

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\  
 Data File : BF095085.D  
 Acq On : 11 May 2017 17:59  
 Operator : SJ/MA  
 Sample : PB98865BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

Manual Integrations  
 APPROVED

mohammad  
 5/12/2017 3:36:00 PM

Quant Time: May 11 18:50:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 11 16:33:45 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 94973    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 9.72  | 136  | 422671   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 12.55 | 164  | 194775   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 14.95 | 188  | 357416   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 18.63 | 240  | 305386   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 20.29 | 264  | 219324   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 641194  | 112.56 | ng | 0.01 |
| 7) Phenol-d6             | 7.26  | 99  | 788167  | 115.31 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.61  | 82  | 499196  | 74.48  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.85 | 330 | 196450  | 123.15 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 11.50 | 172 | 1043443 | 77.11  | ng | 0.00 |
| 78) Terphenyl-d14        | 17.28 | 244 | 954068  | 68.81  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.12  | 88  | 88178  | 31.56 | ng | 97     |
| 3) Pyridine                    | 2.80  | 79  | 182509 | 28.19 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 2.72  | 42  | 91708  | 33.98 | ng | 91     |
| 6) Aniline                     | 7.21  | 93  | 167001 | 19.35 | ng | 97     |
| 8) 2-Chlorophenol              | 7.40  | 128 | 250245 | 38.60 | ng | 94     |
| 9) Benzaldehyde                | 7.07  | 77  | 21095  | 5.05  | ng | 94     |
| 10) Phenol                     | 7.27  | 94  | 260661 | 36.19 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 7.34  | 93  | 211690 | 35.60 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.61  | 146 | 260374 | 35.40 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146 | 271506 | 36.40 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 7.97  | 146 | 262079 | 37.64 | ng | 97     |
| 15) Benzyl Alcohol             | 8.00  | 79  | 197383 | 44.90 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 308463 | 36.65 | ng | 95     |
| 17) 2-Methylphenol             | 8.21  | 107 | 214161 | 40.36 | ng | 96     |
| 18) Hexachloroethane           | 8.48  | 117 | 95192  | 37.67 | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 8.42  | 70  | 185920 | 40.22 | ng | # 93   |
| 20) 3+4-Methylphenols          | 8.47  | 107 | 284896 | 39.51 | ng | # 56   |
| 22) Acetophenone               | 8.38  | 105 | 368533 | 36.34 | ng | # 84   |
| 24) Nitrobenzene               | 8.64  | 77  | 258334 | 36.77 | ng | 95     |
| 25) Isophorone                 | 9.04  | 82  | 466632 | 38.99 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.14  | 139 | 147840 | 39.00 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.28  | 122 | 238869 | 38.97 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.41  | 93  | 299160 | 36.13 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 9.58  | 162 | 219178 | 37.87 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 9.65  | 180 | 224146 | 36.15 | ng | 99     |
| 31) Naphthalene                | 9.76  | 128 | 762956 | 35.92 | ng | 99     |
| 32) Benzoic acid               | 9.61  | 122 | 115064 | 30.65 | ng | 92     |
| 33) 4-Chloroaniline            | 9.94  | 127 | 53130  | 6.71  | ng | 93     |
| 34) Hexachlorobutadiene        | 9.98  | 225 | 113182 | 34.60 | ng | 98     |
| 35) Caprolactam                | 10.52 | 113 | 61985m | 35.67 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 10.76 | 107 | 249681 | 40.35 | ng | # 87   |
| 37) 2-Methylnaphthalene        | 10.88 | 142 | 545024 | 39.09 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.16 | 216 | 216010 | 36.06 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 11.14 | 237 | 171996 | 69.19 | ng | 98     |

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Manual Integrations  
 APPROVED

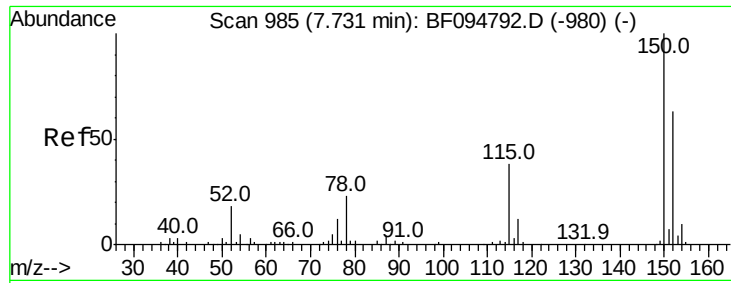
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 5/12/2017 3:36:00 PM

Quant Time: May 11 18:50:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.38 | 196  | 153978   | 38.50 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 11.48 | 196  | 153394   | 35.69 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 11.65 | 154  | 612608   | 37.36 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 11.67 | 162  | 486759   | 36.76 | nq    | 95       |
| 47) 2-Nitroaniline             | 11.88 | 65   | 133343   | 36.79 | nq    | # 86     |
| 48) Acenaphthylene             | 12.32 | 152  | 790089   | 38.09 | nq    | 99       |
| 49) Dimethylphthalate          | 12.20 | 163  | 587590   | 36.75 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 12.29 | 165  | 131347   | 40.26 | nq    | # 91     |
| 51) Acenaphthene               | 12.61 | 154  | 454120   | 36.66 | nq    | 99       |
| 52) 3-Nitroaniline             | 12.58 | 138  | 48018    | 13.71 | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 12.77 | 184  | 112783   | 64.12 | nq    | # 65     |
| 54) Dibenzofuran               | 12.90 | 168  | 706594   | 41.22 | nq    | 98       |
| 55) 4-Nitrophenol              | 12.96 | 139  | 155072   | 73.74 | nq    | # 69     |
| 56) 2,4-Dinitrotoluene         | 12.96 | 165  | 179240   | 42.76 | nq    | # 89     |
| 57) Fluorene                   | 13.45 | 166  | 580348   | 38.93 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 13.14 | 232  | 124917   | 46.18 | nq    | # 93     |
| 59) Diethylphthalate           | 13.35 | 149  | 577787   | 37.70 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 13.47 | 204  | 257547   | 39.31 | nq    | 93       |
| 61) 4-Nitroaniline             | 13.57 | 138  | 126600   | 39.39 | nq    | 95       |
| 62) Azobenzene                 | 13.73 | 77   | 535050   | 43.45 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 13.62 | 198  | 82636    | 34.49 | nq    | # 65     |
| 65) n-Nitrosodiphenylamine     | 13.68 | 169  | 485902   | 37.46 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 14.26 | 248  | 145331   | 38.49 | nq    | 98       |
| 67) Hexachlorobenzene          | 14.34 | 284  | 146099   | 37.75 | nq    | # 89     |
| 68) Atrazine                   | 14.61 | 200  | 137231   | 37.47 | nq    | 99       |
| 69) Pentachlorophenol          | 14.70 | 266  | 106798   | 62.43 | nq    | 98       |
| 70) Phenanthrene               | 14.99 | 178  | 789901   | 38.46 | nq    | 98       |
| 71) Anthracene                 | 15.08 | 178  | 831791   | 39.65 | nq    | 98       |
| 72) Carbazole                  | 15.36 | 167  | 766368   | 40.15 | nq    | 98       |
| 73) Di-n-butylphthalate        | 15.92 | 149  | 962584   | 40.44 | nq    | 99       |
| 74) Fluoranthene               | 16.74 | 202  | 825532   | 39.19 | nq    | 99       |
| 76) Benzidine                  | 16.96 | 184  | 259066   | 33.65 | nq    | # 92     |
| 77) Pyrene                     | 17.04 | 202  | 856616   | 37.51 | nq    | 99       |
| 79) Butylbenzylphthalate       | 17.94 | 149  | 388187   | 36.54 | nq    | # 86     |
| 80) Benzo(a)anthracene         | 18.62 | 228  | 674831   | 37.97 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 18.60 | 252  | 125112   | 20.38 | nq    | # 95     |
| 82) Chrysene                   | 18.66 | 228  | 635963   | 37.01 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.69 | 149  | 561019   | 37.06 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 19.45 | 149  | 925024   | 37.28 | nq    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.58 | 276  | 481337   | 34.49 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 19.89 | 252  | 559269   | 41.27 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 19.92 | 252  | 578155   | 44.23 | nq    | # 94     |
| 89) Benzo(a)pyrene             | 20.24 | 252  | 531223   | 42.48 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 21.59 | 278  | 402479   | 38.97 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 21.96 | 276  | 397722   | 39.24 | nq    | 96       |

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





#1

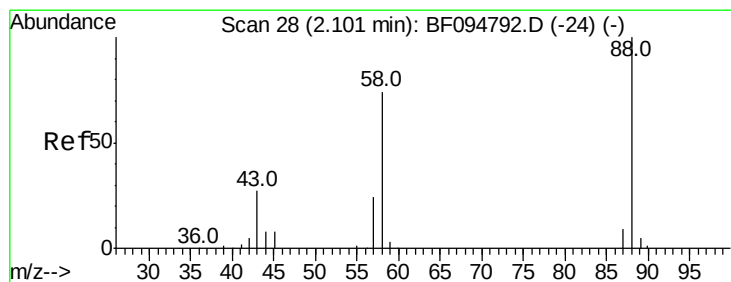
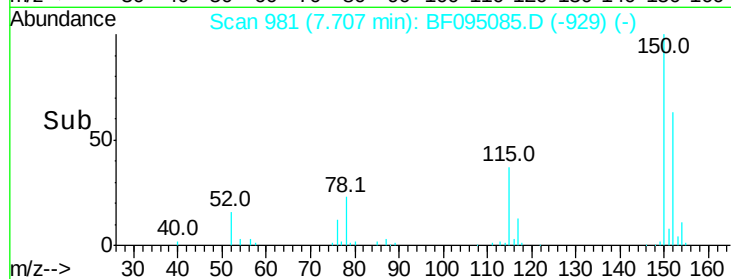
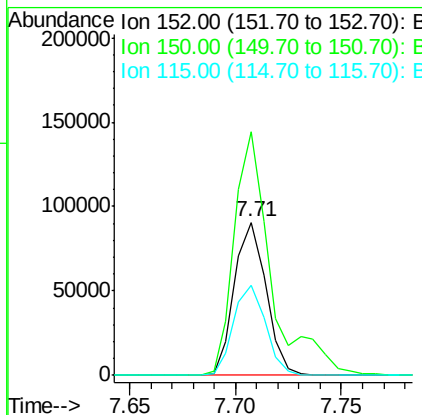
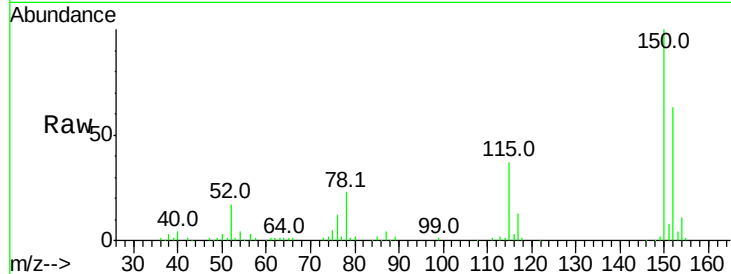
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 981  
Delta R.T. 0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
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PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 126.2 | 189.2 |
| 115     | 59.1  | 52.2  | 78.2  |

Manual Integrations  
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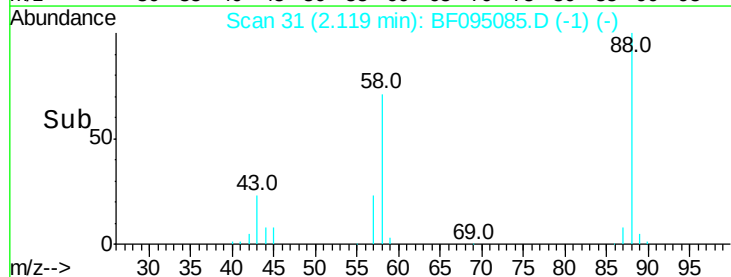
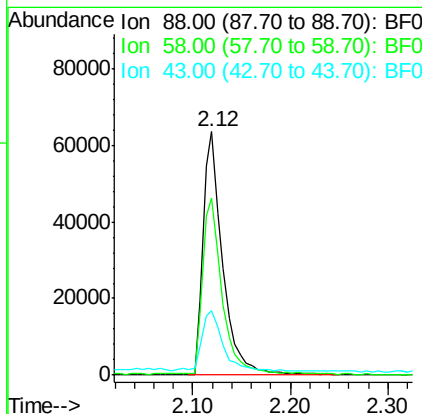
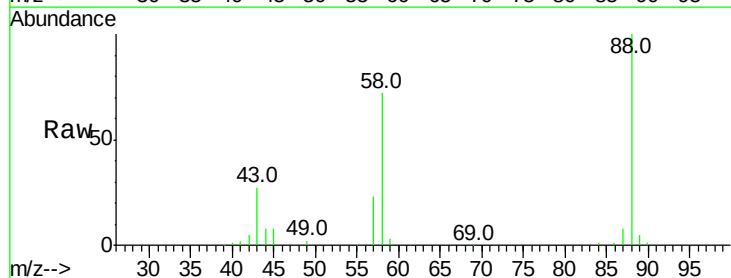
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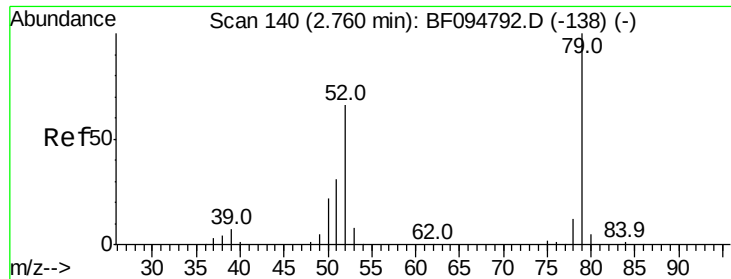


#2

1,4-Dioxane  
Concen: 31.56 ng  
RT: 2.12 min Scan# 31  
Delta R.T. 0.06 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 74.7  | 61.4  | 92.0  |
| 43      | 26.9  | 23.4  | 35.0  |





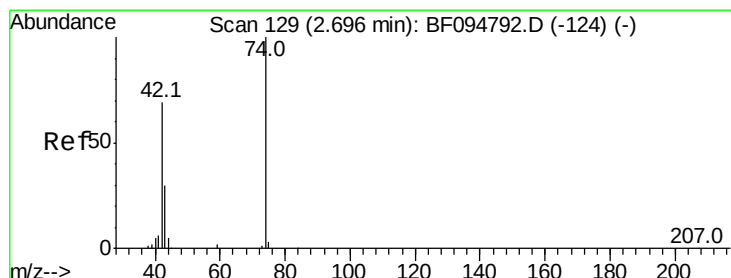
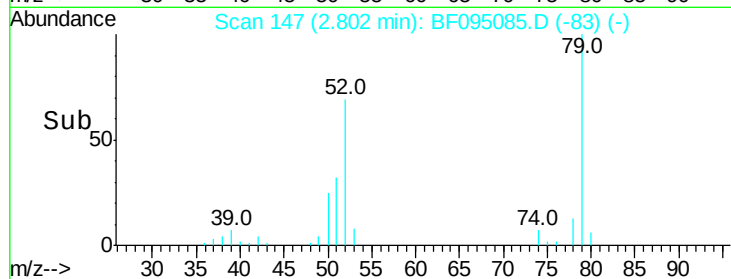
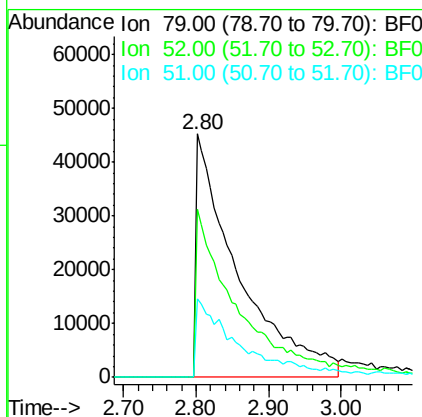
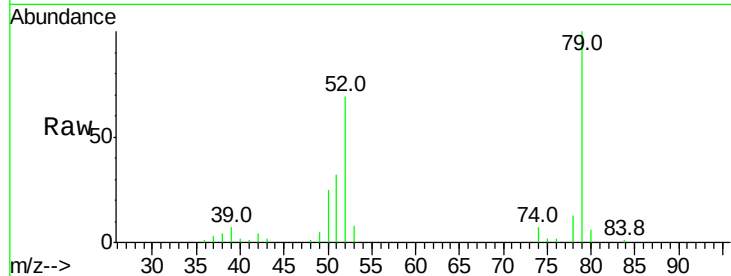
#3  
 Pvridine  
 Concen: 28.19 ng  
 RT: 2.80 min Scan# 147  
 Delta R.T. 0.08 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 68.9  | 54.8  | 82.2  |
| 51      | 32.1  | 27.0  | 40.4  |

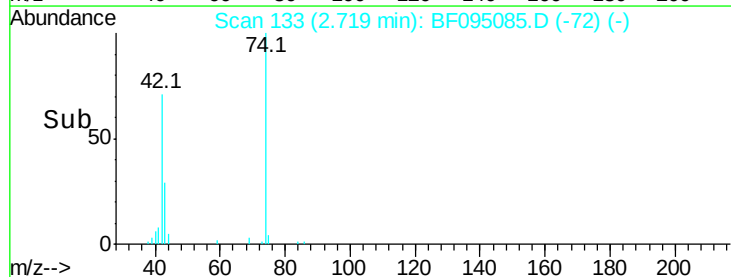
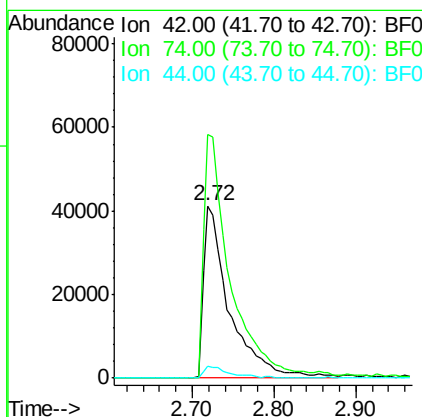
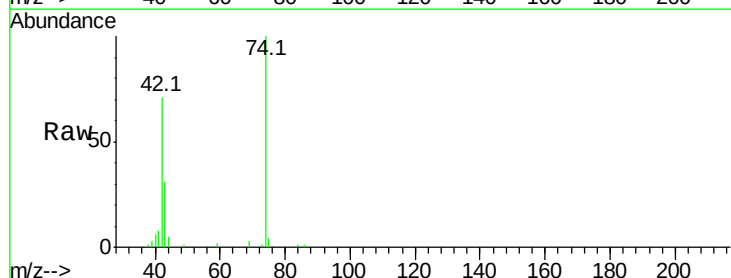
Manual Integrations  
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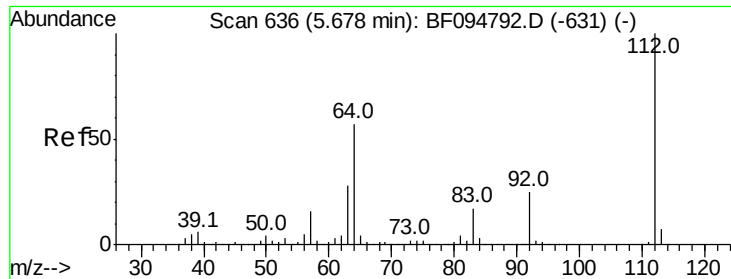
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#4  
 n-Nitrosodimethylamine  
 Concen: 33.98 ng  
 RT: 2.72 min Scan# 133  
 Delta R.T. 0.06 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 141.2 | 103.9 | 155.9 |
| 44      | 6.6   | 5.7   | 8.5   |





#5

2-Fluorophenol

Concen: 112.56 ng

RT: 5.66 min Scan# 633

Delta R.T. 0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

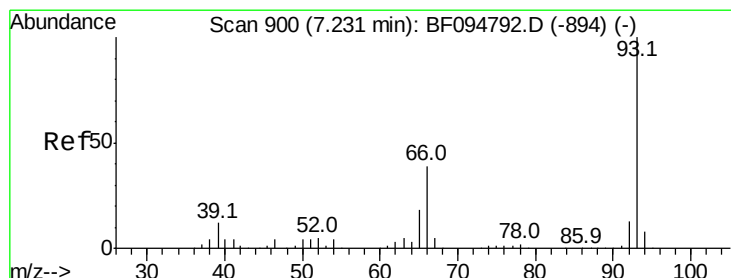
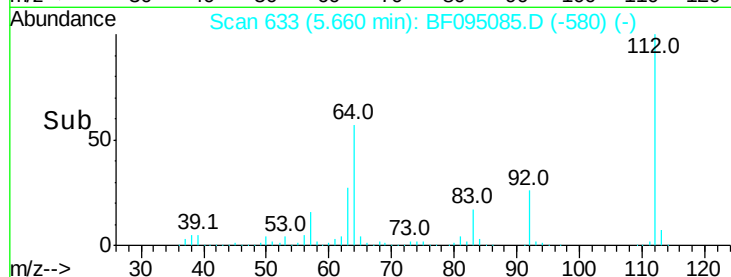
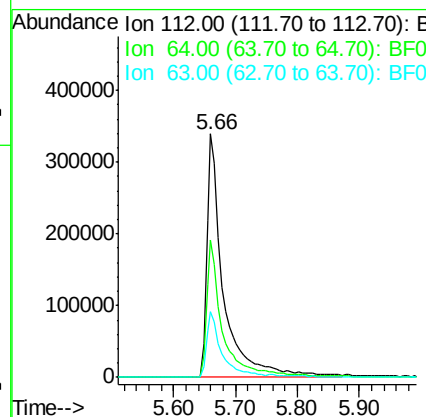
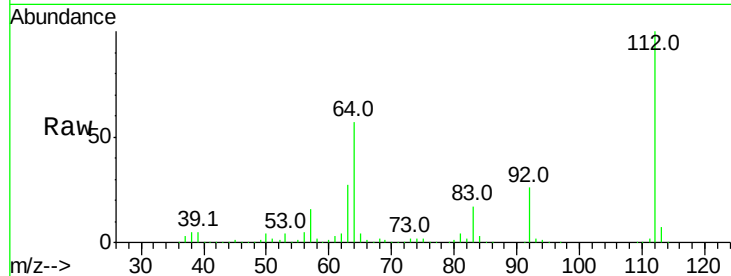
ClientSampleId :

PB98865BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 112  | Resp: | 641194 |
| Ion Ratio |      | Lower | Upper  |
| 112       | 100  |       |        |
| 64        | 56.6 | 46.0  | 69.0   |
| 63        | 26.9 | 23.4  | 35.0   |

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#6

Aniline

Concen: 19.35 ng

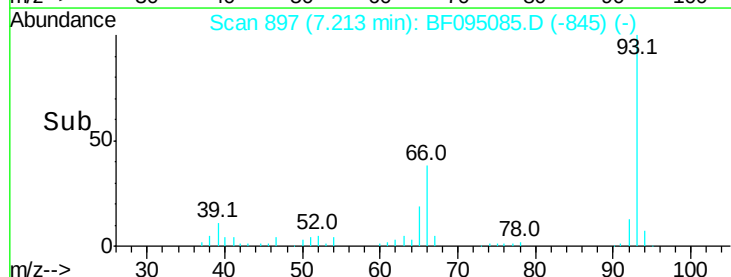
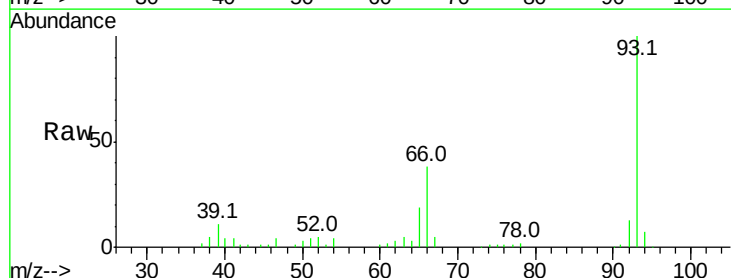
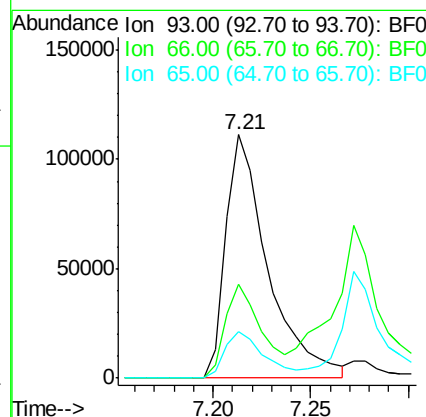
RT: 7.21 min Scan# 897

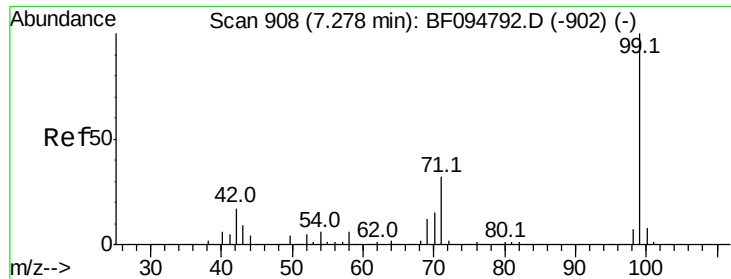
Delta R.T. 0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 93   | Resp: | 167001 |
| Ion Ratio |      | Lower | Upper  |
| 93        | 100  |       |        |
| 66        | 38.5 | 32.9  | 49.3   |
| 65        | 19.3 | 16.0  | 24.0   |





#7

Phenol-d6

Concen: 115.31 ng

RT: 7.26 min Scan# 905

Delta R.T. 0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

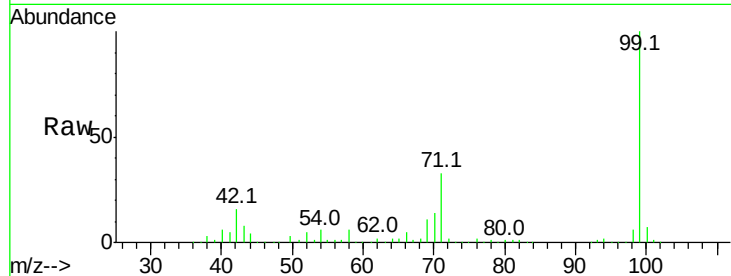
ClientSampleId :

PB98865BS

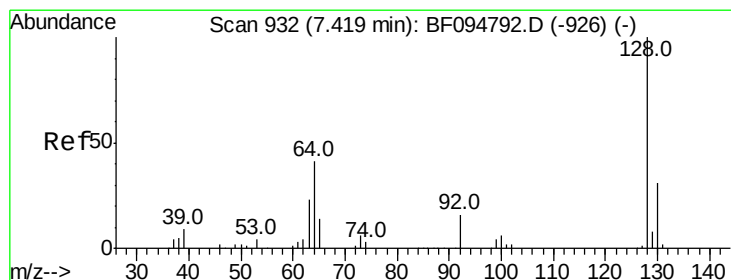
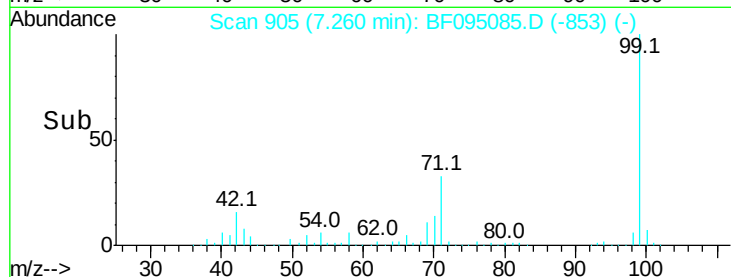
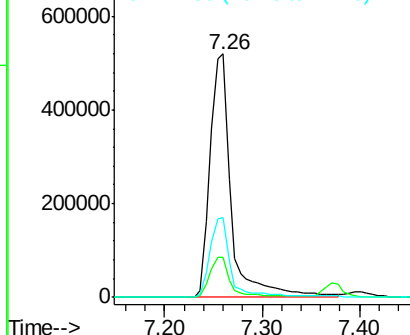
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 788167 |       |       |
| 42      | 16.3  |        | 13.5  | 20.3  |
| 71      | 32.6  |        | 24.5  | 36.7  |

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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: 38.60 ng

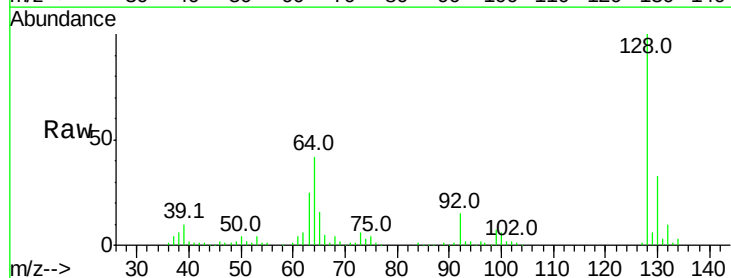
RT: 7.40 min Scan# 929

Delta R.T. 0.01 min

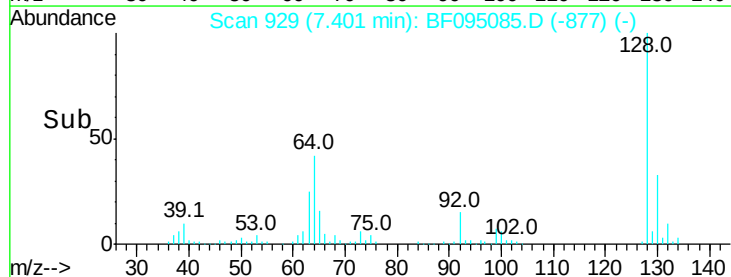
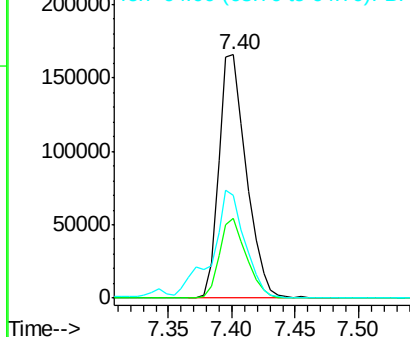
Lab File: BF095085.D

Acq: 11 May 2017 17:59

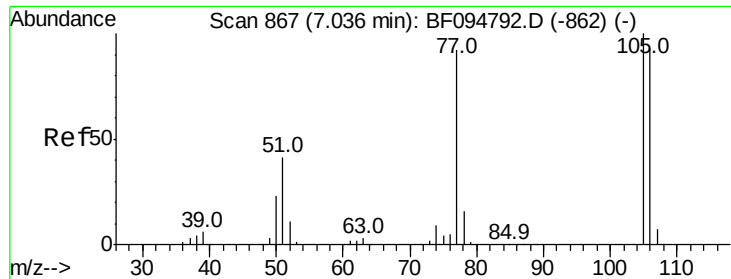
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 250245 |       |       |
| 130     | 32.7  |        | 12.9  | 52.9  |
| 64      | 42.0  |        | 28.4  | 68.4  |



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: 5.05 ng

RT: 7.07 min Scan# 872

Delta R.T. 0.05 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

ClientSampleId :

PB98865BS

Tot Ion: 77 Resp: 21095

Ion Ratio Lower Upper

77 100

105 100.4 83.8 123.8

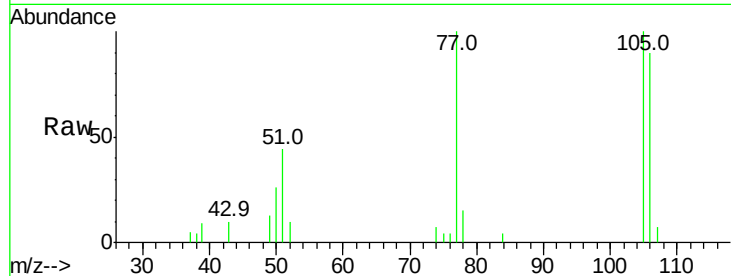
106 90.4 79.1 119.1

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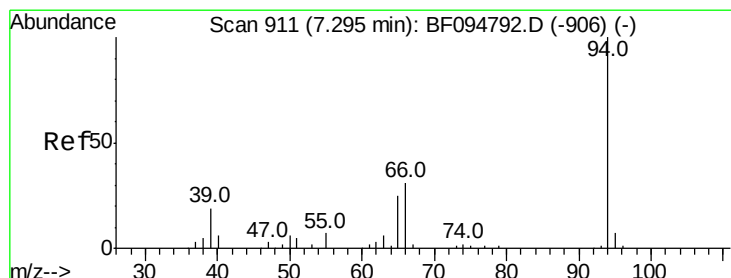
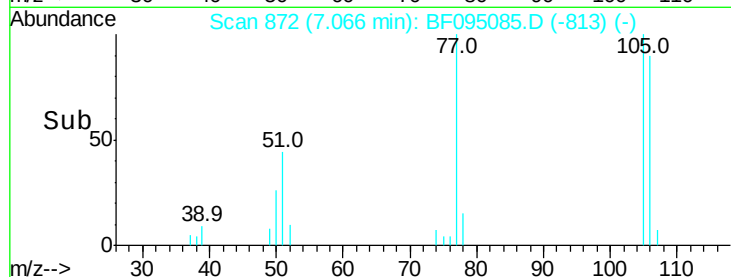
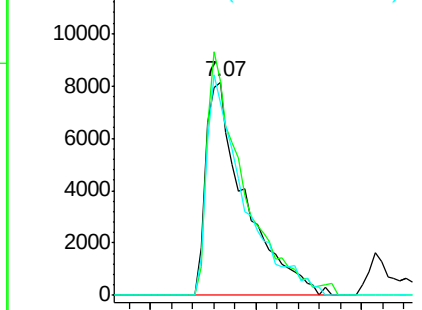
5/12/2017 3:36:00 PM



