

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
 Data File : BF094308.D  
 Acq On : 10 Apr 2017 13:54  
 Operator : SJ/MA  
 Sample : PB98131BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

Manual Integrations  
 APPROVED

mohammad  
 4/11/2017 12:53:01 PM

Quant Time: Apr 11 01:19:25 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.84  | 152  | 166351   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.35  | 136  | 670231   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.49  | 164  | 300575   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.31 | 188  | 511856   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.56 | 240  | 365930   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 16.18 | 264  | 254152   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 4.40  | 112 | 1195159 | 121.35 | ng | 0.02  |
| 7) Phenol-d6                | 5.49  | 99  | 1499913 | 123.10 | ng | 0.02  |
| 23) Nitrobenzene-d5         | 6.49  | 82  | 955454  | 81.35  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.47 | 330 | 330186  | 139.01 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 8.67  | 172 | 1725716 | 87.57  | ng | -0.02 |
| 78) Terphenyl-d14           | 13.29 | 244 | 1413340 | 86.57  | ng | -0.01 |

|                                |      |     |         |       |        |      |
|--------------------------------|------|-----|---------|-------|--------|------|
| Target Compounds               |      |     |         |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 2.22 | 88  | 139382  | 29.46 | ng     | 98   |
| 3) Pyridine                    | 2.71 | 79  | 431999  | 33.50 | ng     | 99   |
| 4) n-Nitrosodimethylamine      | 2.67 | 42  | 215236  | 40.56 | ng     | 92   |
| 6) Aniline                     | 5.47 | 93  | 468154  | 27.62 | ng     | 96   |
| 8) 2-Chlorophenol              | 5.62 | 128 | 471794  | 43.58 | ng     | 99   |
| 9) Benzaldehyde                | 5.33 | 77  | 105032  | 12.77 | ng     | 98   |
| 10) Phenol                     | 5.50 | 94  | 570467  | 41.14 | ng     | 90   |
| 11) bis(2-Chloroethyl)ether    | 5.55 | 93  | 456058  | 42.09 | ng     | 96   |
| 12) 1,3-Dichlorobenzene        | 5.77 | 146 | 503466  | 41.46 | ng     | 99   |
| 13) 1,4-Dichlorobenzene        | 5.86 | 146 | 511095  | 41.56 | ng     | 97   |
| 14) 1,2-Dichlorobenzene        | 6.03 | 146 | 463347  | 40.91 | ng     | 98   |
| 15) Benzyl Alcohol             | 6.02 | 79  | 369693  | 41.46 | ng     | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.17 | 45  | 602300  | 36.07 | ng     | 54   |
| 17) 2-Methylphenol             | 6.18 | 107 | 385134  | 41.54 | ng     | 94   |
| 18) Hexachloroethane           | 6.43 | 117 | 180449  | 41.74 | ng     | # 86 |
| 19) n-Nitroso-di-n-propylamine | 6.33 | 70  | 345728  | 44.15 | ng     | 96   |
| 20) 3+4-Methylphenols          | 6.36 | 107 | 538342  | 47.94 | ng     | # 62 |
| 22) Acetophenone               | 6.32 | 105 | 663941  | 44.45 | ng     | # 87 |
| 24) Nitrobenzene               | 6.52 | 77  | 481839  | 41.60 | ng     | 95   |
| 25) Isophorone                 | 6.80 | 82  | 866078  | 41.97 | ng     | 95   |
| 26) 2-Nitrophenol              | 6.89 | 139 | 269769  | 48.84 | ng     | 97   |
| 27) 2,4-Dimethylphenol         | 6.97 | 122 | 434182  | 45.62 | ng     | 98   |
| 28) bis(2-Chloroethoxy)methane | 7.06 | 93  | 567234  | 41.68 | ng     | 99   |
| 29) 2,4-Dichlorophenol         | 7.20 | 162 | 407574  | 45.80 | ng     | 100  |
| 30) 1,2,4-Trichlorobenzene     | 7.28 | 180 | 400870  | 43.74 | ng     | 99   |
| 31) Naphthalene                | 7.37 | 128 | 1337150 | 41.49 | ng     | 99   |
| 32) Benzoic acid               | 7.16 | 122 | 231394  | 36.52 | ng     | 96   |
| 33) 4-Chloroaniline            | 7.45 | 127 | 312117  | 23.90 | ng     | # 93 |
| 34) Hexachlorobutadiene        | 7.52 | 225 | 199769  | 42.50 | ng     | 97   |
| 35) Caprolactam                | 7.89 | 113 | 131671m | 46.40 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 8.09 | 107 | 426683  | 45.89 | ng     | 92   |
| 37) 2-Methylnaphthalene        | 8.22 | 142 | 934250  | 43.49 | ng     | 99   |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.42 | 216 | 347985  | 42.32 | ng     | 99   |
| 40) Hexachlorocyclopentadiene  | 8.41 | 237 | 342424  | 88.99 | ng     | 99   |

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Manual Integrations  
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 4/11/2017 12:53:01 PM

Quant Time: Apr 11 01:19:25 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.58  | 196  | 278144   | 47.81 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 8.64  | 196  | 277483   | 44.08 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 8.79  | 154  | 1034144  | 42.66 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 8.81  | 162  | 821594   | 43.29 | nq    | 94       |
| 47) 2-Nitroaniline             | 8.94  | 65   | 250373   | 44.47 | nq    | 86       |
| 48) Acenaphthylene             | 9.32  | 152  | 1292914  | 40.99 | nq    | 99       |
| 49) Dimethylphthalate          | 9.18  | 163  | 995474   | 46.59 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.25  | 165  | 225012   | 45.94 | nq    | # 89     |
| 51) Acenaphthene               | 9.53  | 154  | 776235   | 42.18 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.45  | 138  | 158867   | 27.62 | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 9.59  | 184  | 193008   | 74.01 | nq    | # 72     |
| 54) Dibenzofuran               | 9.74  | 168  | 1082980  | 43.23 | nq    | 97       |
| 55) 4-Nitrophenol              | 9.73  | 139  | 434011m  | 96.36 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 9.74  | 165  | 258066   | 41.94 | nq    | # 61     |
| 57) Fluorene                   | 10.16 | 166  | 845764   | 40.71 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.91  | 232  | 199610   | 46.22 | nq    | 98       |
| 59) Diethylphthalate           | 10.05 | 149  | 959166   | 45.42 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.17 | 204  | 363705   | 41.09 | nq    | 92       |
| 61) 4-Nitroaniline             | 10.21 | 138  | 228758   | 41.45 | nq    | 96       |
| 62) Azobenzene                 | 10.36 | 77   | 923770   | 46.24 | nq    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 10.25 | 198  | 141174   | 45.04 | nq    | # 66     |
| 65) n-Nitrosodiphenylamine     | 10.32 | 169  | 807230   | 45.60 | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 10.77 | 248  | 232911   | 46.27 | nq    | 95       |
| 67) Hexachlorobenzene          | 10.84 | 284  | 236750   | 46.46 | nq    | # 89     |
| 68) Atrazine                   | 11.00 | 200  | 206239   | 38.90 | nq    | 98       |
| 69) Pentachlorophenol          | 11.10 | 266  | 198868   | 62.70 | nq    | 98       |
| 70) Phenanthrene               | 11.34 | 178  | 1250762  | 43.93 | nq    | 99       |
| 71) Anthracene                 | 11.40 | 178  | 1297242  | 44.25 | nq    | 99       |
| 72) Carbazole                  | 11.61 | 167  | 1200793  | 39.94 | nq    | 98       |
| 73) Di-n-butylphthalate        | 12.06 | 149  | 1466270  | 46.90 | nq    | 99       |
| 74) Fluoranthene               | 12.80 | 202  | 1263201  | 43.33 | nq    | 99       |
| 76) Benzidine                  | 12.97 | 184  | 384917   | 26.58 | nq    | # 93     |
| 77) Pyrene                     | 13.08 | 202  | 1271318  | 47.87 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.89 | 149  | 593521   | 52.45 | nq    | # 84     |
| 80) Benzo(a)anthracene         | 14.55 | 228  | 969415   | 45.43 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.52 | 252  | 240612   | 31.55 | nq    | # 97     |
| 82) Chrysene                   | 14.59 | 228  | 852769   | 43.06 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.61 | 149  | 794370   | 51.46 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 15.36 | 149  | 1251670  | 48.53 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.51 | 276  | 734399   | 42.82 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.79 | 252  | 737295   | 47.33 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 15.82 | 252  | 675716   | 44.33 | nq    | # 95     |
| 89) Benzo(a)pyrene             | 16.13 | 252  | 656381   | 45.75 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.53 | 278  | 611649   | 50.34 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 17.90 | 276  | 633421   | 51.73 | nq    | 99       |

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

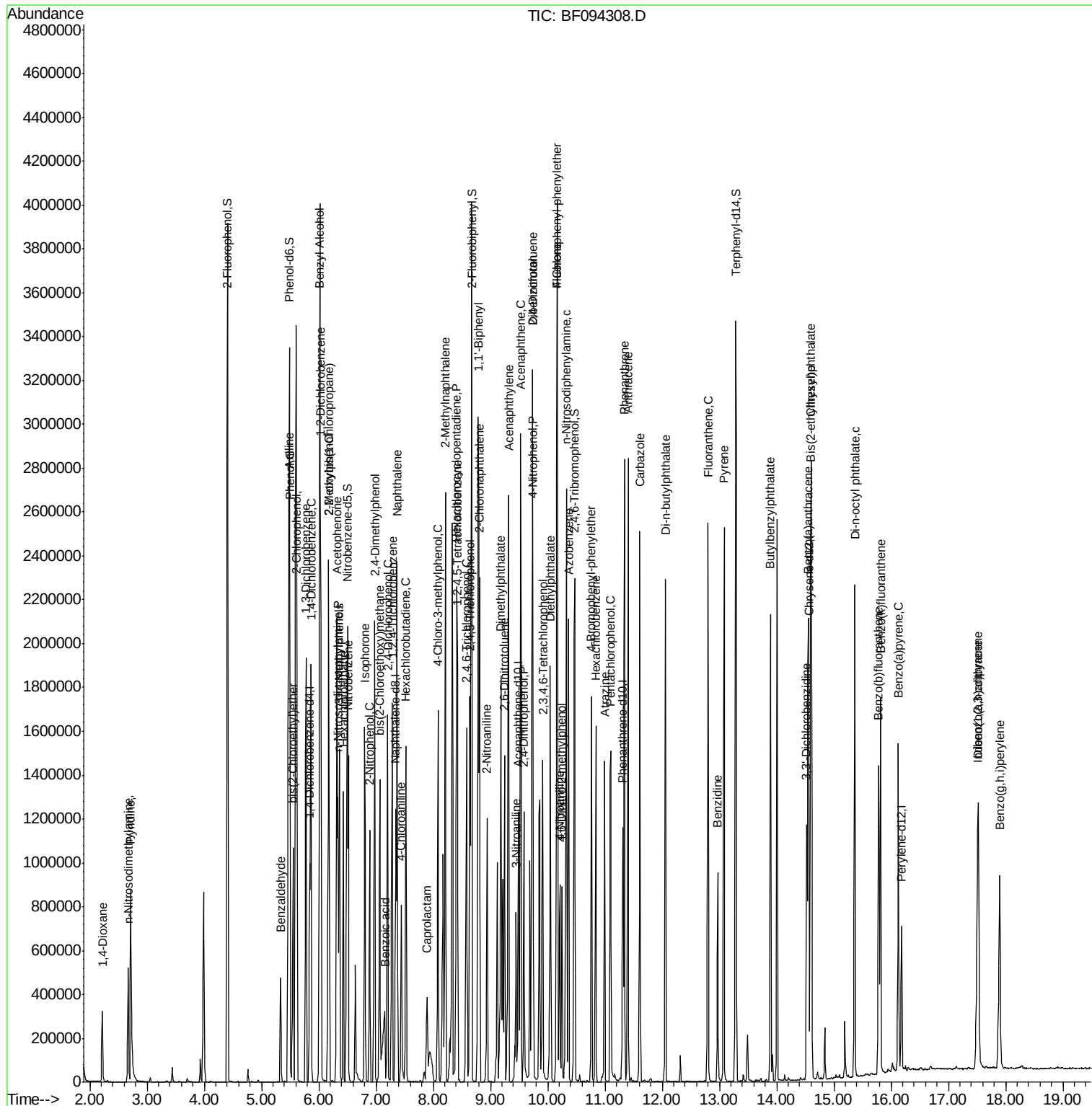
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\  
Data File : BF094308.D  
Acq On    : 10 Apr 2017  13:54  
Operator  : SJ/MA  
Sample    : PB98131BS  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
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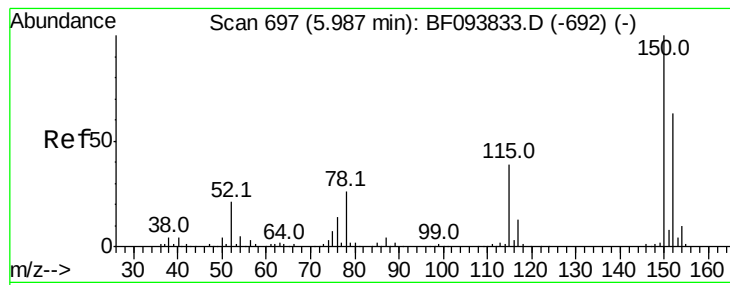
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB98131BS

