

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\  
 Data File : BF095570.D  
 Acq On : 31 May 2017 18:31  
 Operator : SJ/MA  
 Sample : I3329-06MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

Manual Integrations  
 APPROVED

mohammad

6/1/2017 2:20:01 PM

Quant Time: Jun 01 05:16:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 01 04:09:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 101850   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.58  | 136  | 404183   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.41 | 164  | 200494   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 14.81 | 188  | 343829   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.51 | 240  | 194652   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.18 | 264  | 189375   | 20.00 | ng    | 0.00     |

#### System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 941045  | 154.04 | ng | 0.01 |
| 7) Phenol-d6             | 7.12  | 99  | 1146322 | 156.39 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.47  | 82  | 697829  | 108.87 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.71 | 330 | 225703  | 137.46 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.37 | 172 | 1267157 | 90.97  | ng | 0.00 |
| 78) Terphenyl-d14        | 17.17 | 244 | 965894  | 109.29 | ng | 0.00 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.93  | 88  | 122453 | 40.87 | ng | 95     |
| 3) Pyridine                    | 2.52  | 79  | 286232 | 41.22 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.48  | 42  | 136104 | 47.02 | ng | 84     |
| 6) Aniline                     | 7.05  | 93  | 228726 | 24.72 | ng | 96     |
| 8) 2-Chlorophenol              | 7.24  | 128 | 363094 | 52.22 | ng | 96     |
| 9) Benzaldehyde                | 6.87  | 77  | 81241  | 18.15 | ng | 99     |
| 10) Phenol                     | 7.13  | 94  | 440842 | 57.07 | ng | 93     |
| 11) bis(2-Chloroethyl)ether    | 7.20  | 93  | 309908 | 48.60 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.45  | 146 | 376580 | 47.74 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.58  | 146 | 379552 | 47.45 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.81  | 146 | 358401 | 48.00 | ng | 96     |
| 15) Benzyl Alcohol             | 7.85  | 79  | 297039 | 63.01 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.05  | 45  | 438706 | 48.61 | ng | 96     |
| 17) 2-Methylphenol             | 8.08  | 107 | 281699 | 49.50 | ng | 96     |
| 18) Hexachloroethane           | 8.33  | 117 | 124727 | 46.03 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 8.28  | 70  | 256613 | 51.76 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.35  | 107 | 398771 | 51.57 | ng | # 61   |
| 22) Acetophenone               | 8.24  | 105 | 499462 | 51.50 | ng | # 85   |
| 24) Nitrobenzene               | 8.50  | 77  | 359982 | 53.58 | ng | 94     |
| 25) Isophorone                 | 8.90  | 82  | 650136 | 56.80 | ng | 95     |
| 26) 2-Nitrophenol              | 9.01  | 139 | 196305 | 54.15 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.15  | 122 | 313232 | 53.44 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.27  | 93  | 429736 | 54.28 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.45  | 162 | 290647 | 52.52 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.51  | 180 | 268341 | 45.26 | ng | 99     |
| 31) Naphthalene                | 9.62  | 128 | 965716 | 47.54 | ng | 100    |
| 33) 4-Chloroaniline            | 9.78  | 127 | 191797 | 25.34 | ng | # 92   |
| 34) Hexachlorobutadiene        | 9.84  | 225 | 142991 | 45.71 | ng | 97     |
| 35) Caprolactam                | 10.39 | 113 | 98551m | 59.30 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 10.64 | 107 | 333004 | 56.28 | ng | 91     |
| 37) 2-Methylnaphthalene        | 10.75 | 142 | 713899 | 53.55 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.02 | 216 | 273994 | 44.44 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 11.00 | 237 | 119082 | 48.52 | ng | 97     |
| 42) 2,4,6-Trichlorophenol      | 11.25 | 196 | 179653 | 43.64 | ng | 99     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

Manual Integrations  
 APPROVED

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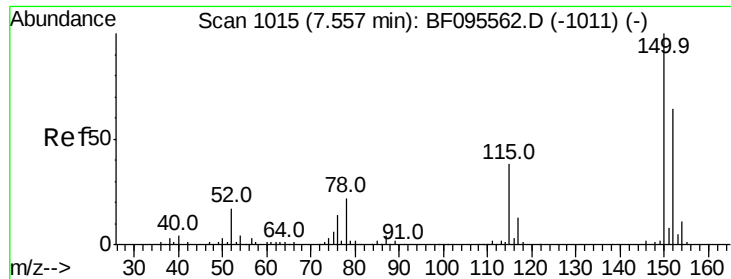
6/1/2017 2:20:01 PM

Quant Time: Jun 01 05:16:28 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 11.35 | 196  | 184680   | 41.74 | nq    | 94       |
| 45) 1,1'-Biphenyl              | 11.51 | 154  | 789642   | 46.78 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 11.53 | 162  | 615917   | 45.19 | nq    | 96       |
| 47) 2-Nitroaniline             | 11.75 | 65   | 192215   | 51.52 | nq    | # 80     |
| 48) Acenaphthylene             | 12.18 | 152  | 1002778  | 46.97 | nq    | 98       |
| 49) Dimethylphthalate          | 12.07 | 163  | 939370   | 57.07 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 12.17 | 165  | 169401   | 50.45 | nq    | 93       |
| 51) Acenaphthene               | 12.47 | 154  | 573766   | 45.00 | nq    | 99       |
| 52) 3-Nitroaniline             | 12.43 | 138  | 120257   | 33.37 | nq    | 88       |
| 53) 2,4-Dinitrophenol          | 12.69 | 184  | 8923m    | 10.69 | nq    |          |
| 54) Dibenzofuran               | 12.75 | 168  | 887865   | 50.32 | nq    | 99       |
| 55) 4-Nitrophenol              | 12.83 | 139  | 141605   | 65.42 | nq    | # 68     |
| 56) 2,4-Dinitrotoluene         | 12.83 | 165  | 230037   | 53.31 | nq    | # 88     |
| 57) Fluorene                   | 13.31 | 166  | 702360   | 45.77 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.00 | 232  | 122083   | 43.84 | nq    | # 94     |
| 59) Diethylphthalate           | 13.21 | 149  | 731714   | 46.38 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.34 | 204  | 309391   | 45.88 | nq    | 89       |
| 61) 4-Nitroaniline             | 13.43 | 138  | 164698   | 49.78 | nq    | 95       |
| 62) Azobenzene                 | 13.59 | 77   | 665752   | 52.52 | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 13.51 | 198  | 37949    | 16.46 | nq    | 78       |
| 65) n-Nitrosodiphenylamine     | 13.55 | 169  | 626078   | 50.17 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 14.12 | 248  | 177603   | 48.89 | nq    | 98       |
| 67) Hexachlorobenzene          | 14.21 | 284  | 174364   | 46.84 | nq    | # 88     |
| 68) Atrazine                   | 14.47 | 200  | 188113   | 53.39 | nq    | 96       |
| 69) Pentachlorophenol          | 14.57 | 266  | 73758    | 46.47 | nq    | 97       |
| 70) Phenanthrene               | 14.85 | 178  | 956321   | 48.41 | nq    | 98       |
| 71) Anthracene                 | 14.94 | 178  | 985967   | 48.86 | nq    | 99       |
| 72) Carbazole                  | 15.22 | 167  | 941525   | 51.28 | nq    | 98       |
| 73) Di-n-butylphthalate        | 15.80 | 149  | 1089878  | 47.60 | nq    | 99       |
| 74) Fluoranthene               | 16.61 | 202  | 927212   | 45.75 | nq    | 99       |
| 76) Benzidine                  | 16.84 | 184  | 242843   | 46.39 | nq    | # 93     |
| 77) Pyrene                     | 16.91 | 202  | 899893   | 61.82 | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.82 | 149  | 418910   | 61.87 | nq    | 88       |
| 80) Benzo(a)anthracene         | 18.49 | 228  | 588174   | 51.92 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.48 | 252  | 153840   | 39.32 | nq    | 97       |
| 82) Chrysene                   | 18.54 | 228  | 525436   | 47.97 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 18.57 | 149  | 520292   | 53.93 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 19.34 | 149  | 853747   | 53.97 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.43 | 276  | 591258   | 66.47 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.78 | 252  | 560796   | 47.92 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 19.80 | 252  | 509395   | 45.13 | nq    | 98       |
| 89) Benzo(a)pyrene             | 20.12 | 252  | 510851   | 47.31 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 21.42 | 278  | 487260   | 54.64 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 21.78 | 276  | 518239   | 59.22 | nq    | 99       |

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





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.55 min Scan# 972  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

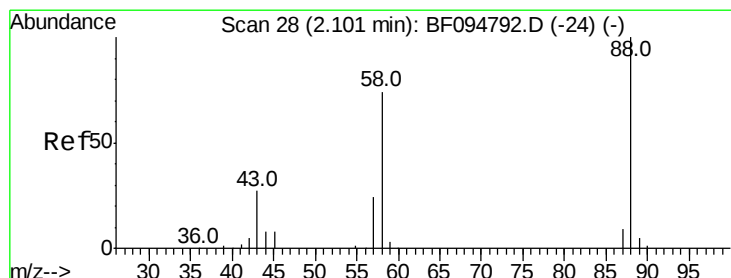
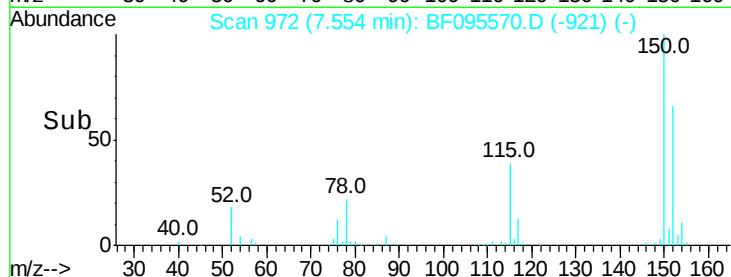
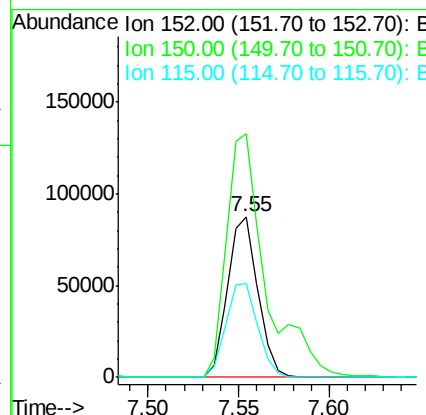
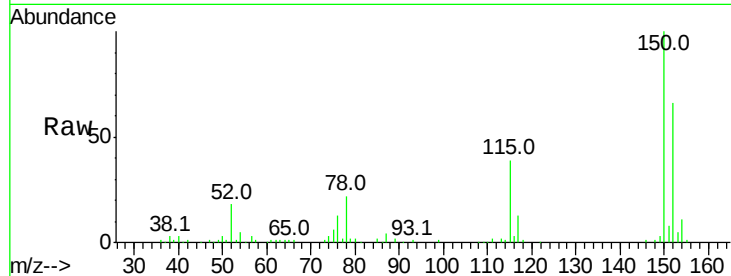
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 101850 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 151.8 | 126.2 | 189.2  |
| 115       | 58.5  | 52.2  | 78.2   |

Manual Integrations  
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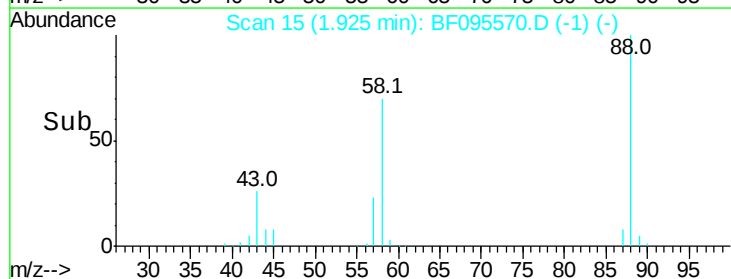
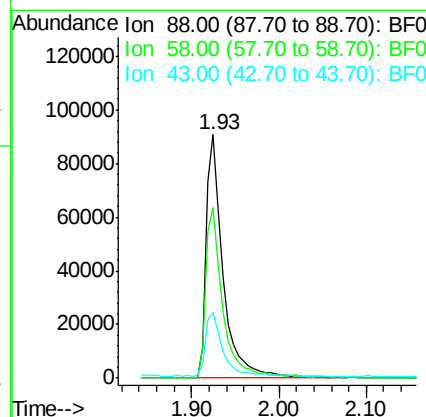
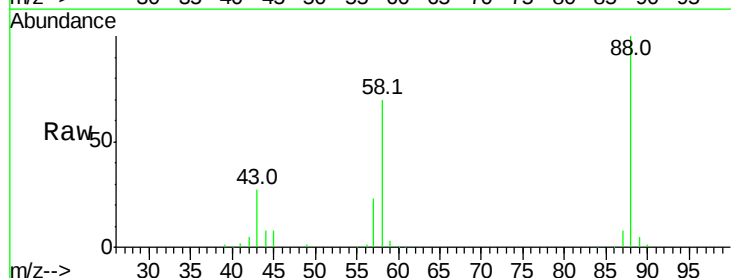
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#2  
 1,4-Dioxane  
 Concen: 40.87 ng  
 RT: 1.93 min Scan# 15  
 Delta R.T. 0.05 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 122453 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 70.9  | 61.4  | 92.0   |
| 43        | 28.2  | 23.4  | 35.0   |





#3  
 Pvridine  
 Concen: 41.22 ng  
 RT: 2.52 min Scan# 116  
 Delta R.T. 0.05 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

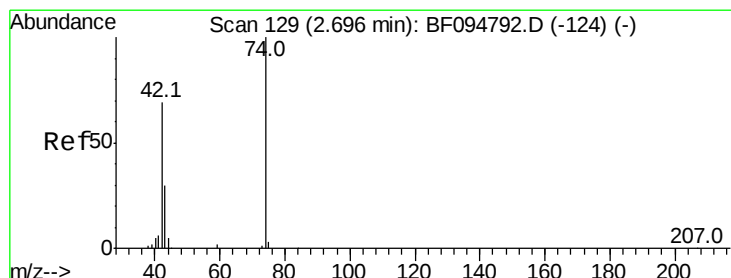
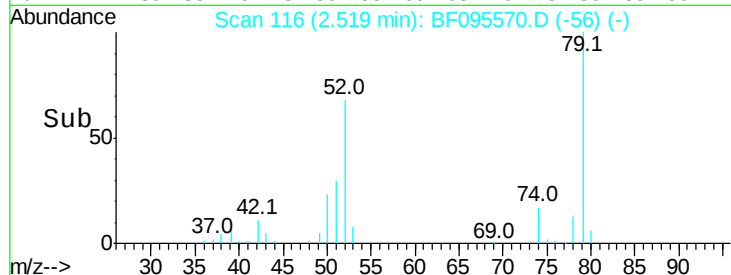
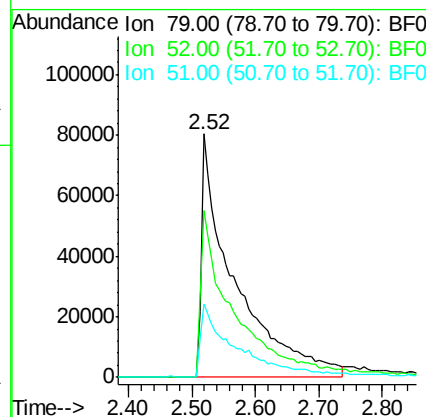
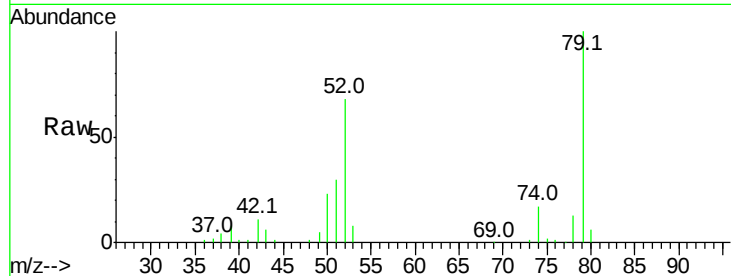
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 79      | 100  |       |       |       |
| 52      | 68.4 | 54.8  | 82.2  |       |
| 51      | 29.9 | 27.0  | 40.4  |       |

Manual Integrations  
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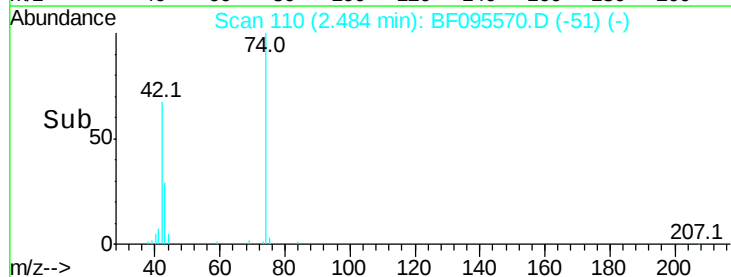
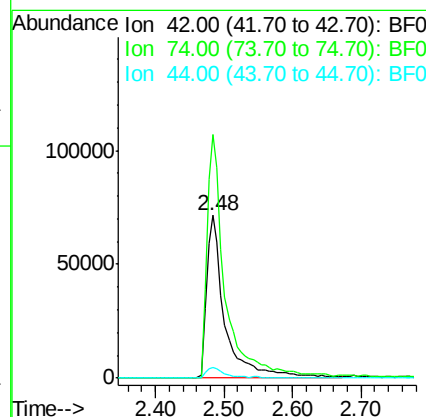
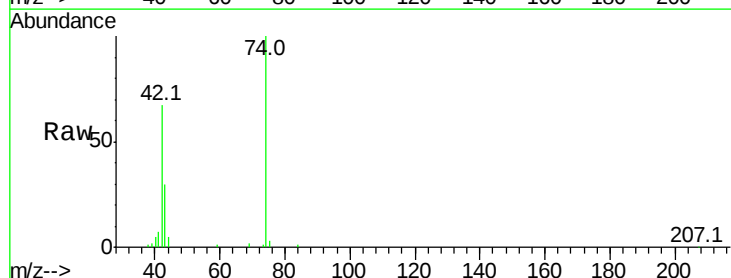
mohammad

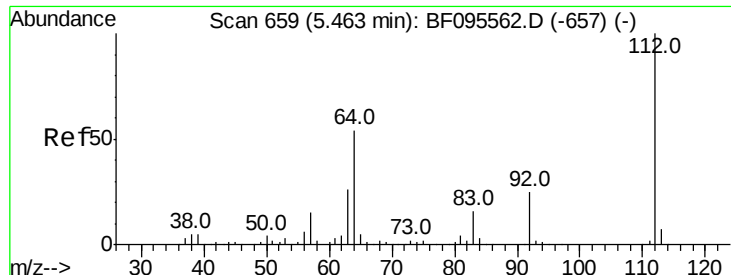
6/1/2017 2:20:01 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 47.02 ng  
 RT: 2.48 min Scan# 110  
 Delta R.T. 0.04 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 42      | 100   |       |       |       |
| 74      | 149.4 | 103.9 | 155.9 |       |
| 44      | 6.9   | 5.7   | 8.5   |       |





#5

2-Fluorophenol

Concen: 154.04 ng

RT: 5.48 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

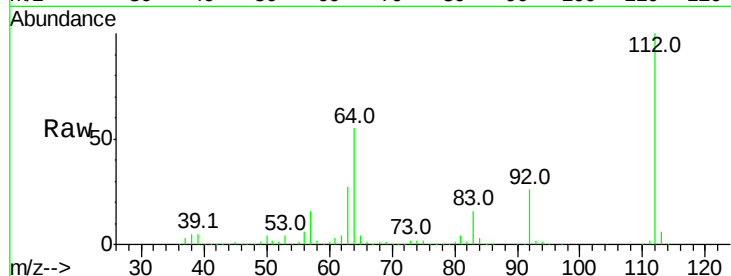
B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 941045 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 55.2  | 46.0  | 69.0   |
| 63        | 27.1  | 23.4  | 35.0   |

Manual Integrations  
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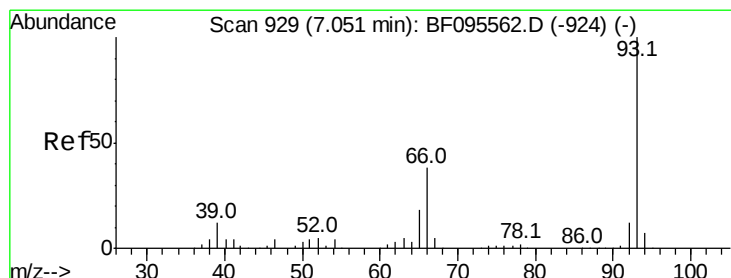
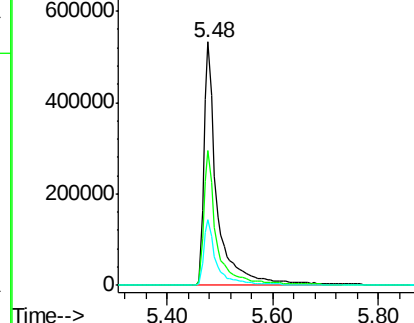
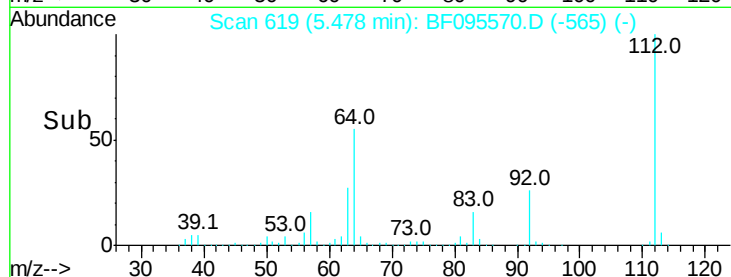
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.72 ng

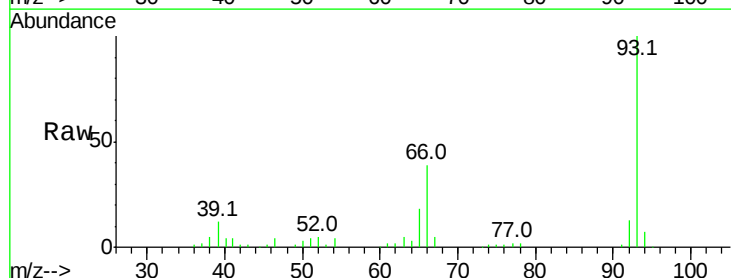
RT: 7.05 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

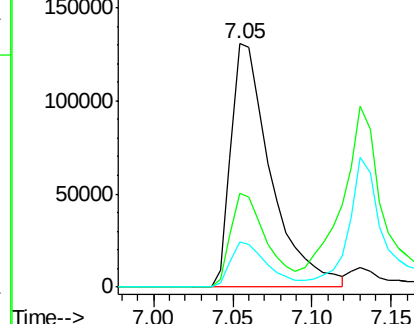
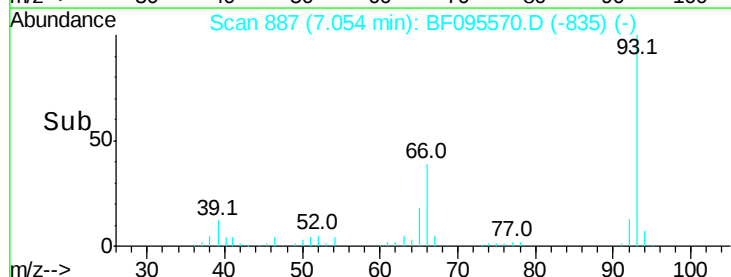
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 228726 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.8  | 32.9  | 49.3   |
| 65        | 18.3  | 16.0  | 24.0   |

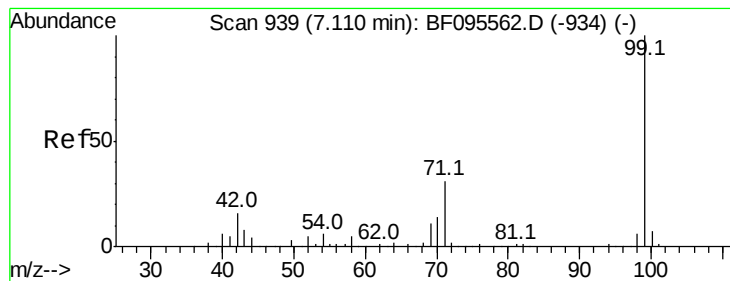


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 156.39 ng

RT: 7.12 min Scan# 898

Delta R.T. 0.01 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion: 99 Resp: 1146322

Ion Ratio Lower Upper

99 100

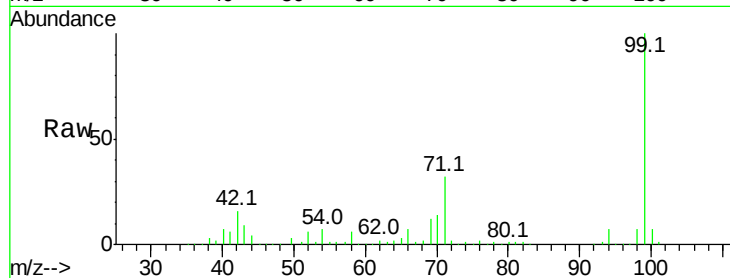
42 16.5 13.5 20.3

71 32.1 24.5 36.7

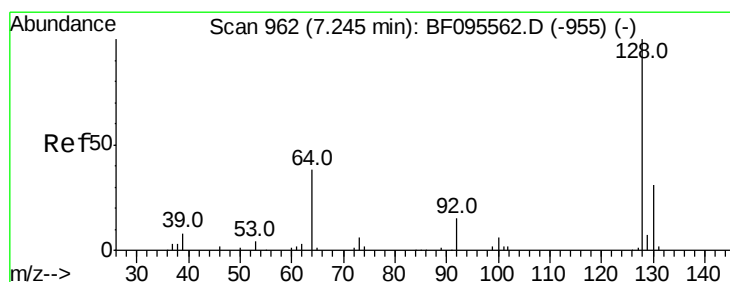
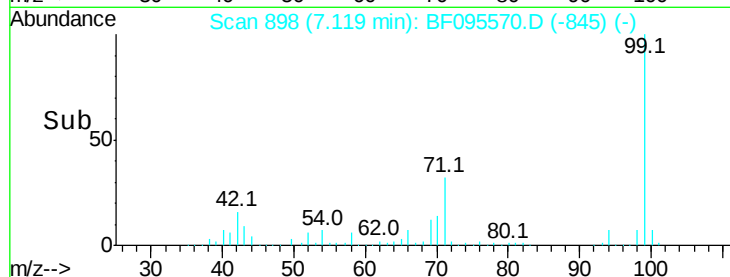
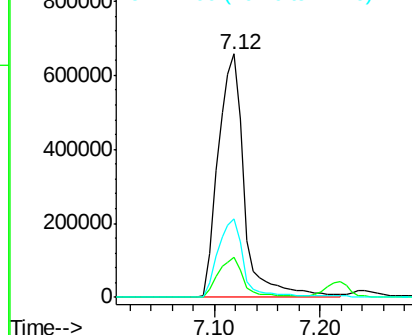
Manual Integrations  
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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 52.22 ng

RT: 7.24 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

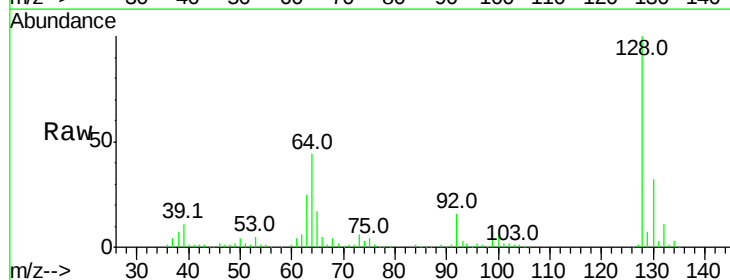
Tgt Ion:128 Resp: 363094

Ion Ratio Lower Upper

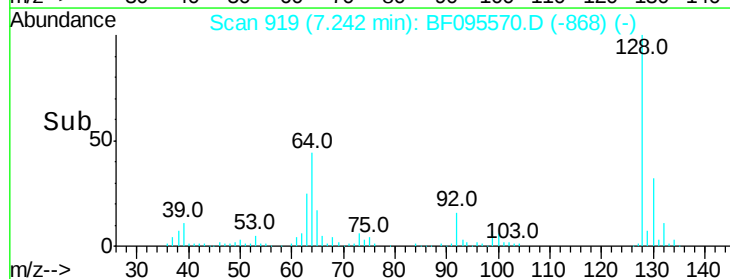
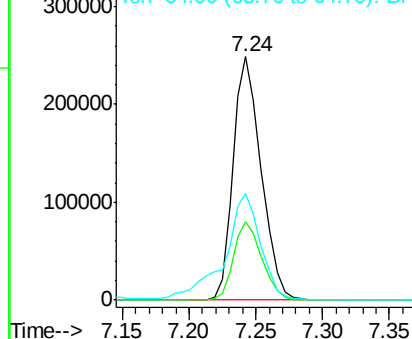
128 100

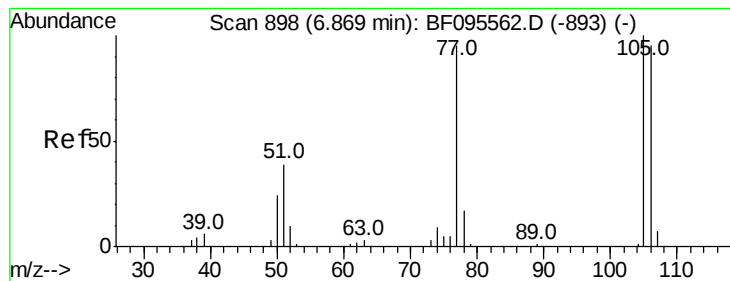
130 32.5 12.9 52.9

64 44.0 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.15 ng

RT: 6.87 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion: 77 Resp: 81241

Ion Ratio Lower Upper

77 100

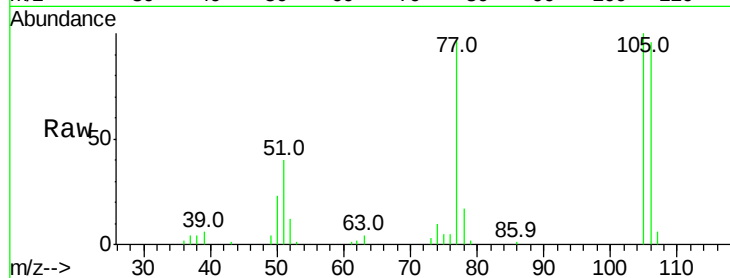
105 103.6 83.8 123.8

106 100.0 79.1 119.1

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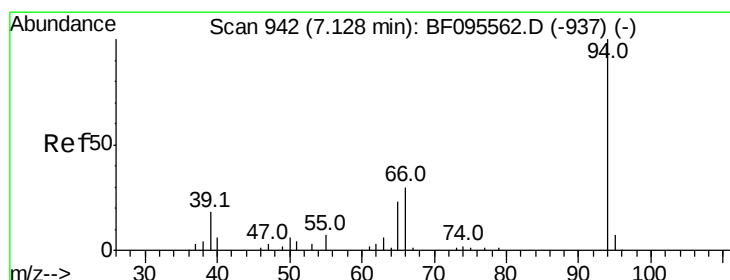
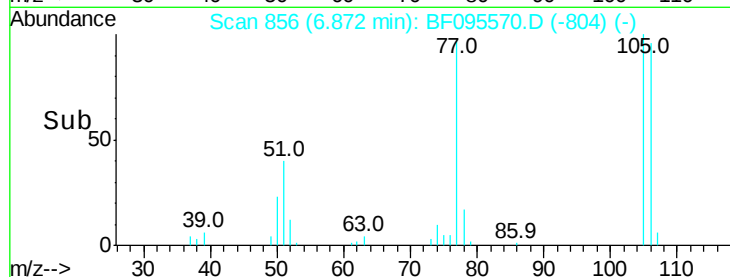
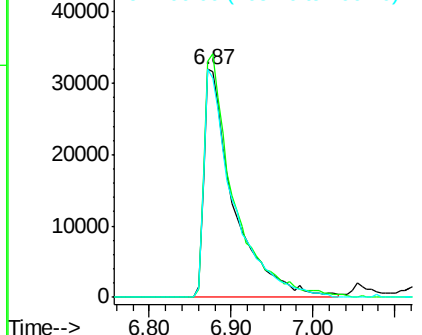
6/1/2017 2:20:01 PM