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: 36.19 ng

RT: 7.27 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

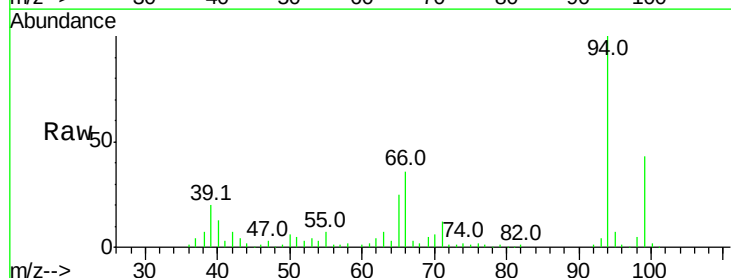
Tgt Ion: 94 Resp: 260661

Ion Ratio Lower Upper

94 100

65 25.4 9.9 49.9

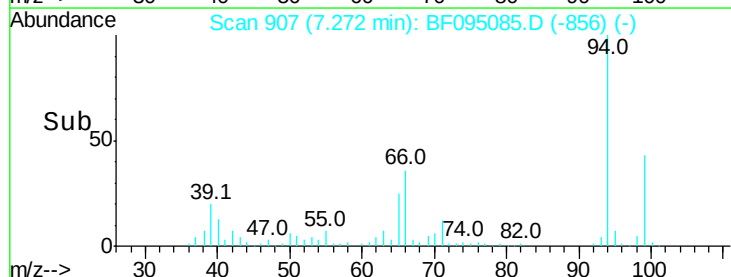
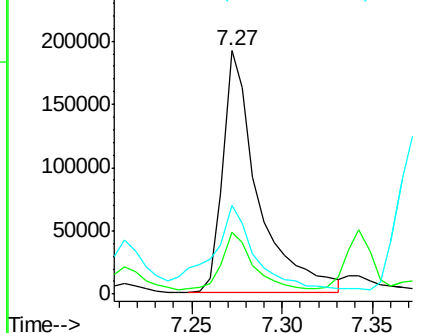
66 36.3 23.1 63.1



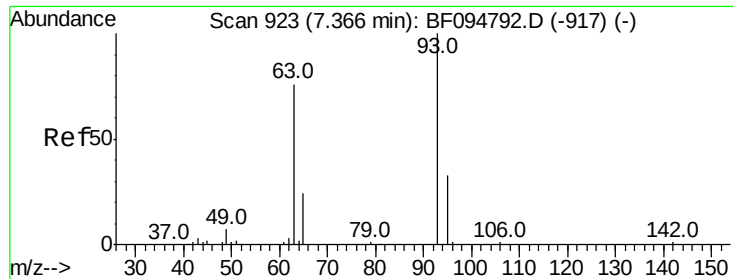
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0







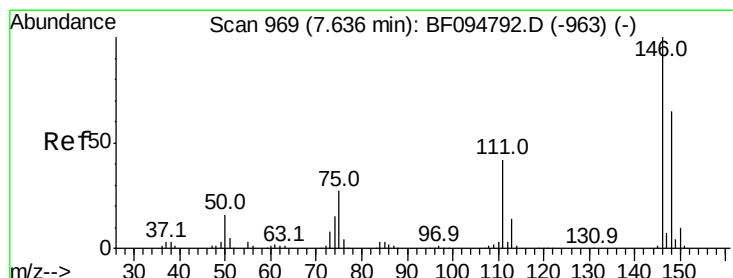
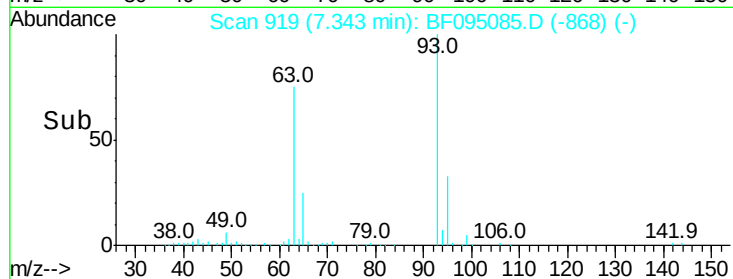
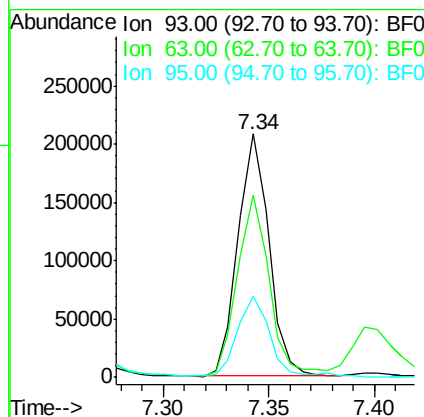
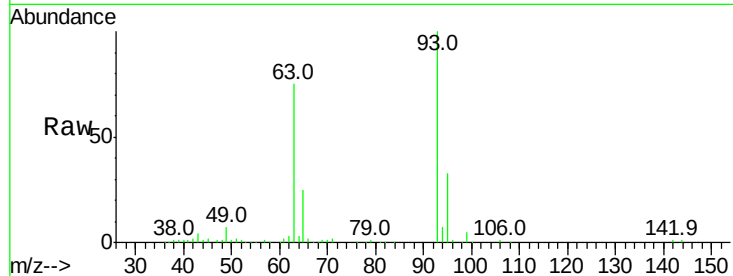
#11  
bis(2-Chloroethyl)ether  
Concen: 35.60 ng  
RT: 7.34 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion   | 93    | Resp  | 211690 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 75.1  | 59.2  | 99.2   |
| 95        | 33.1  | 12.8  | 52.8   |

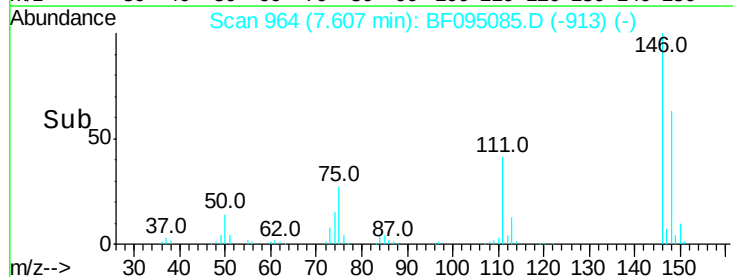
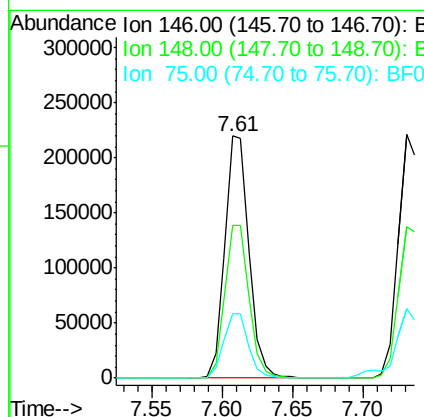
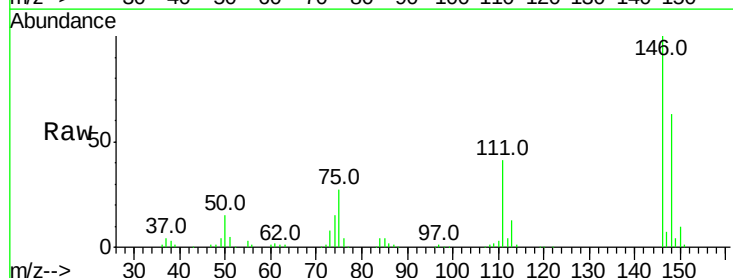
Manual Integrations  
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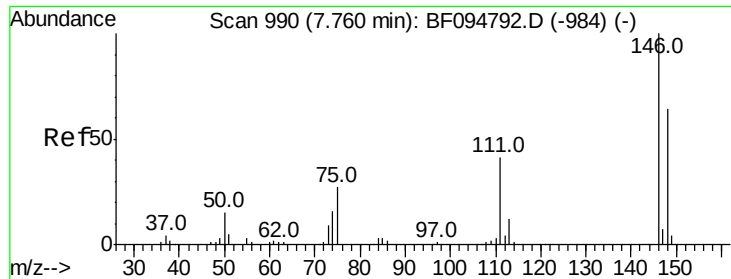
mohammad  
5/12/2017 3:36:00 PM



#12  
1,3-Dichlorobenzene  
Concen: 35.40 ng  
RT: 7.61 min Scan# 964  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion   | 146   | Resp  | 260374 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.9  | 51.8  | 77.6   |
| 75        | 26.9  | 23.1  | 34.7   |





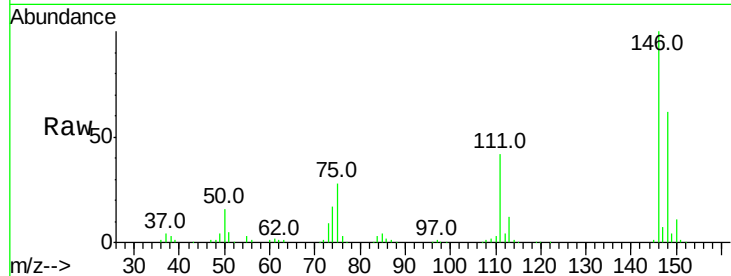
#13  
 1,4-Dichlorobenzene  
 Concen: 36.40 ng  
 RT: 7.73 min Scan# 985  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

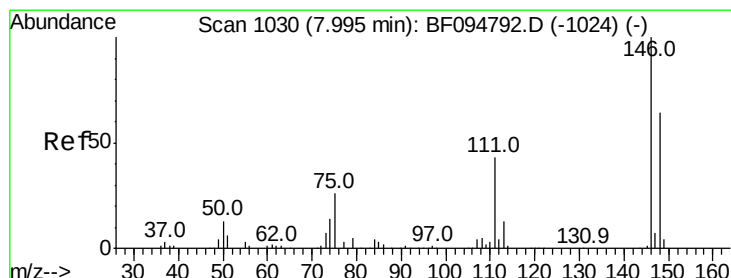
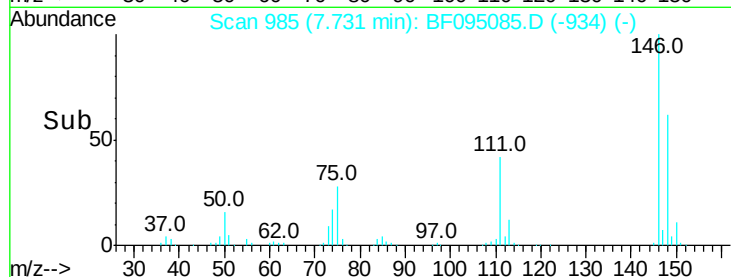
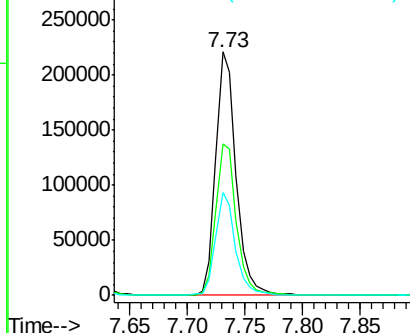
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.1  | 52.2  | 78.2  |
| 111     | 42.4  | 30.3  | 45.5  |

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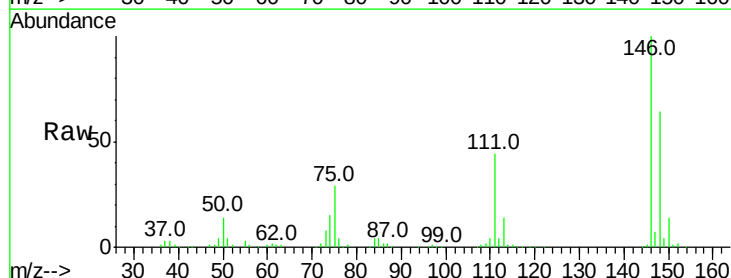


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

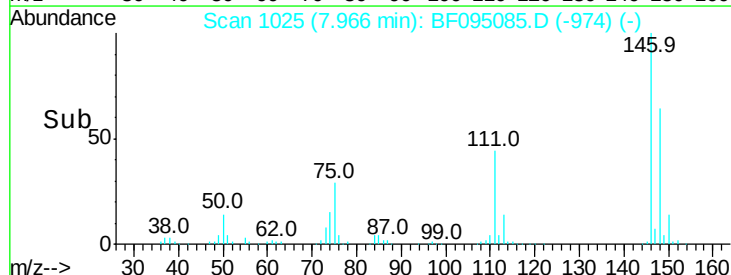
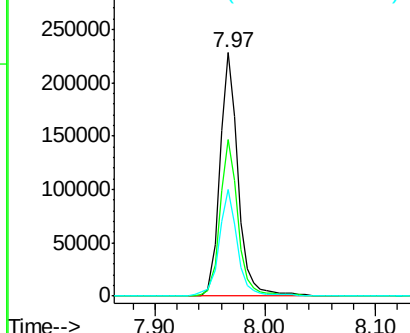


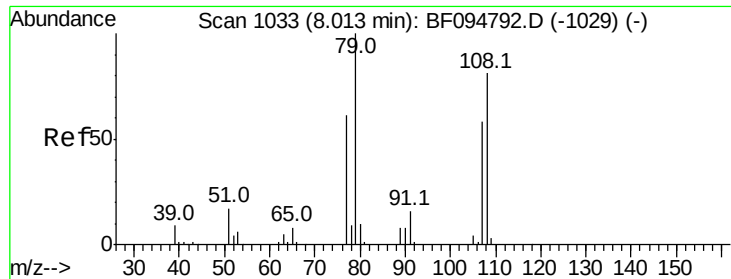
#14  
 1,2-Dichlorobenzene  
 Concen: 37.64 ng  
 RT: 7.97 min Scan# 1025  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 50.4  | 75.6  |
| 111     | 43.9  | 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





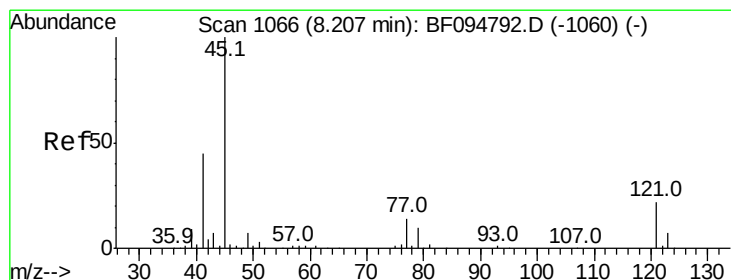
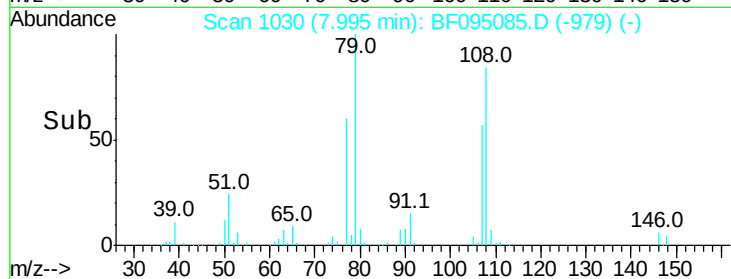
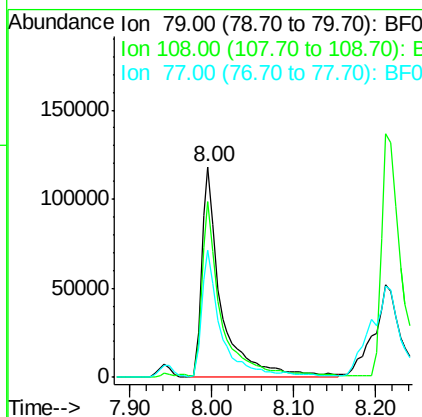
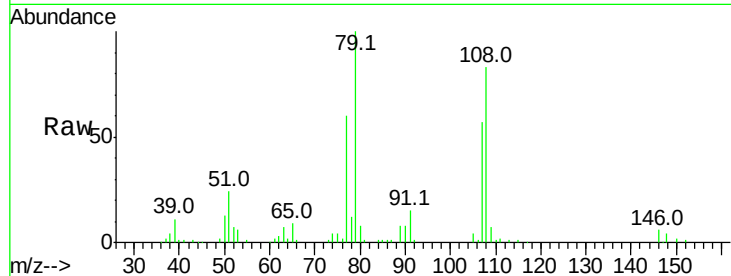
#15  
Benzyl Alcohol  
Concen: 44.90 ng  
RT: 8.00 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 83.3  | 63.4  | 95.0  |
| 77      | 60.3  | 49.2  | 73.8  |

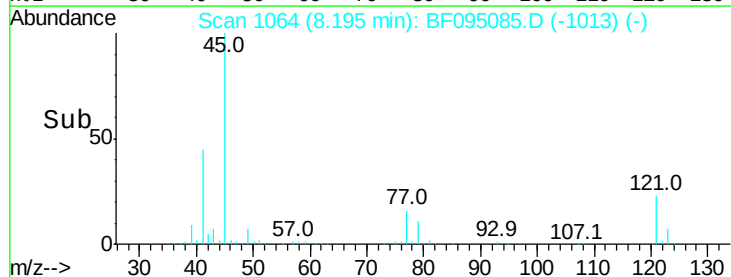
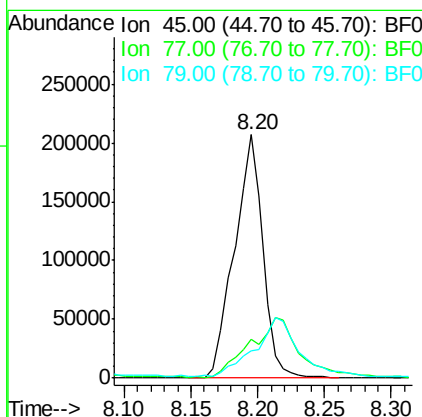
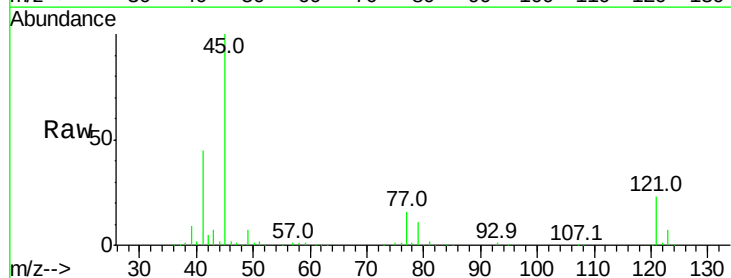
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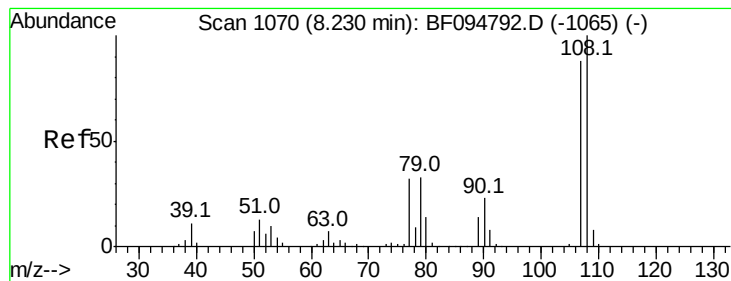
mohammad  
5/12/2017 3:36:00 PM



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 36.65 ng  
RT: 8.20 min Scan# 1064  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.9  | 0.0   | 33.2  |
| 79      | 11.2  | 0.0   | 30.0  |





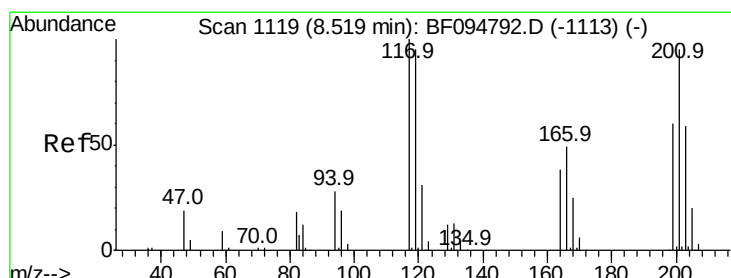
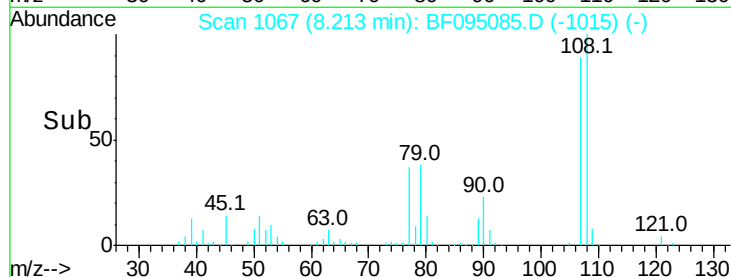
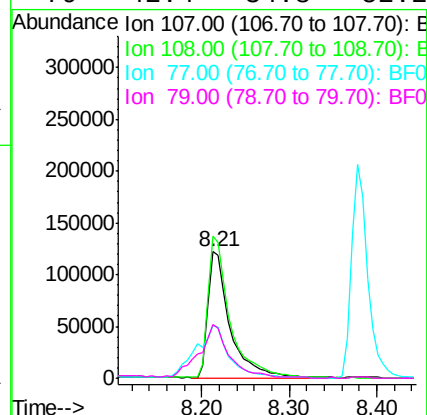
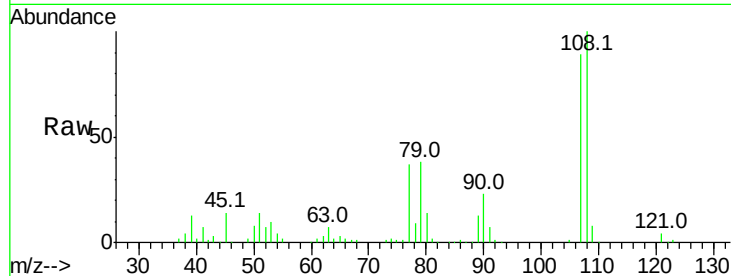
#17  
2-Methylphenol  
Concen: 40.36 ng  
RT: 8.21 min Scan# 1067  
Delta R.T. 0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion   | 107   | Resp  | 214161 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.1 | 93.4  | 140.0  |
| 77        | 41.9  | 35.8  | 53.6   |
| 79        | 42.4  | 34.8  | 52.2   |

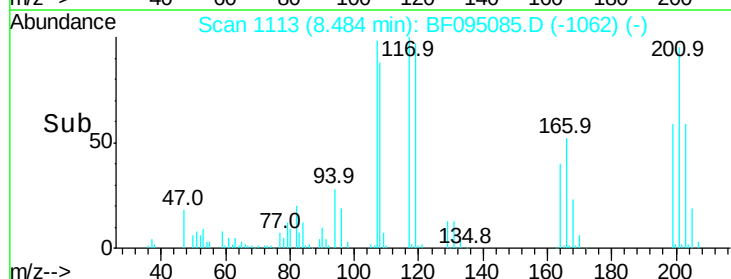
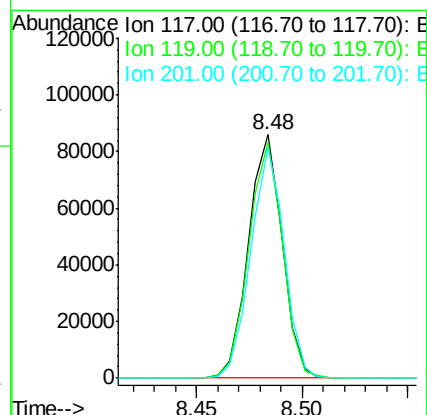
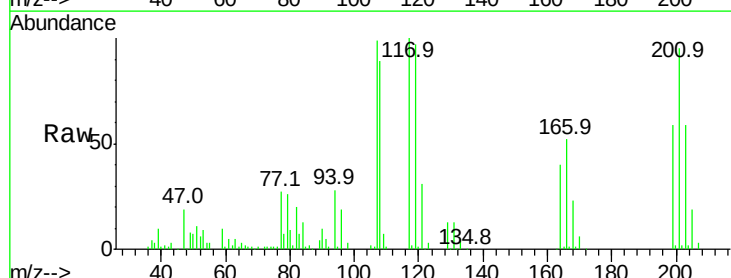
Manual Integrations  
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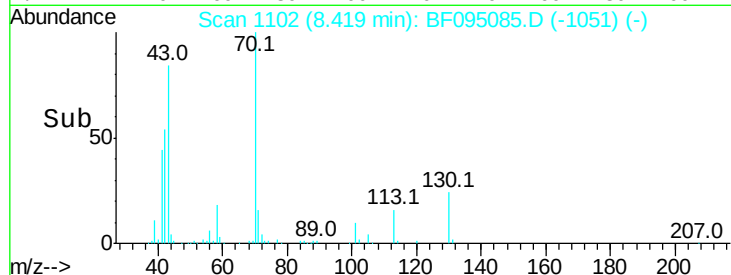
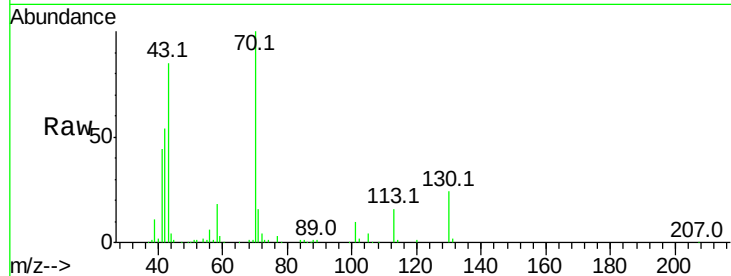
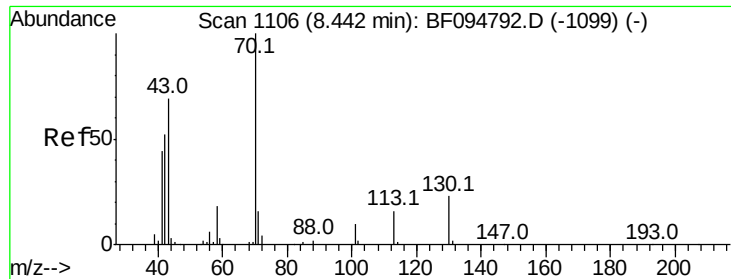
mohammad  
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#18  
Hexachloroethane  
Concen: 37.67 ng  
RT: 8.48 min Scan# 1113  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion   | 117   | Resp  | 95192 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 96.8  | 77.4  | 116.0 |
| 201       | 94.8  | 94.6  | 141.8 |





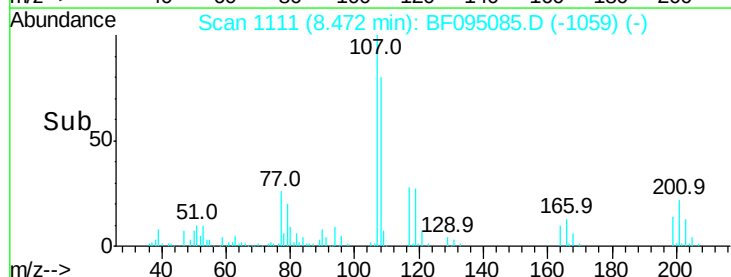
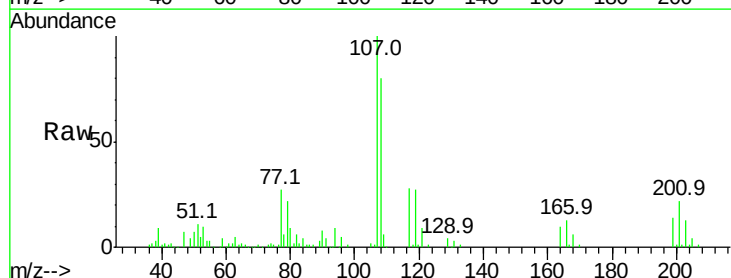
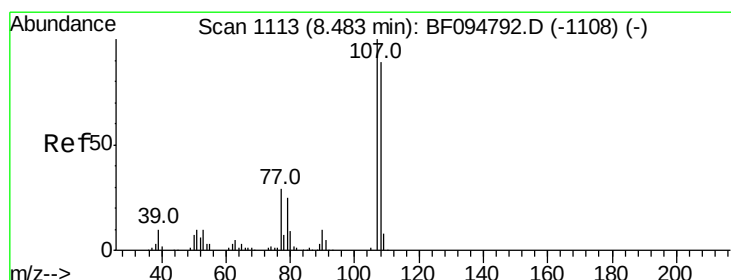
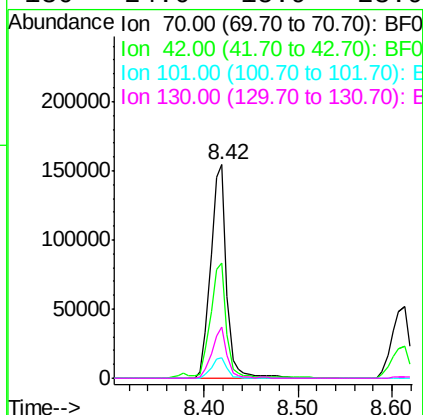
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.22 ng  
RT: 8.42 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.9  | 47.2  | 70.8  |
| 101     | 9.7   | 7.2   | 10.8  |
| 130     | 24.0  | 15.9  | 23.9# |

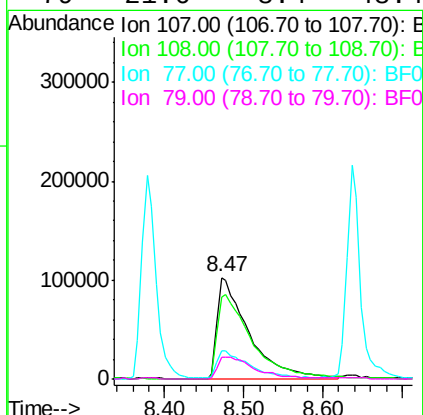
Manual Integrations  
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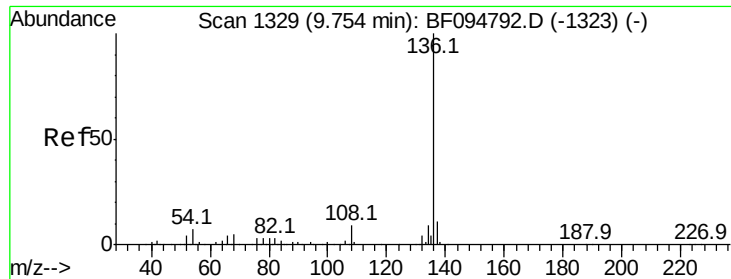
mohammad  
5/12/2017 3:36:00 PM



#20  
3+4-Methylphenols  
Concen: 39.51 ng  
RT: 8.47 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 80.5  | 71.0  | 111.0  |
| 77      | 27.4  | 90.5  | 130.5# |
| 79      | 21.6  | 8.4   | 48.4   |





