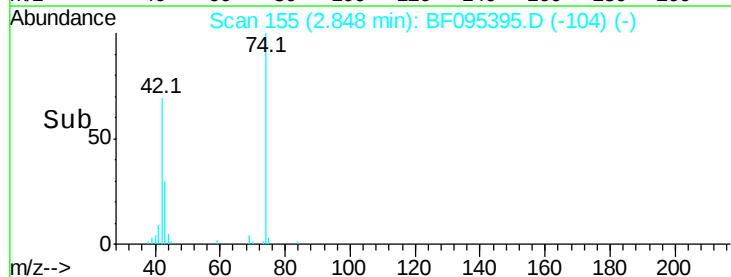
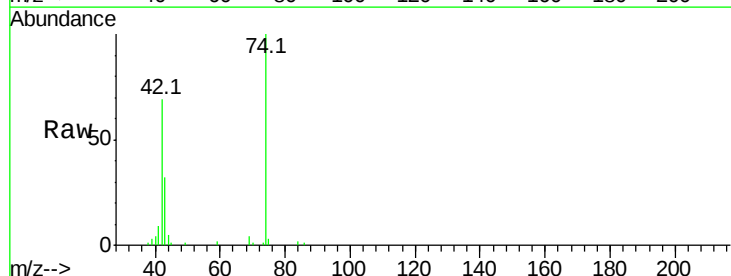
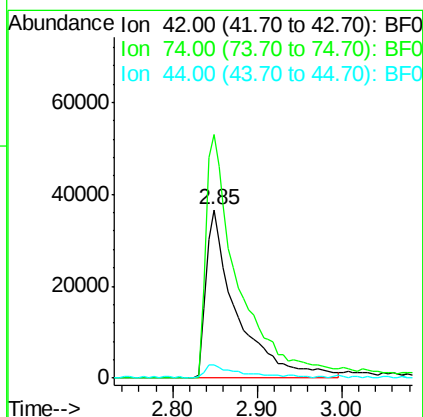
RT: 2.85 min Scan# 155

Delta R.T. -0.00 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 93091 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 144.3 | 103.9 | 155.9 |
| 44        | 7.5   | 5.7   | 8.5   |





#5

2-Fluorophenol

Concen: 149.90 ng

RT: 5.72 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

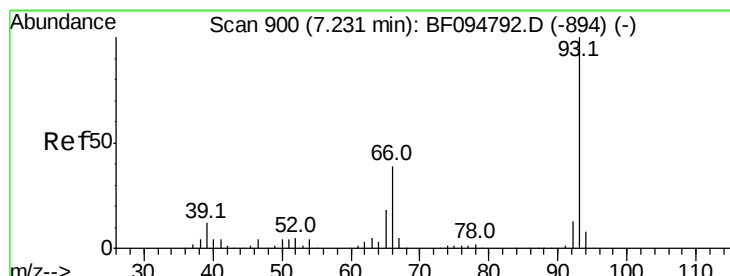
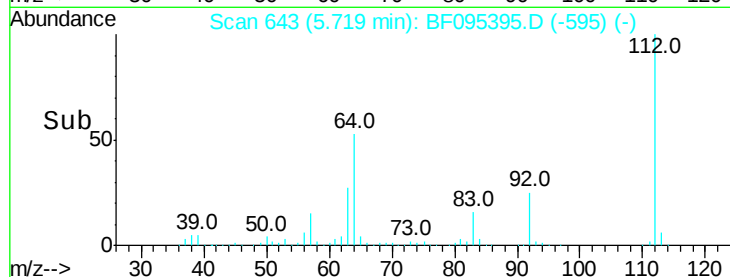
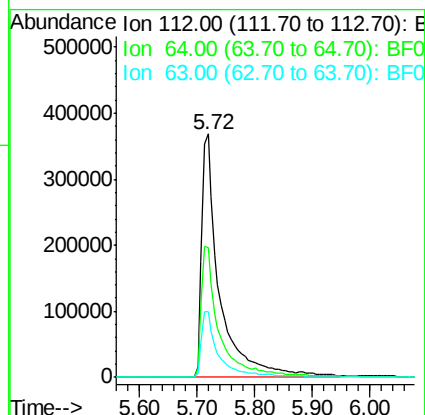
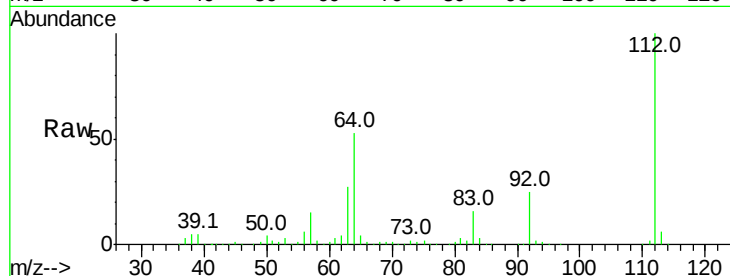
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 805128 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 53.4  | 46.0  | 69.0   |
| 63        | 26.8  | 23.4  | 35.0   |

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#6

Aniline

Concen: 30.63 ng

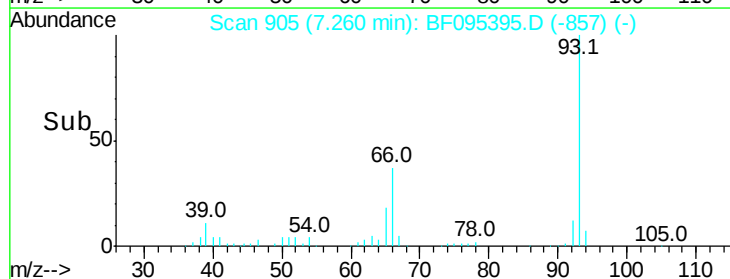
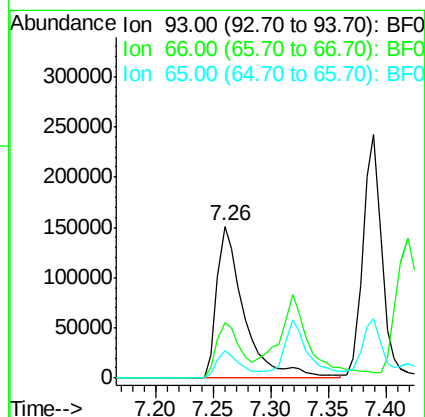
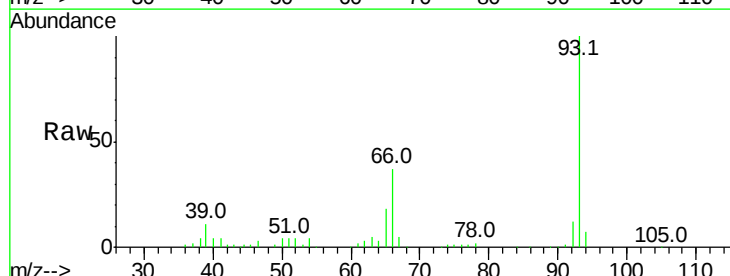
RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 249196 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 37.0  | 32.9  | 49.3   |
| 65        | 18.0  | 16.0  | 24.0   |





#7

Phenol-d6

Concen: 147.75 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

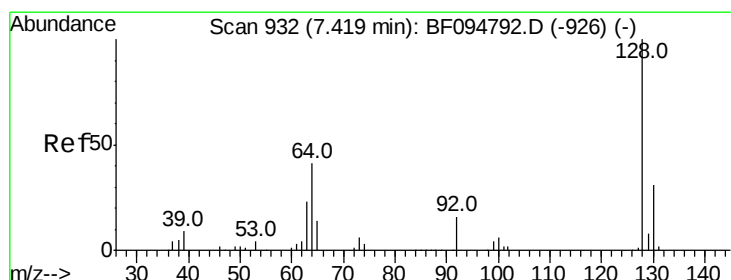
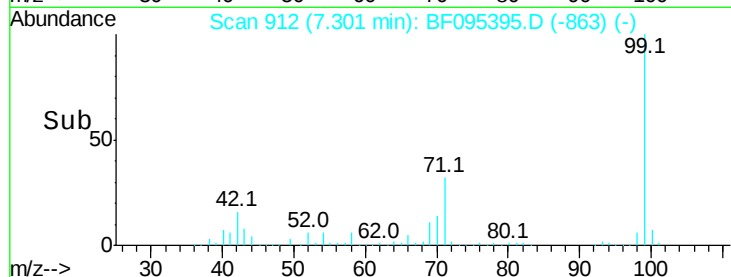
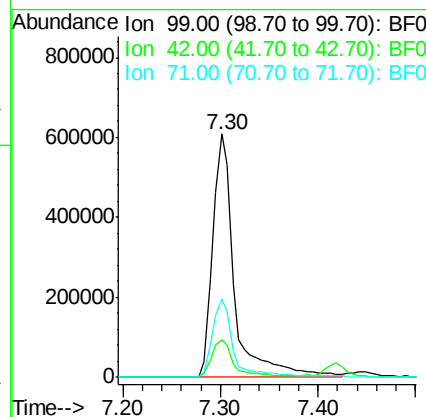
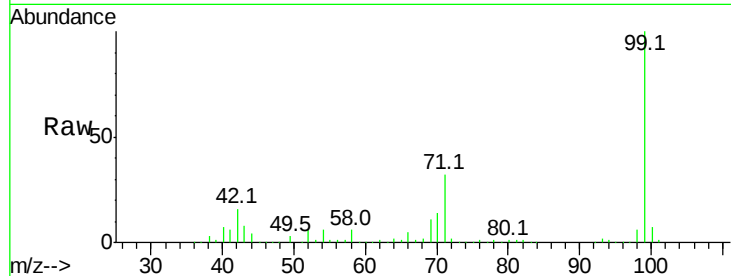
ClientSampleId :

POST-EX-38-20170517MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 952146 |       |       |
| 42      | 15.6 | 13.5  | 20.3   |       |       |
| 71      | 32.2 | 24.5  | 36.7   |       |       |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 49.21 ng

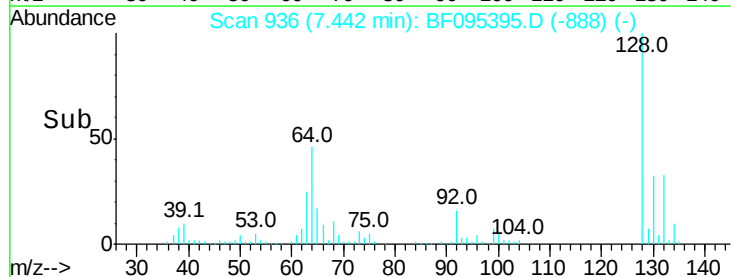
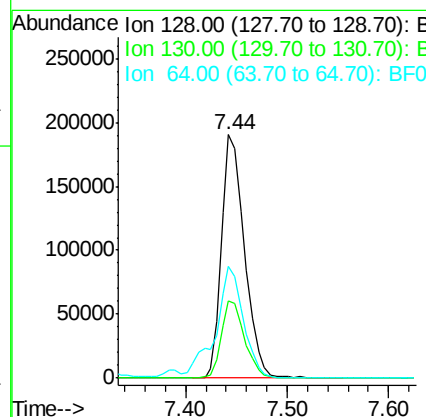
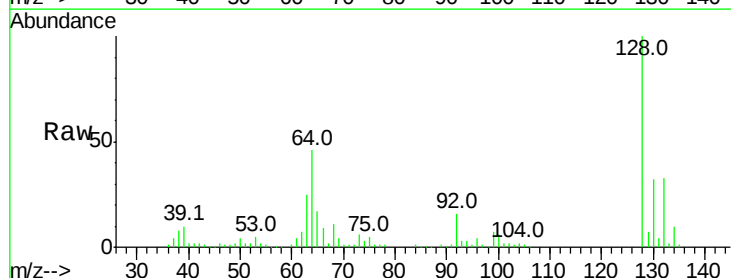
RT: 7.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 300818 |       |       |
| 130     | 31.5 | 12.9  | 52.9   |       |       |
| 64      | 45.9 | 28.4  | 68.4   |       |       |





#9

Benzaldehyde

Concen: 24.82 ng

RT: 7.08 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

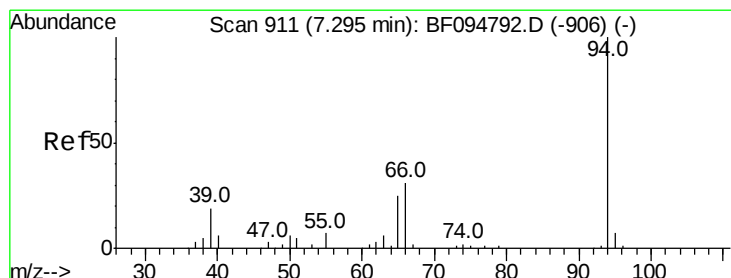
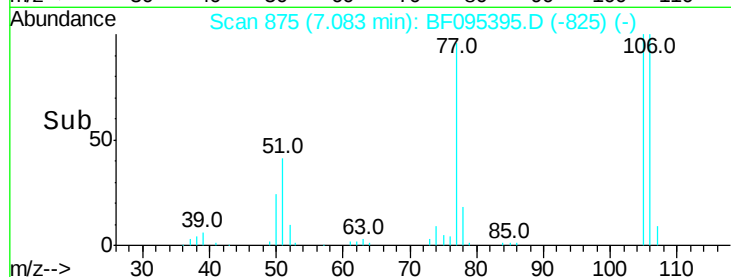
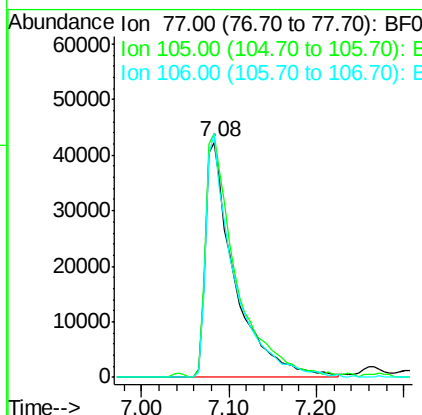
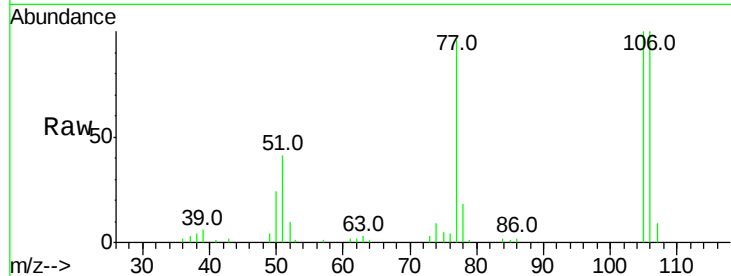
ClientSampleId :

POST-EX-38-20170517MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 97675 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 103.7 | 83.8  | 123.8 |
| 106      | 103.5 | 79.1  | 119.1 |

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#10

Phenol

Concen: 56.11 ng

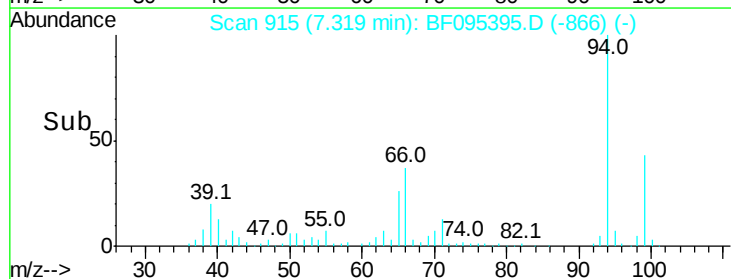
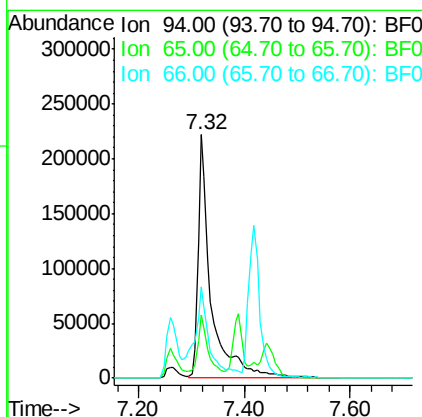
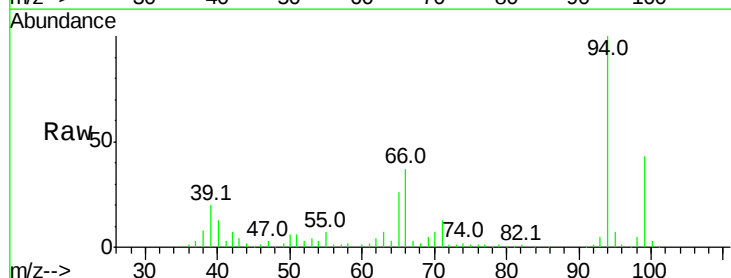
RT: 7.32 min Scan# 915

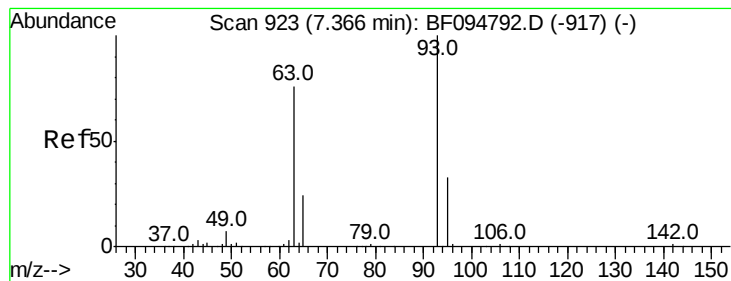
Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 381022 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 25.8  | 9.9   | 49.9   |
| 66       | 37.4  | 23.1  | 63.1   |





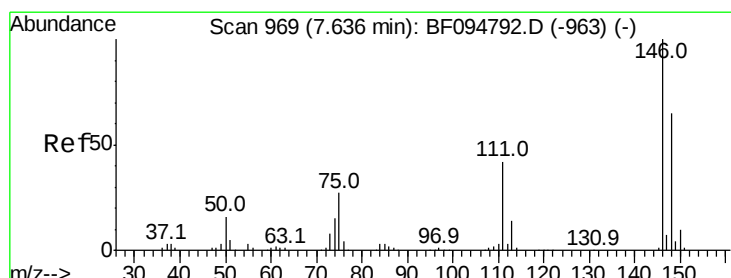
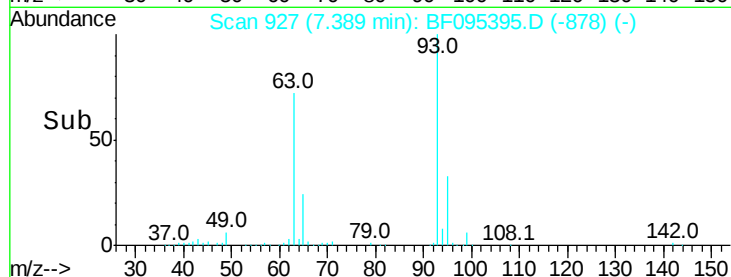
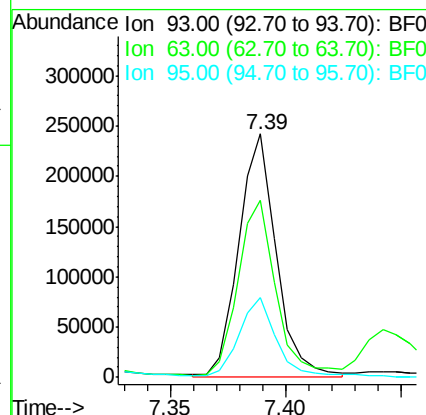
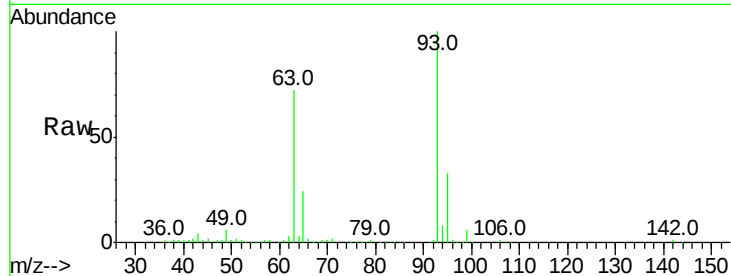
#11  
bis(2-Chloroethyl)ether  
Concen: 48.60 ng  
RT: 7.39 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 72.5  | 59.2  | 99.2  |
| 95      | 32.6  | 12.8  | 52.8  |

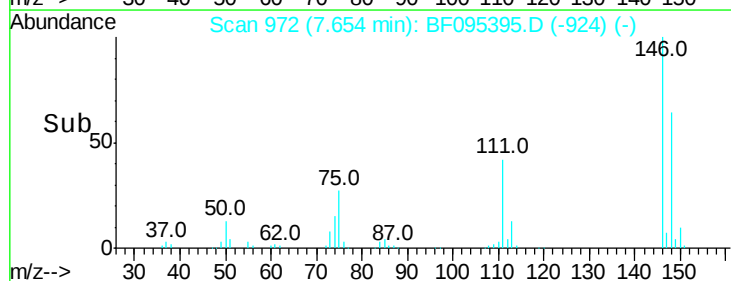
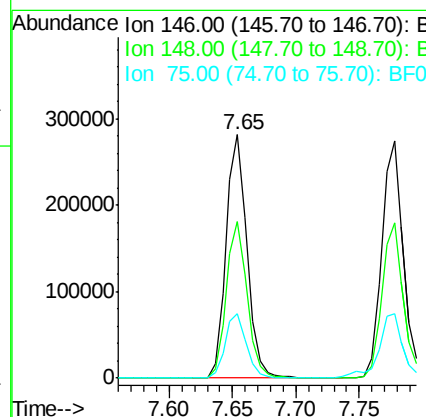
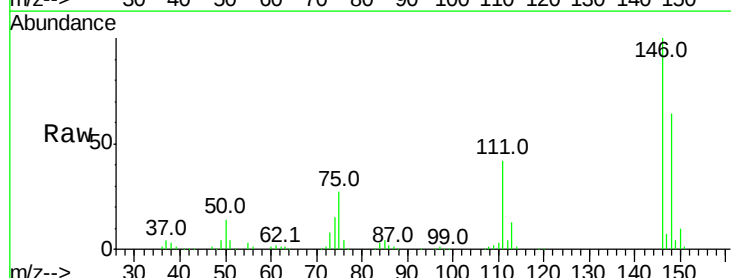
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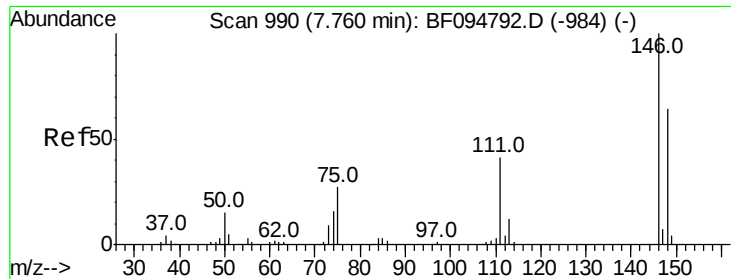
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 46.65 ng  
RT: 7.65 min Scan# 972  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 51.8  | 77.6  |
| 75      | 26.7  | 23.1  | 34.7  |





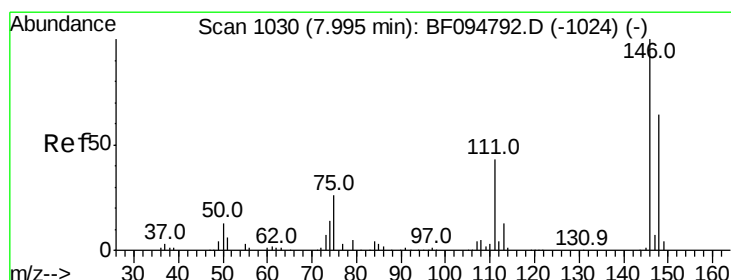
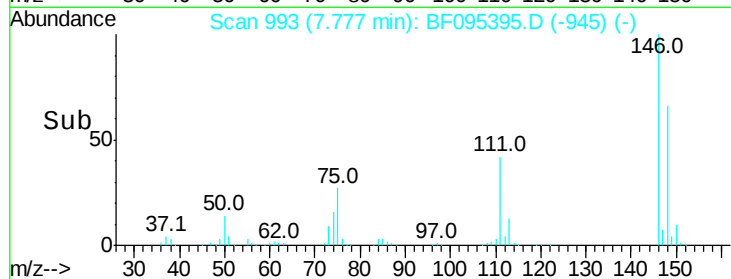
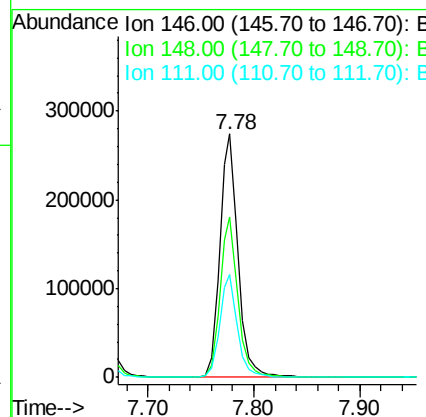
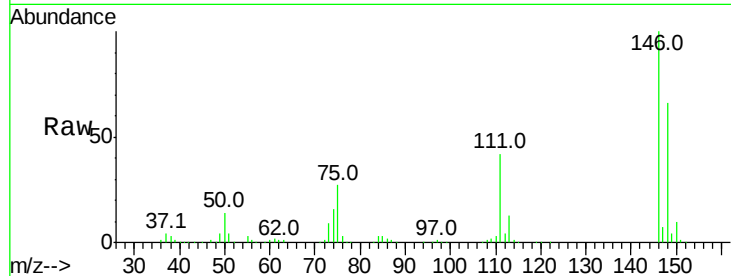
#13  
 1,4-Dichlorobenzene  
 Concen: 47.23 ng  
 RT: 7.78 min Scan# 993  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.7  | 52.2  | 78.2  |
| 111     | 42.4  | 30.3  | 45.5  |

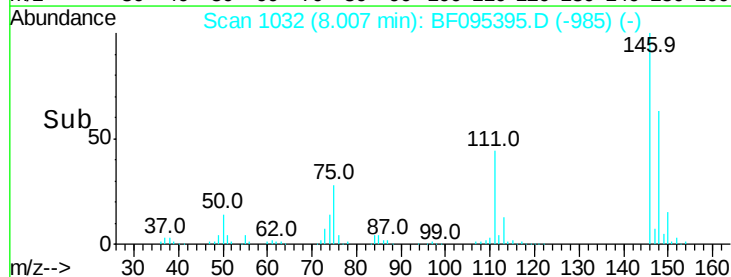
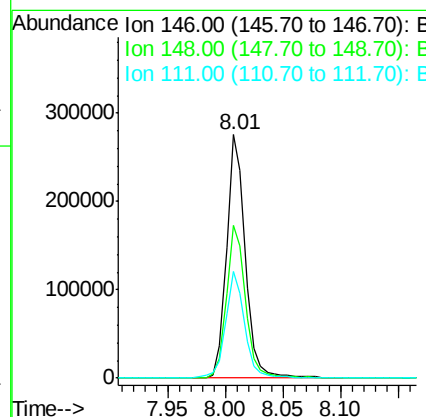
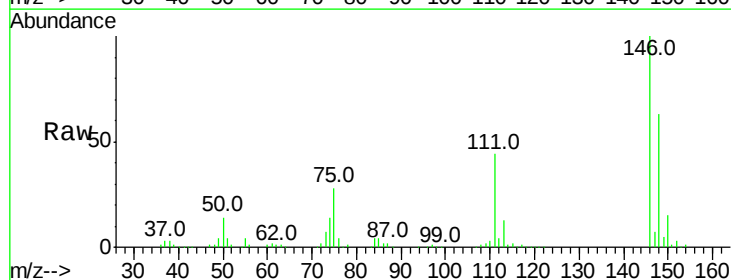
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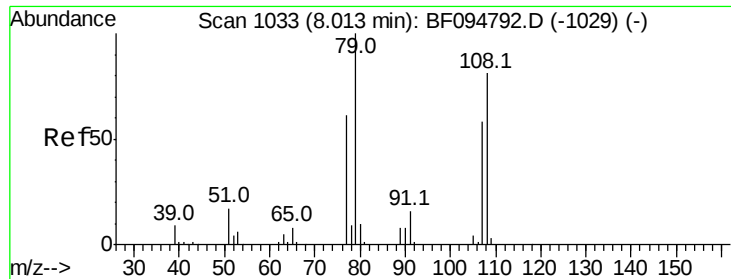
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 47.16 ng  
 RT: 8.01 min Scan# 1032  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 50.4  | 75.6  |
| 111     | 43.8  | 38.2  | 57.4  |