## Manual Integrations APPROVED

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4/11/2017 12:53:01 PM

Quant Time: Apr 11 01:19:25 2017  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 06 13:20:29 2017  
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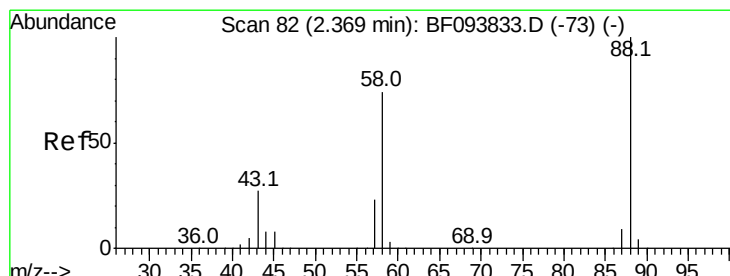
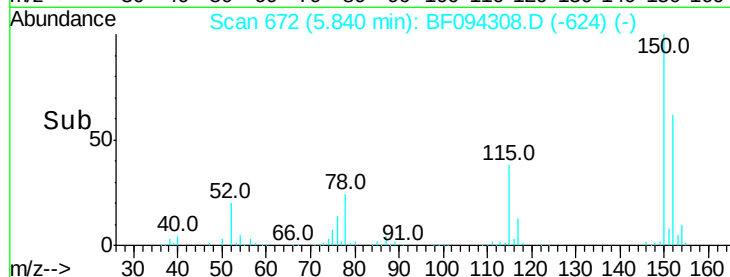
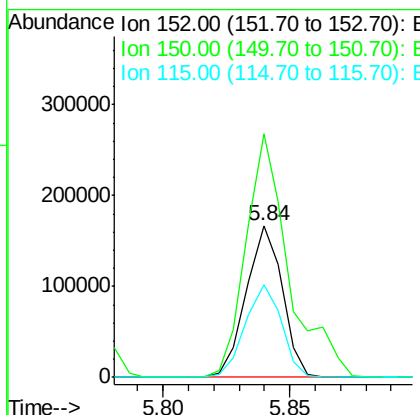
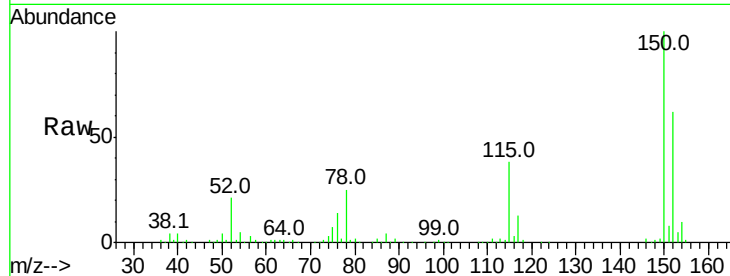
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 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.84 min Scan# 672  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.1 | 126.2 | 189.2 |
| 115     | 60.5  | 52.2  | 78.2  |

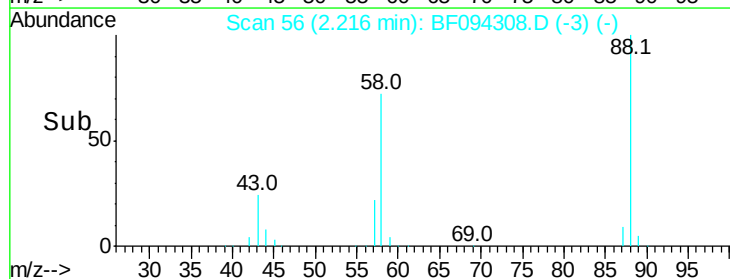
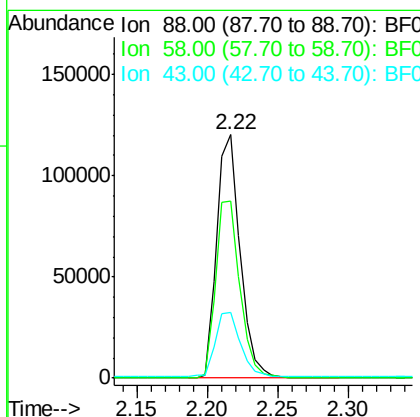
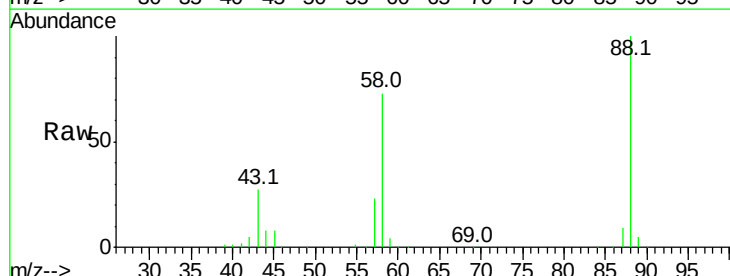
Manual Integrations  
 APPROVED

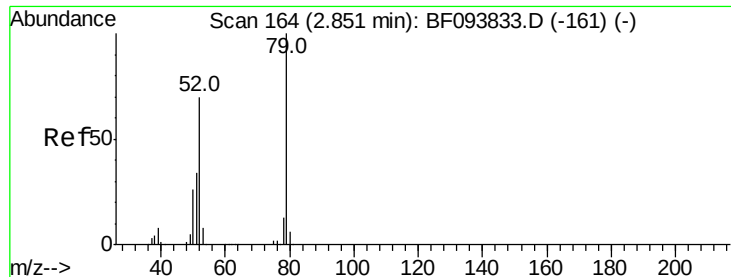
mohammad  
 4/11/2017 12:53:01 PM



#2  
 1,4-Dioxane  
 Concen: 29.46 ng  
 RT: 2.22 min Scan# 56  
 Delta R.T. 0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 75.0  | 61.4  | 92.0  |
| 43      | 28.3  | 23.4  | 35.0  |





#3

Pvridine

Concen: 33.50 ng

RT: 2.71 min Scan# 140

Delta R.T. 0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

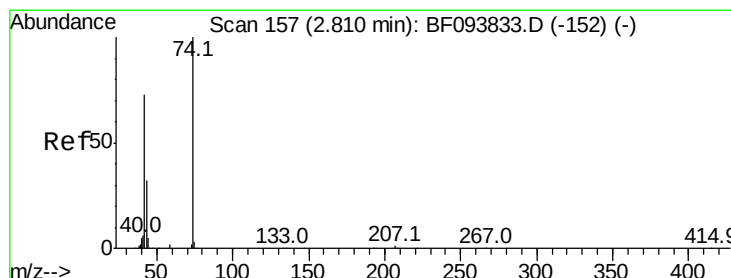
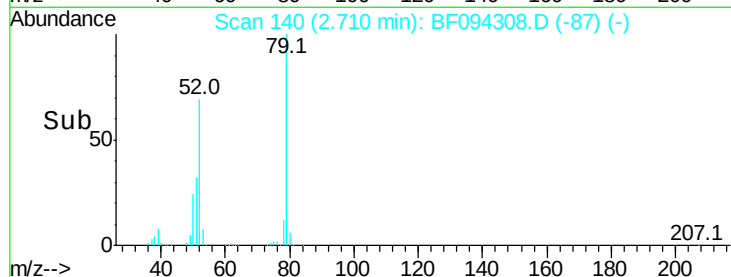
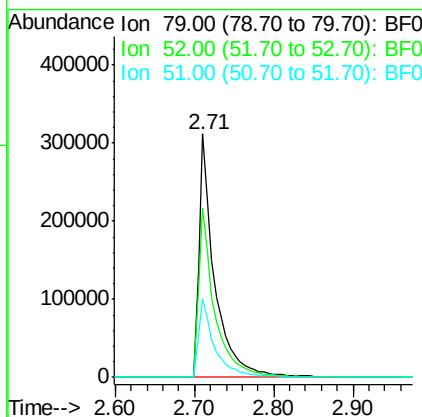
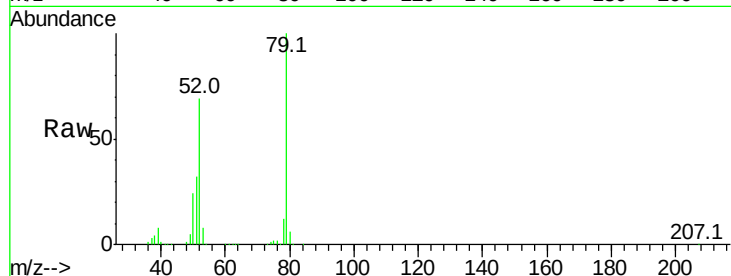
ClientSampleId :

PB98131BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 431999 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 69.4  | 54.8  | 82.2   |
| 51       | 32.5  | 27.0  | 40.4   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 40.56 ng

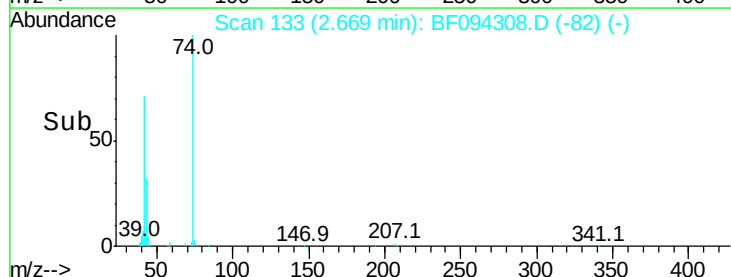
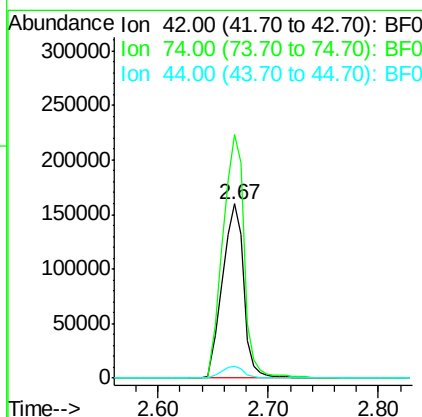
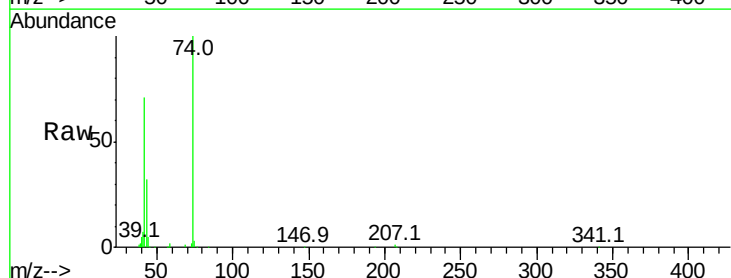
RT: 2.67 min Scan# 133

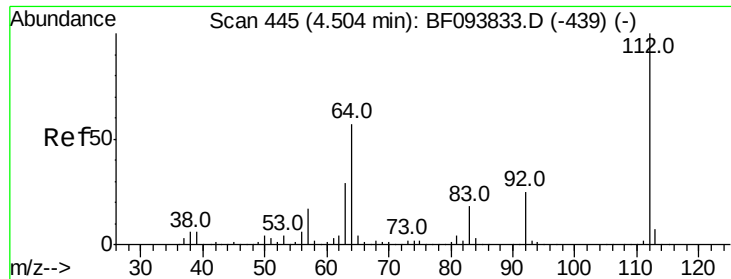
Delta R.T. -0.00 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 215236 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 140.0 | 103.9 | 155.9  |
| 44       | 6.6   | 5.7   | 8.5    |





#5

2-Fluorophenol

Concen: 121.35 ng

RT: 4.40 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleId :