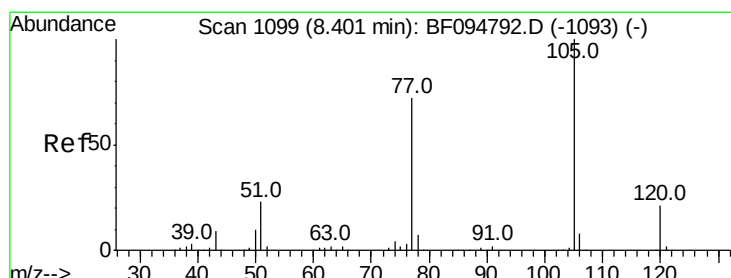
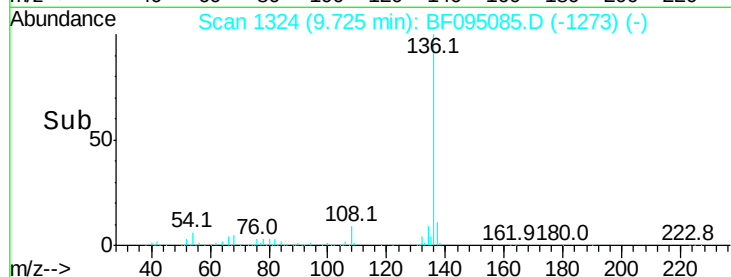
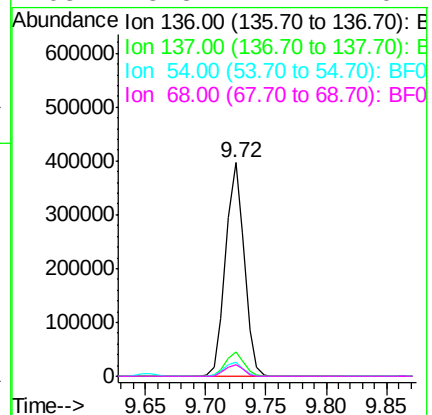
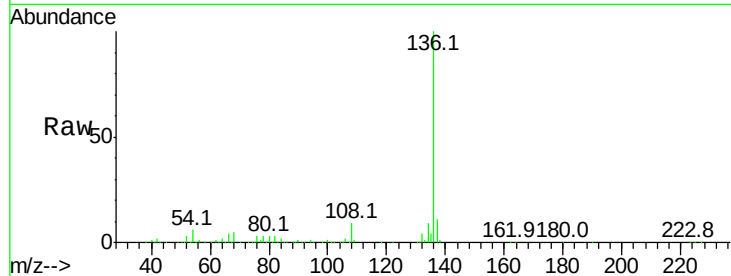
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.72 min Scan# 1324  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 422671 |       |       |
| 137     | 11.1  |        | 8.5   | 12.7  |
| 54      | 6.5   |        | 4.9   | 7.3   |
| 68      | 5.3   |        | 4.1   | 6.1   |

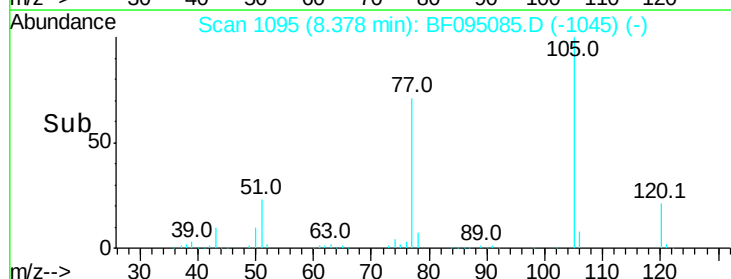
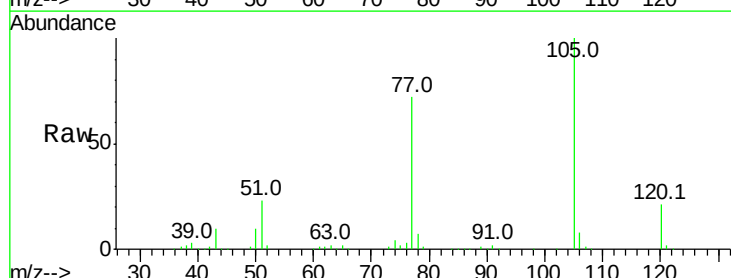
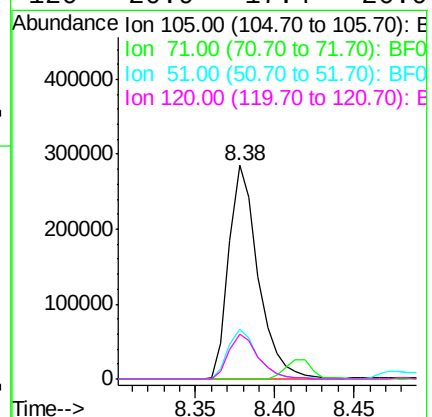
Manual Integrations  
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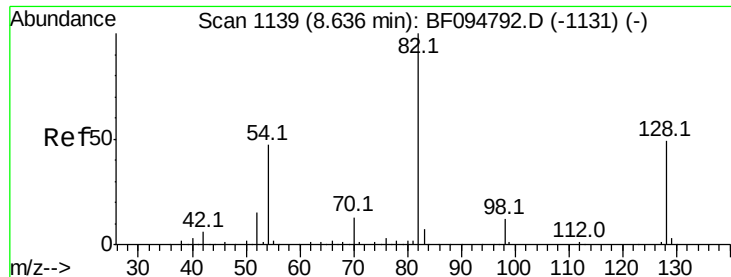
mohammad  
5/12/2017 3:36:00 PM



#22  
Acetophenone  
Concen: 36.34 ng  
RT: 8.38 min Scan# 1095  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 368533 |       |       |
| 71      | 0.0   |        | 2.8   | 4.2#  |
| 51      | 23.2  |        | 30.7  | 46.1# |
| 120     | 20.9  |        | 17.4  | 26.0  |





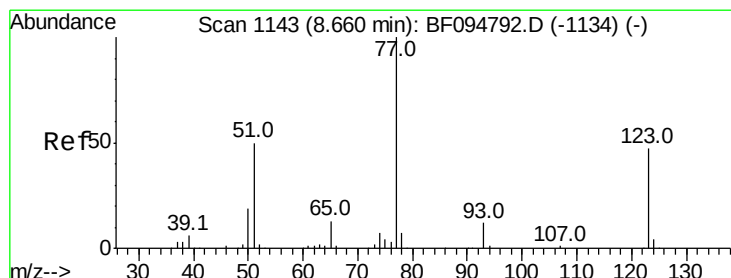
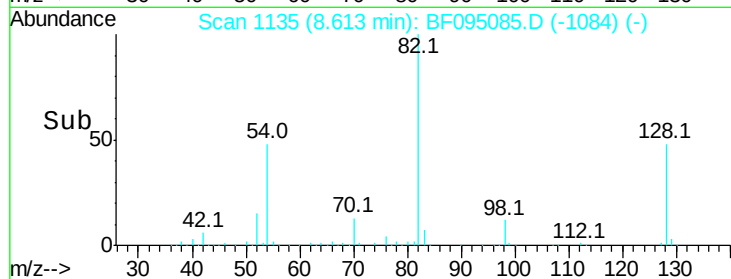
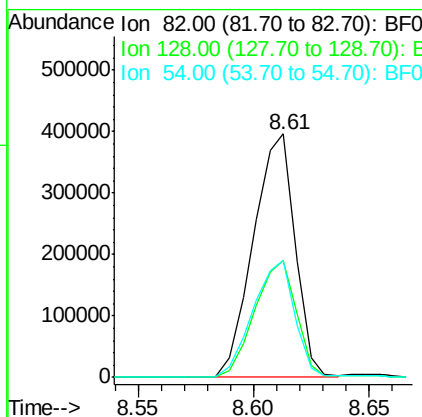
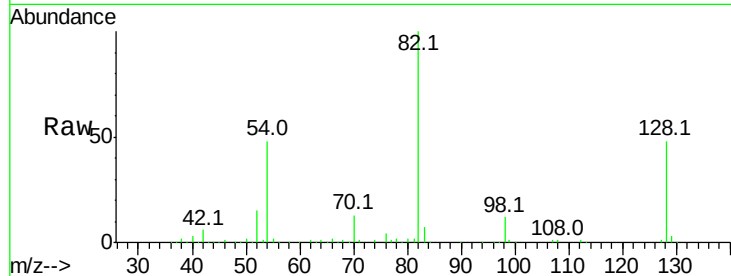
#23  
 Nitrobenzene-d5  
 Concen: 74.48 ng  
 RT: 8.61 min Scan# 1135  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 499196 |       |       |
| 128     | 48.2  | 34.0   | 51.0  |       |
| 54      | 47.9  | 42.2   | 63.2  |       |

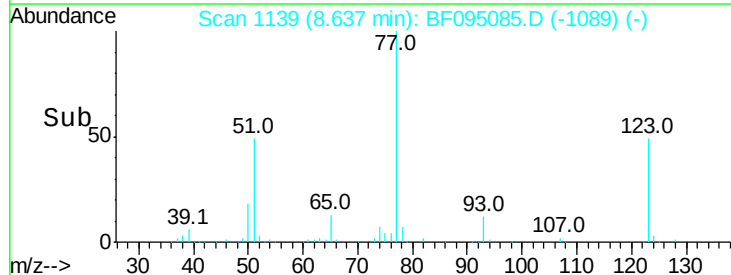
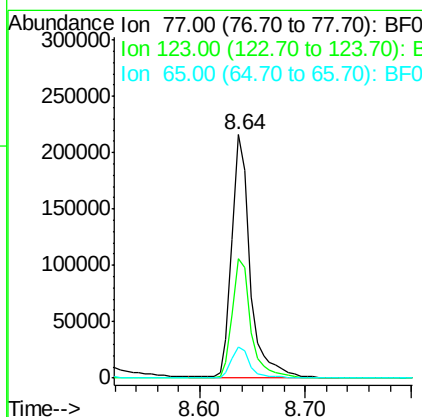
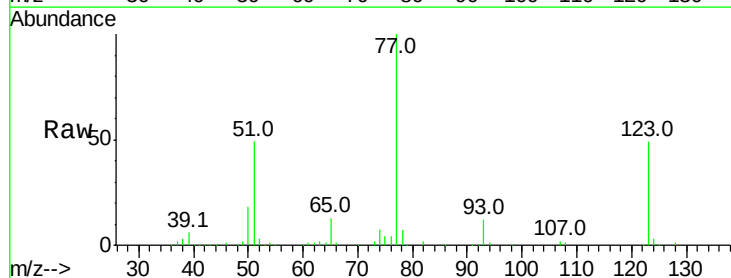
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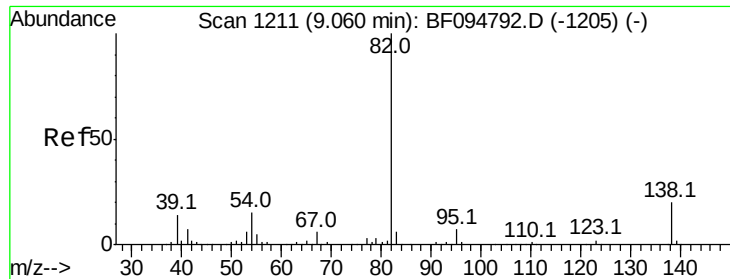


#24  
 Nitrobenzene  
 Concen: 36.77 ng  
 RT: 8.64 min Scan# 1139  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 258334 |       |       |
| 123     | 49.3  | 35.8   | 53.8  |       |
| 65      | 12.9  | 10.6   | 15.8  |       |







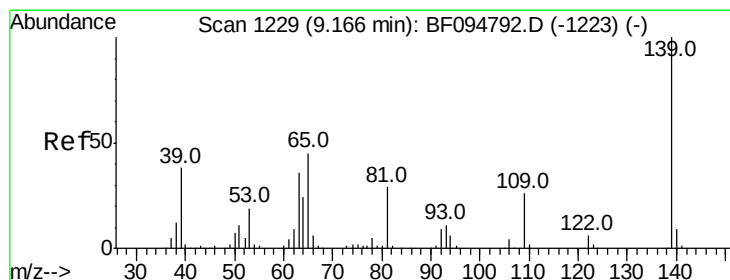
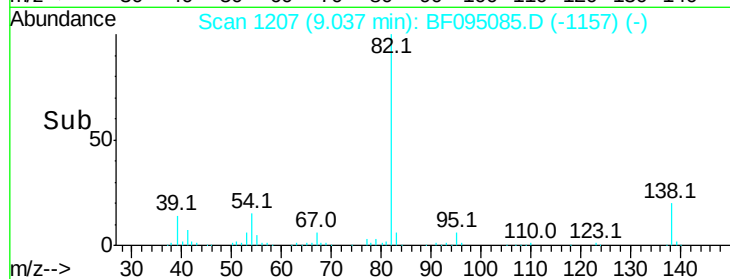
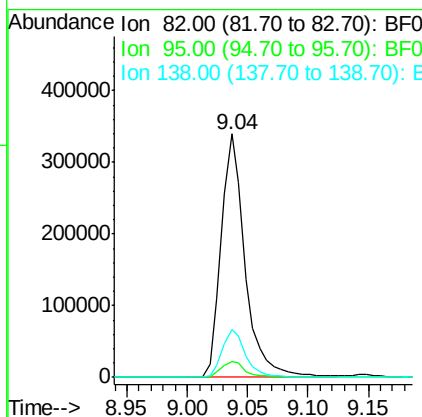
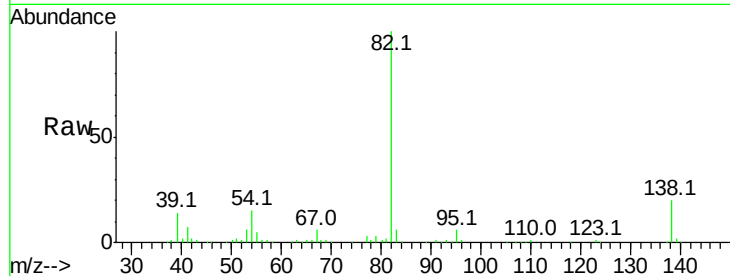
#25  
Isophorone  
Concen: 38.99 ng  
RT: 9.04 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 6.4   | 5.3  | 7.9   |       |
| 138     | 19.8  | 13.1 | 19.7  |       |

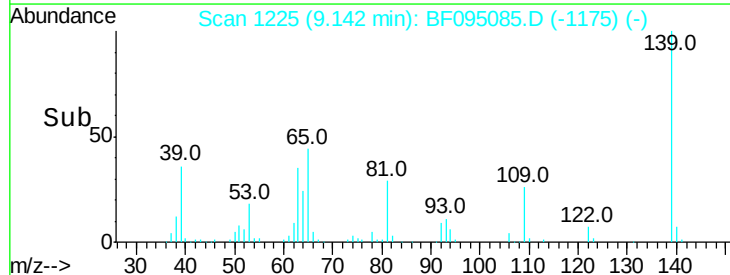
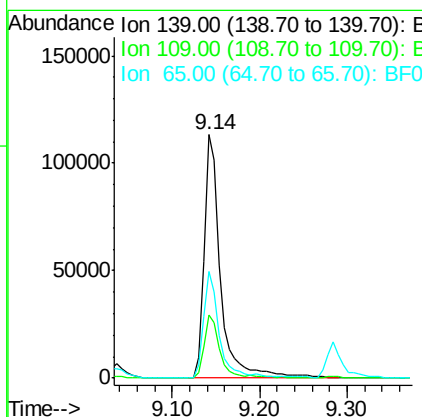
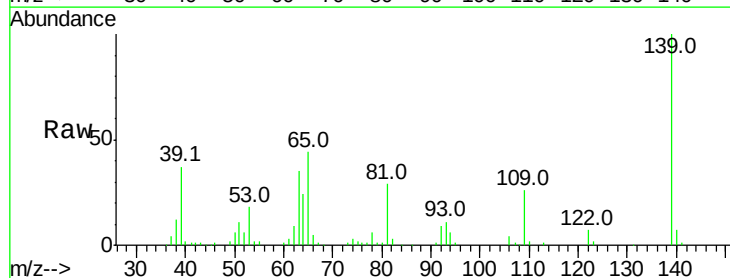
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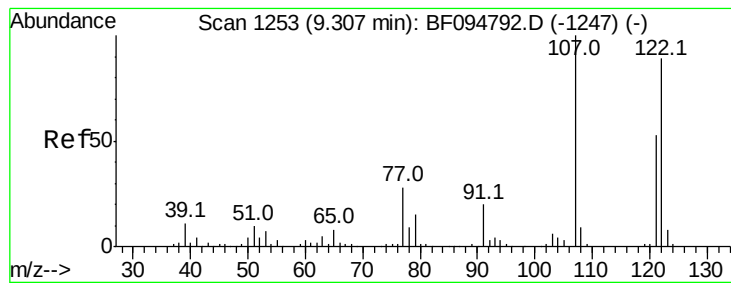
mohammad  
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#26  
2-Nitrophenol  
Concen: 39.00 ng  
RT: 9.14 min Scan# 1225  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 25.7  | 21.0 | 31.6  |       |
| 65      | 43.8  | 33.0 | 49.6  |       |





#27

2,4-Dimethylphenol

Concen: 38.97 ng

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

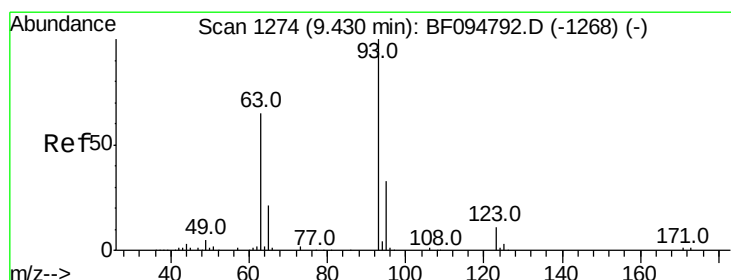
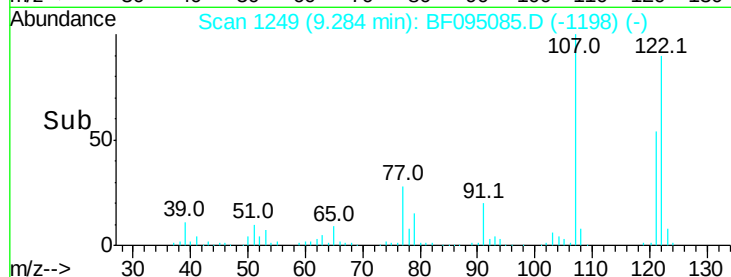
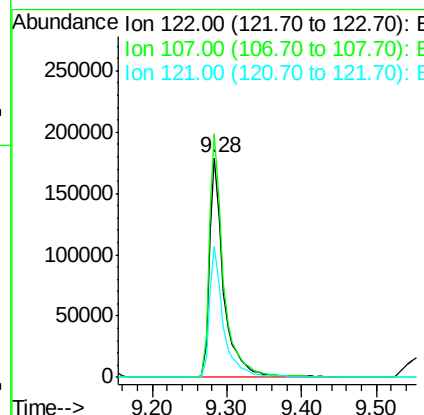
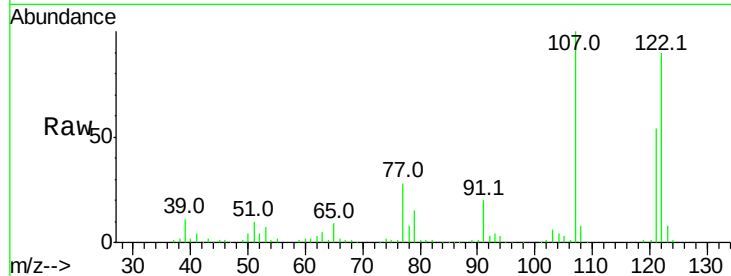
ClientSampled :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 238869 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 110.9 | 89.2  | 133.8  |
| 121       | 59.6  | 45.2  | 67.8   |

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#28

bis(2-Chloroethoxy)methane

Concen: 36.13 ng

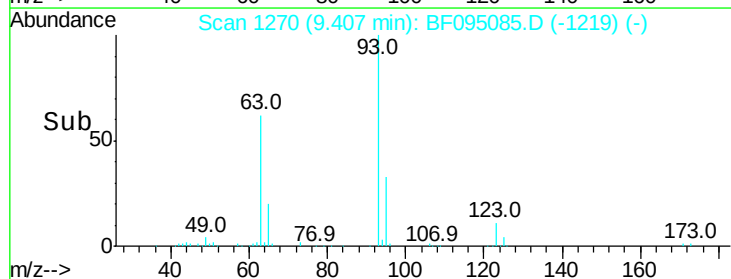
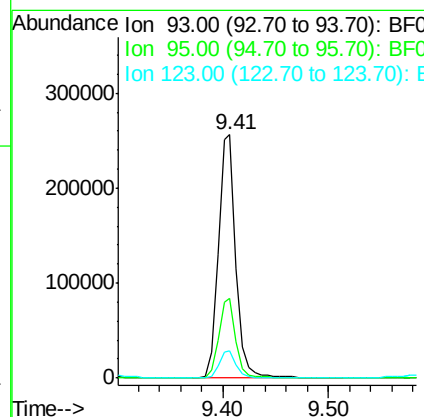
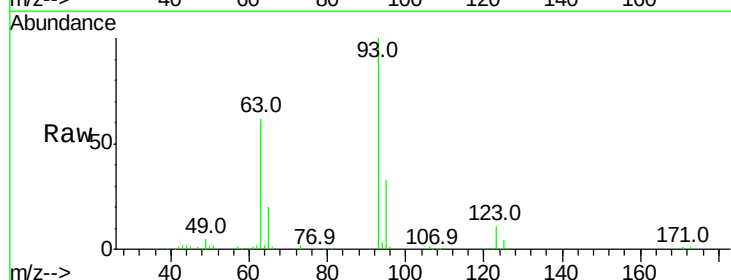
RT: 9.41 min Scan# 1270

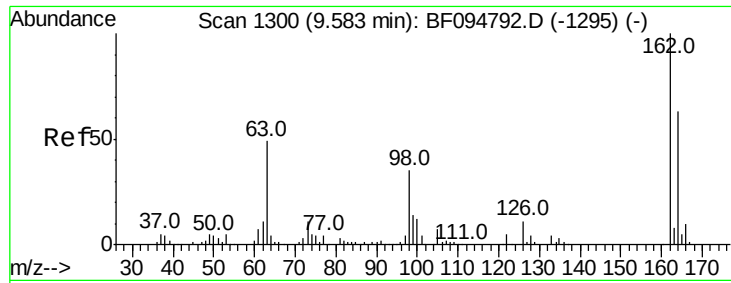
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 299160 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.9  | 26.5  | 39.7   |
| 123       | 11.4  | 9.0   | 13.4   |





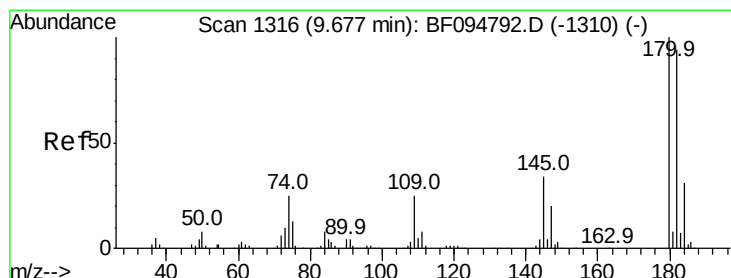
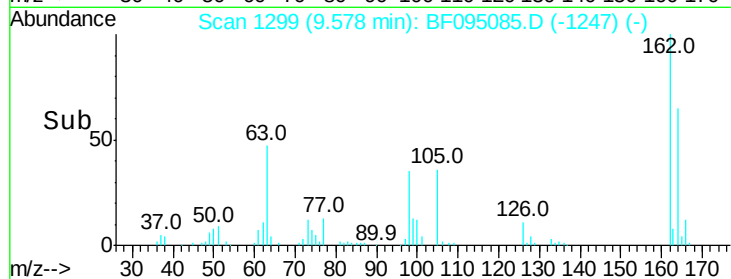
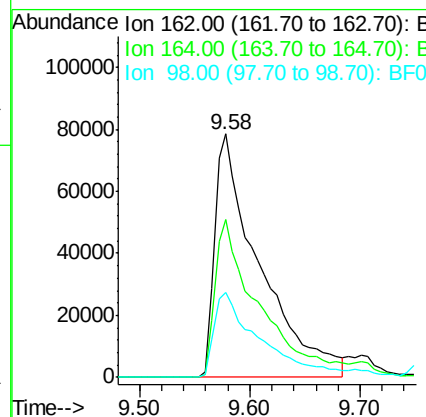
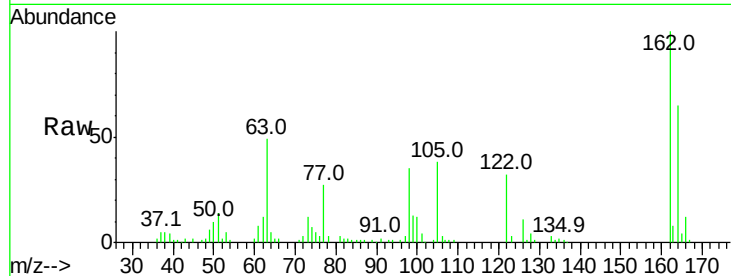
#29  
 2,4-Dichlorophenol  
 Concen: 37.87 ng  
 RT: 9.58 min Scan# 1299  
 Delta R.T. 0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 219178 |       |       |
| 164     | 64.8  | 44.6   | 84.6  |       |
| 98      | 35.1  | 14.8   | 54.8  |       |

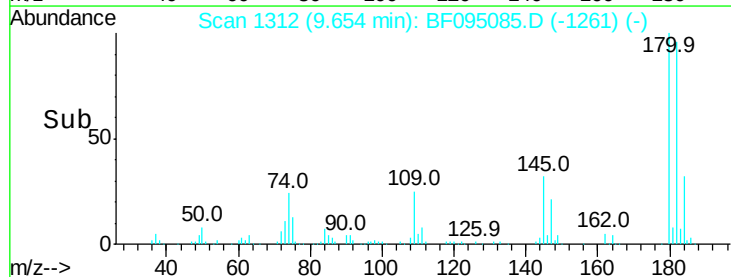
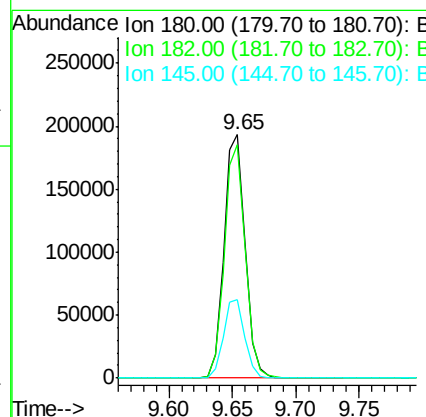
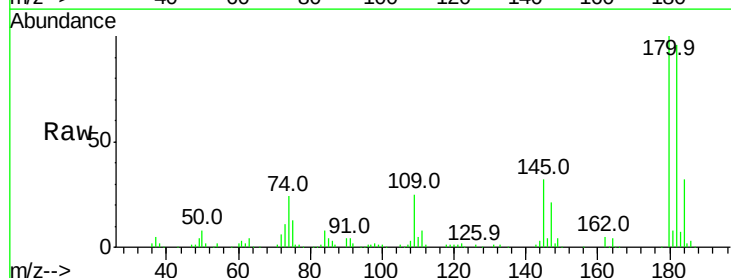
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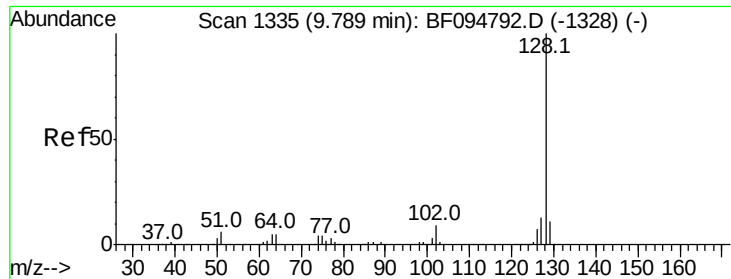
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.15 ng  
 RT: 9.65 min Scan# 1312  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 224146 |       |       |
| 182     | 96.1  | 75.8   | 113.6 |       |
| 145     | 32.2  | 25.3   | 37.9  |       |





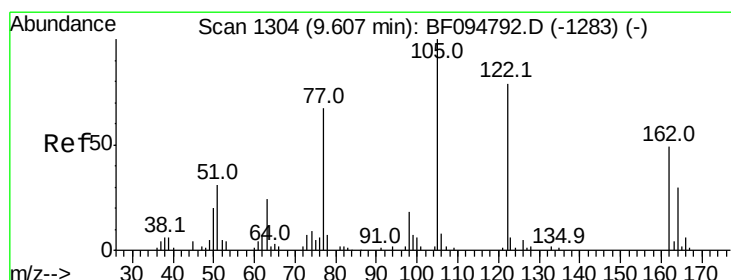
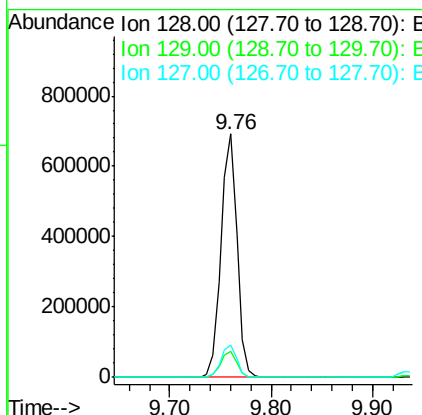
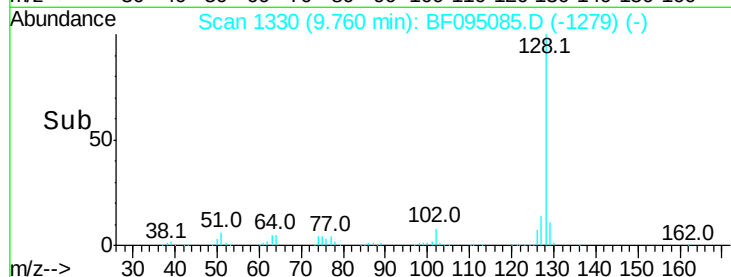
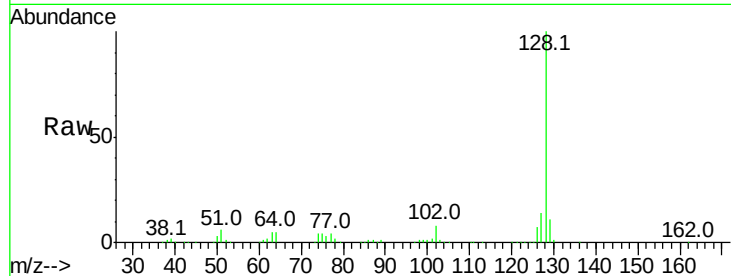
#31  
Naphthalene  
Concen: 35.92 ng  
RT: 9.76 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

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

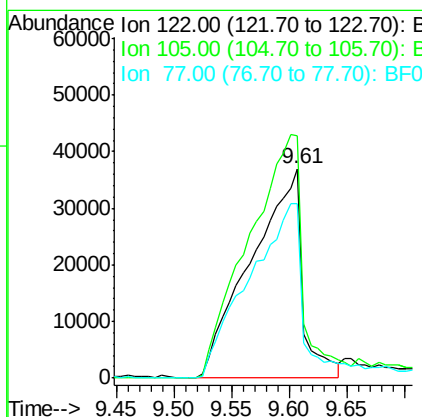
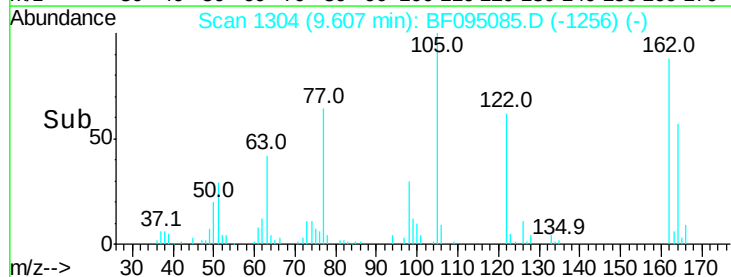
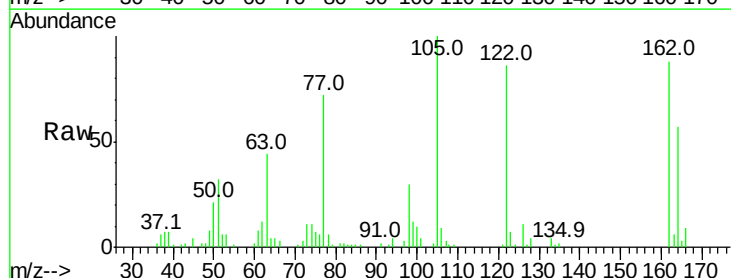
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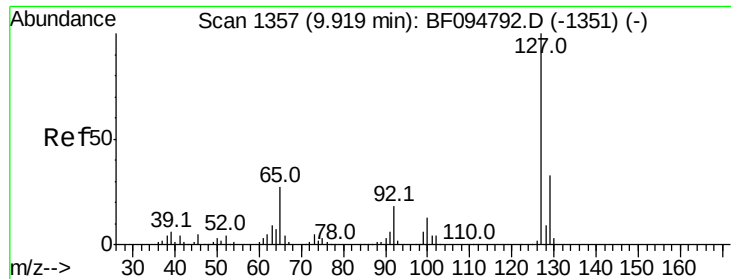
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#32  
Benzoic acid  
Concen: 30.65 ng  
RT: 9.61 min Scan# 1304  
Delta R.T. -0.02 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 116.0 | 103.3 | 143.3 |       |
| 77      | 83.3  | 73.7  | 113.7 |       |