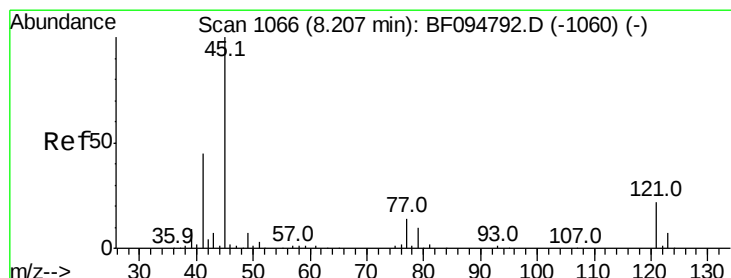
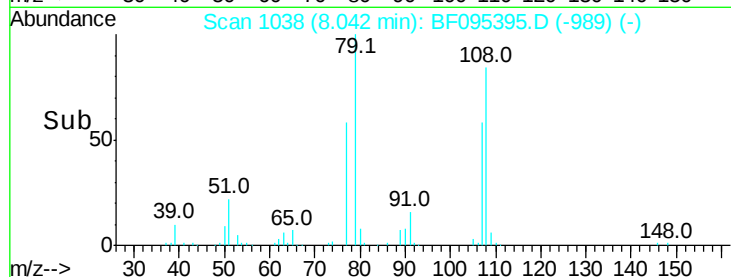
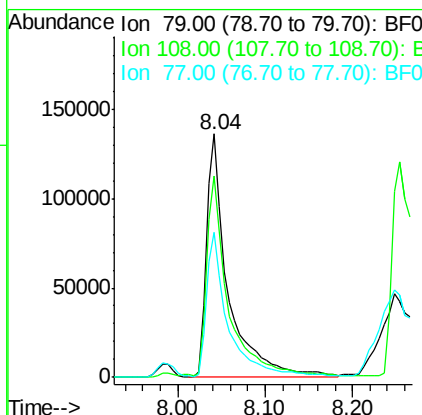
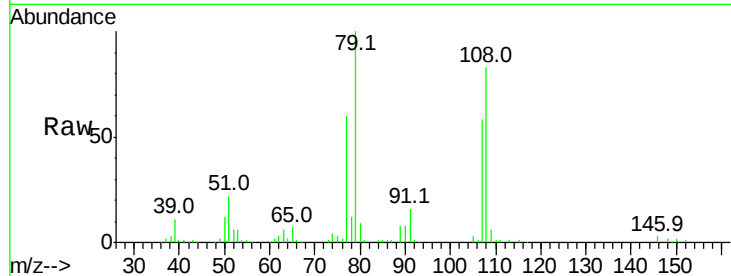
#15  
Benzyl Alcohol  
Concen: 56.27 ng  
RT: 8.04 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 82.8  | 63.4  | 95.0  |
| 77      | 59.5  | 49.2  | 73.8  |

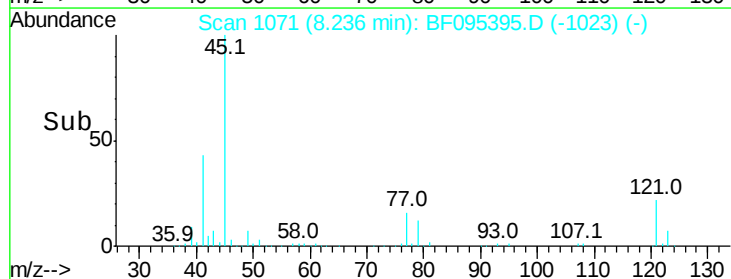
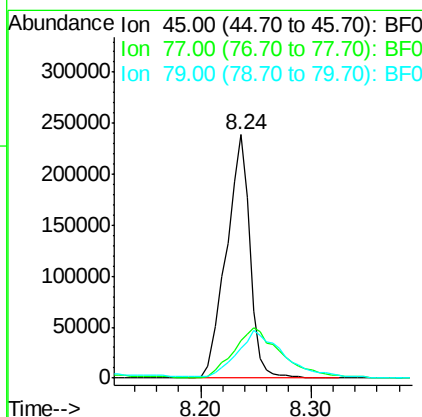
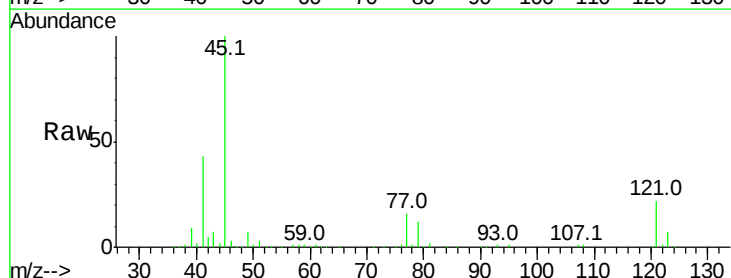
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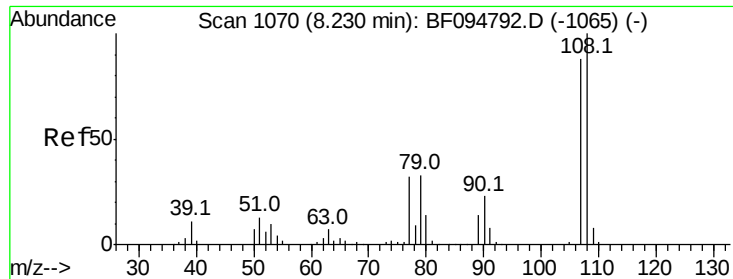
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 44.99 ng  
RT: 8.24 min Scan# 1071  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.5  | 0.0   | 33.2  |
| 79      | 12.5  | 0.0   | 30.0  |





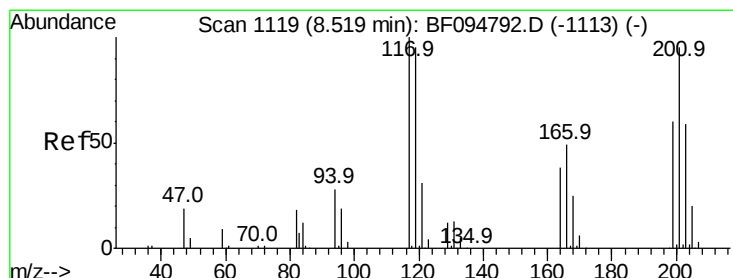
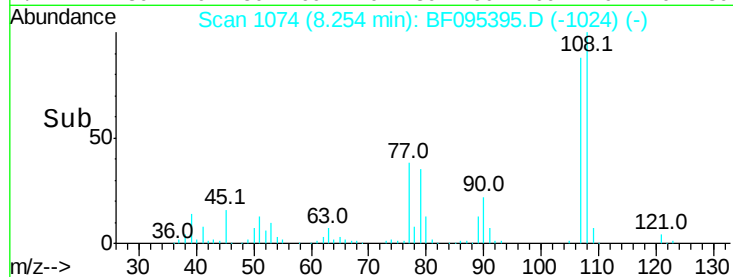
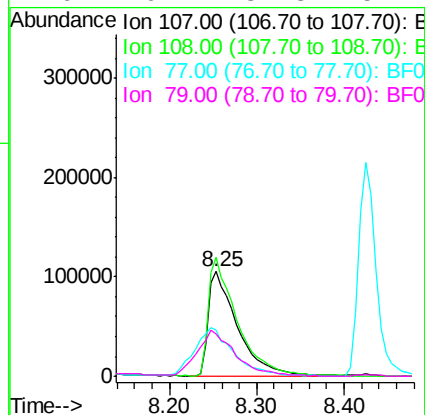
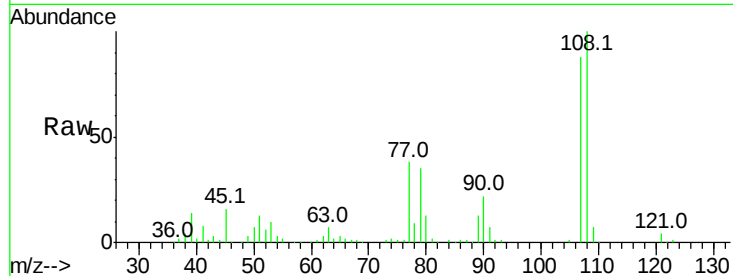
#17  
2-Methylphenol  
Concen: 48.63 ng  
RT: 8.25 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 107     | 107 | 100   | 243318 |       |       |
| 108     | 108 | 114.1 | 93.4   | 140.0 |       |
| 77      | 77  | 43.6  | 35.8   | 53.6  |       |
| 79      | 79  | 40.2  | 34.8   | 52.2  |       |

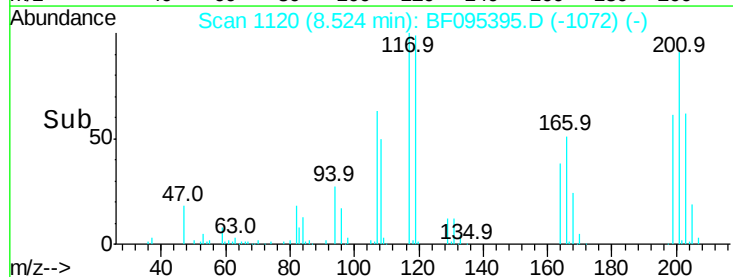
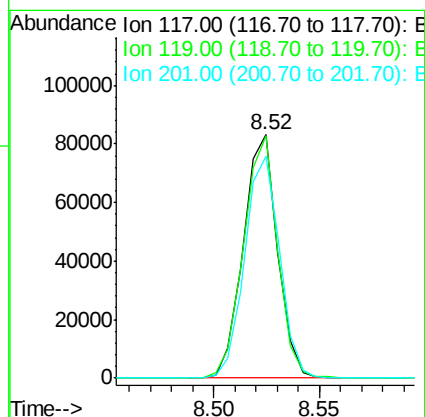
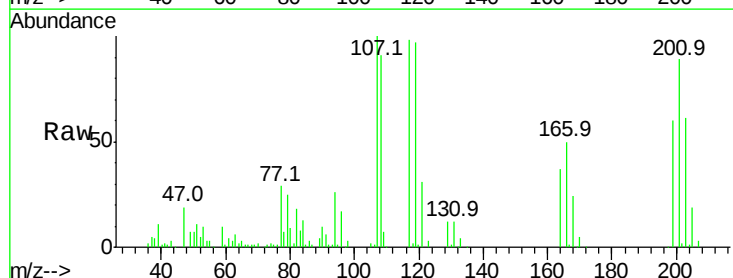
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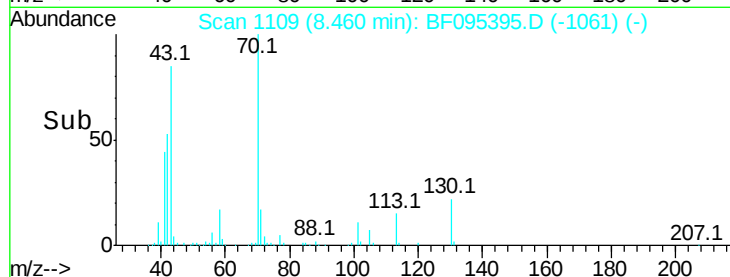
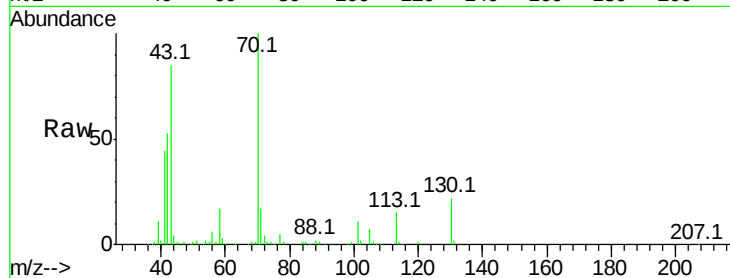
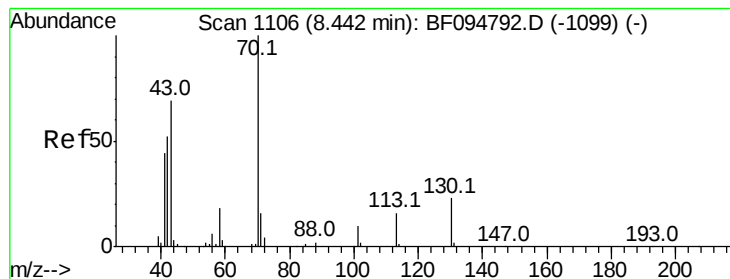
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#18  
Hexachloroethane  
Concen: 39.22 ng  
RT: 8.52 min Scan# 1120  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ion | Ratio | Resp  | Lower  | Upper |
|---------|-----|-------|-------|--------|-------|
| 117     | 117 | 100   | 93444 |        |       |
| 119     | 119 | 99.3  | 77.4  | 116.0  |       |
| 201     | 201 | 91.3  | 94.6  | 141.8# |       |





#19

n-Nitroso-di-n-propylamine

Concen: 46.70 ng

RT: 8.46 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

POST-EX-38-20170517MSD

Tot Ion: 70 Resp: 203534

Ion Ratio Lower Upper

70 100

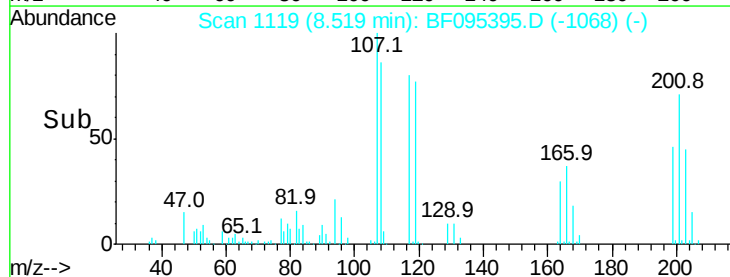
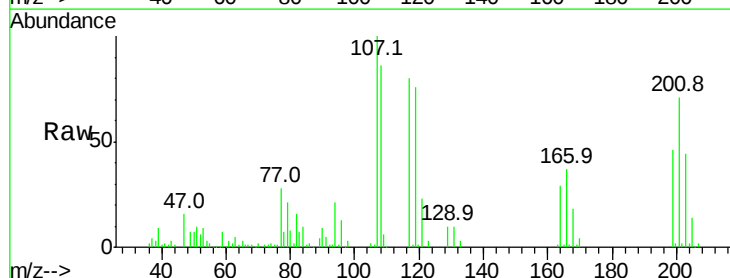
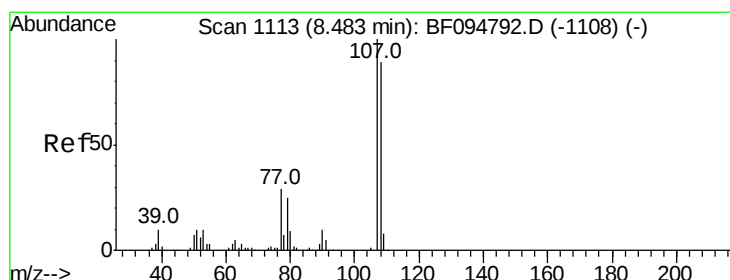
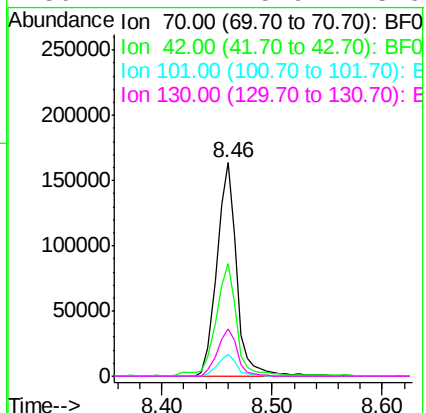
42 53.0 47.2 70.8

101 10.5 7.2 10.8

130 22.2 15.9 23.9

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#20

3+4-Methylphenols

Concen: 44.86 ng

RT: 8.52 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Tgt Ion: 107 Resp: 304978

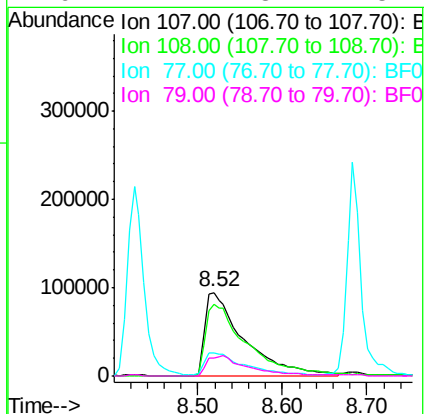
Ion Ratio Lower Upper

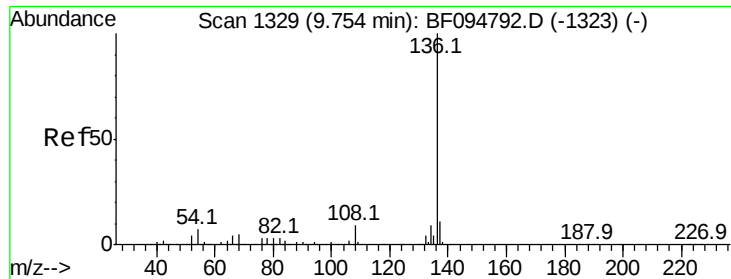
107 100

108 86.3 71.0 111.0

77 27.5 90.5 130.5

79 21.2 8.4 48.4





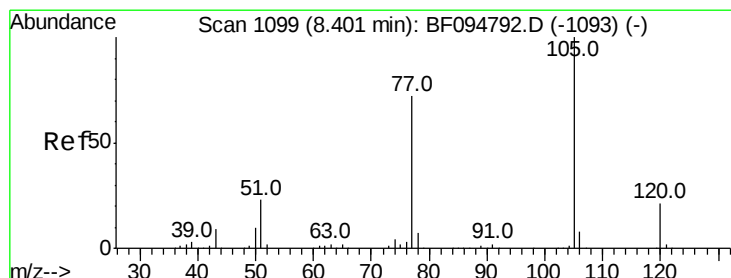
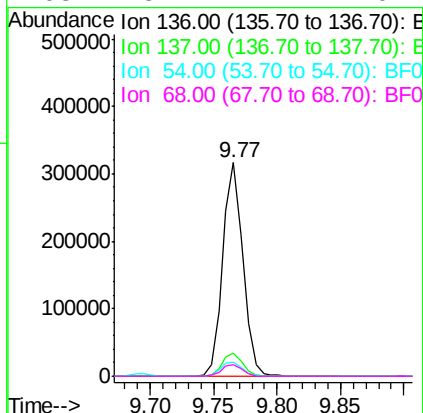
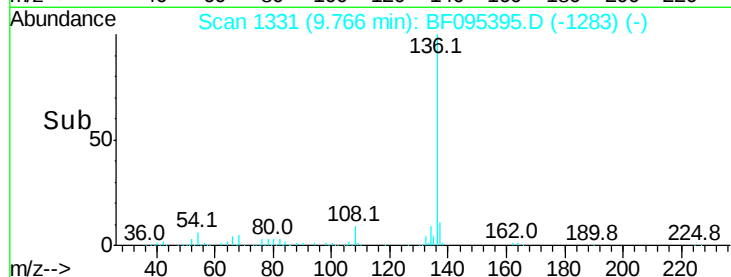
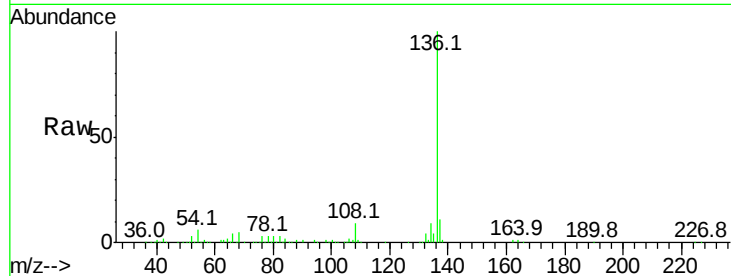
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.77 min Scan# 1331  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.5  | 12.7  |       |
| 54      | 6.4   | 4.9  | 7.3   |       |
| 68      | 5.2   | 4.1  | 6.1   |       |

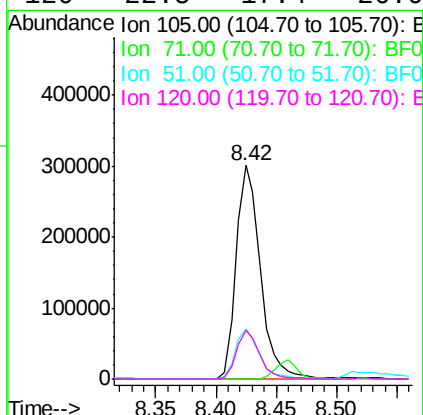
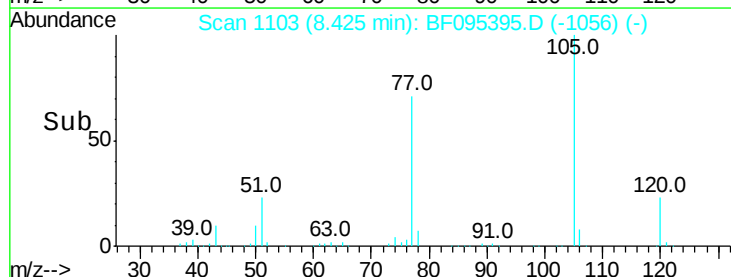
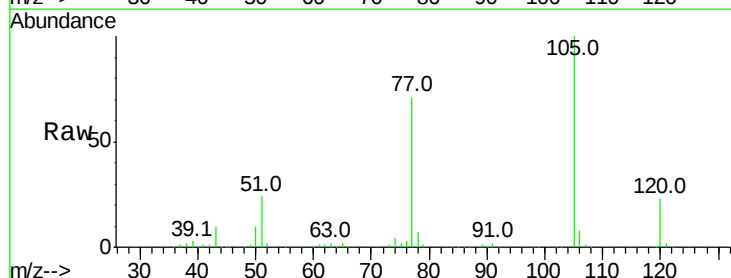
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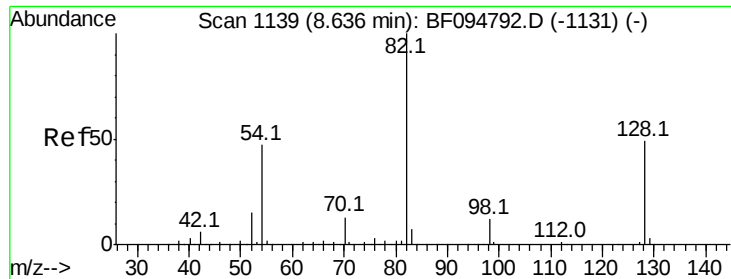
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#22  
Acetophenone  
Concen: 50.45 ng  
RT: 8.42 min Scan# 1103  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 0.0   | 2.8  | 4.2#  |       |
| 51      | 23.5  | 30.7 | 46.1# |       |
| 120     | 22.5  | 17.4 | 26.0  |       |





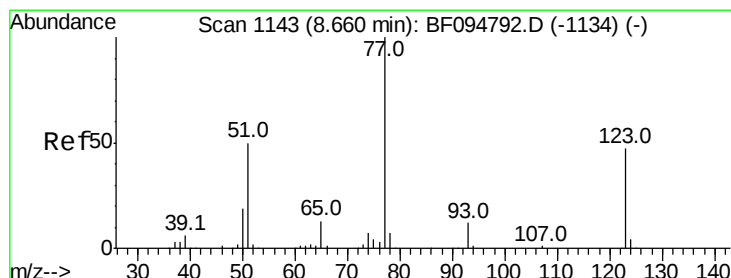
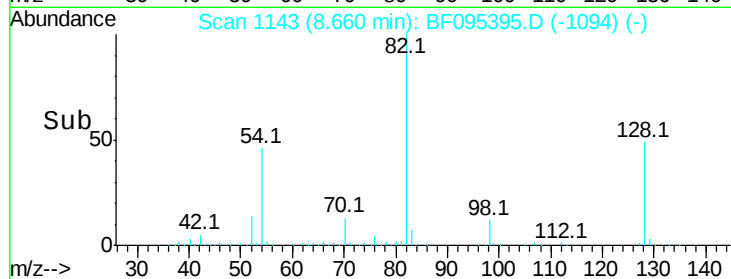
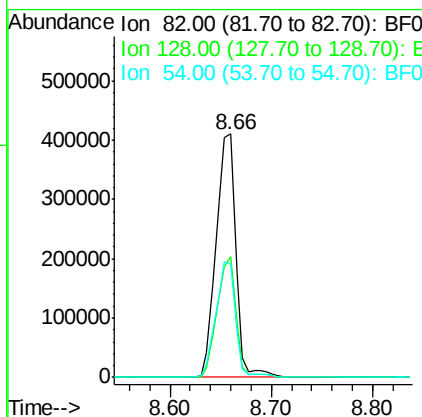
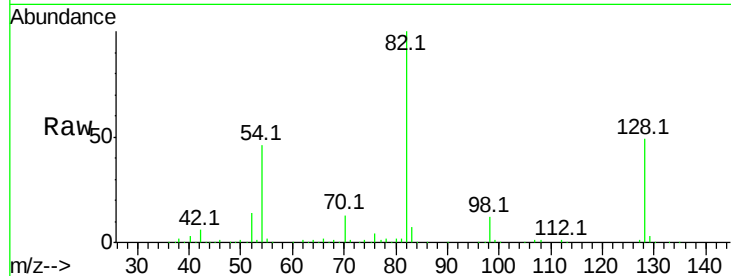
#23  
 Nitrobenzene-d5  
 Concen: 100.42 ng  
 RT: 8.66 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 49.3  | 34.0 | 51.0  |       |
| 54      | 46.2  | 42.2 | 63.2  |       |

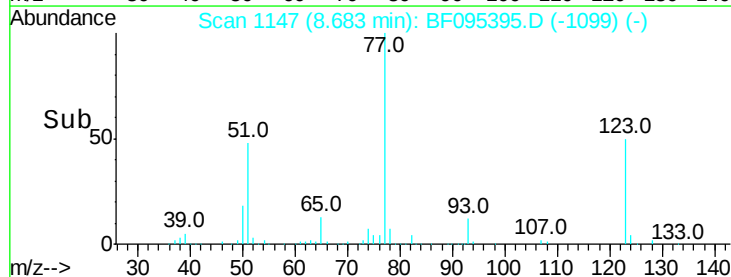
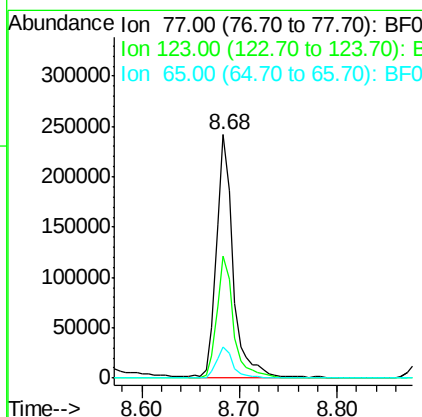
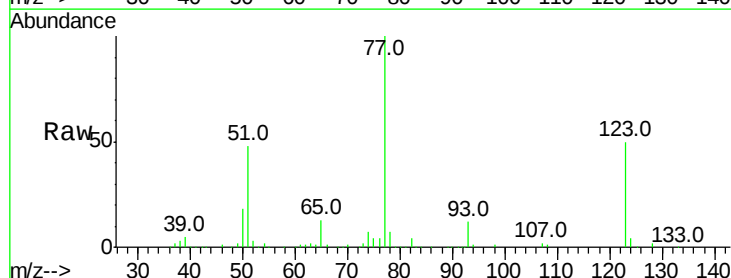
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#24  
 Nitrobenzene  
 Concen: 49.18 ng  
 RT: 8.68 min Scan# 1147  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 50.1  | 35.8 | 53.8  |       |
| 65      | 12.8  | 10.6 | 15.8  |       |





#25

Isophorone

Concen: 50.65 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

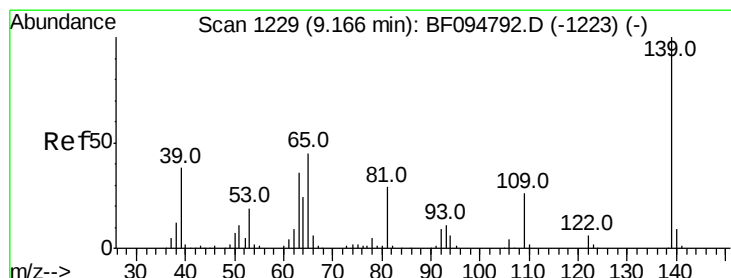
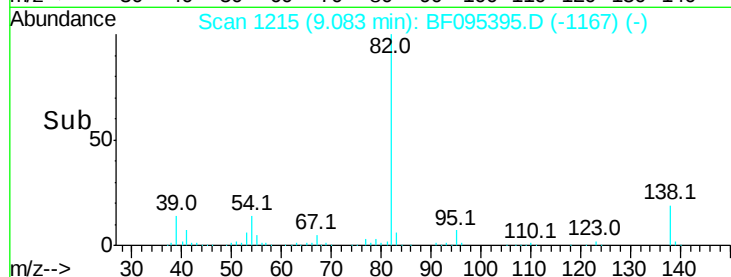
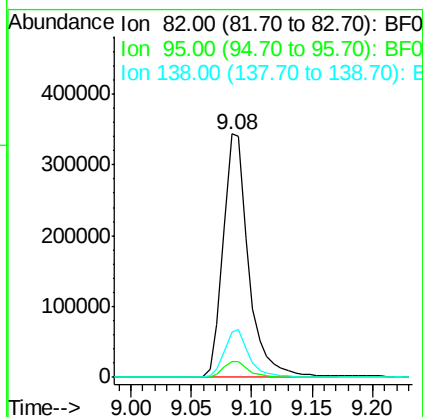
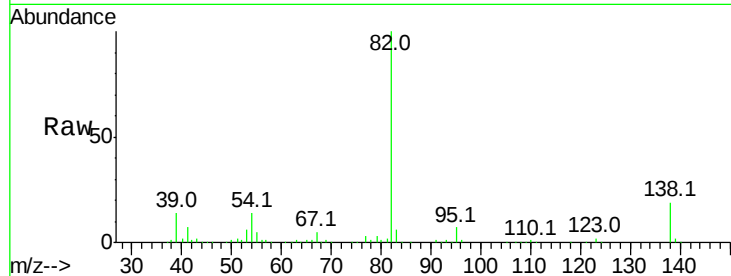
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 501974 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.5   | 5.3   | 7.9    |
| 138       | 18.6  | 13.1  | 19.7   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 48.28 ng