PB98131BS

Tot Ion:112 Resp: 1195159

Ion Ratio Lower Upper

112 100

64 58.4 46.0 69.0

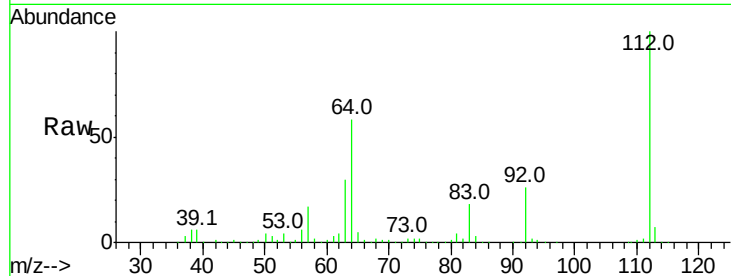
63 29.6 23.4 35.0

Manual Integrations

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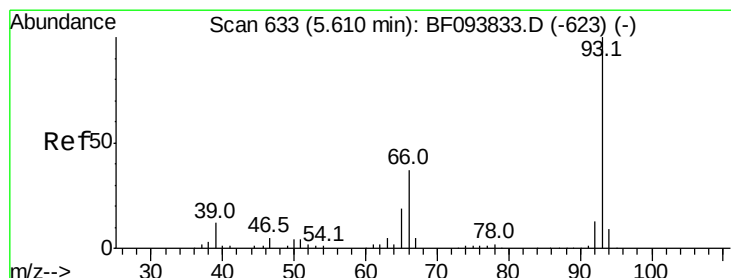
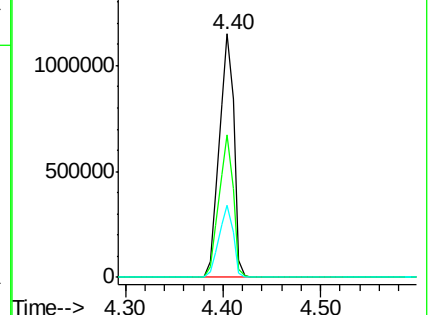
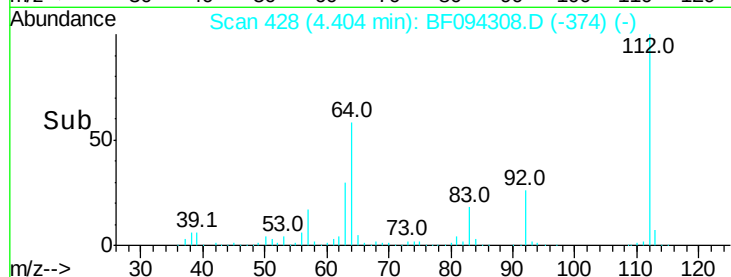
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 27.62 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

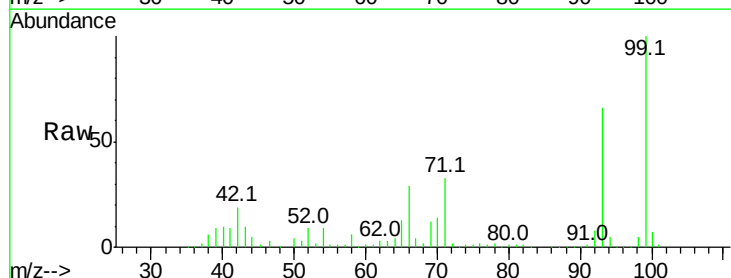
Tgt Ion: 93 Resp: 468154

Ion Ratio Lower Upper

93 100

66 44.6 32.9 49.3

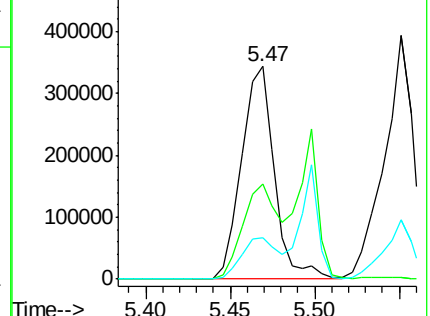
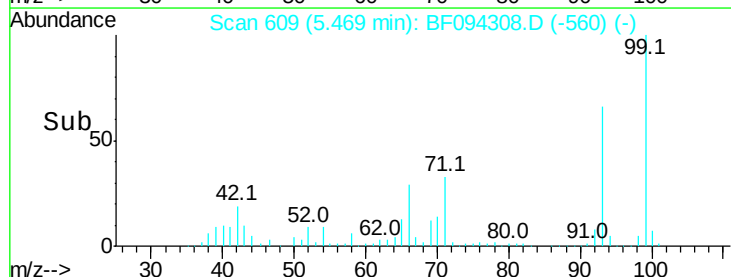
65 19.6 16.0 24.0

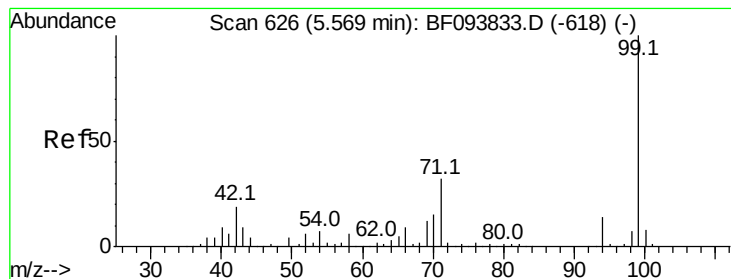


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.10 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleId :

PB98131BS

Tot Ion: 99 Resp: 1499913

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

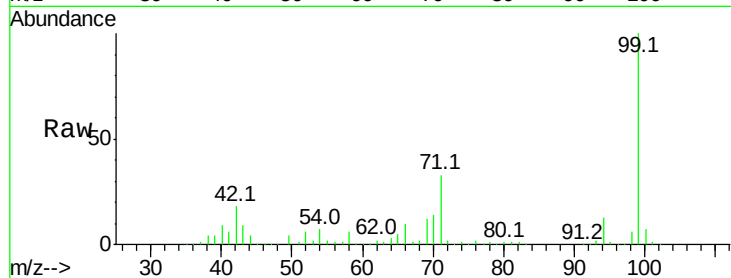
71 33.3 24.5 36.7

Manual Integrations

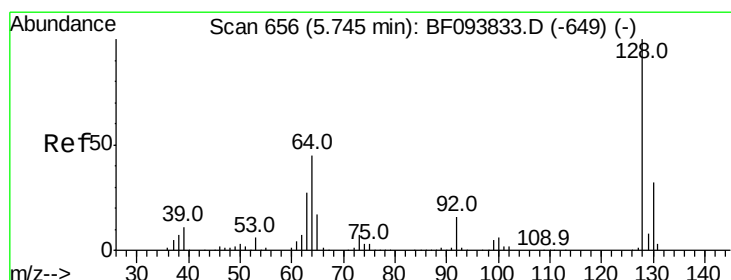
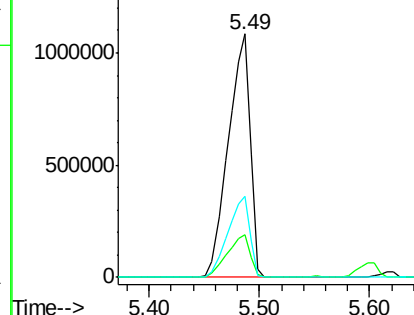
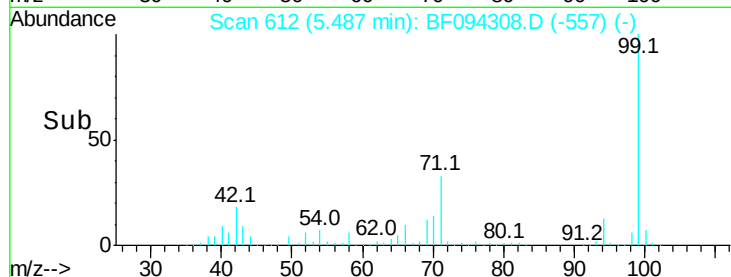
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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.58 ng

RT: 5.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

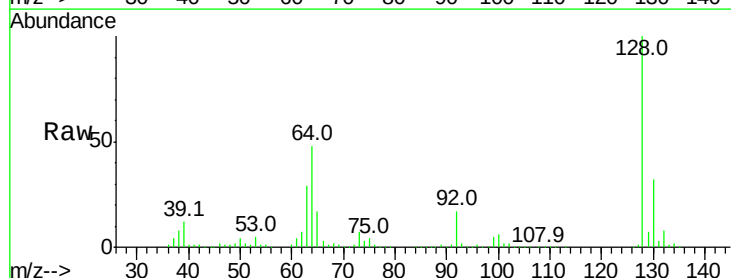
Tgt Ion:128 Resp: 471794

Ion Ratio Lower Upper

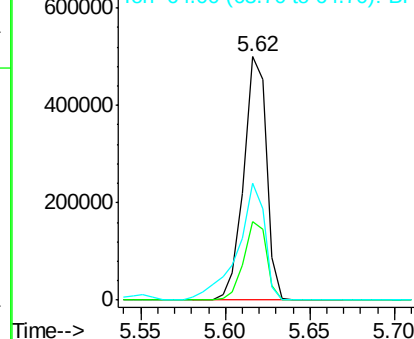
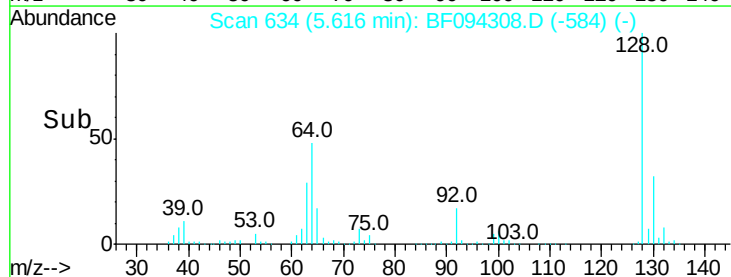
128 100

130 32.3 12.9 52.9

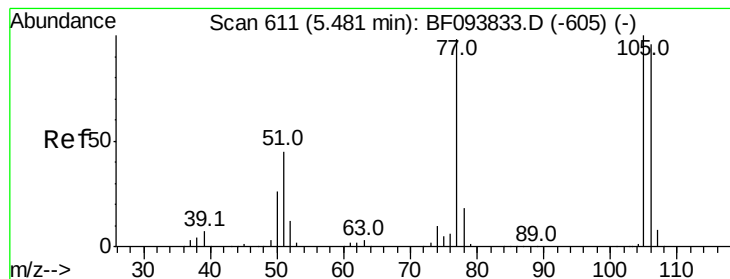
64 48.1 28.4 68.4



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: 12.77 ng

RT: 5.33 min Scan# 586

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

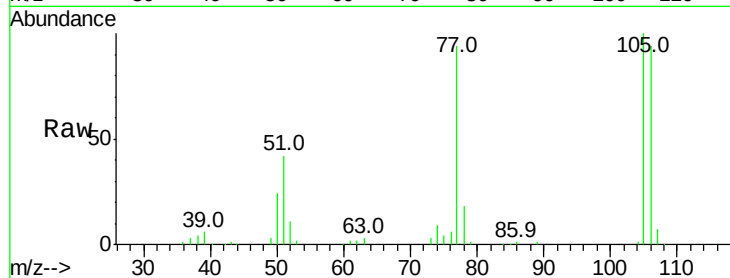
ClientSampleId :

PB98131BS

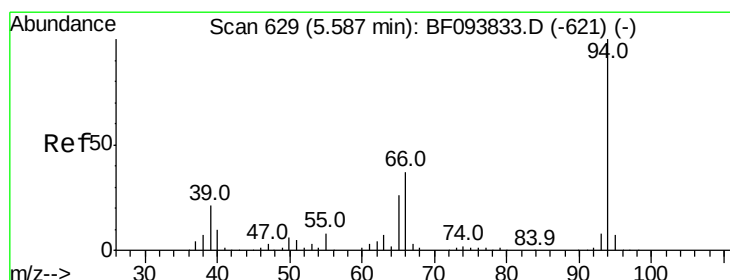
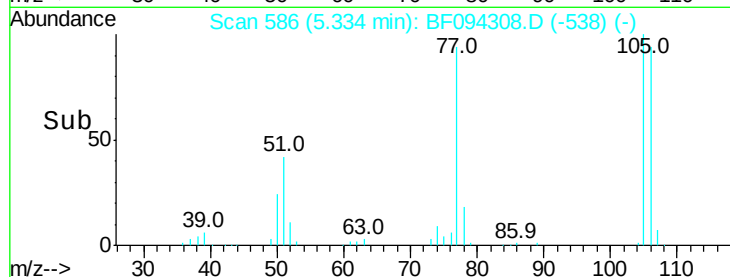
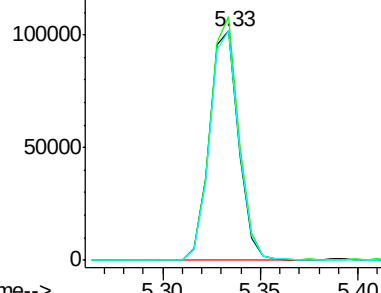
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 105032 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 106.2 | 83.8  | 123.8  |
| 106      | 100.2 | 79.1  | 119.1  |

Manual Integrations  
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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: 41.14 ng