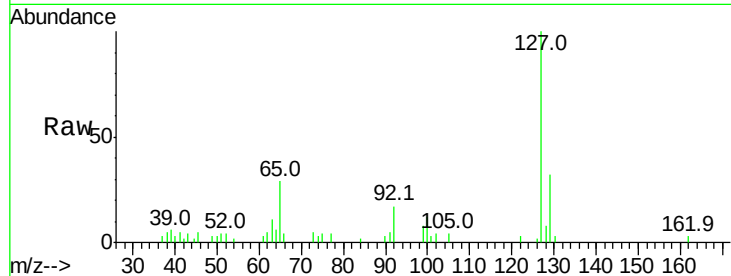
#33  
 4-Chloroaniline  
 Concen: 6.71 ng  
 RT: 9.94 min Scan# 1360  
 Delta R.T. 0.04 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

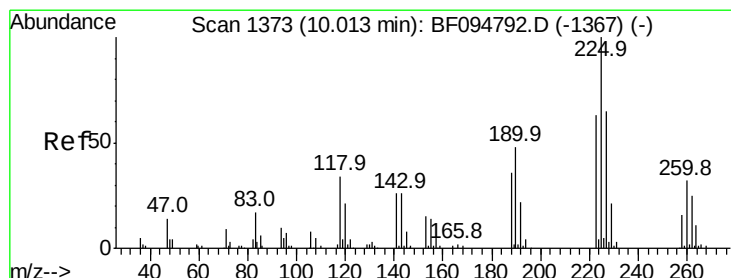
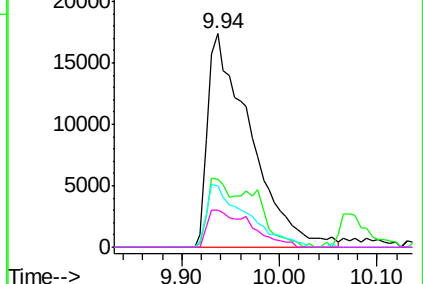
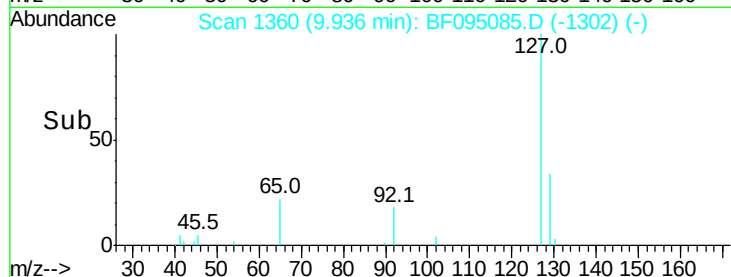
| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 53130 |       |       |
| 129     | 32.0 | 26.2  | 39.2  |       |       |
| 65      | 28.5 | 27.8  | 41.8  |       |       |
| 92      | 17.4 | 16.8  | 25.2  |       |       |

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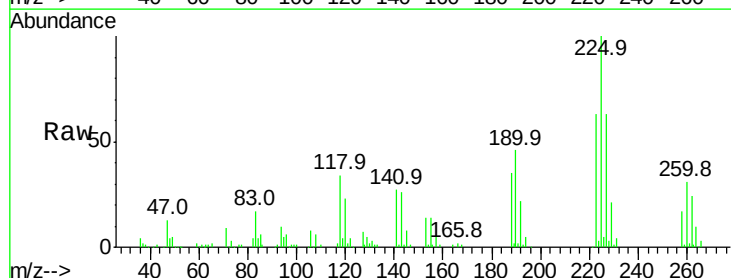


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0

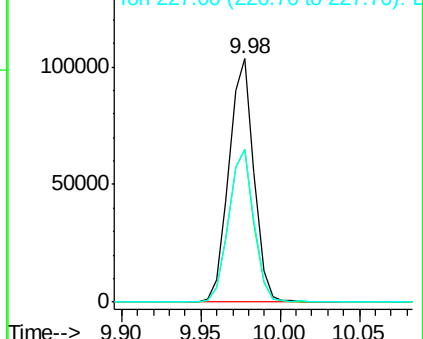
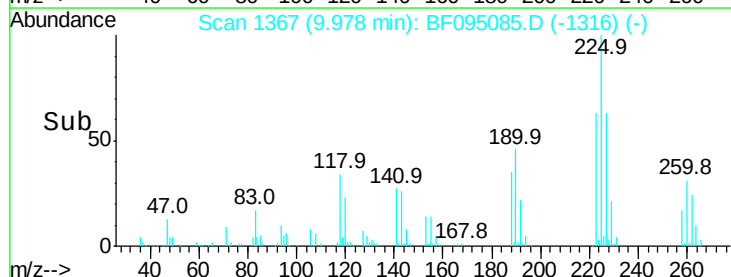


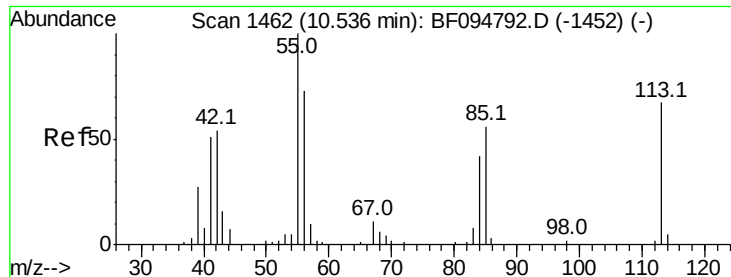
#34  
 Hexachlorobutadiene  
 Concen: 34.60 ng  
 RT: 9.98 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 113182 |       |       |
| 223     | 62.8 | 48.8  | 73.2   |       |       |
| 227     | 62.7 | 51.1  | 76.7   |       |       |



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: 35.67 ng/mL

RT: 10.52 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

ClientSampleID :

PB98865BS

Tot Ion: 113 Resp: 61985

Ion Ratio Lower Upper

113 100

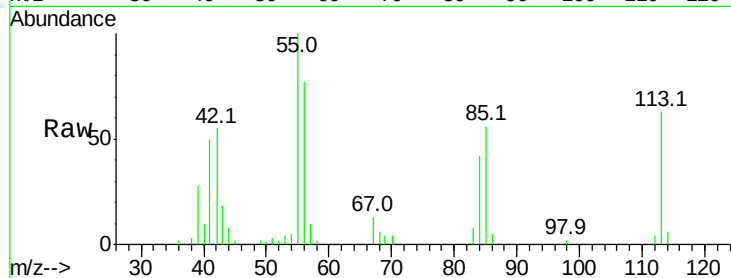
55 157.6 150.2 190.2

56 121.9 107.8 147.8

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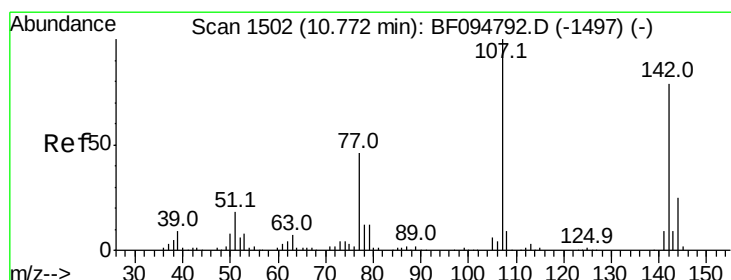
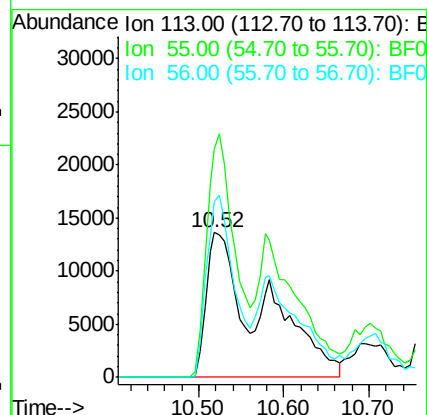
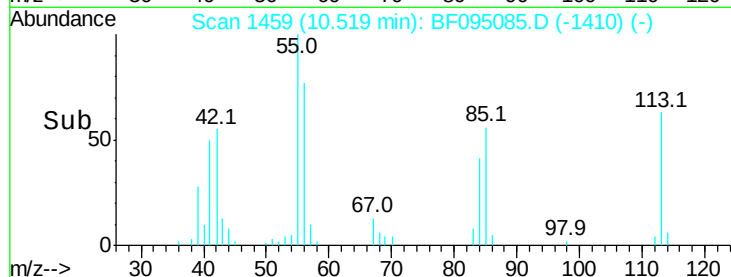
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 40.35 ng/mL

RT: 10.76 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

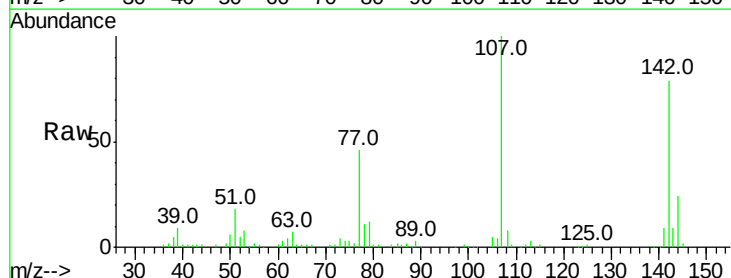
Tgt Ion: 107 Resp: 249681

Ion Ratio Lower Upper

107 100

144 24.0 24.2 36.4#

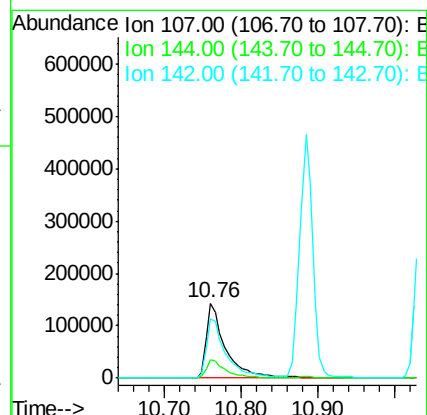
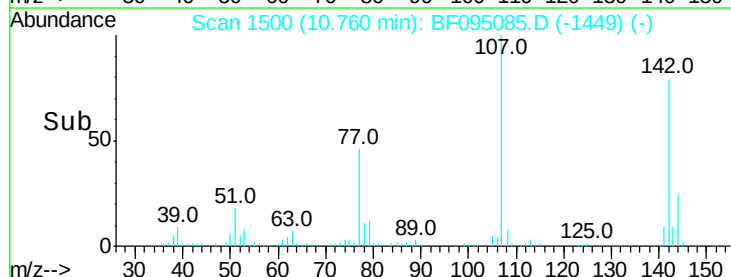
142 78.9 73.4 110.0

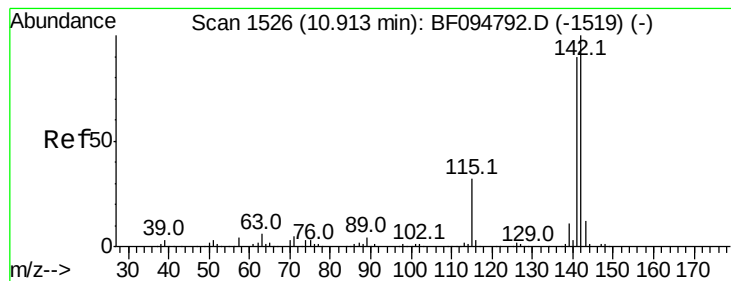


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 39.09 ng

RT: 10.88 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

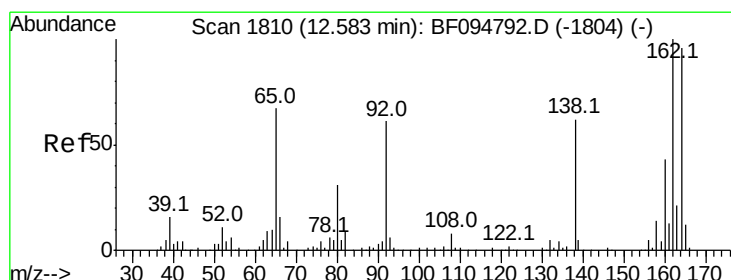
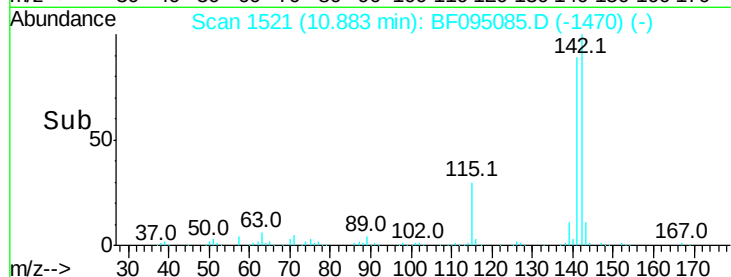
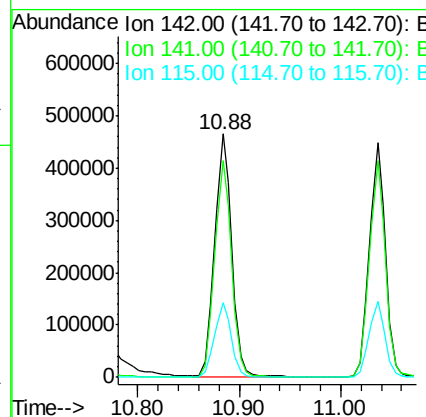
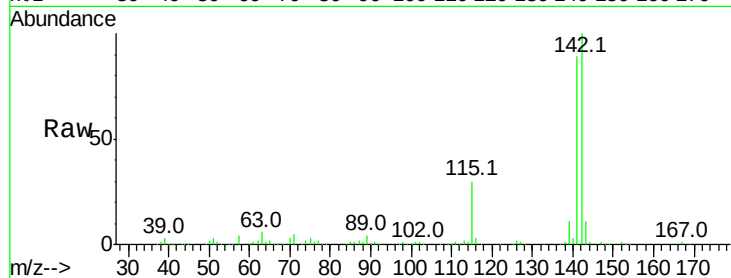
ClientSampleId :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 142   | Resp: | 545024 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 88.8  | 71.3  | 106.9  |
| 115       | 30.4  | 27.1  | 40.7   |

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#38

Acenaphthene-d10

Concen: 20.00 ng

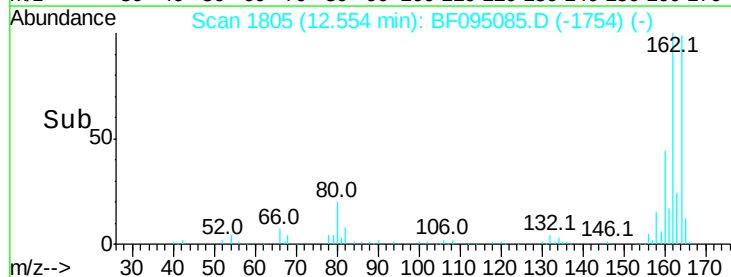
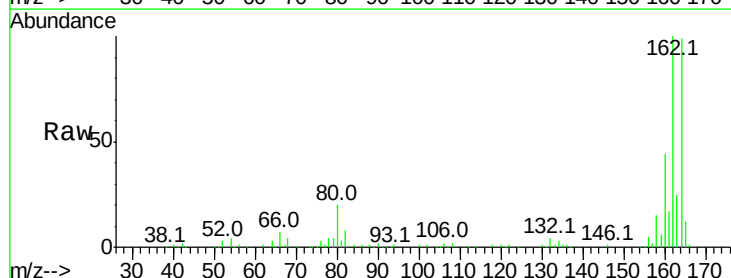
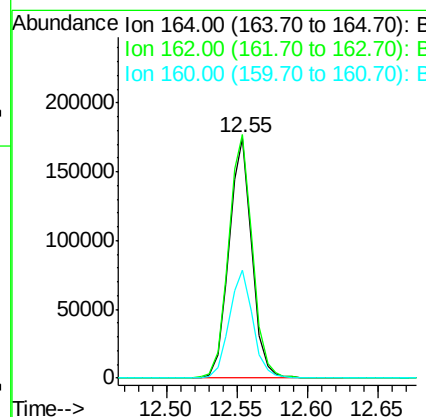
RT: 12.55 min Scan# 1805

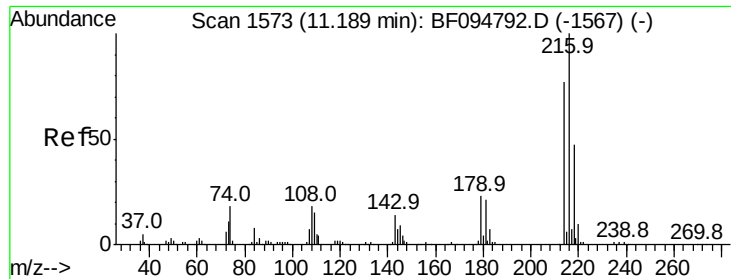
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 194775 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.4 | 82.6  | 123.8  |
| 160       | 45.0  | 36.2  | 54.2   |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.06 ng

RT: 11.16 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

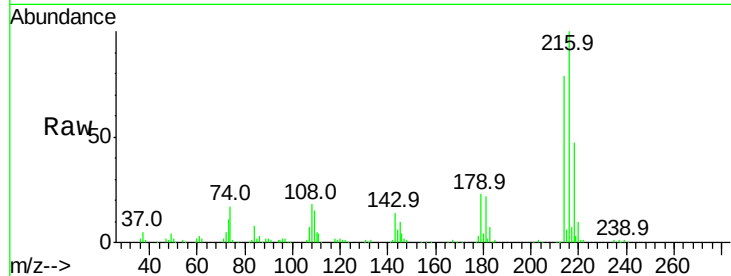
ClientSampleId :

PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 216010 |       |       |
| 214     | 79.2  | 63.4   | 95.2  |       |
| 179     | 22.1  | 17.9   | 26.9  |       |
| 108     | 20.2  | 16.5   | 24.7  |       |

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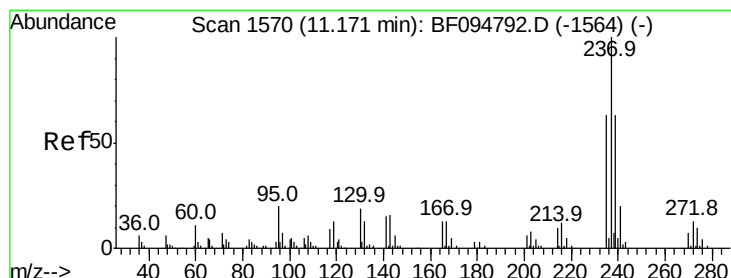
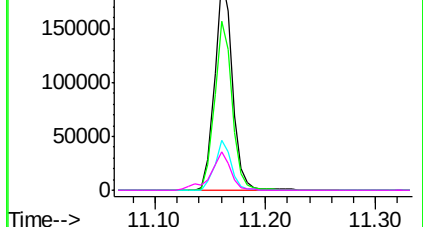
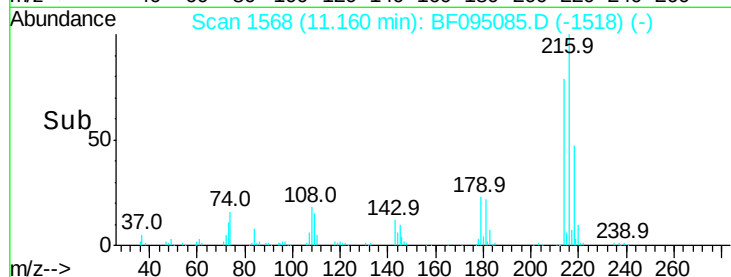


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 69.19 ng

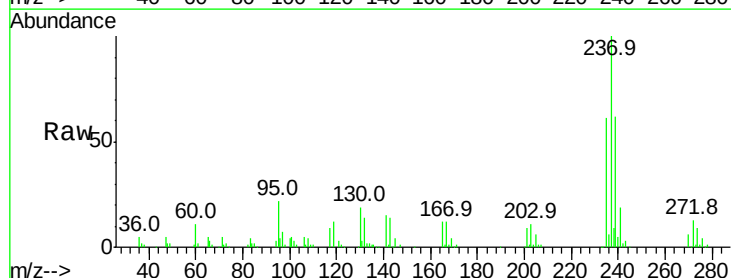
RT: 11.14 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

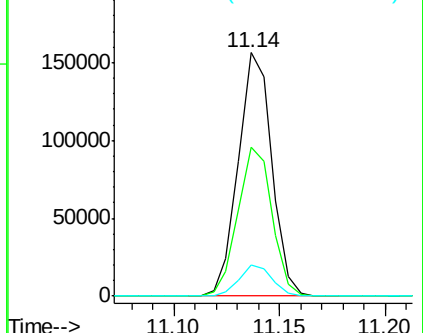
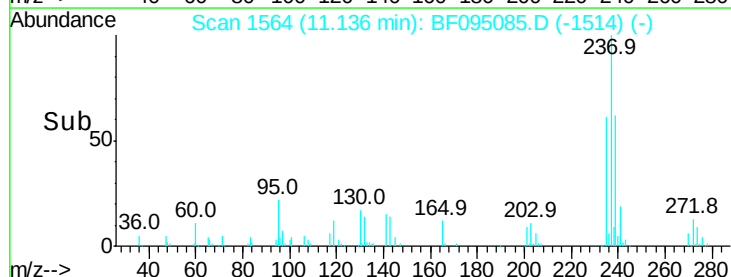
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 171996 |       |       |
| 235     | 61.1  | 42.6   | 82.6  |       |
| 272     | 12.6  | 0.0    | 31.9  |       |



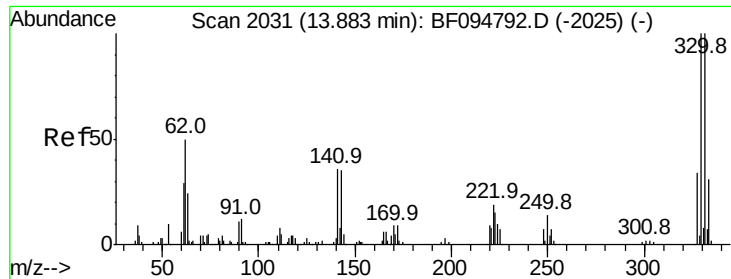
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E







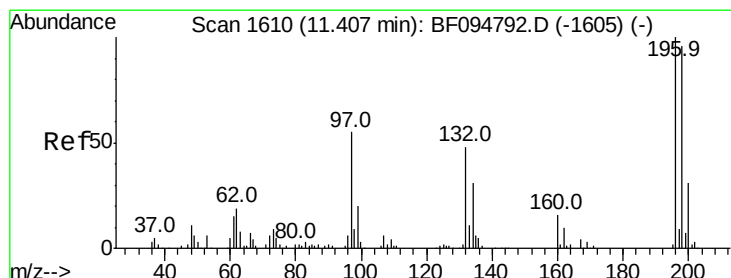
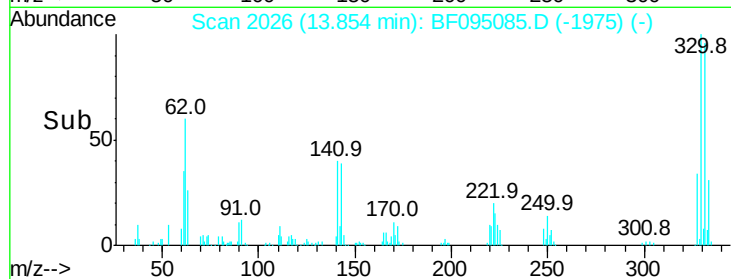
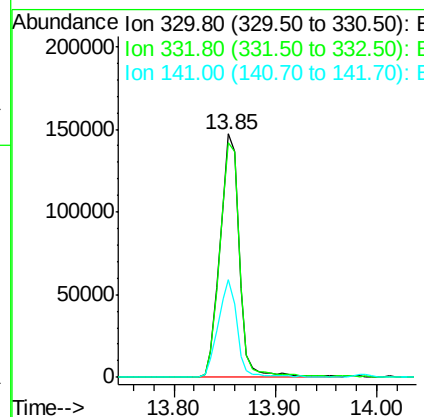
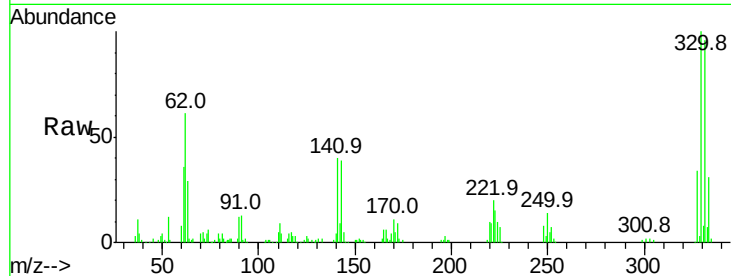
#41  
 2,4,6-Tribromophenol  
 Concen: 123.15 ng  
 RT: 13.85 min Scan# 2026  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 196450 |       |       |
| 332     | 98.4  | 76.6   | 115.0 |       |
| 141     | 39.4  | 31.4   | 47.2  |       |

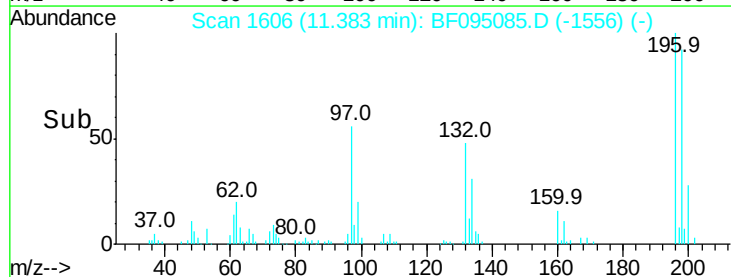
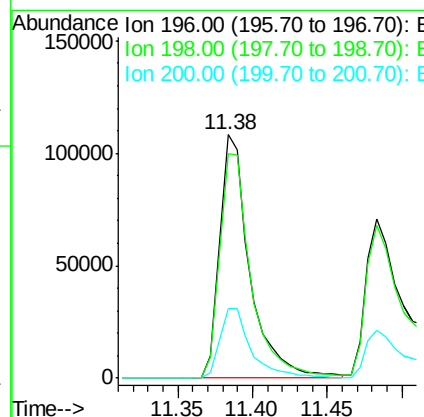
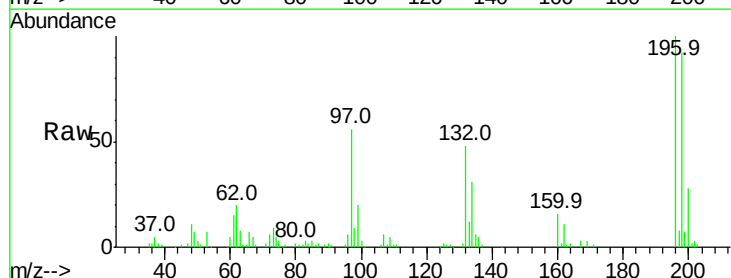
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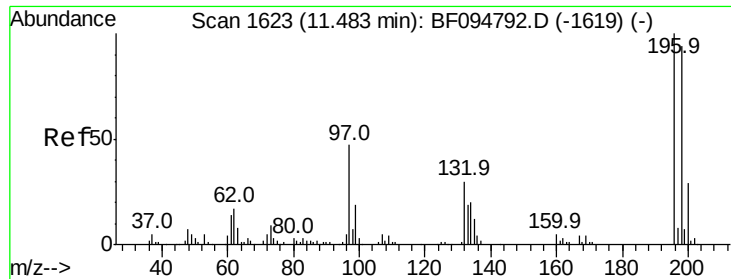
mohammad  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 38.50 ng  
 RT: 11.38 min Scan# 1606  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 153978 |       |       |
| 198     | 92.2  | 74.2   | 111.4 |       |
| 200     | 28.4  | 24.0   | 36.0  |       |





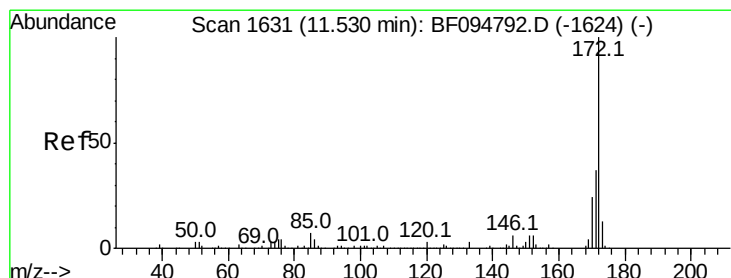
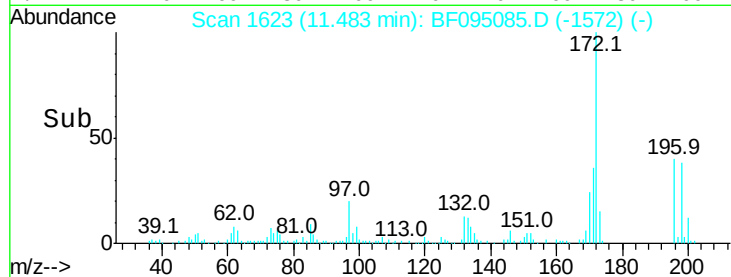
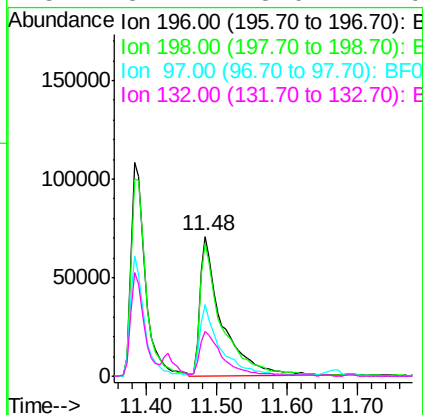
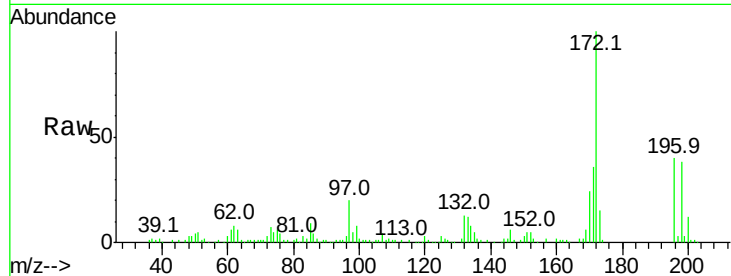
#43  
 2,4,5-Trichlorophenol  
 Concen: 35.69 ng  
 RT: 11.48 min Scan# 1623  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 153394 |       |       |
| 198     | 95.3  | 75.7   | 113.5 |       |
| 97      | 50.9  | 47.7   | 71.5  |       |
| 132     | 32.1  | 28.0   | 42.0  |       |

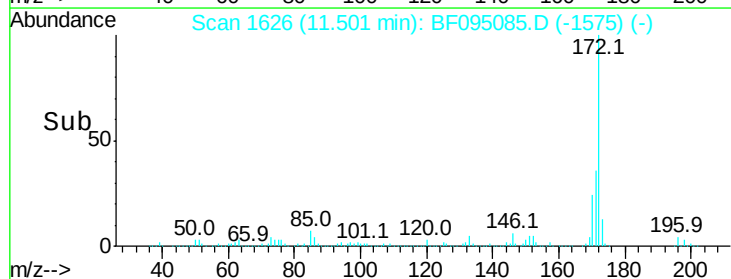
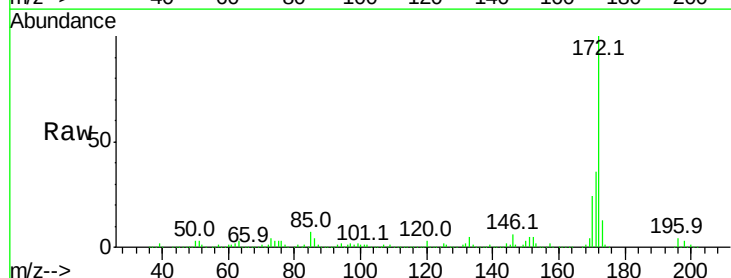
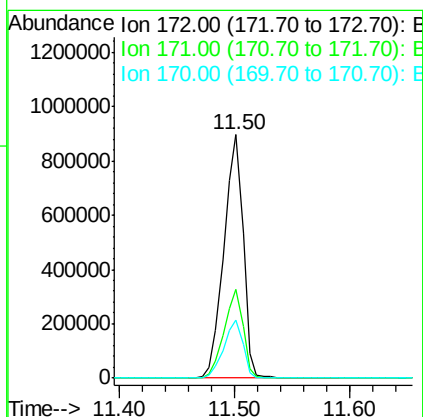
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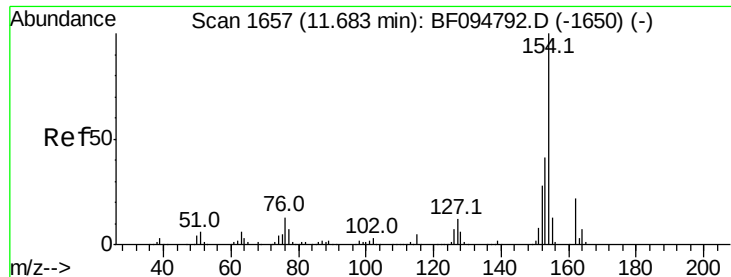
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#44  
 2-Fluorobiphenyl  
 Concen: 77.11 ng  
 RT: 11.50 min Scan# 1626  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1043443 |       |       |
| 171     | 36.3  | 29.6    | 44.4  |       |
| 170     | 23.7  | 19.8    | 29.8  |       |