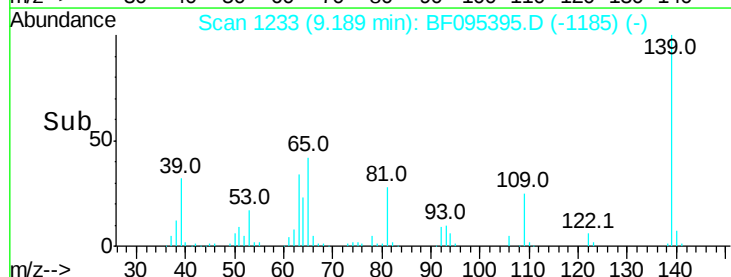
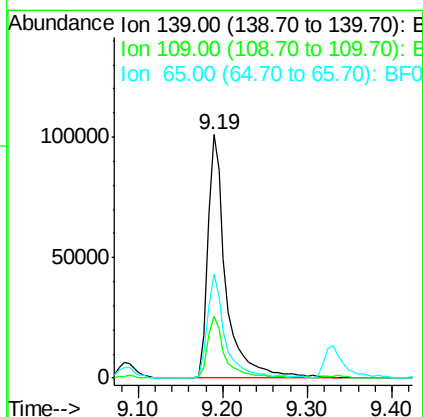
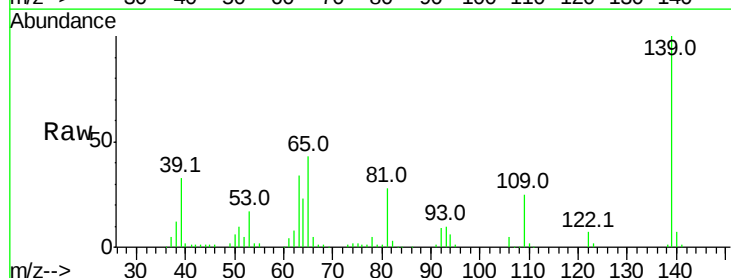
RT: 9.19 min Scan# 1233

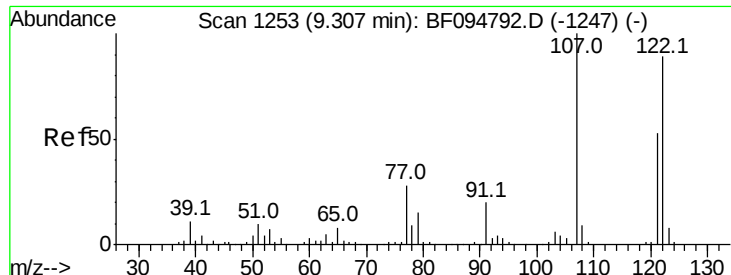
Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 151533 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 25.2  | 21.0  | 31.6   |
| 65        | 42.9  | 33.0  | 49.6   |





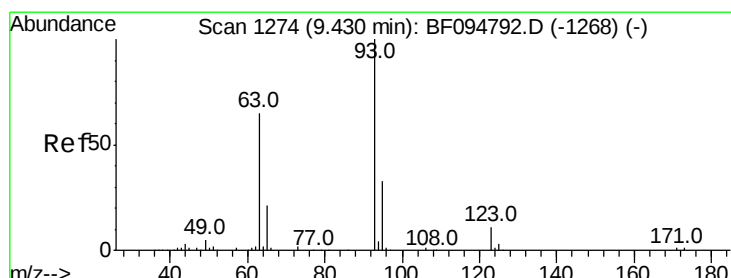
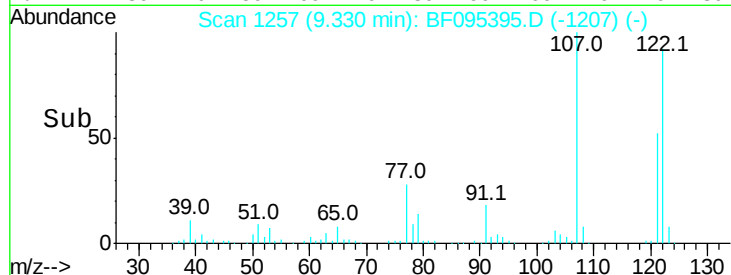
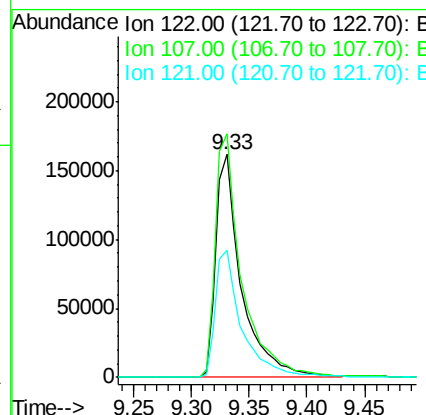
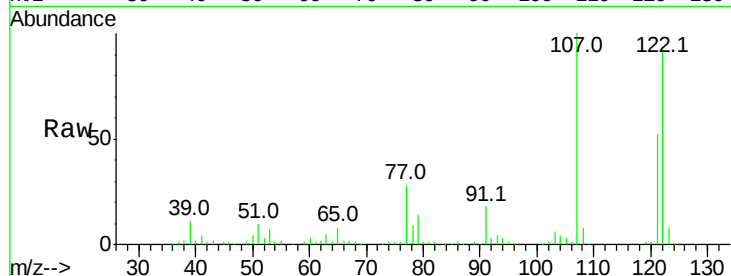
#27  
 2,4-Dimethylphenol  
 Concen: 49.27 ng  
 RT: 9.33 min Scan# 1257  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 250069 |       |       |
| 107     | 109.3 |        | 89.2  | 133.8 |
| 121     | 57.2  |        | 45.2  | 67.8  |

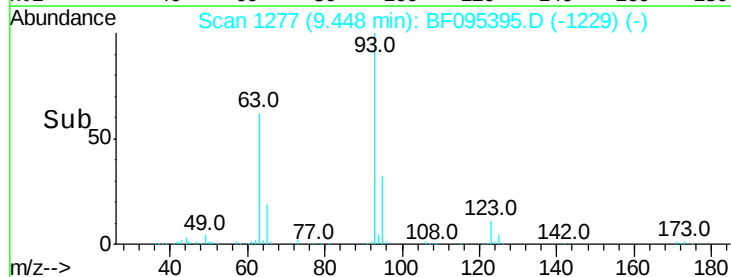
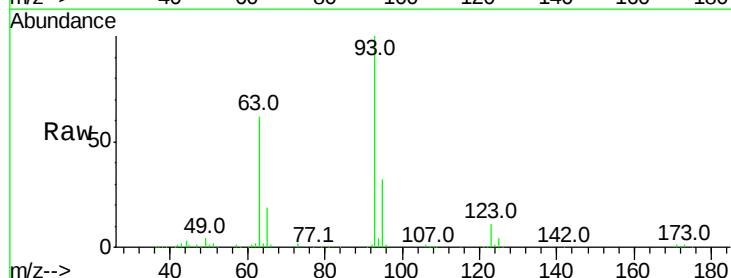
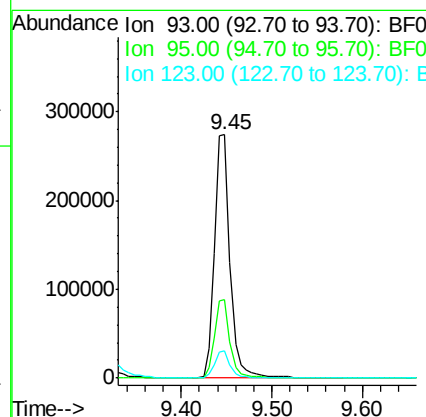
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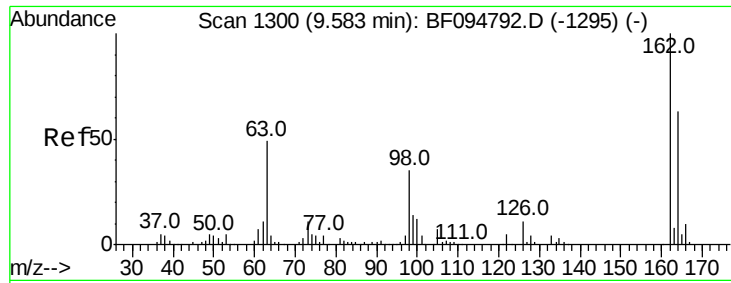
mohammad  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 48.71 ng  
 RT: 9.45 min Scan# 1277  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 333928 |       |       |
| 95      | 32.2  |        | 26.5  | 39.7  |
| 123     | 11.5  |        | 9.0   | 13.4  |





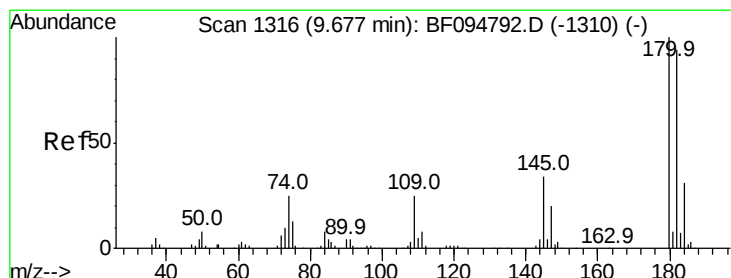
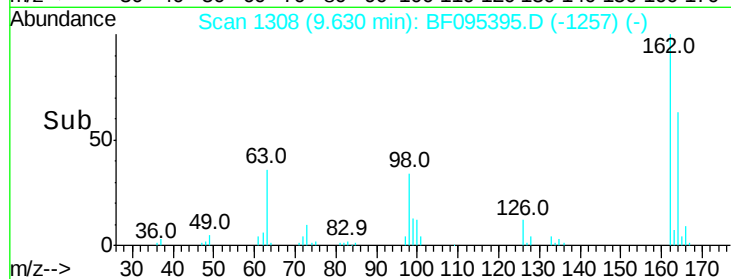
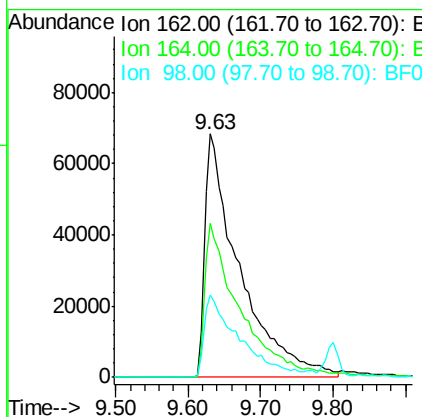
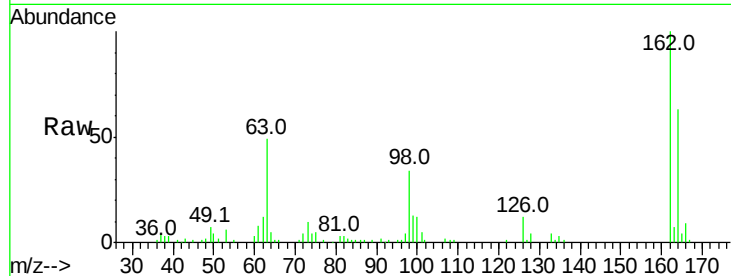
#29  
 2,4-Dichlorophenol  
 Concen: 47.21 ng  
 RT: 9.63 min Scan# 1308  
 Delta R.T. -0.00 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 226217 |       |       |
| 164     | 63.2  |        | 44.6  | 84.6  |
| 98      | 34.0  |        | 14.8  | 54.8  |

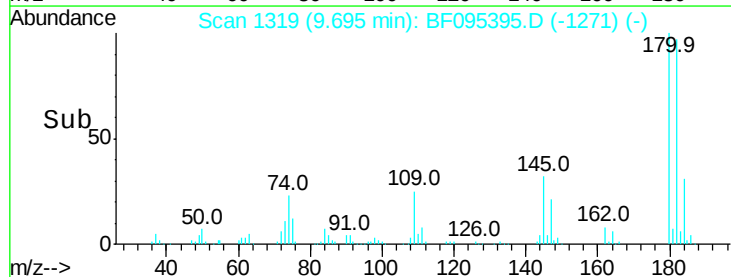
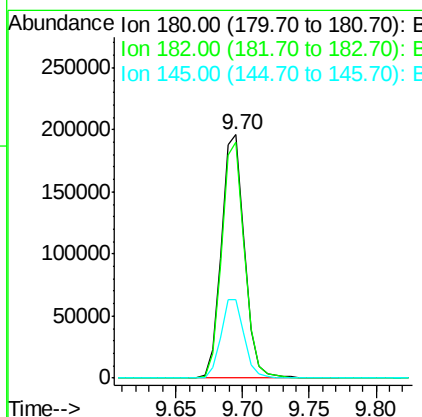
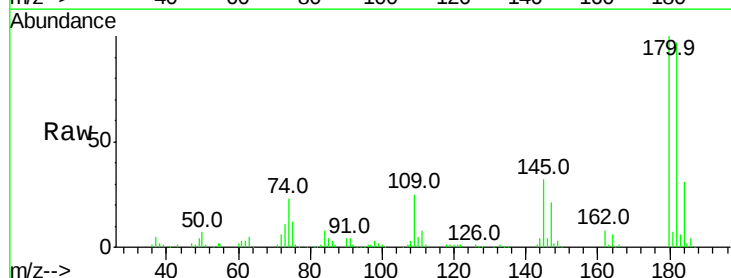
Manual Integrations  
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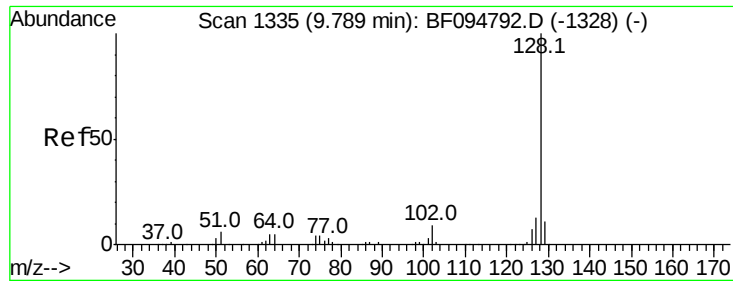
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 46.52 ng  
 RT: 9.70 min Scan# 1319  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 238823 |       |       |
| 182     | 96.8  |        | 75.8  | 113.6 |
| 145     | 32.1  |        | 25.3  | 37.9  |





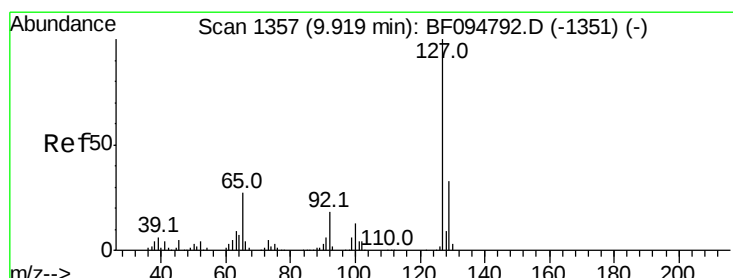
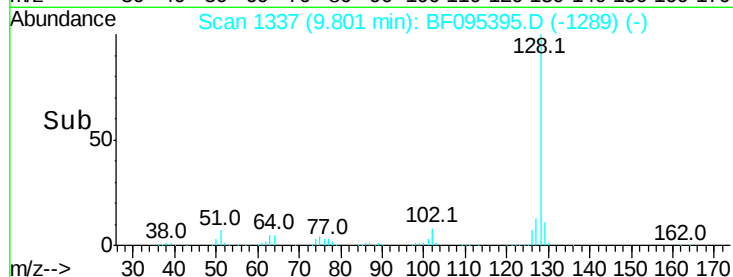
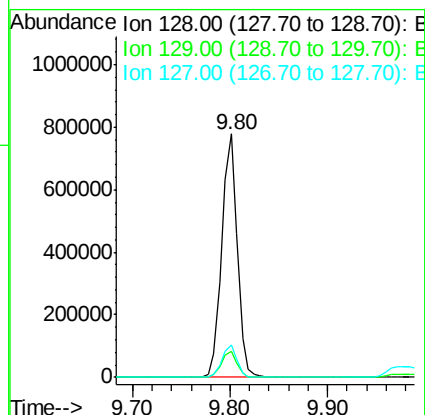
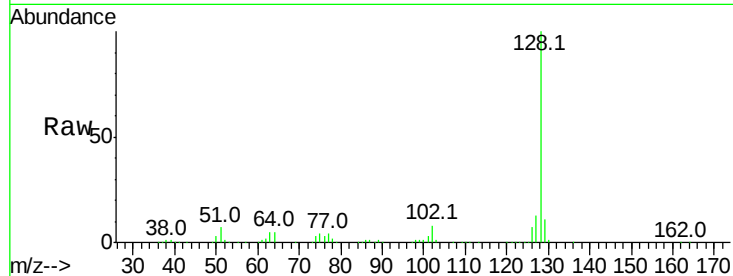
#31  
Naphthalene  
Concen: 48.93 ng  
RT: 9.80 min Scan# 1337  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 9.0   | 13.6  |
| 127     | 13.4  | 10.8  | 16.2  |

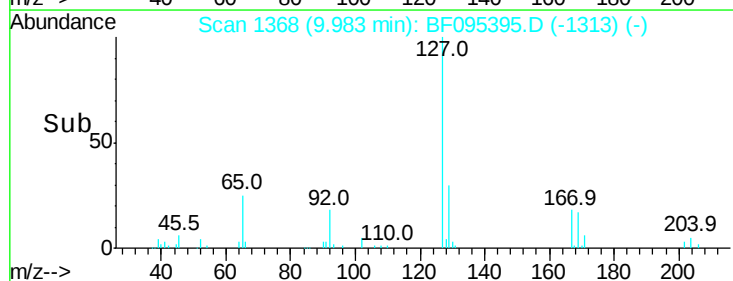
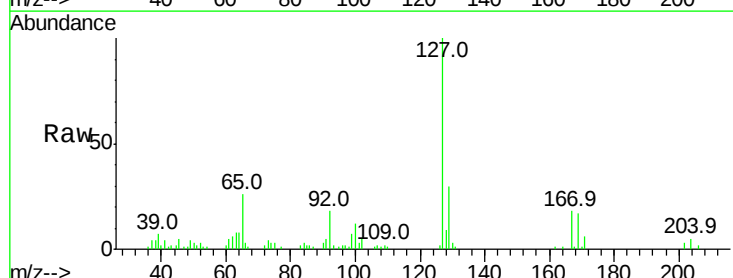
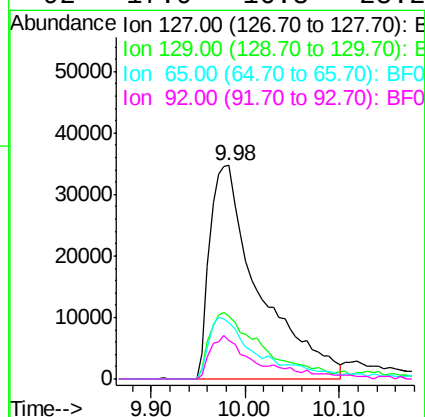
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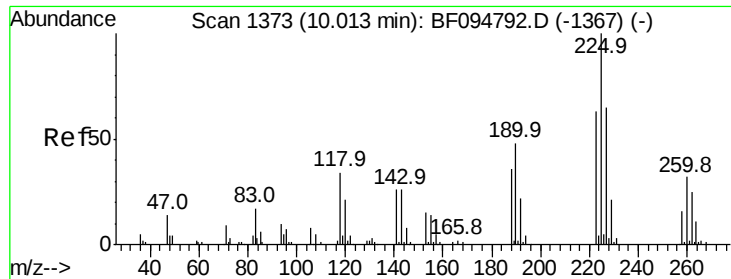
mohammad  
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#33  
4-Chloroaniline  
Concen: 19.39 ng  
RT: 9.98 min Scan# 1368  
Delta R.T. 0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 29.7  | 26.2  | 39.2  |
| 65      | 26.2  | 27.8  | 41.8# |
| 92      | 17.9  | 16.8  | 25.2  |





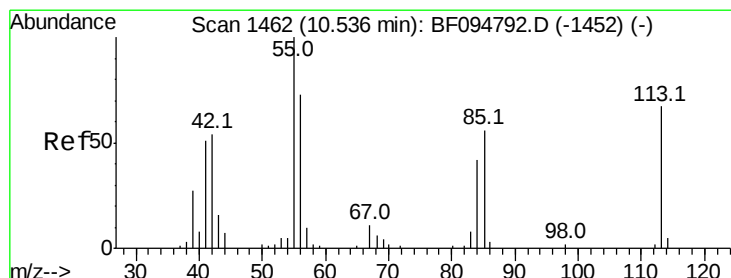
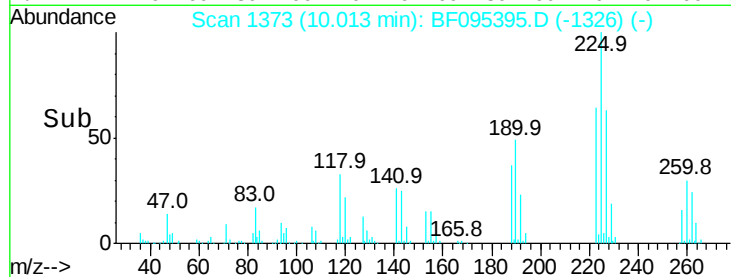
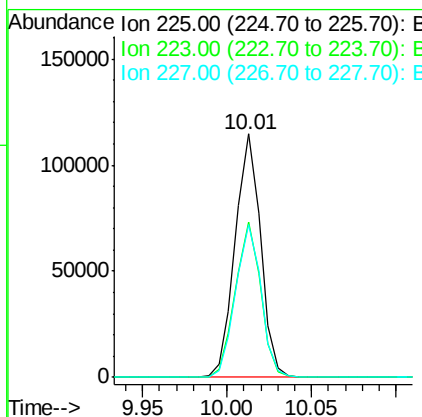
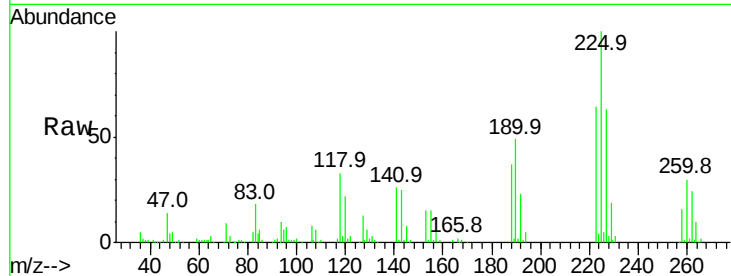
#34  
Hexachlorobutadiene  
Concen: 44.48 ng  
RT: 10.01 min Scan# 1373  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.7  | 48.8 | 73.2  |       |
| 227     | 63.0  | 51.1 | 76.7  |       |

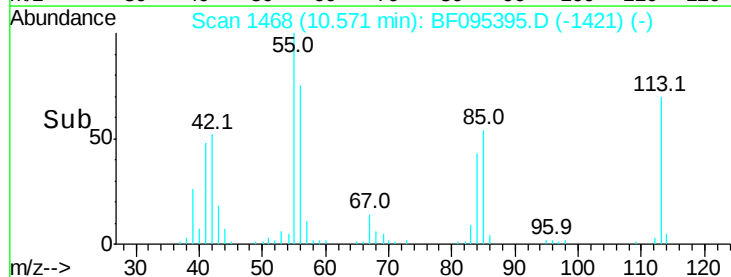
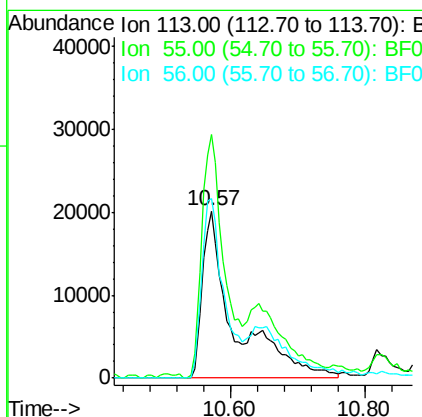
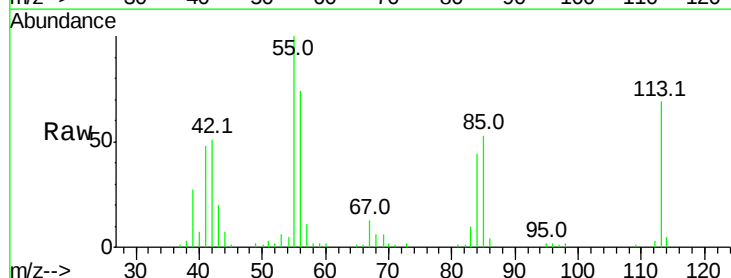
Manual Integrations  
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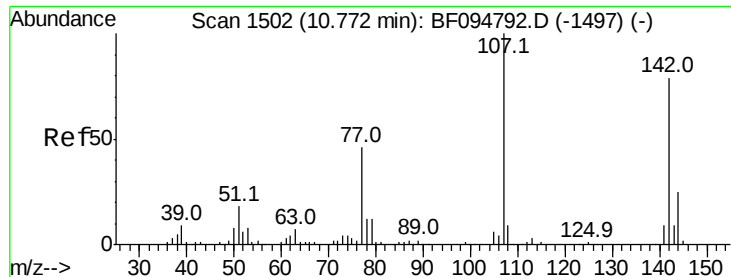
mohammad  
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#35  
Caprolactam  
Concen: 46.84 ng m  
RT: 10.57 min Scan# 1468  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 113     | 100   |       |        |       |
| 55      | 145.5 | 150.2 | 190.2# |       |
| 56      | 107.6 | 107.8 | 147.8# |       |





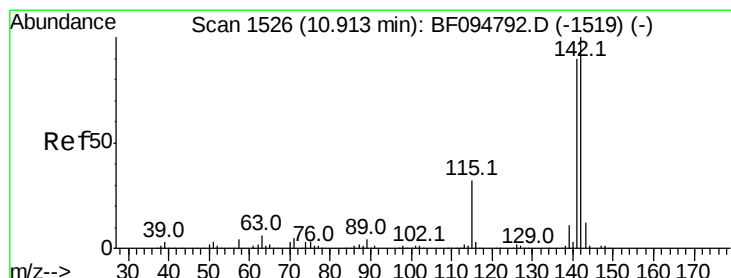
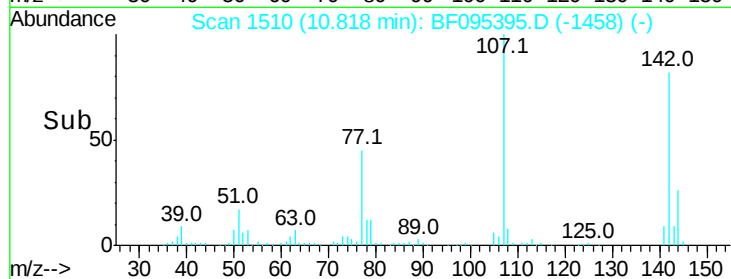
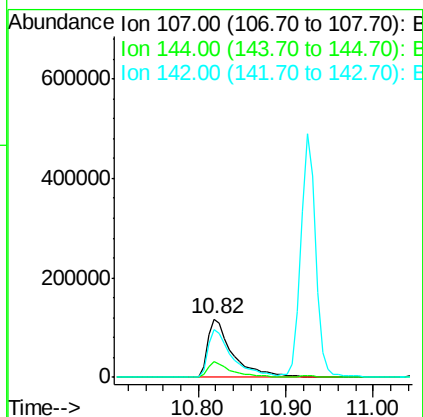
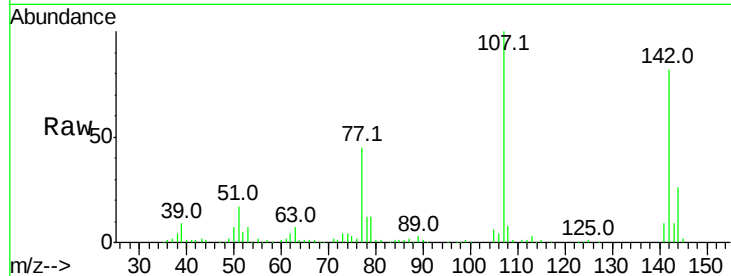
#36  
 4-Chloro-3-methylphenol  
 Concen: 45.32 ng  
 RT: 10.82 min Scan# 1510  
 Delta R.T. 0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 26.4  | 24.2  | 36.4  |
| 142     | 82.2  | 73.4  | 110.0 |

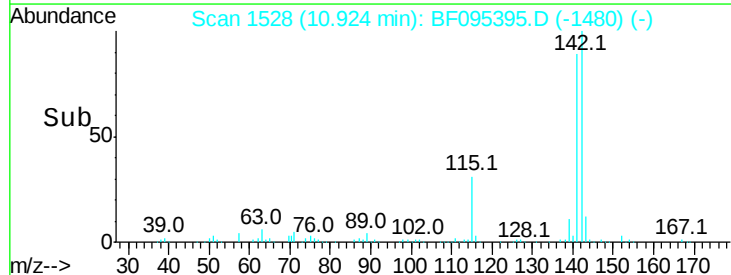
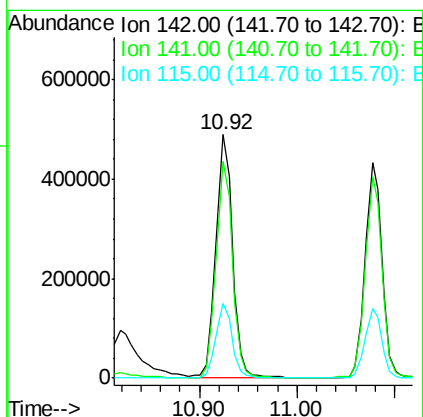
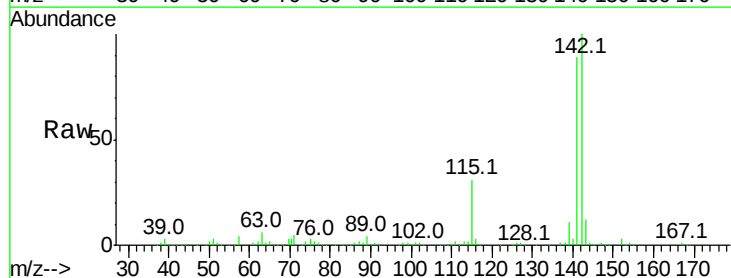
Manual Integrations  
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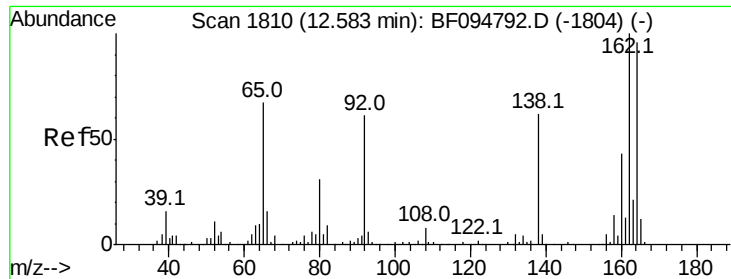
mohammad  
 5/25/2017 6:00:22 PM