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 57.07 ng

RT: 7.13 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

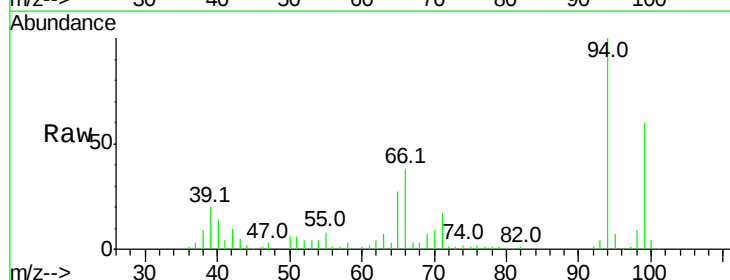
Tgt Ion: 94 Resp: 440842

Ion Ratio Lower Upper

94 100

65 27.1 9.9 49.9

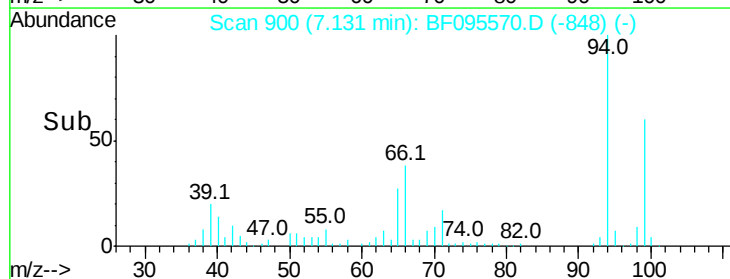
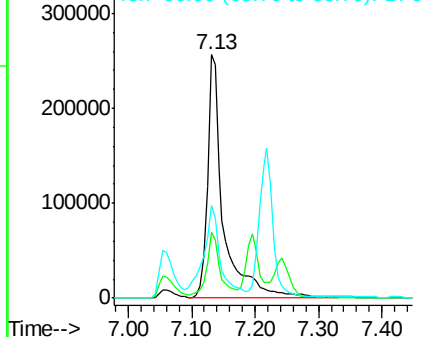
66 37.8 23.1 63.1

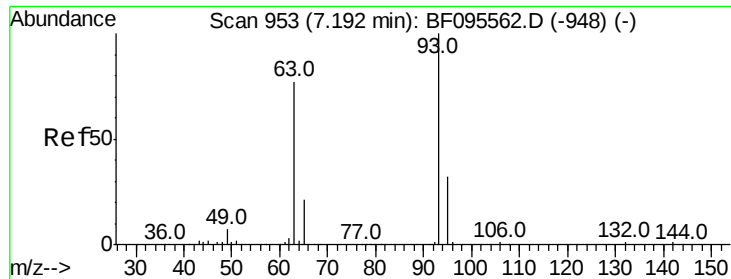


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11  
bis(2-Chloroethyl)ether  
Concen: 48.60 ng  
RT: 7.20 min Scan# 911  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

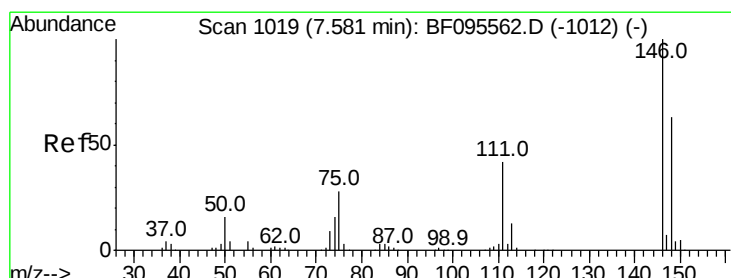
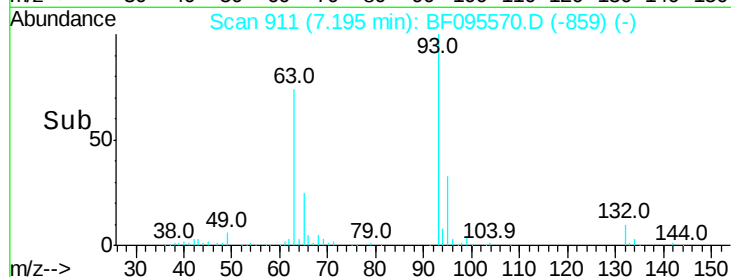
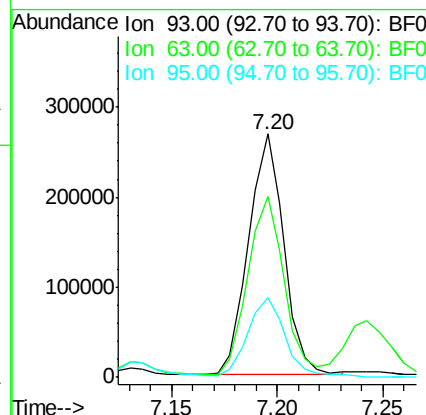
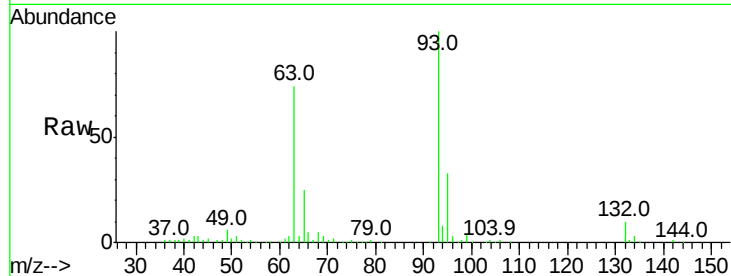
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion   | 93   | Resp  | 309908 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 93        | 100  |       |        |
| 63        | 74.1 | 59.2  | 99.2   |
| 95        | 32.7 | 12.8  | 52.8   |

Manual Integrations  
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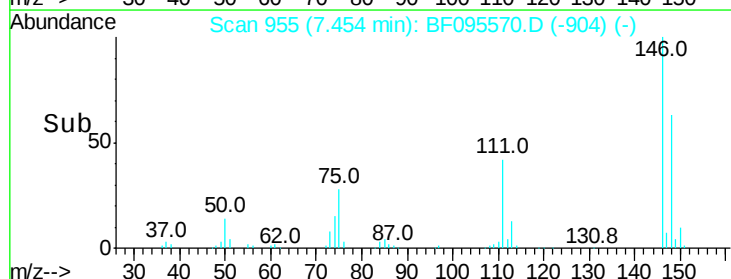
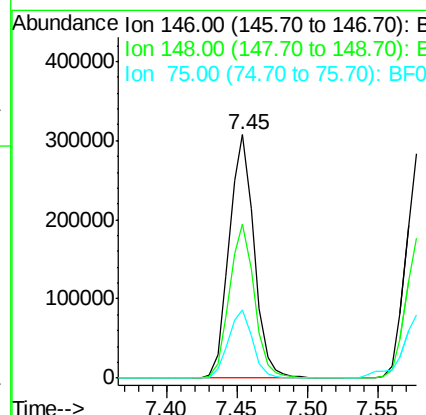
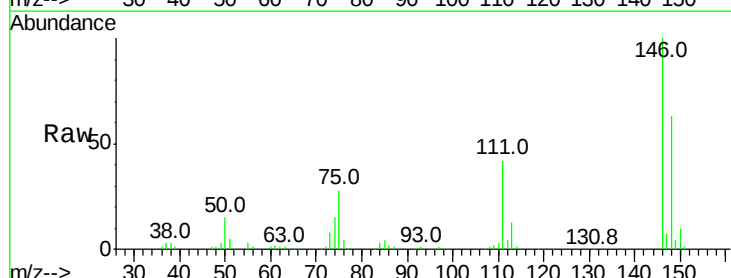
mohammad

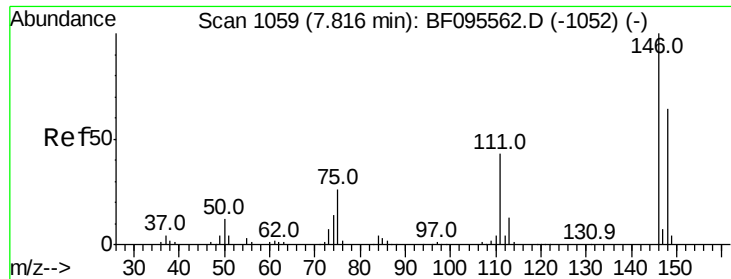
6/1/2017 2:20:01 PM



#12  
1,3-Dichlorobenzene  
Concen: 47.74 ng  
RT: 7.45 min Scan# 955  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion   | 146  | Resp  | 376580 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 146       | 100  |       |        |
| 148       | 63.5 | 51.8  | 77.6   |
| 75        | 28.2 | 23.1  | 34.7   |





#13  
 1,4-Dichlorobenzene  
 Concen: 47.45 ng  
 RT: 7.58 min Scan# 976  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

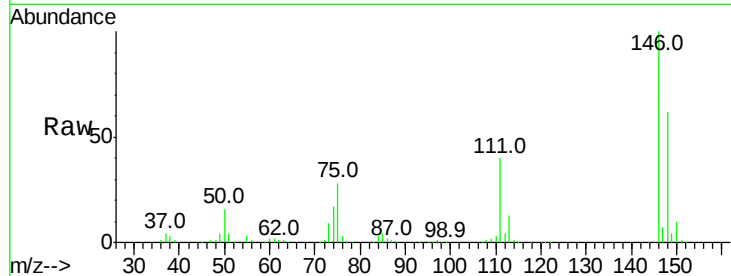
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.2  | 52.2  | 78.2  |
| 111     | 40.4  | 30.3  | 45.5  |

Manual Integrations  
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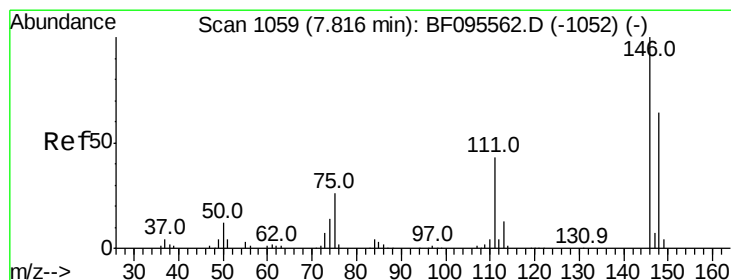
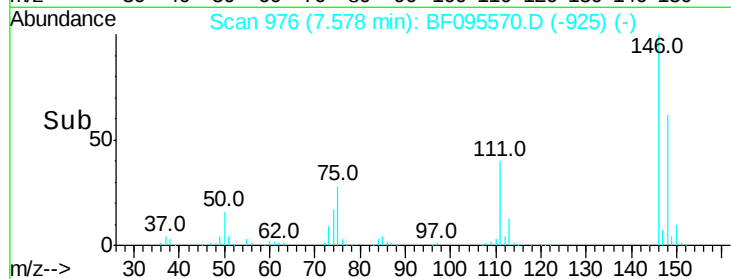
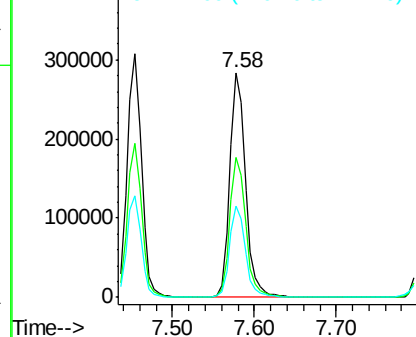


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 48.00 ng  
 RT: 7.81 min Scan# 1016  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

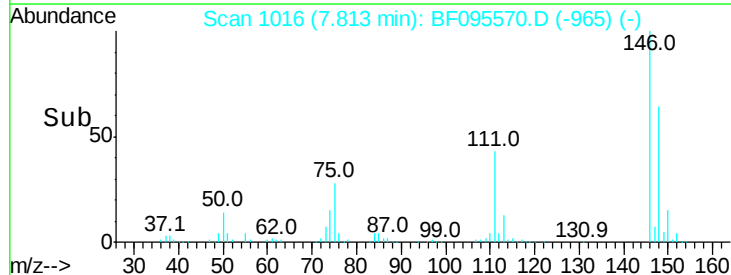
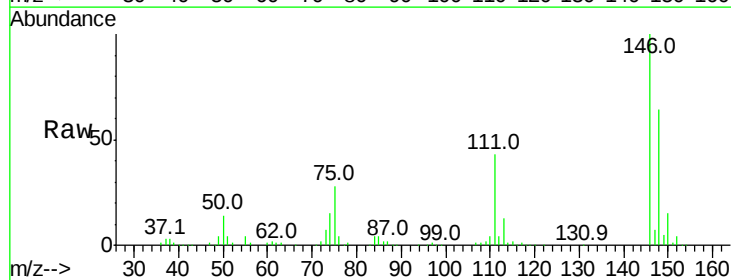
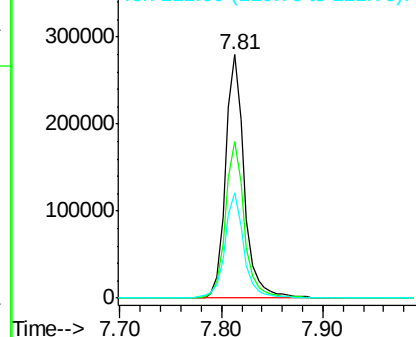
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 50.4  | 75.6  |
| 111     | 43.0  | 38.2  | 57.4  |

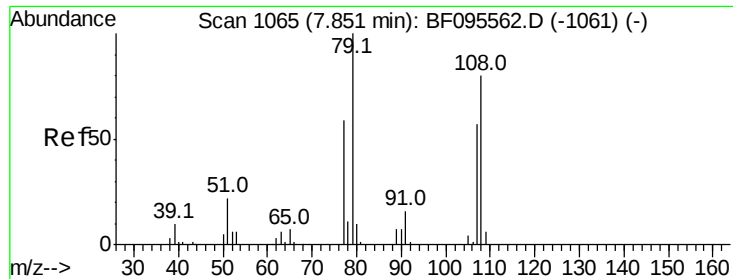
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15  
Benzyl Alcohol  
Concen: 63.01 ng  
RT: 7.85 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

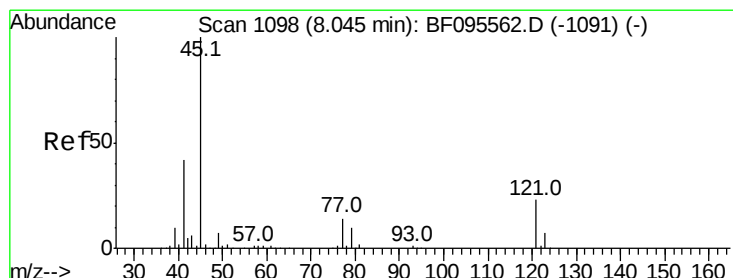
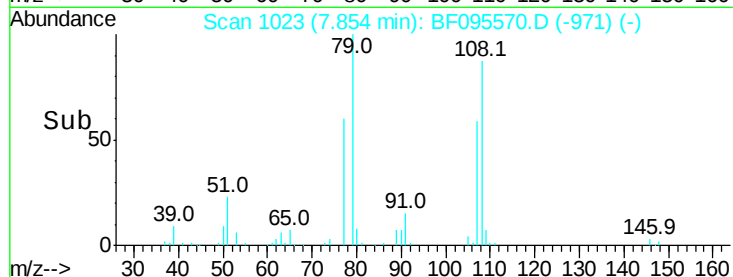
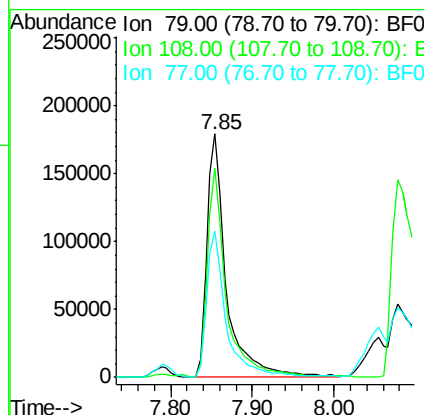
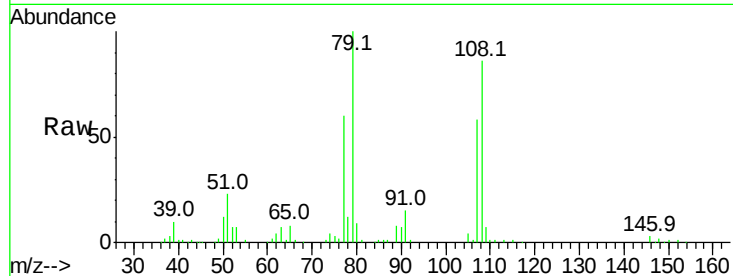
Instrument :  
BNA\_F  
ClientSampled :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 86.0  | 63.4  | 95.0  |
| 77      | 60.3  | 49.2  | 73.8  |

Manual Integrations  
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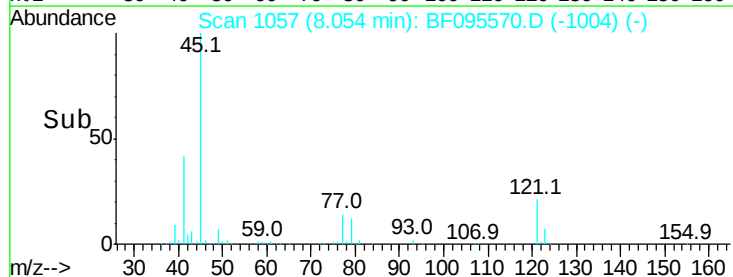
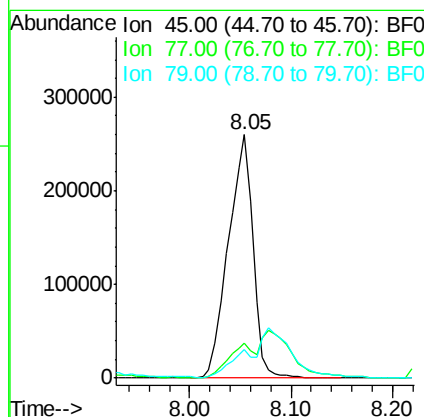
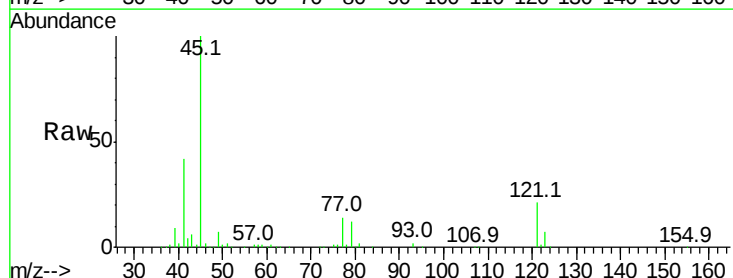
mohammad

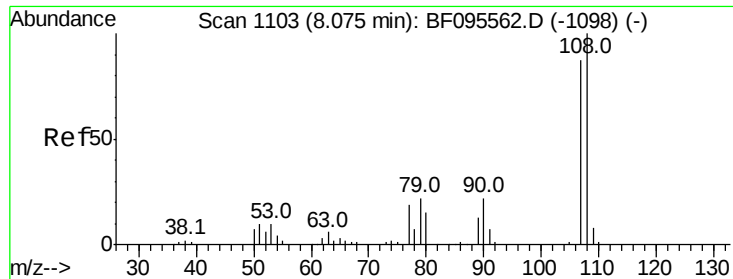
6/1/2017 2:20:01 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.61 ng  
RT: 8.05 min Scan# 1057  
Delta R.T. 0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 14.4  | 0.0   | 33.2  |
| 79      | 11.5  | 0.0   | 30.0  |





#17  
2-Methylphenol  
Concen: 49.50 ng  
RT: 8.08 min Scan# 1061  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

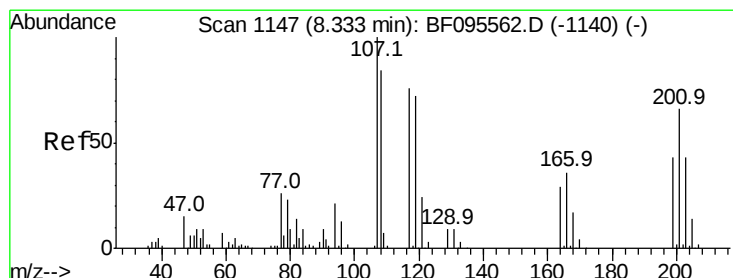
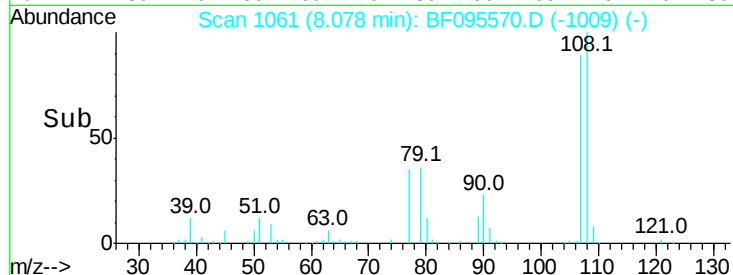
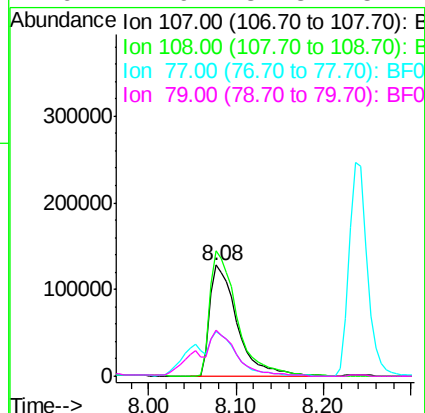
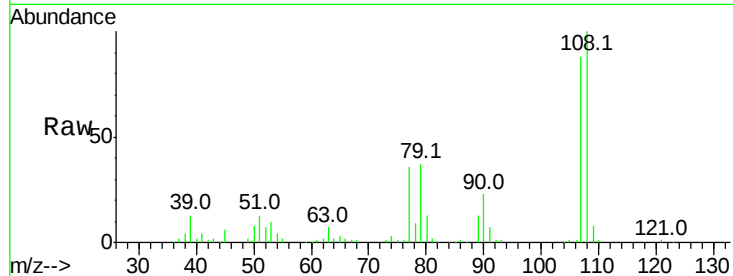
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 107     | 107 | 100   |      |       |       |
| 108     | 108 | 113.3 | 93.4 | 140.0 |       |
| 77      | 77  | 40.3  | 35.8 | 53.6  |       |
| 79      | 79  | 41.9  | 34.8 | 52.2  |       |

Manual Integrations  
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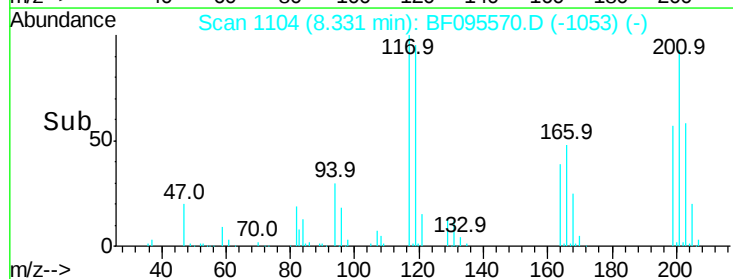
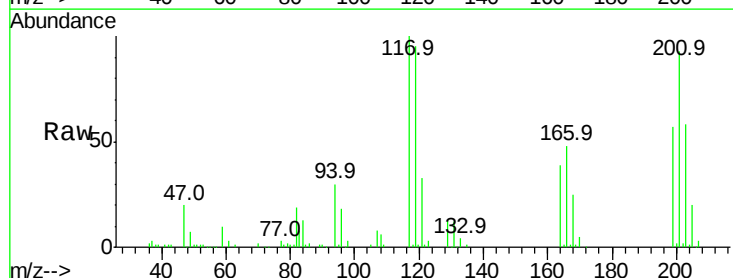
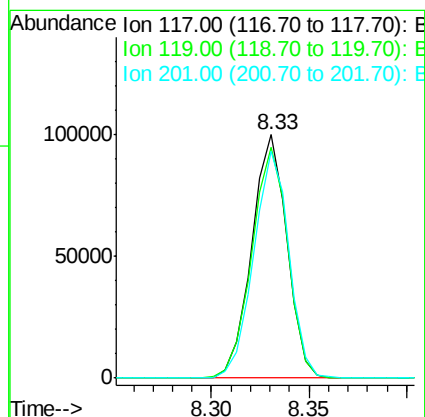
mohammad

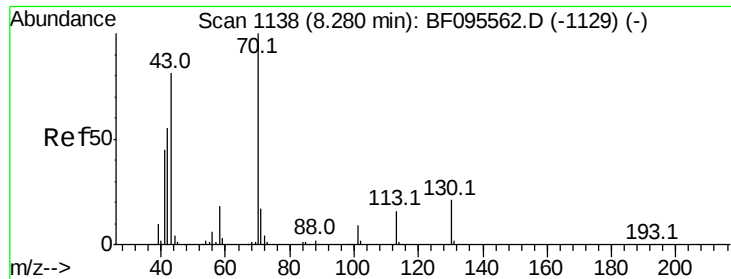
6/1/2017 2:20:01 PM



#18  
Hexachloroethane  
Concen: 46.03 ng  
RT: 8.33 min Scan# 1104  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ion | Ratio | Resp | Lower  | Upper |
|---------|-----|-------|------|--------|-------|
| 117     | 117 | 100   |      |        |       |
| 119     | 119 | 94.6  | 77.4 | 116.0  |       |
| 201     | 201 | 93.2  | 94.6 | 141.8# |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 51.76 ng  
RT: 8.28 min Scan# 1096  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

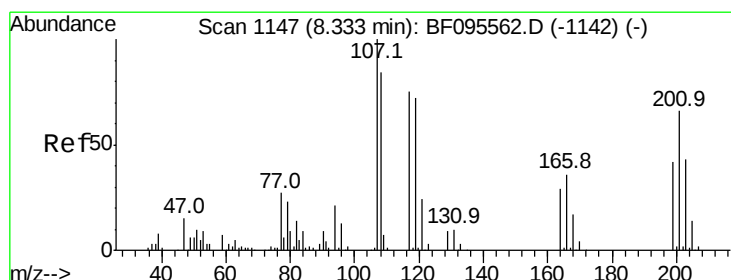
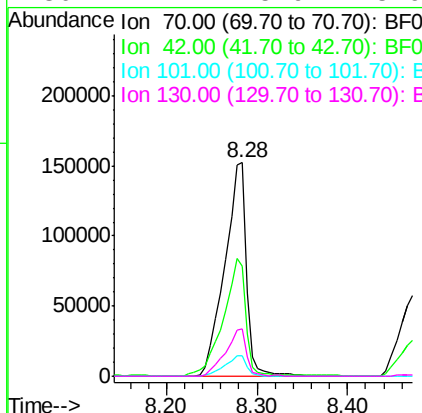
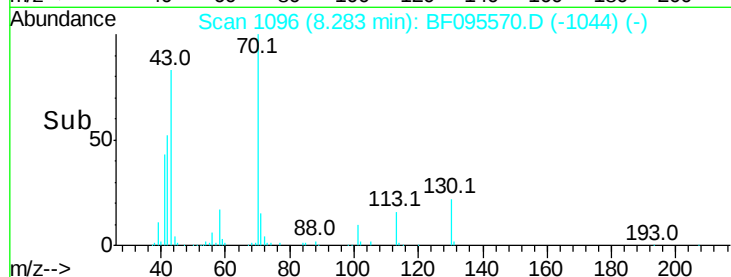
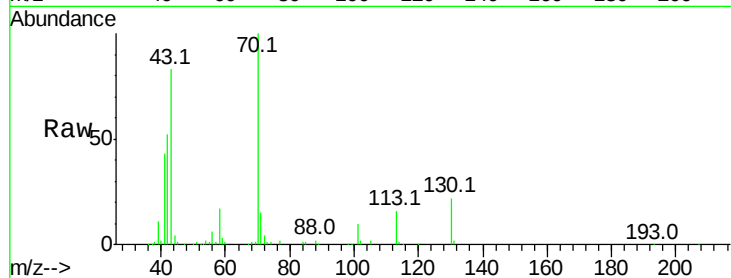
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 51.6 | 47.2  | 70.8  |       |
| 101     | 9.8  | 7.2   | 10.8  |       |
| 130     | 22.1 | 15.9  | 23.9  |       |

Manual Integrations  
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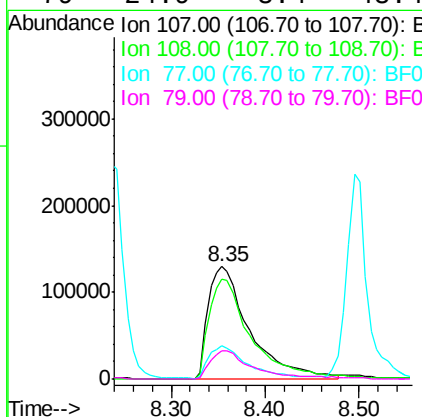
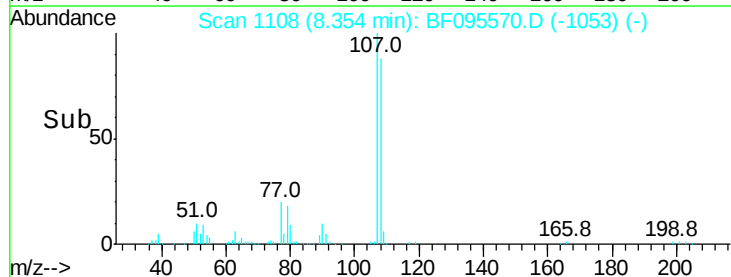
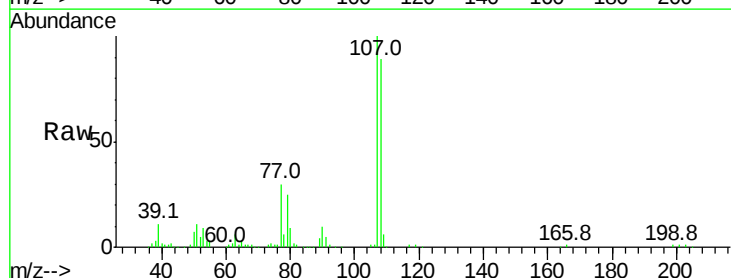
mohammad

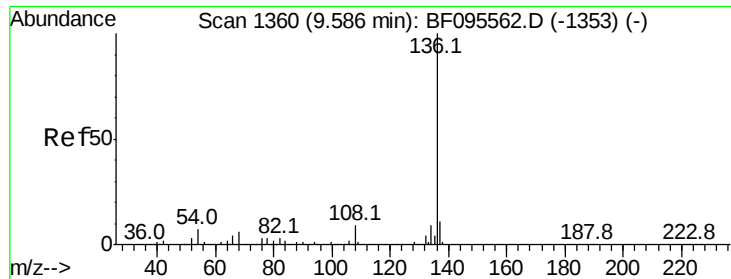
6/1/2017 2:20:01 PM



#20  
3+4-Methylphenols  
Concen: 51.57 ng  
RT: 8.35 min Scan# 1108  
Delta R.T. 0.02 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ion  | Ratio | Lower  | Upper |
|---------|------|-------|--------|-------|
| 107     | 100  |       |        |       |
| 108     | 88.5 | 71.0  | 111.0  |       |
| 77      | 29.5 | 90.5  | 130.5# |       |
| 79      | 24.9 | 8.4   | 48.4   |       |





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.58 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