#45

1,1'-Biphenyl

Concen: 37.36 ng

RT: 11.65 min Scan# 1651

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

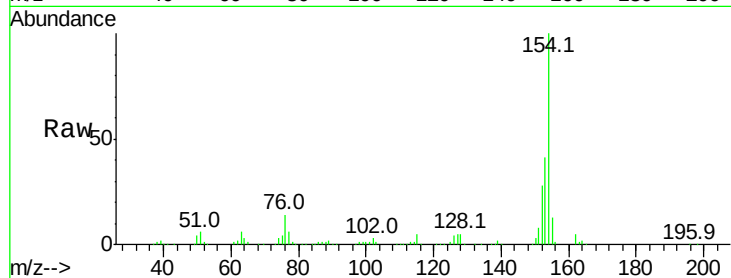
ClientSampleId :

PB98865BS

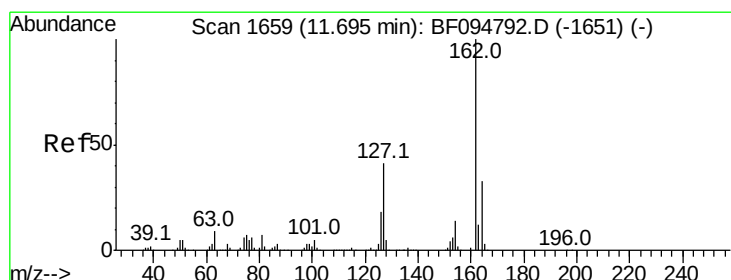
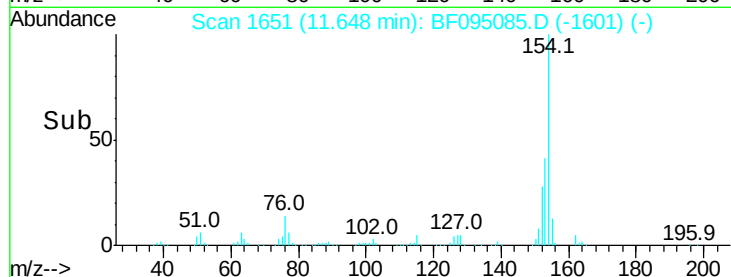
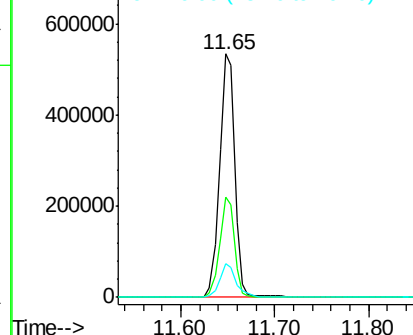
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 612608 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.9  | 21.2  | 61.2   |
| 76        | 13.7  | 0.0   | 29.9   |

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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: 36.76 ng

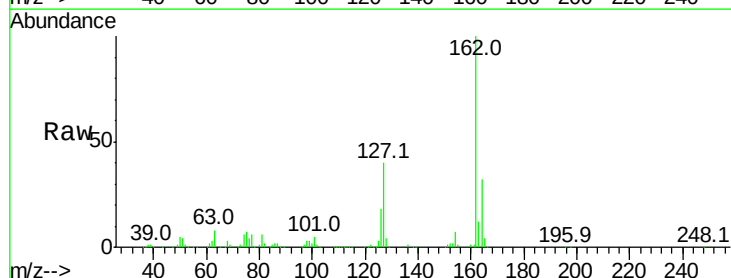
RT: 11.67 min Scan# 1654

Delta R.T. -0.01 min

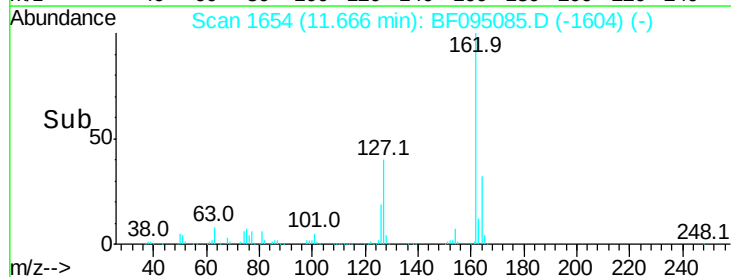
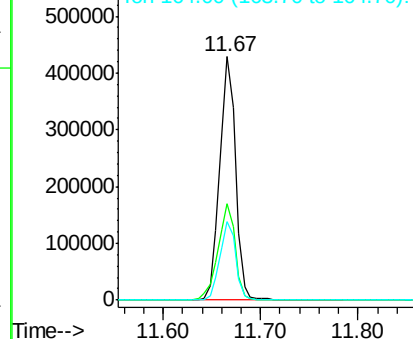
Lab File: BF095085.D

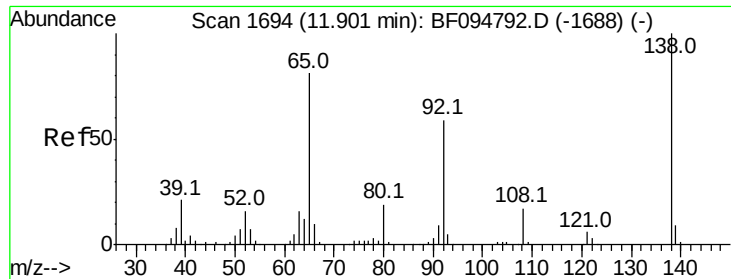
Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 486759 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.8  | 28.3  | 42.5   |
| 164       | 32.0  | 27.0  | 40.4   |



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





#47

2-Nitroaniline

Concen: 36.79 ng

RT: 11.88 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

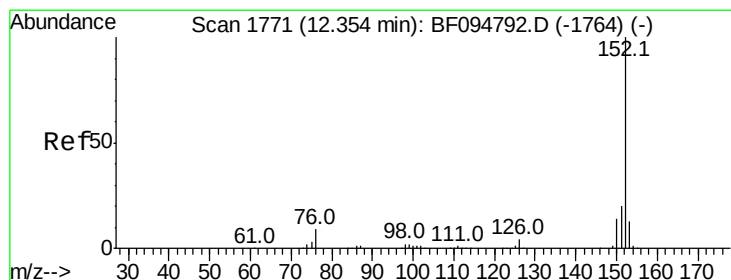
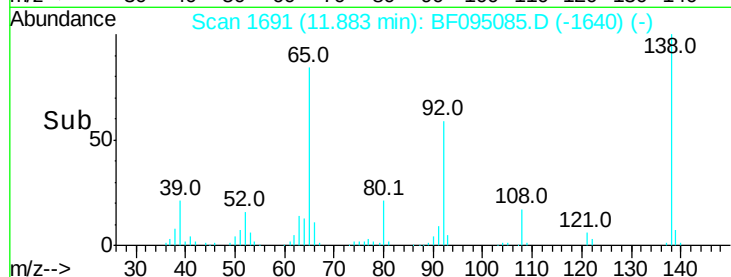
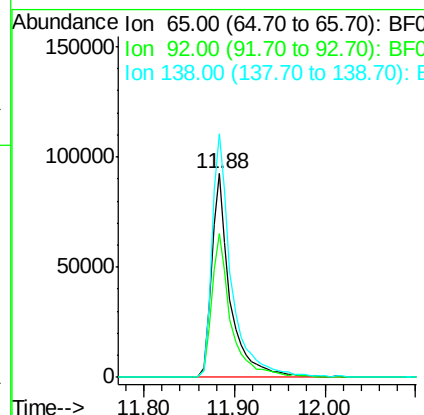
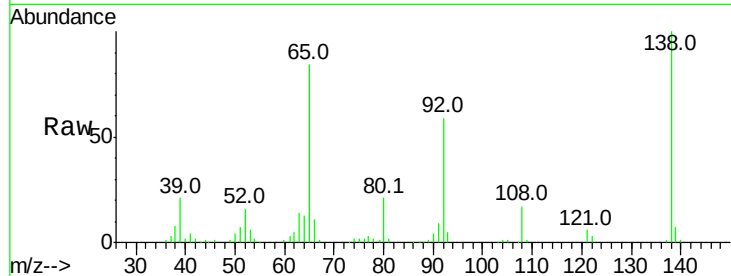
ClientSampled :

PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.6  | 53.9  | 80.9  |
| 138     | 119.7 | 78.8  | 118.2 |

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#48

Acenaphthylene

Concen: 38.09 ng

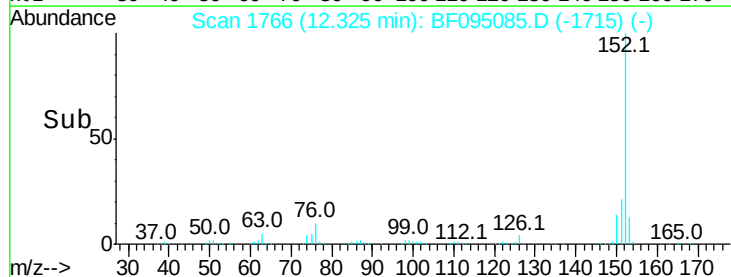
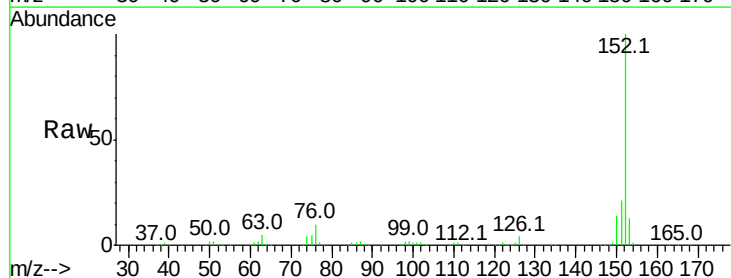
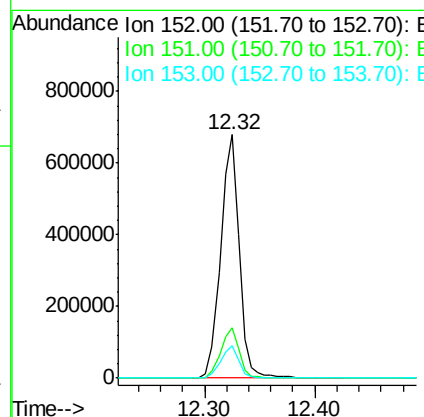
RT: 12.32 min Scan# 1766

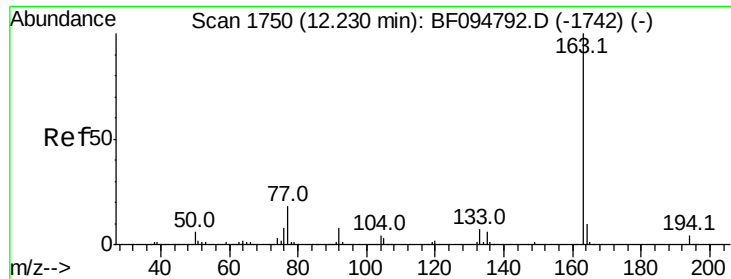
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.8  | 25.2  |
| 153     | 13.1  | 10.8  | 16.2  |





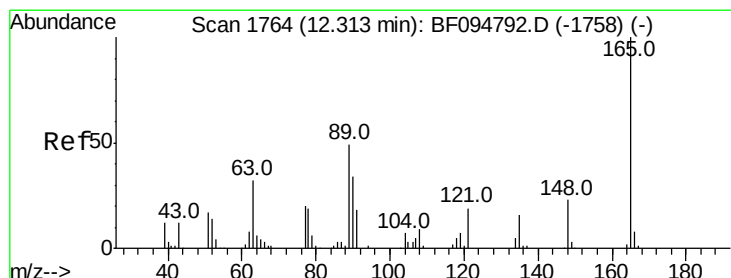
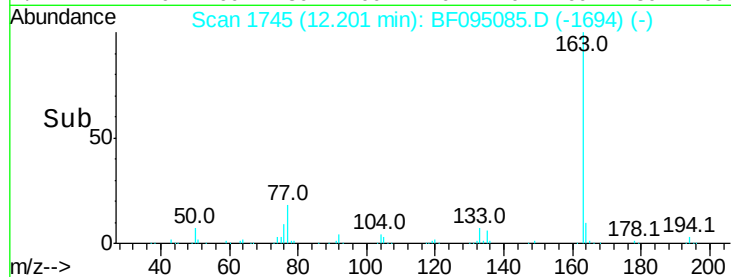
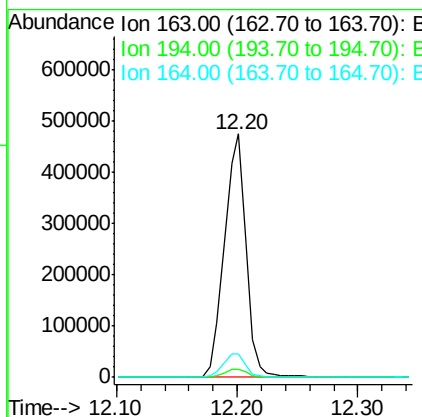
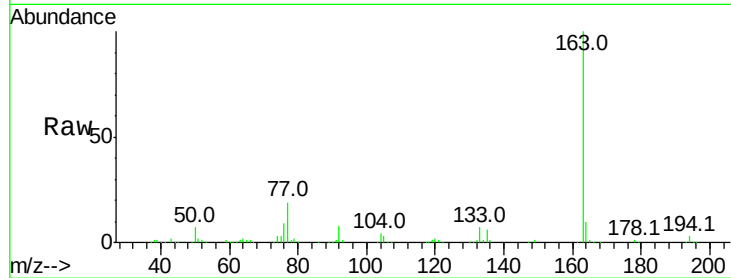
#49  
Dimethylphthalate  
Concen: 36.75 ng  
RT: 12.20 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 163     | 100   |      |       |       |
| 194     | 3.5   | 2.6  | 4.0   |       |
| 164     | 9.9   | 8.4  | 12.6  |       |

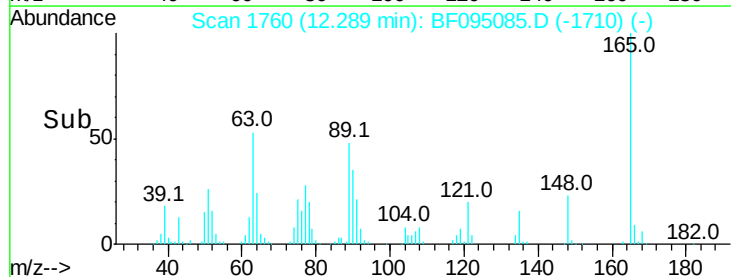
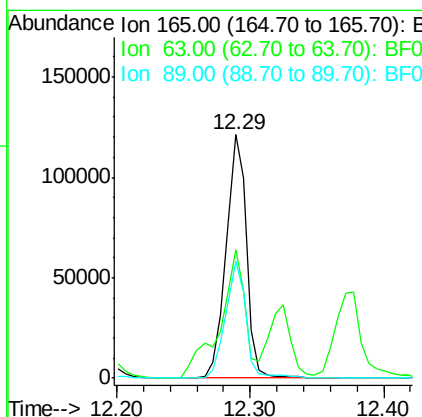
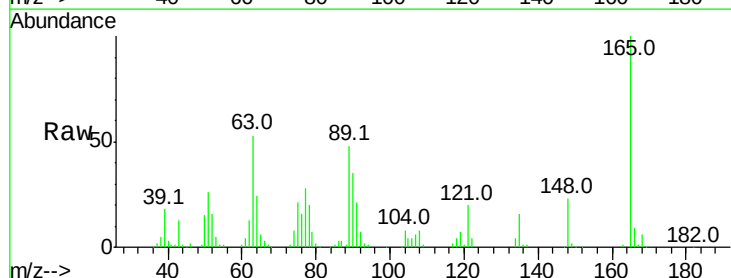
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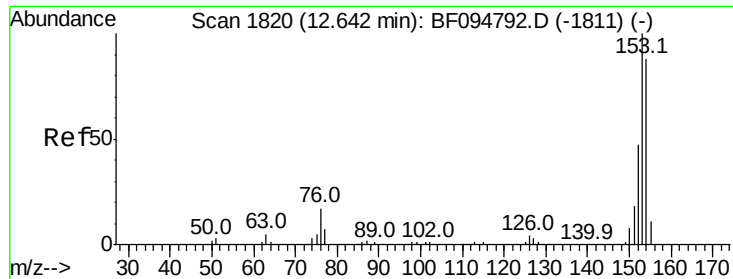
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#50  
2,6-Dinitrotoluene  
Concen: 40.26 ng  
RT: 12.29 min Scan# 1760  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 52.9  | 34.3 | 51.5# |       |
| 89      | 48.1  | 37.1 | 55.7  |       |





#51

Acenaphthene

Concen: 36.66 ng

RT: 12.61 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

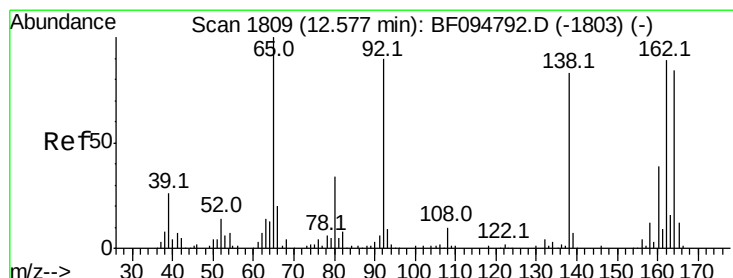
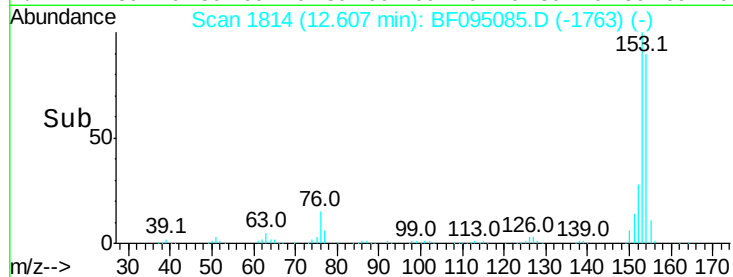
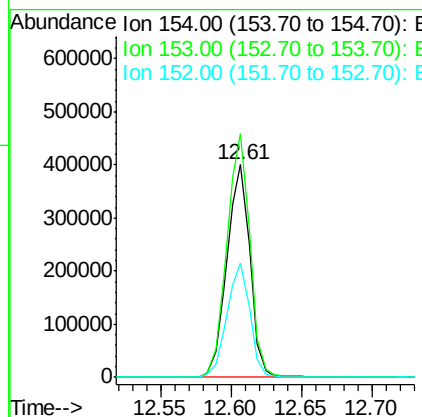
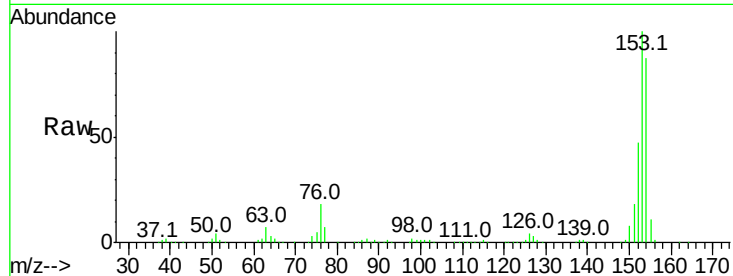
ClientSampleId :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 454120 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.6 | 90.5  | 135.7  |
| 152       | 53.6  | 43.6  | 65.4   |

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#52

3-Nitroaniline

Concen: 13.71 ng

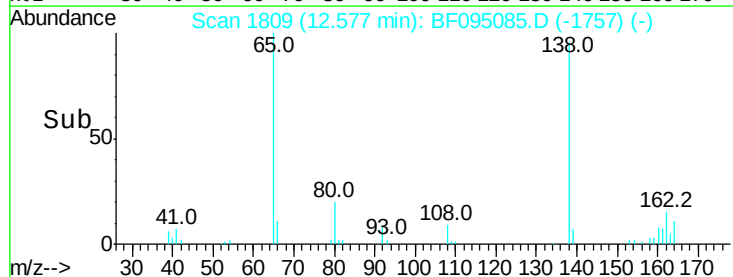
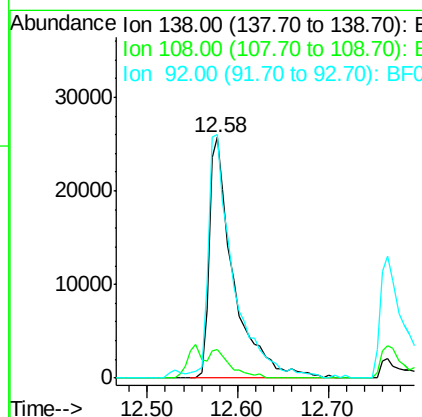
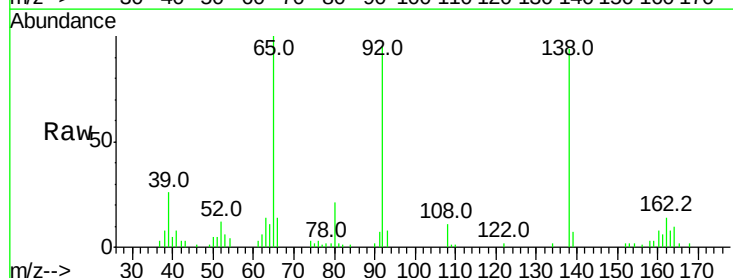
RT: 12.58 min Scan# 1809

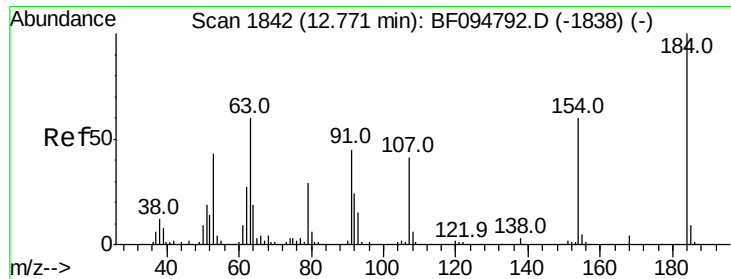
Delta R.T. 0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 48018 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 11.9  | 9.1   | 13.7  |
| 92        | 101.2 | 93.8  | 140.6 |





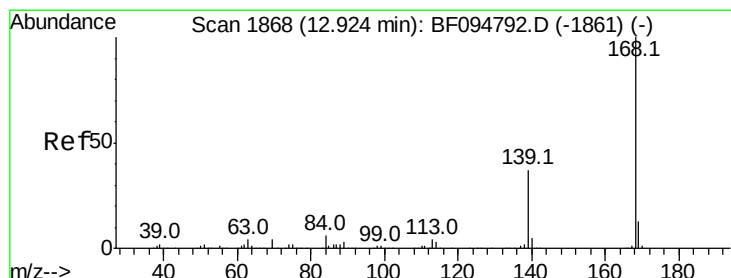
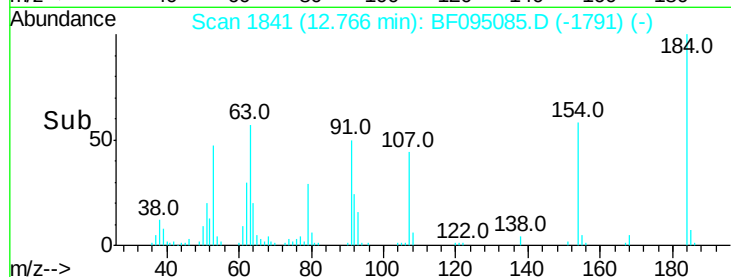
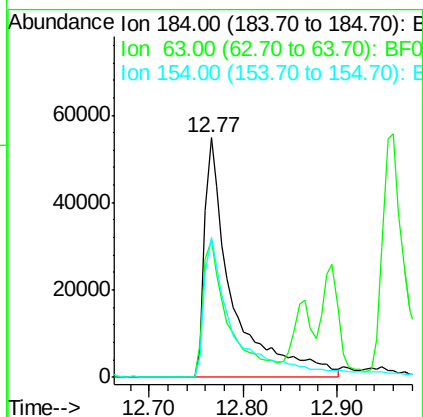
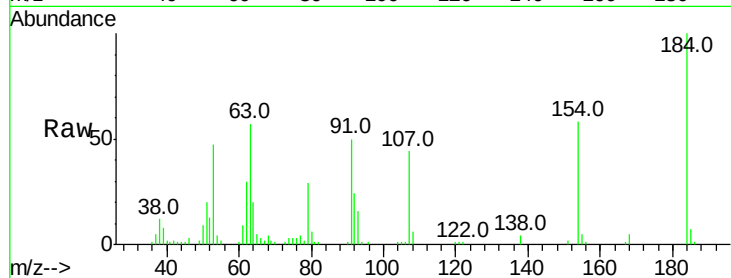
#53  
 2,4-Dinitrophenol  
 Concen: 64.12 ng  
 RT: 12.77 min Scan# 1841  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB98865BS

| Tot Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 184     | 100   |      |        |       |
| 63      | 57.5  | 62.7 | 94.1#  |       |
| 154     | 58.3  | 81.1 | 121.7# |       |

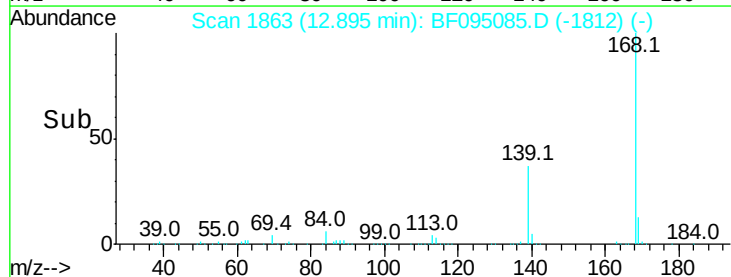
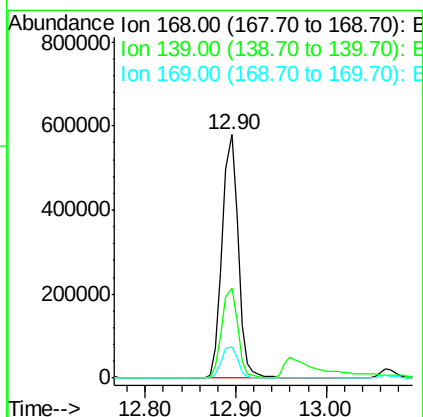
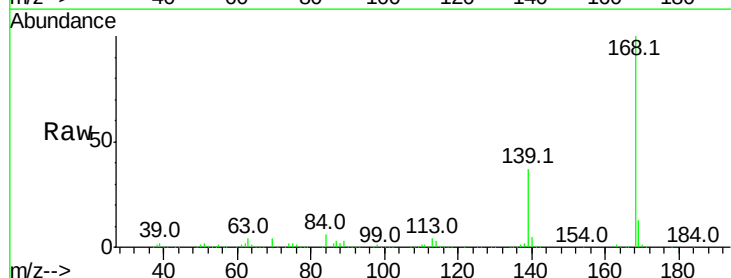
Manual Integrations  
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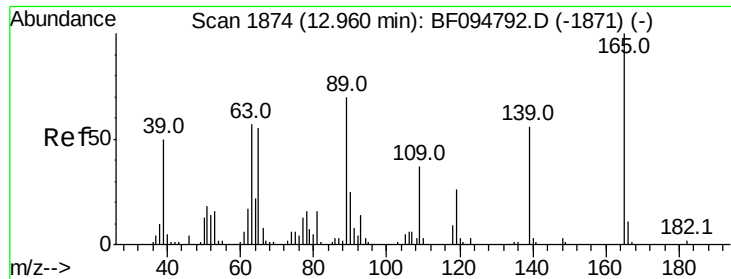
mohammad  
 5/12/2017 3:36:00 PM



#54  
 Dibenzofuran  
 Concen: 41.22 ng  
 RT: 12.90 min Scan# 1863  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.2  | 30.6 | 45.8  |       |
| 169     | 13.0  | 10.8 | 16.2  |       |





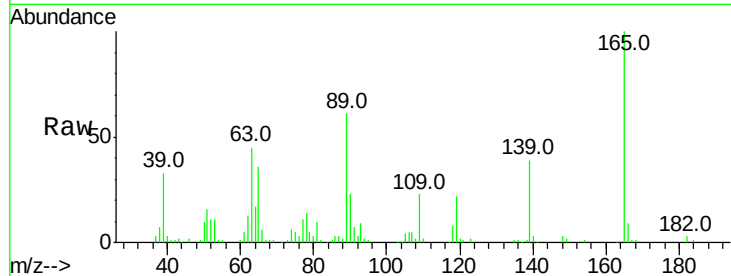
#55  
4-Nitrophenol  
Concen: 73.74 ng  
RT: 12.96 min Scan# 1874  
Delta R.T. -0.02 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 58.8  | 34.1 | 74.1  |       |
| 65      | 91.4  | 31.4 | 71.4  |       |

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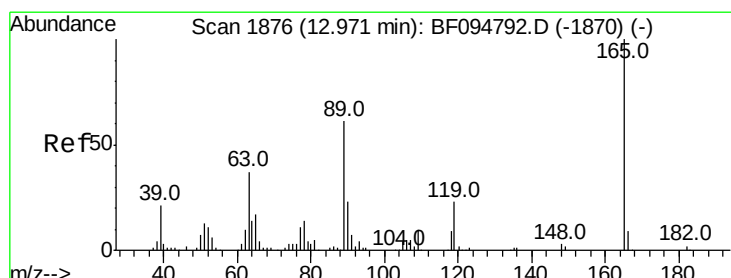
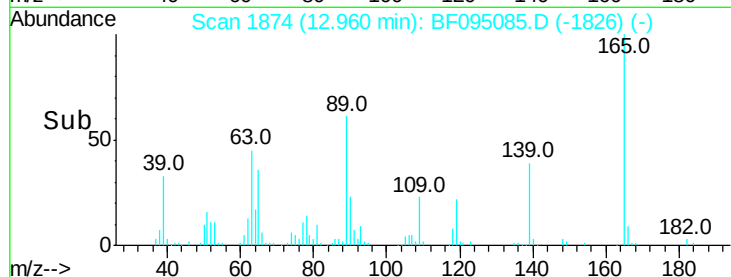
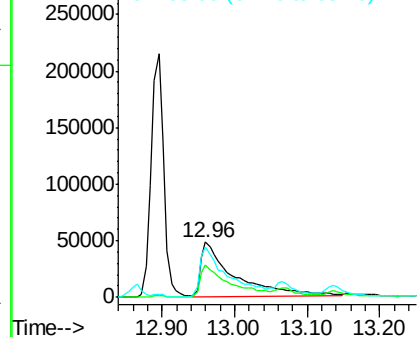


Abundance

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: 42.76 ng  
RT: 12.96 min Scan# 1874  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 45.2  | 25.4 | 38.0  |       |
| 89      | 61.5  | 46.4 | 69.6  |       |
| 182     | 2.5   | 1.8  | 2.6   |       |