#37  
 2-Methylnaphthalene  
 Concen: 50.68 ng  
 RT: 10.92 min Scan# 1528  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 71.3  | 106.9 |
| 115     | 30.7  | 27.1  | 40.7  |





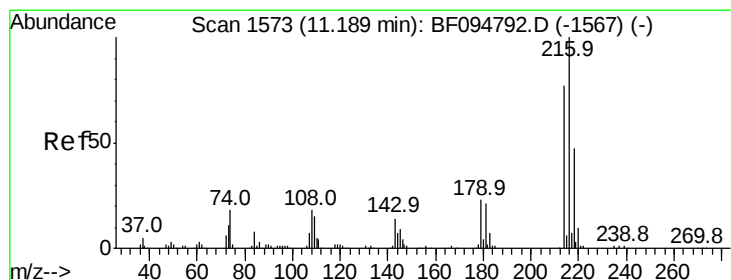
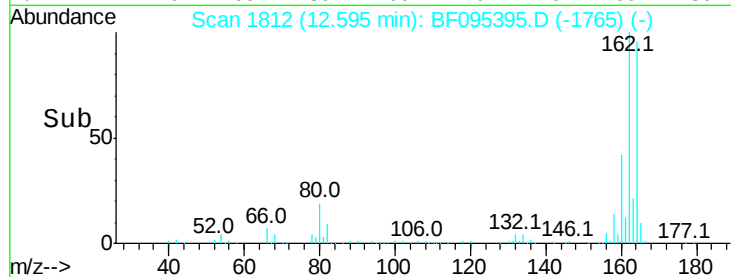
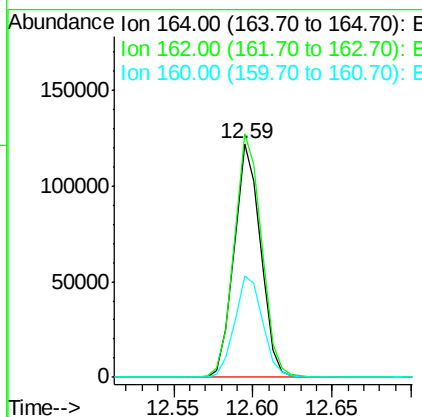
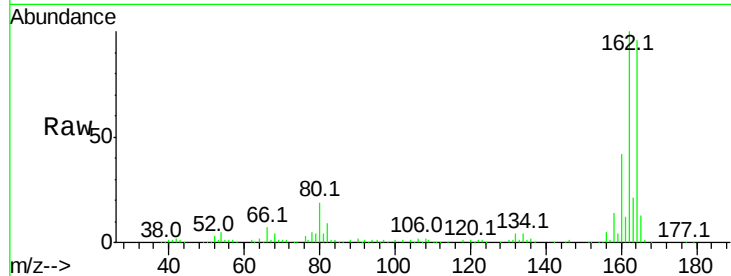
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.59 min Scan# 1812  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.2 | 82.6  | 123.8 |
| 160     | 43.5  | 36.2  | 54.2  |

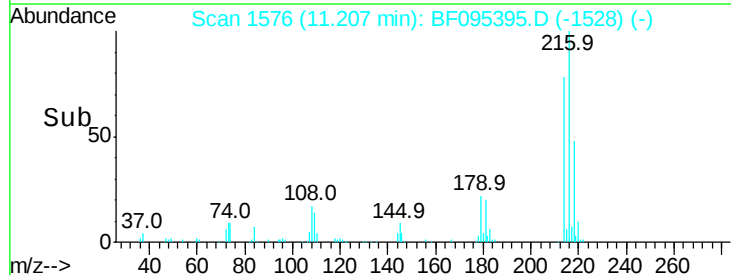
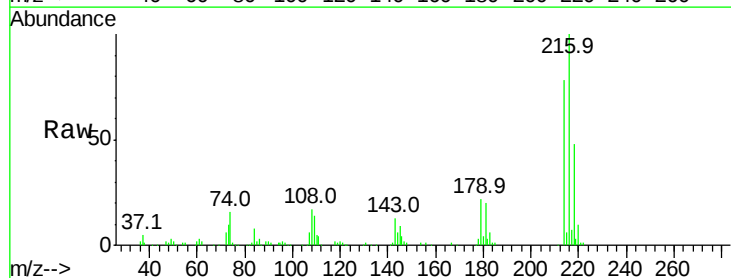
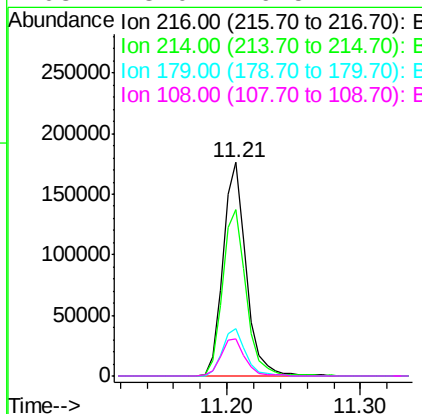
Manual Integrations  
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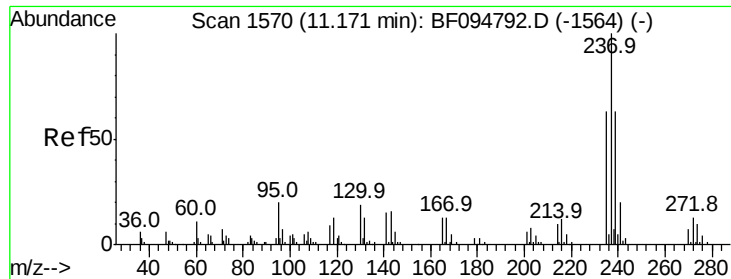
mohammad  
5/25/2017 6:00:22 PM



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 49.55 ng  
RT: 11.21 min Scan# 1576  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.4  | 63.4  | 95.2  |
| 179     | 22.2  | 17.9  | 26.9  |
| 108     | 18.0  | 16.5  | 24.7  |





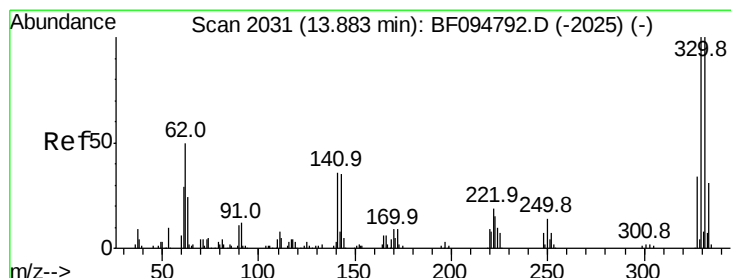
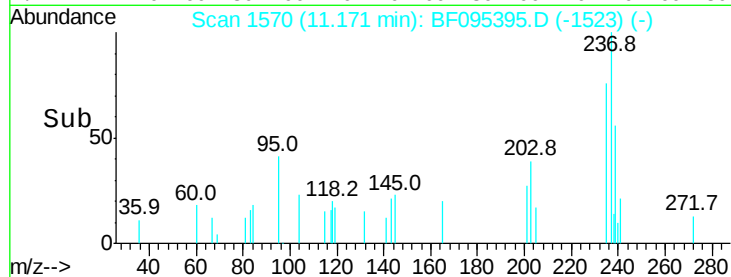
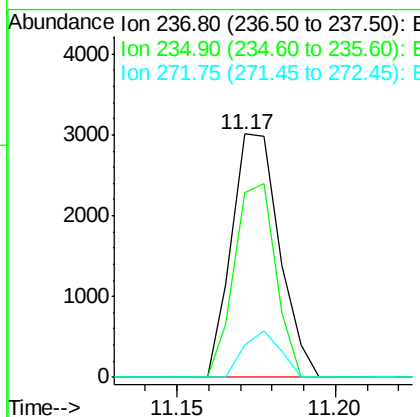
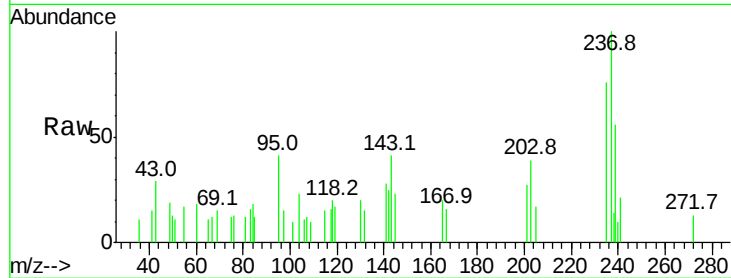
#40  
Hexachlorocyclopentadiene  
Concen: 7.65 ng  
RT: 11.17 min Scan# 1570  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   | 3151 |       |       |
| 235     | 75.8  | 42.6 | 82.6  |       |
| 272     | 13.2  | 0.0  | 31.9  |       |

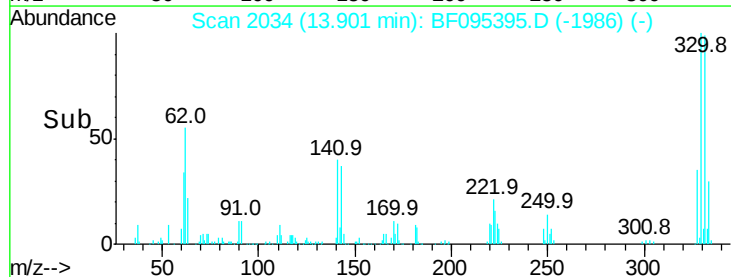
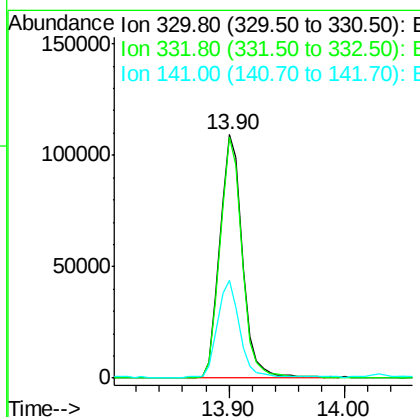
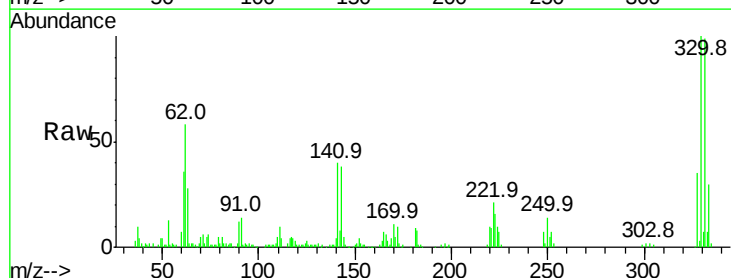
Manual Integrations  
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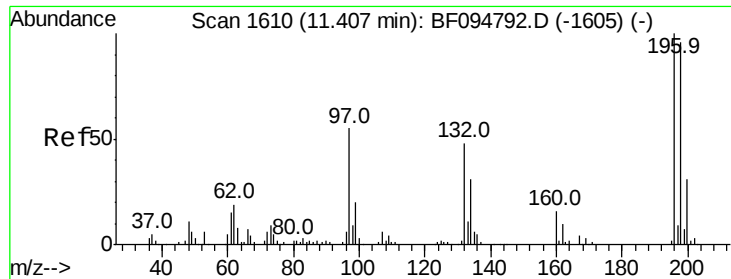
mohammad  
5/25/2017 6:00:22 PM



#41  
2,4,6-Tribromophenol  
Concen: 128.66 ng  
RT: 13.90 min Scan# 2034  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 148732 |       |       |
| 332     | 96.9  | 76.6   | 115.0 |       |
| 141     | 38.6  | 31.4   | 47.2  |       |





#42

2,4,6-Trichlorophenol

Concen: 49.82 ng

RT: 11.43 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

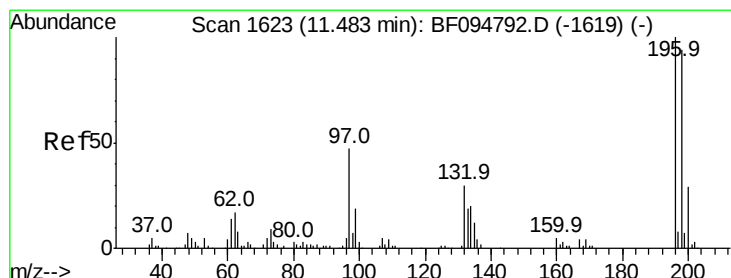
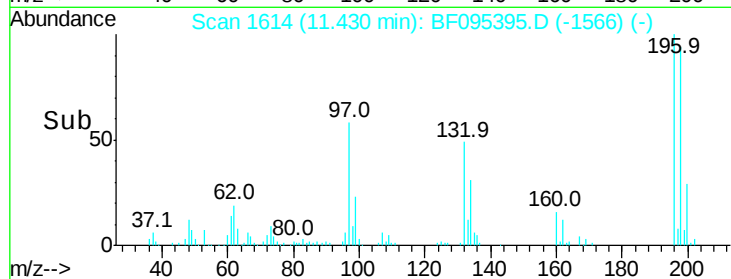
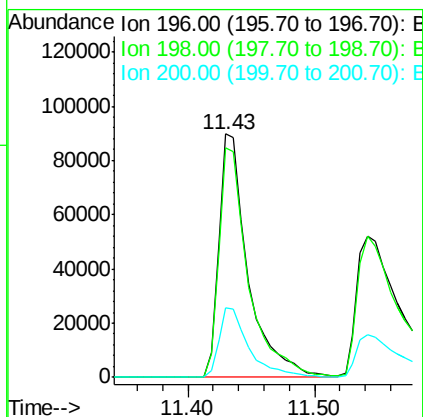
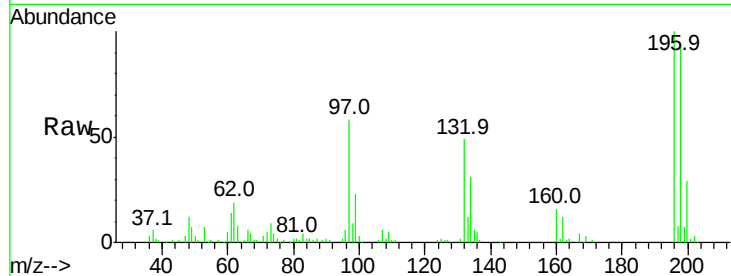
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 144377 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.2  | 74.2  | 111.4  |
| 200       | 28.6  | 24.0  | 36.0   |

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#43

2,4,5-Trichlorophenol

Concen: 42.02 ng

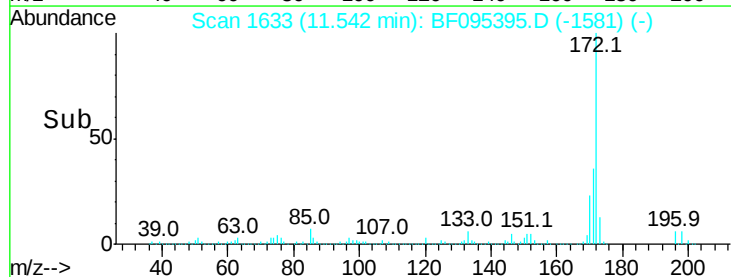
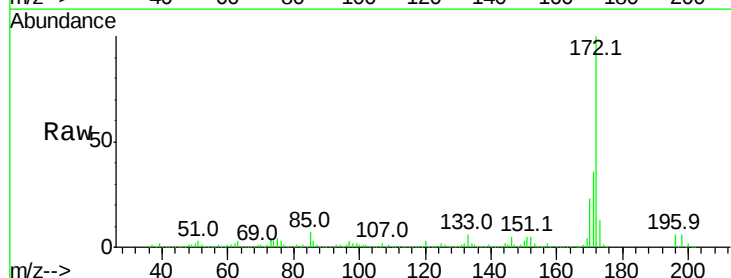
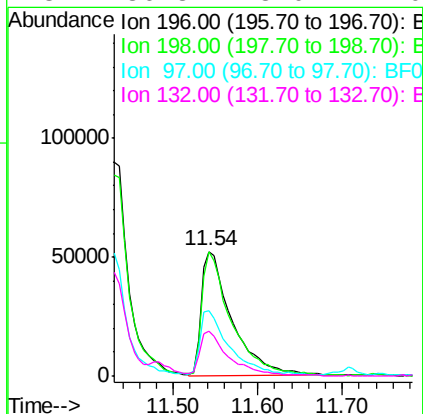
RT: 11.54 min Scan# 1633

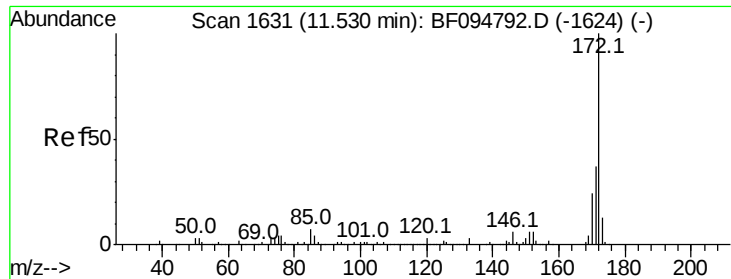
Delta R.T. 0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 130895 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 99.7  | 75.7  | 113.5  |
| 97        | 52.1  | 47.7  | 71.5   |
| 132       | 36.3  | 28.0  | 42.0   |





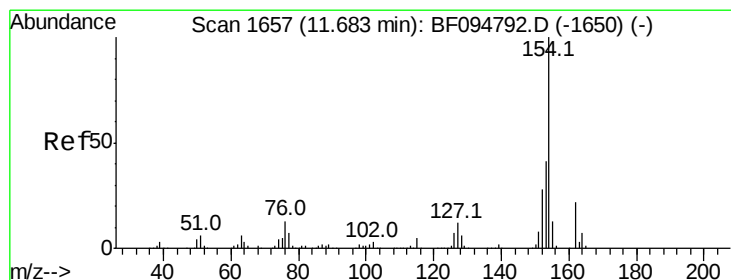
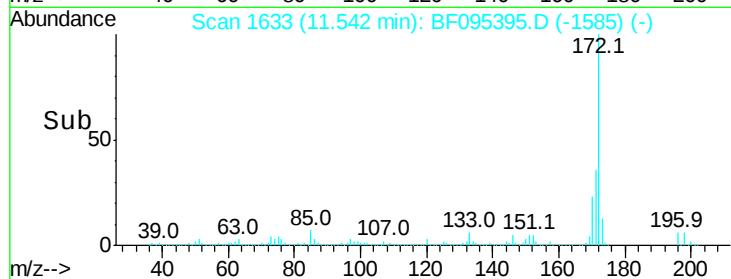
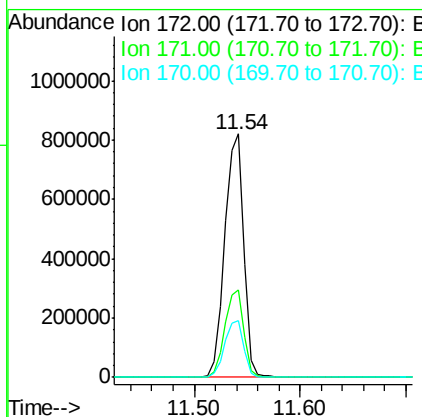
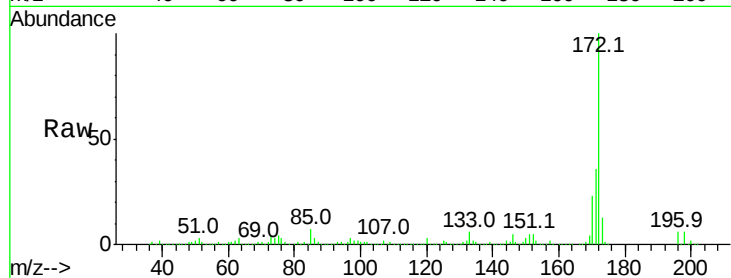
#44  
2-Fluorobiphenyl  
Concen: 103.92 ng  
RT: 11.54 min Scan# 1633  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.6  | 44.4  |
| 170     | 23.4  | 19.8  | 29.8  |

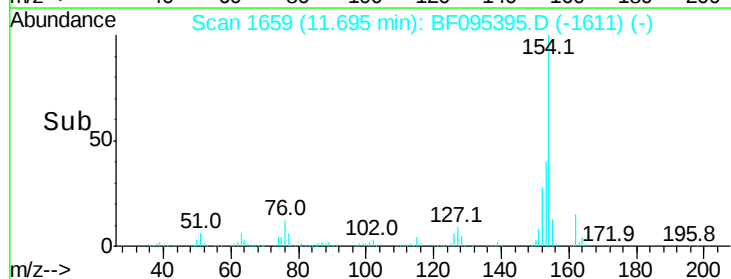
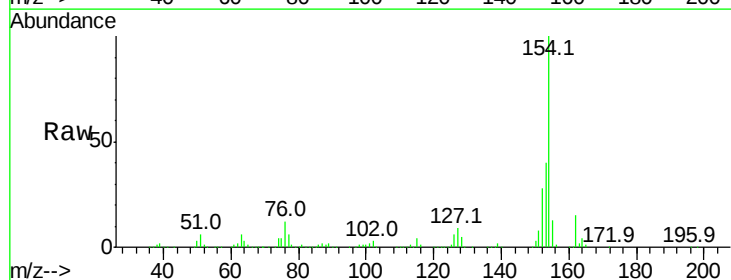
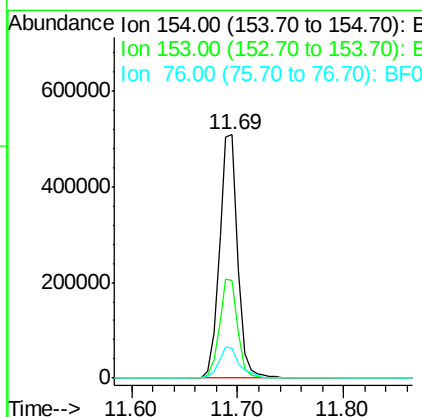
Manual Integrations  
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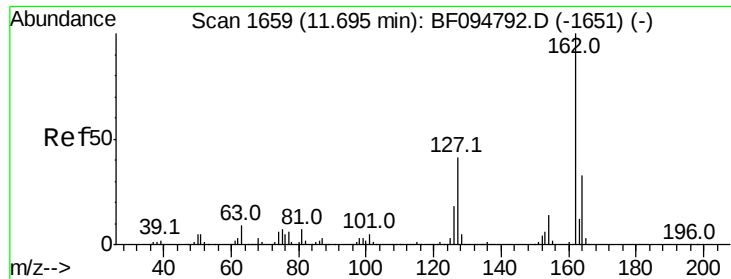
mohammad  
5/25/2017 6:00:22 PM



#45  
1,1'-Biphenyl  
Concen: 51.94 ng  
RT: 11.69 min Scan# 1659  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.2  | 21.2  | 61.2  |
| 76      | 12.5  | 0.0   | 29.9  |





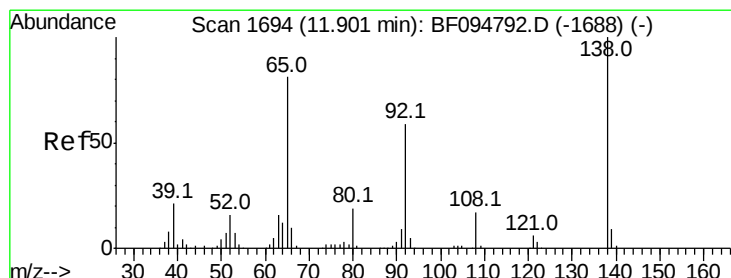
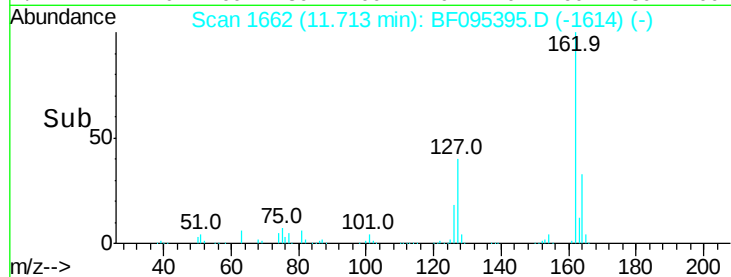
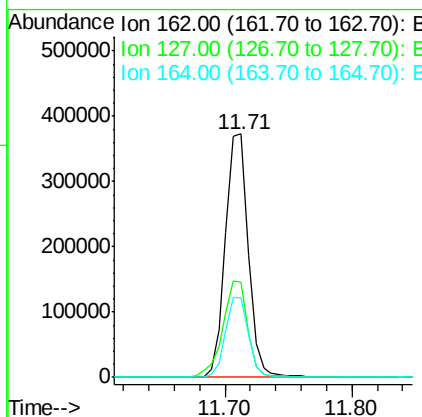
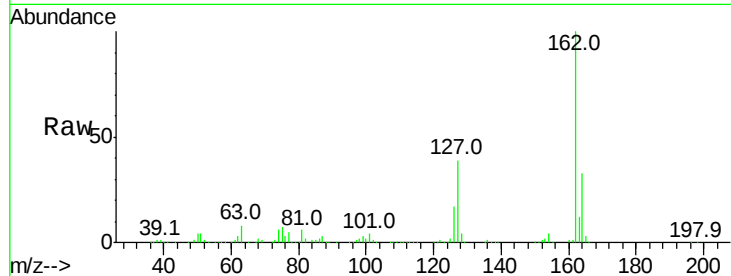
#46  
 2-Chloronaphthalene  
 Concen: 48.94 ng  
 RT: 11.71 min Scan# 1662  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 469578 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.9  | 28.3  | 42.5   |
| 164       | 32.7  | 27.0  | 40.4   |

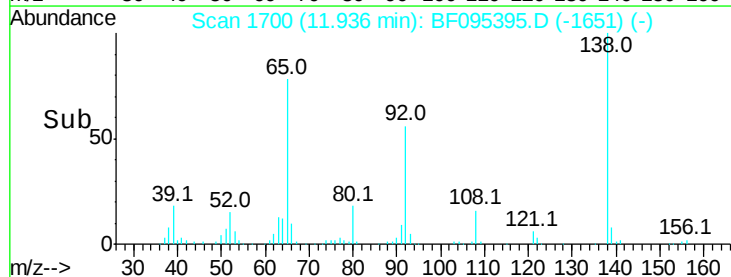
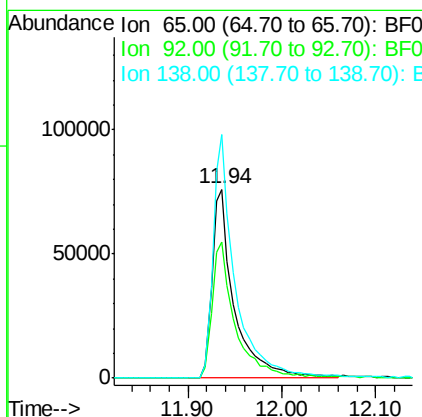
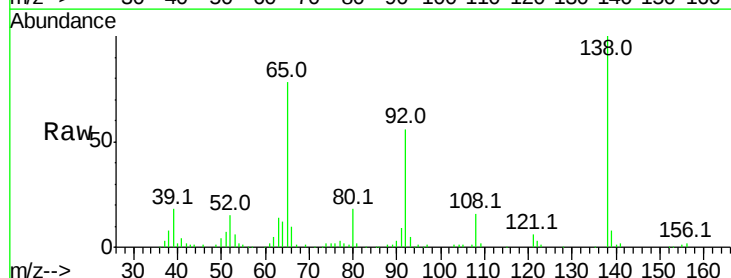
Manual Integrations  
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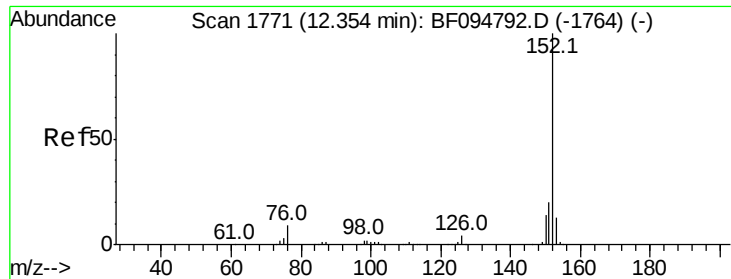
mohammad  
 5/25/2017 6:00:22 PM



#47  
 2-Nitroaniline  
 Concen: 48.44 ng  
 RT: 11.94 min Scan# 1700  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 127218 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 72.1  | 53.9  | 80.9   |
| 138       | 128.9 | 78.8  | 118.2# |





#48

Acenaphthylene

Concen: 53.11 ng

RT: 12.37 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

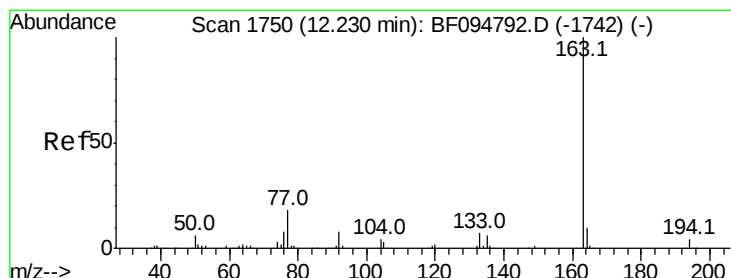
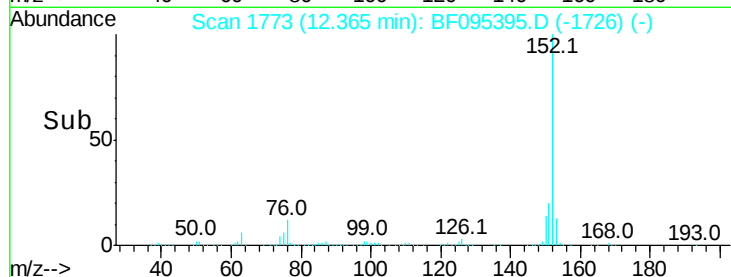
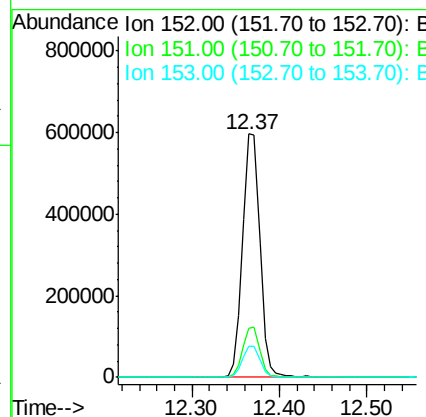
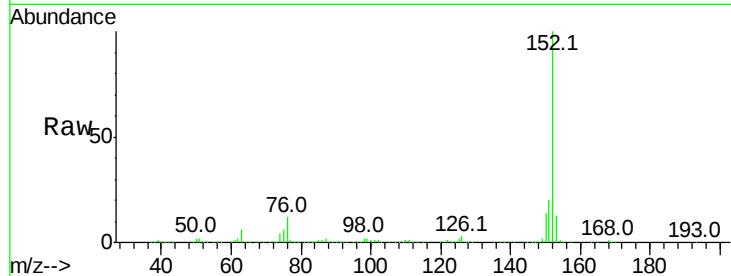
ClientSampleId :

POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 798324 |       |       |
| 151     | 20.3  |        | 16.8  | 25.2  |
| 153     | 13.0  |        | 10.8  | 16.2  |

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#49

Dimethylphthalate

Concen: 65.65 ng

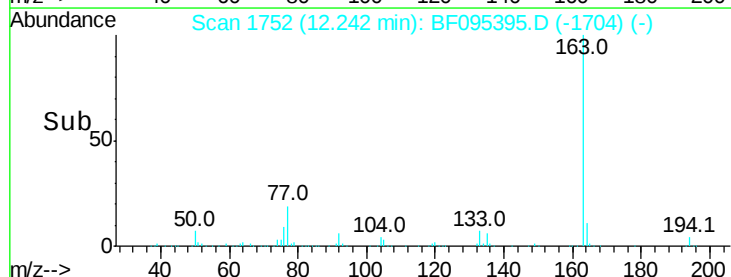
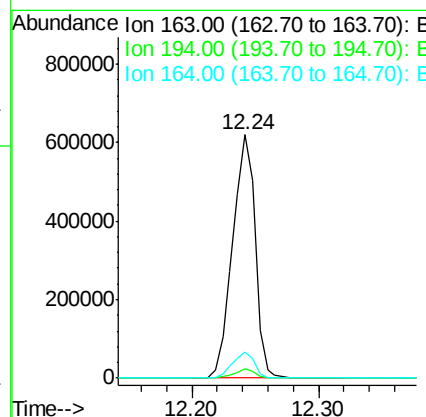
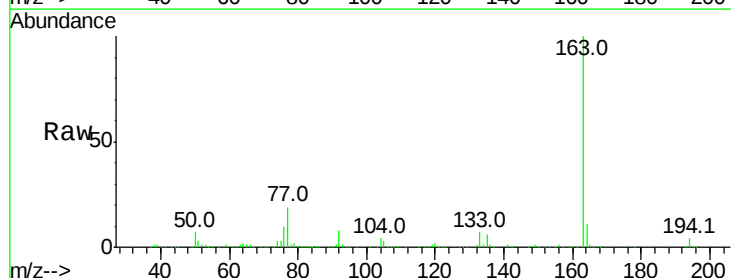
RT: 12.24 min Scan# 1752

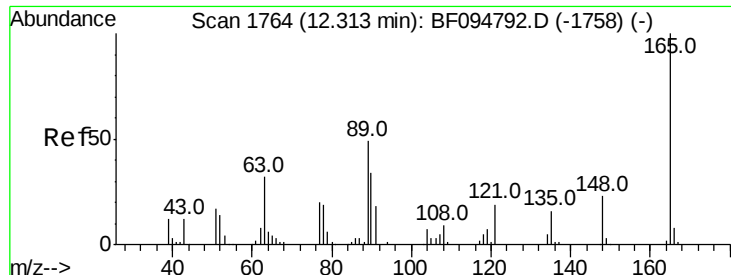
Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 760756 |       |       |
| 194     | 3.6   |        | 2.6   | 4.0   |
| 164     | 10.5  |        | 8.4   | 12.6  |





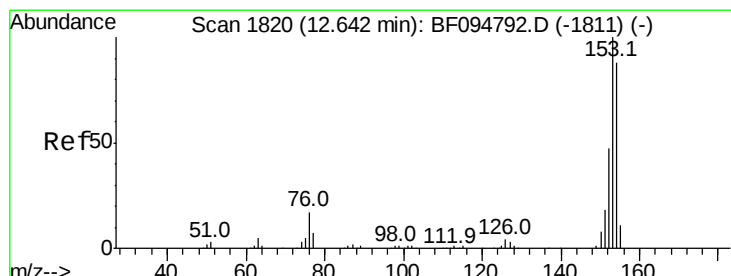
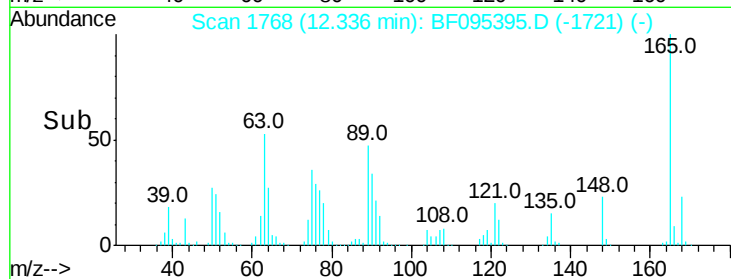
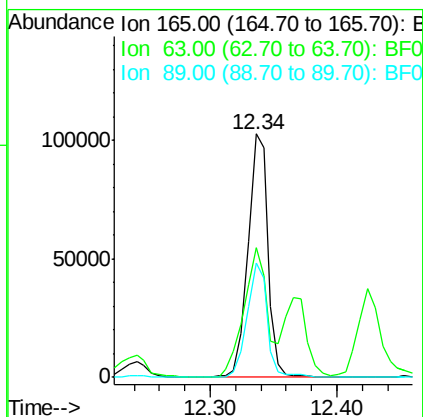
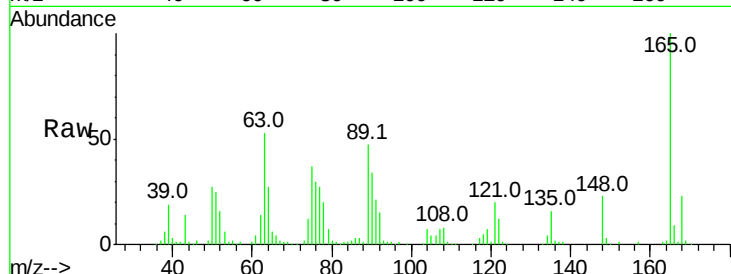
#50  
2,6-Dinitrotoluene  
Concen: 47.79 ng  
RT: 12.34 min Scan# 1768  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 53.4  | 34.3 | 51.5# |       |
| 89      | 47.1  | 37.1 | 55.7  |       |

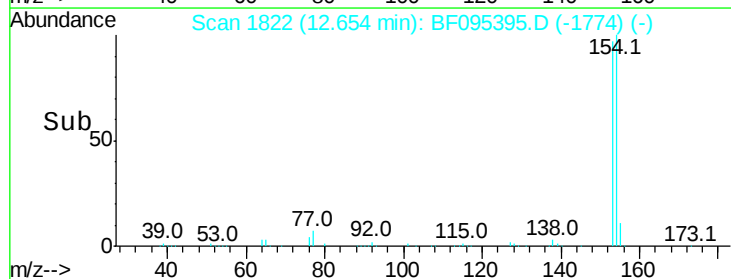
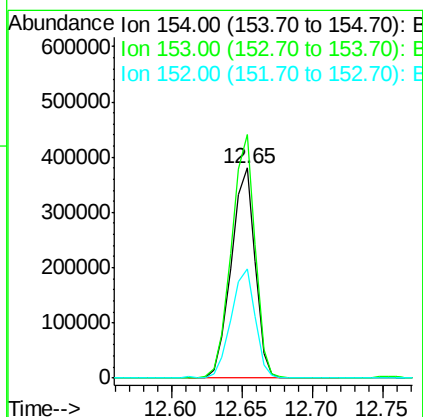
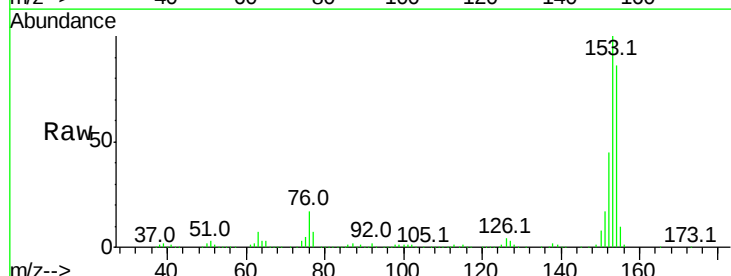
Manual Integrations  
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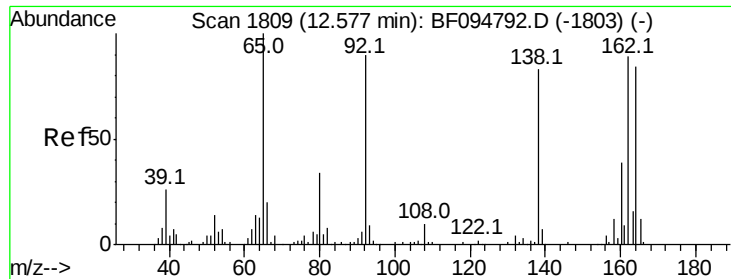
mohammad  
5/25/2017 6:00:22 PM



#51  
Acenaphthene  
Concen: 49.85 ng  
RT: 12.65 min Scan# 1822  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 115.9 | 90.5 | 135.7 |       |
| 152     | 52.1  | 43.6 | 65.4  |       |





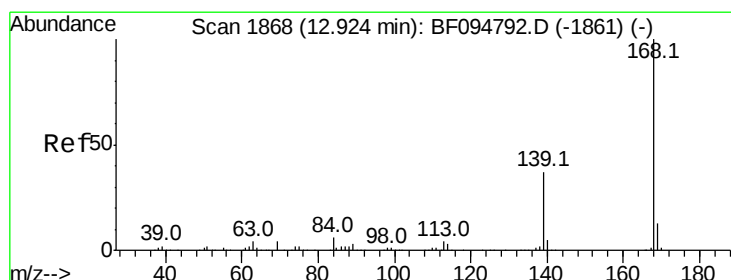
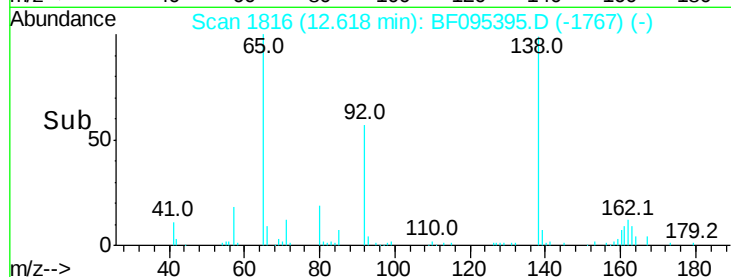
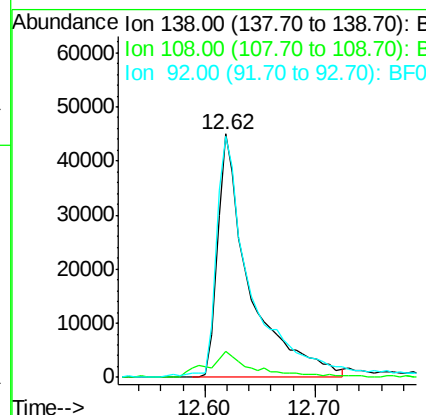
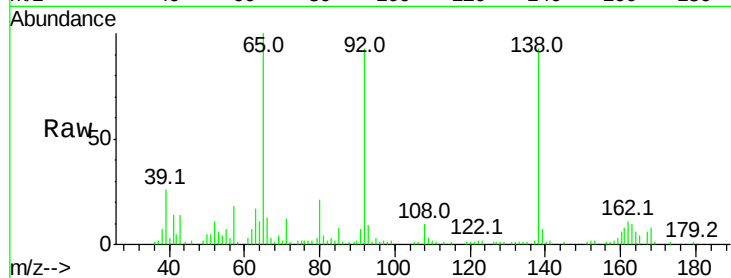
#52  
3-Nitroaniline  
Concen: 35.69 ng  
RT: 12.62 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.8  | 9.1   | 13.7  |
| 92      | 99.1  | 93.8  | 140.6 |

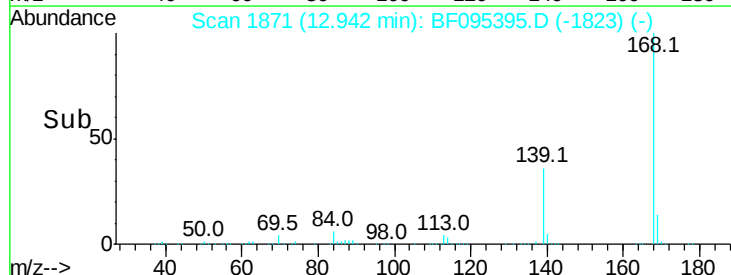
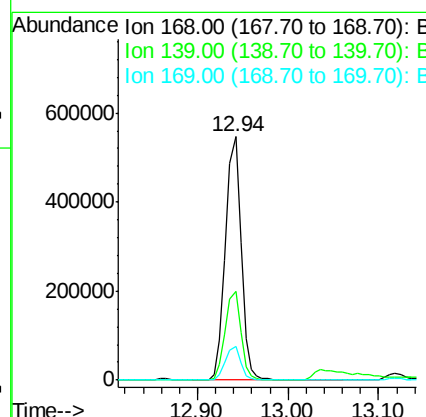
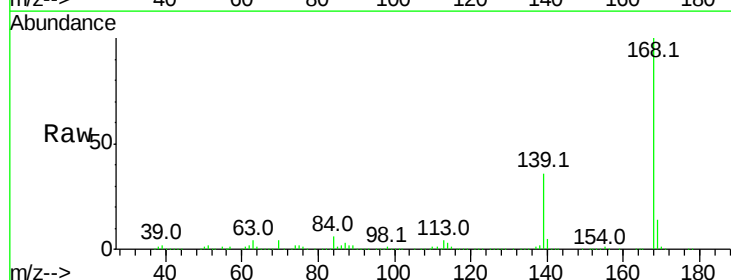
Manual Integrations  
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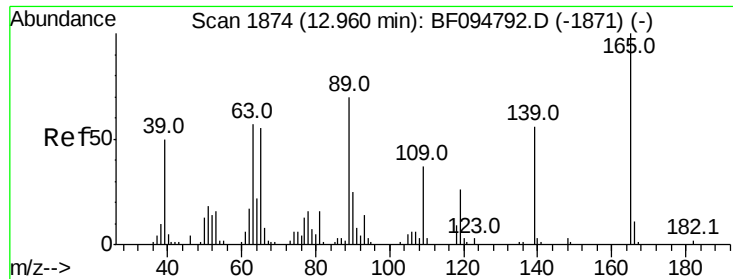
mohammad  
5/25/2017 6:00:22 PM



#54  
Dibenzofuran  
Concen: 52.81 ng  
RT: 12.94 min Scan# 1871  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.3  | 30.6  | 45.8  |
| 169     | 13.8  | 10.8  | 16.2  |





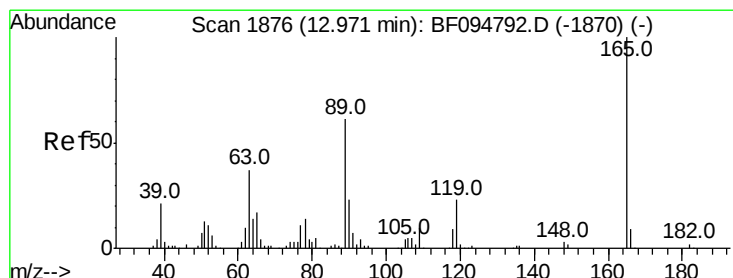
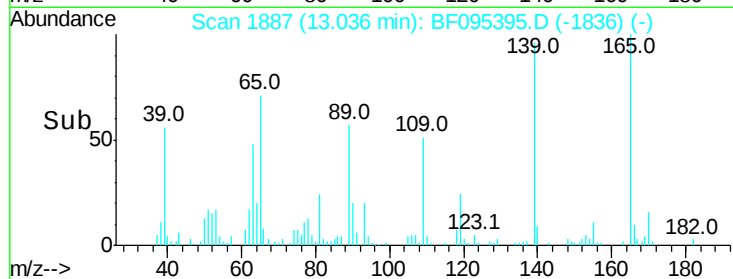
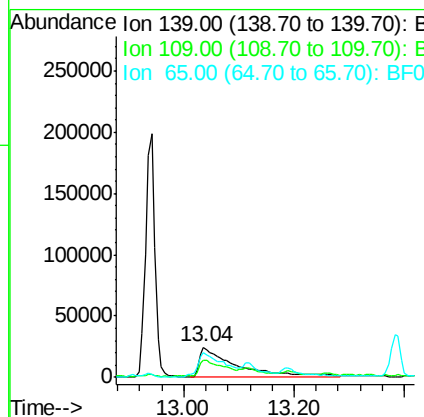
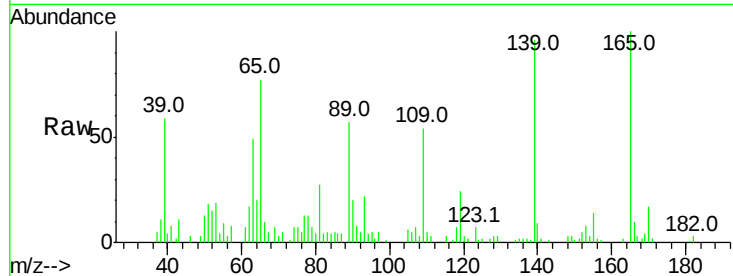
#55  
4-Nitrophenol  
Concen: 70.67 ng  
RT: 13.04 min Scan# 1887  
Delta R.T. -0.00 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 56.7  | 34.1 | 74.1  |       |
| 65      | 80.6  | 31.4 | 71.4  | #     |

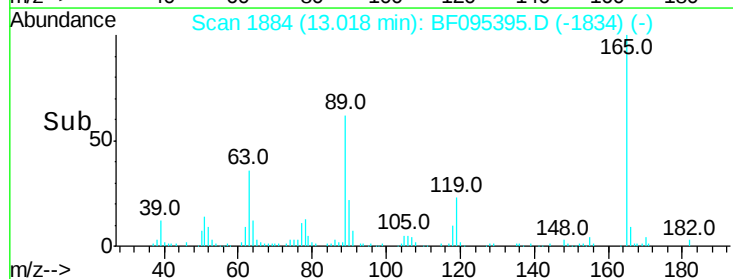
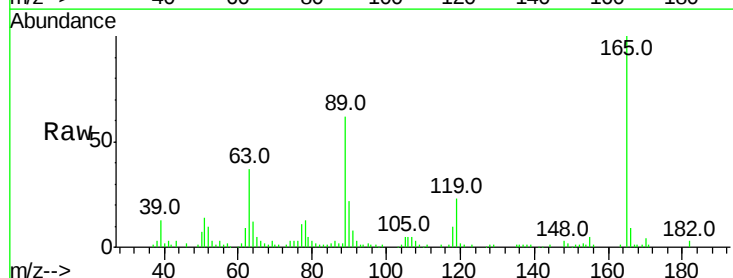
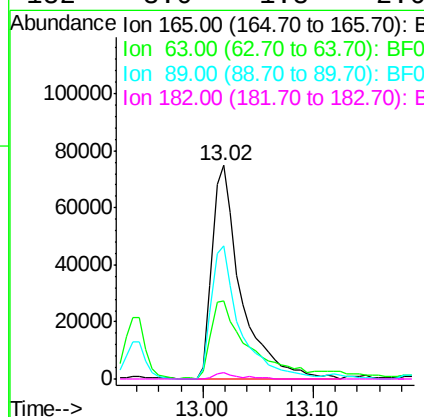
Manual Integrations  
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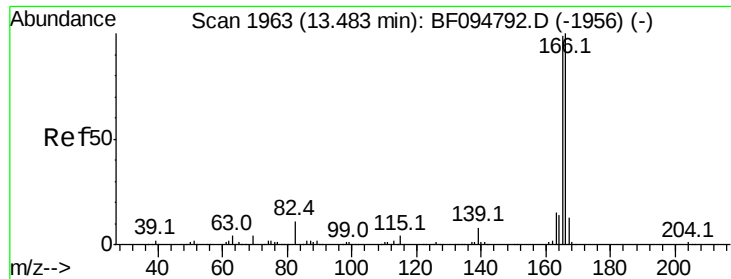
mohammad  
5/25/2017 6:00:22 PM



#56  
2,4-Dinitrotoluene  
Concen: 44.52 ng  
RT: 13.02 min Scan# 1884  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 36.7  | 25.4 | 38.0  |       |
| 89      | 62.4  | 46.4 | 69.6  |       |
| 182     | 3.0   | 1.8  | 2.6   | #     |





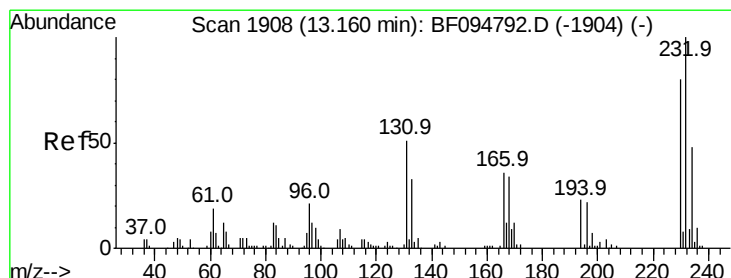
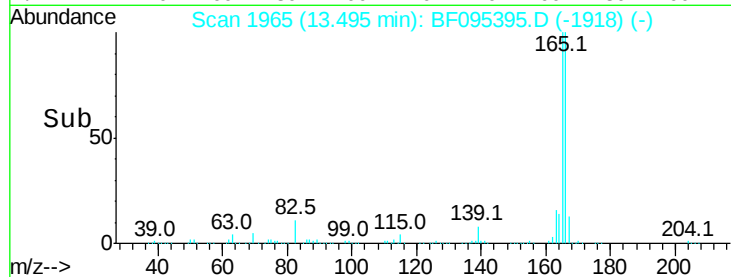
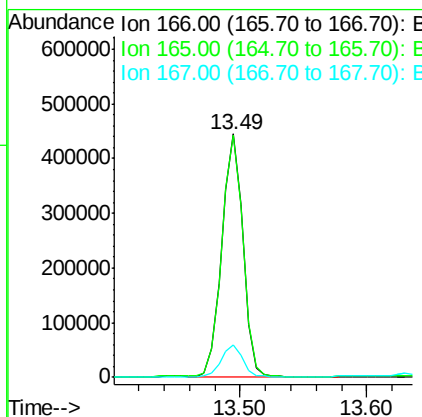
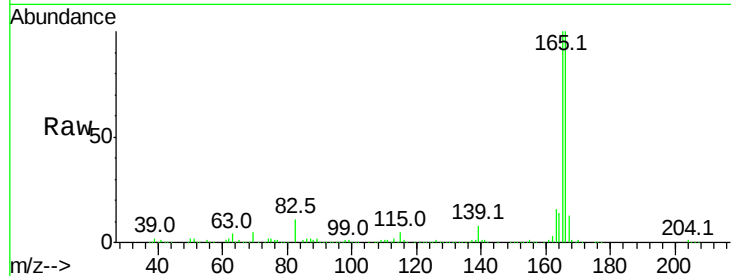
#57  
 Fluorene  
 Concen: 47.59 ng  
 RT: 13.49 min Scan# 1965  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 514121 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 99.8  | 78.8  | 118.2  |
| 167       | 13.2  | 10.6  | 16.0   |

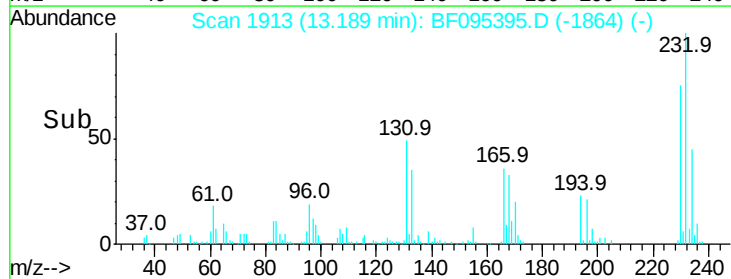
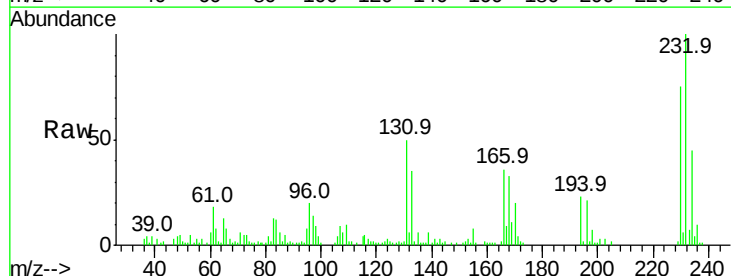
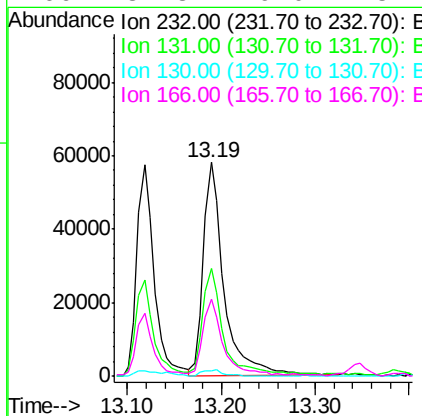
Manual Integrations  
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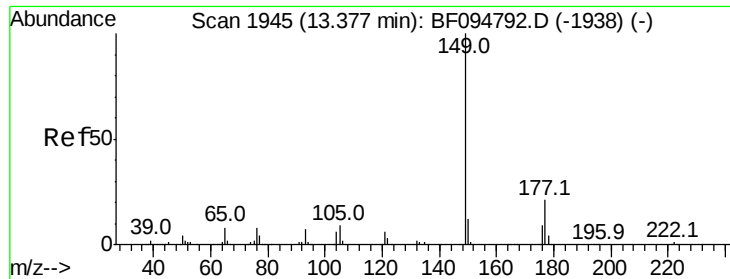
mohammad  
 5/25/2017 6:00:22 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.42 ng  
 RT: 13.19 min Scan# 1913  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 89045 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 48.7  | 44.8  | 67.2  |
| 130       | 2.9   | 2.3   | 3.5   |
| 166       | 34.3  | 29.0  | 43.4  |





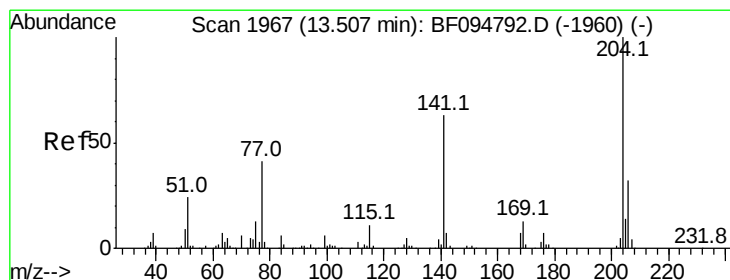
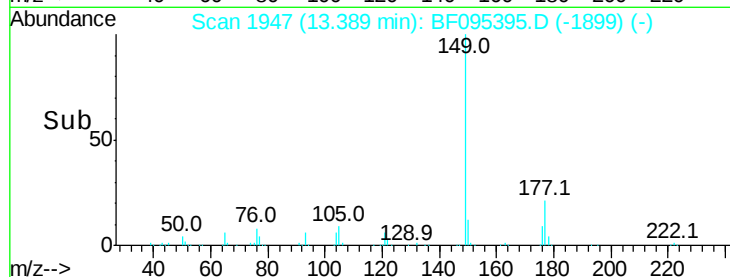
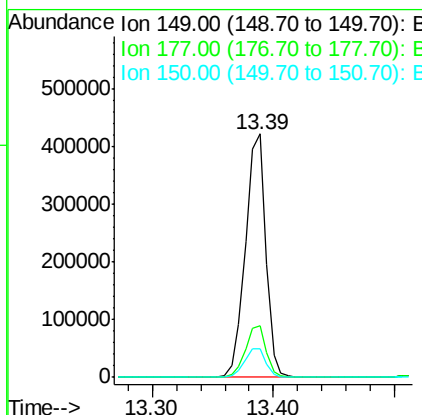
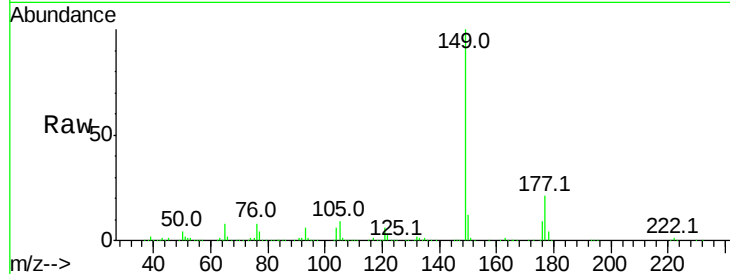
#59  
Diethylphthalate  
Concen: 44.93 ng  
RT: 13.39 min Scan# 1947  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 498976 |       |       |
| 177     | 21.0  |        | 16.7  | 25.1  |
| 150     | 11.8  |        | 10.2  | 15.2  |