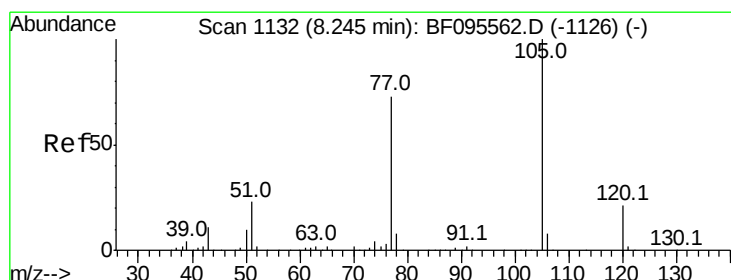
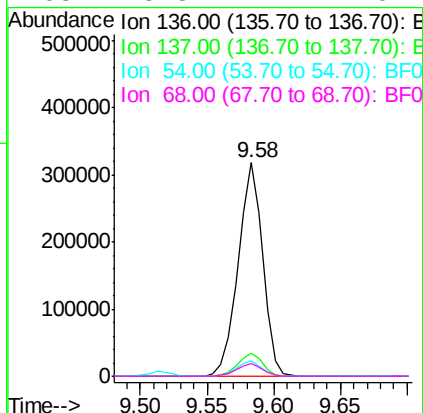
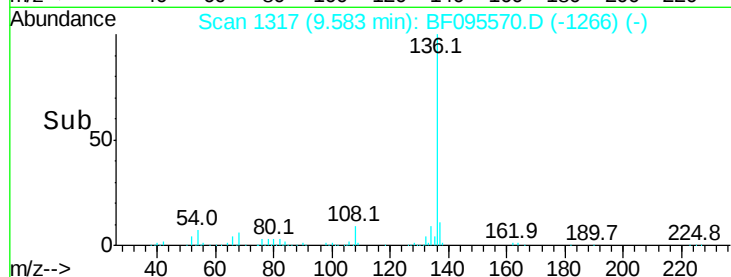
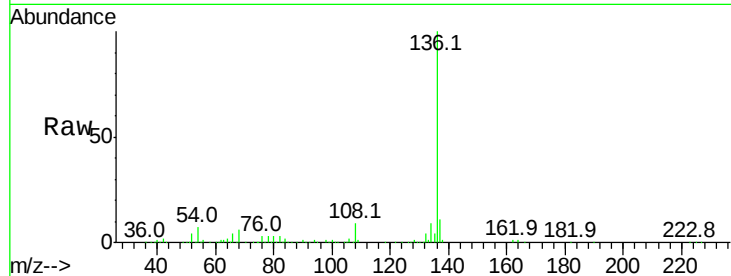
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.7  | 8.5  | 12.7  |       |
| 54      | 7.1   | 4.9  | 7.3   |       |
| 68      | 5.8   | 4.1  | 6.1   |       |

Manual Integrations  
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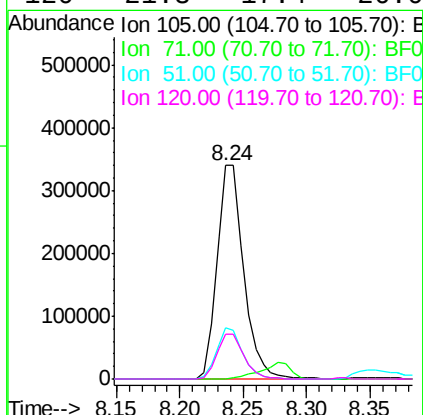
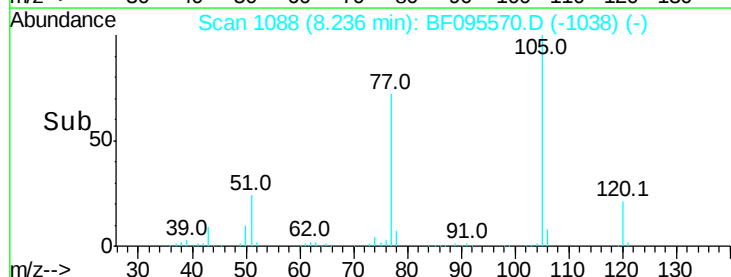
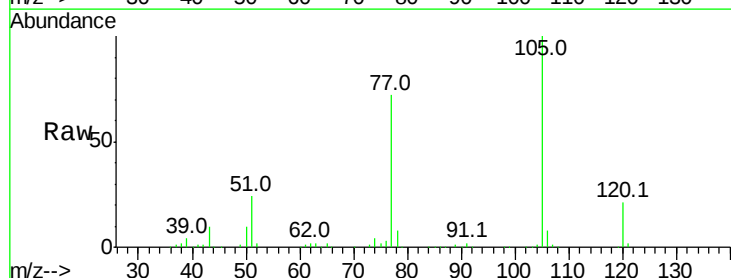
mohammad

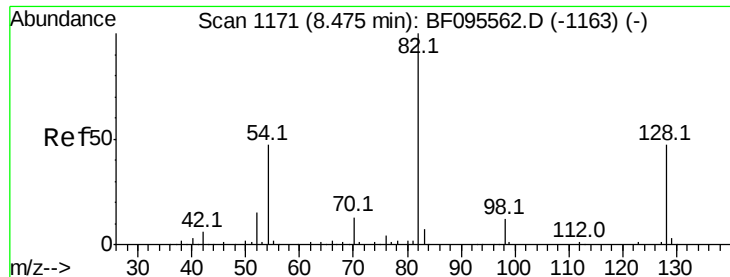
6/1/2017 2:20:01 PM



#22  
Acetophenone  
Concen: 51.50 ng  
RT: 8.24 min Scan# 1088  
Delta R.T. -0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 0.0   | 2.8  | 4.2#  |       |
| 51      | 23.8  | 30.7 | 46.1# |       |
| 120     | 21.3  | 17.4 | 26.0  |       |





#23  
 Nitrobenzene-d5  
 Concen: 108.87 ng  
 RT: 8.47 min Scan# 1128  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

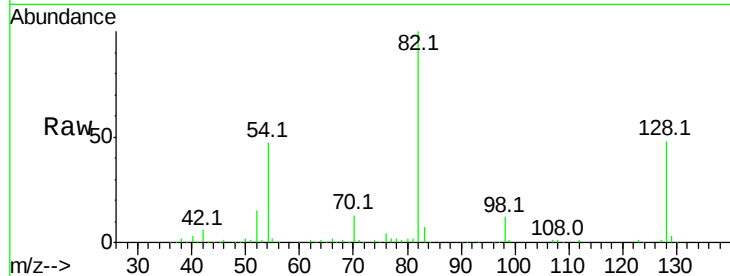
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.5  | 34.0  | 51.0  |
| 54      | 46.7  | 42.2  | 63.2  |

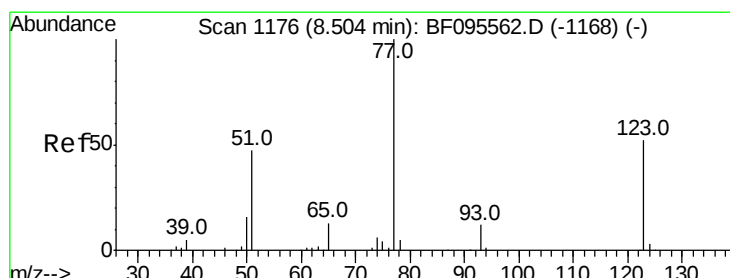
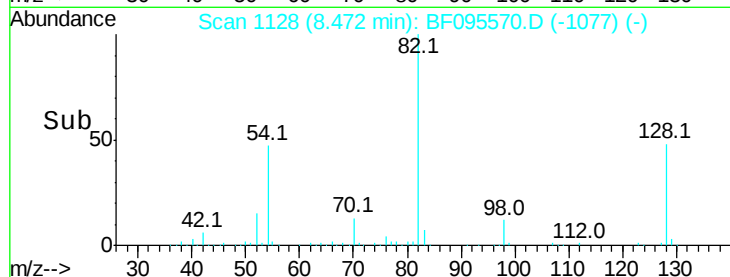
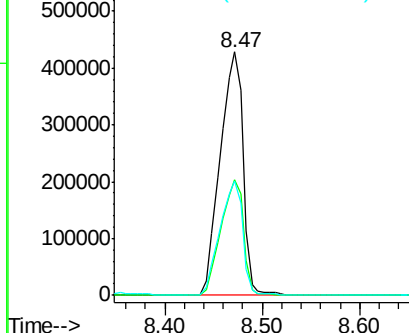
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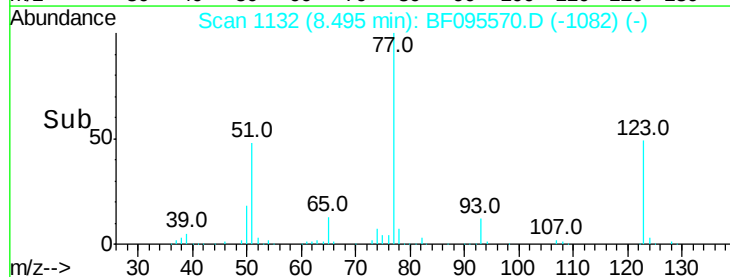
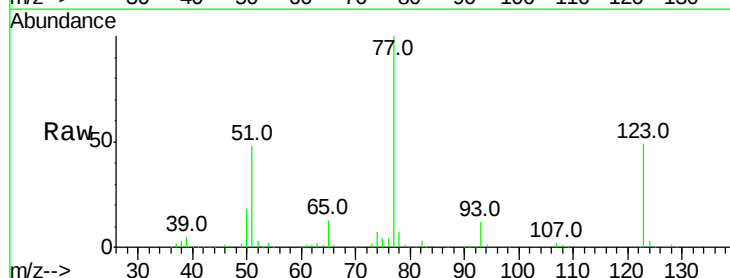
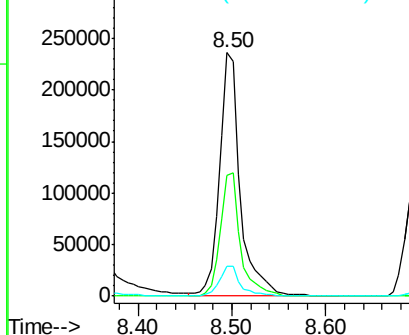
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

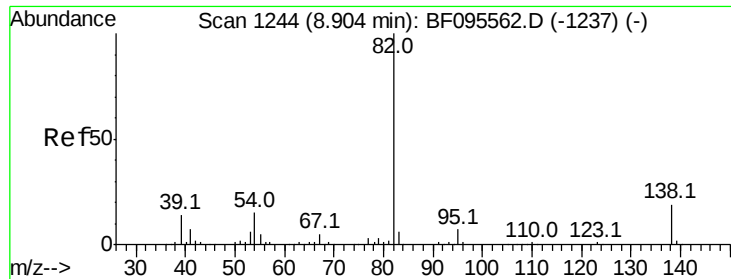


#24  
 Nitrobenzene  
 Concen: 53.58 ng  
 RT: 8.50 min Scan# 1132  
 Delta R.T. -0.01 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.4  | 35.8  | 53.8  |
| 65      | 12.5  | 10.6  | 15.8  |

Abundance Ion 77.00 (76.70 to 77.70): BF0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BF0





#25  
Isophorone  
Concen: 56.80 ng  
RT: 8.90 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

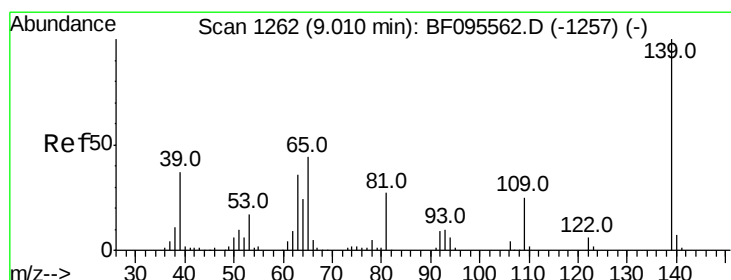
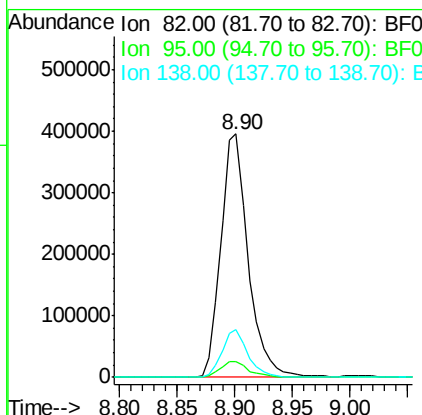
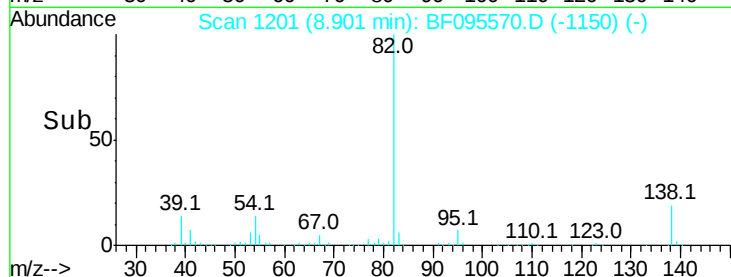
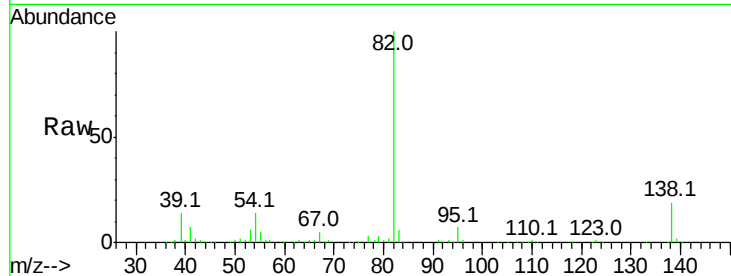
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 6.7   | 5.3   | 7.9   |
| 138     | 19.4  | 13.1  | 19.7  |

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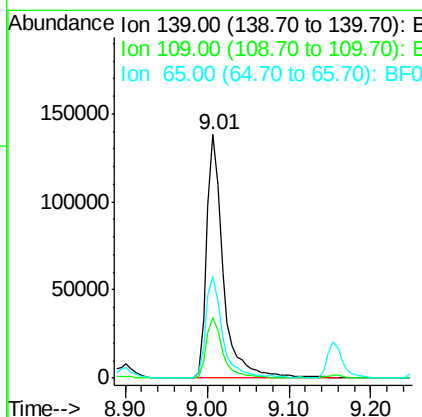
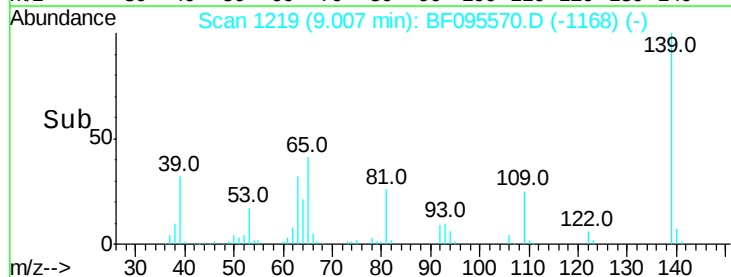
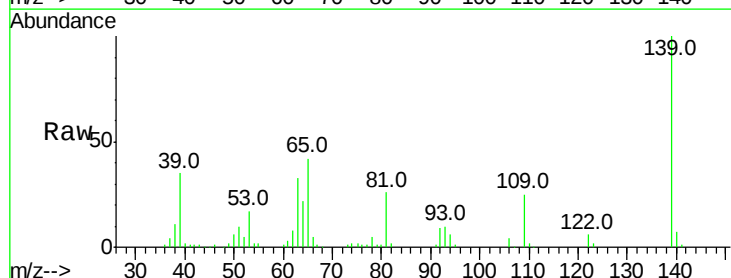
mohammad

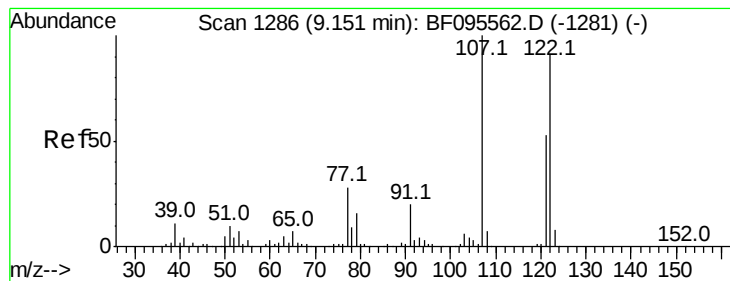
6/1/2017 2:20:01 PM



#26  
2-Nitrophenol  
Concen: 54.15 ng  
RT: 9.01 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 25.0  | 21.0  | 31.6  |
| 65      | 41.9  | 33.0  | 49.6  |





#27  
2,4-Dimethylphenol  
Concen: 53.44 ng  
RT: 9.15 min Scan# 1244  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

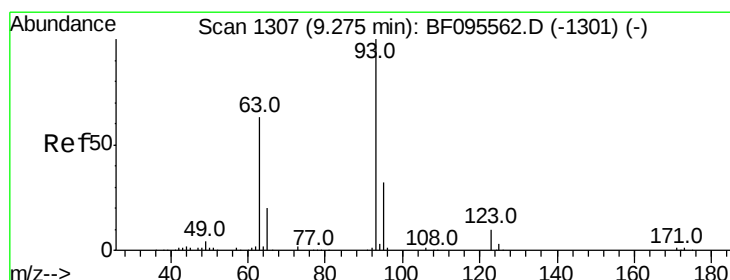
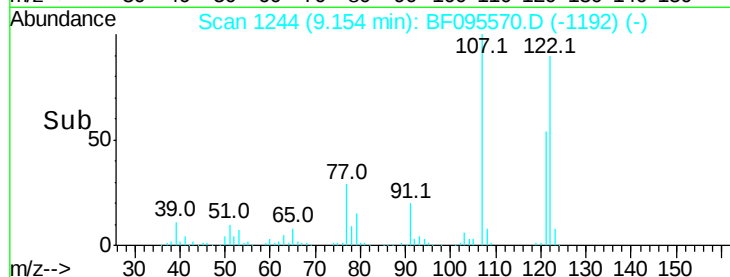
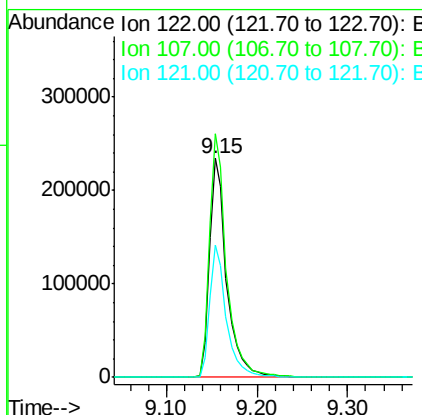
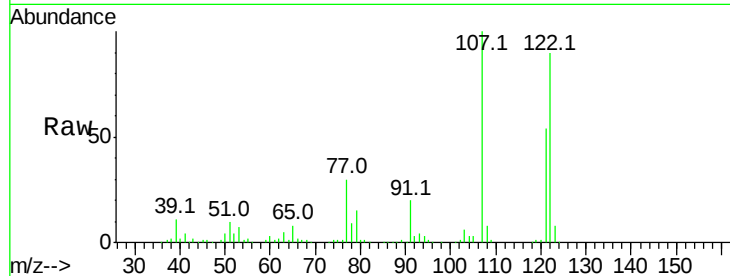
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 111.1 | 89.2  | 133.8 |
| 121     | 60.3  | 45.2  | 67.8  |

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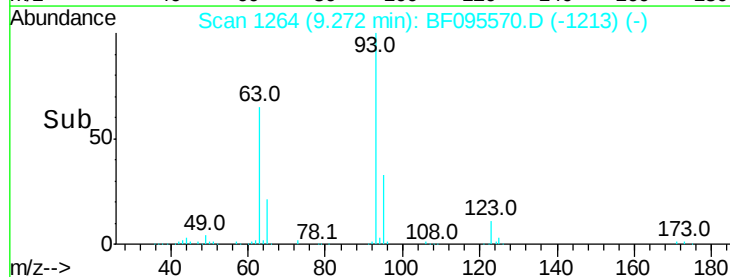
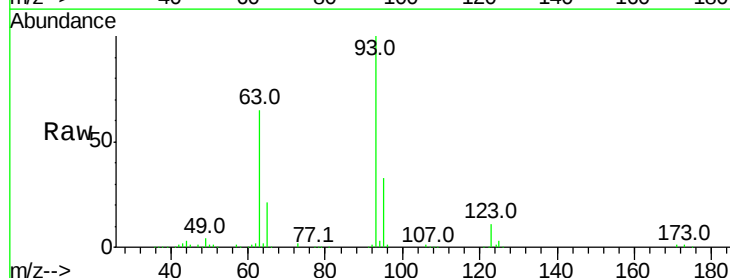
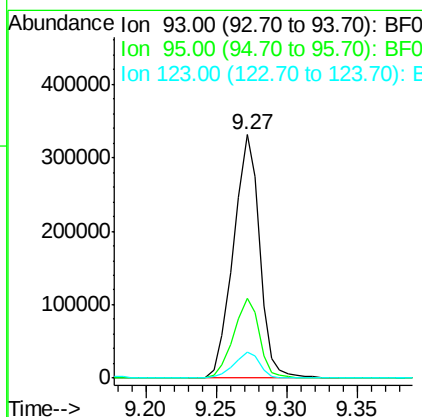
mohammad

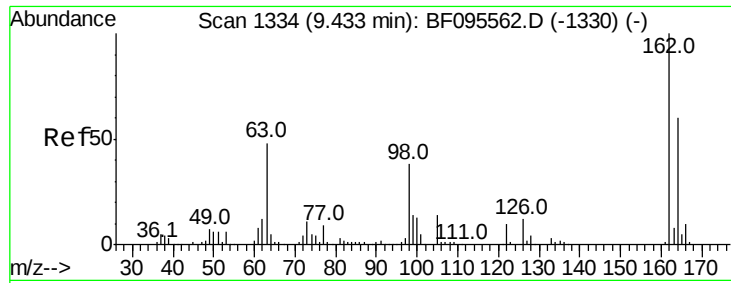
6/1/2017 2:20:01 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 54.28 ng  
RT: 9.27 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.6  | 26.5  | 39.7  |
| 123     | 10.6  | 9.0   | 13.4  |





#29  
 2,4-Dichlorophenol  
 Concen: 52.52 ng  
 RT: 9.45 min Scan# 1294  
 Delta R.T. 0.01 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

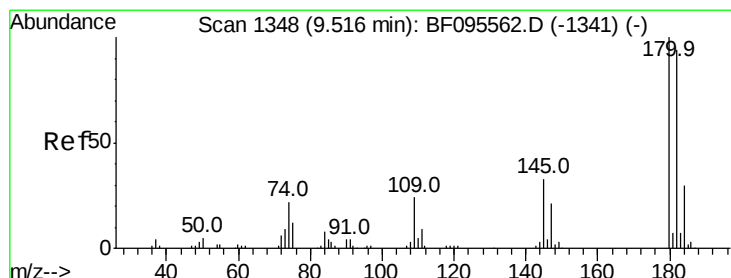
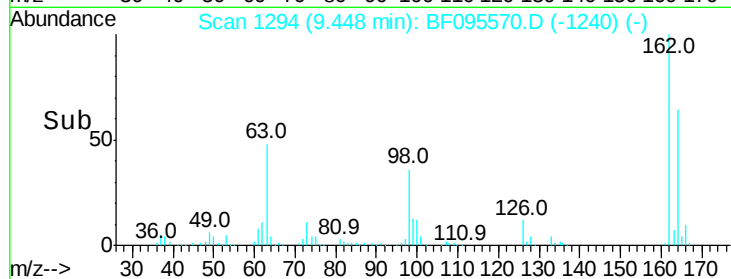
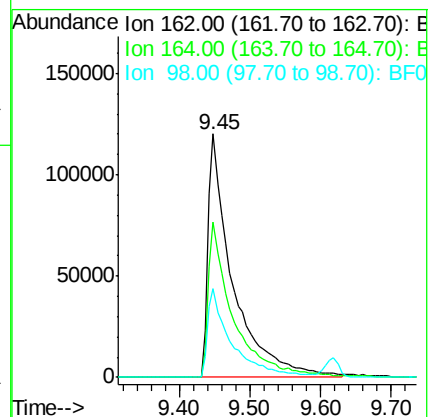
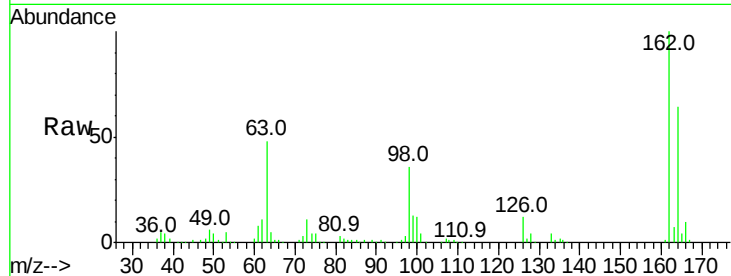
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 290647 |       |       |
| 164     | 64.0  |        | 44.6  | 84.6  |
| 98      | 36.4  |        | 14.8  | 54.8  |

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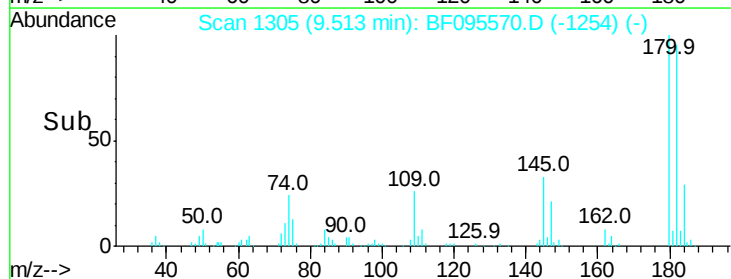
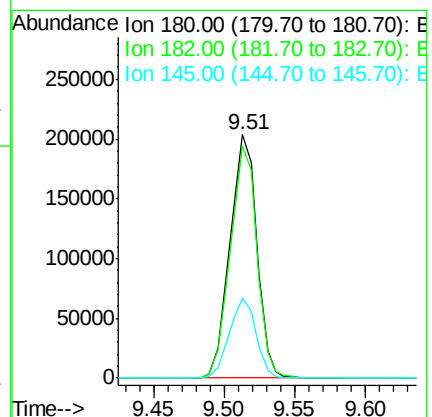
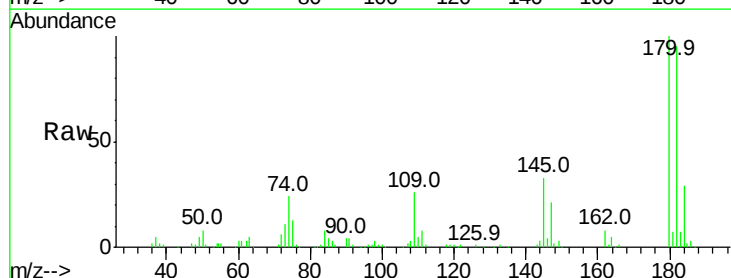
mohammad

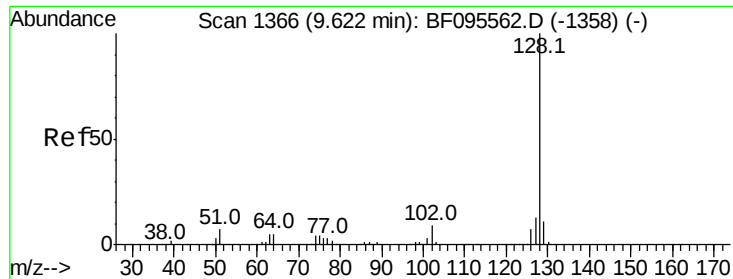
6/1/2017 2:20:01 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.26 ng  
 RT: 9.51 min Scan# 1305  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 268341 |       |       |
| 182     | 95.3  |        | 75.8  | 113.6 |
| 145     | 32.7  |        | 25.3  | 37.9  |





#31  
Naphthalene  
Concen: 47.54 ng  
RT: 9.62 min Scan# 1323  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

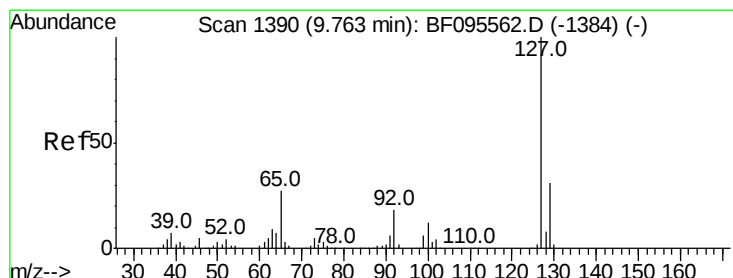
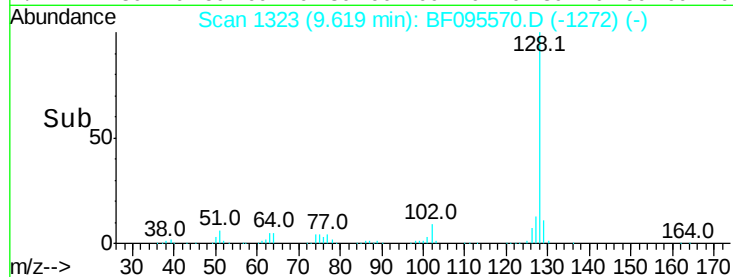
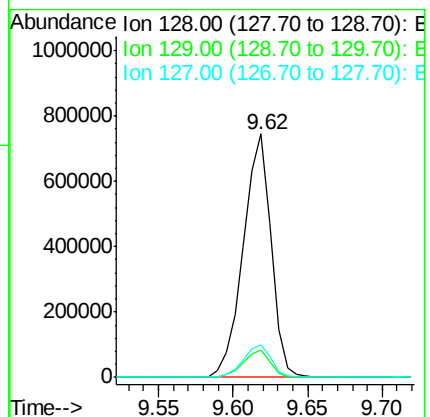
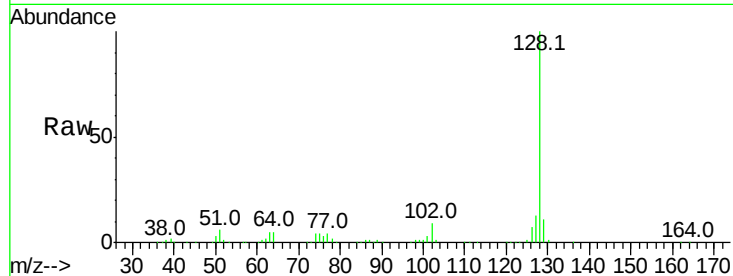
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.2  | 9.0  | 13.6  |       |
| 127     | 13.3  | 10.8 | 16.2  |       |

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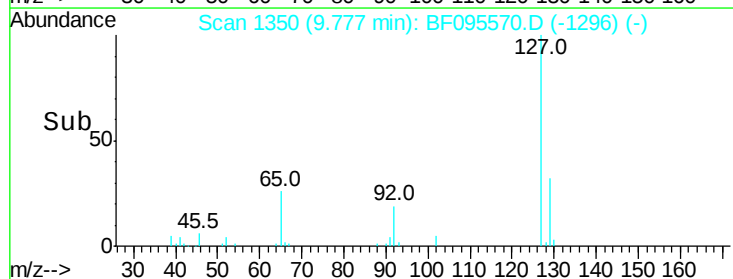
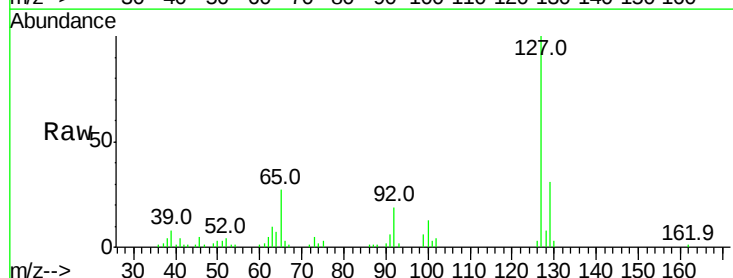
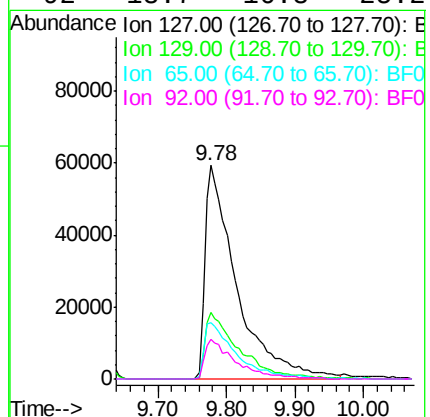
mohammad