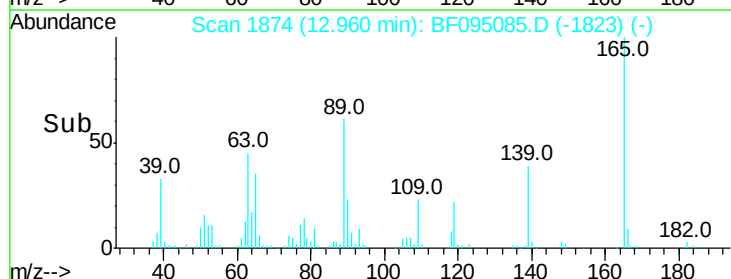
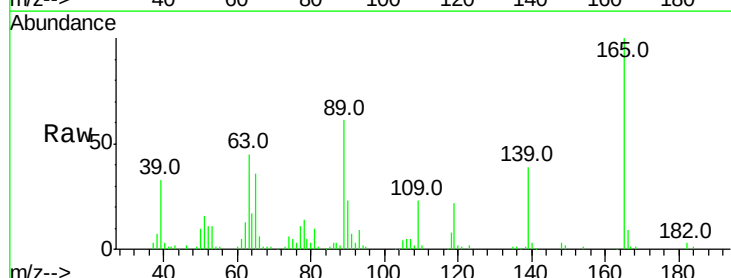
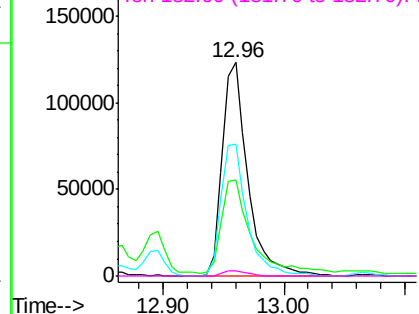
Abundance

Ion 165.00 (164.70 to 165.70): E

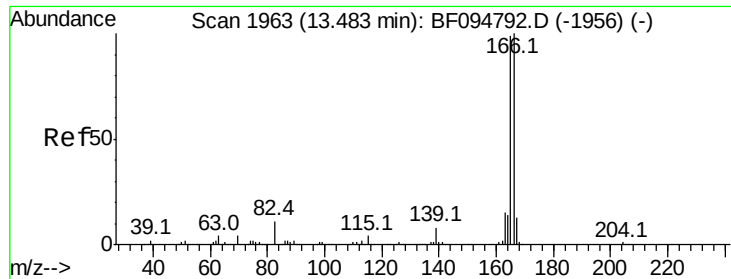
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E







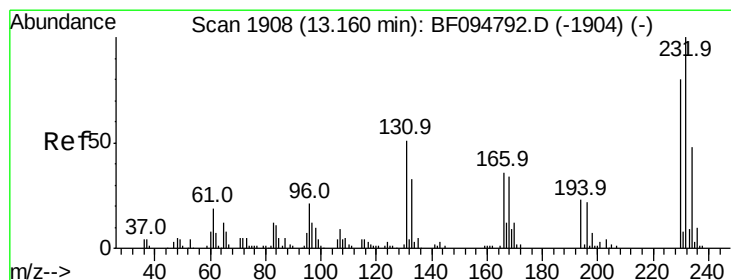
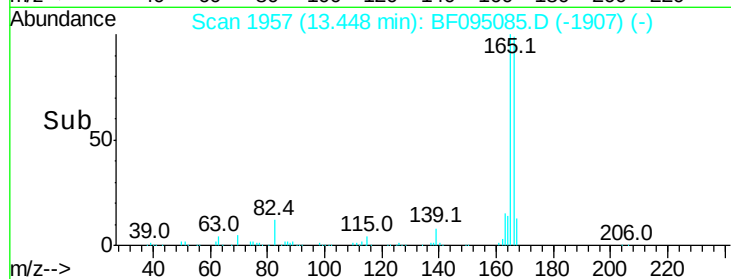
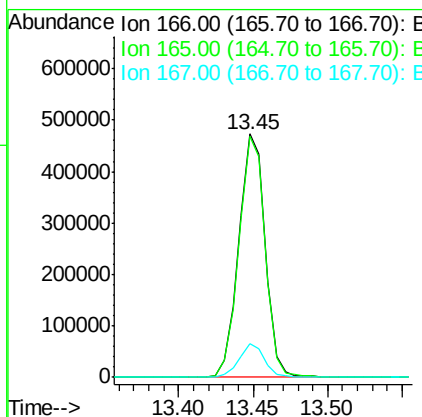
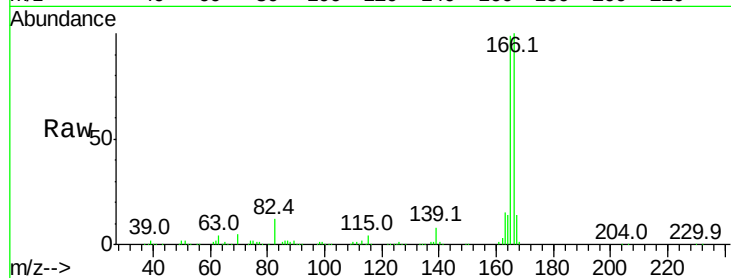
#57  
 Fluorene  
 Concen: 38.93 ng  
 RT: 13.45 min Scan# 1957  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 580348 |       |       |
| 165     | 99.3  | 78.8   | 118.2 |       |
| 167     | 13.6  | 10.6   | 16.0  |       |

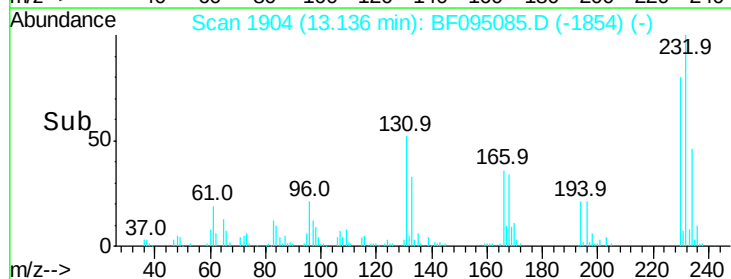
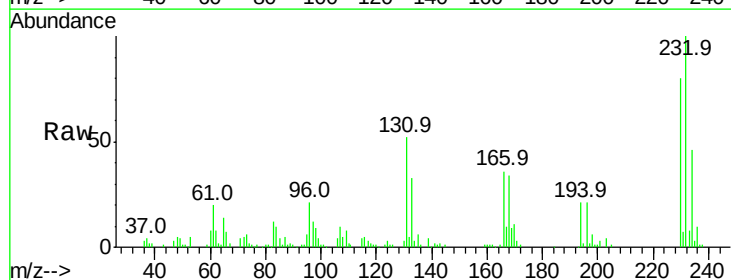
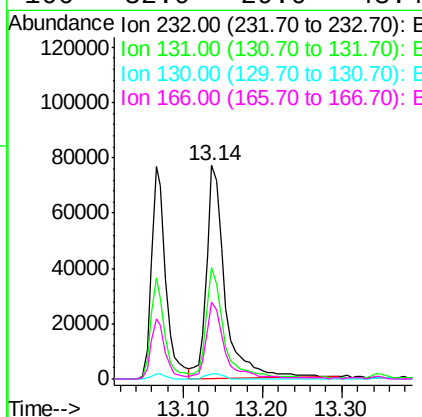
Manual Integrations  
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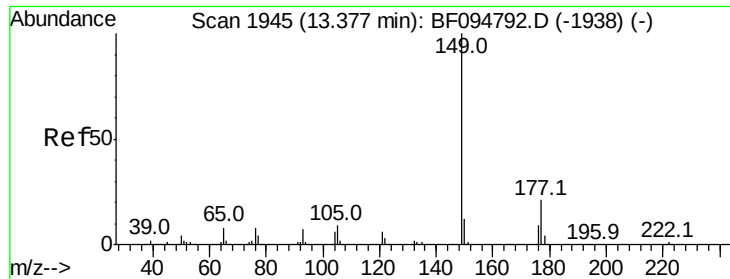
mohammad  
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#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.18 ng  
 RT: 13.14 min Scan# 1904  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 124917 |       |       |
| 131     | 49.9  | 44.8   | 67.2  |       |
| 130     | 2.2   | 2.3    | 3.5   |       |
| 166     | 32.9  | 29.0   | 43.4  |       |





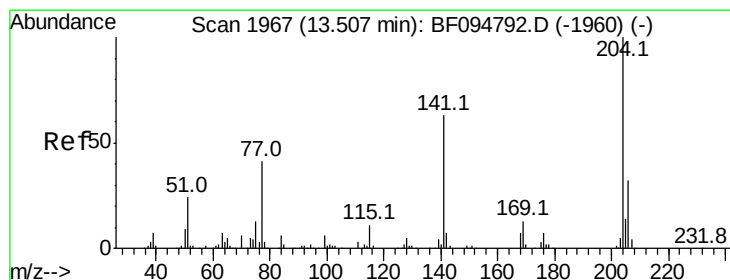
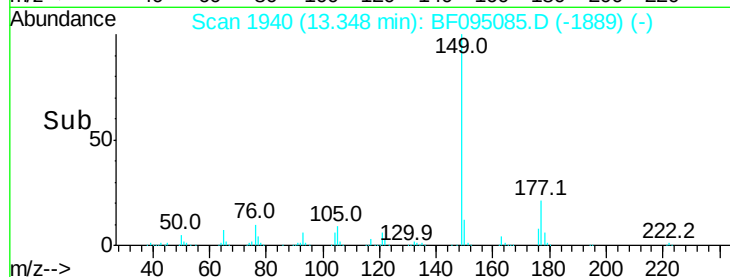
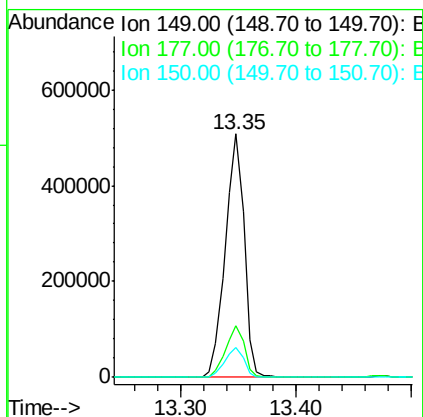
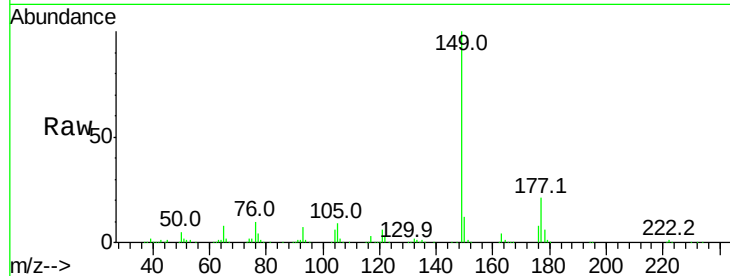
#59  
Diethylphthalate  
Concen: 37.70 ng  
RT: 13.35 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 577787 |       |       |
| 177     | 21.3  | 16.7   | 25.1  |       |
| 150     | 12.2  | 10.2   | 15.2  |       |

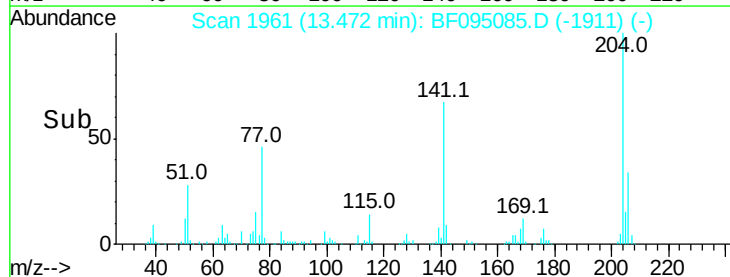
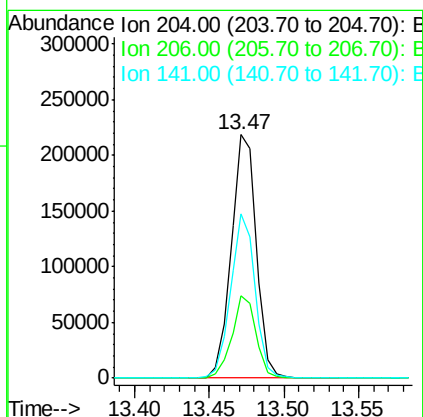
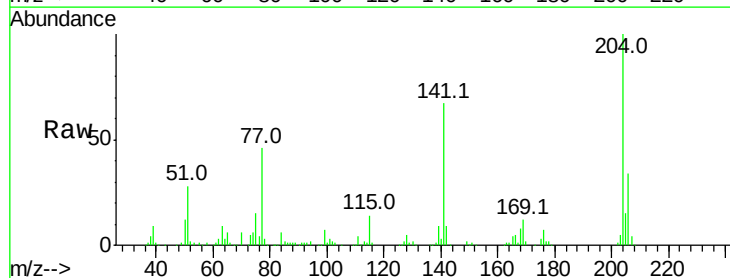
Manual Integrations  
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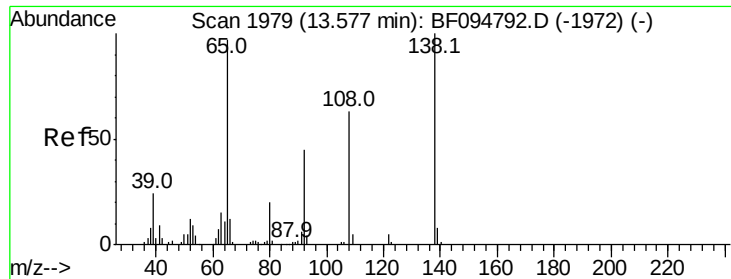
mohammad  
5/12/2017 3:36:00 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 39.31 ng  
RT: 13.47 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 257547 |       |       |
| 206     | 33.6  | 26.2   | 39.2  |       |
| 141     | 67.4  | 60.8   | 91.2  |       |





#61

4-Nitroaniline

Concen: 39.39 ng

RT: 13.57 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

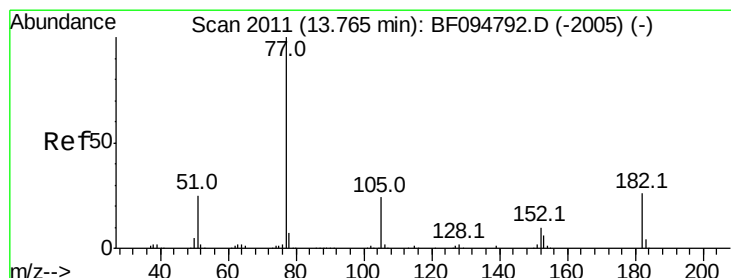
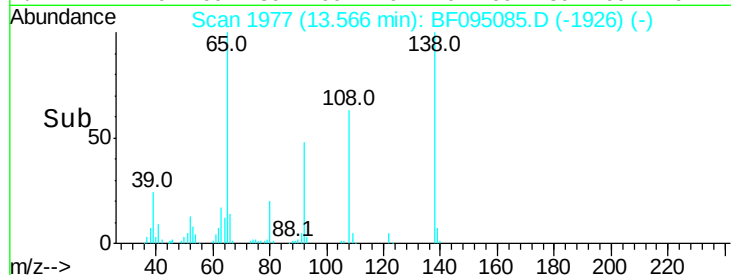
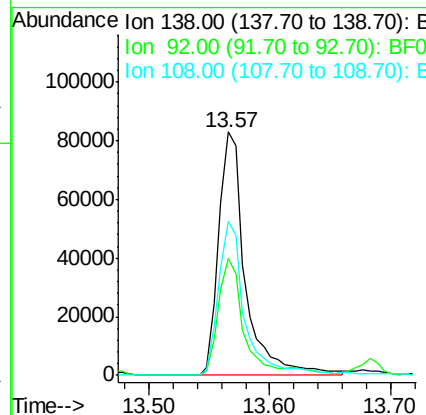
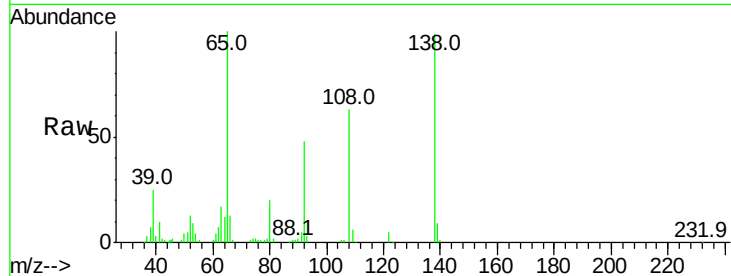
ClientSampled :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 126600 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 48.2  | 21.8  | 61.8   |
| 108       | 63.2  | 42.3  | 82.3   |

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#62

Azobenzene

Concen: 43.45 ng

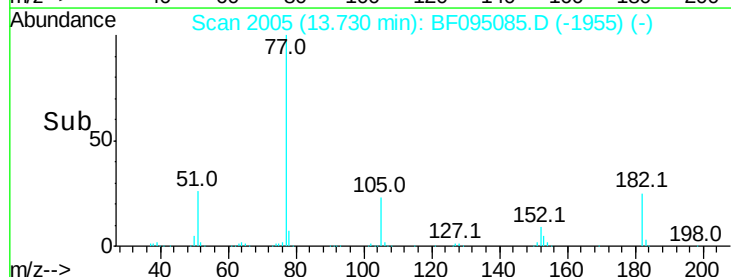
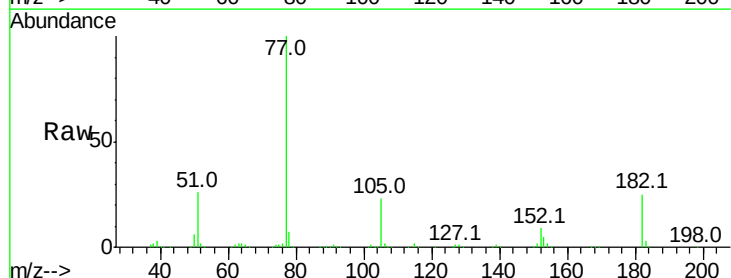
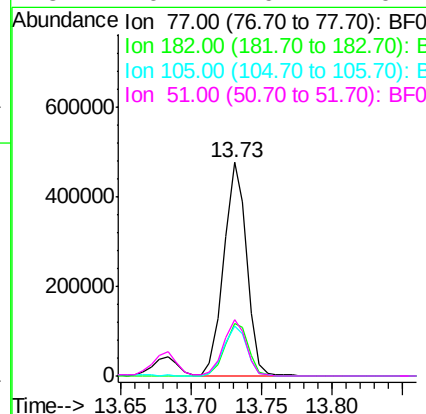
RT: 13.73 min Scan# 2005

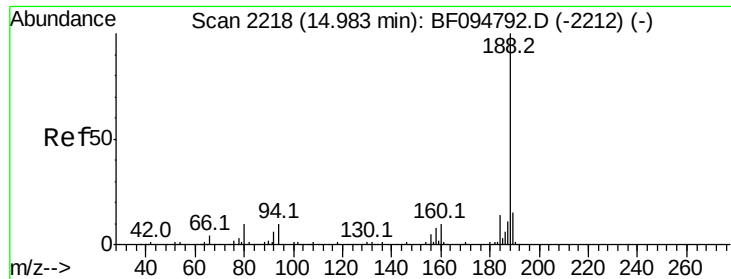
Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 535050 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 24.6  | 0.1   | 40.1   |
| 105       | 23.4  | 3.6   | 43.6   |
| 51        | 26.2  | 9.4   | 49.4   |





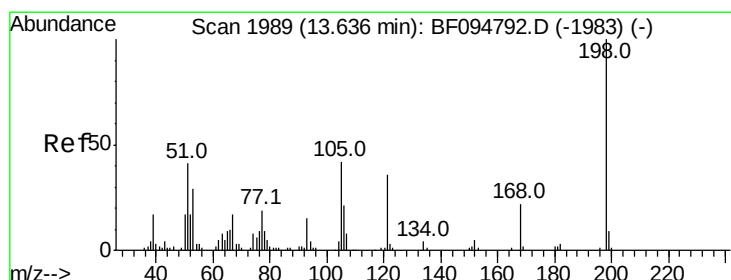
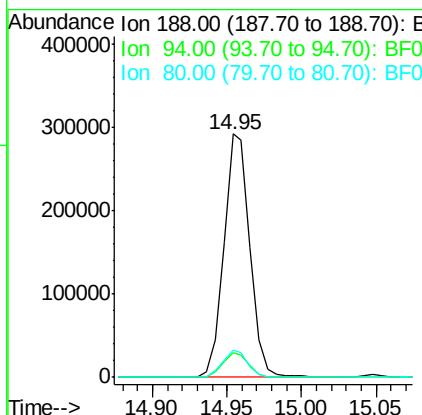
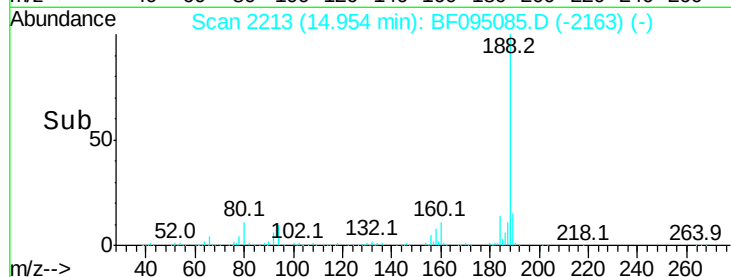
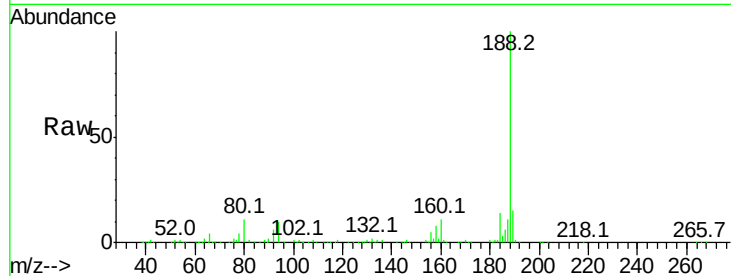
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.95 min Scan# 2213  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 10.3  | 9.4  | 14.2  |       |
| 80      | 11.4  | 10.2 | 15.2  |       |

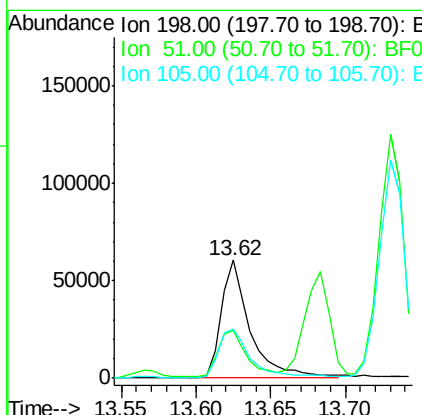
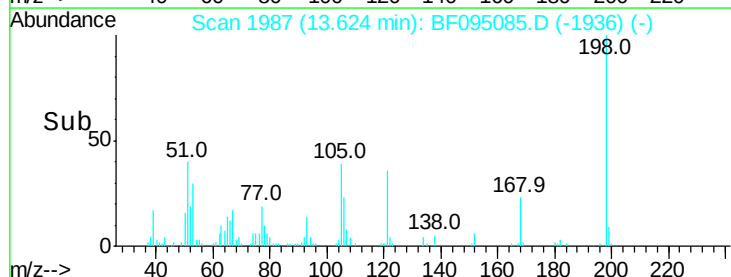
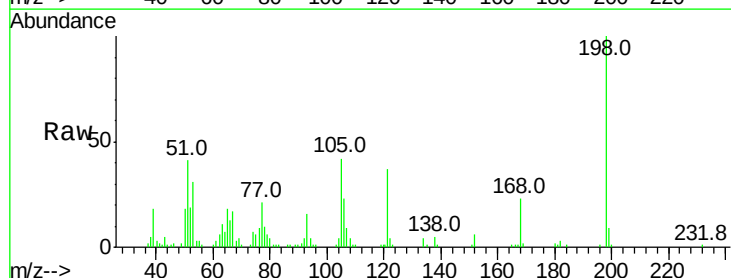
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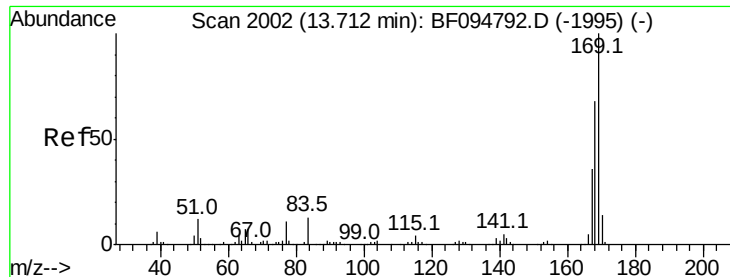
mohammad  
5/12/2017 3:36:00 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 34.49 ng  
RT: 13.62 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 40.7  | 53.2 | 93.2# |       |
| 105     | 41.5  | 45.8 | 85.8# |       |





#65

n-Nitrosodiphenylamine

Concen: 37.46 ng

RT: 13.68 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

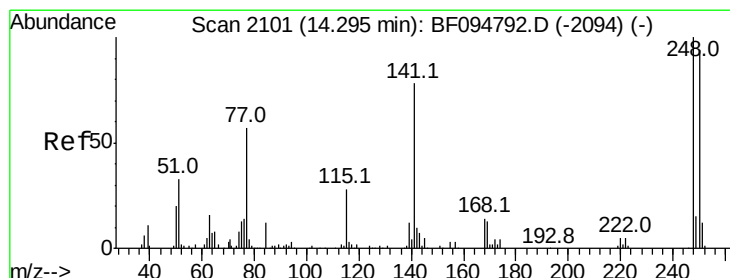
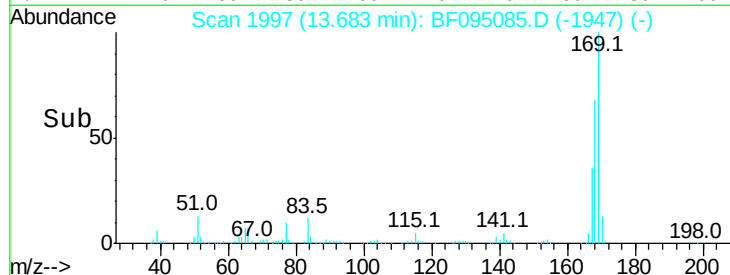
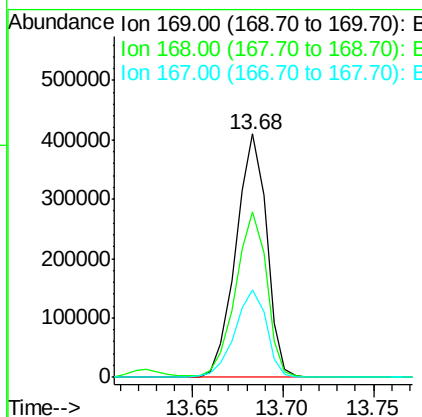
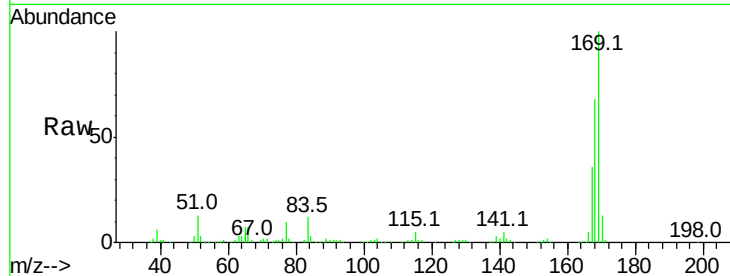
ClientSampled :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 485902 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.9  | 53.2  | 79.8   |
| 167       | 36.2  | 29.5  | 44.3   |

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5/12/2017 3:36:00 PM



#66

4-Bromophenyl-phenylether

Concen: 38.49 ng

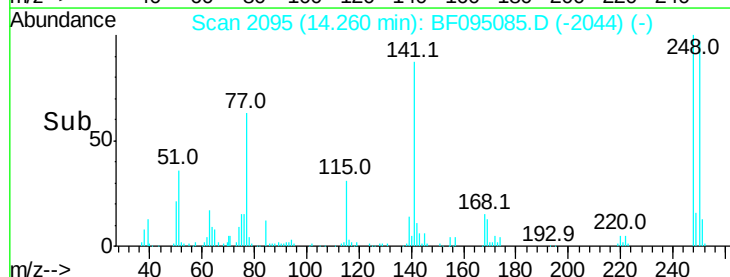
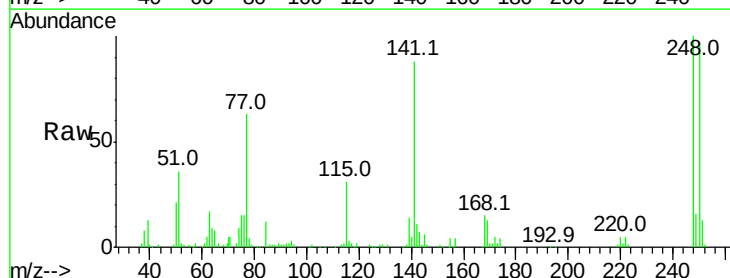
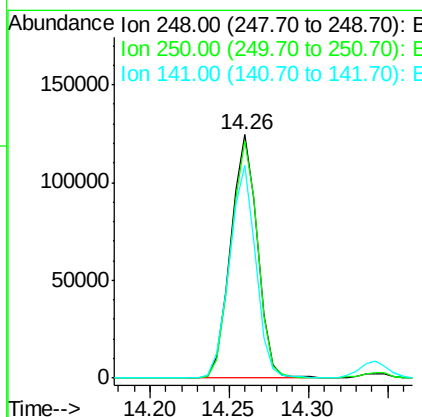
RT: 14.26 min Scan# 2095

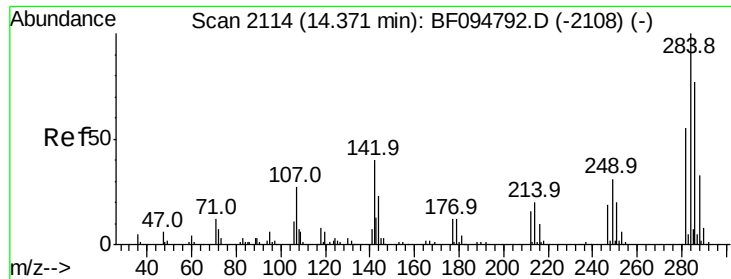
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 145331 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.4  | 76.8  | 115.2  |
| 141       | 87.7  | 68.6  | 103.0  |





#67

Hexachlorobenzene

Concen: 37.75 ng

RT: 14.34 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

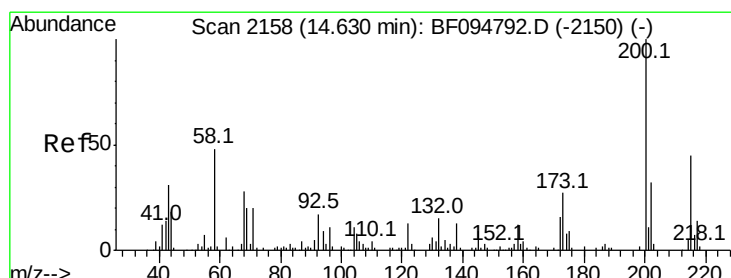
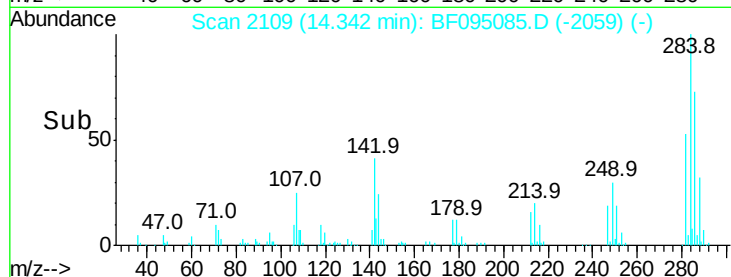
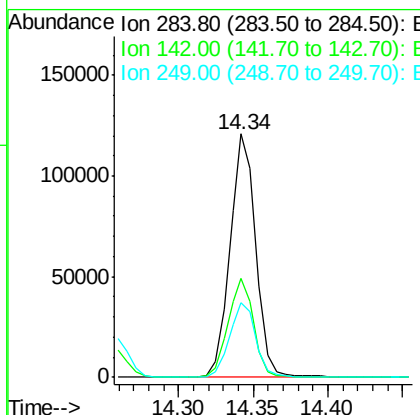
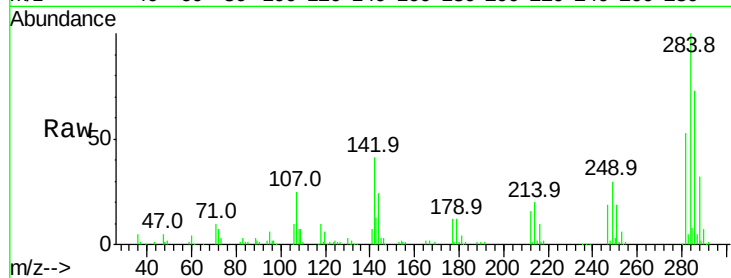
ClientSampleId :

PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 146099 |       |       |
| 142     | 40.5  | 22.8   | 34.2# |       |
| 249     | 30.4  | 24.0   | 36.0  |       |