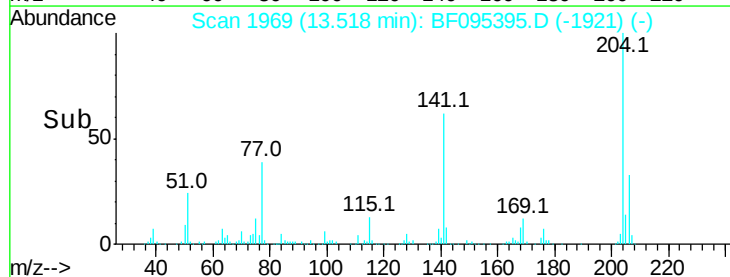
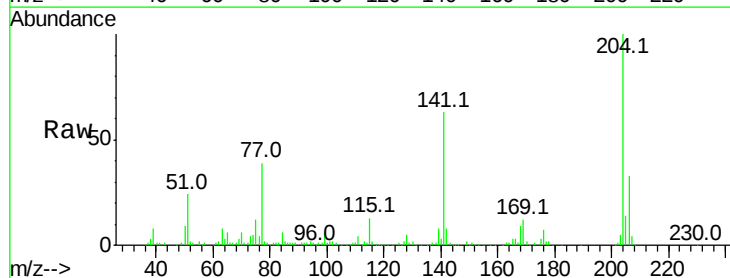
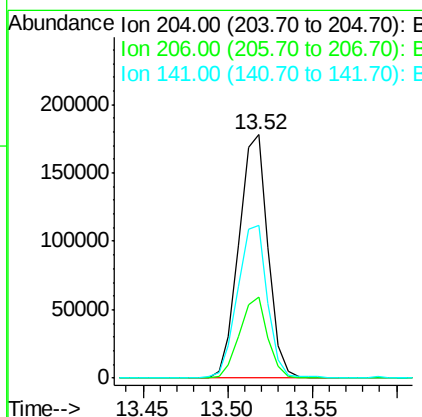
Manual Integrations  
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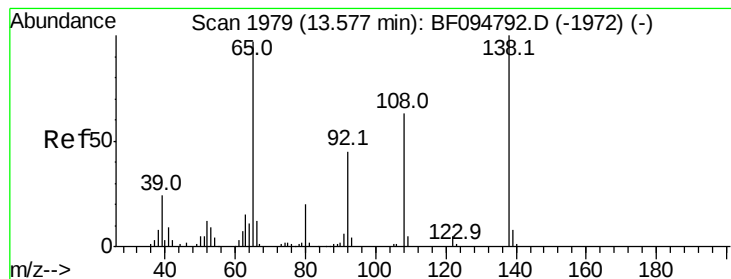
mohammad  
5/25/2017 6:00:22 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 44.92 ng  
RT: 13.52 min Scan# 1969  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 213262 |       |       |
| 206     | 33.4  |        | 26.2  | 39.2  |
| 141     | 62.7  |        | 60.8  | 91.2  |





#61

4-Nitroaniline

Concen: 34.10 ng

RT: 13.62 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

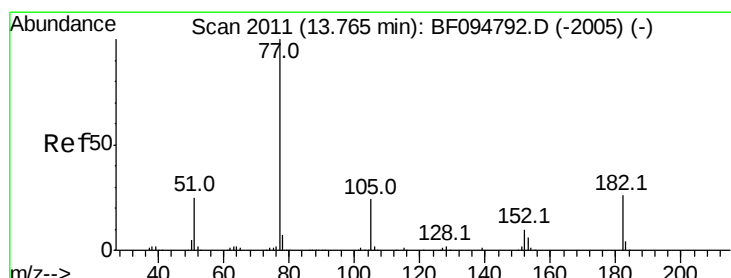
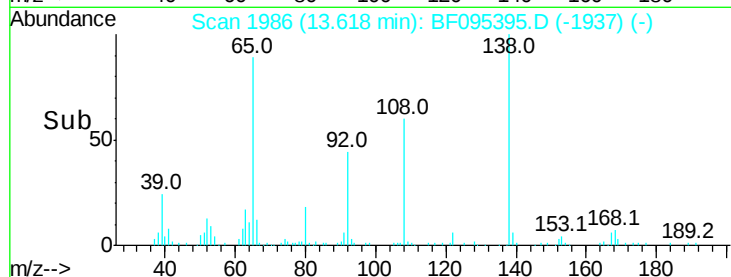
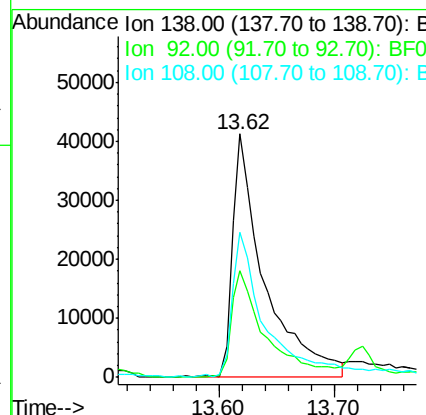
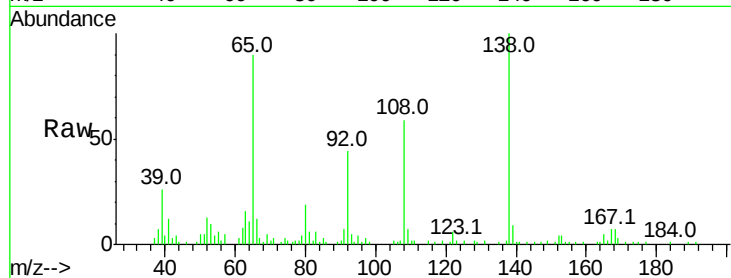
ClientSampleId :

POST-EX-38-20170517MSD

|             |       |       |
|-------------|-------|-------|
| Tot Ion:138 | Resp: | 79438 |
| Ion Ratio   | Lower | Upper |
| 138 100     |       |       |
| 92 43.7     | 21.8  | 61.8  |
| 108 59.5    | 42.3  | 82.3  |

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#62

Azobenzene

Concen: 48.54 ng

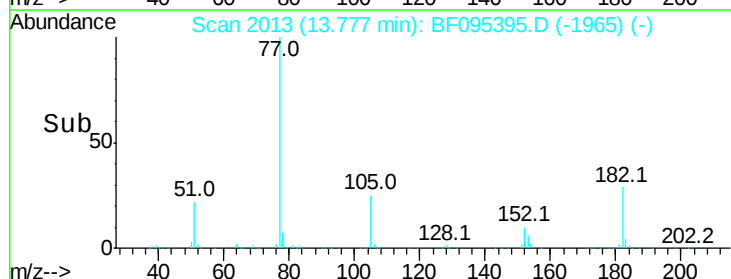
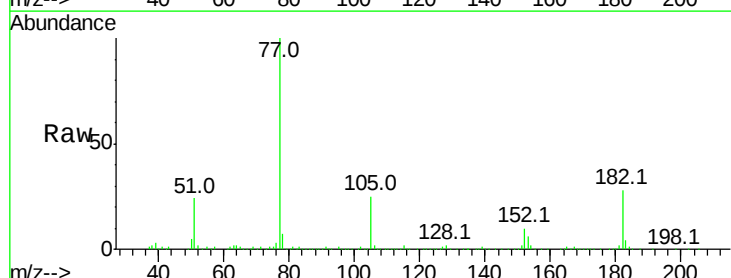
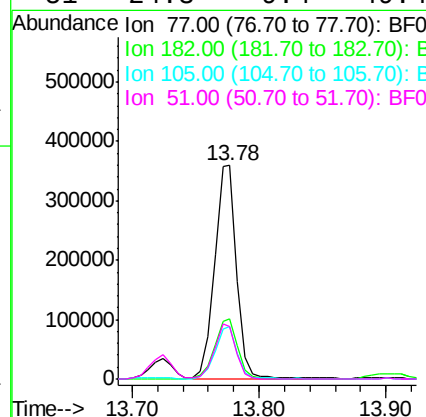
RT: 13.78 min Scan# 2013

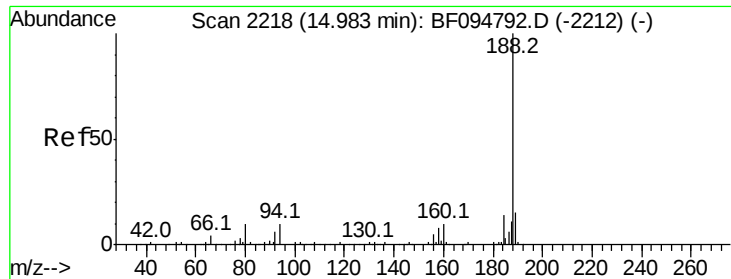
Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|             |       |        |
|-------------|-------|--------|
| Tgt Ion: 77 | Resp: | 433237 |
| Ion Ratio   | Lower | Upper  |
| 77 100      |       |        |
| 182 28.2    | 0.1   | 40.1   |
| 105 24.7    | 3.6   | 43.6   |
| 51 24.3     | 9.4   | 49.4   |





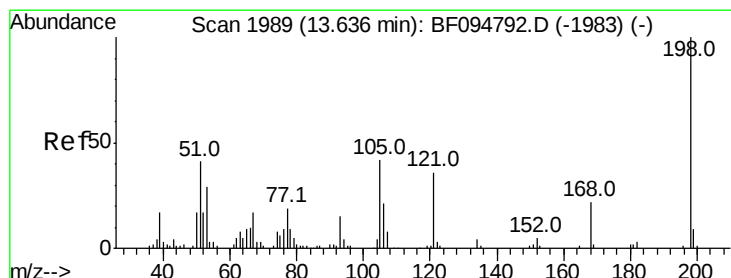
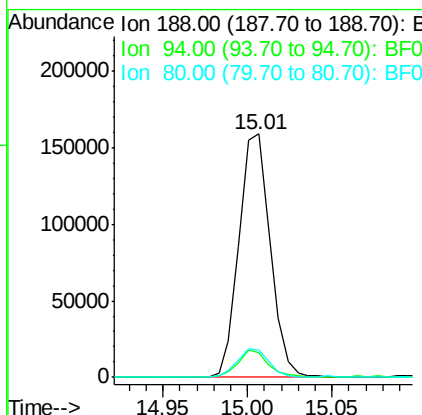
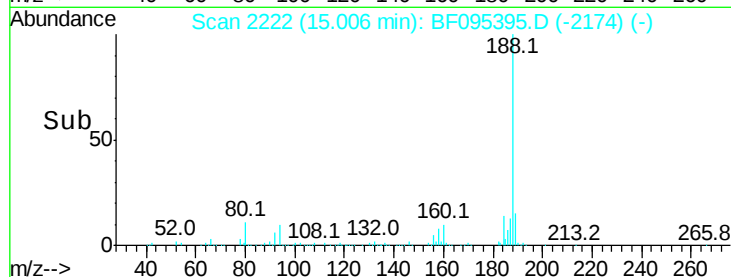
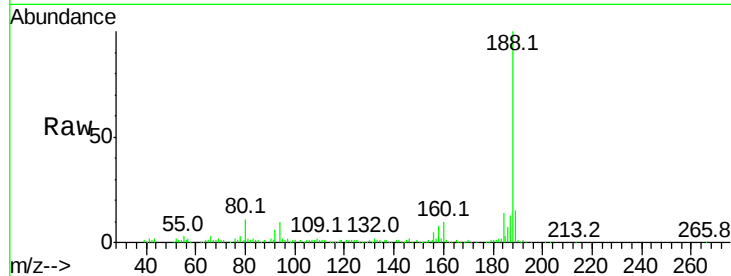
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 15.01 min Scan# 2222  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 206010 |       |       |
| 94      | 10.4  |        | 9.4   | 14.2  |
| 80      | 11.4  |        | 10.2  | 15.2  |

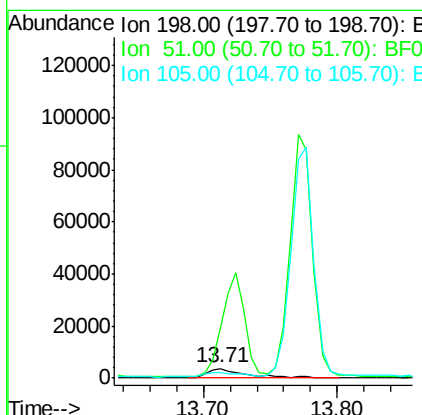
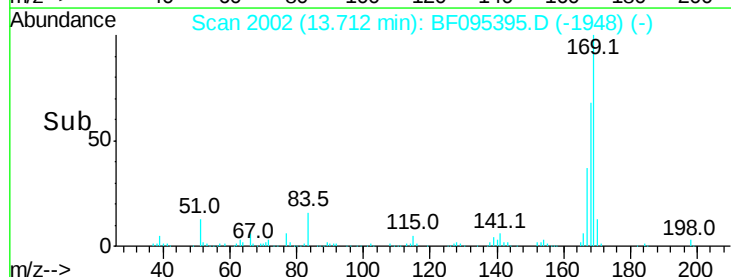
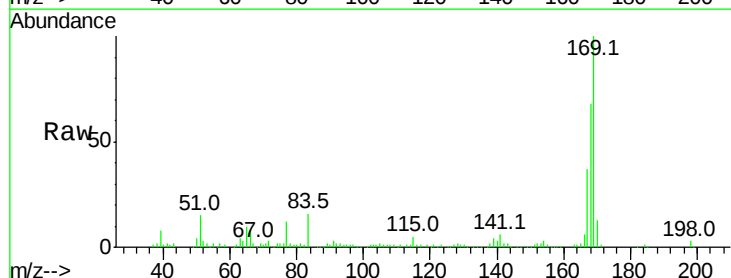
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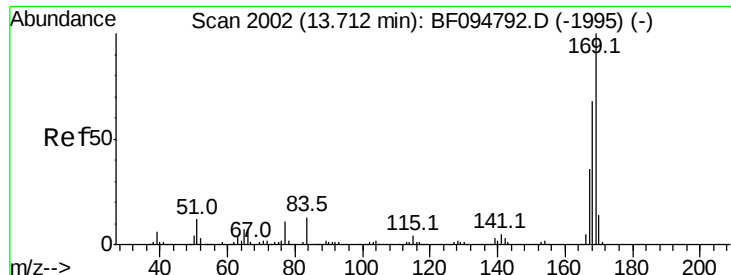
mohammad  
5/25/2017 6:00:22 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.30 ng  
RT: 13.71 min Scan# 2002  
Delta R.T. 0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   | 7322 |       |       |
| 51      | 516.7 |      | 53.2  | 93.2# |
| 105     | 53.6  |      | 45.8  | 85.8  |





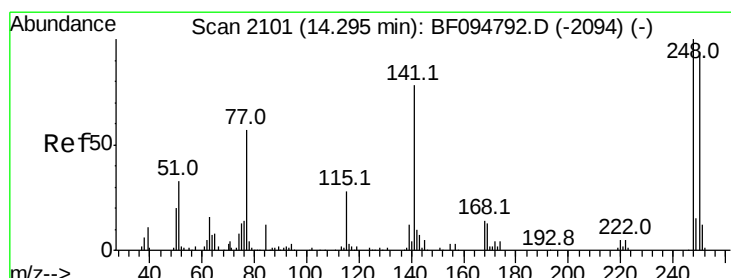
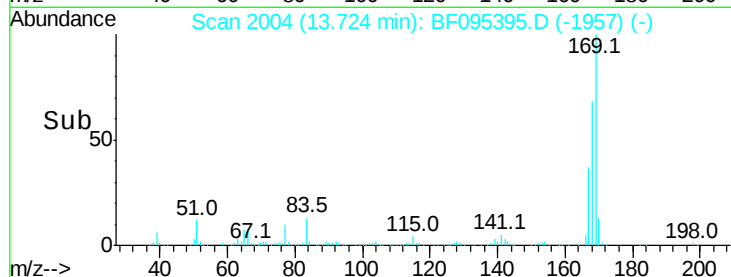
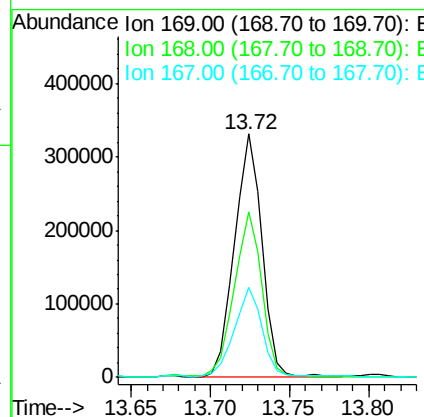
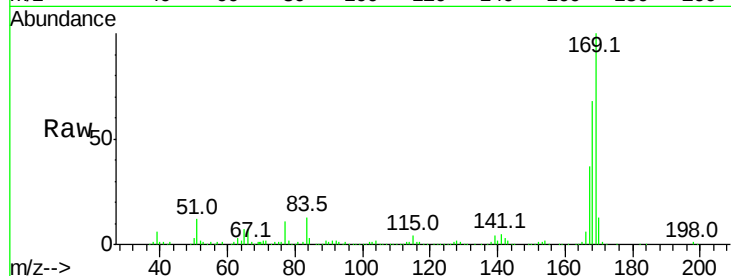
#65  
n-Nitrosodiphenylamine  
Concen: 52.95 ng  
RT: 13.72 min Scan# 2004  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 67.8  | 53.2 | 79.8  |       |
| 167     | 36.9  | 29.5 | 44.3  |       |

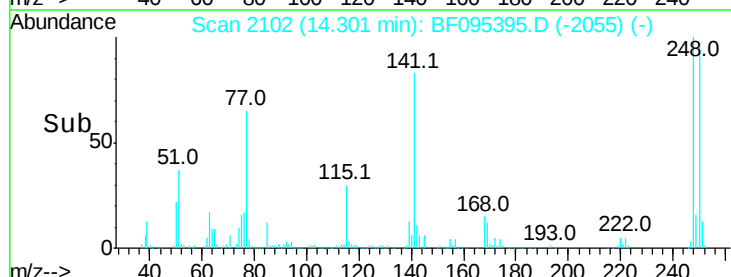
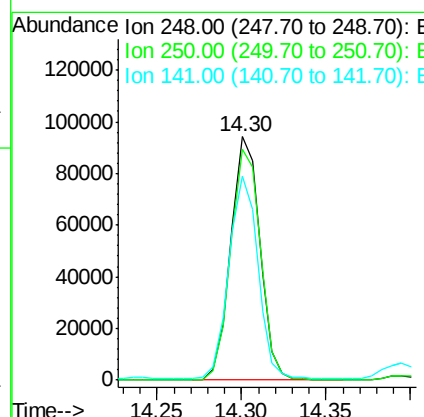
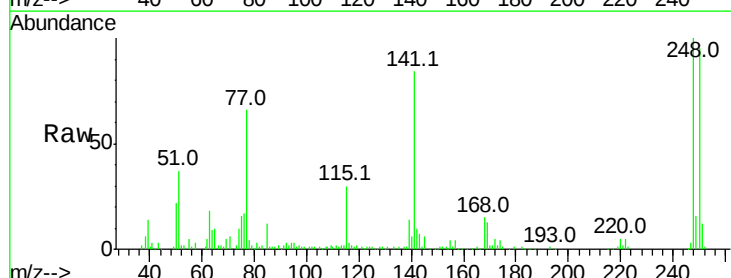
Manual Integrations  
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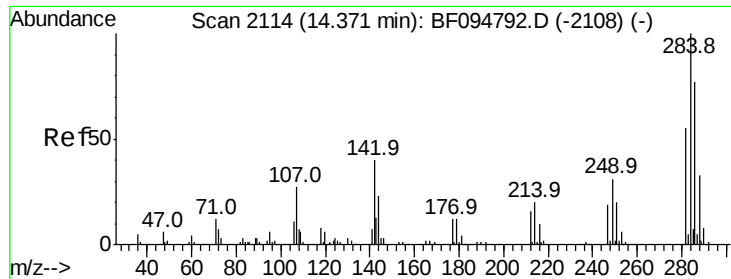
mohammad  
5/25/2017 6:00:22 PM



#66  
4-Bromophenyl-phenylether  
Concen: 51.86 ng  
RT: 14.30 min Scan# 2102  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 94.7  | 76.8 | 115.2 |       |
| 141     | 83.8  | 68.6 | 103.0 |       |





#67

Hexachlorobenzene

Concen: 45.03 ng

RT: 14.39 min Scan# 2118

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

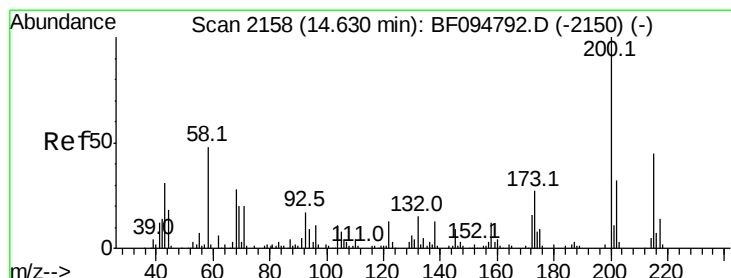
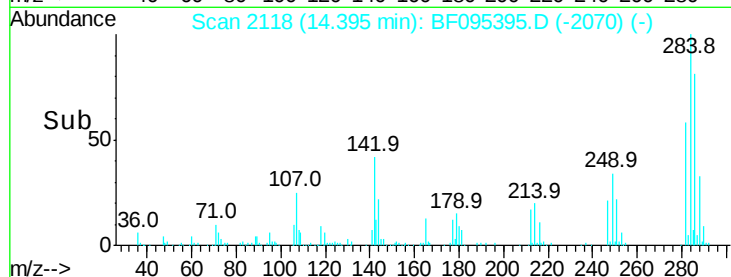
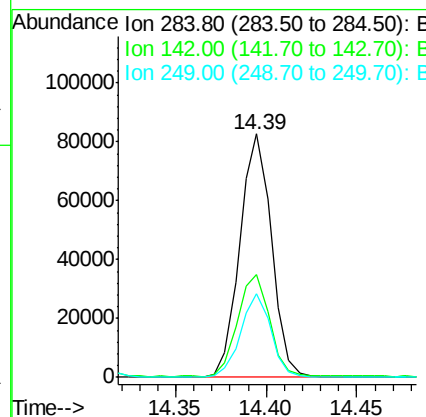
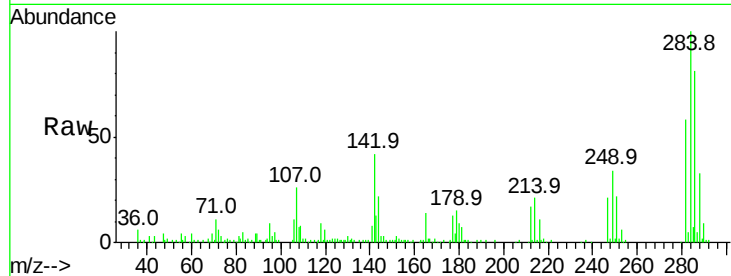
ClientSampleId :

POST-EX-38-20170517MSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 284  | Resp: | 100435 |
| Ion Ratio |      | Lower | Upper  |
| 284       | 100  |       |        |
| 142       | 42.2 | 22.8  | 34.2#  |
| 249       | 34.1 | 24.0  | 36.0   |

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5/25/2017 6:00:22 PM



#68

Atrazine

Concen: 52.78 ng

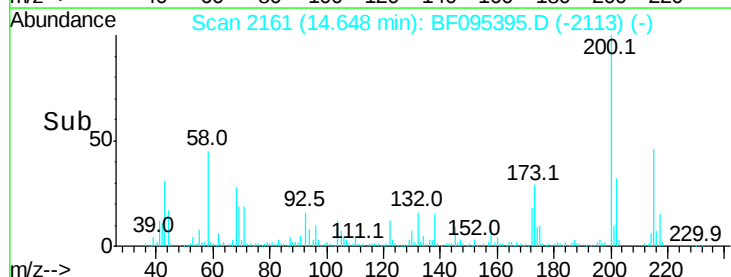
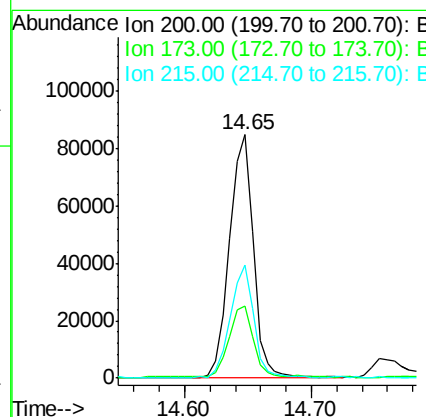
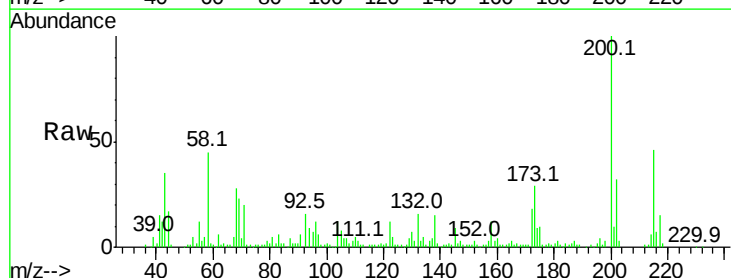
RT: 14.65 min Scan# 2161

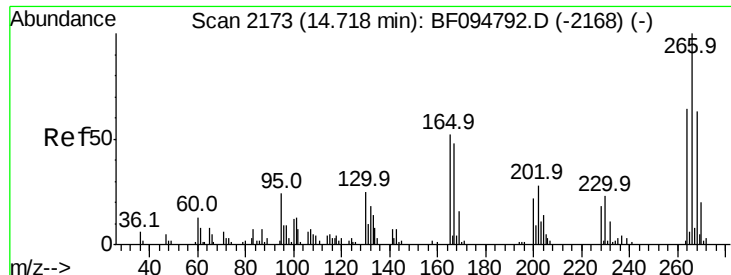
Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 200  | Resp: | 111426 |
| Ion Ratio |      | Lower | Upper  |
| 200       | 100  |       |        |
| 173       | 29.4 | 6.3   | 46.3   |
| 215       | 46.2 | 27.2  | 67.2   |





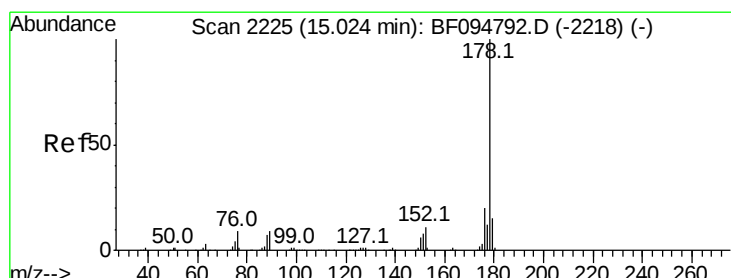
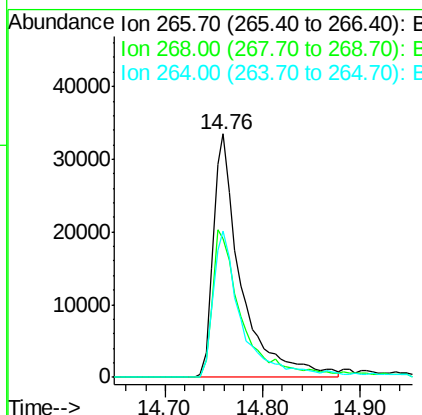
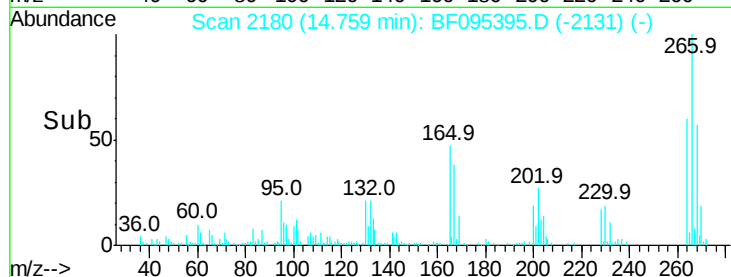
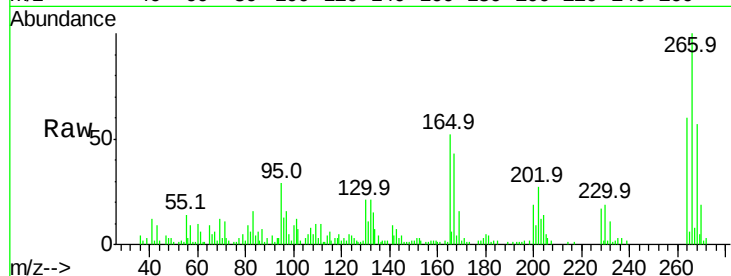
#69  
 Pentachlorophenol  
 Concen: 66.41 ng  
 RT: 14.76 min Scan# 2180  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 65893 |       |       |
| 268     | 56.8  |       | 51.1  | 76.7  |
| 264     | 60.3  |       | 51.7  | 77.5  |