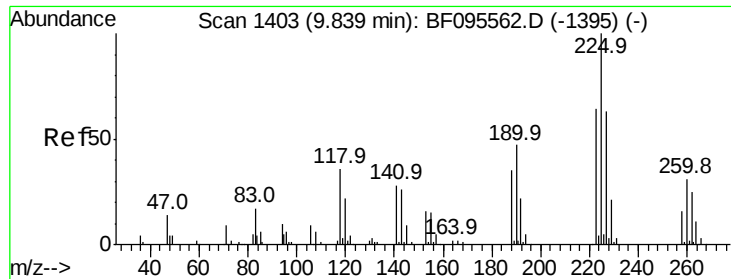
6/1/2017 2:20:01 PM



#33  
4-Chloroaniline  
Concen: 25.34 ng  
RT: 9.78 min Scan# 1350  
Delta R.T. 0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 30.9  | 26.2 | 39.2  |       |
| 65      | 26.6  | 27.8 | 41.8  |       |
| 92      | 18.7  | 16.8 | 25.2  |       |





#34  
Hexachlorobutadiene  
Concen: 45.71 ng  
RT: 9.84 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

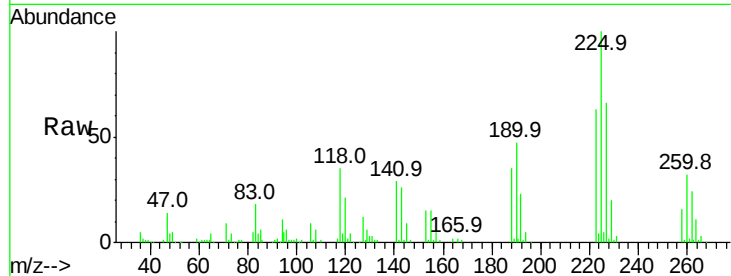
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.0  | 48.8 | 73.2  |       |
| 227     | 66.2  | 51.1 | 76.7  |       |

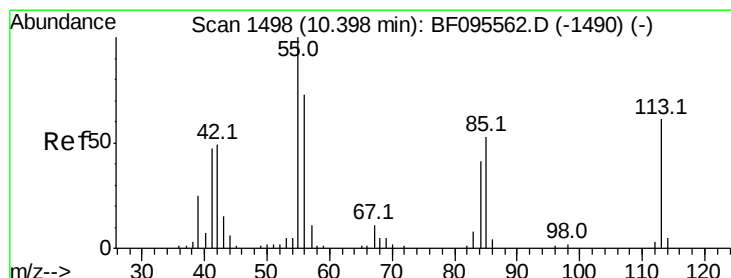
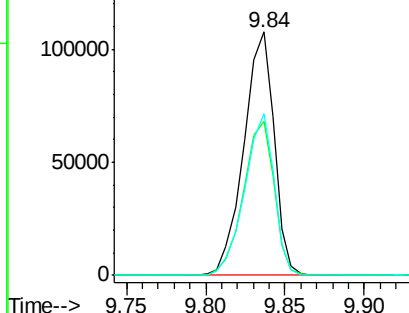
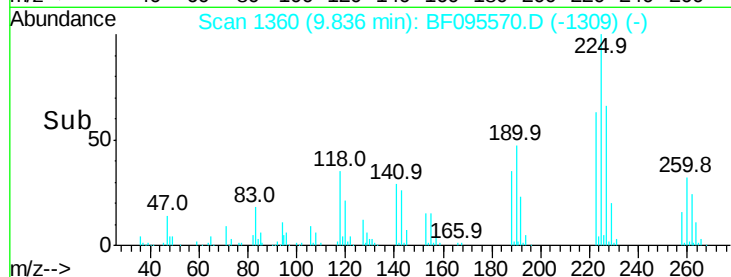
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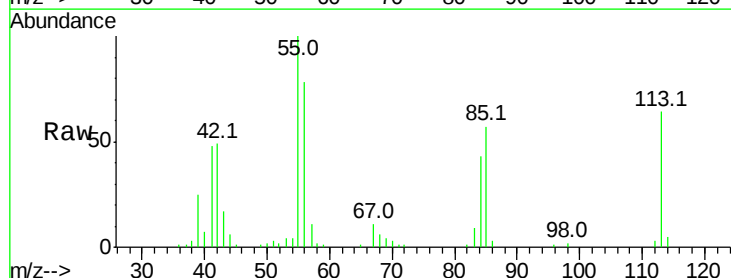


Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

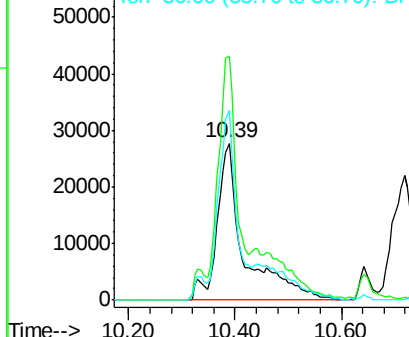
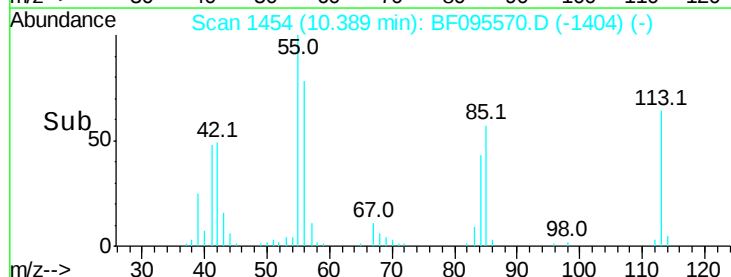


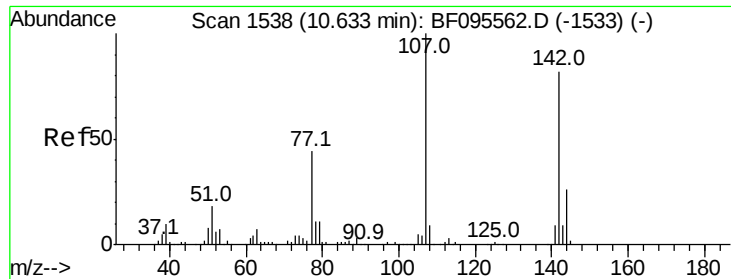
#35  
Caprolactam  
Concen: 59.30 ng m  
RT: 10.39 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |
| 55      | 155.1 | 150.2 | 190.2 |       |
| 56      | 121.0 | 107.8 | 147.8 |       |



Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0





#36  
 4-Chloro-3-methylphenol  
 Concen: 56.28 ng  
 RT: 10.64 min Scan# 1497  
 Delta R.T. 0.01 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

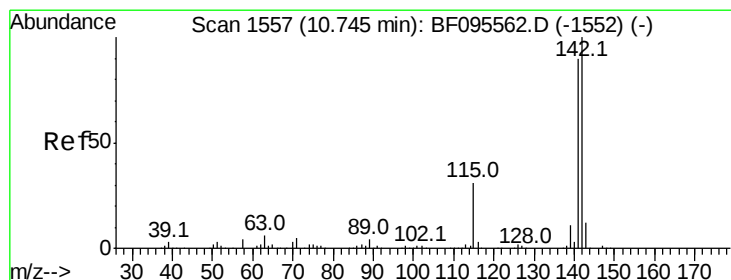
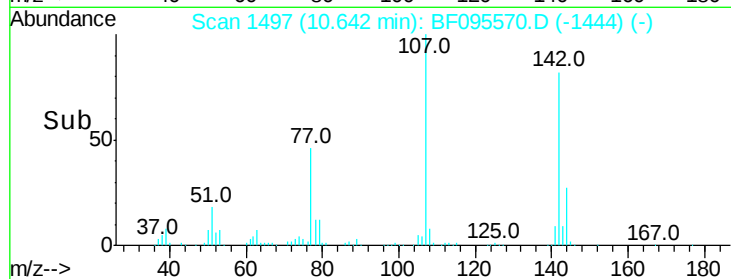
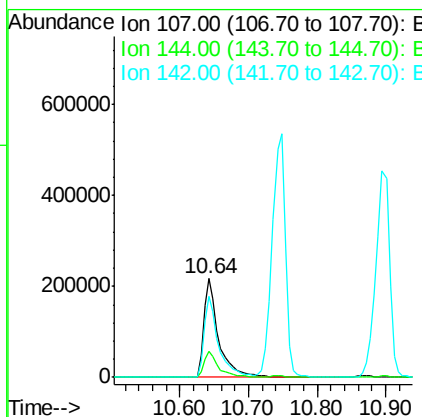
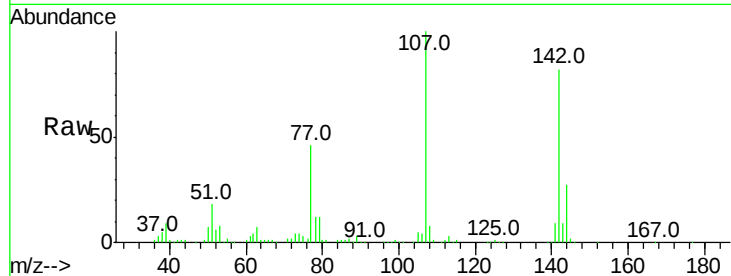
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 144     | 27.0  | 24.2 | 36.4  |       |
| 142     | 82.0  | 73.4 | 110.0 |       |

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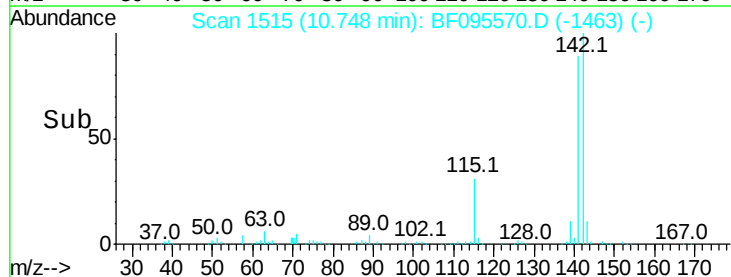
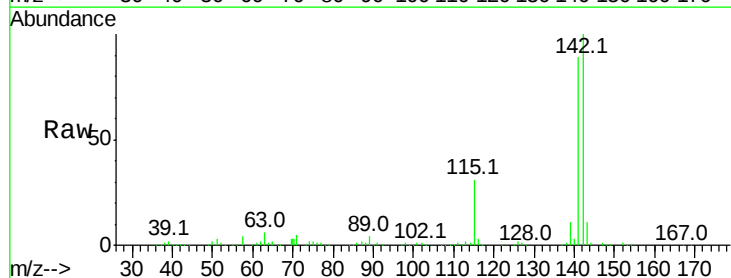
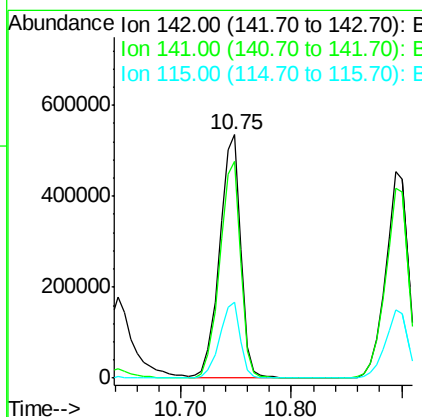
mohammad

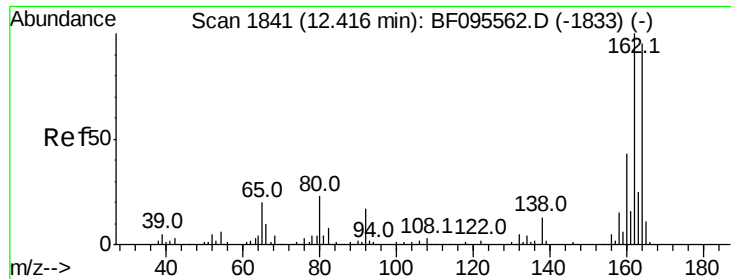
6/1/2017 2:20:01 PM



#37  
 2-Methylnaphthalene  
 Concen: 53.55 ng  
 RT: 10.75 min Scan# 1515  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 142     | 100   |      |       |       |
| 141     | 89.3  | 71.3 | 106.9 |       |
| 115     | 31.4  | 27.1 | 40.7  |       |





#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.41 min Scan# 1798  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

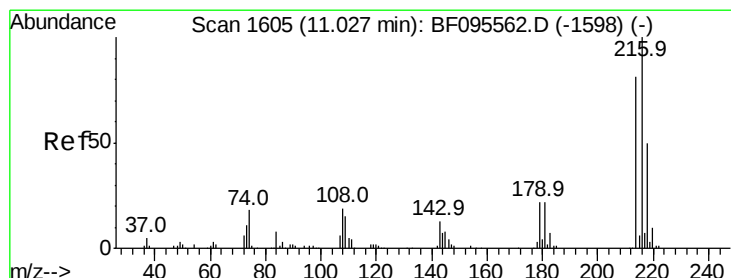
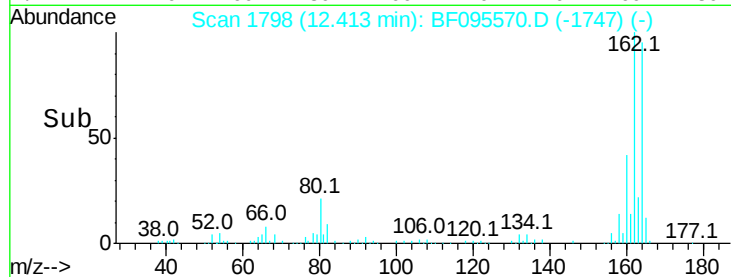
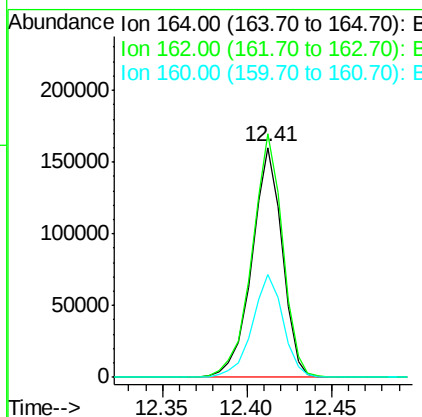
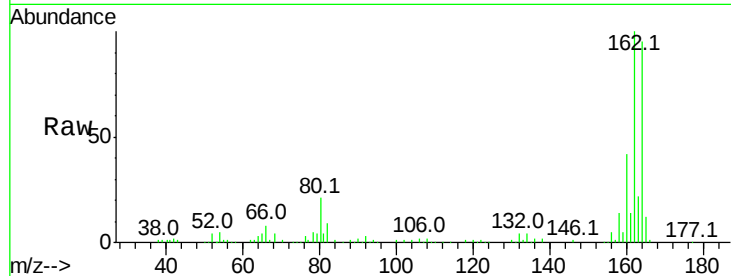
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 200494 |       |       |
| 162     | 105.8 |        | 82.6  | 123.8 |
| 160     | 44.4  |        | 36.2  | 54.2  |

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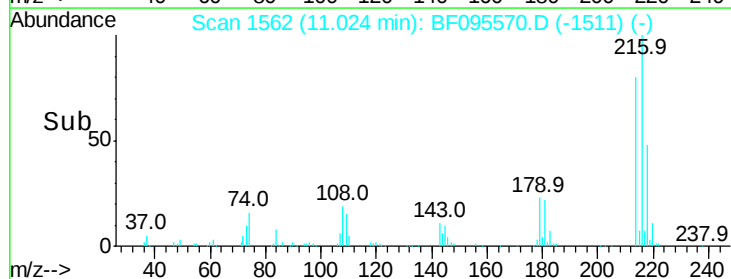
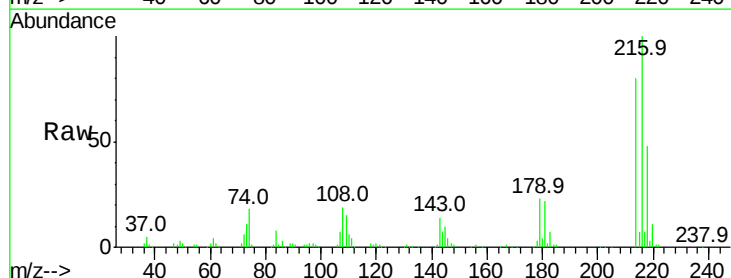
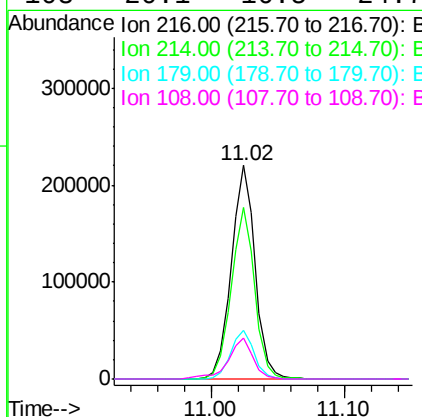
mohammad

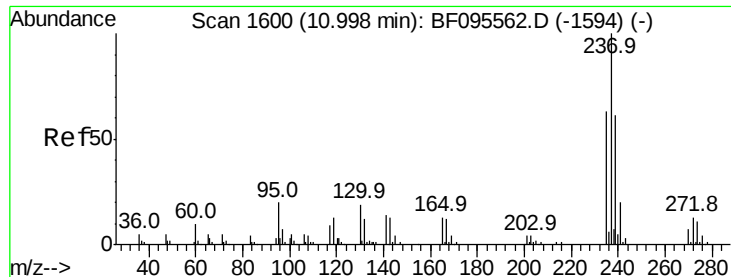
6/1/2017 2:20:01 PM



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.44 ng  
RT: 11.02 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 273994 |       |       |
| 214     | 79.4  |        | 63.4  | 95.2  |
| 179     | 22.5  |        | 17.9  | 26.9  |
| 108     | 20.1  |        | 16.5  | 24.7  |





#40  
Hexachlorocyclopentadiene  
Concen: 48.52 ng  
RT: 11.00 min Scan# 1557  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

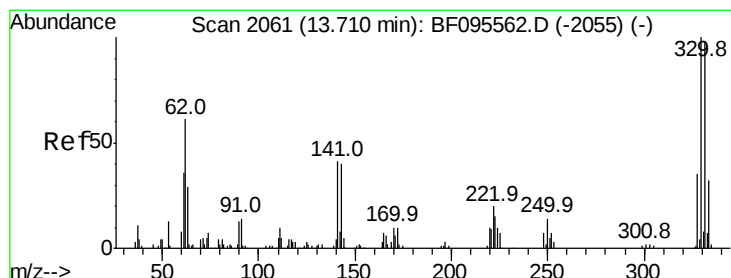
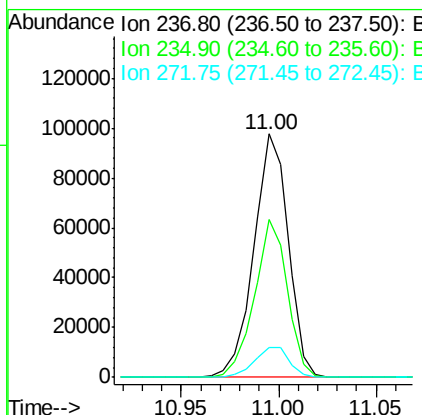
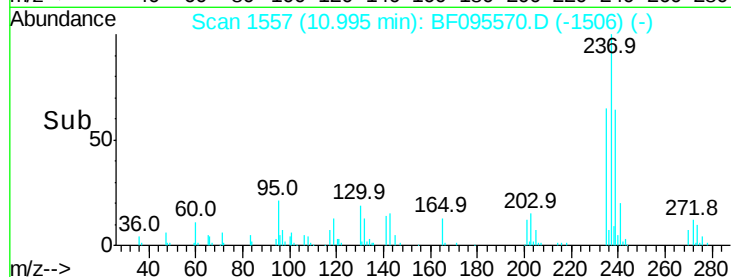
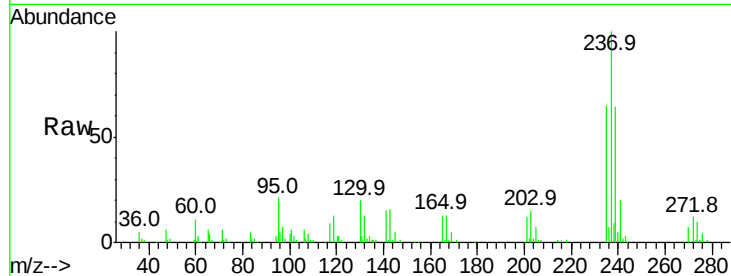
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 64.8  | 42.6       | 82.6  |
| 272     | 12.3  | 0.0        | 31.9  |

Manual Integrations  
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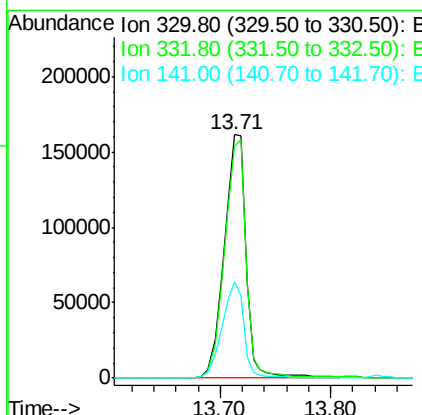
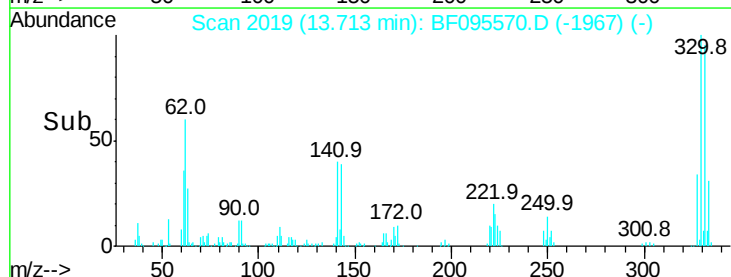
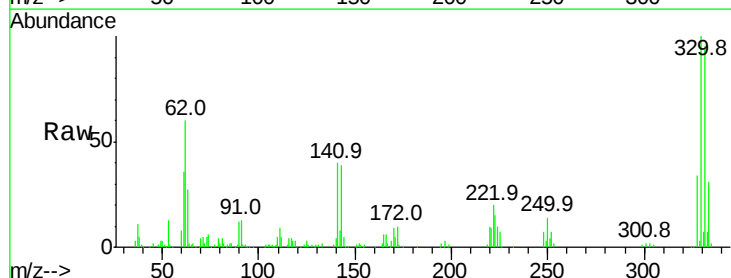
mohammad

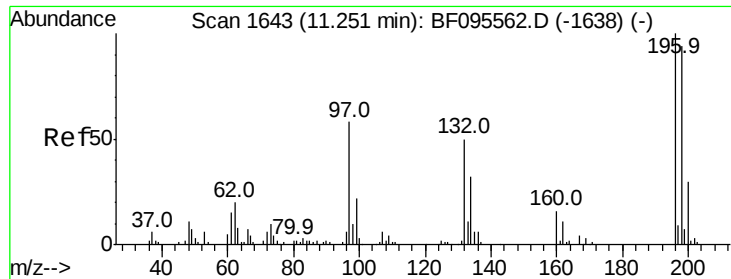
6/1/2017 2:20:01 PM



#41  
2,4,6-Tribromophenol  
Concen: 137.46 ng  
RT: 13.71 min Scan# 2019  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 330     | 100   |            |       |
| 332     | 95.7  | 76.6       | 115.0 |
| 141     | 39.5  | 31.4       | 47.2  |





#42  
2,4,6-Trichlorophenol  
Concen: 43.64 ng  
RT: 11.25 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

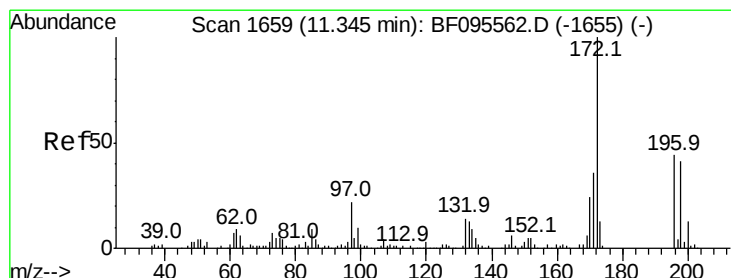
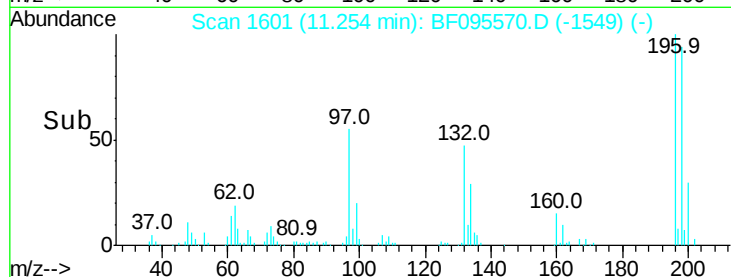
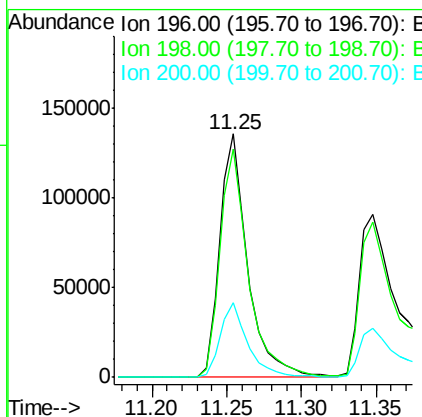
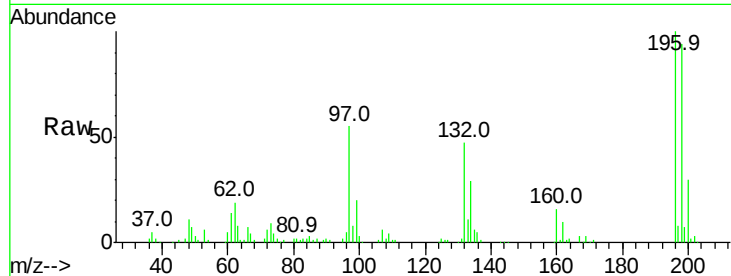
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 179653 |       |       |
| 198     | 93.7  | 74.2   | 111.4 |       |
| 200     | 30.4  | 24.0   | 36.0  |       |

Manual Integrations  
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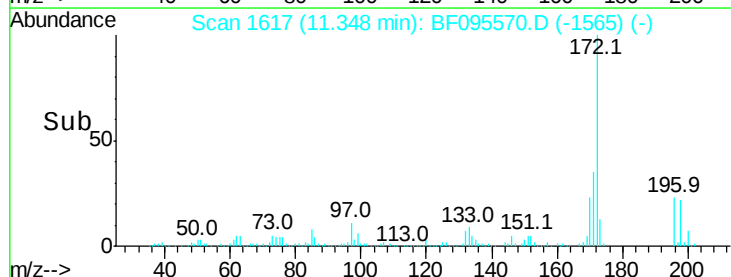
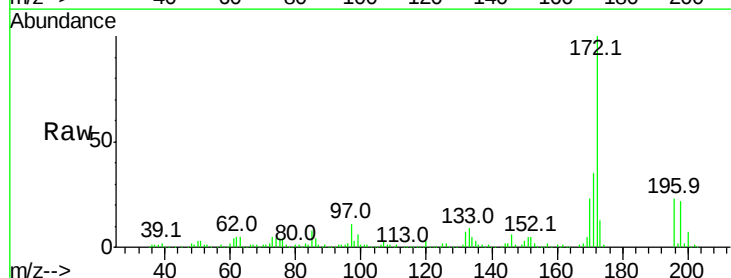
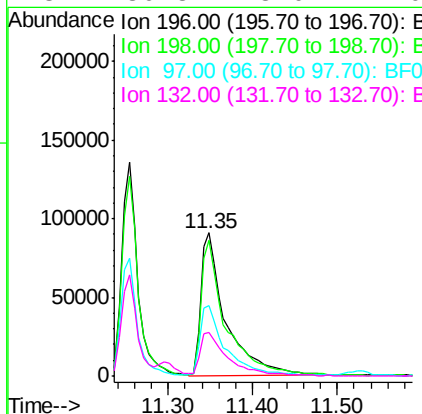
mohammad

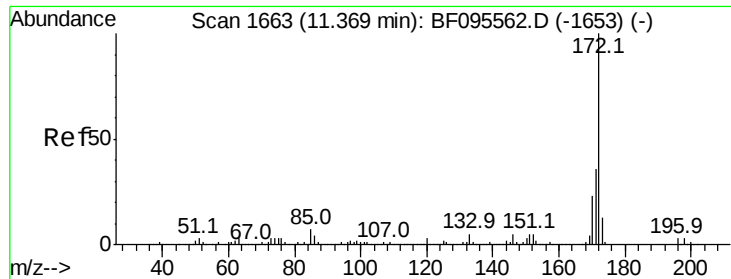
6/1/2017 2:20:01 PM



#43  
2,4,5-Trichlorophenol  
Concen: 41.74 ng  
RT: 11.35 min Scan# 1617  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 184680 |       |       |
| 198     | 94.8  | 75.7   | 113.5 |       |
| 97      | 49.0  | 47.7   | 71.5  |       |
| 132     | 30.8  | 28.0   | 42.0  |       |





#44  
2-Fluorobiphenyl  
Concen: 90.97 ng  
RT: 11.37 min Scan# 1620  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

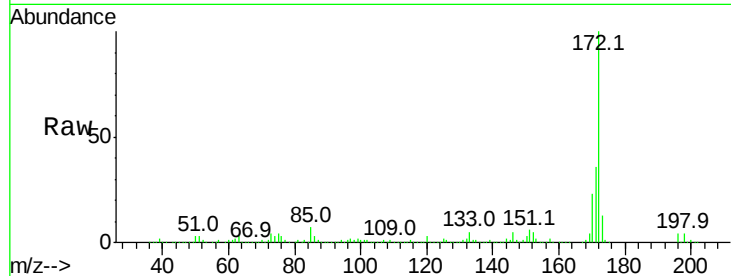
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 29.6  | 44.4  |
| 170     | 23.5  | 19.8  | 29.8  |

Manual Integrations  
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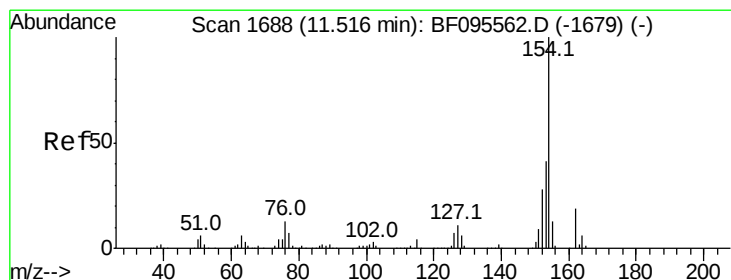
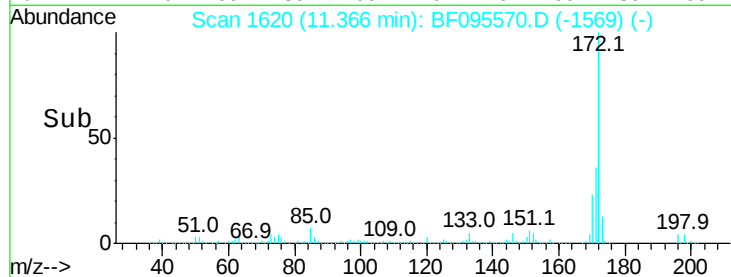
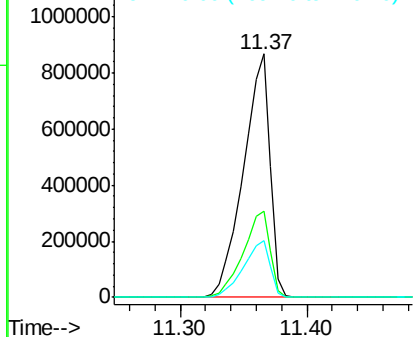