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5/12/2017 3:36:00 PM



#68

Atrazine

Concen: 37.47 ng

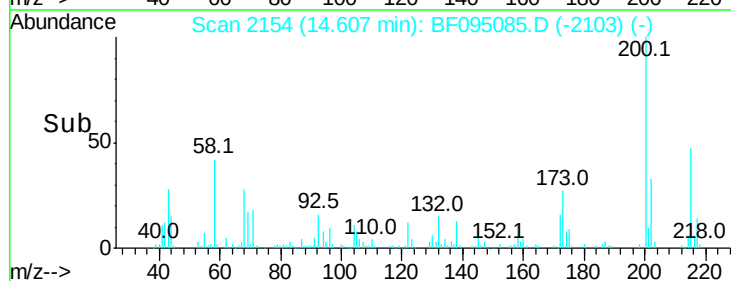
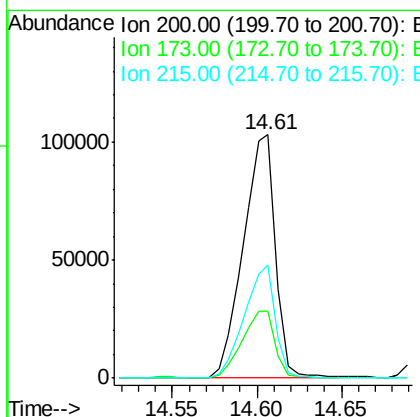
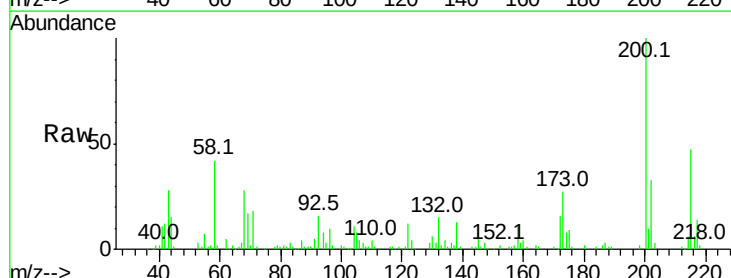
RT: 14.61 min Scan# 2154

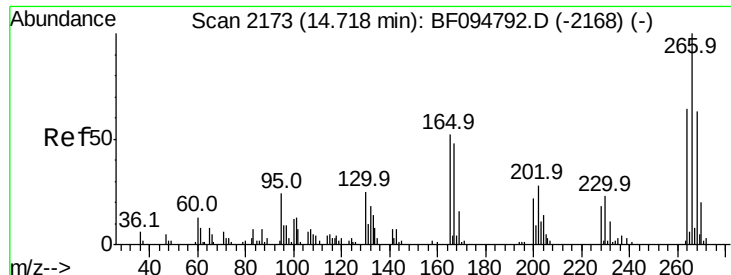
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 137231 |       |       |
| 173     | 27.4  | 6.3    | 46.3  |       |
| 215     | 46.7  | 27.2   | 67.2  |       |





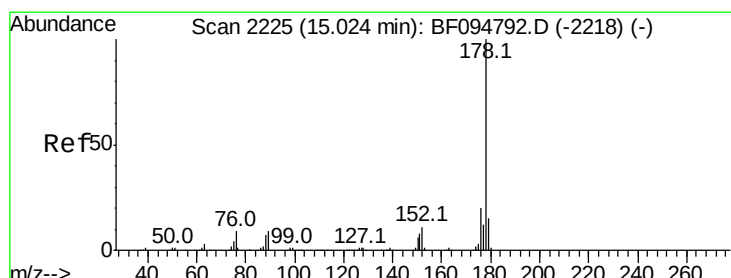
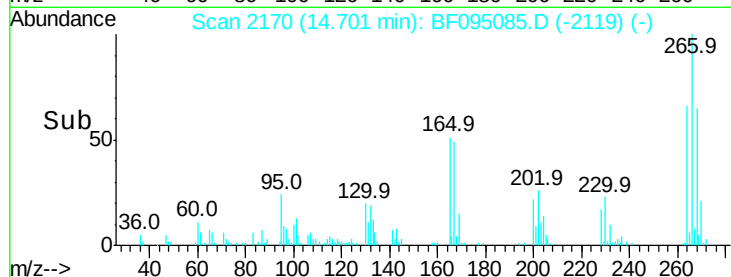
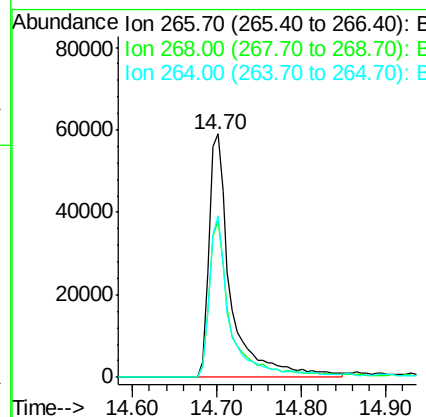
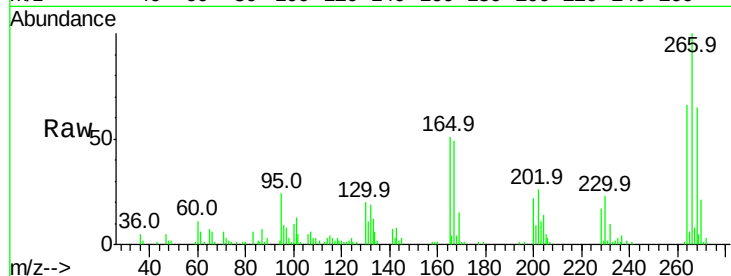
#69  
 Pentachlorophenol  
 Concen: 62.43 ng  
 RT: 14.70 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 106798 |       |       |
| 268     | 64.6  |        | 51.1  | 76.7  |
| 264     | 66.4  |        | 51.7  | 77.5  |

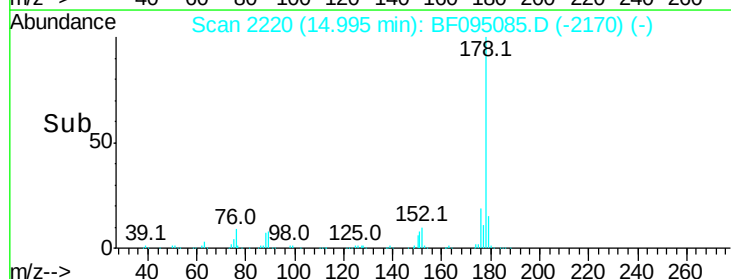
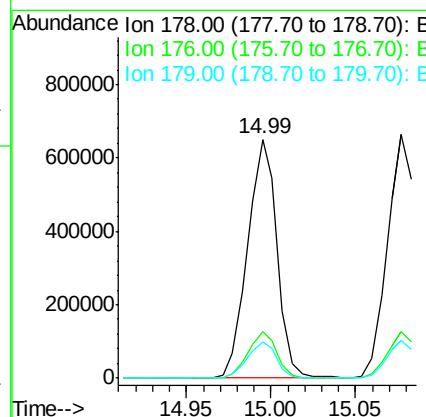
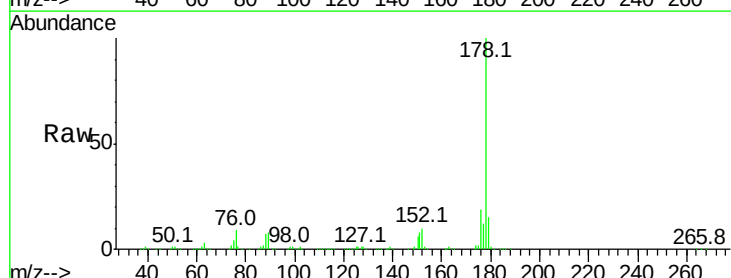
Manual Integrations  
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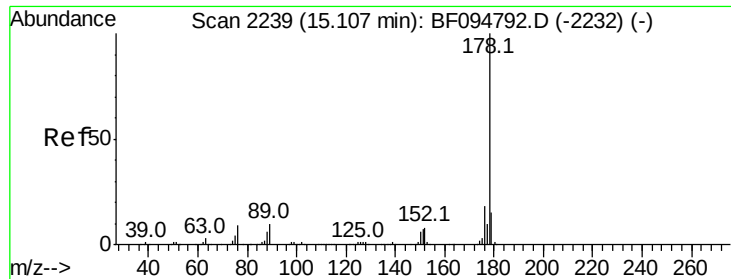
mohammad  
 5/12/2017 3:36:00 PM



#70  
 Phenanthrene  
 Concen: 38.46 ng  
 RT: 14.99 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 789901 |       |       |
| 176     | 19.3  |        | 16.2  | 24.4  |
| 179     | 15.4  |        | 12.6  | 19.0  |





#71

Anthracene

Concen: 39.65 ng

RT: 15.08 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

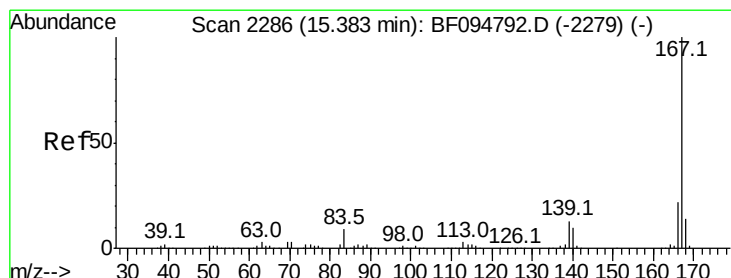
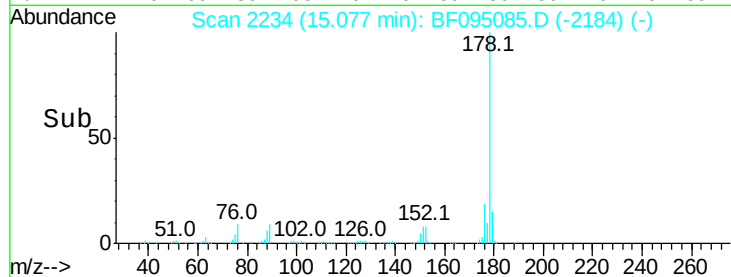
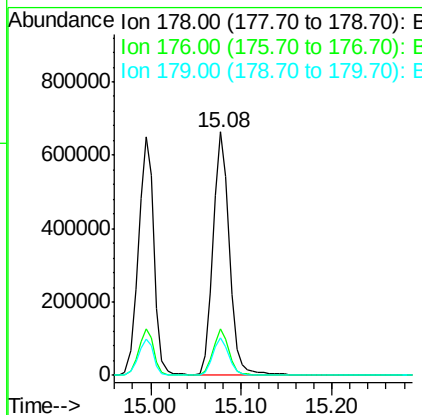
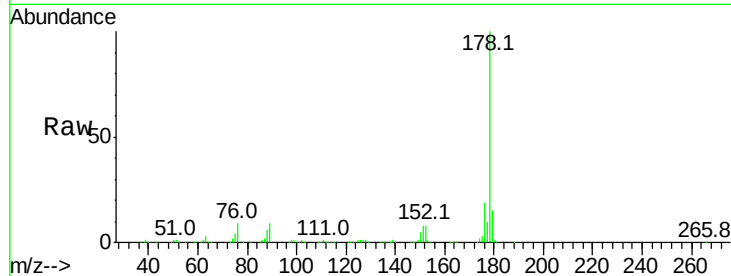
ClientSampleId :

PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.8  | 23.8  |
| 179     | 15.4  | 12.7  | 19.1  |

Manual Integrations  
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#72

Carbazole

Concen: 40.15 ng

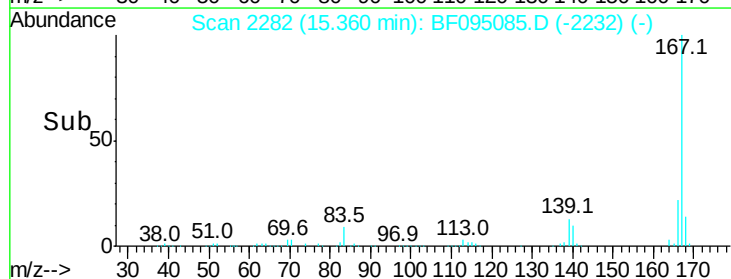
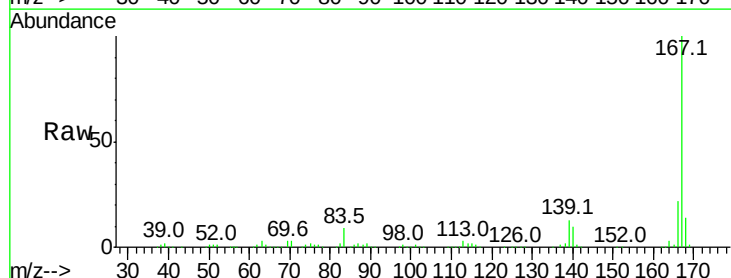
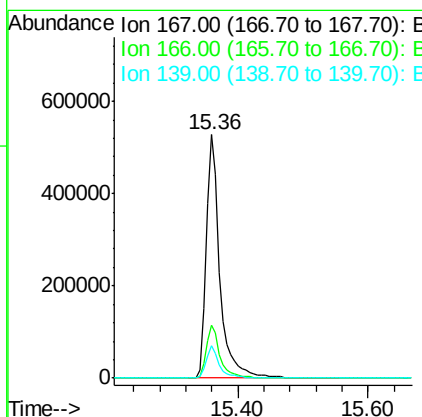
RT: 15.36 min Scan# 2282

Delta R.T. -0.01 min

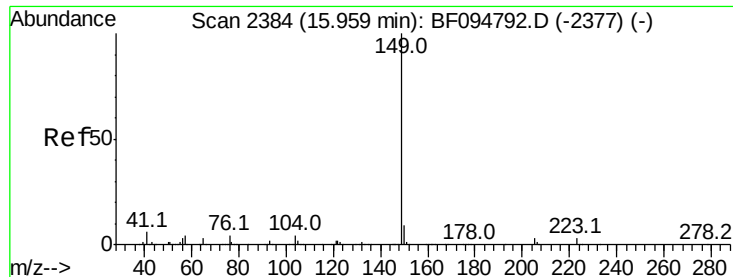
Lab File: BF095085.D

Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 18.1  | 27.1  |
| 139     | 13.1  | 11.7  | 17.5  |







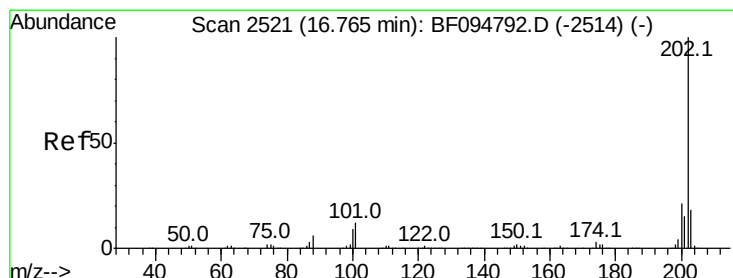
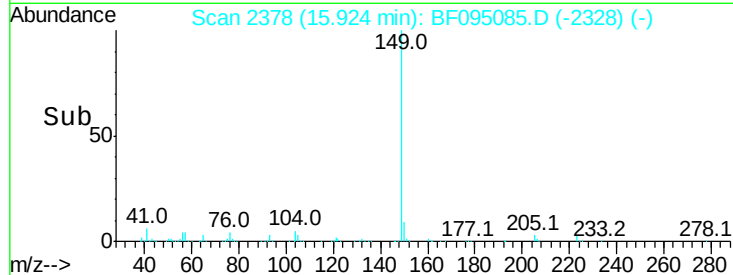
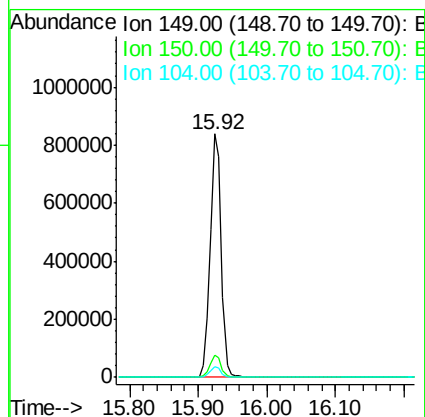
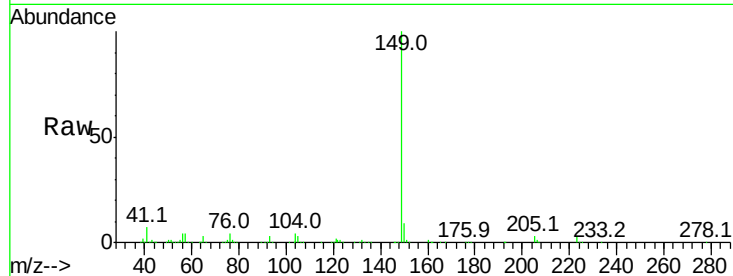
#73  
Di-n-butylphthalate  
Concen: 40.44 ng  
RT: 15.92 min Scan# 2378  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampled :  
PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 962584 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.7   | 11.5   |
| 104       | 4.5   | 4.0   | 6.0    |

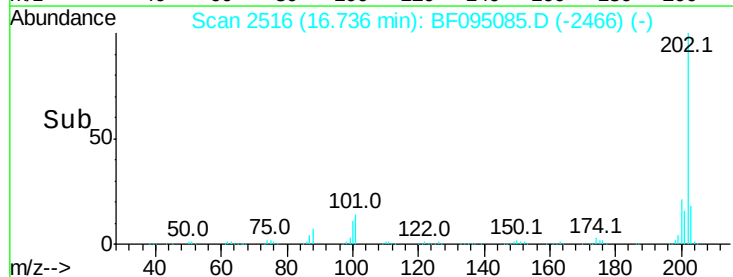
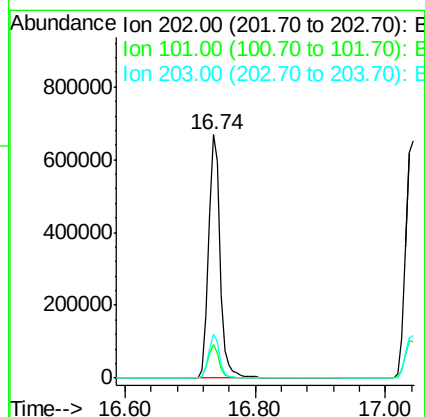
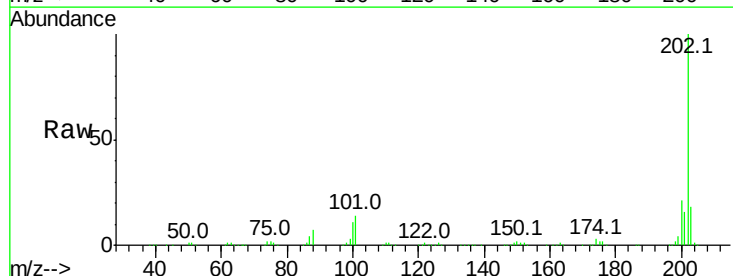
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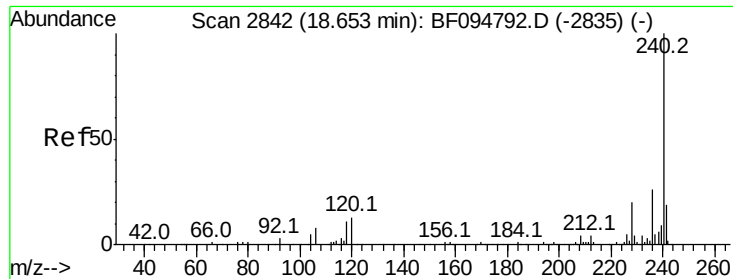
mohammad  
5/12/2017 3:36:00 PM



#74  
Fluoranthene  
Concen: 39.19 ng  
RT: 16.74 min Scan# 2516  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 825532 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.0  | 0.0   | 33.2   |
| 203       | 18.0  | 0.0   | 38.1   |





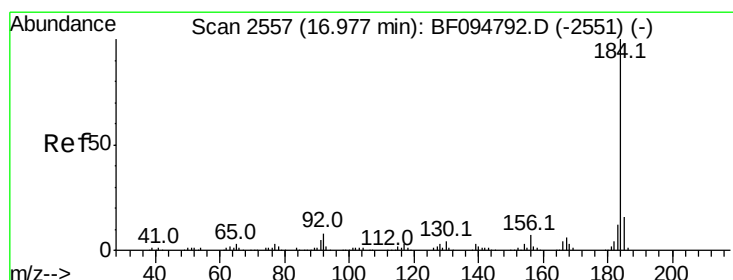
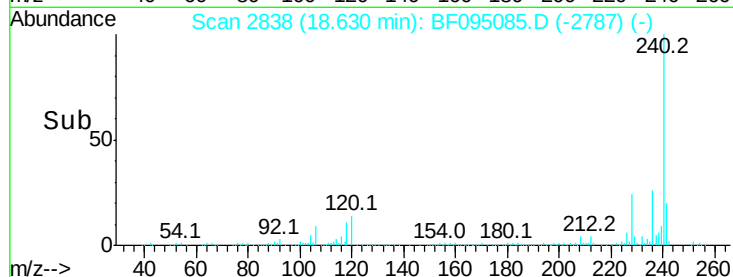
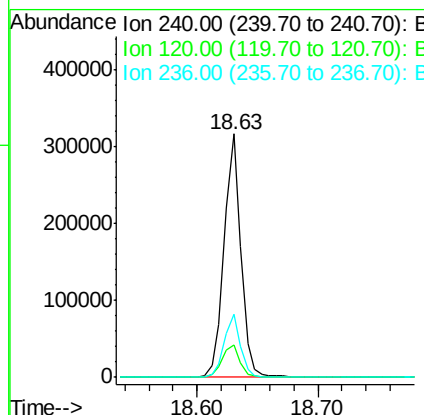
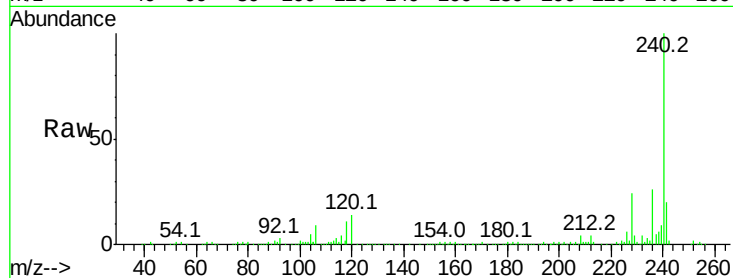
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.63 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.5  | 5.8   | 8.8#  |
| 236     | 25.7  | 20.5  | 30.7  |

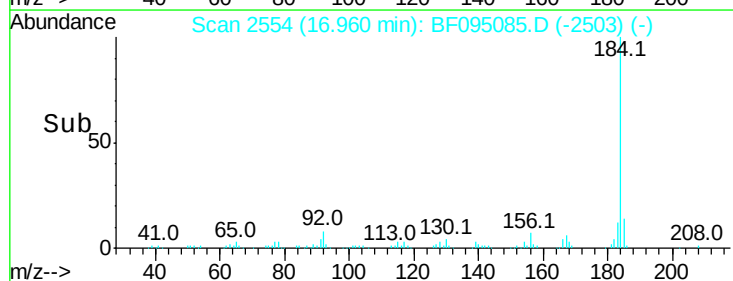
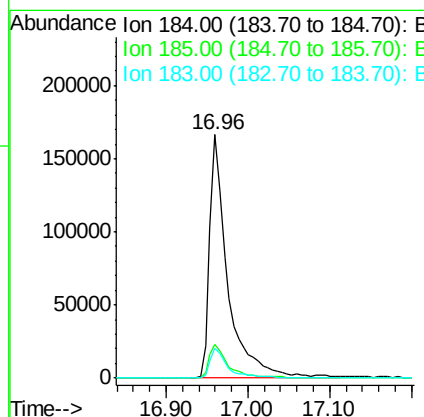
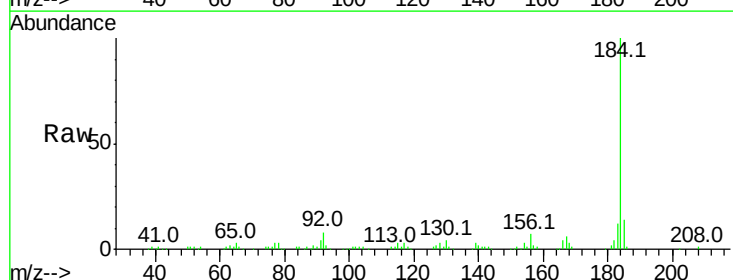
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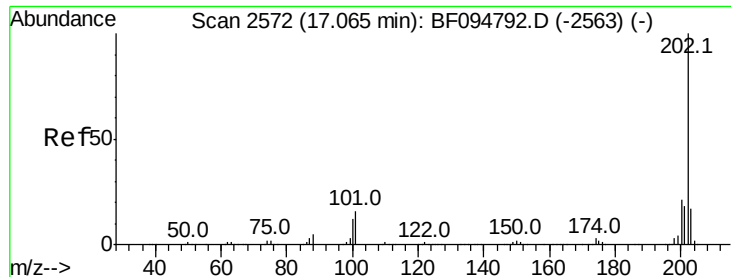
mohammad  
5/12/2017 3:36:00 PM



#76  
Benzidine  
Concen: 33.65 ng  
RT: 16.96 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 13.9  | 15.5  | 23.3# |
| 183     | 12.0  | 9.8   | 14.6  |





#77

Pvrene

Concen: 37.51 ng

RT: 17.04 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

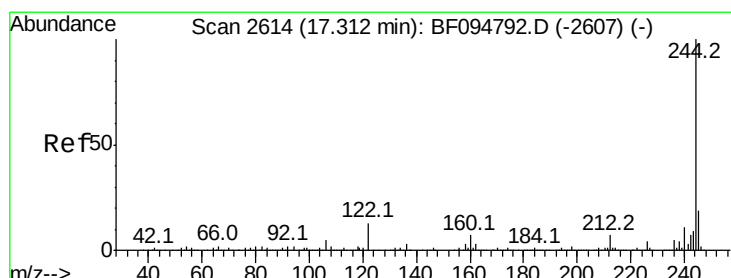
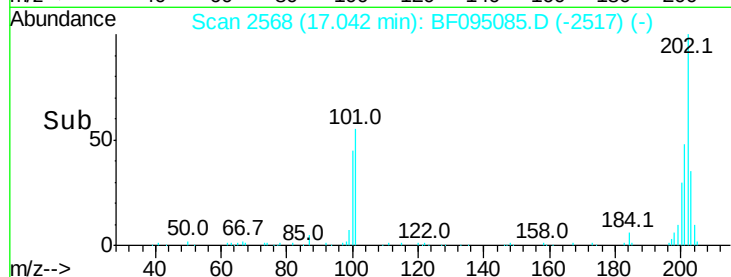
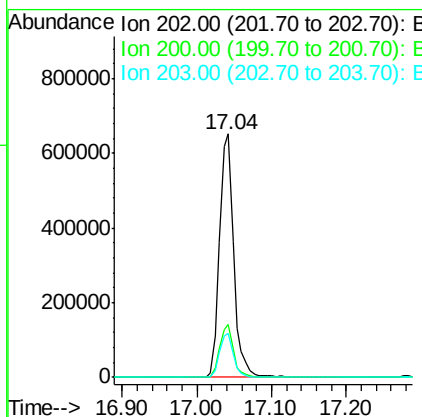
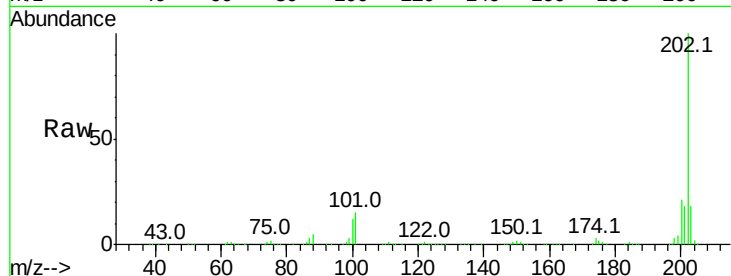
ClientSampled :

PB98865BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 200     | 21.5  | 17.6 | 26.4  |       |
| 203     | 18.2  | 14.4 | 21.6  |       |

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#78

Terphenyl-d14

Concen: 68.81 ng

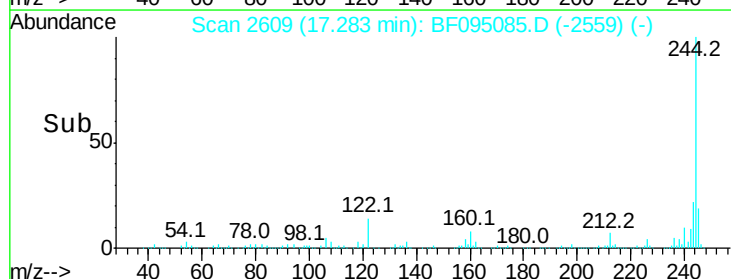
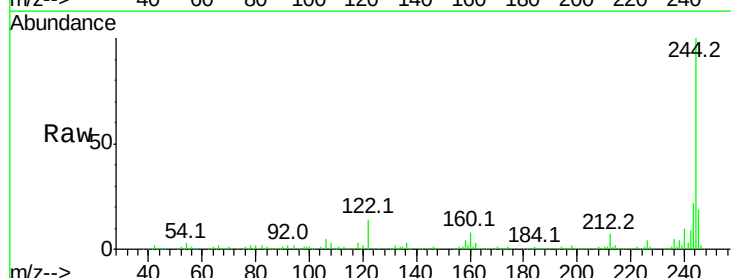
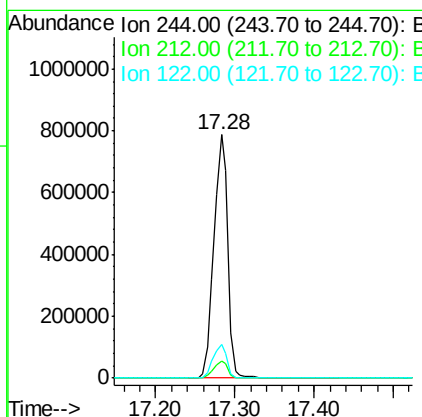
RT: 17.28 min Scan# 2609

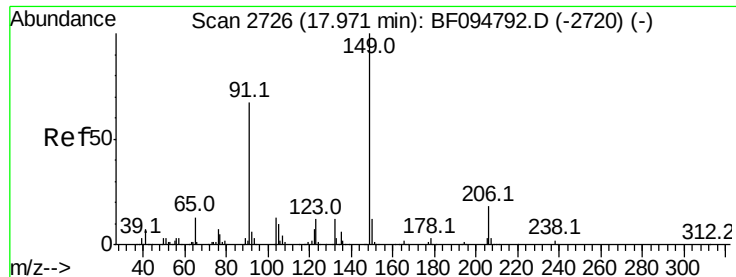
Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 7.1   | 6.0  | 9.0   |       |
| 122     | 14.1  | 10.3 | 15.5  |       |





#79

Butylbenzylphthalate

Concen: 36.54 ng

RT: 17.94 min Scan# 2721

Delta R.T. -0.01 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

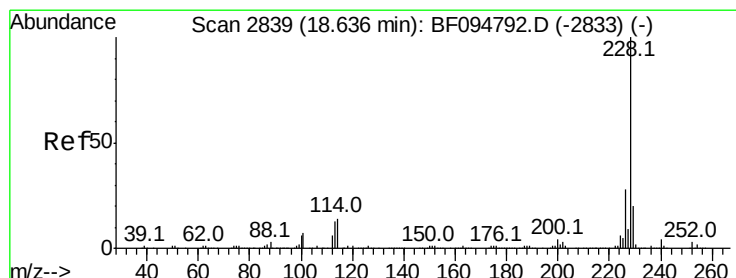
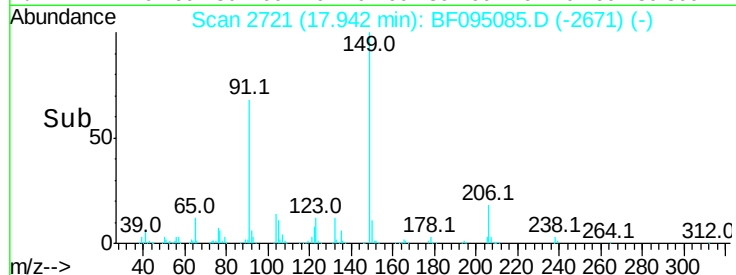
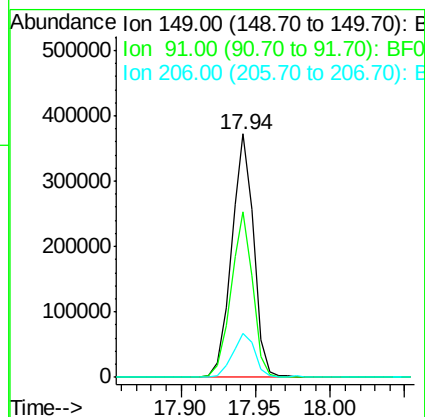
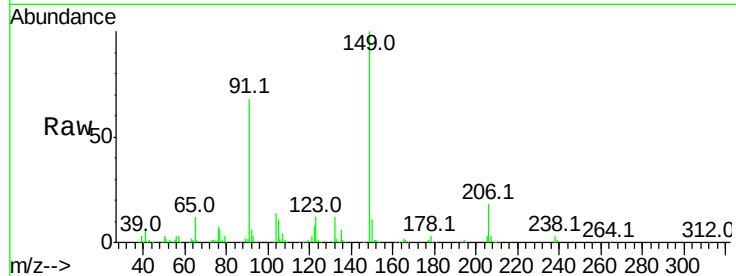
ClientSampleID :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 388187 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 68.1  | 45.0  | 67.4#  |
| 206       | 18.3  | 17.0  | 25.6   |