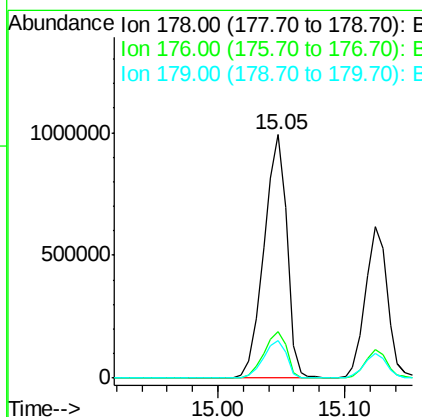
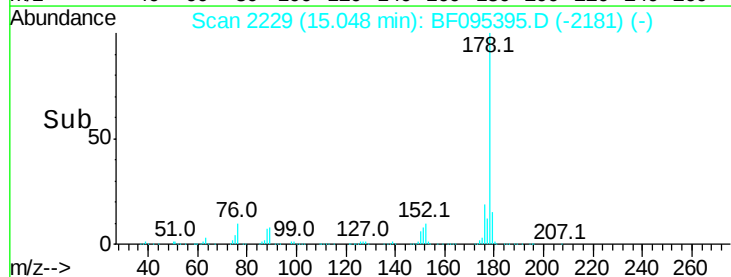
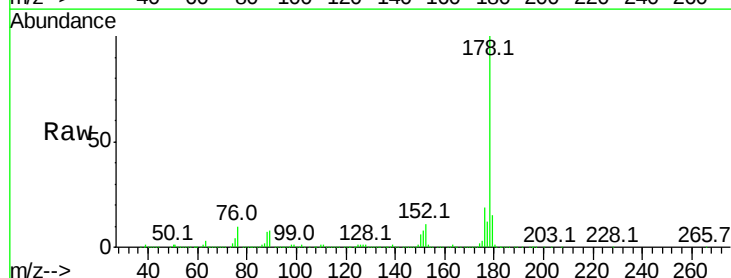
Manual Integrations  
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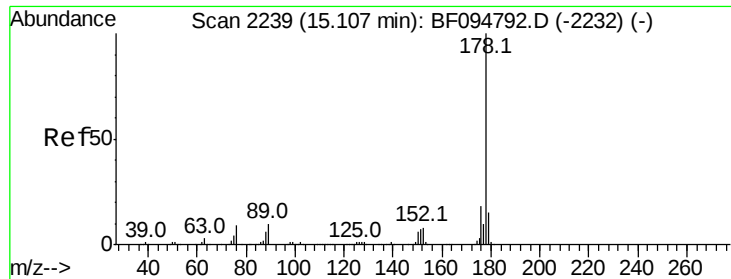
mohammad  
 5/25/2017 6:00:22 PM



#70  
 Phenanthrene  
 Concen: 105.20 ng  
 RT: 15.05 min Scan# 2229  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1245174 |       |       |
| 176     | 19.3  |         | 16.2  | 24.4  |
| 179     | 15.3  |         | 12.6  | 19.0  |





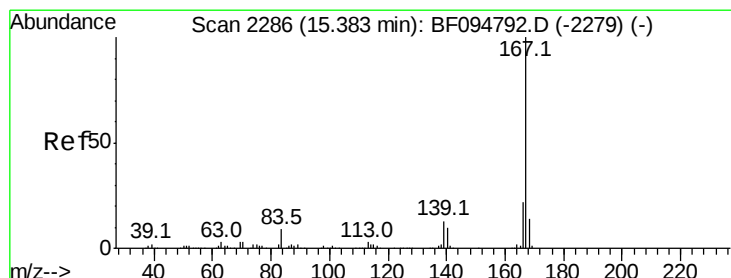
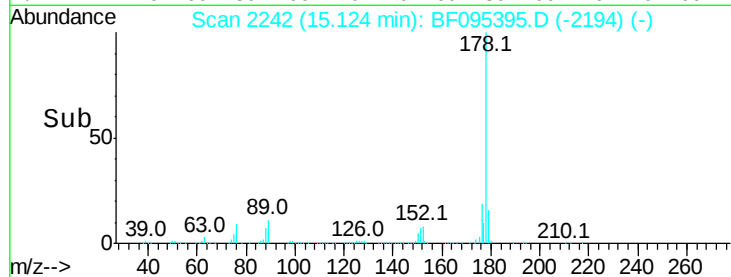
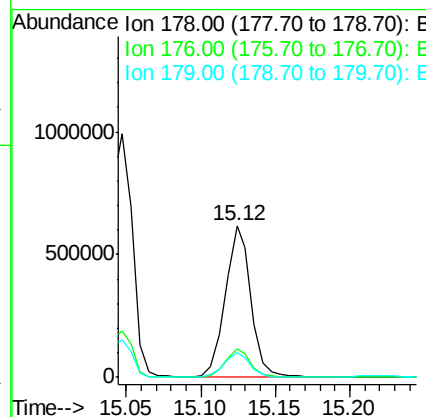
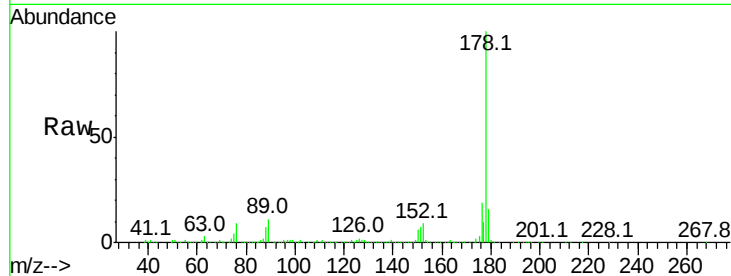
#71  
 Anthracene  
 Concen: 61.24 ng  
 RT: 15.12 min Scan# 2242  
 Delta R.T. -0.02 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.8  | 23.8  |
| 179     | 16.2  | 12.7  | 19.1  |

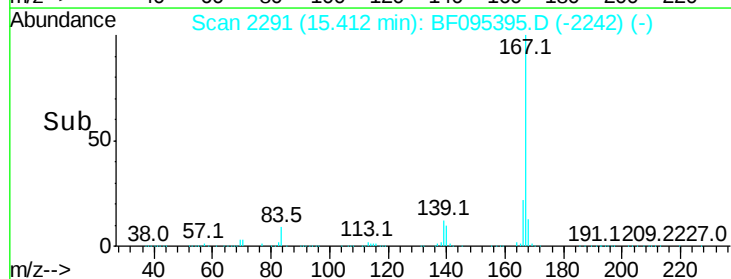
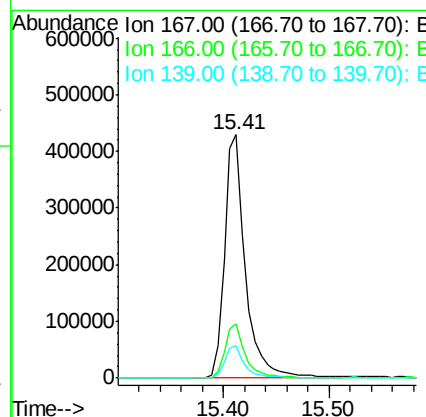
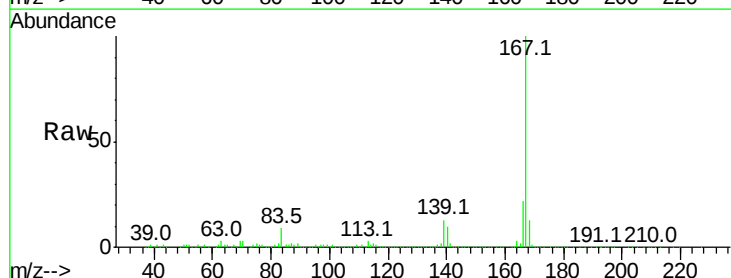
Manual Integrations  
 APPROVED

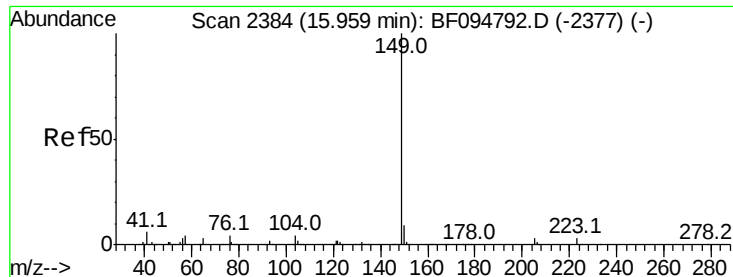
mohammad  
 5/25/2017 6:00:22 PM



#72  
 Carbazole  
 Concen: 53.63 ng  
 RT: 15.41 min Scan# 2291  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 18.1  | 27.1  |
| 139     | 13.3  | 11.7  | 17.5  |





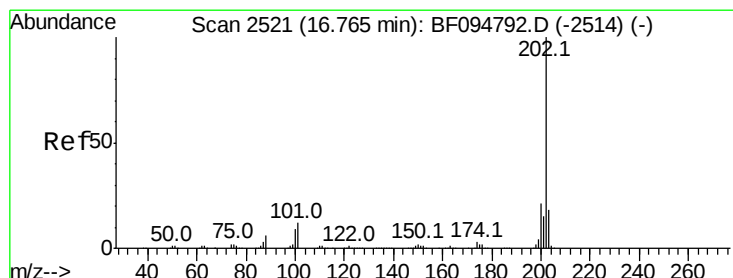
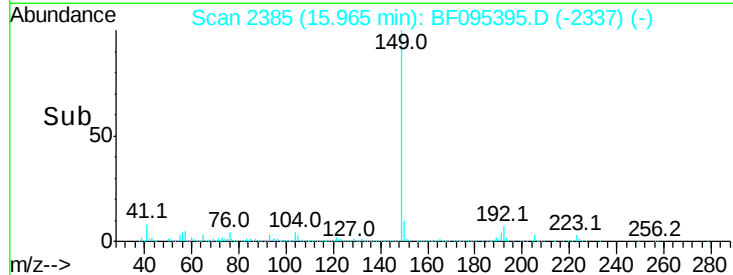
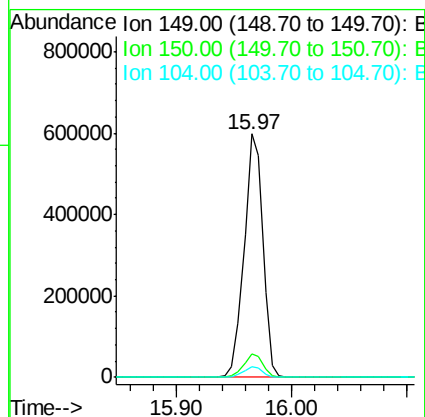
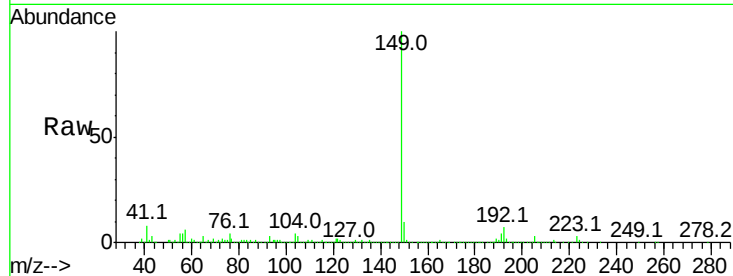
#73  
Di-n-butylphthalate  
Concen: 48.81 ng  
RT: 15.97 min Scan# 2385  
Delta R.T. -0.02 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 669581 |       |       |
| 150     | 9.7   |        | 7.7   | 11.5  |
| 104     | 4.4   |        | 4.0   | 6.0   |

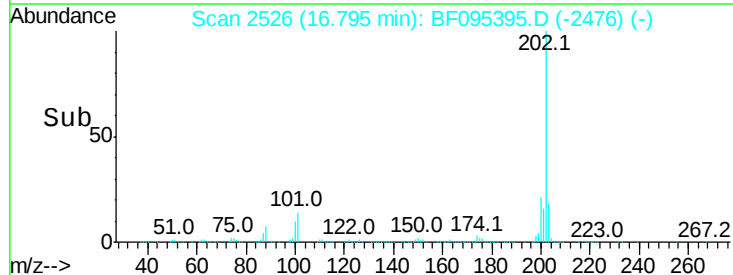
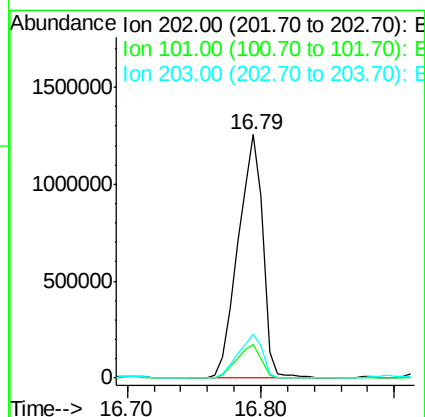
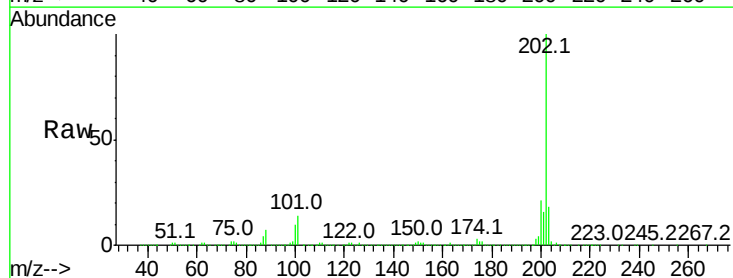
Manual Integrations  
APPROVED

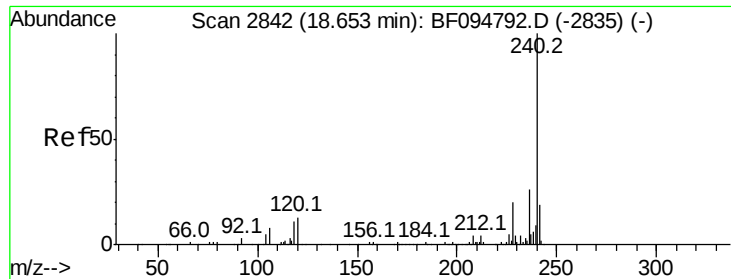
mohammad  
5/25/2017 6:00:22 PM



#74  
Fluoranthene  
Concen: 132.85 ng  
RT: 16.79 min Scan# 2526  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1613069 |       |       |
| 101     | 14.0  |         | 0.0   | 33.2  |
| 203     | 17.9  |         | 0.0   | 38.1  |





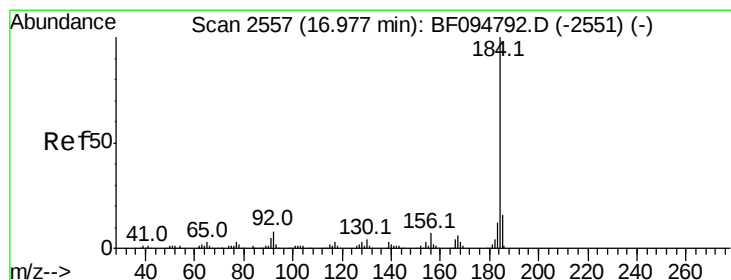
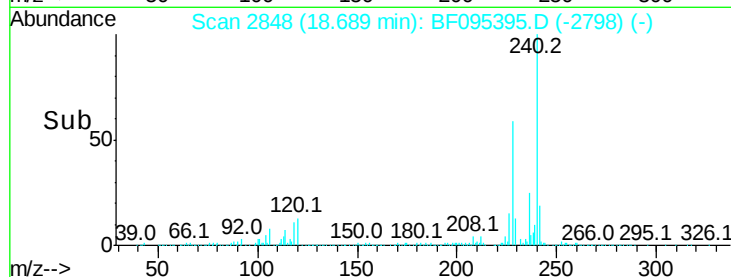
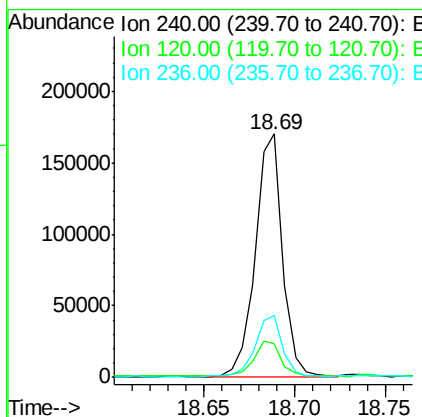
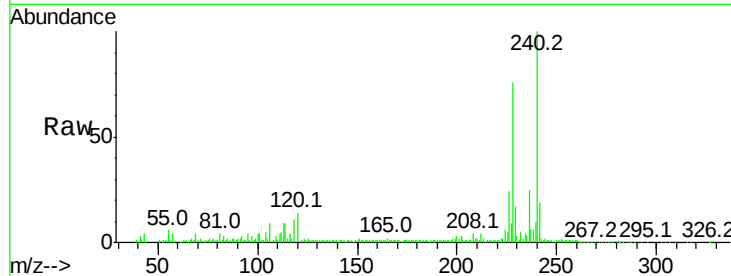
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.69 min Scan# 2848  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.7  | 5.8   | 8.8#  |
| 236     | 25.2  | 20.5  | 30.7  |

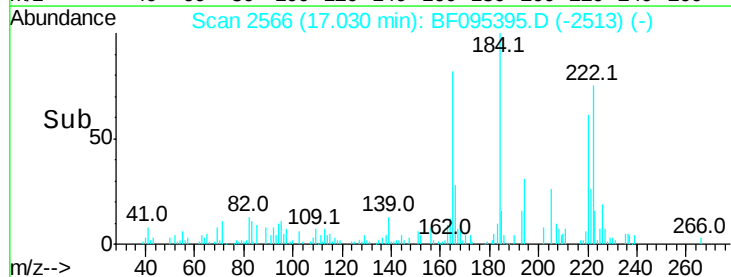
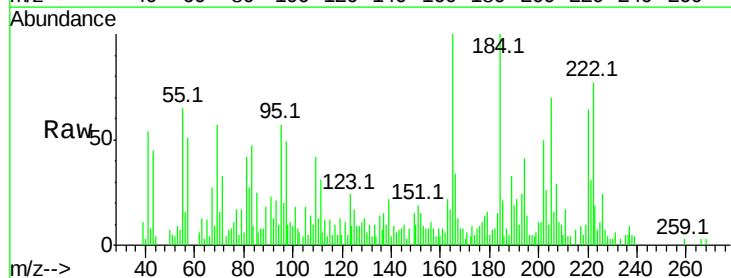
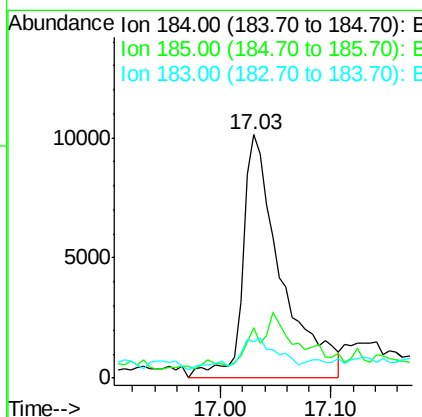
Manual Integrations  
 APPROVED

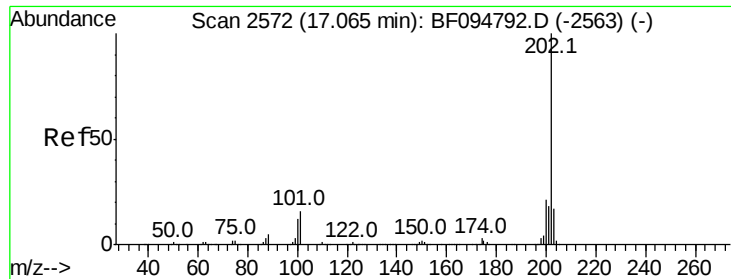
mohammad  
 5/25/2017 6:00:22 PM



#76  
 Benzidine  
 Concen: 11.05 ng  
 RT: 17.03 min Scan# 2566  
 Delta R.T. 0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 20.7  | 15.5  | 23.3  |
| 183     | 14.9  | 9.8   | 14.6# |





#77

Pvrene

Concen: 124.49 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

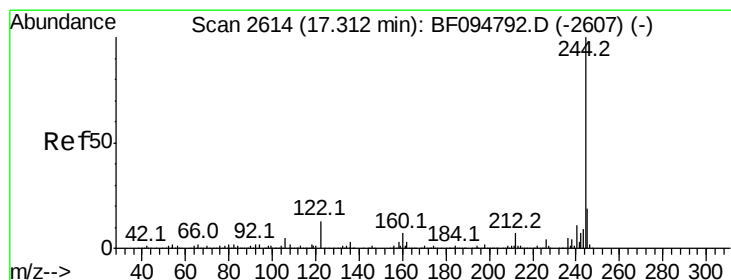
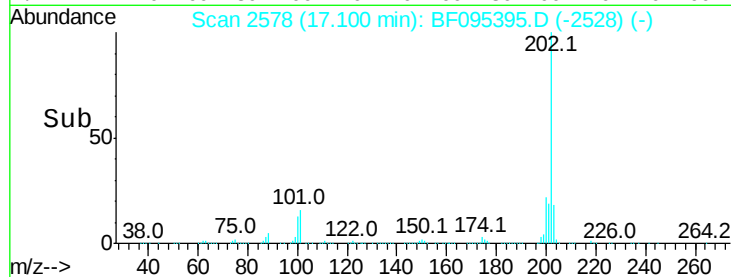
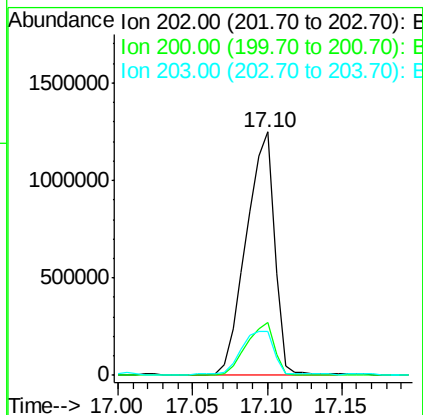
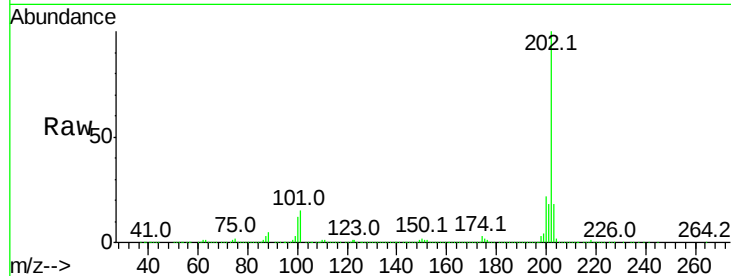
ClientSampleId :

POST-EX-38-20170517MSD

|             |               |
|-------------|---------------|
| Tot Ion:202 | Resp: 1643069 |
| Ion Ratio   | Lower Upper   |
| 202 100     |               |
| 200 21.6    | 17.6 26.4     |
| 203 17.8    | 14.4 21.6     |

Manual Integrations  
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5/25/2017 6:00:22 PM



#78

Terphenyl-d14

Concen: 85.76 ng

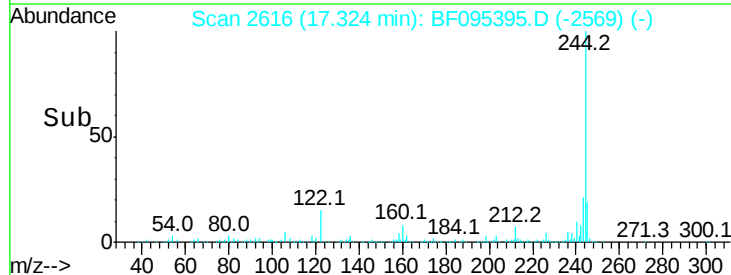
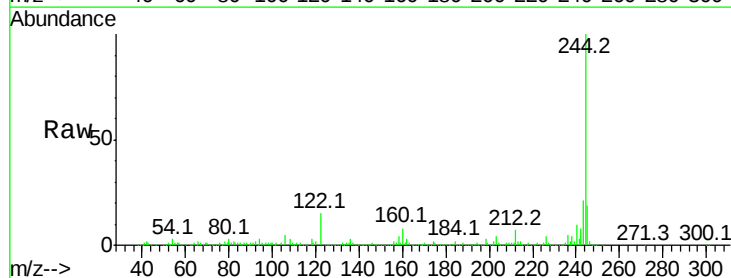
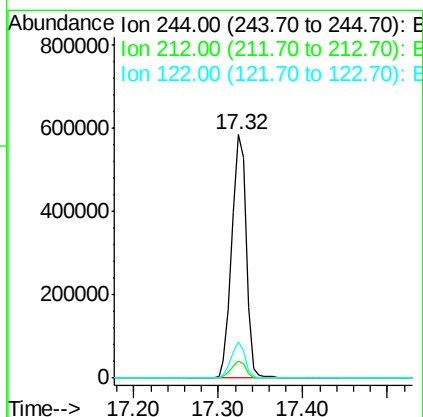
RT: 17.32 min Scan# 2616

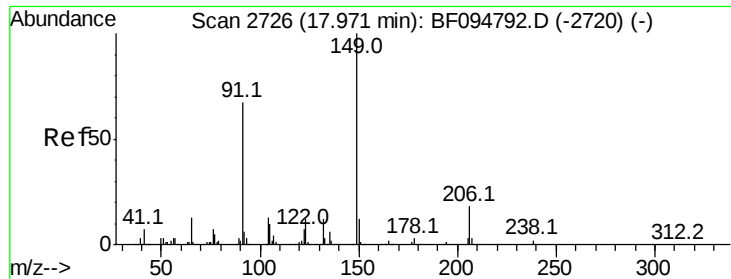
Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|             |              |
|-------------|--------------|
| Tgt Ion:244 | Resp: 687132 |
| Ion Ratio   | Lower Upper  |
| 244 100     |              |
| 212 6.9     | 6.0 9.0      |
| 122 14.7    | 10.3 15.5    |





#79

Butylbenzylphthalate

Concen: 46.92 ng

RT: 17.98 min Scan# 2728

Delta R.T. -0.02 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

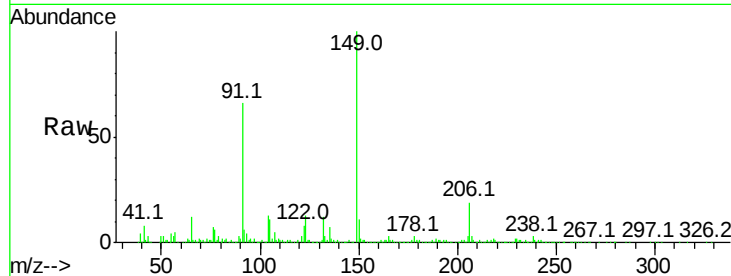
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 288056 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 66.5  | 45.0  | 67.4   |
| 206       | 18.9  | 17.0  | 25.6   |

Manual Integrations  
APPROVED

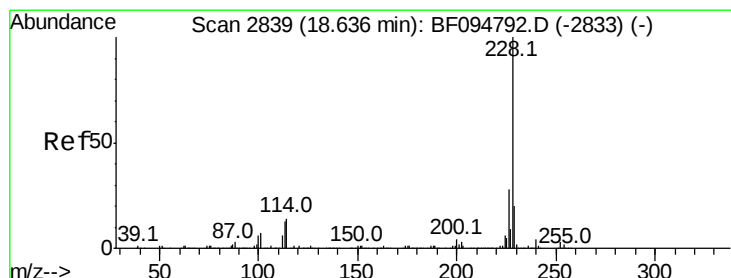
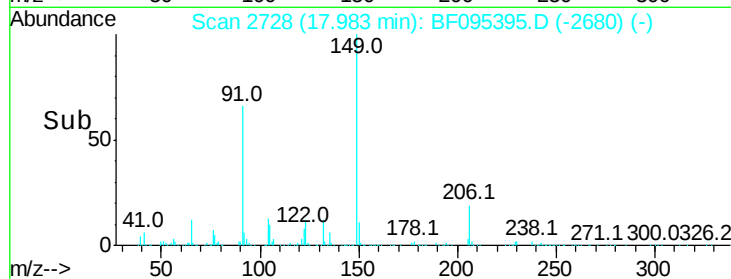
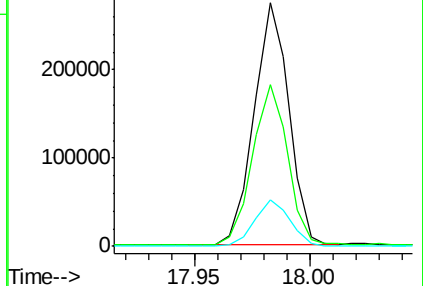
mohammad  
5/25/2017 6:00:22 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 97.92 ng

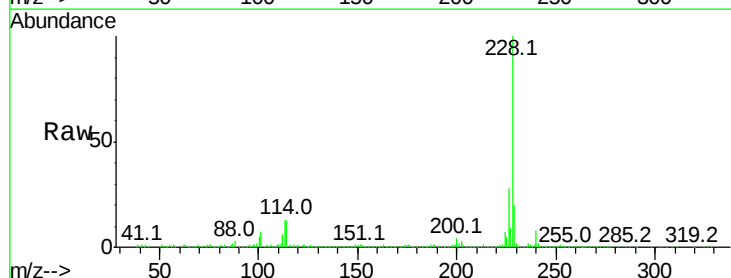
RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

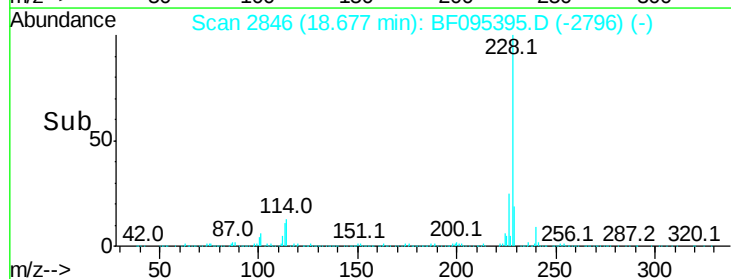
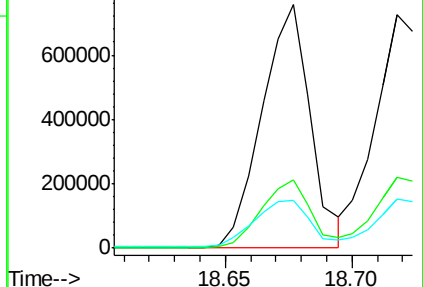
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1005727 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 226       | 27.8  | 22.6  | 33.8    |
| 229       | 19.8  | 16.3  | 24.5    |