Abundance

Ion 172.00 (171.70 to 172.70): E

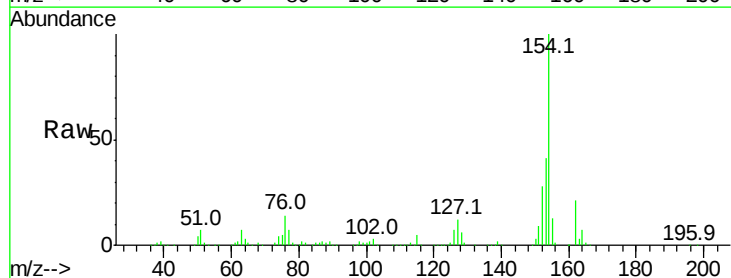
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45  
1,1'-Biphenyl  
Concen: 46.78 ng  
RT: 11.51 min Scan# 1645  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 21.2  | 61.2  |
| 76      | 14.5  | 0.0   | 29.9  |

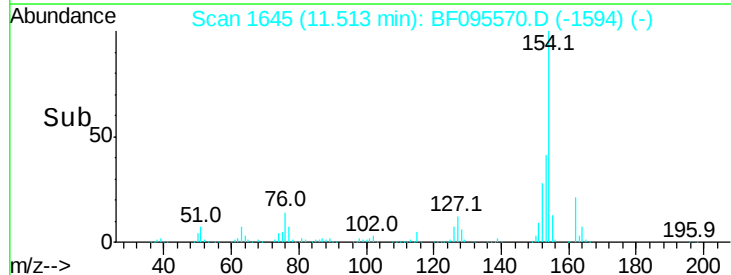
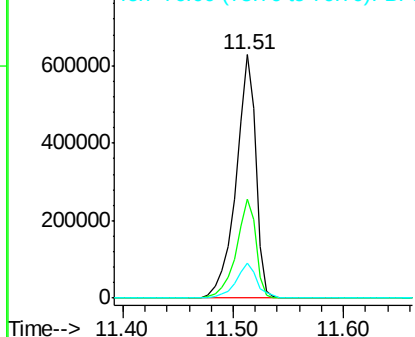


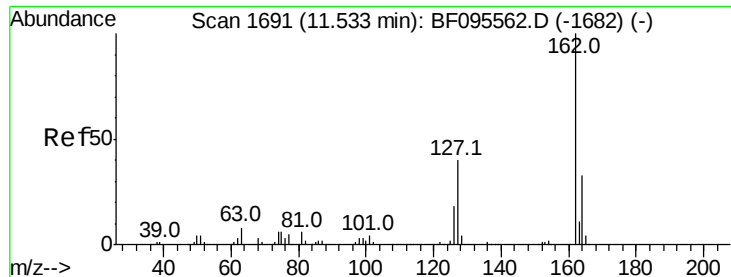
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#46  
2-Chloronaphthalene  
Concen: 45.19 ng  
RT: 11.53 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

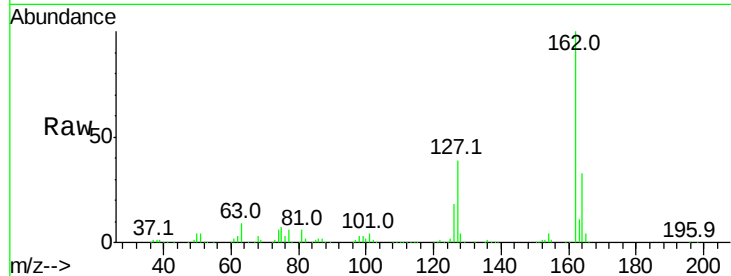
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 615917 |       |       |
| 127     | 38.8  | 28.3   | 42.5  |       |
| 164     | 32.8  | 27.0   | 40.4  |       |

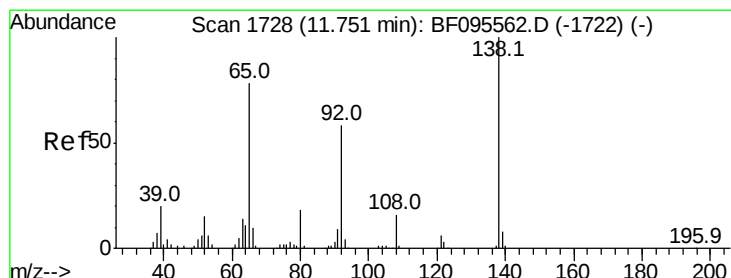
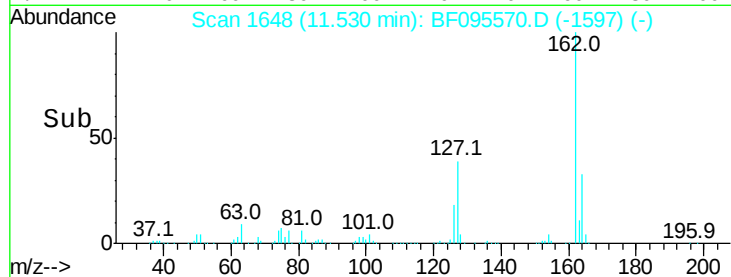
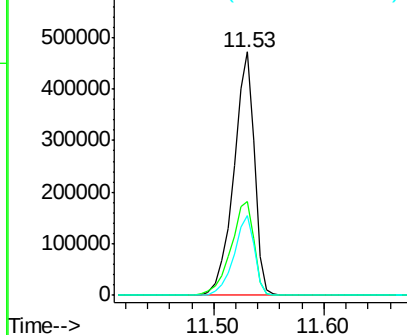
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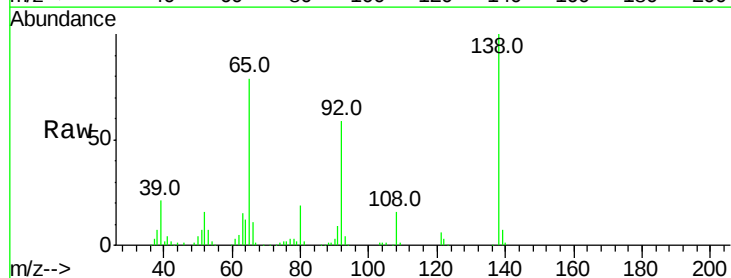


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

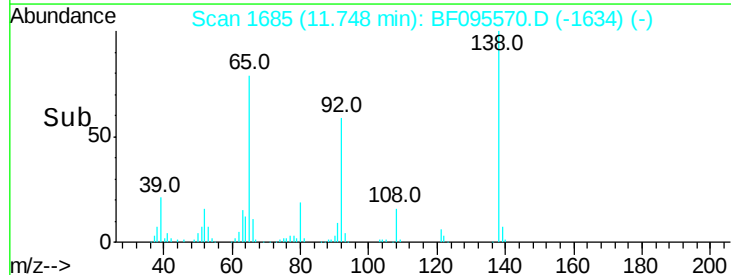
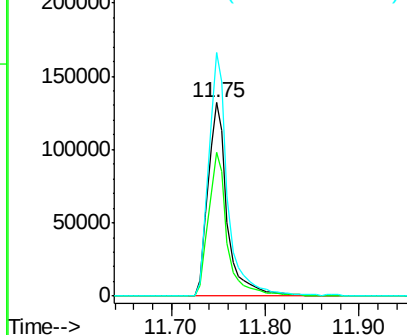


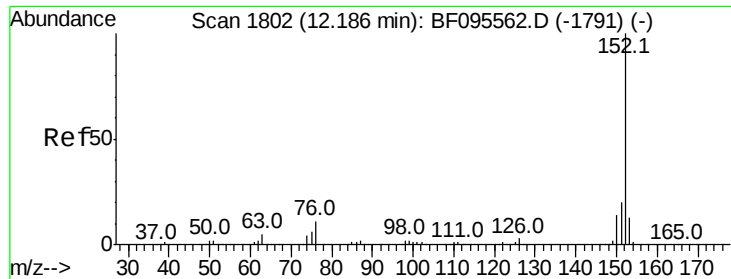
#47  
2-Nitroaniline  
Concen: 51.52 ng  
RT: 11.75 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 65      | 100   | 192215 |        |       |
| 92      | 74.4  | 53.9   | 80.9   |       |
| 138     | 126.0 | 78.8   | 118.2# |       |



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 46.97 ng

RT: 12.18 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion:152 Resp: 1002778

Ion Ratio Lower Upper

152 100

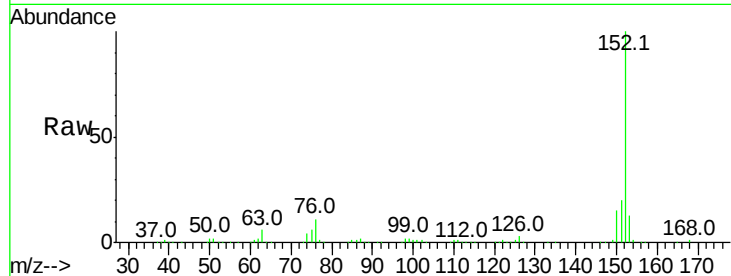
151 20.3 16.8 25.2

153 12.8 10.8 16.2

Manual Integrations  
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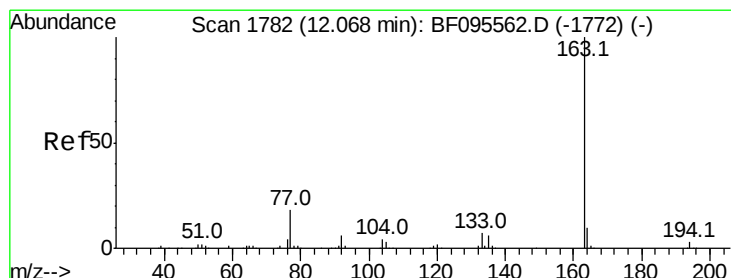
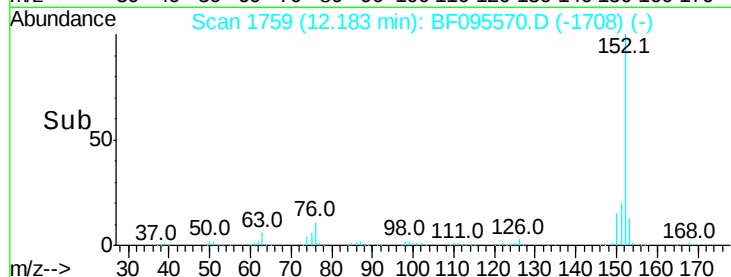
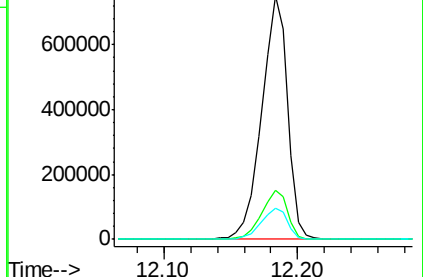
6/1/2017 2:20:01 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 57.07 ng

RT: 12.07 min Scan# 1740

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

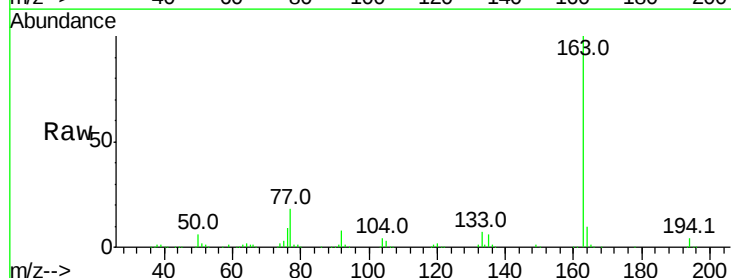
Tgt Ion:163 Resp: 939370

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

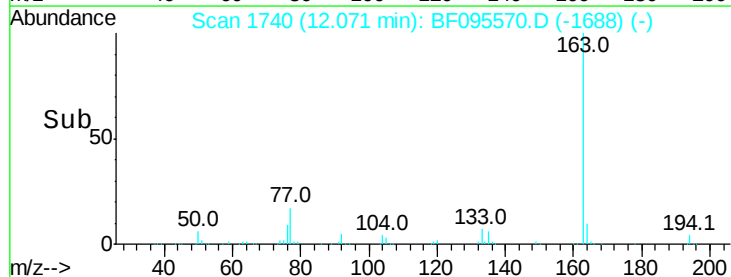
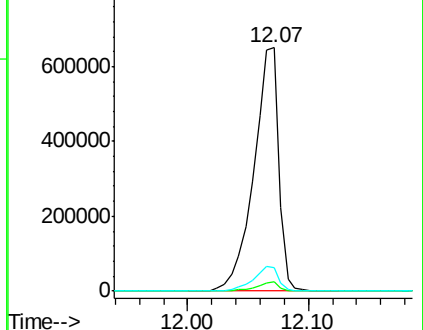
164 9.8 8.4 12.6

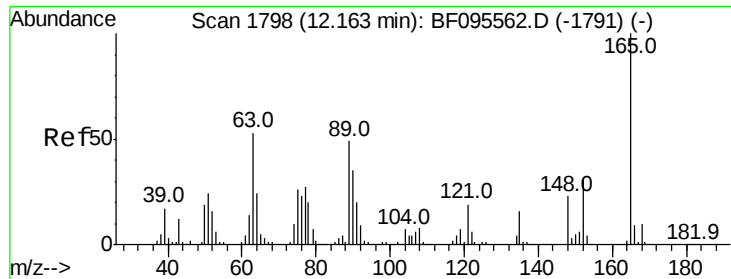


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50  
2,6-Dinitrotoluene  
Concen: 50.45 ng  
RT: 12.17 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

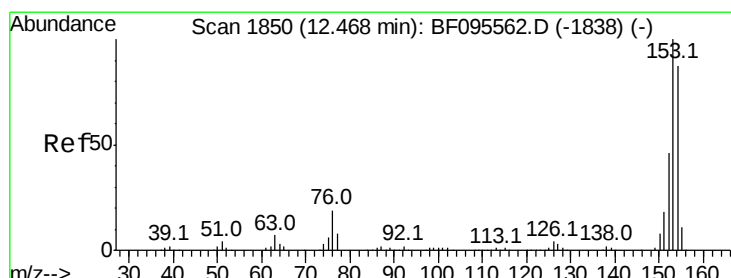
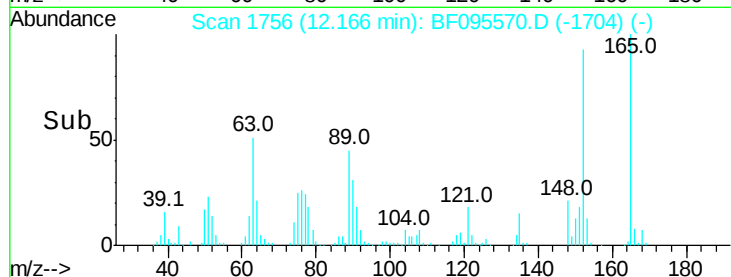
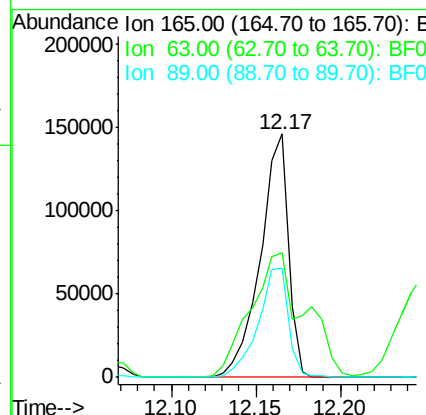
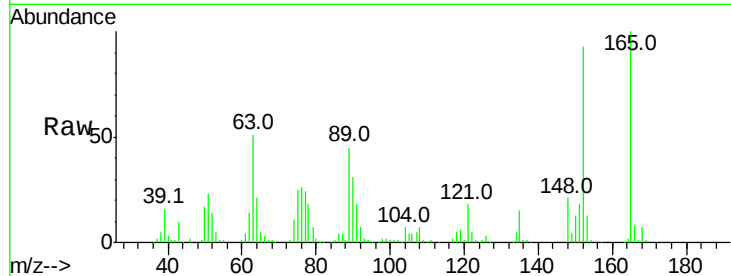
Instrument :  
BNA\_F  
ClientSampled :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 169401 |       |       |
| 63      | 51.3  | 34.3   | 51.5  |       |
| 89      | 45.1  | 37.1   | 55.7  |       |

Manual Integrations  
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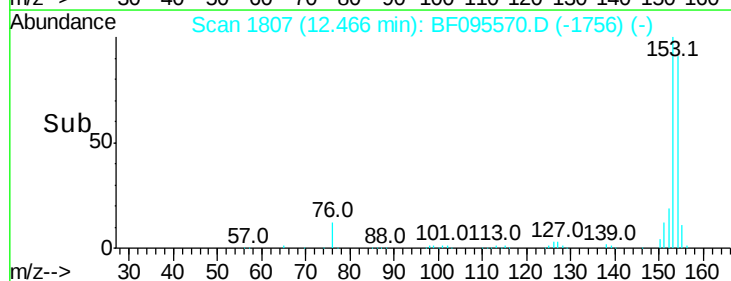
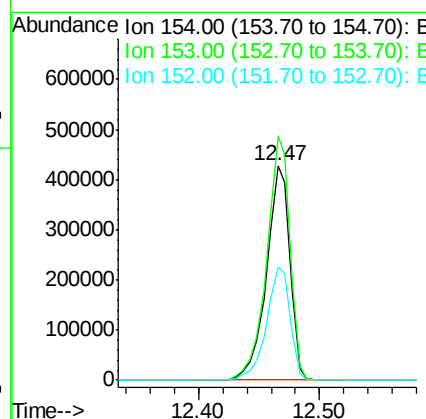
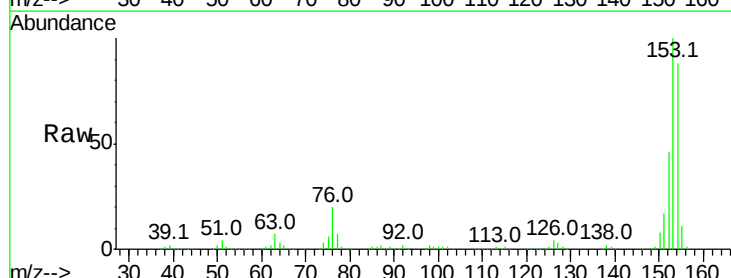
mohammad

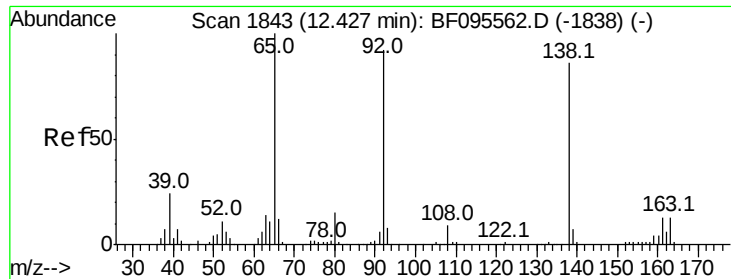
6/1/2017 2:20:01 PM



#51  
Acenaphthene  
Concen: 45.00 ng  
RT: 12.47 min Scan# 1807  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 573766 |       |       |
| 153     | 113.5 | 90.5   | 135.7 |       |
| 152     | 52.5  | 43.6   | 65.4  |       |





#52  
3-Nitroaniline  
Concen: 33.37 ng  
RT: 12.43 min Scan# 1801  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

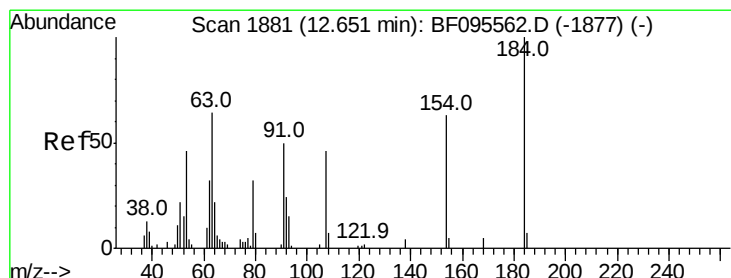
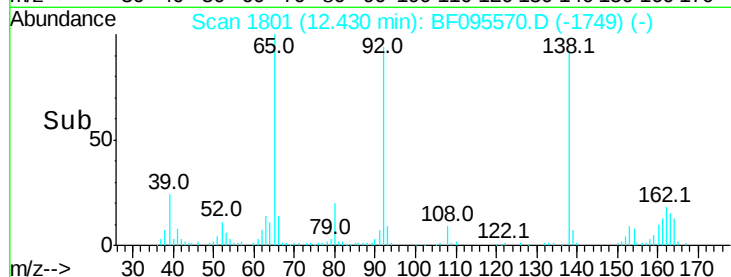
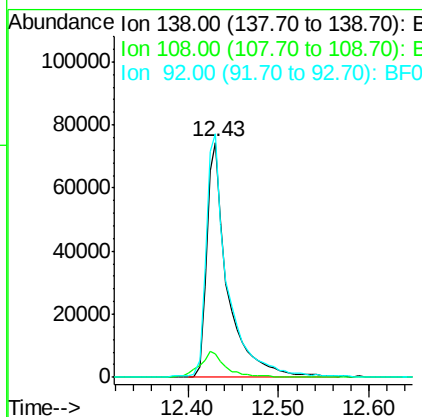
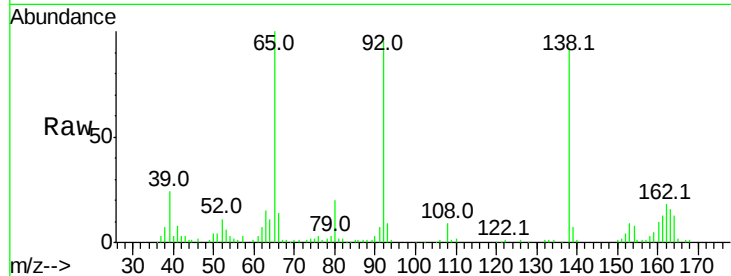
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.1  | 9.1   | 13.7  |
| 92      | 103.5 | 93.8  | 140.6 |

Manual Integrations  
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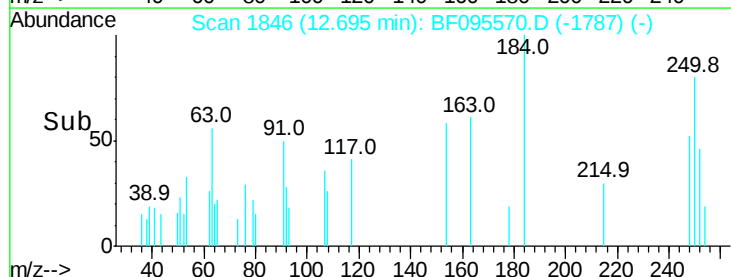
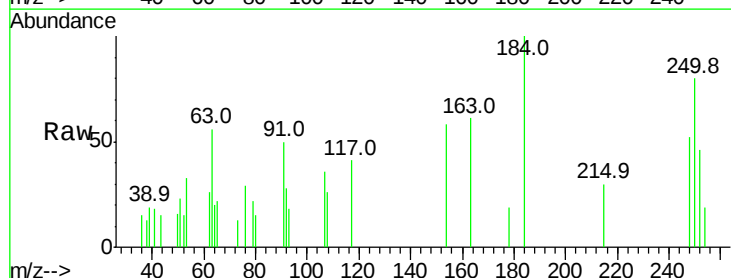
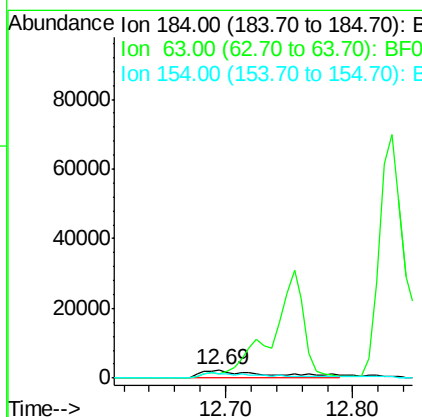
mohammad

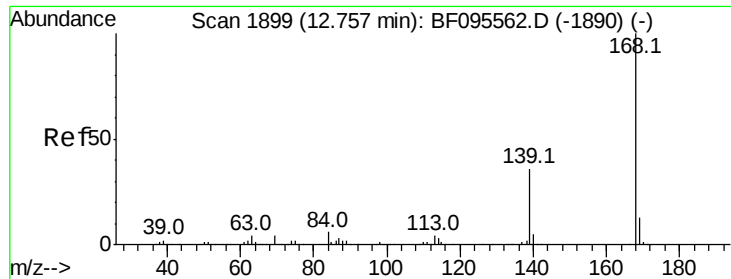
6/1/2017 2:20:01 PM



#53  
2,4-Dinitrophenol  
Concen: 10.69 ng m  
RT: 12.69 min Scan# 1846  
Delta R.T. 0.04 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 55.8  | 62.7  | 94.1#  |
| 154     | 58.1  | 81.1  | 121.7# |





#54

Dibenzofuran

Concen: 50.32 ng

RT: 12.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion:168 Resp: 887865

Ion Ratio Lower Upper

168 100

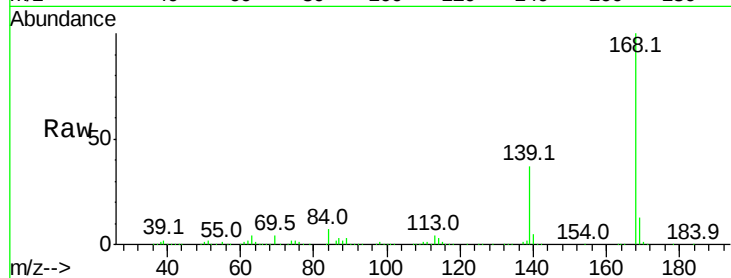
139 37.5 30.6 45.8

169 13.2 10.8 16.2

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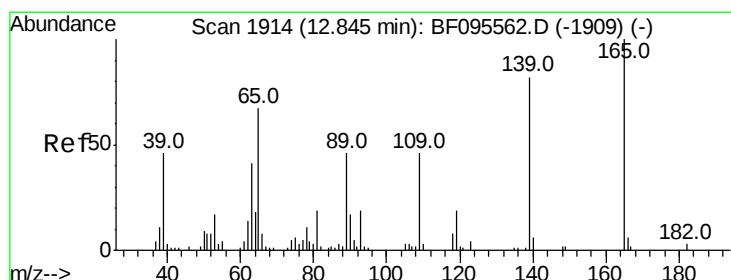
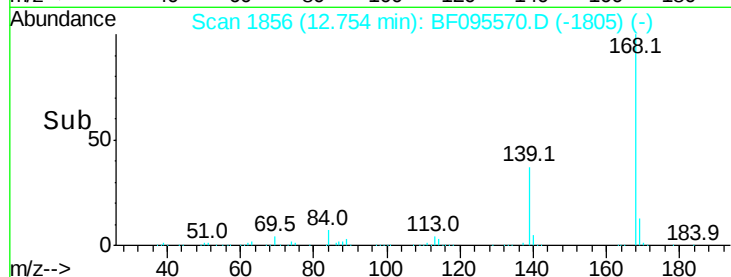
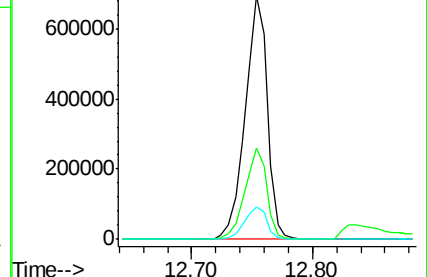
6/1/2017 2:20:01 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 65.42 ng

RT: 12.83 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

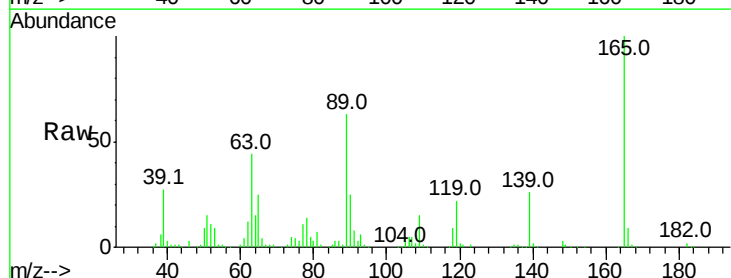
Tgt Ion:139 Resp: 141605

Ion Ratio Lower Upper

139 100

109 58.5 34.1 74.1

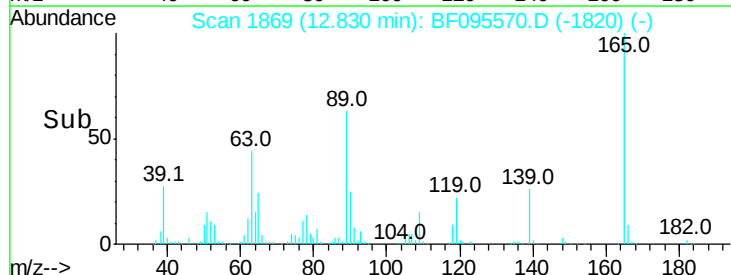
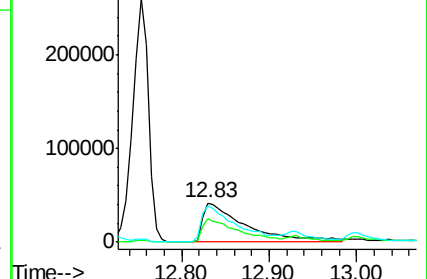
65 93.4 31.4 71.4#

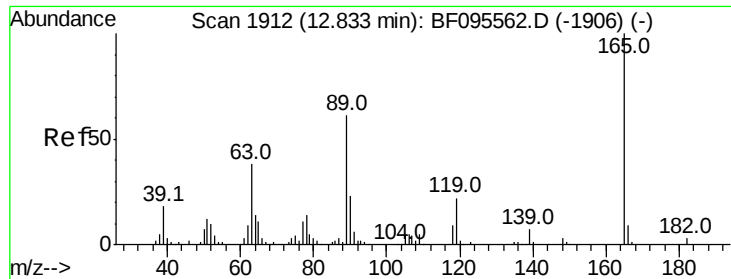


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56  
2,4-Dinitrotoluene  
Concen: 53.31 ng  
RT: 12.83 min Scan# 1869  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