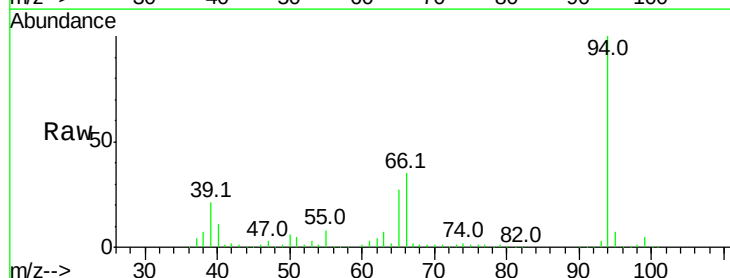
RT: 5.50 min Scan# 614

Delta R.T. 0.02 min

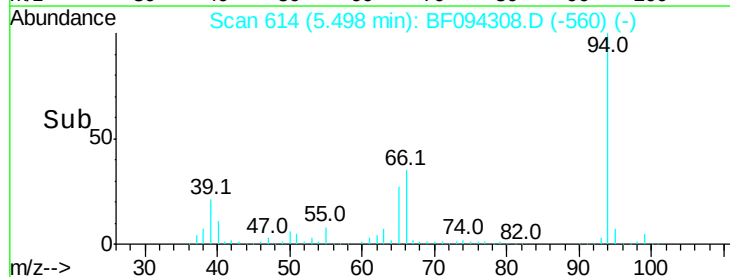
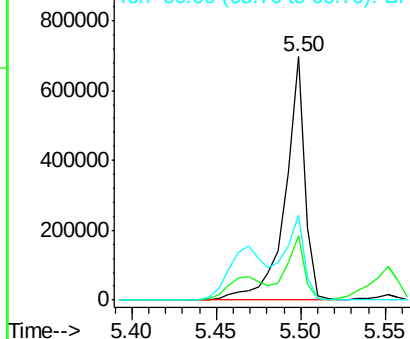
Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

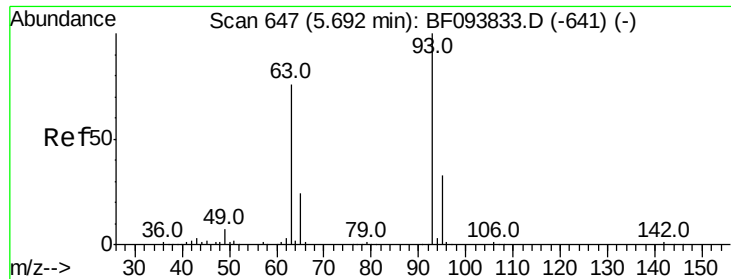
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 570467 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 26.6  | 9.9   | 49.9   |
| 66       | 34.9  | 23.1  | 63.1   |



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







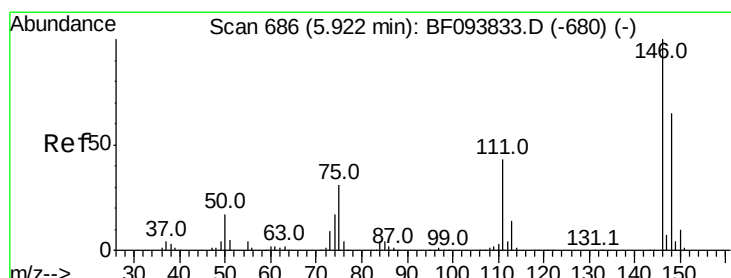
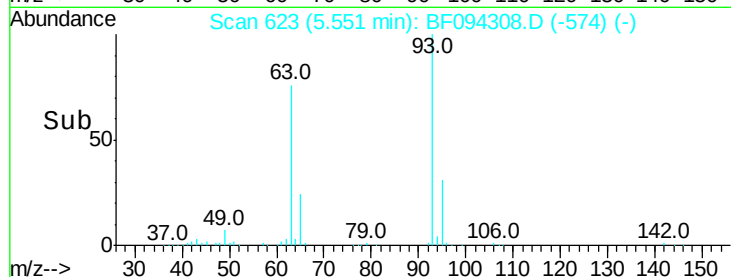
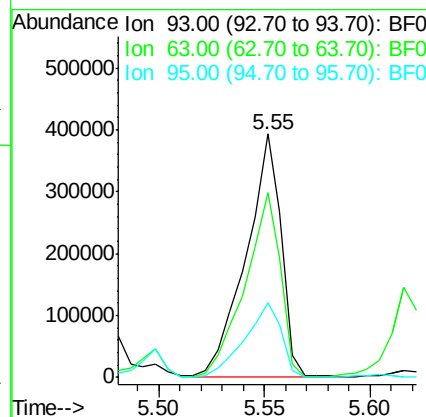
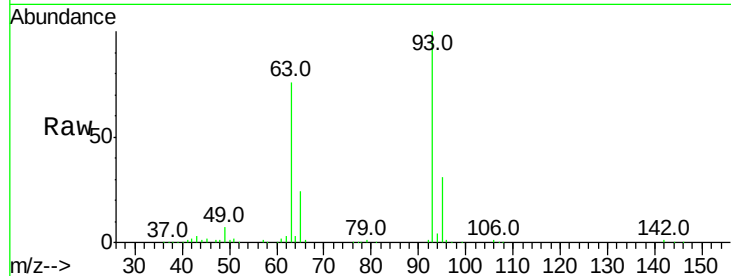
#11  
bis(2-Chloroethyl)ether  
Concen: 42.09 ng  
RT: 5.55 min Scan# 623  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 456058 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 75.9  | 59.2  | 99.2   |
| 95        | 30.9  | 12.8  | 52.8   |

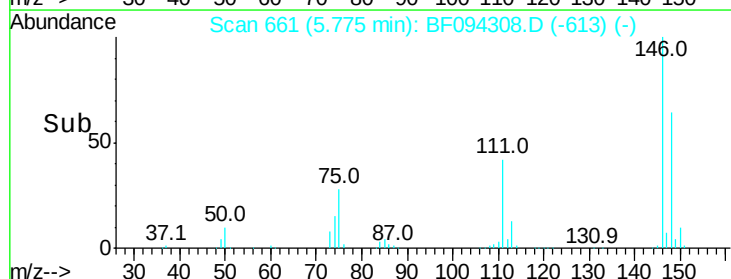
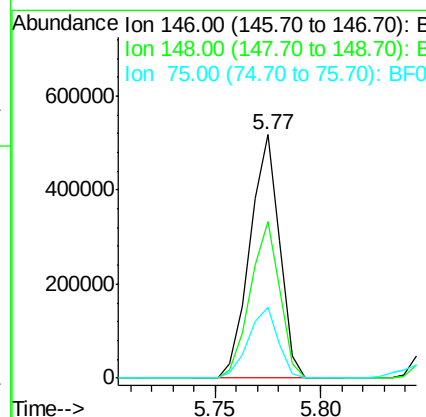
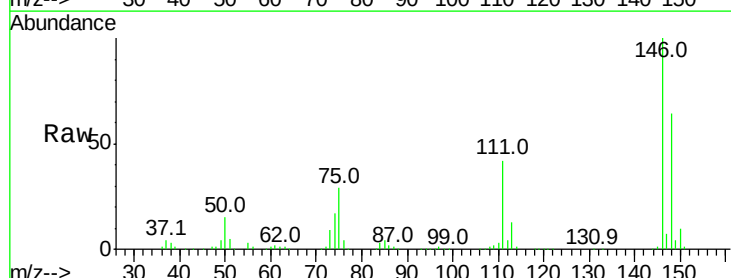
Manual Integrations  
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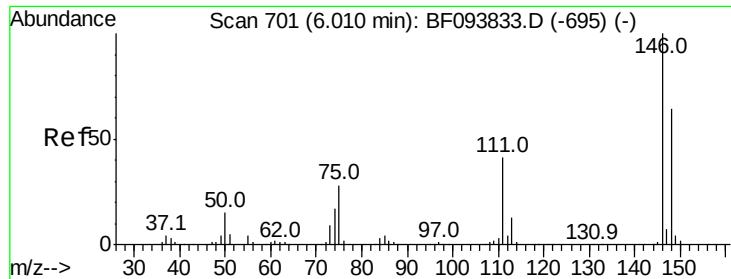
mohammad  
4/11/2017 12:53:01 PM



#12  
1,3-Dichlorobenzene  
Concen: 41.46 ng  
RT: 5.77 min Scan# 661  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 503466 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.8  | 77.6   |
| 75        | 29.0  | 23.1  | 34.7   |





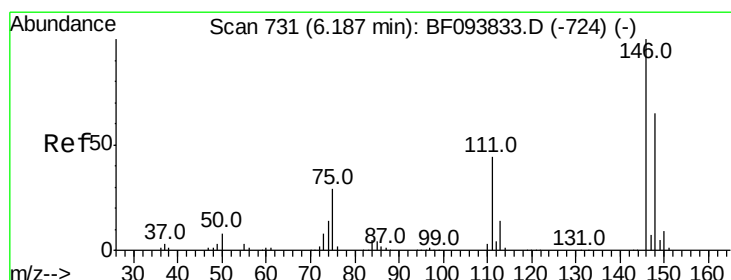
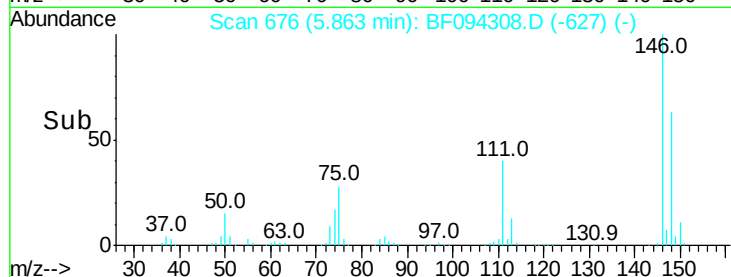
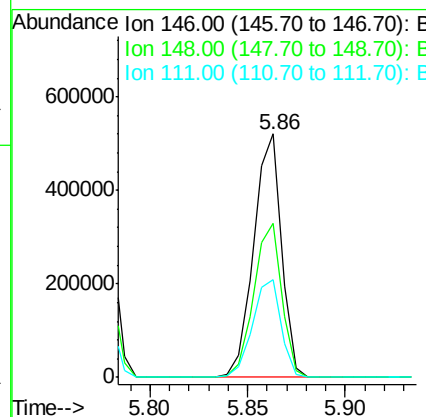
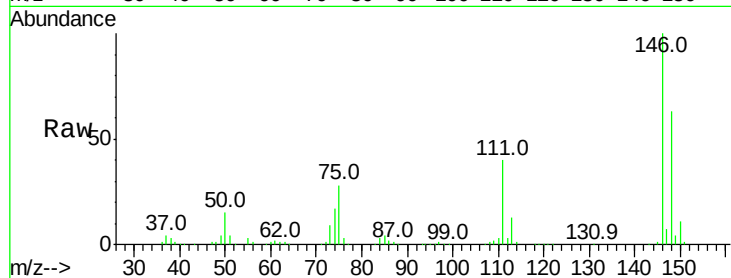
#13  
 1,4-Dichlorobenzene  
 Concen: 41.56 ng  
 RT: 5.86 min Scan# 676  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 52.2  | 78.2  |
| 111     | 40.4  | 30.3  | 45.5  |

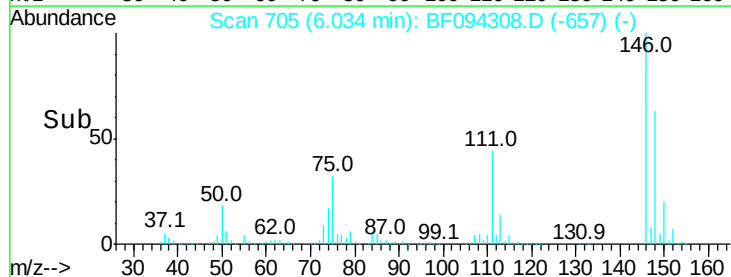
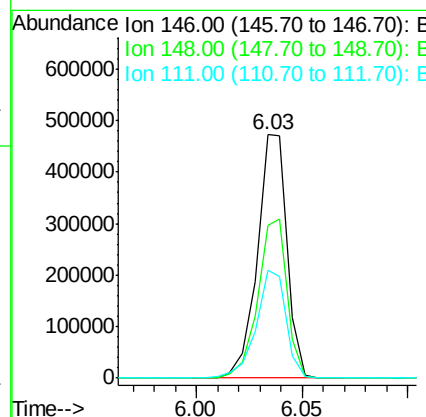
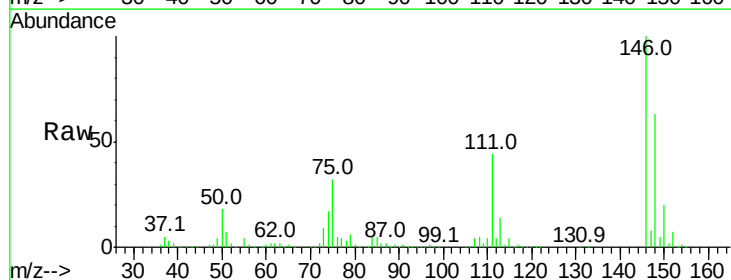
Manual Integrations  
 APPROVED

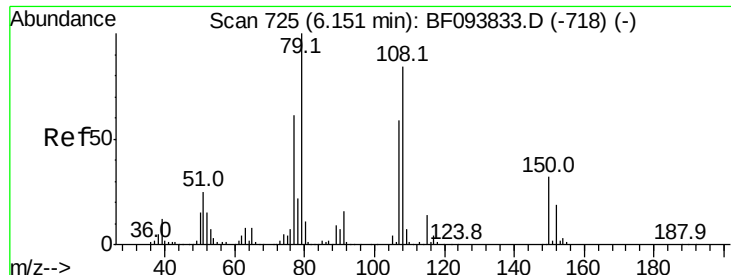
mohammad  
 4/11/2017 12:53:01 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 40.91 ng  
 RT: 6.03 min Scan# 705  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.7  | 50.4  | 75.6  |
| 111     | 44.3  | 38.2  | 57.4  |