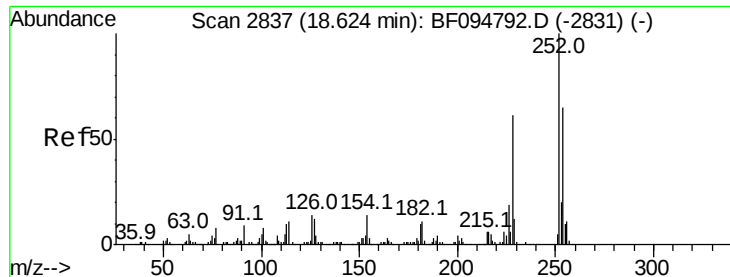


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





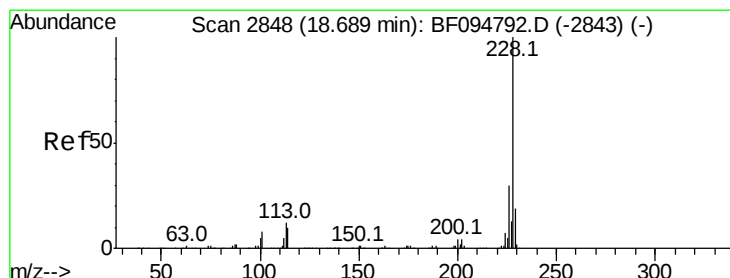
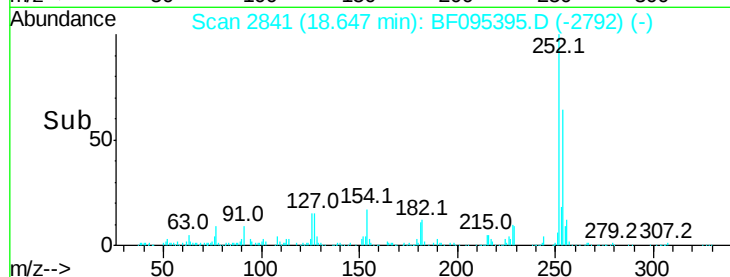
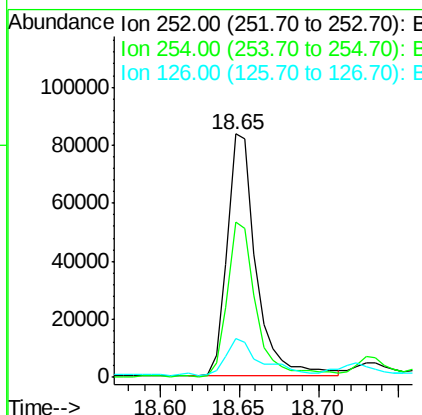
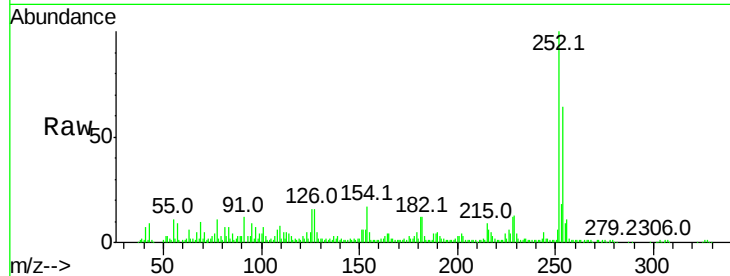
#81  
 3,3'-Dichlorobenzidine  
 Concen: 29.99 ng  
 RT: 18.65 min Scan# 2841  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 106380 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 63.8  | 51.5  | 77.3   |
| 126       | 16.1  | 15.8  | 23.8   |

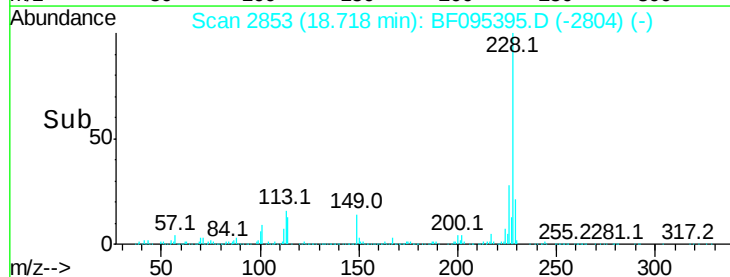
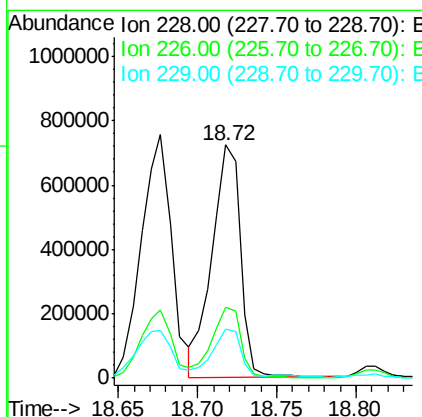
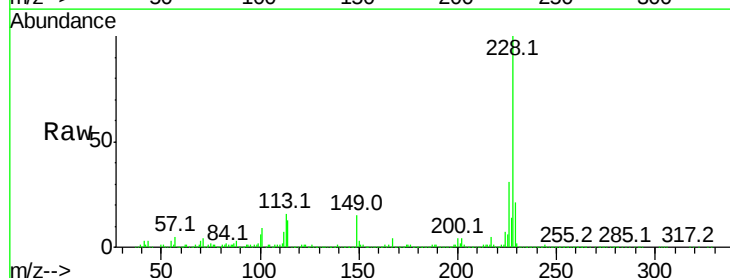
Manual Integrations  
 APPROVED

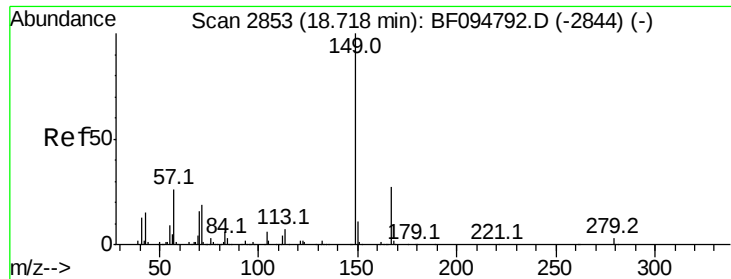
mohammad  
 5/25/2017 6:00:22 PM



#82  
 Chrysene  
 Concen: 91.40 ng  
 RT: 18.72 min Scan# 2853  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 907744 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.7  | 24.9  | 37.3   |
| 229       | 21.1  | 15.8  | 23.6   |





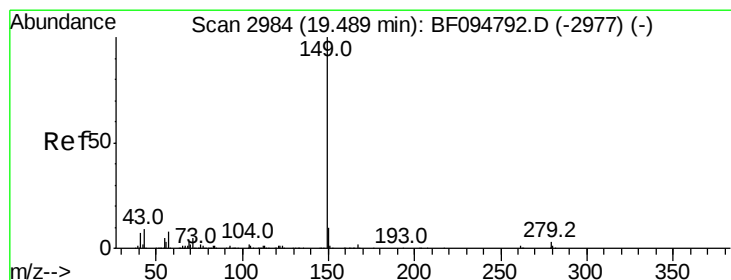
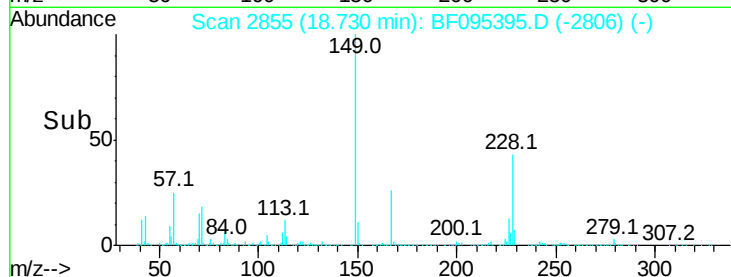
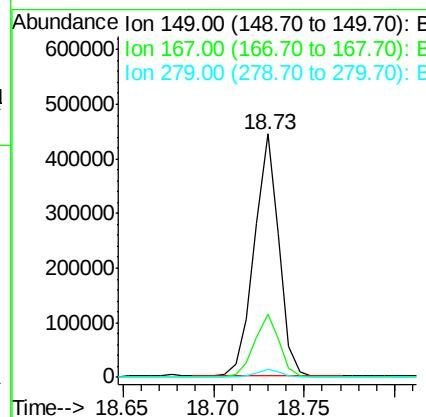
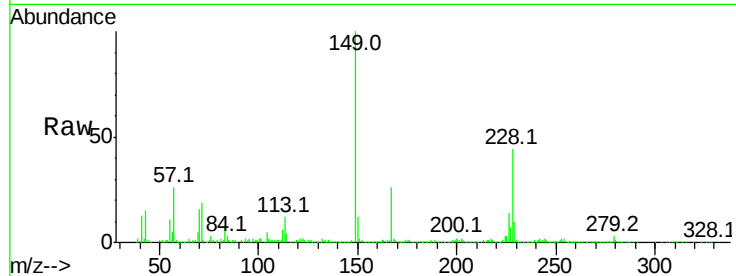
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.41 ng  
 RT: 18.73 min Scan# 2855  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 25.9  | 21.0 | 31.4  |       |
| 279     | 3.1   | 1.9  | 2.9   |       |

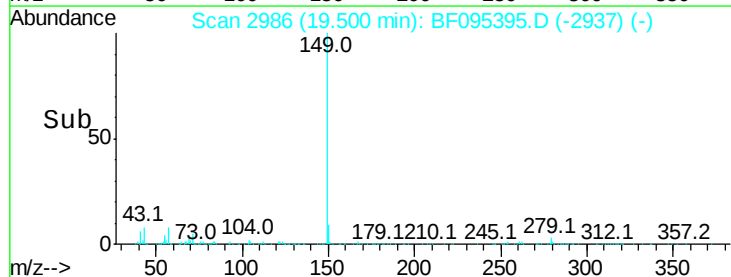
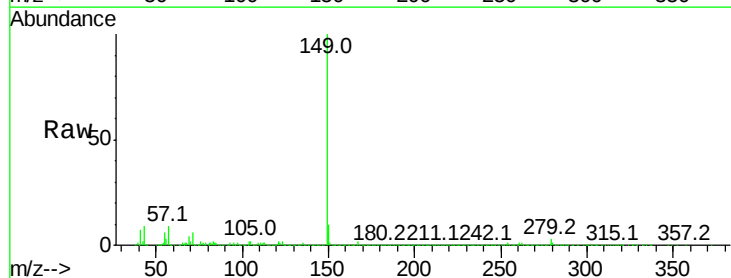
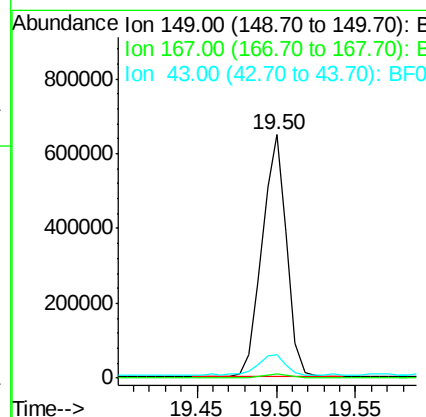
Manual Integrations  
 APPROVED

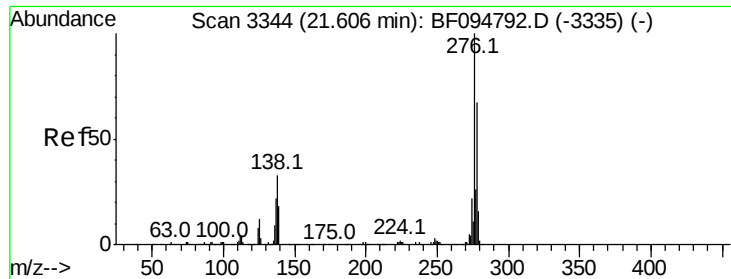
mohammad  
 5/25/2017 6:00:22 PM



#84  
 Di-n-octyl phthalate  
 Concen: 48.52 ng  
 RT: 19.50 min Scan# 2986  
 Delta R.T. -0.01 min  
 Lab File: BF095395.D  
 Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.5   | 1.2  | 1.8   |       |
| 43      | 9.2   | 8.5  | 12.7  |       |





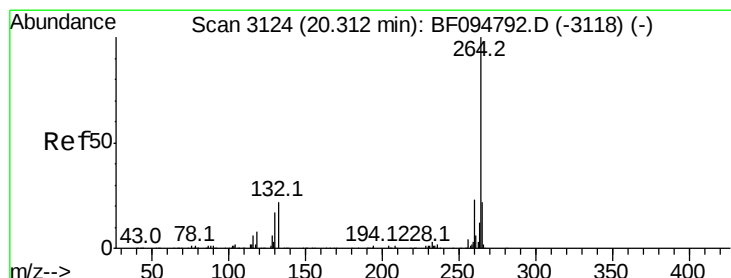
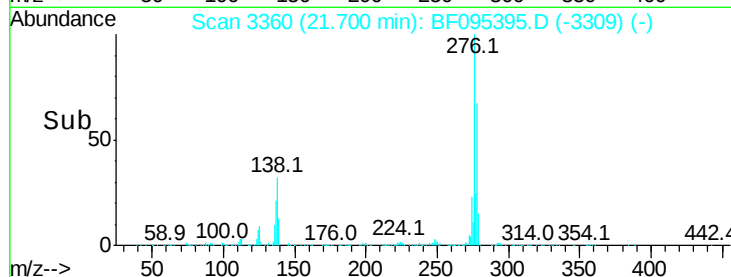
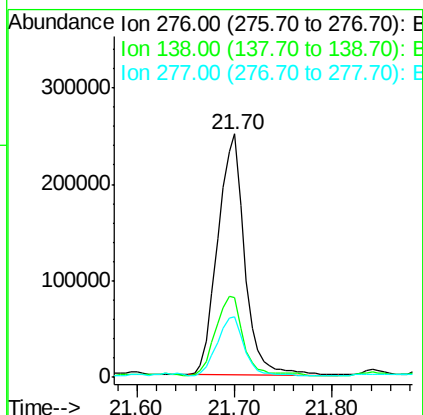
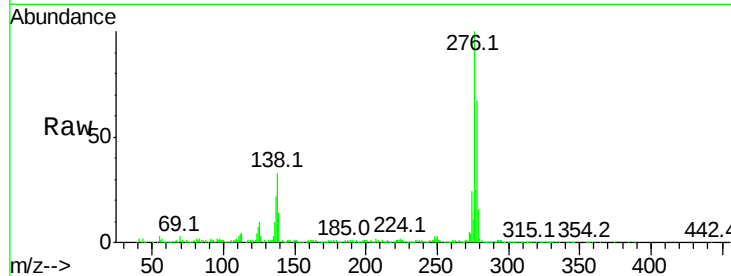
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 59.09 ng  
RT: 21.70 min Scan# 3360  
Delta R.T. -0.00 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 32.8  | 27.8  | 41.6  |
| 277     | 25.2  | 20.2  | 30.4  |

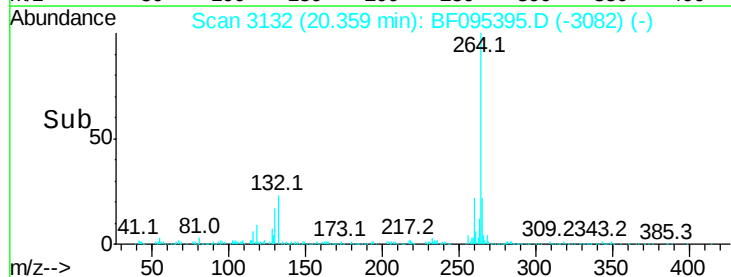
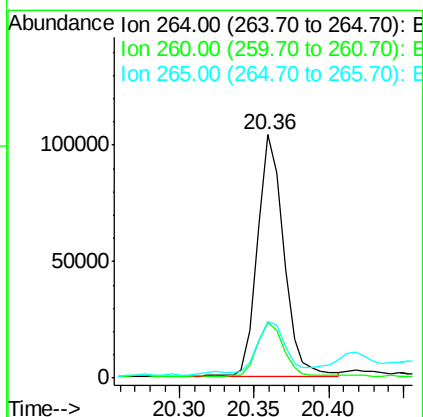
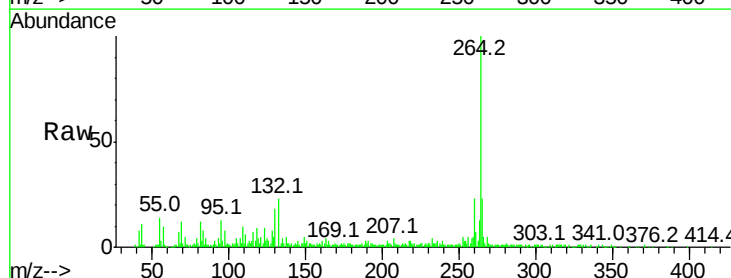
Manual Integrations  
APPROVED

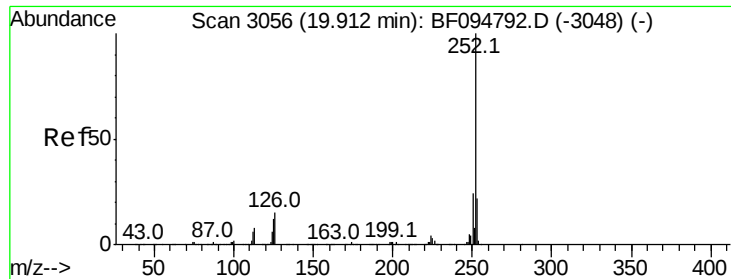
mohammad  
5/25/2017 6:00:22 PM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 20.36 min Scan# 3132  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.5  | 29.3  |
| 265     | 23.3  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 107.09 ng

RT: 19.96 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

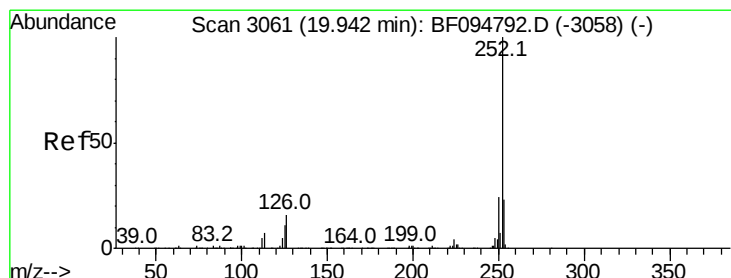
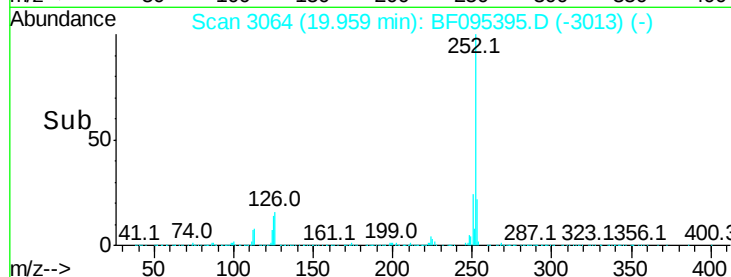
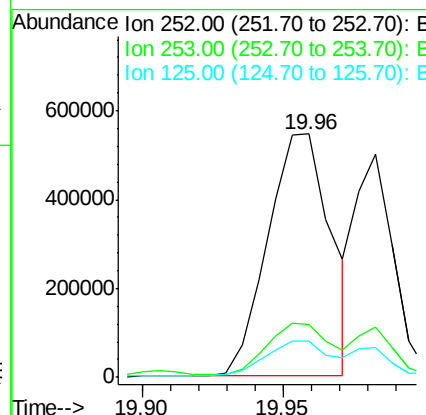
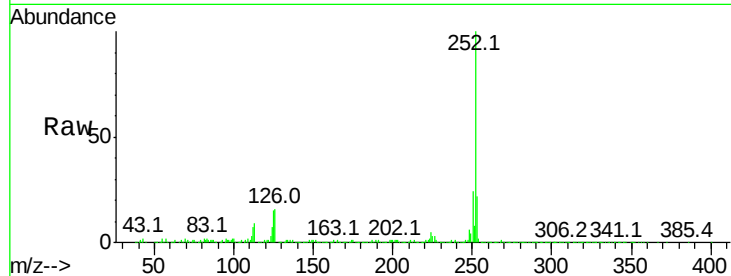
ClientSampleId :

POST-EX-38-20170517MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 844696 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 18.1  | 27.1   |
| 125       | 14.6  | 9.8   | 14.8   |

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#88

Benzo(k)fluoranthene

Concen: 62.22 ng

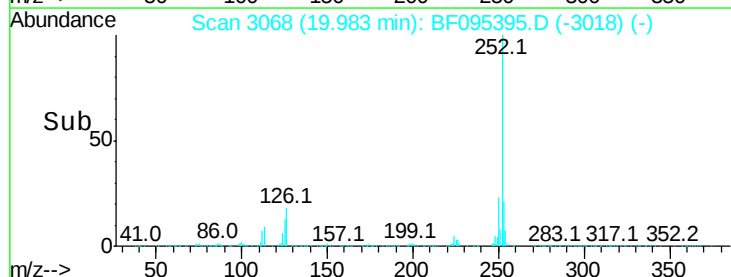
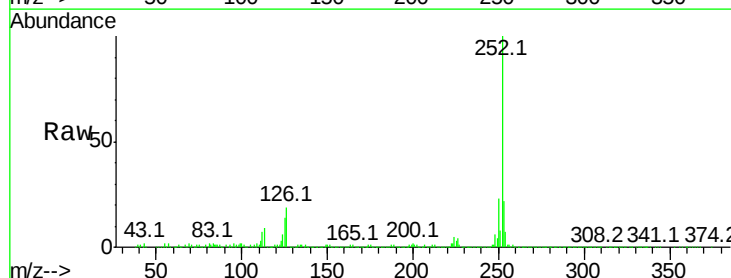
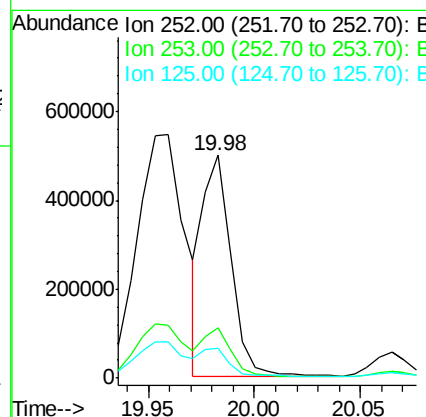
RT: 19.98 min Scan# 3068

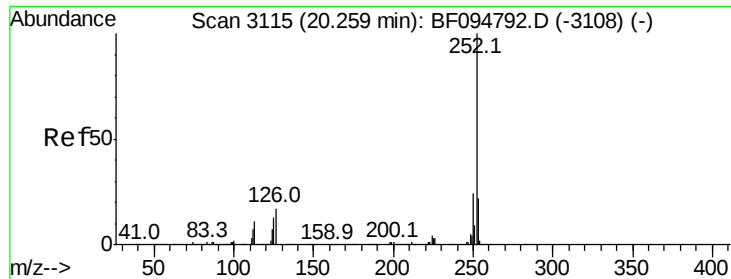
Delta R.T. -0.01 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 473396 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.4  | 27.6   |
| 125       | 13.6  | 13.1  | 19.7   |





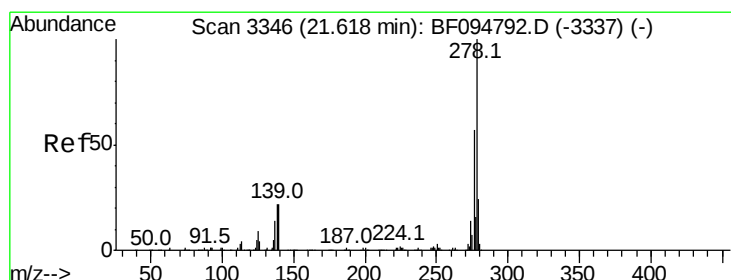
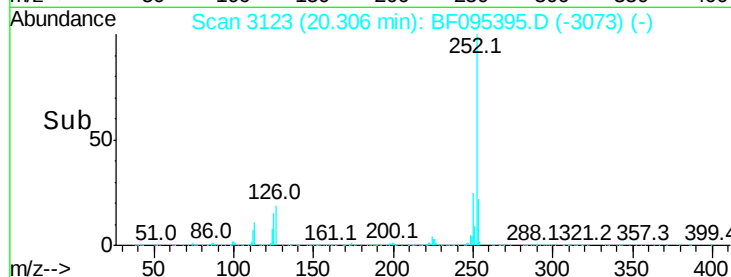
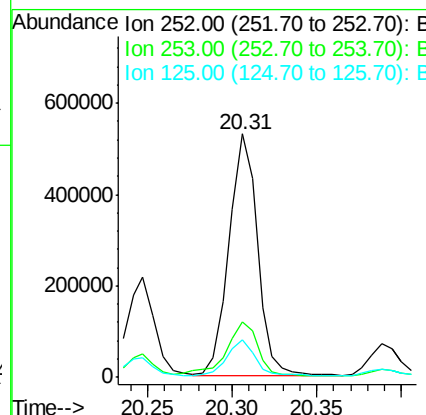
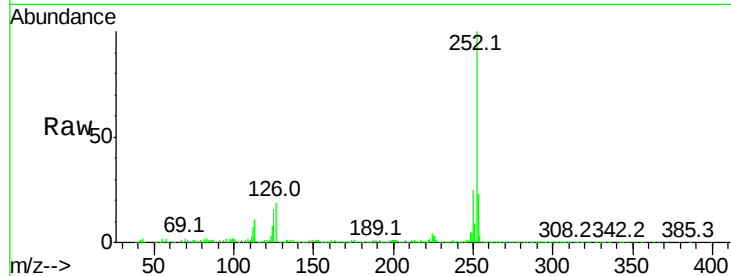
#89  
Benzo(a)pyrene  
Concen: 86.03 ng  
RT: 20.31 min Scan# 3123  
Delta R.T. -0.01 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EX-38-20170517MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.5  | 26.3  |
| 125     | 15.6  | 11.0  | 16.4  |

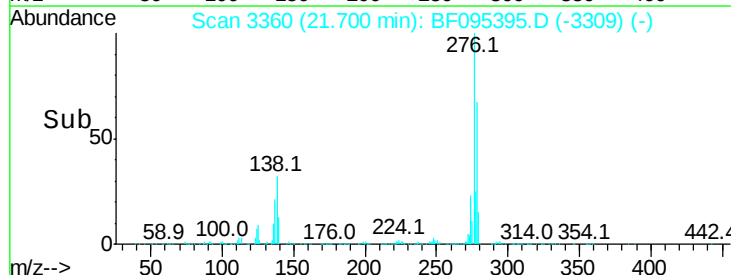
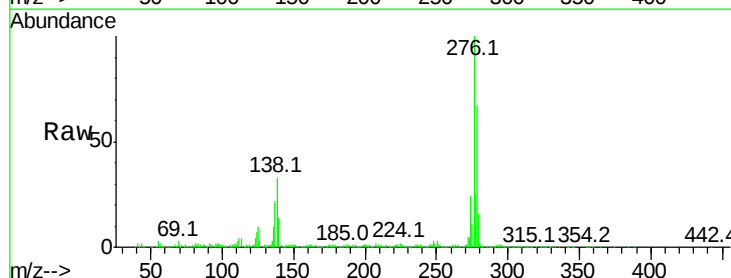
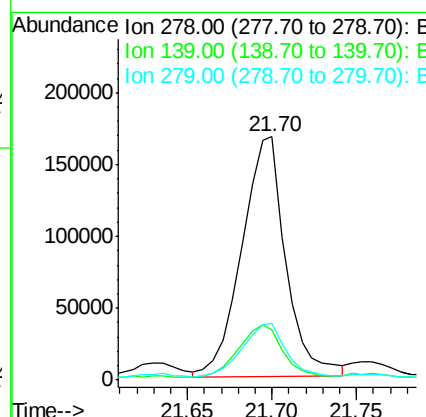
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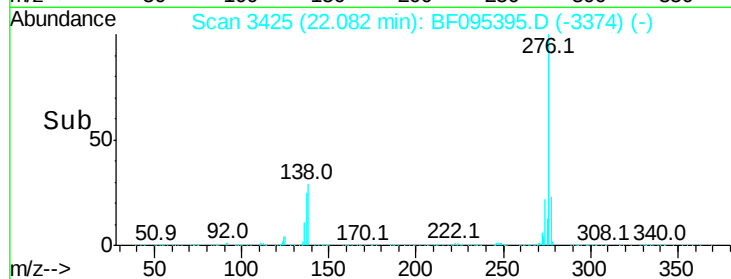
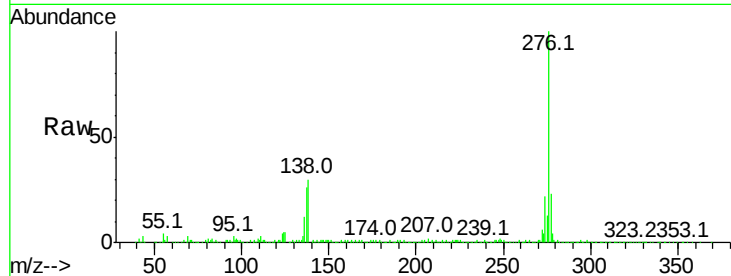
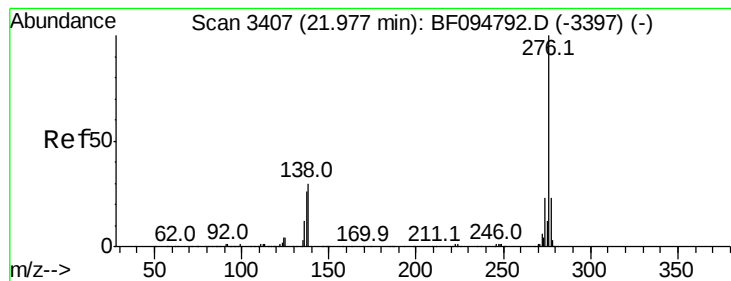
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.14 ng  
RT: 21.70 min Scan# 3360  
Delta R.T. -0.00 min  
Lab File: BF095395.D  
Acq: 24 May 2017 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.4  | 16.6  | 24.8  |
| 279     | 23.5  | 19.3  | 28.9  |





#91

Benzo(a,h,i)perylene

Concen: 78.84 ng

RT: 22.08 min Scan# 3425

Delta R.T. -0.00 min

Lab File: BF095395.D

Acq: 24 May 2017 18:27

Instrument :

BNA\_F

ClientSampleId :

POST-EX-38-20170517MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 277     | 23.4  | 18.6 | 28.0  |       |
| 138     | 29.6  | 25.4 | 38.0  |       |

Manual Integrations  
APPROVED

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5/25/2017 6:00:22 PM