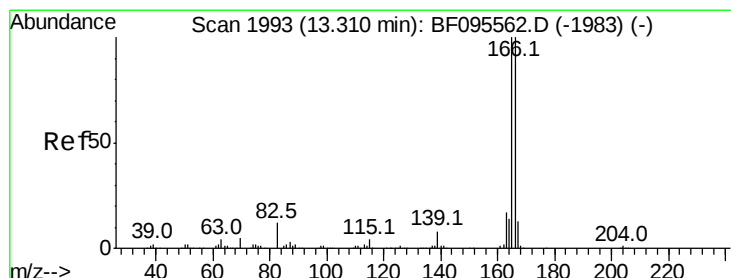
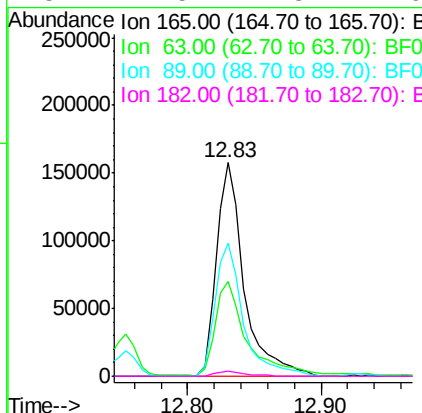
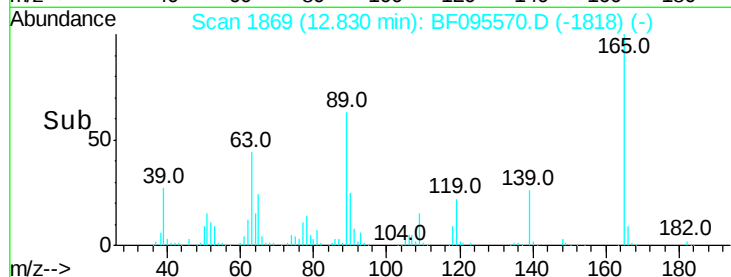
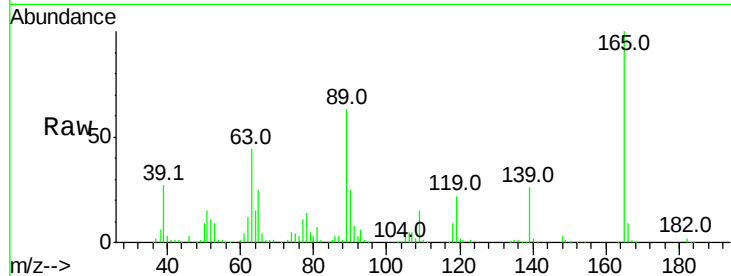
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 230037 |       |       |
| 63      | 44.3  | 25.4   | 38.0  | #     |
| 89      | 62.6  | 46.4   | 69.6  |       |
| 182     | 2.5   | 1.8    | 2.6   |       |

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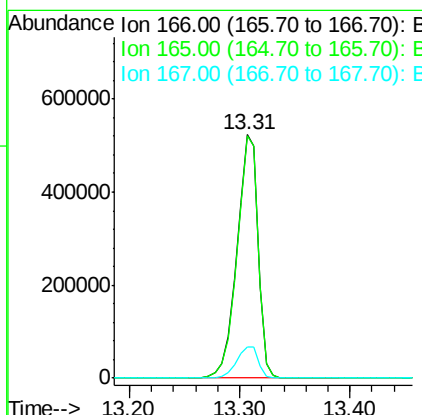
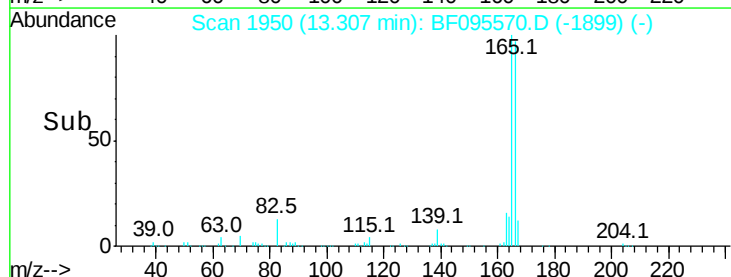
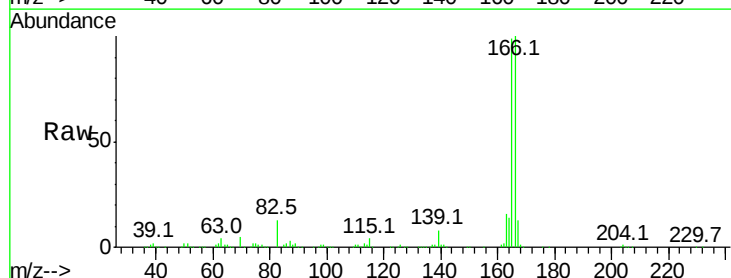
mohammad

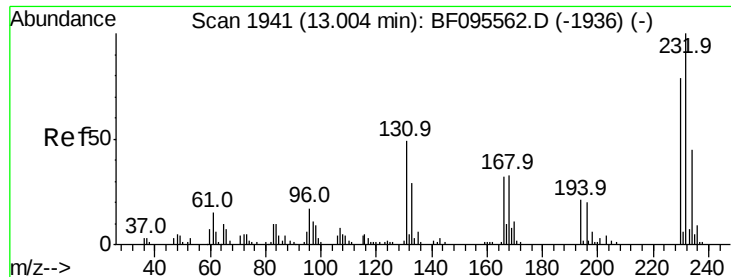
6/1/2017 2:20:01 PM



#57  
Fluorene  
Concen: 45.77 ng  
RT: 13.31 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 702360 |       |       |
| 165     | 99.3  | 78.8   | 118.2 |       |
| 167     | 12.8  | 10.6   | 16.0  |       |





#58

2,3,4,6-Tetrachlorophenol

Concen: 43.84 ng

RT: 13.00 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion:232 Resp: 122083

Ion Ratio Lower Upper

232 100

131 51.5 44.8 67.2

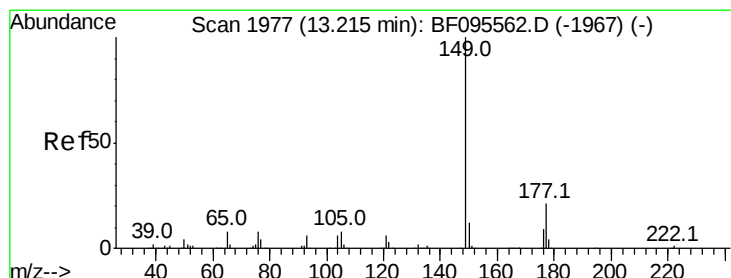
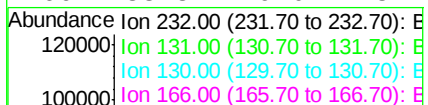
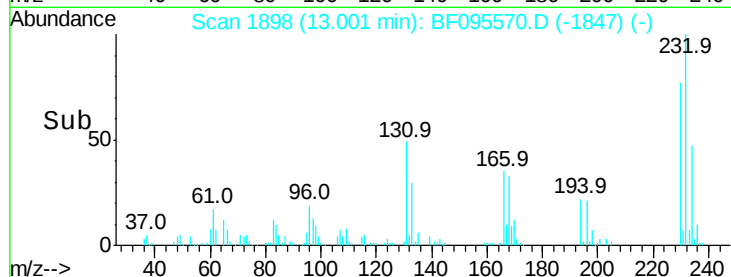
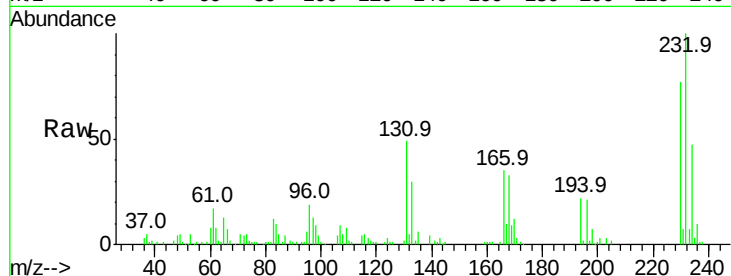
130 2.2 2.3 3.5#

166 33.3 29.0 43.4

Manual Integrations  
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6/1/2017 2:20:01 PM



#59

Diethylphthalate

Concen: 46.38 ng

RT: 13.21 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

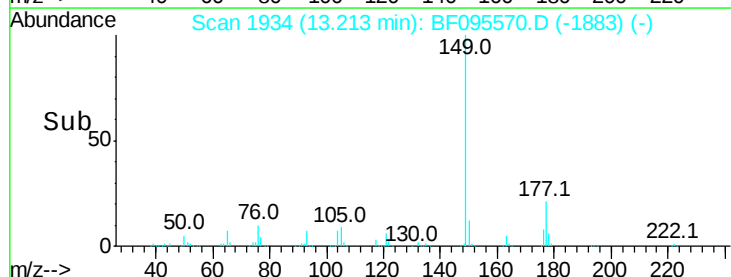
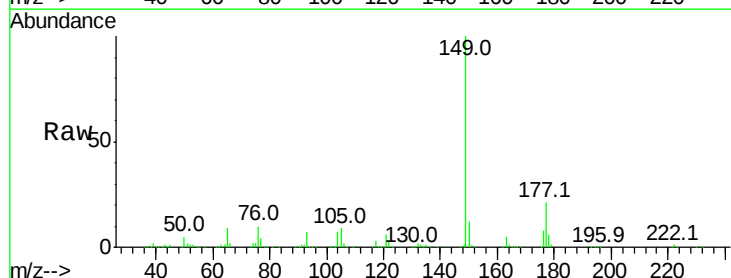
Tgt Ion:149 Resp: 731714

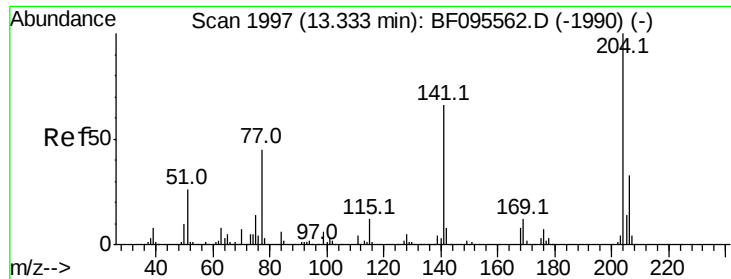
Ion Ratio Lower Upper

149 100

177 21.3 16.7 25.1

150 12.3 10.2 15.2





#60  
4-Chlorophenyl-phenylether  
Concen: 45.88 ng  
RT: 13.34 min Scan# 1955  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

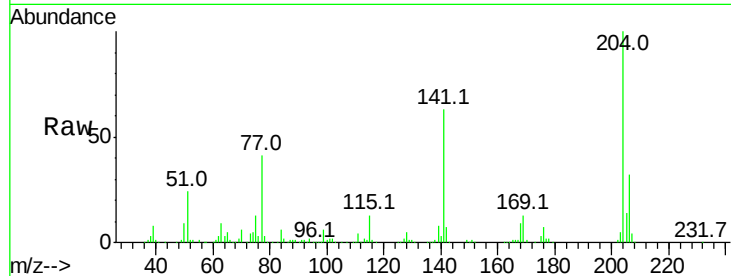
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.3  | 26.2  | 39.2  |
| 141     | 63.1  | 60.8  | 91.2  |

Manual Integrations  
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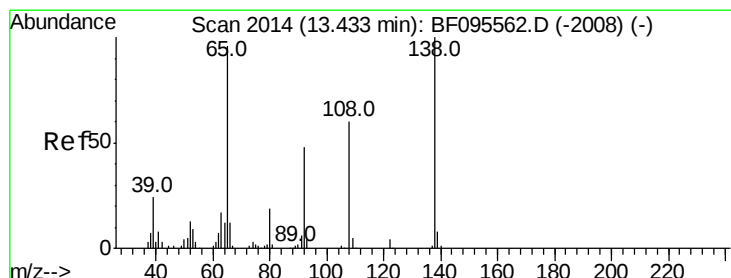
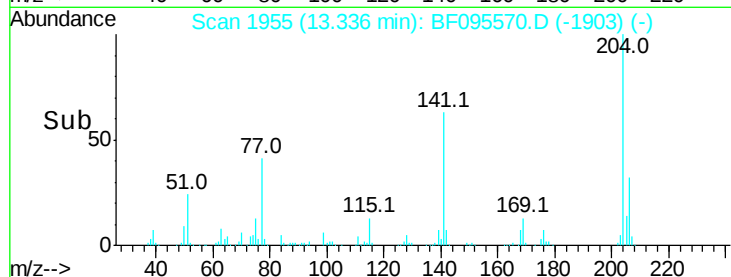
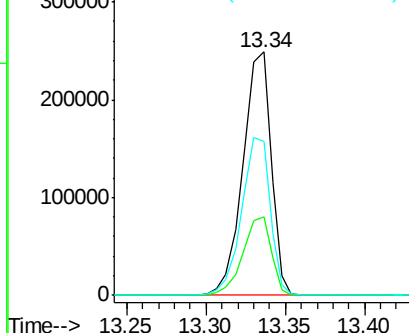


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61  
4-Nitroaniline  
Concen: 49.78 ng  
RT: 13.43 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

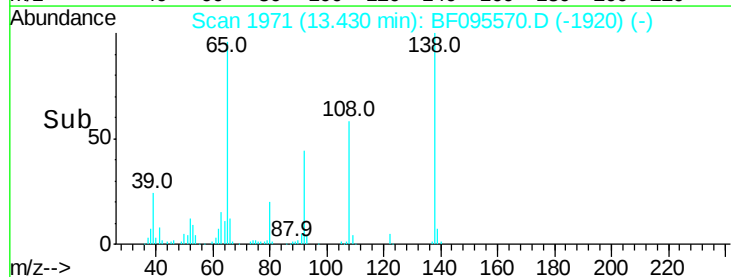
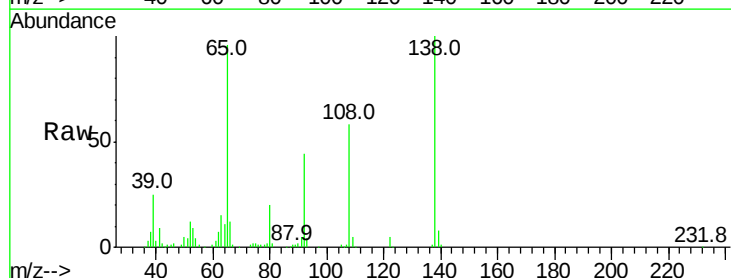
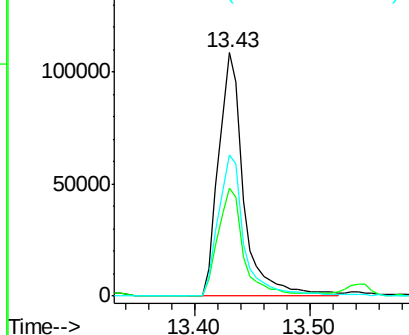
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 44.4  | 21.8  | 61.8  |
| 108     | 58.1  | 42.3  | 82.3  |

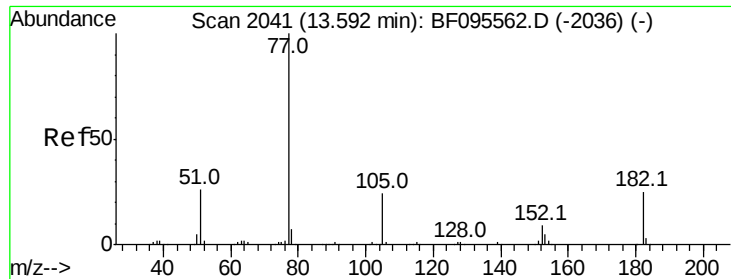
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62  
Azobenzene  
Concen: 52.52 ng  
RT: 13.59 min Scan# 1999  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

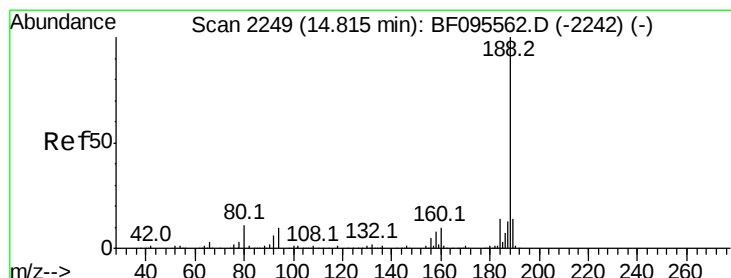
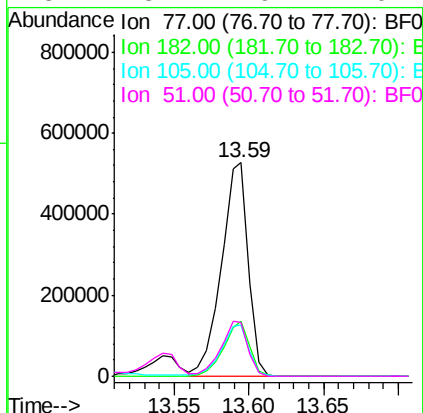
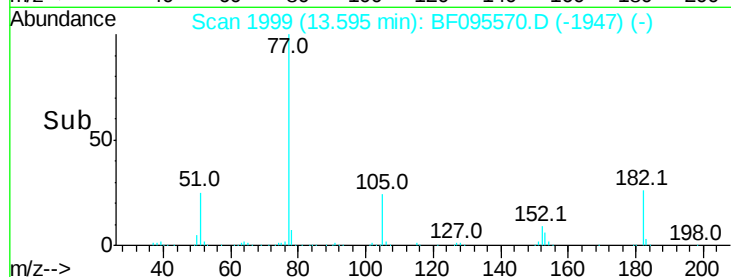
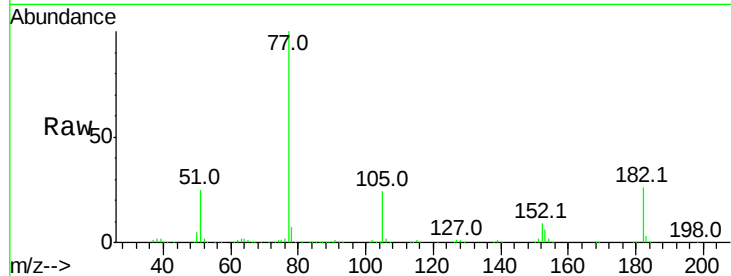
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 25.8  | 0.1  | 40.1  |       |
| 105     | 23.9  | 3.6  | 43.6  |       |
| 51      | 25.4  | 9.4  | 49.4  |       |

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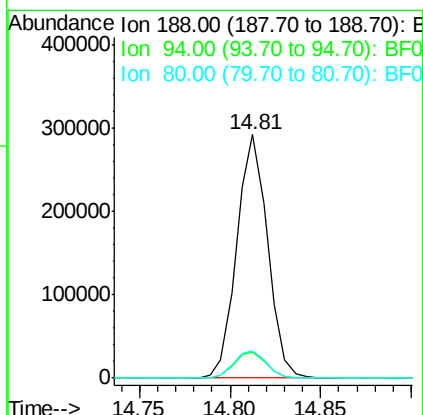
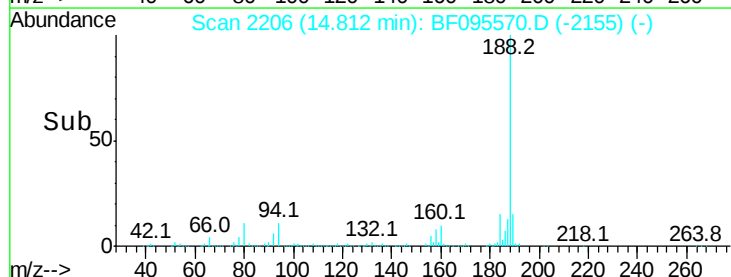
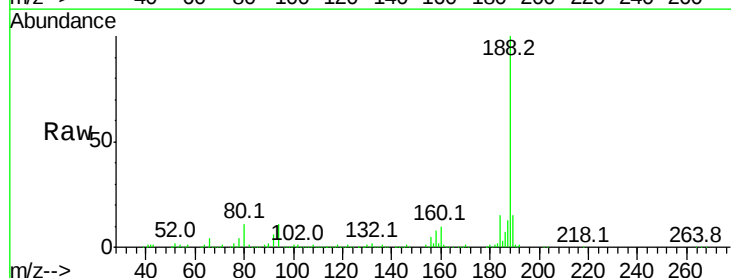
mohammad

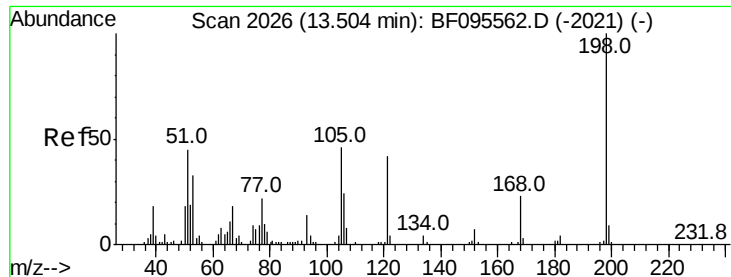
6/1/2017 2:20:01 PM



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.81 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 10.7  | 9.4  | 14.2  |       |
| 80      | 11.2  | 10.2 | 15.2  |       |





#64  
4,6-Dinitro-2-methylphenol  
Concen: 16.46 ng  
RT: 13.51 min Scan# 1985  
Delta R.T. 0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

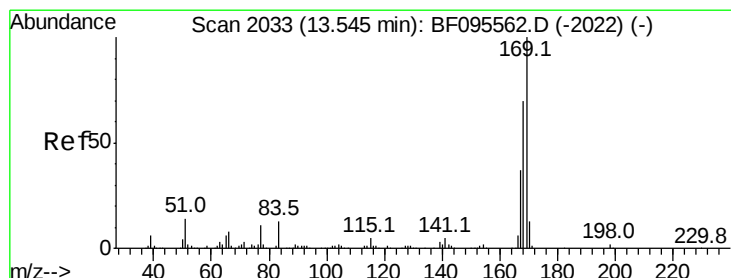
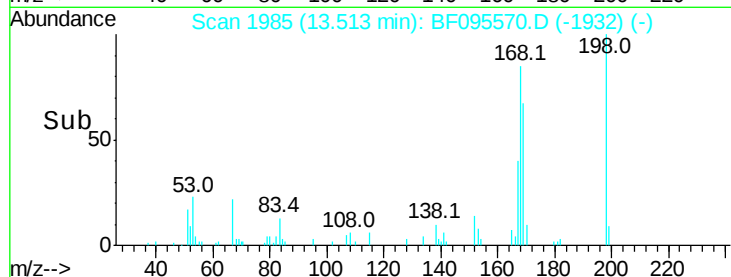
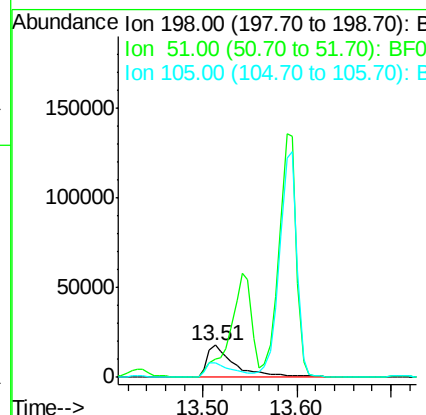
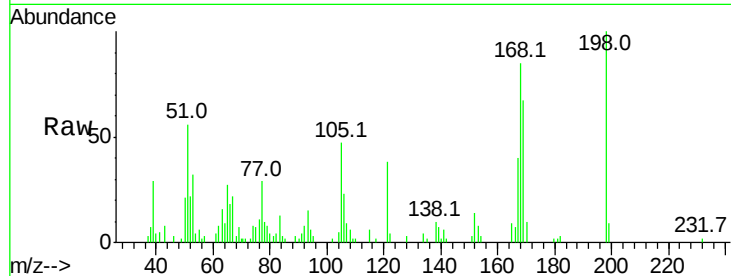
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 37949 |       |       |
| 51      | 55.6  |       | 53.2  | 93.2  |
| 105     | 46.6  |       | 45.8  | 85.8  |

Manual Integrations  
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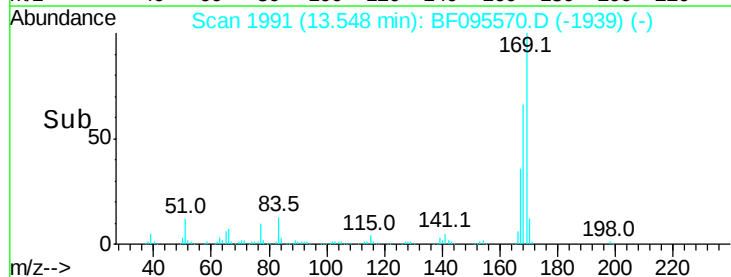
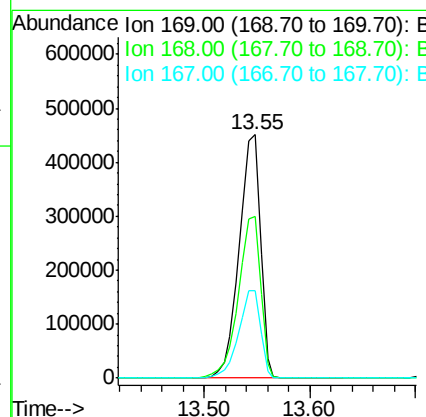
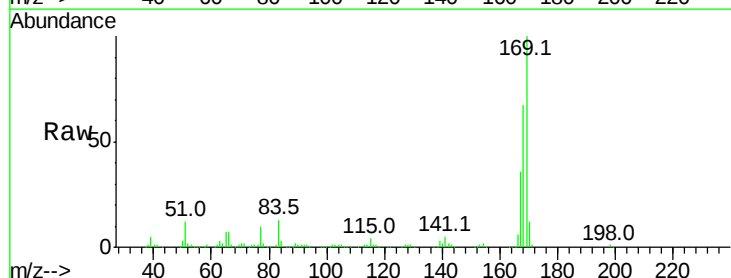
mohammad

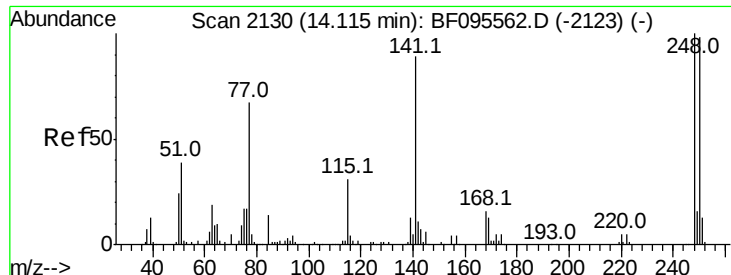
6/1/2017 2:20:01 PM



#65  
n-Nitrosodiphenylamine  
Concen: 50.17 ng  
RT: 13.55 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 626078 |       |       |
| 168     | 66.5  |        | 53.2  | 79.8  |
| 167     | 36.1  |        | 29.5  | 44.3  |





#66  
 4-Bromophenyl-phenylether  
 Concen: 48.89 ng  
 RT: 14.12 min Scan# 2088  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

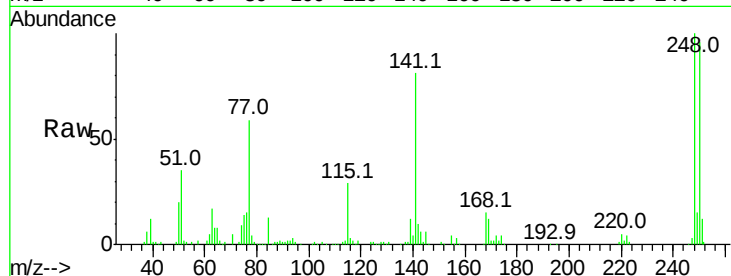
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.9  | 76.8  | 115.2 |
| 141     | 81.5  | 68.6  | 103.0 |

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6/1/2017 2:20:01 PM

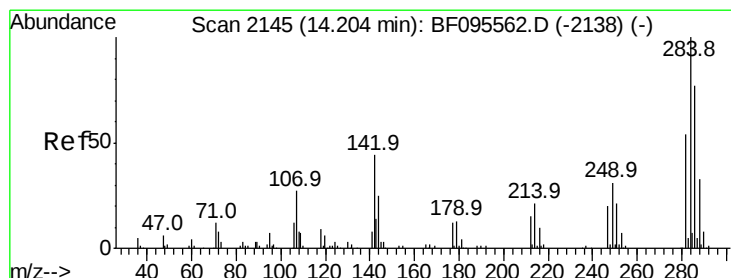
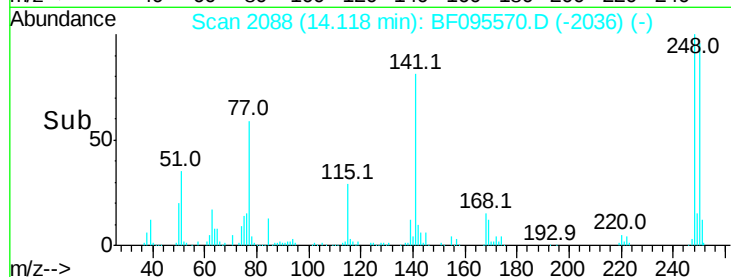
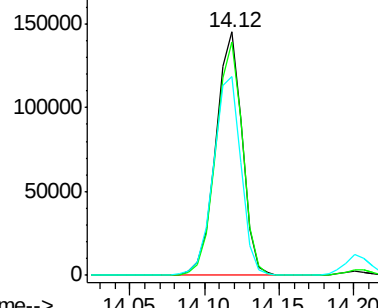


Abundance

Ion 248.00 (247.70 to 248.70): E

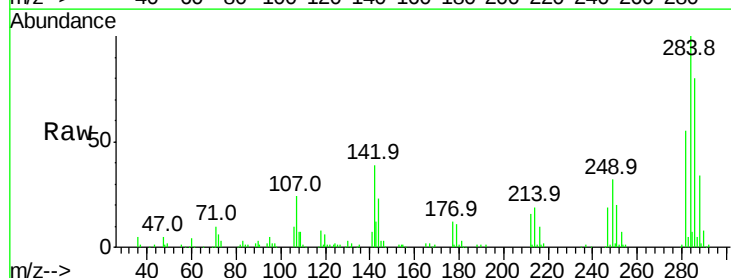
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67  
 Hexachlorobenzene  
 Concen: 46.84 ng  
 RT: 14.21 min Scan# 2103  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.3  | 22.8  | 34.2# |
| 249     | 31.8  | 24.0  | 36.0  |

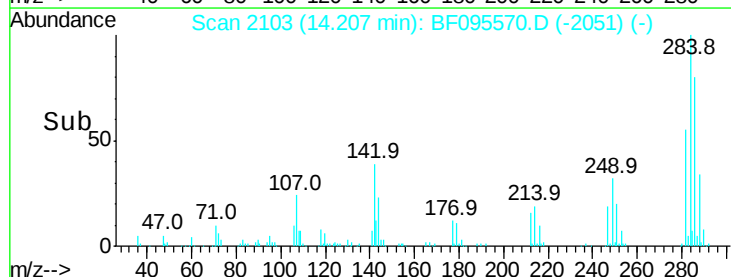
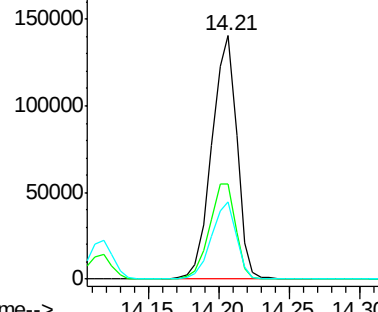


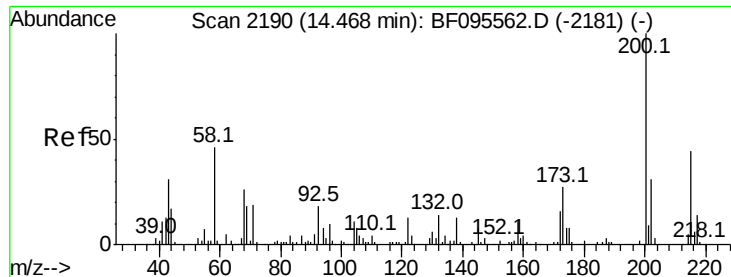
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68  
Atrazine  
Concen: 53.39 ng  
RT: 14.47 min Scan# 2147  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