#15

Benzyl Alcohol

Concen: 41.46 ng

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleID :

PB98131BS

Tot Ion: 79 Resp: 369693

Ion Ratio Lower Upper

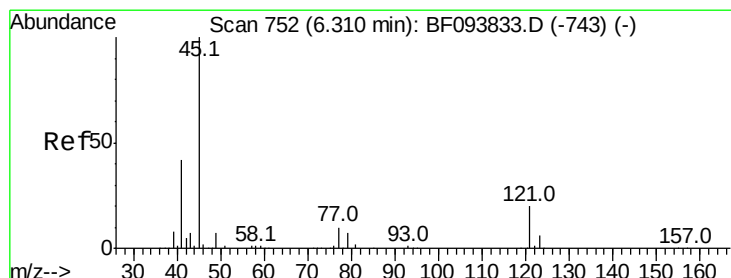
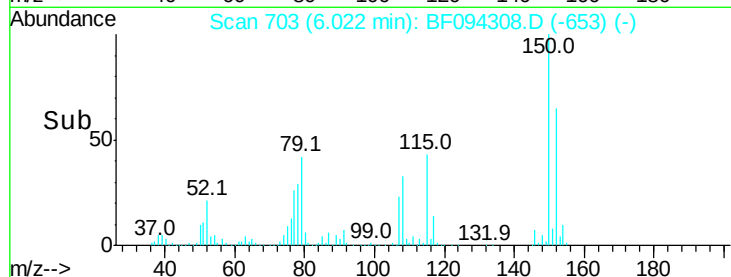
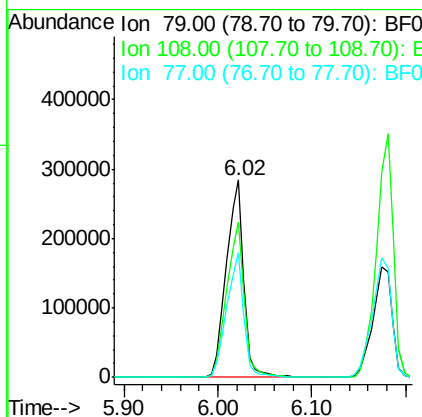
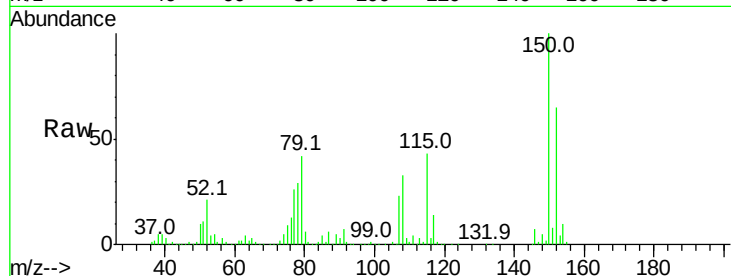
79 100

108 78.7 63.4 95.0

77 63.1 49.2 73.8

Manual Integrations  
APPROVED

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.07 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

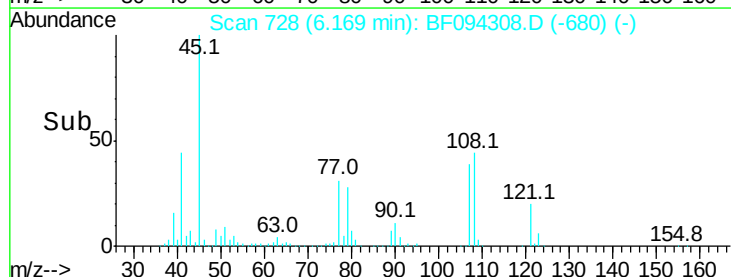
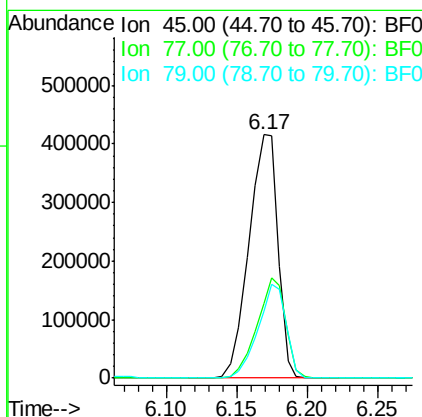
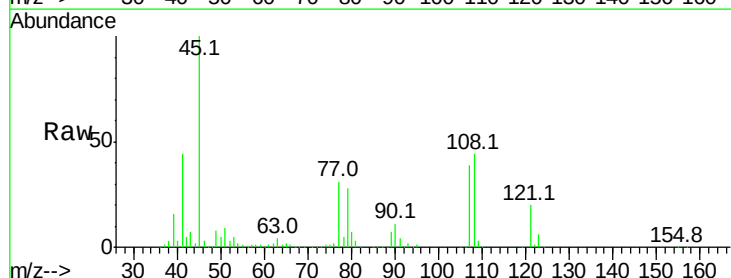
Tgt Ion: 45 Resp: 602300

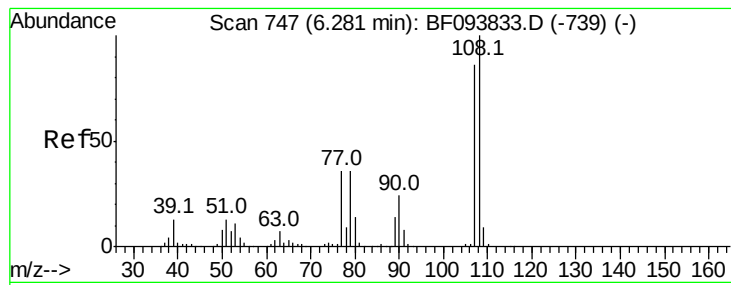
Ion Ratio Lower Upper

45 100

77 30.9 0.0 33.2

79 27.5 0.0 30.0





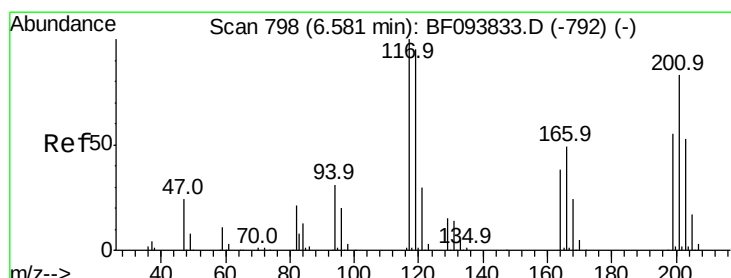
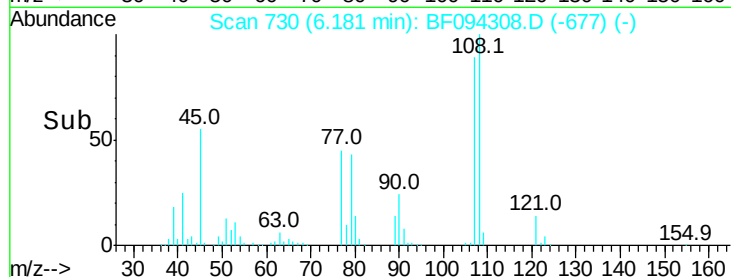
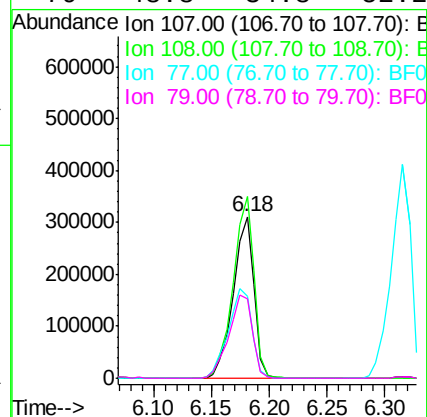
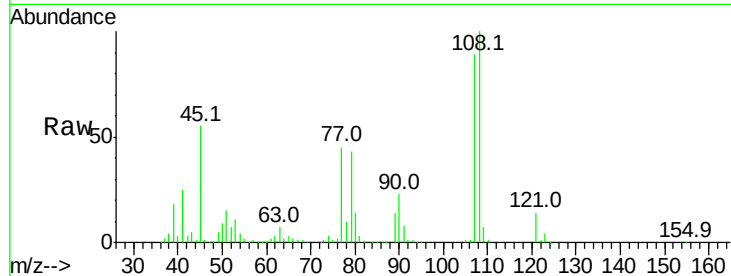
#17  
2-Methylphenol  
Concen: 41.54 ng  
RT: 6.18 min Scan# 730  
Delta R.T. 0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 112.9 | 93.4  | 140.0 |
| 77      | 50.8  | 35.8  | 53.6  |
| 79      | 48.8  | 34.8  | 52.2  |

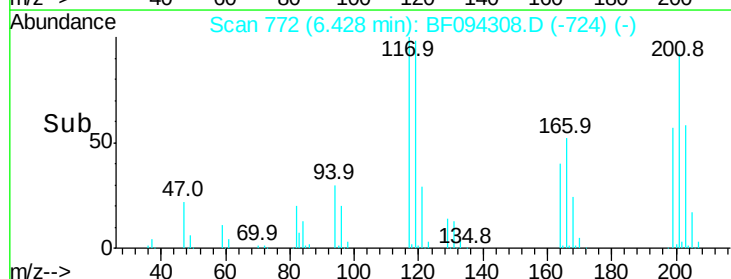
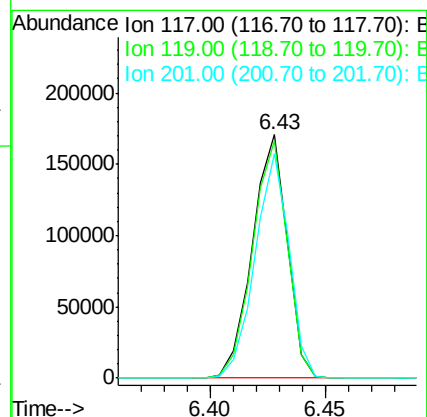
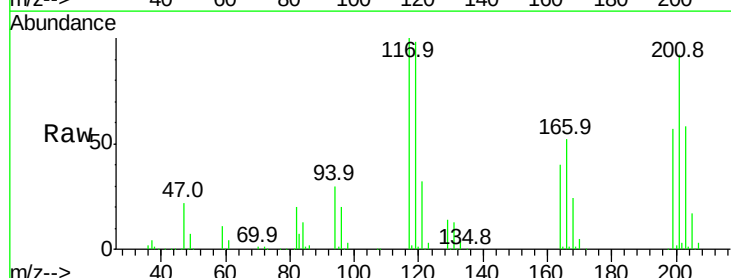
Manual Integrations  
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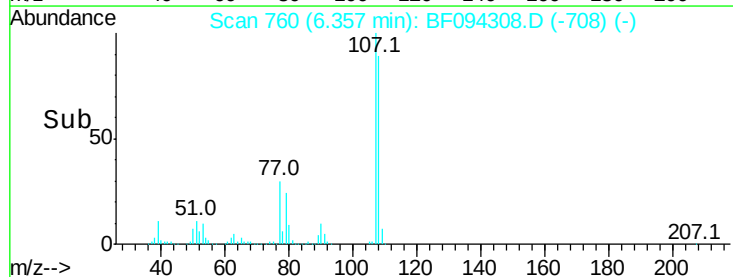
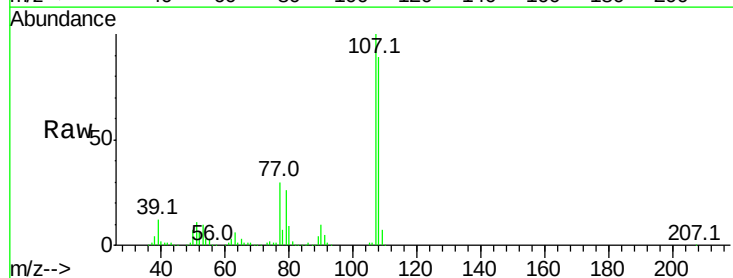
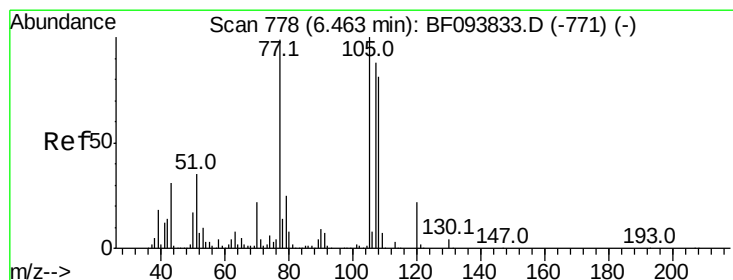
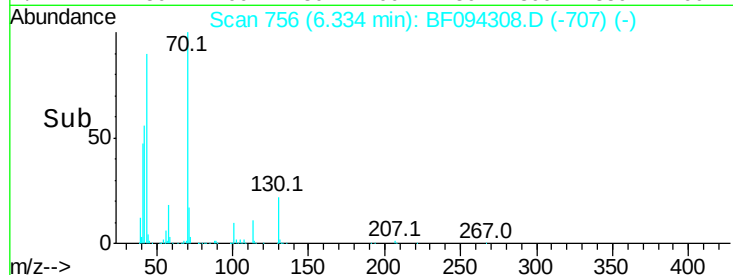
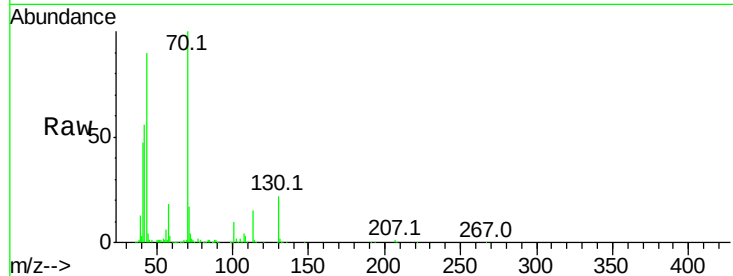
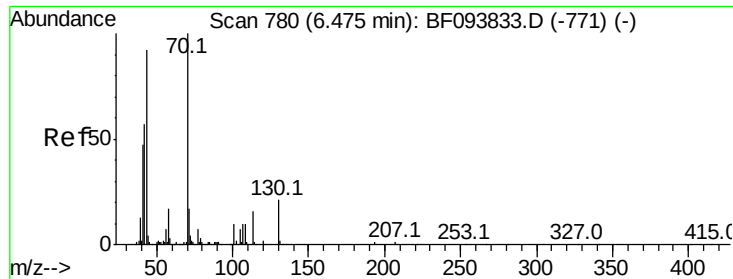
mohammad  
4/11/2017 12:53:01 PM