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#80

Benzo(a)anthracene

Concen: 37.97 ng

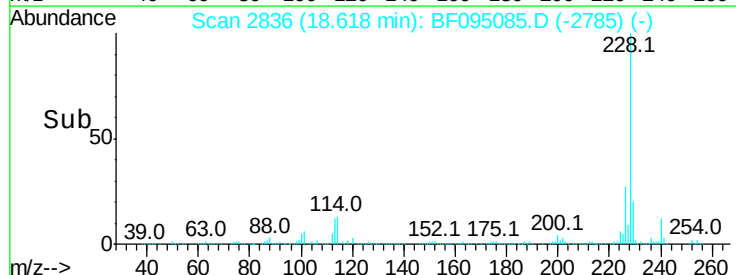
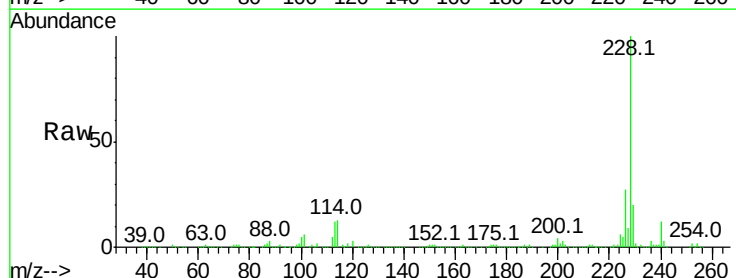
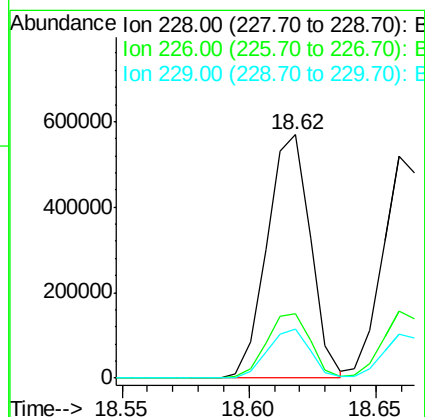
RT: 18.62 min Scan# 2836

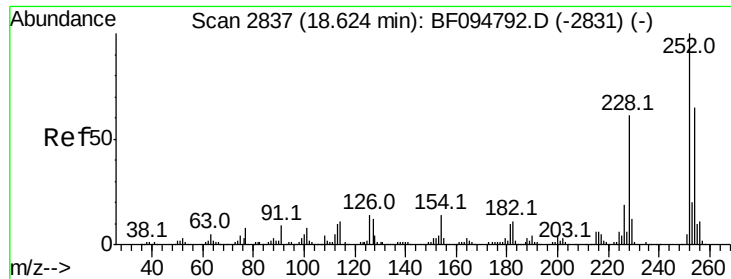
Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 674831 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 26.7  | 22.6  | 33.8   |
| 229       | 20.3  | 16.3  | 24.5   |





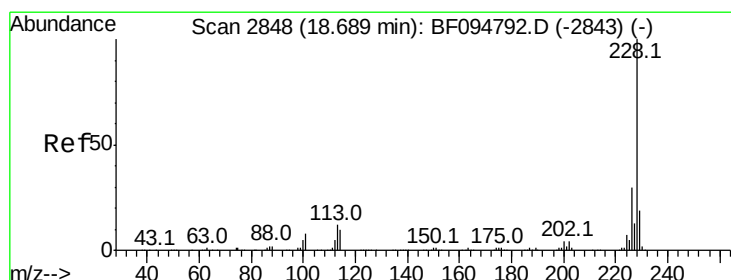
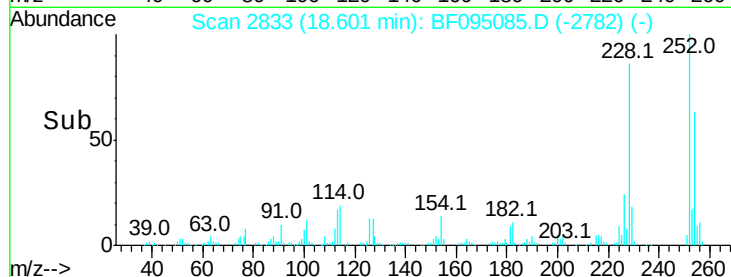
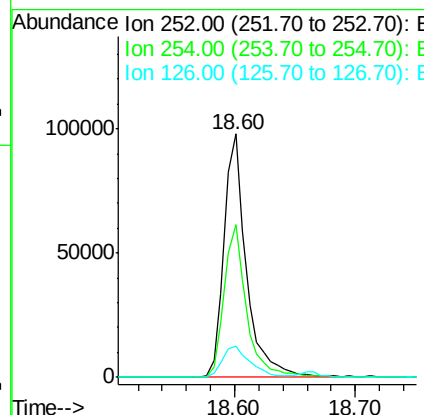
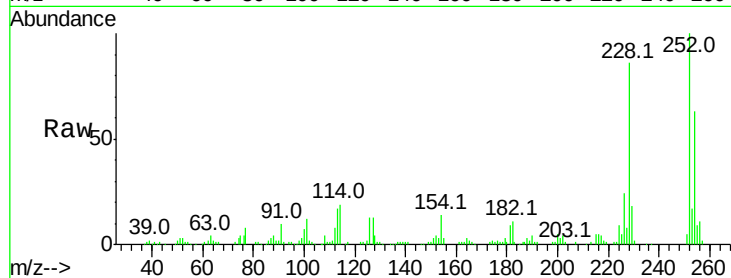
#81  
 3,3'-Dichlorobenzidine  
 Concen: 20.38 ng  
 RT: 18.60 min Scan# 2833  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB98865BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 62.7  | 51.5       | 77.3  |
| 126     | 12.8  | 15.8       | 23.8  |

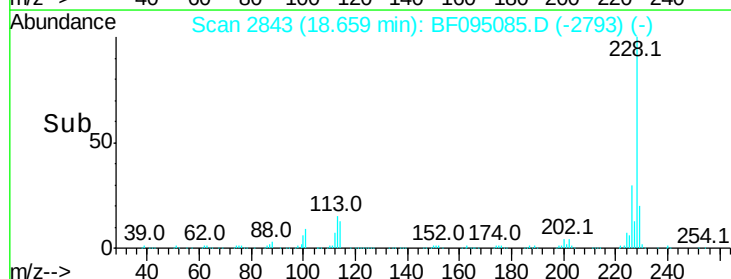
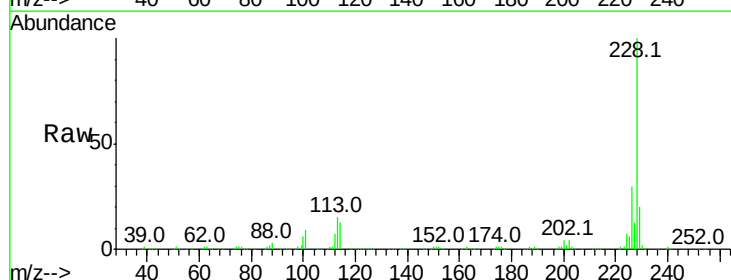
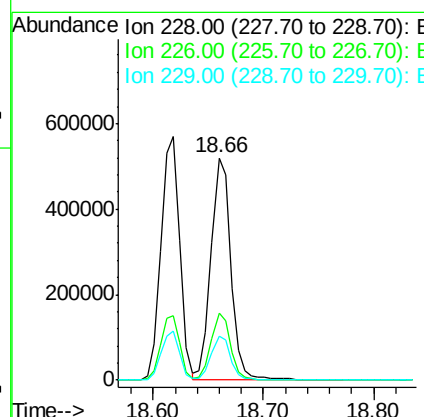
Manual Integrations  
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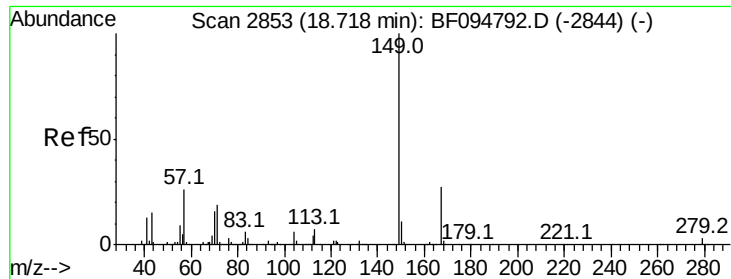
mohammad  
 5/12/2017 3:36:00 PM



#82  
 Chrysene  
 Concen: 37.01 ng  
 RT: 18.66 min Scan# 2843  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.3  | 24.9       | 37.3  |
| 229     | 19.7  | 15.8       | 23.6  |





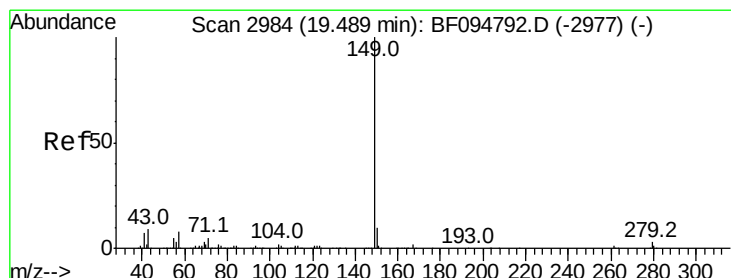
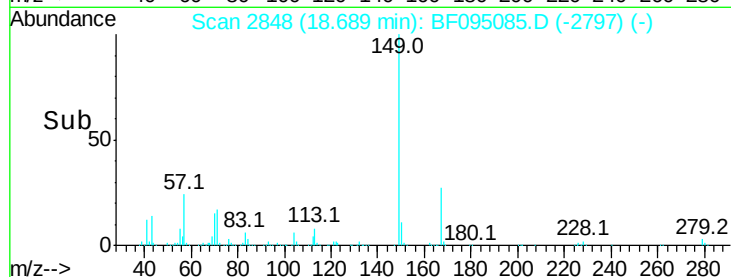
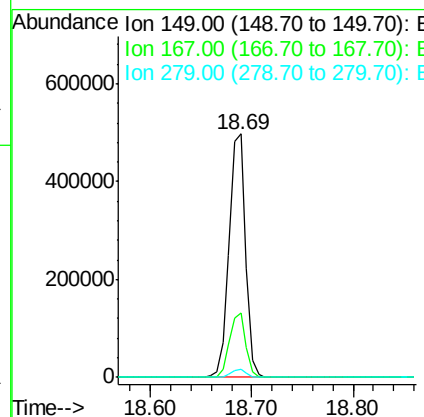
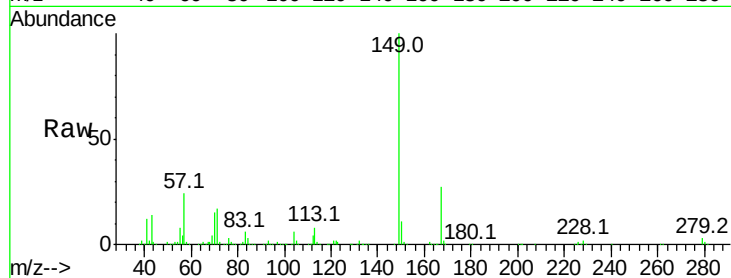
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 37.06 ng  
 RT: 18.69 min Scan# 2848  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 561019 |       |       |
| 167     | 26.7  | 21.0   | 31.4  |       |
| 279     | 3.2   | 1.9    | 2.9   |       |

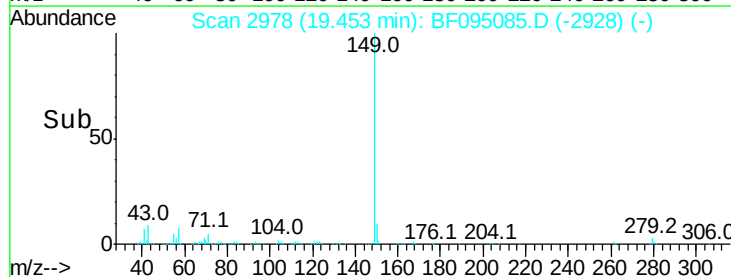
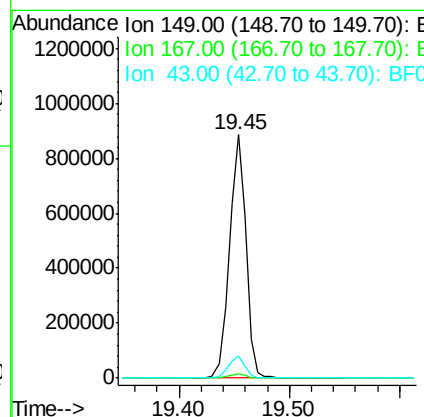
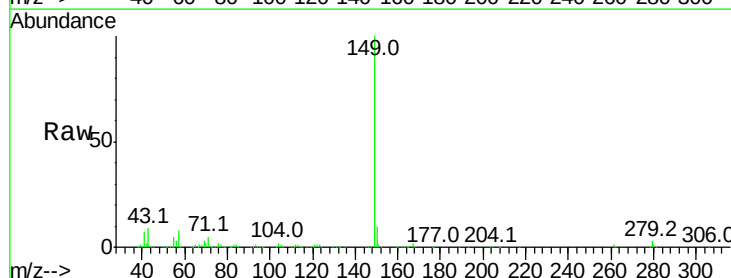
Manual Integrations  
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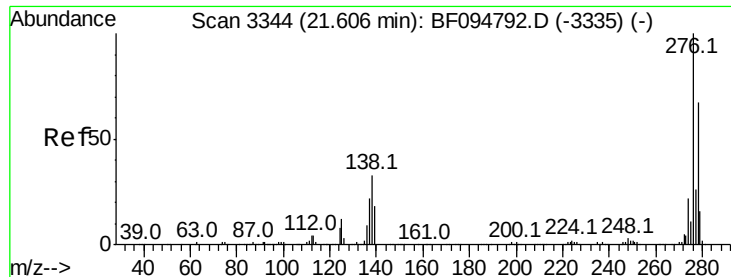
mohammad  
 5/12/2017 3:36:00 PM



#84  
 Di-n-octyl phthalate  
 Concen: 37.28 ng  
 RT: 19.45 min Scan# 2978  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 925024 |       |       |
| 167     | 1.6   | 1.2    | 1.8   |       |
| 43      | 8.7   | 8.5    | 12.7  |       |





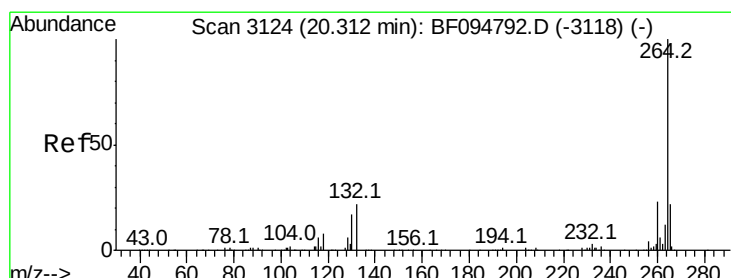
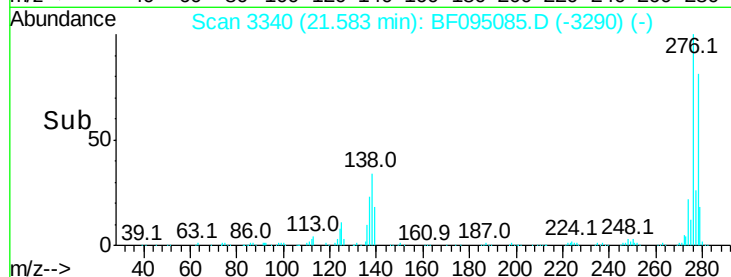
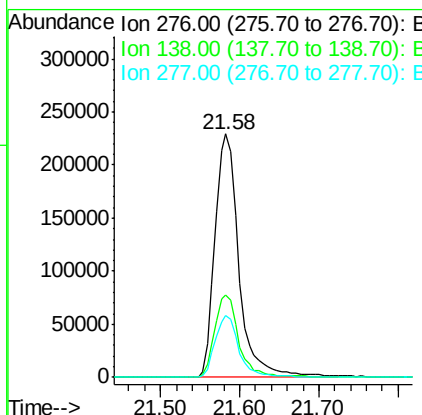
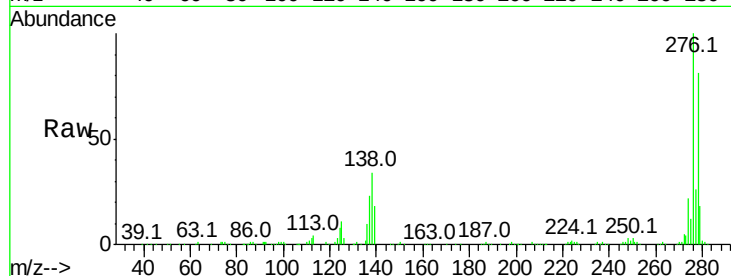
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 34.49 ng  
 RT: 21.58 min Scan# 3340  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.3  | 27.8  | 41.6  |
| 277     | 25.5  | 20.2  | 30.4  |

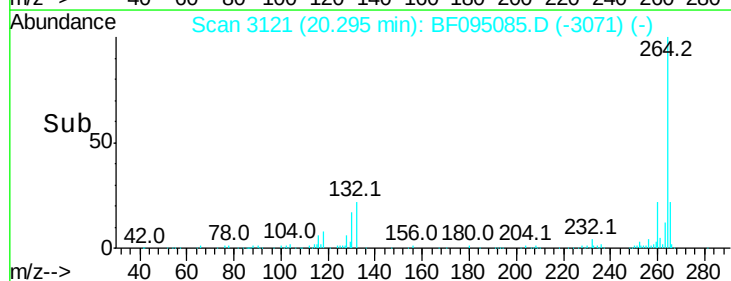
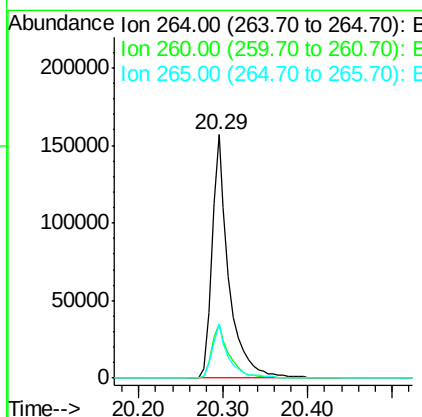
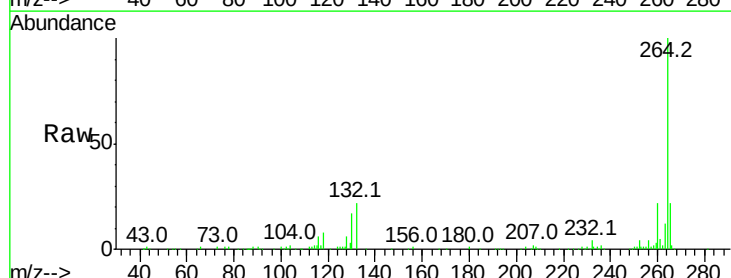
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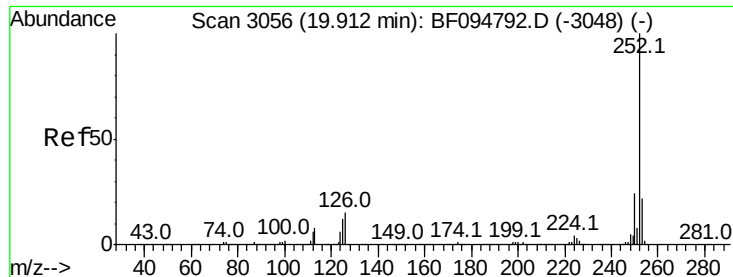
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.29 min Scan# 3121  
 Delta R.T. -0.01 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 19.5  | 29.3  |
| 265     | 22.1  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 41.27 ng

RT: 19.89 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BF095085.D

Acq: 11 May 2017 17:59

Instrument :

BNA\_F

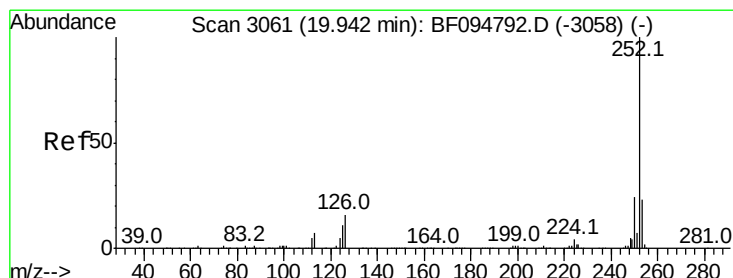
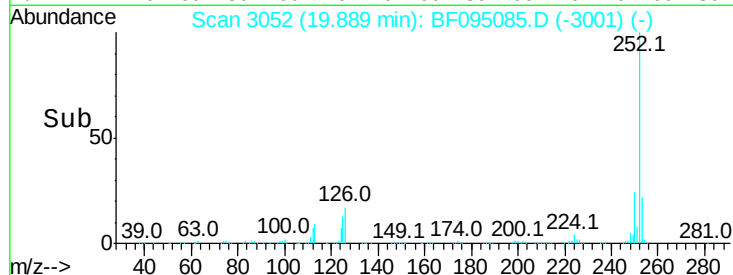
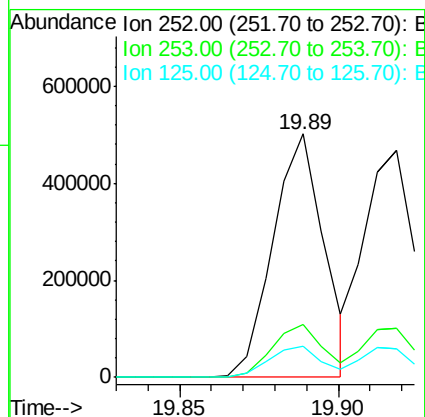
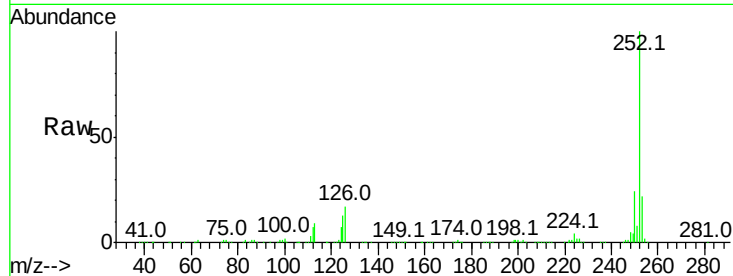
ClientSampleId :

PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 559269 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.9  | 18.1  | 27.1   |
| 125       | 12.9  | 9.8   | 14.8   |

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#88

Benzo(k)fluoranthene

Concen: 44.23 ng

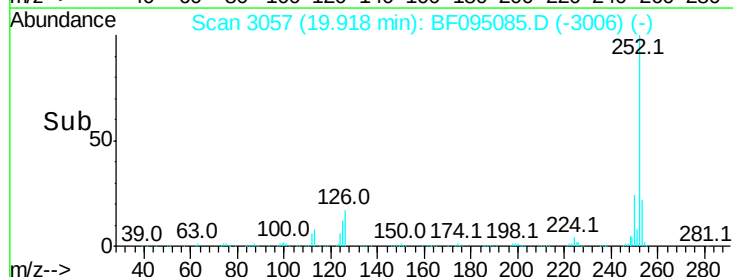
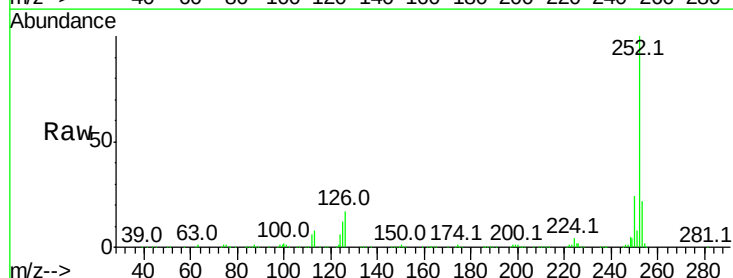
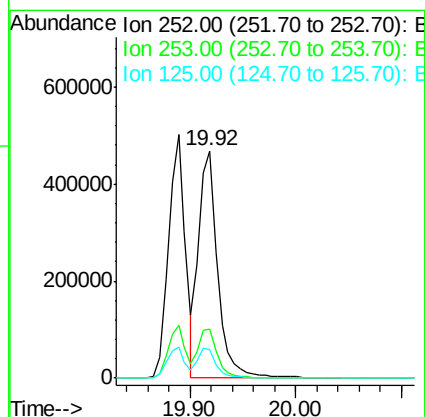
RT: 19.92 min Scan# 3057

Delta R.T. 0.00 min

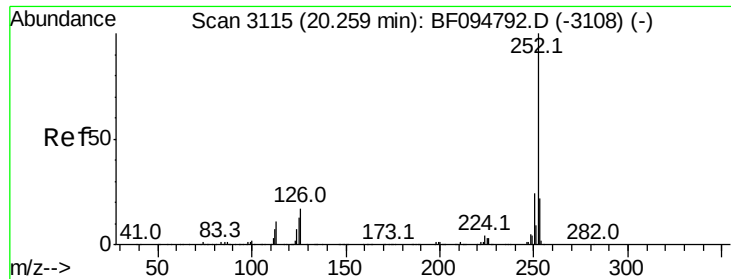
Lab File: BF095085.D

Acq: 11 May 2017 17:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 578155 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.5  | 18.4  | 27.6   |
| 125       | 12.4  | 13.1  | 19.7#  |







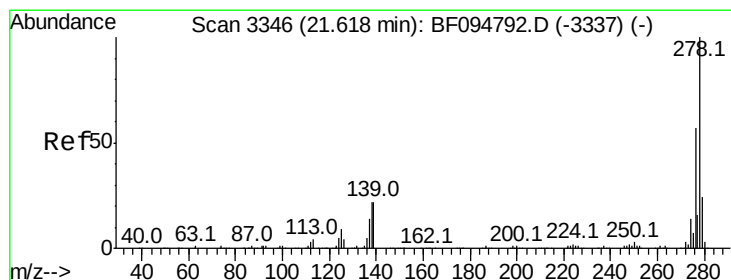
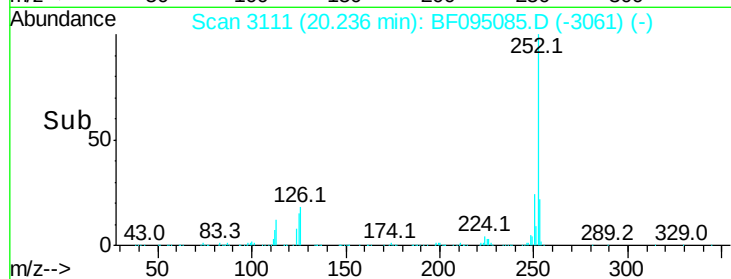
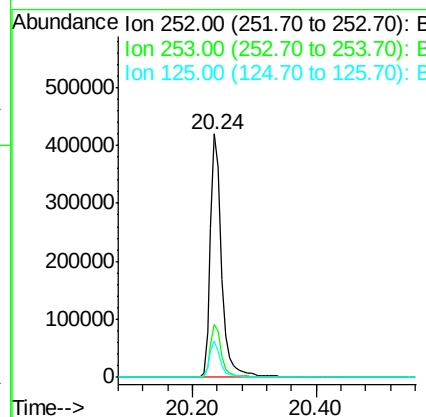
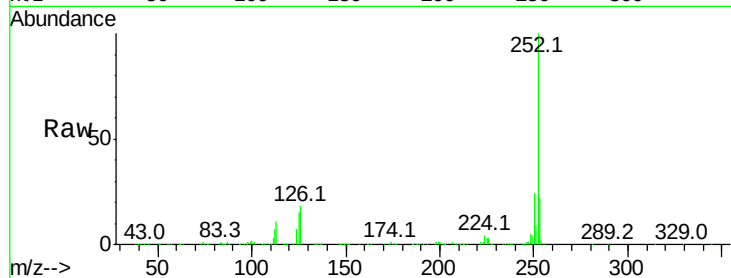
#89  
Benzo(a)pyrene  
Concen: 42.48 ng  
RT: 20.24 min Scan# 3111  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

Instrument :  
BNA\_F  
ClientSampled :  
PB98865BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.5  | 26.3  |
| 125     | 14.6  | 11.0  | 16.4  |

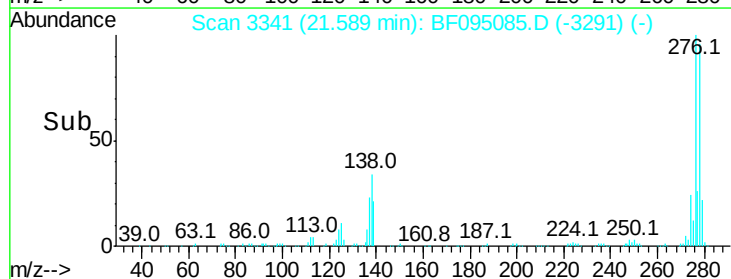
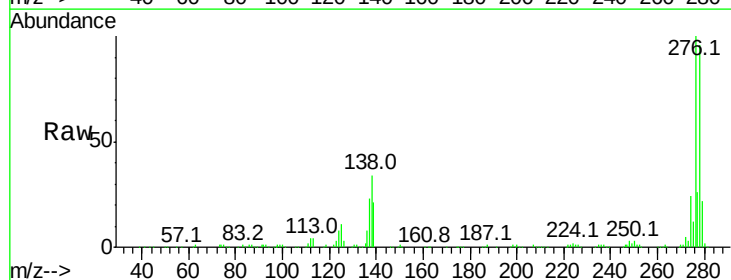
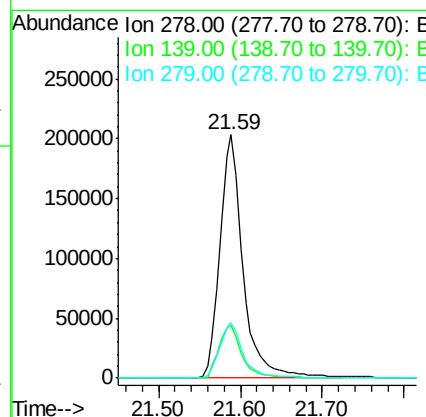
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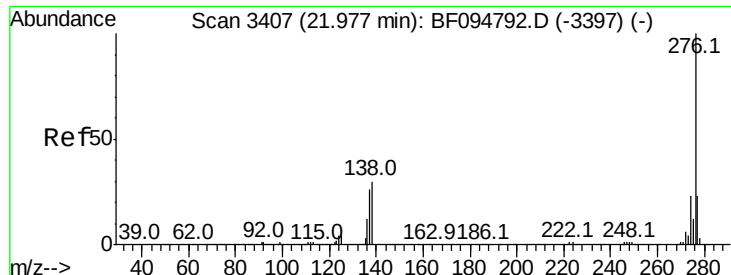
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#90  
Dibenzo(a,h)anthracene  
Concen: 38.97 ng  
RT: 21.59 min Scan# 3341  
Delta R.T. -0.01 min  
Lab File: BF095085.D  
Acq: 11 May 2017 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.9  | 16.6  | 24.8  |
| 279     | 23.0  | 19.3  | 28.9  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 39.24 ng  
 RT: 21.96 min Scan# 3404  
 Delta R.T. 0.00 min  
 Lab File: BF095085.D  
 Acq: 11 May 2017 17:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98865BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 397722 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 22.8  | 18.6  | 28.0   |
| 138       | 28.3  | 25.4  | 38.0   |

Manual Integrations  
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