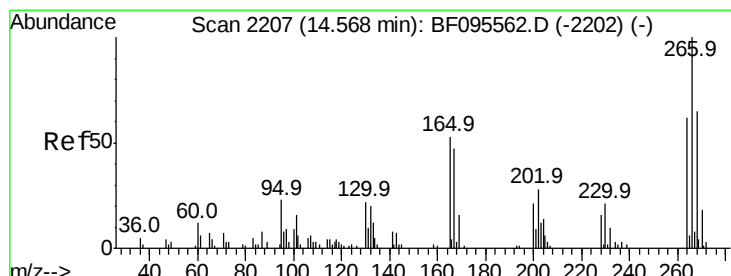
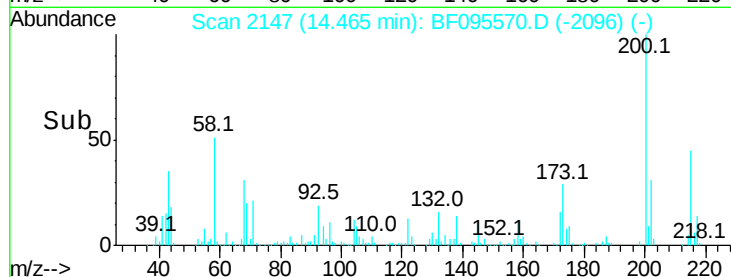
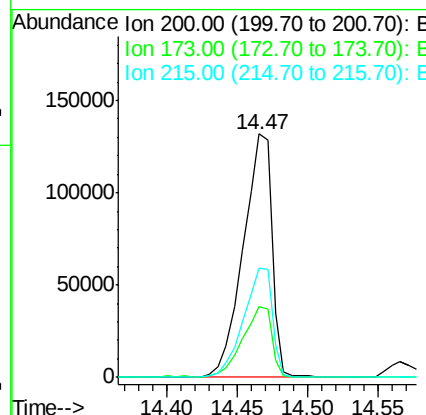
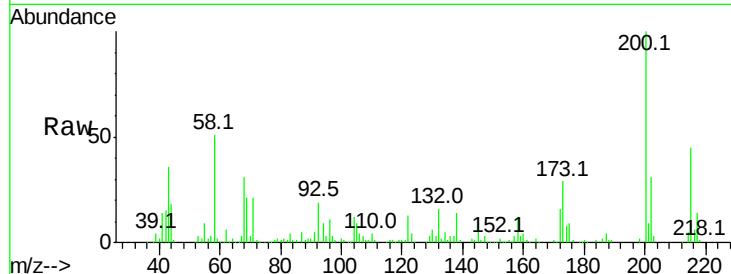
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 28.9  | 6.3        | 46.3  |
| 215     | 45.0  | 27.2       | 67.2  |

Manual Integrations  
APPROVED

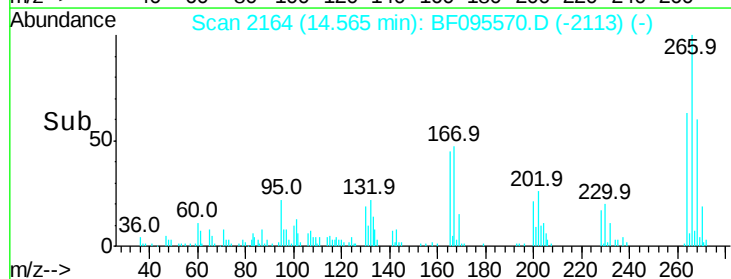
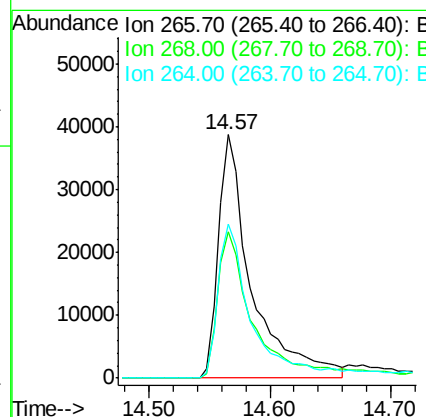
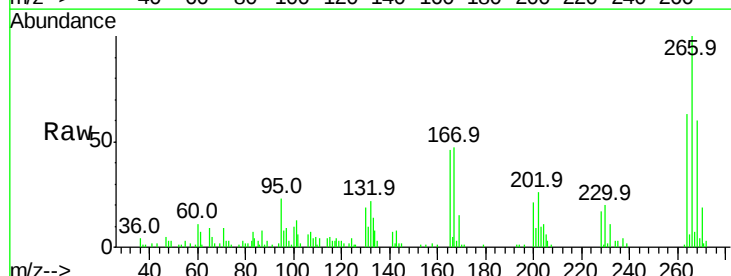
mohammad

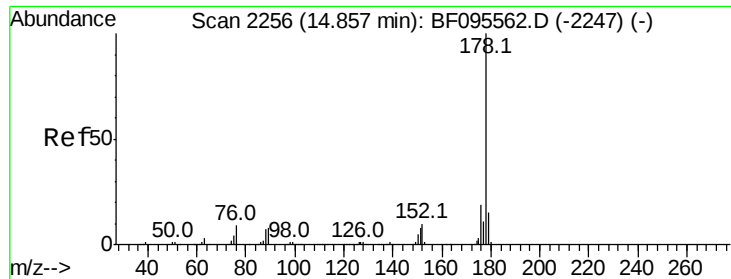
6/1/2017 2:20:01 PM



#69  
Pentachlorophenol  
Concen: 46.47 ng  
RT: 14.57 min Scan# 2164  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 60.2  | 51.1       | 76.7  |
| 264     | 63.0  | 51.7       | 77.5  |





#70  
Phenanthrene  
Concen: 48.41 ng  
RT: 14.85 min Scan# 2213  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

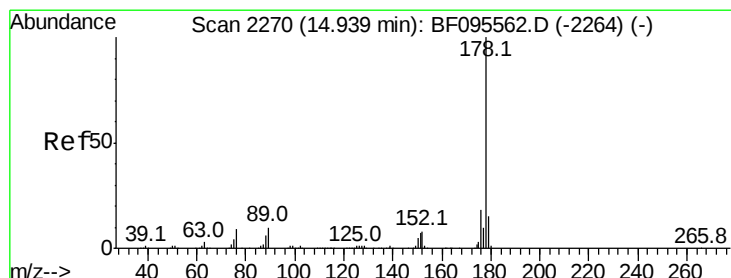
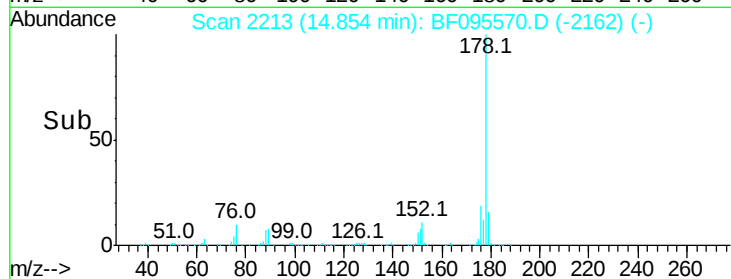
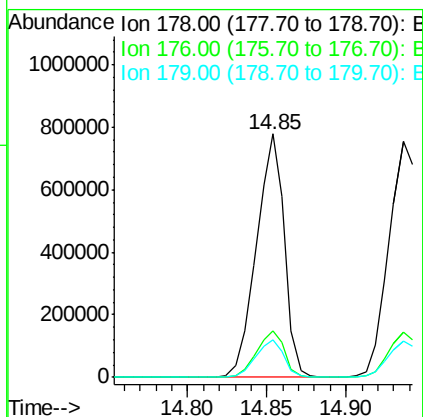
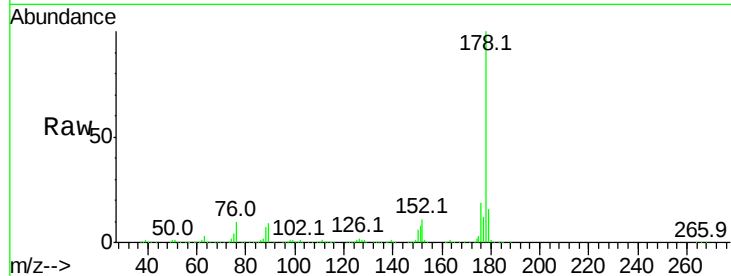
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 16.2  | 24.4  |
| 179     | 15.7  | 12.6  | 19.0  |

Manual Integrations  
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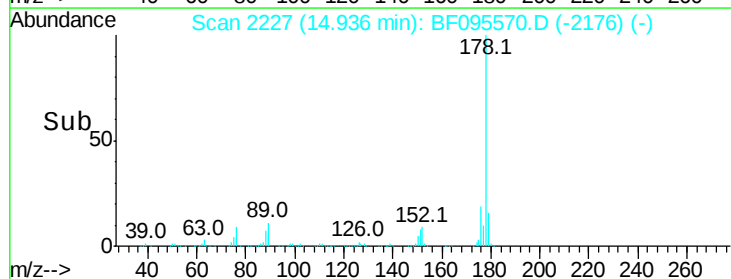
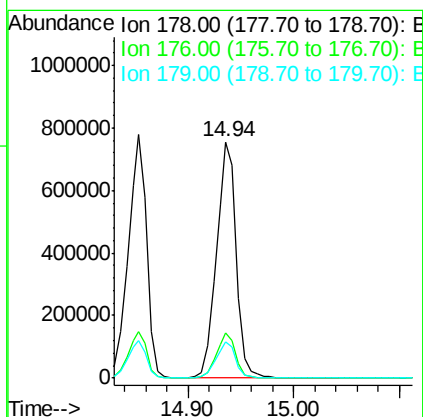
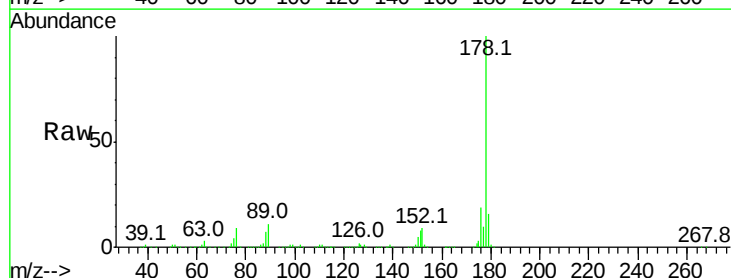
mohammad

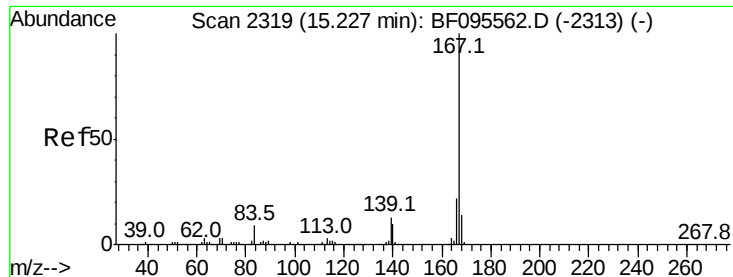
6/1/2017 2:20:01 PM



#71  
Anthracene  
Concen: 48.86 ng  
RT: 14.94 min Scan# 2227  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.8  | 23.8  |
| 179     | 15.6  | 12.7  | 19.1  |





#72

Carbazole

Concen: 51.28 ng

RT: 15.22 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

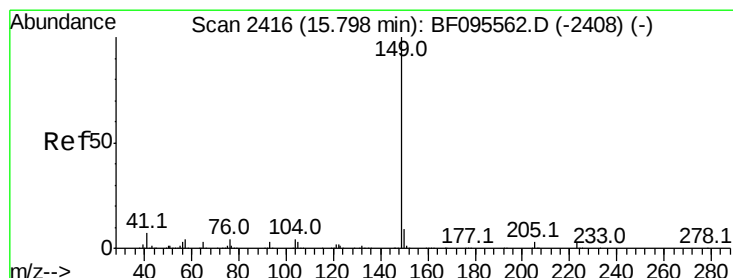
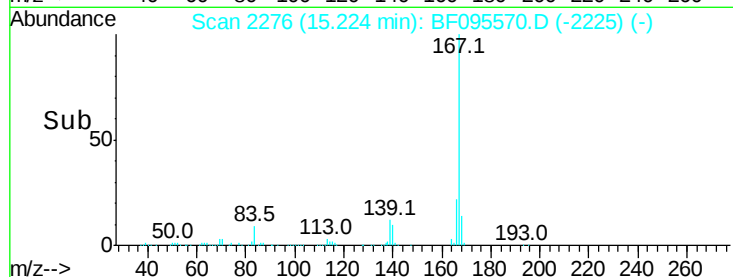
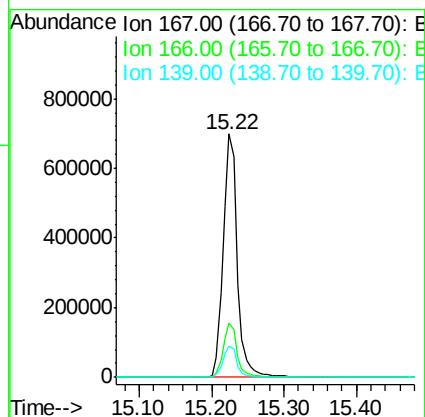
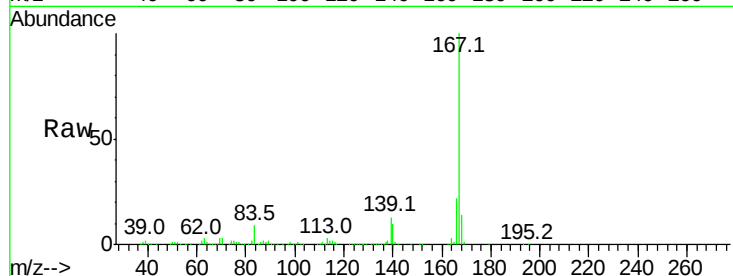
B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 941525 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.0  | 18.1  | 27.1   |
| 139       | 13.0  | 11.7  | 17.5   |

Manual Integrations  
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#73

Di-n-butylphthalate

Concen: 47.60 ng

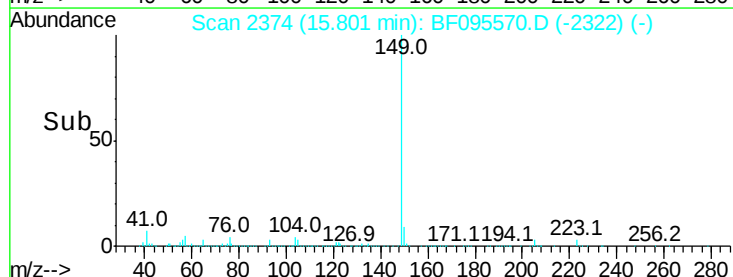
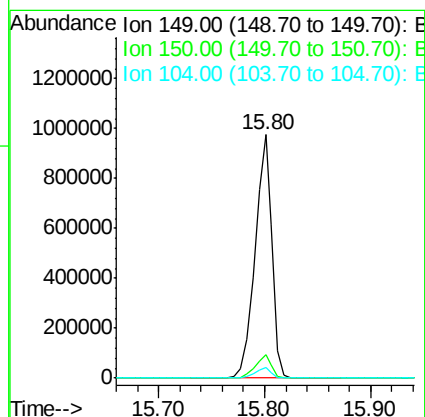
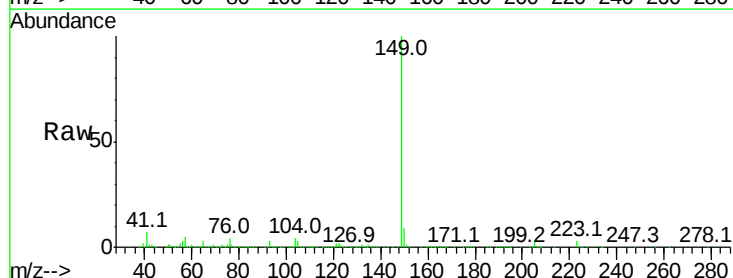
RT: 15.80 min Scan# 2374

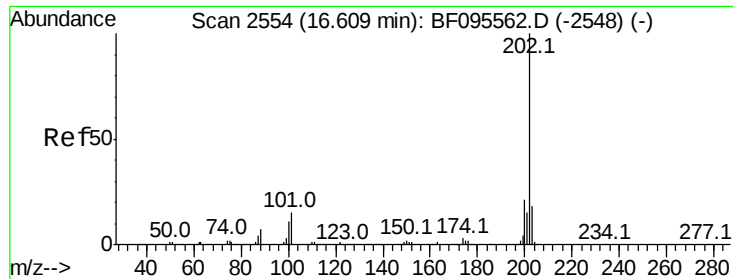
Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1089878 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 9.4   | 7.7   | 11.5    |
| 104       | 4.4   | 4.0   | 6.0     |





#74

Fluoranthene

Concen: 45.75 ng

RT: 16.61 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

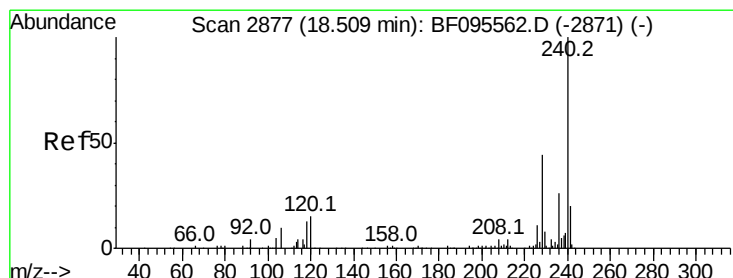
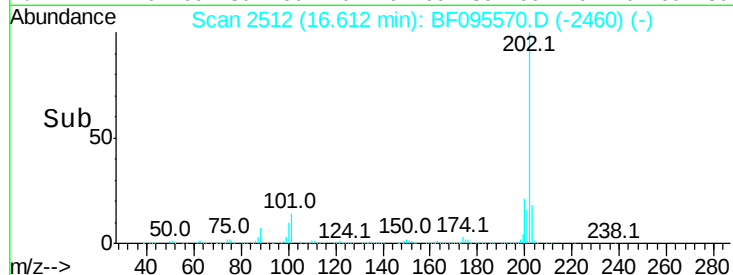
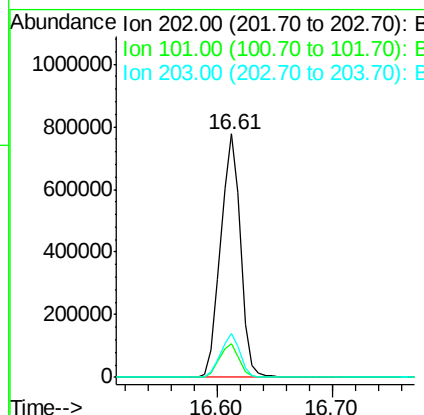
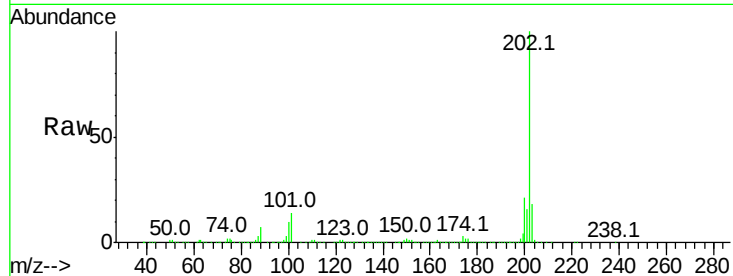
B-7(3-7)MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 14.0  | 0.0        | 33.2  |
| 203     | 17.8  | 0.0        | 38.1  |

Manual Integrations  
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#75

Chrysene-d12

Concen: 20.00 ng

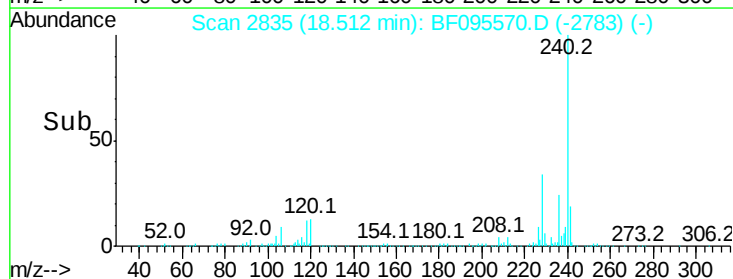
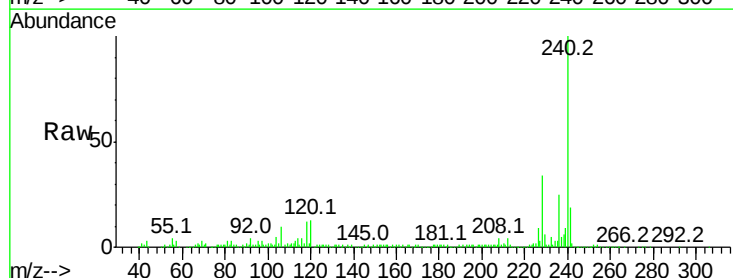
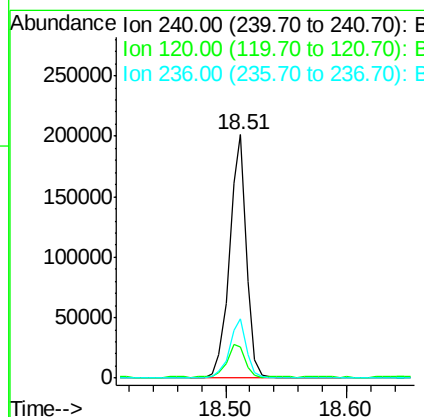
RT: 18.51 min Scan# 2835

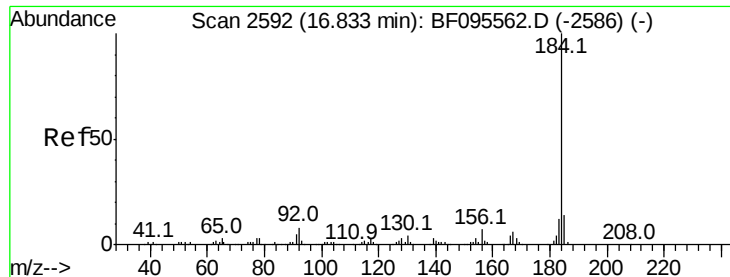
Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 13.0  | 5.8        | 8.8#  |
| 236     | 24.6  | 20.5       | 30.7  |





#76

Benzidine

Concen: 46.39 ng

RT: 16.84 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

Instrument :

BNA\_F

ClientSampleId :

B-7(3-7)MS

Tot Ion:184 Resp: 242843

Ion Ratio Lower Upper

184 100

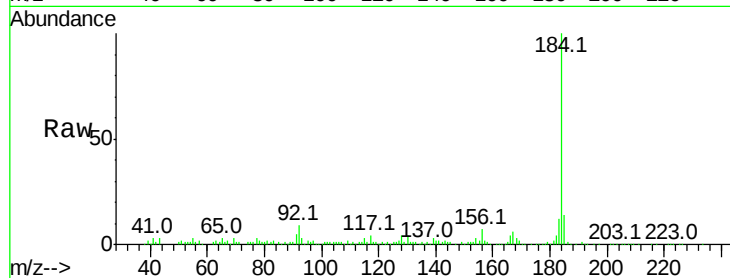
185 14.3 15.5 23.3#

183 12.3 9.8 14.6

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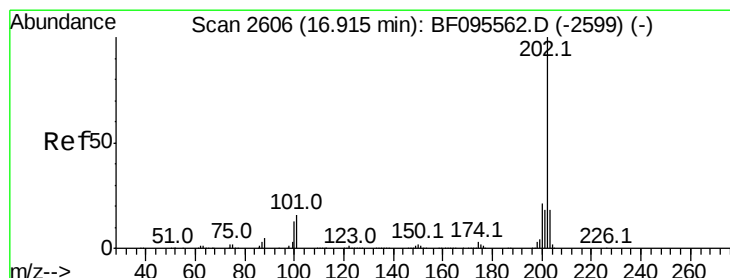
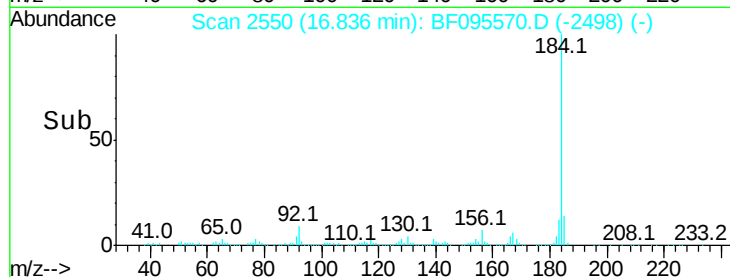
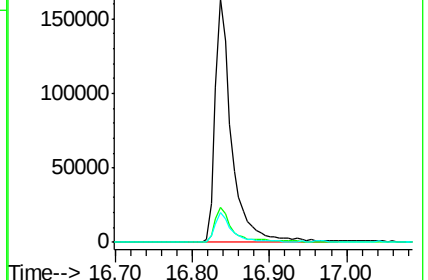
6/1/2017 2:20:01 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 61.82 ng

RT: 16.91 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BF095570.D

Acq: 31 May 2017 18:31

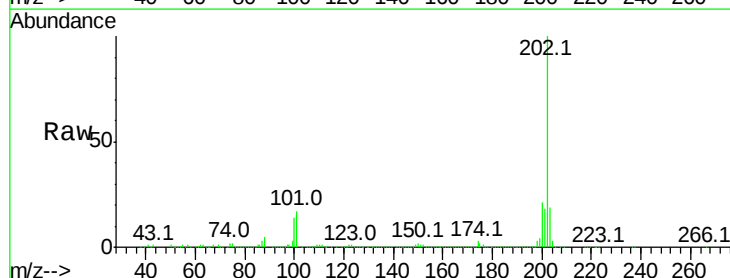
Tgt Ion:202 Resp: 899893

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

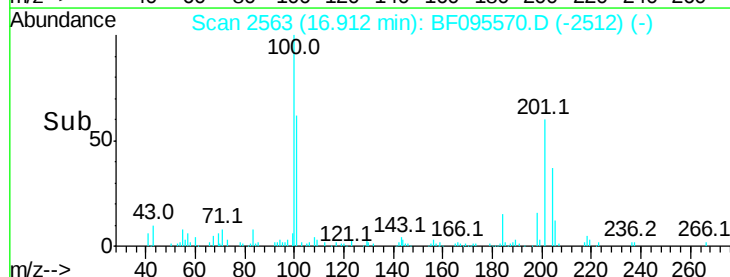
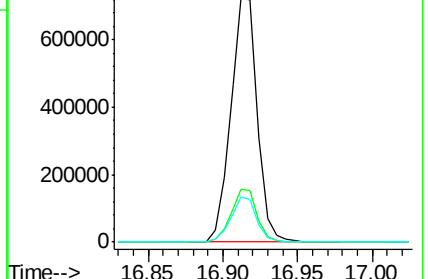
203 18.7 14.4 21.6

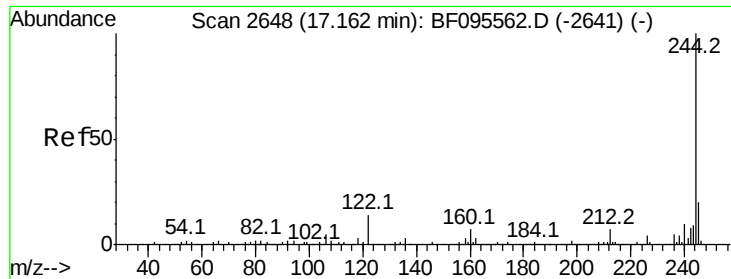


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78  
 Terphenyl-d14  
 Concen: 109.29 ng  
 RT: 17.17 min Scan# 2606  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

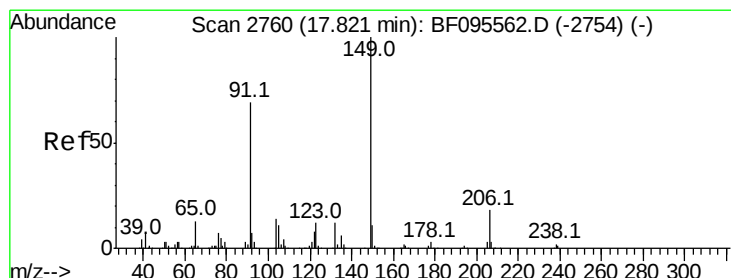
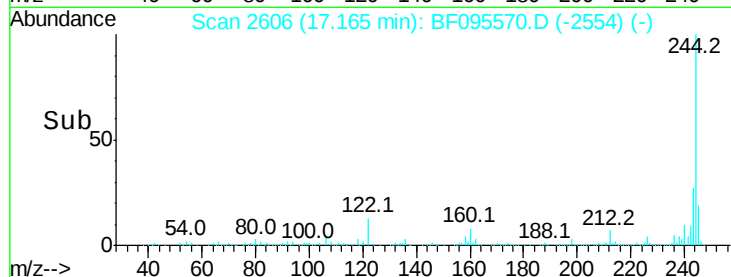
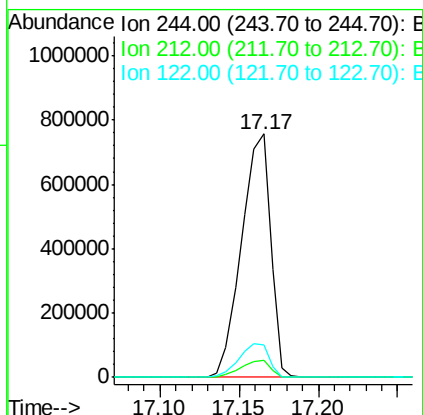
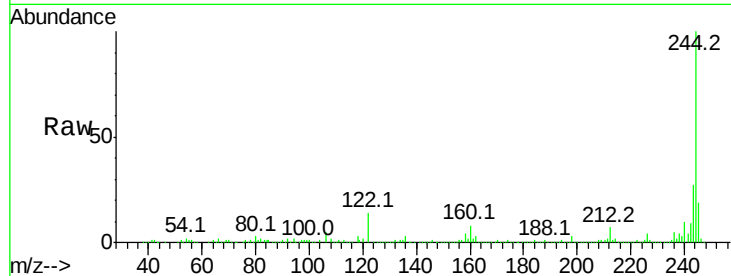
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 6.0   | 9.0   |
| 122     | 13.5  | 10.3  | 15.5  |

Manual Integrations  
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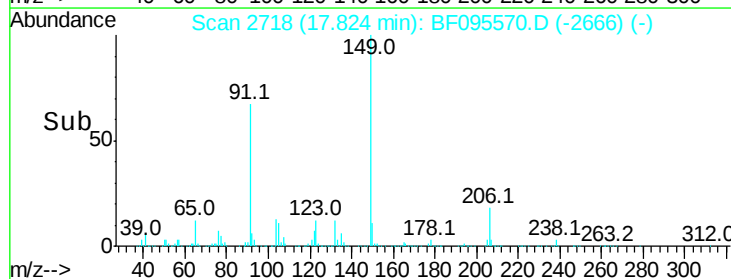
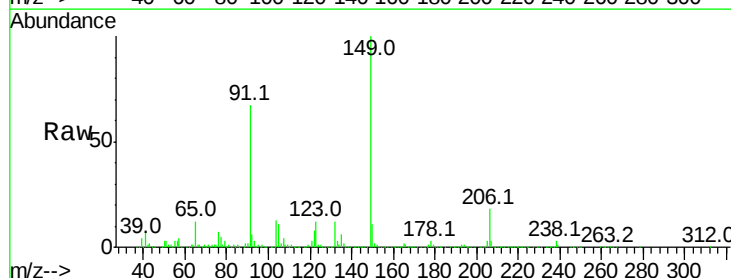
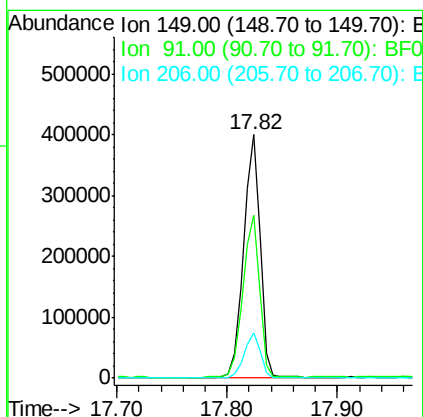
mohammad

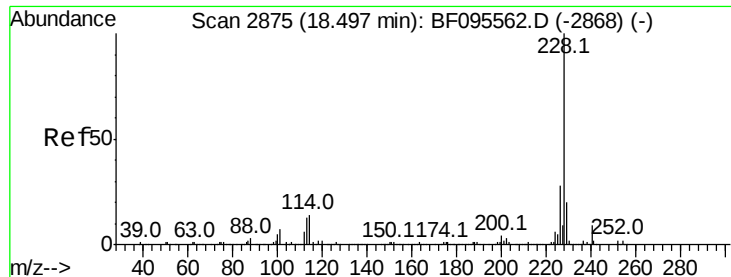
6/1/2017 2:20:01 PM



#79  
 Butylbenzylphthalate  
 Concen: 61.87 ng  
 RT: 17.82 min Scan# 2718  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 66.9  | 45.0  | 67.4  |
| 206     | 18.4  | 17.0  | 25.6  |