#18  
Hexachloroethane  
Concen: 41.74 ng  
RT: 6.43 min Scan# 772  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 97.6  | 77.4  | 116.0  |
| 201     | 92.0  | 94.6  | 141.8# |





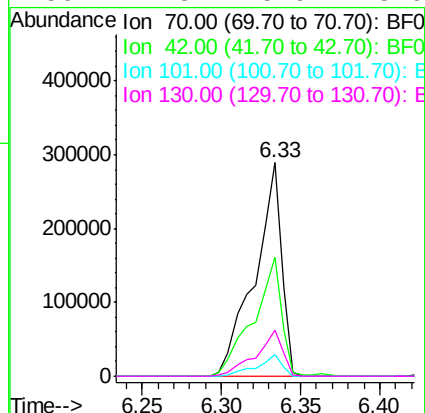
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.15 ng  
RT: 6.33 min Scan# 756  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 55.8 | 47.2  | 70.8  |       |
| 101     | 9.9  | 7.2   | 10.8  |       |
| 130     | 21.8 | 15.9  | 23.9  |       |

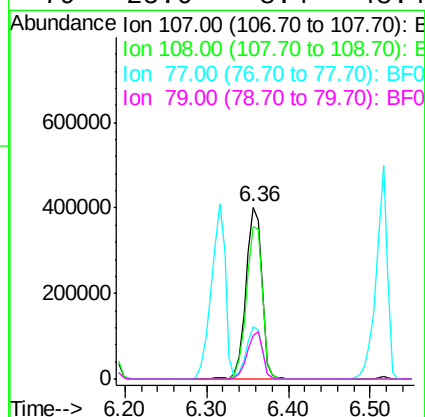
Manual Integrations  
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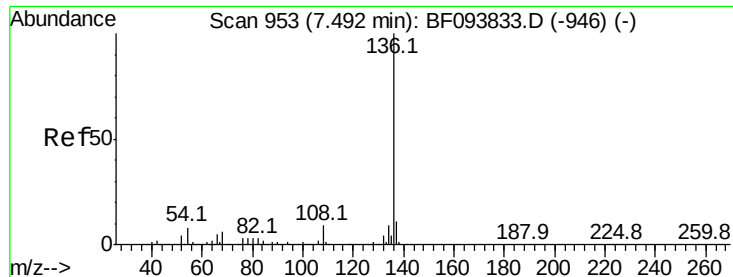
mohammad  
4/11/2017 12:53:01 PM



#20  
3+4-Methylphenols  
Concen: 47.94 ng  
RT: 6.36 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ion  | Ratio | Lower  | Upper |
|---------|------|-------|--------|-------|
| 107     | 100  |       |        |       |
| 108     | 89.0 | 71.0  | 111.0  |       |
| 77      | 30.4 | 90.5  | 130.5# |       |
| 79      | 25.6 | 8.4   | 48.4   |       |





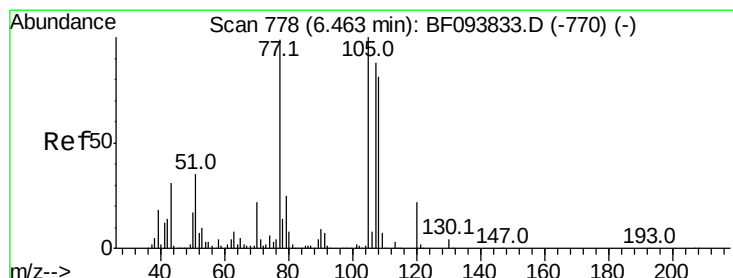
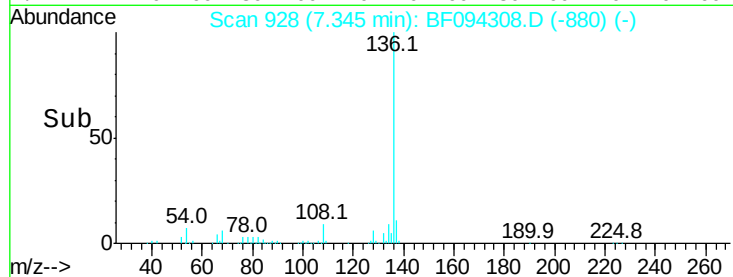
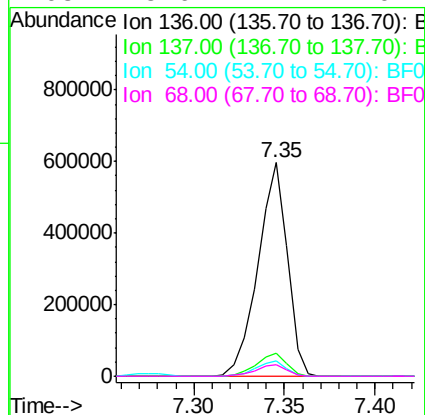
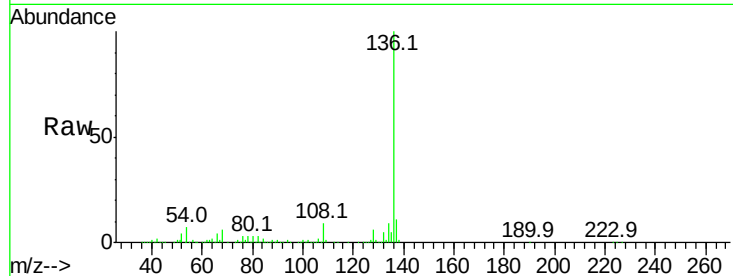
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.35 min Scan# 928  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 670231 |       |       |
| 137     | 10.8  |        | 8.5   | 12.7  |
| 54      | 7.3   |        | 4.9   | 7.3#  |
| 68      | 5.6   |        | 4.1   | 6.1   |

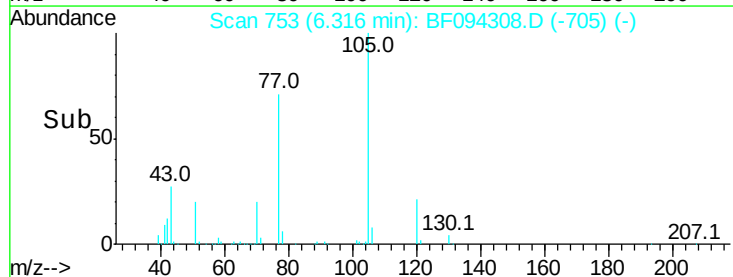
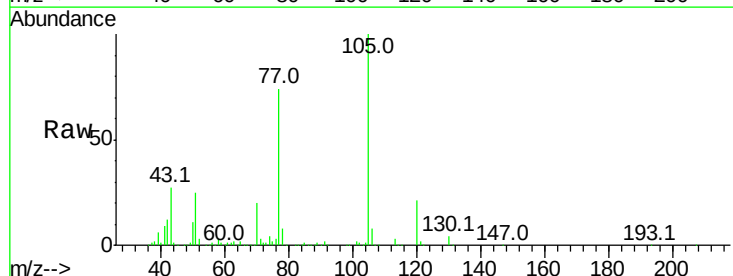
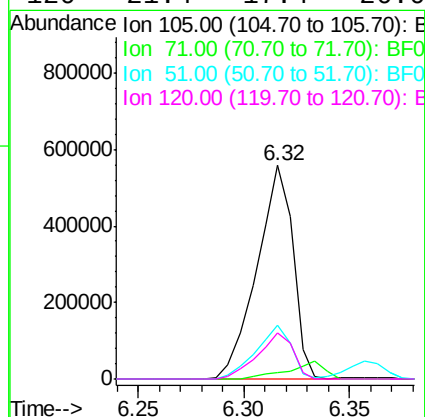
Manual Integrations  
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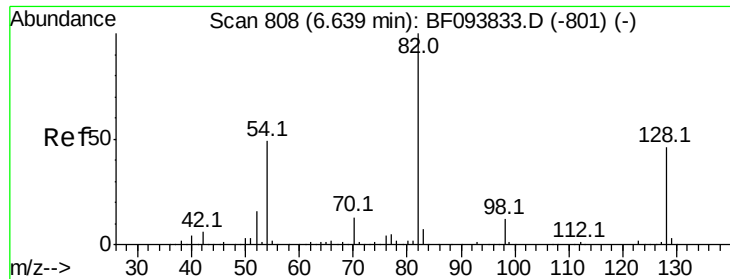
mohammad  
4/11/2017 12:53:01 PM



#22  
Acetophenone  
Concen: 44.45 ng  
RT: 6.32 min Scan# 753  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 663941 |       |       |
| 71      | 3.2   |        | 2.8   | 4.2   |
| 51      | 25.3  |        | 30.7  | 46.1# |
| 120     | 21.4  |        | 17.4  | 26.0  |





#23

Nitrobenzene-d5

Concen: 81.35 ng

RT: 6.49 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

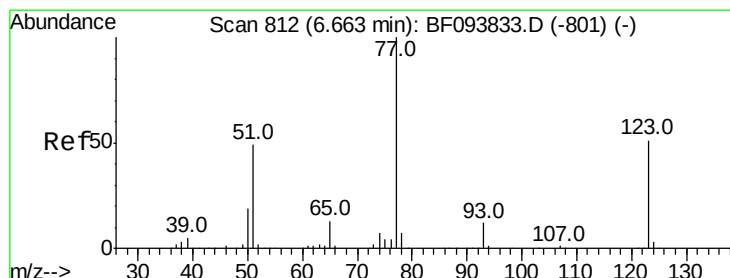
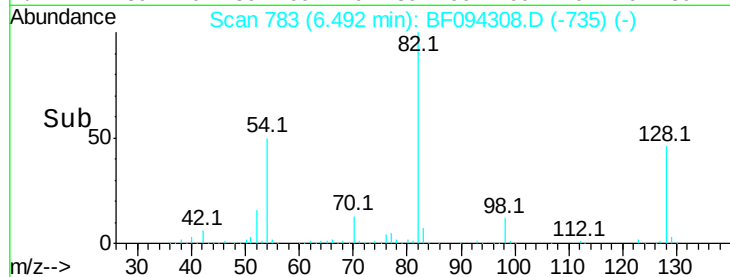
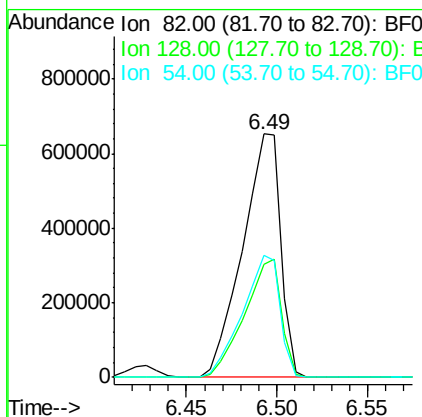
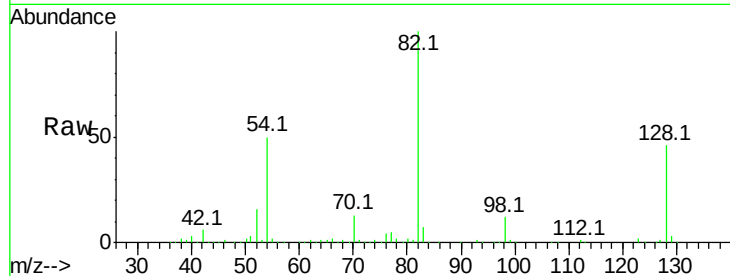
ClientSampleId :

PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 955454 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.3  | 34.0  | 51.0   |
| 54        | 50.0  | 42.2  | 63.2   |

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#24

Nitrobenzene

Concen: 41.60 ng

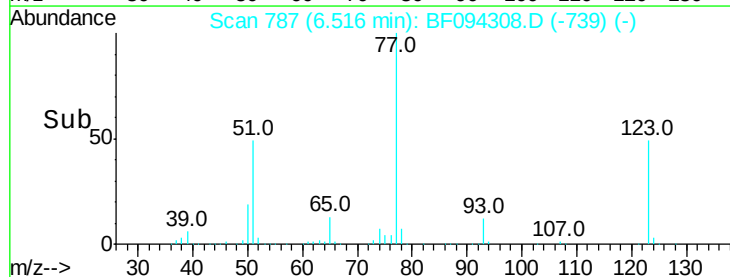
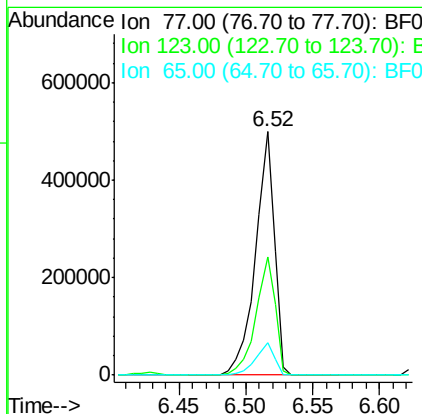
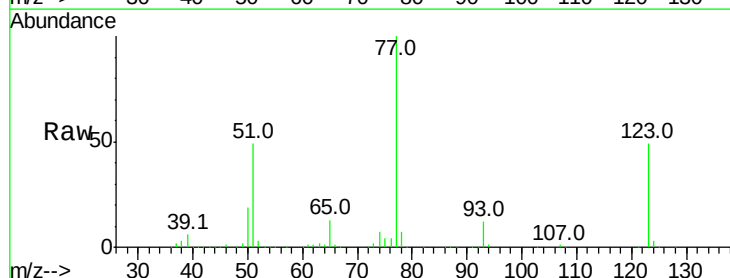
RT: 6.52 min Scan# 787

Delta R.T. -0.02 min

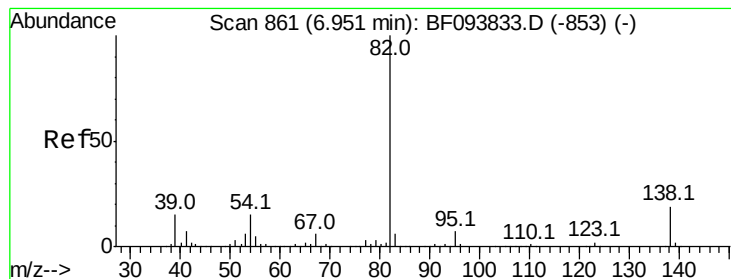
Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 481839 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 48.8  | 35.8  | 53.8   |
| 65        | 13.4  | 10.6  | 15.8   |







#25

Isophorone

Concen: 41.97 ng

RT: 6.80 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

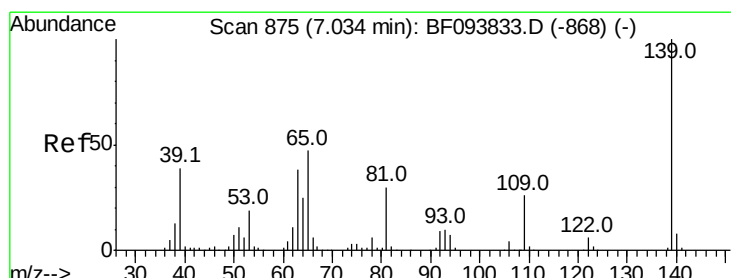
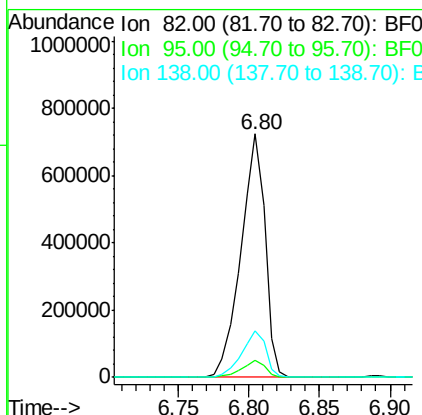
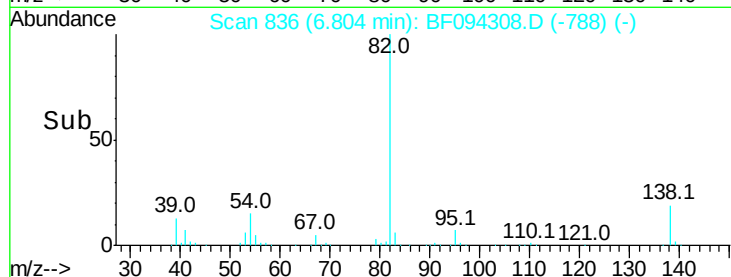
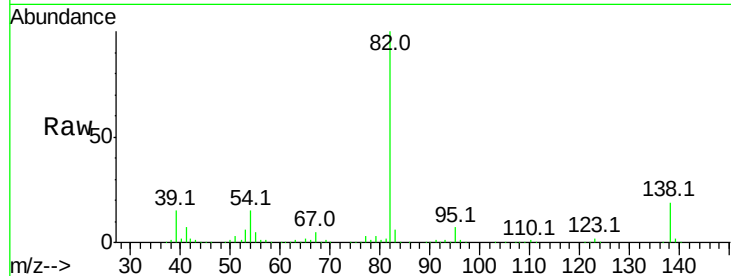
ClientSampleId :

PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 866078 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.9   | 5.3   | 7.9    |
| 138       | 19.0  | 13.1  | 19.7   |

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#26

2-Nitrophenol

Concen: 48.84 ng

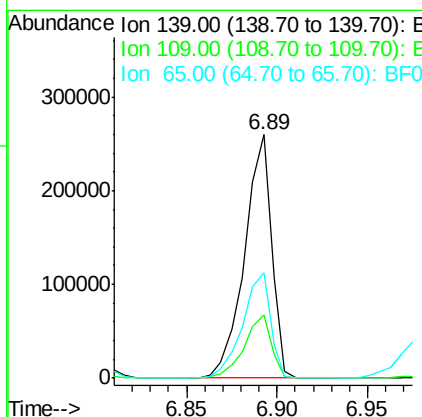
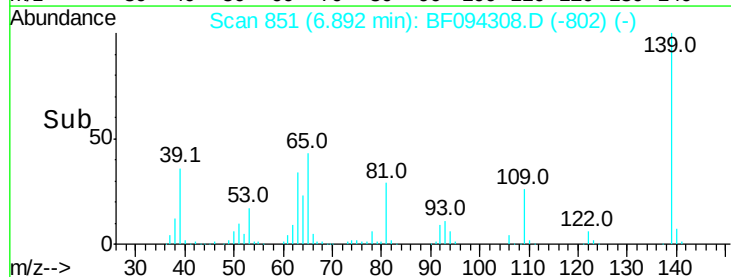
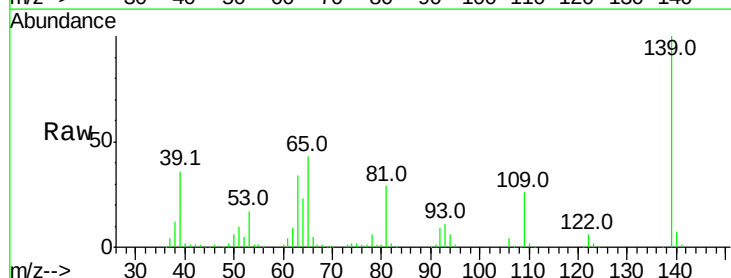
RT: 6.89 min Scan# 851

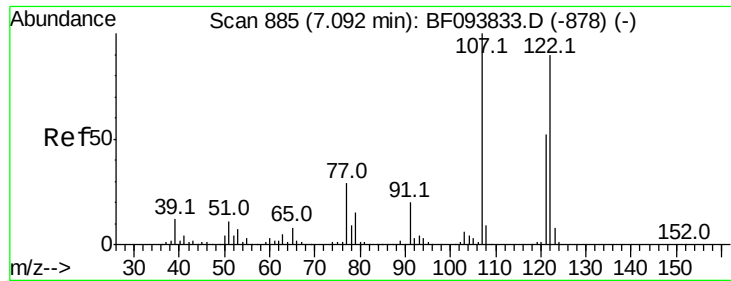
Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 269769 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 25.7  | 21.0  | 31.6   |
| 65        | 43.4  | 33.0  | 49.6   |





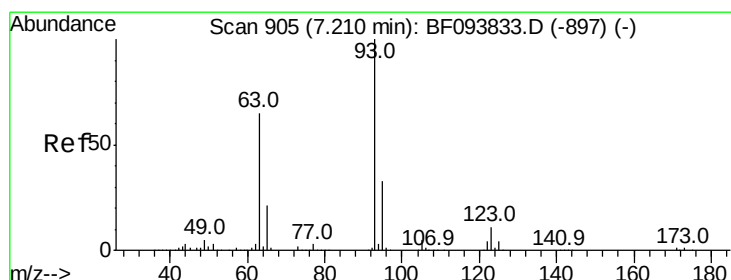
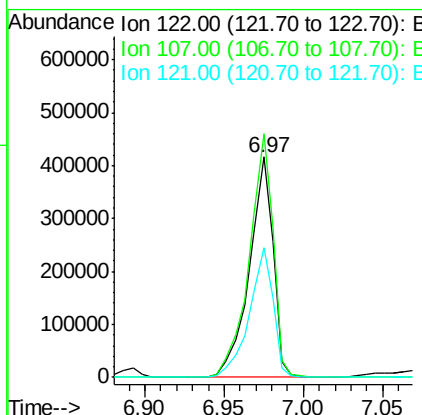
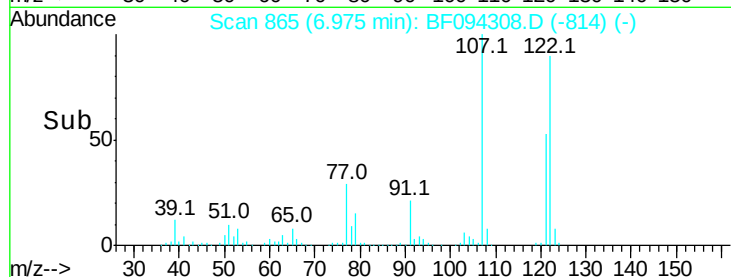
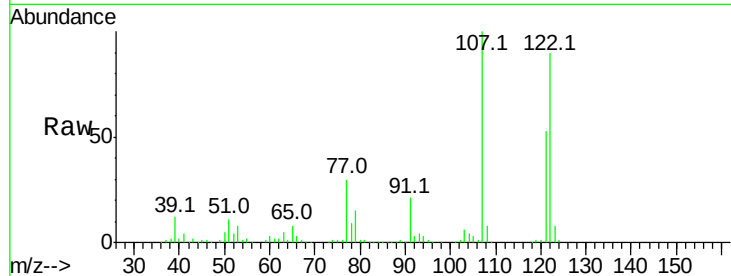
#27  
2,4-Dimethylphenol  
Concen: 45.62 ng  
RT: 6.97 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.6 | 89.2  | 133.8 |
| 121     | 59.0  | 45.2  | 67.8  |

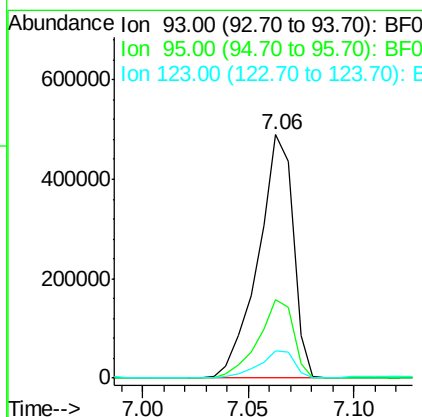
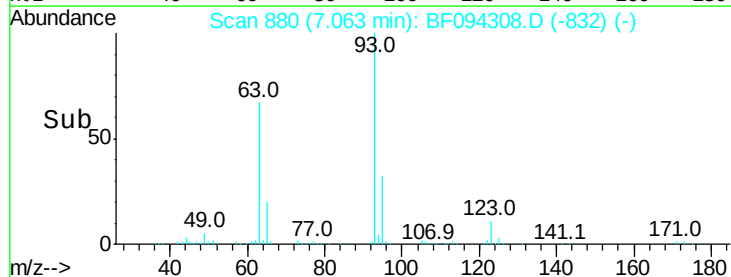
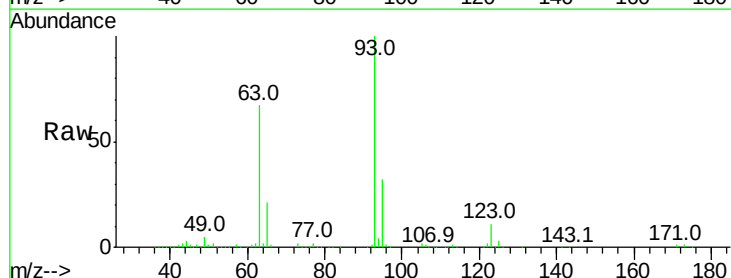
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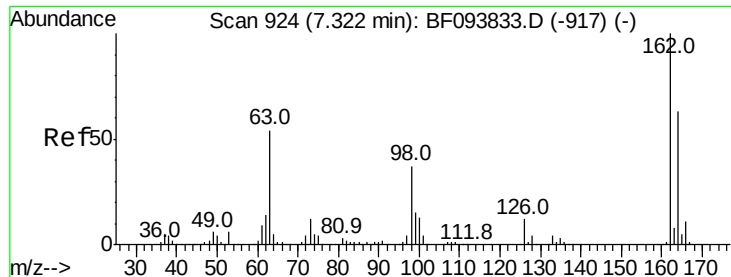
mohammad  
4/11/2017 12:53:01 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.68 ng  
RT: 7.06 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 26.5  | 39.7  |
| 123     | 11.3  | 9.0   | 13.4  |