#80  
Benzo(a)anthracene  
Concen: 51.92 ng  
RT: 18.49 min Scan# 2832  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

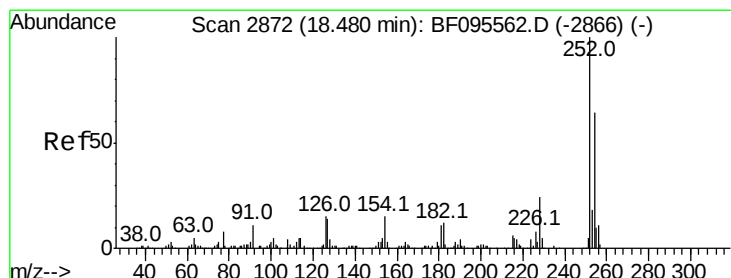
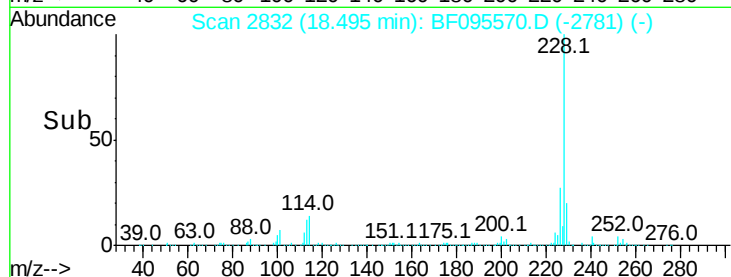
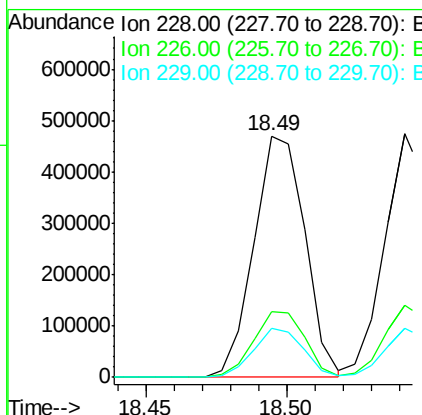
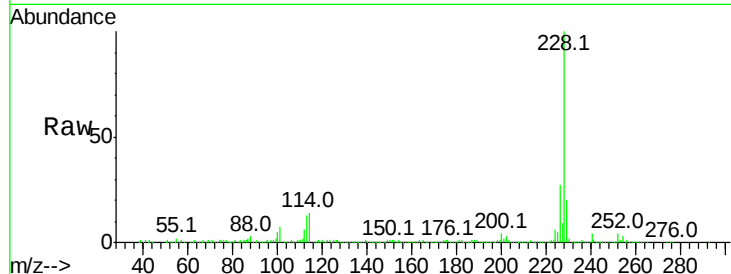
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 22.6  | 33.8  |
| 229     | 20.3  | 16.3  | 24.5  |

Manual Integrations  
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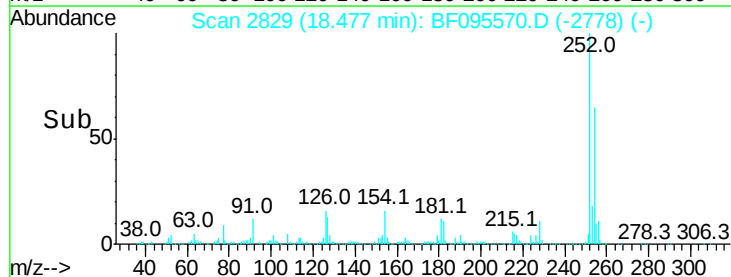
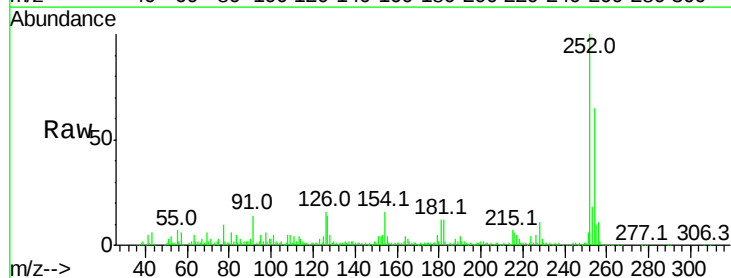
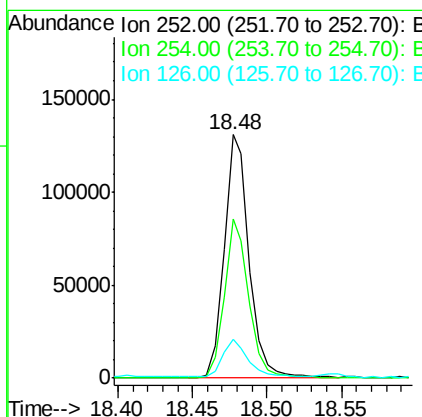
mohammad

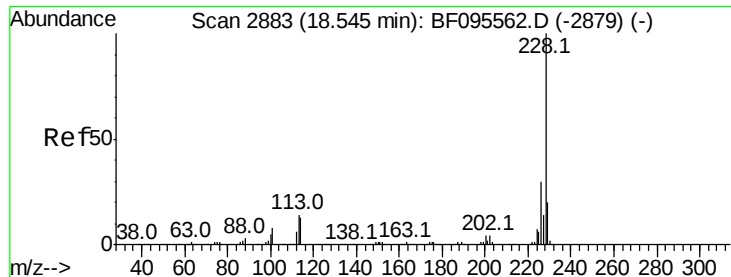
6/1/2017 2:20:01 PM



#81  
3,3'-Dichlorobenzidine  
Concen: 39.32 ng  
RT: 18.48 min Scan# 2829  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.4  | 51.5  | 77.3  |
| 126     | 16.1  | 15.8  | 23.8  |





#82  
 Chrysene  
 Concen: 47.97 ng  
 RT: 18.54 min Scan# 2840  
 Delta R.T. -0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

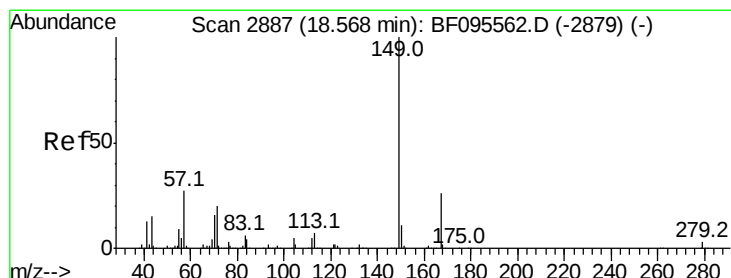
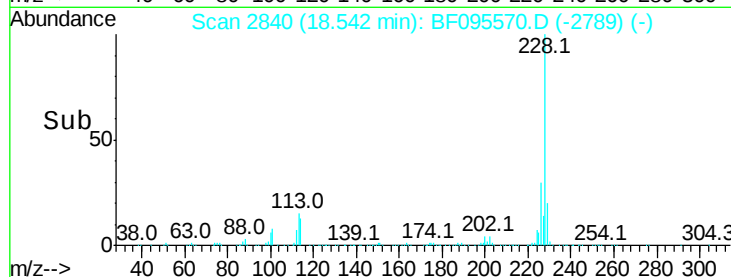
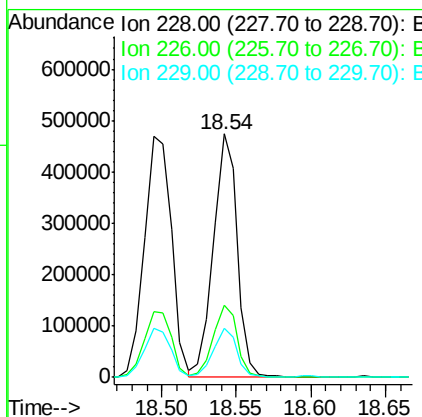
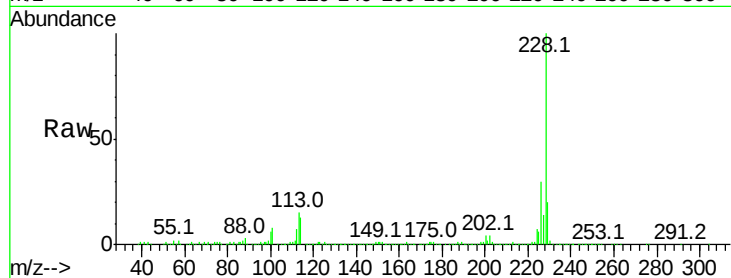
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 24.9  | 37.3  |
| 229     | 20.1  | 15.8  | 23.6  |

Manual Integrations  
 APPROVED

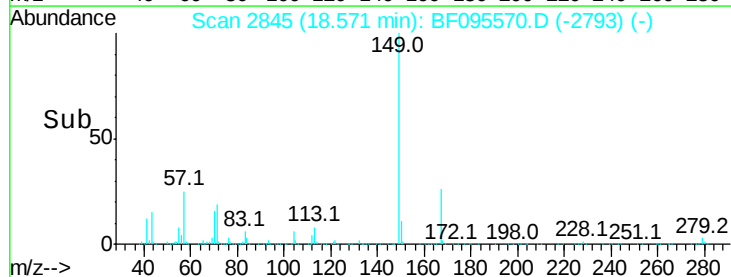
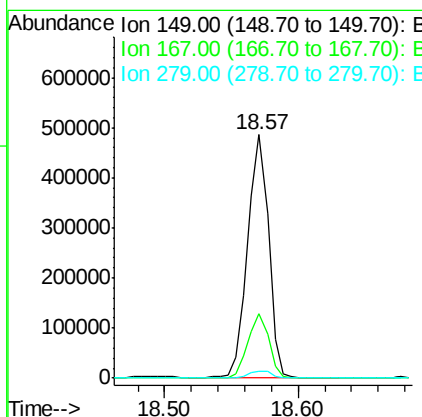
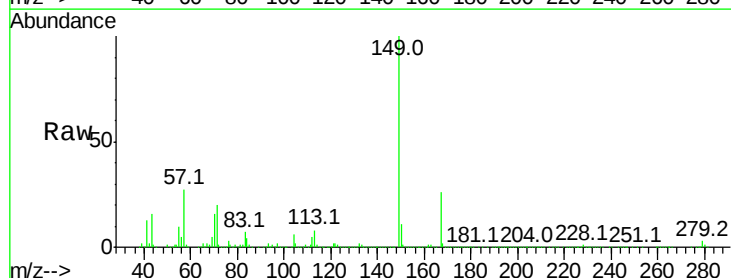
mohammad

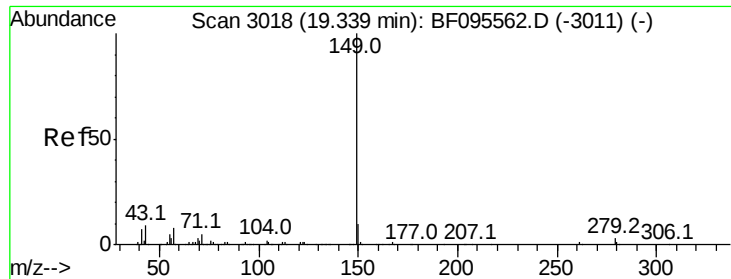
6/1/2017 2:20:01 PM



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 53.93 ng  
 RT: 18.57 min Scan# 2845  
 Delta R.T. 0.00 min  
 Lab File: BF095570.D  
 Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.4  | 21.0  | 31.4  |
| 279     | 3.0   | 1.9   | 2.9#  |





#84  
Di-n-octyl phthalate  
Concen: 53.97 ng  
RT: 19.34 min Scan# 2976  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

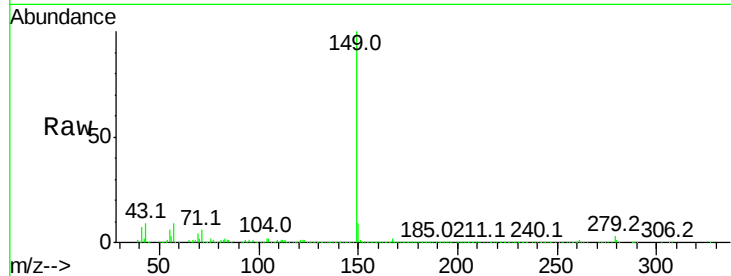
Instrument :  
BNA\_F  
ClientSampled :  
B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 853747 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.7   | 1.2   | 1.8    |
| 43        | 9.2   | 8.5   | 12.7   |

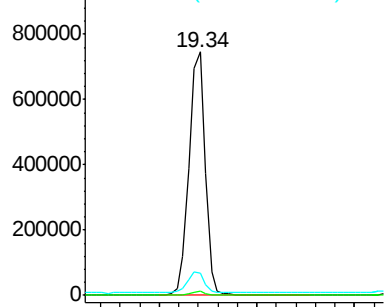
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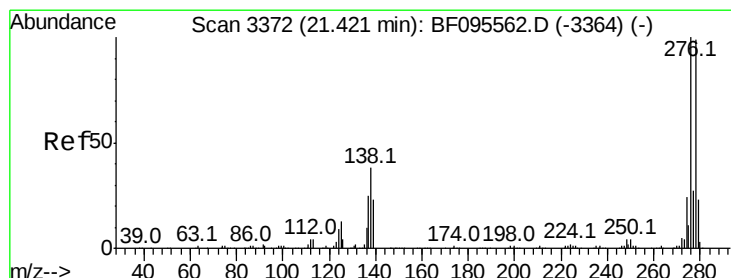
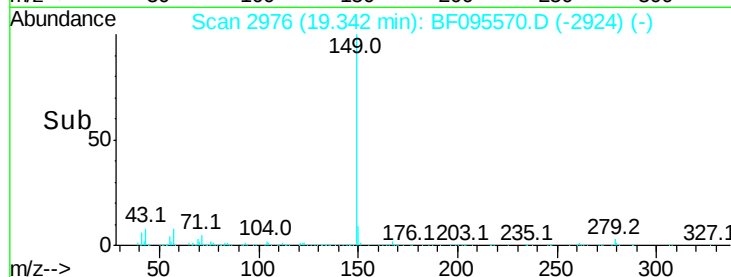
6/1/2017 2:20:01 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF0

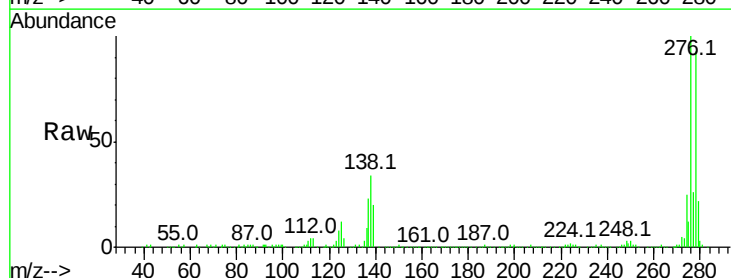


Time-->

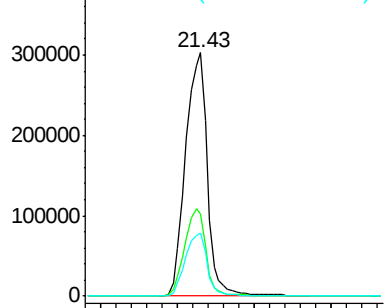


#85  
Indeno(1,2,3-cd)pyrene  
Concen: 66.47 ng  
RT: 21.43 min Scan# 3331  
Delta R.T. 0.01 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

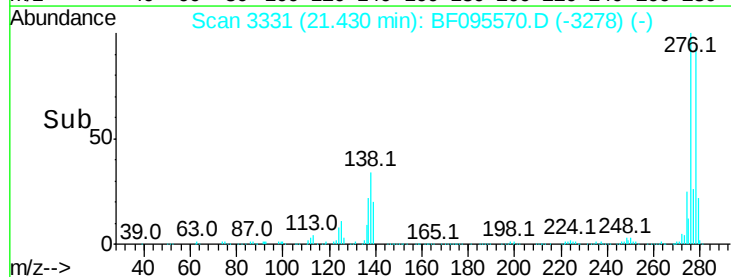
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 591258 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 34.8  | 27.8  | 41.6   |
| 277       | 26.0  | 20.2  | 30.4   |

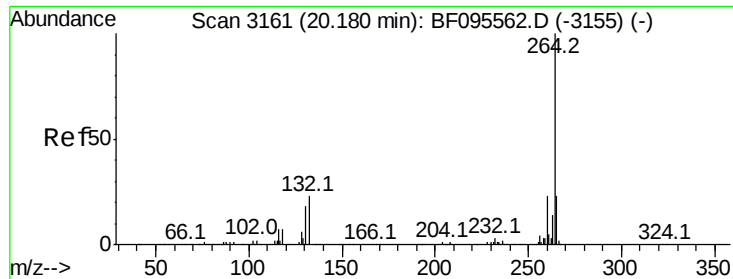


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



Time-->





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 20.18 min Scan# 3118  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

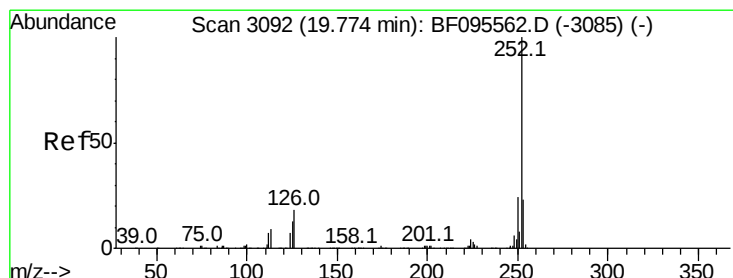
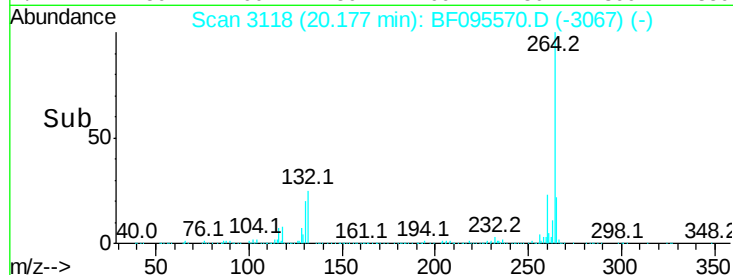
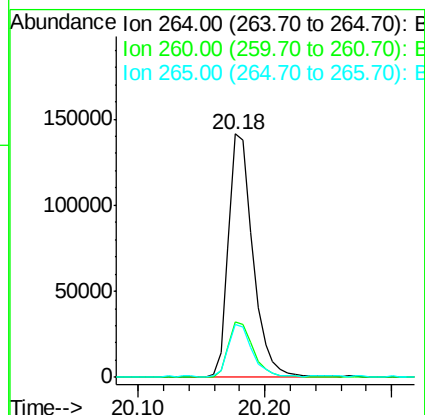
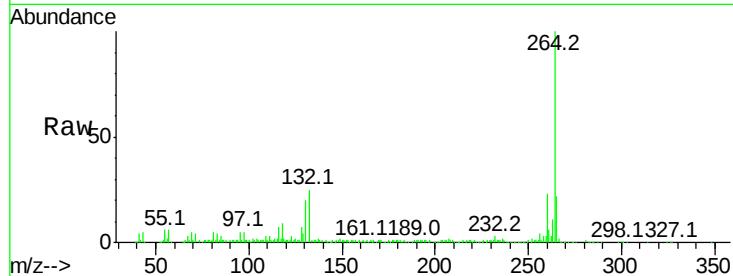
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 189375 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.8  | 19.5  | 29.3   |
| 265       | 21.9  | 17.2  | 25.8   |

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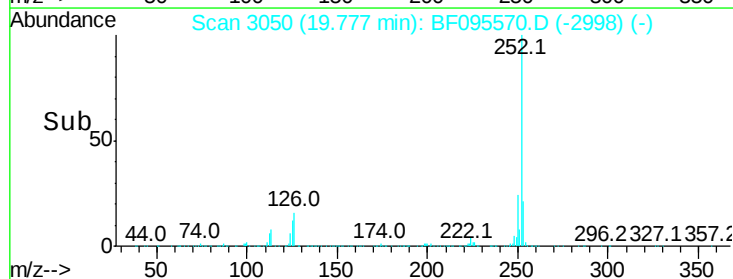
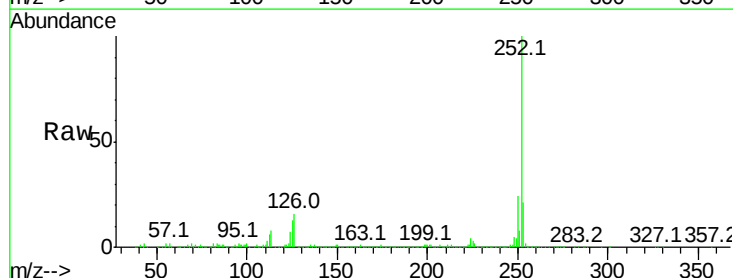
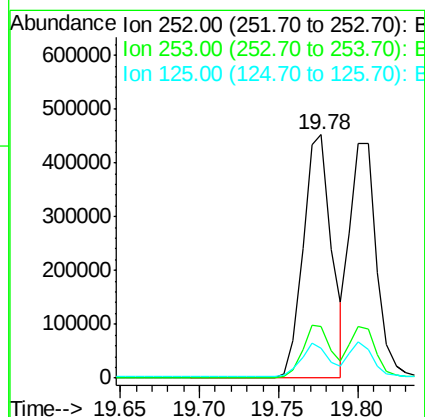
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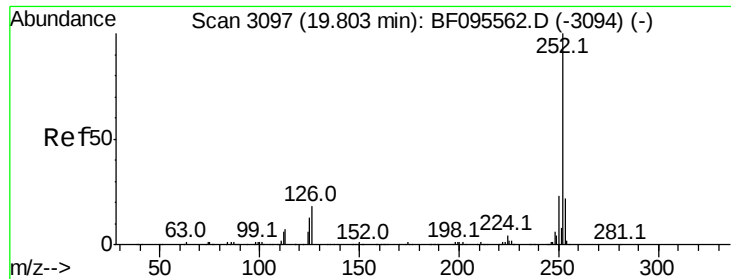
6/1/2017 2:20:01 PM



#87  
Benzo(b)fluoranthene  
Concen: 47.92 ng  
RT: 19.78 min Scan# 3050  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 560796 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.1  | 18.1  | 27.1   |
| 125       | 12.5  | 9.8   | 14.8   |





#88  
Benzo(k)fluoranthene  
Concen: 45.13 ng  
RT: 19.80 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

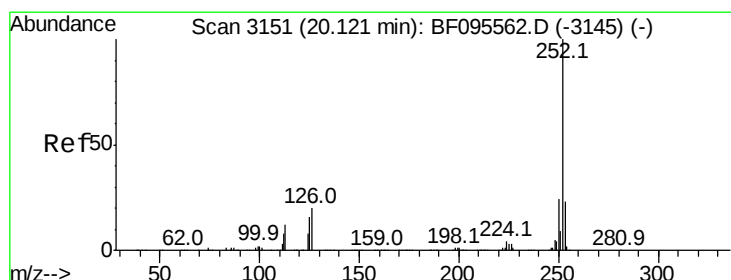
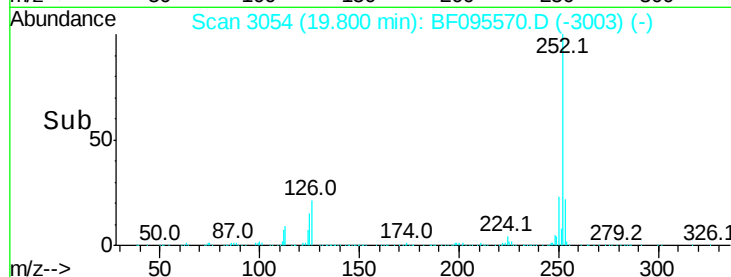
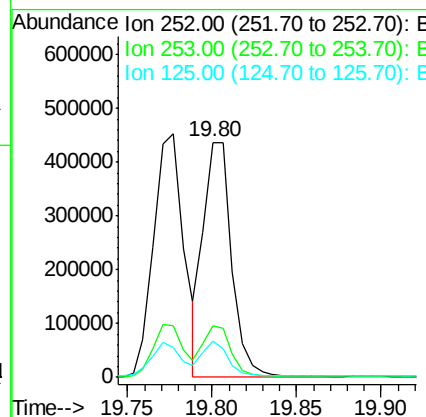
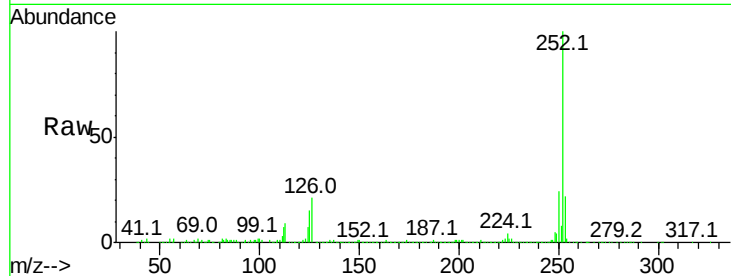
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.4  | 27.6  |
| 125     | 15.2  | 13.1  | 19.7  |

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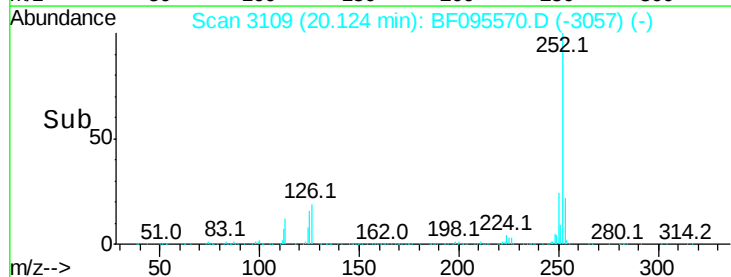
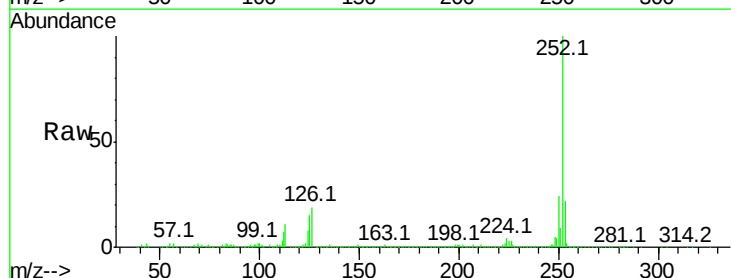
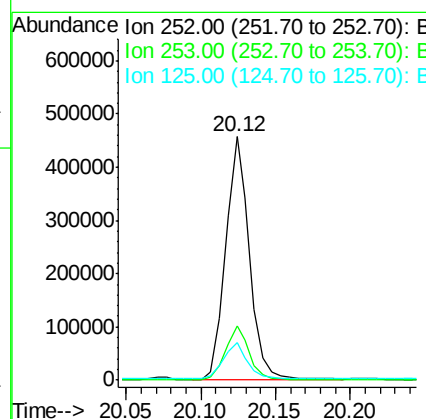
mohammad

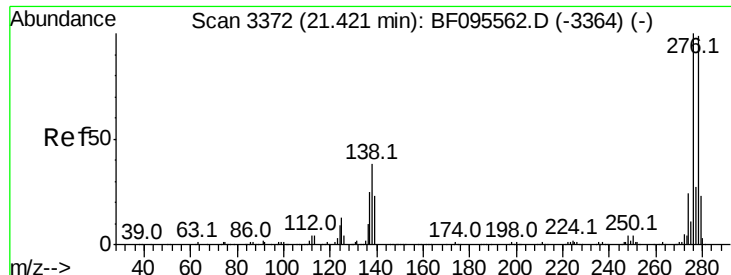
6/1/2017 2:20:01 PM



#89  
Benzo(a)pyrene  
Concen: 47.31 ng  
RT: 20.12 min Scan# 3109  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.5  | 26.3  |
| 125     | 15.3  | 11.0  | 16.4  |





#90  
Dibenzo(a,h)anthracene  
Concen: 54.64 ng  
RT: 21.42 min Scan# 3330  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

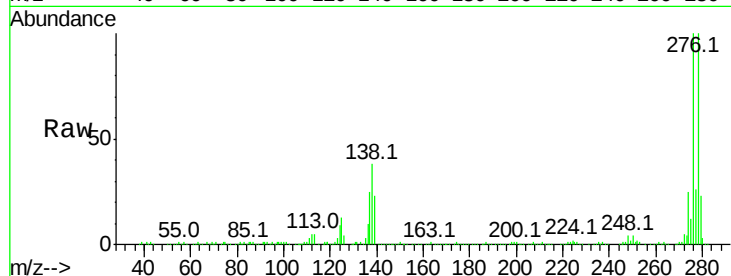
Instrument :  
BNA\_F  
ClientSampleId :  
B-7(3-7)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 278   | Resp: | 487260 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 23.4  | 16.6  | 24.8   |
| 279       | 23.4  | 19.3  | 28.9   |

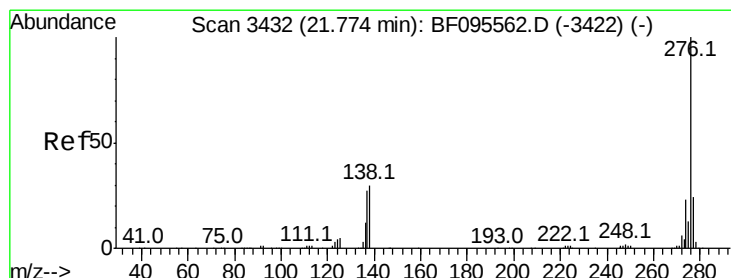
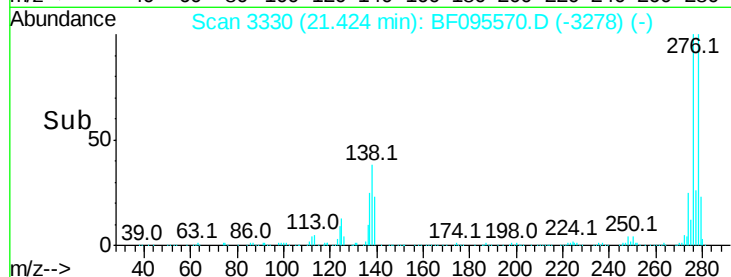
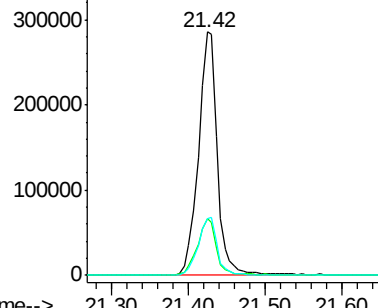
Manual Integrations  
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mohammad

6/1/2017 2:20:01 PM

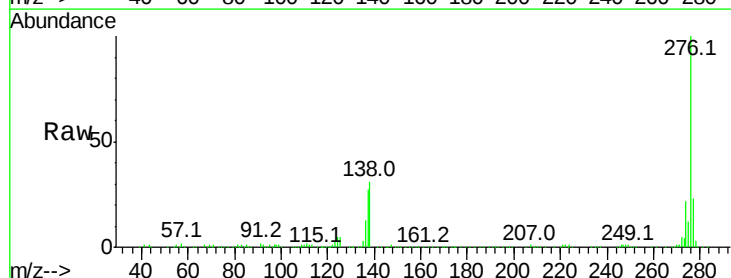


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 59.22 ng  
RT: 21.78 min Scan# 3390  
Delta R.T. 0.00 min  
Lab File: BF095570.D  
Acq: 31 May 2017 18:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 518239 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 22.9  | 18.6  | 28.0   |
| 138       | 30.6  | 25.4  | 38.0   |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