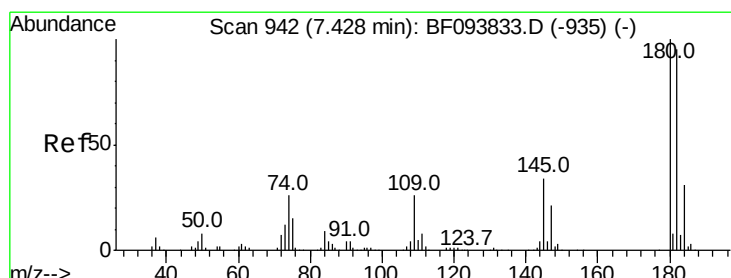
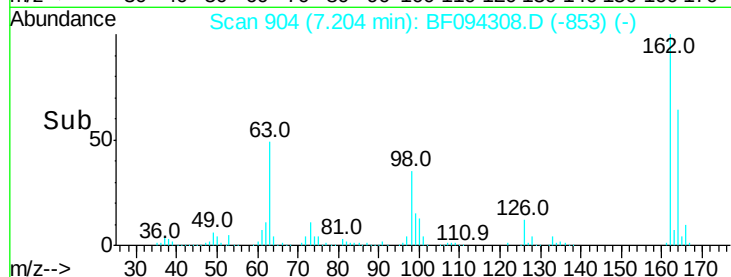
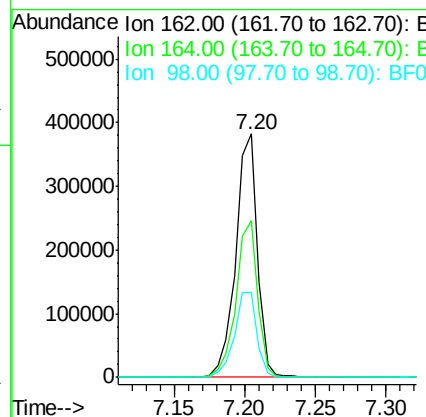
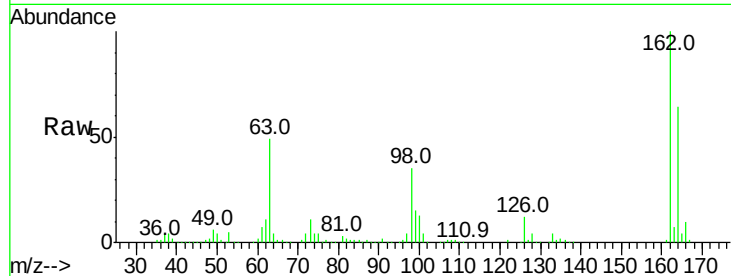
#29  
 2,4-Dichlorophenol  
 Concen: 45.80 ng  
 RT: 7.20 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 407574 |       |       |
| 164     | 64.3  |        | 44.6  | 84.6  |
| 98      | 34.7  |        | 14.8  | 54.8  |

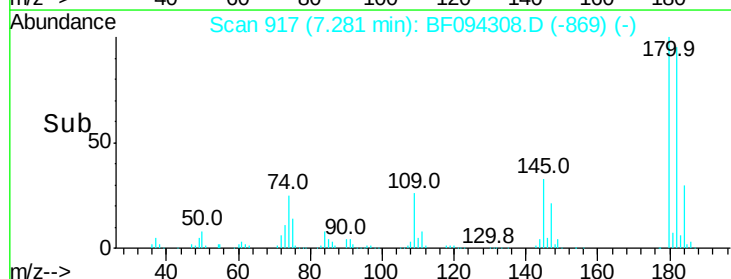
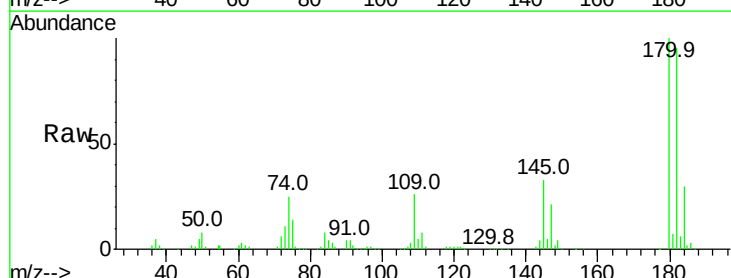
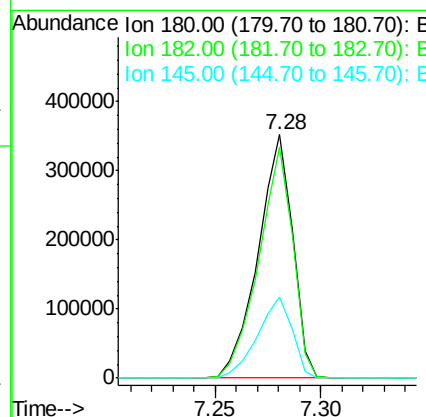
Manual Integrations  
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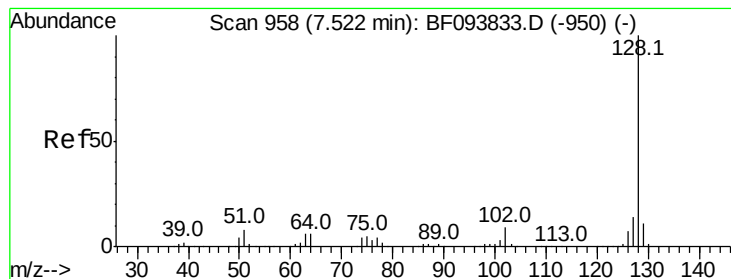
mohammad  
 4/11/2017 12:53:01 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.74 ng  
 RT: 7.28 min Scan# 917  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 400870 |       |       |
| 182     | 94.7  |        | 75.8  | 113.6 |
| 145     | 33.1  |        | 25.3  | 37.9  |





#31

Naphthalene

Concen: 41.49 ng

RT: 7.37 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleId :

PB98131BS

Tot Ion:128 Resp: 1337150

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

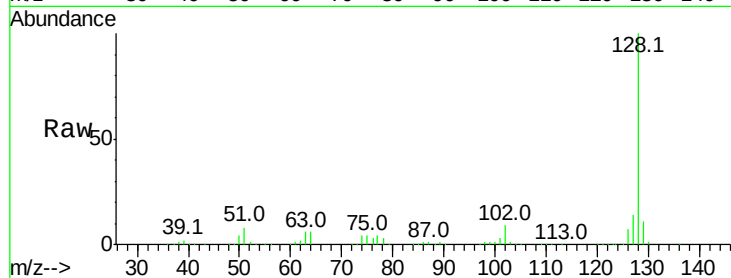
127 13.8 10.8 16.2

Manual Integrations

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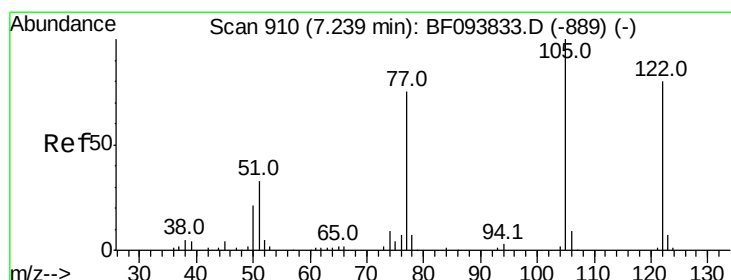
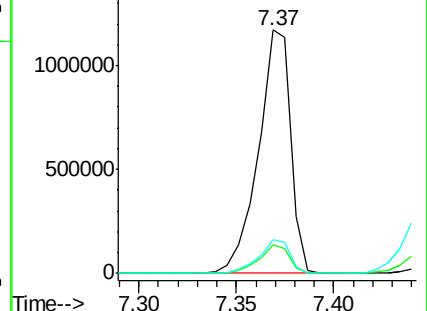
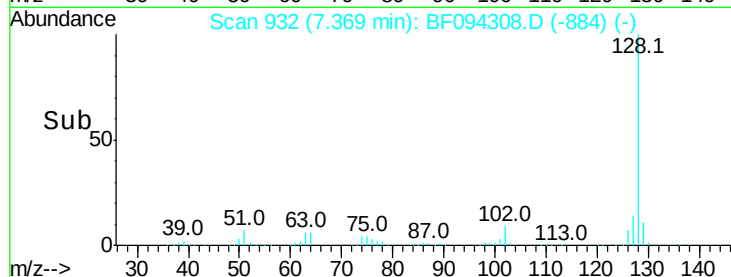
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.52 ng

RT: 7.16 min Scan# 896

Delta R.T. 0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

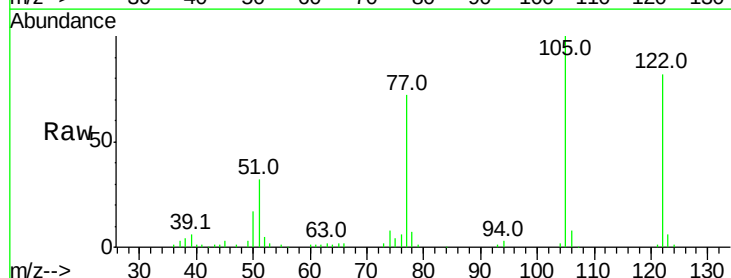
Tgt Ion:122 Resp: 231394

Ion Ratio Lower Upper

122 100

105 121.8 103.3 143.3

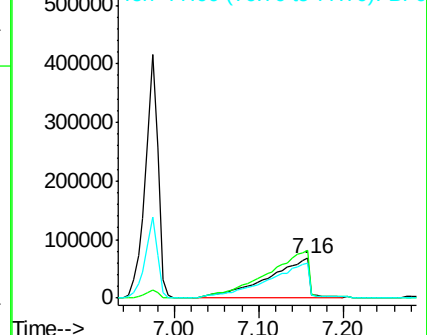
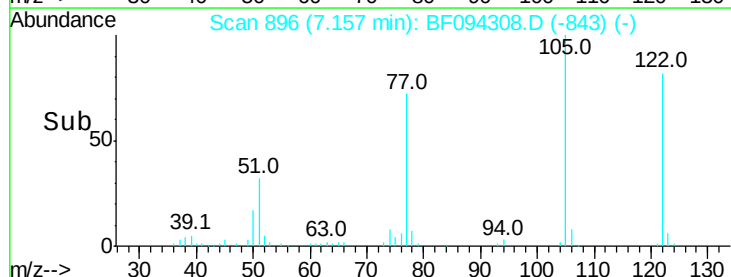
77 87.3 73.7 113.7

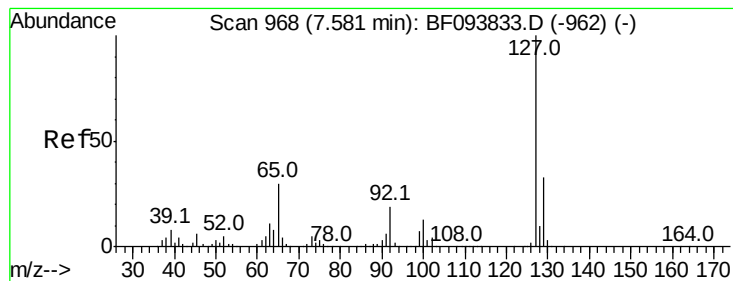


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





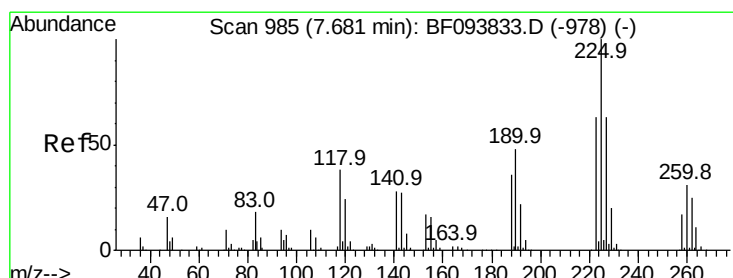
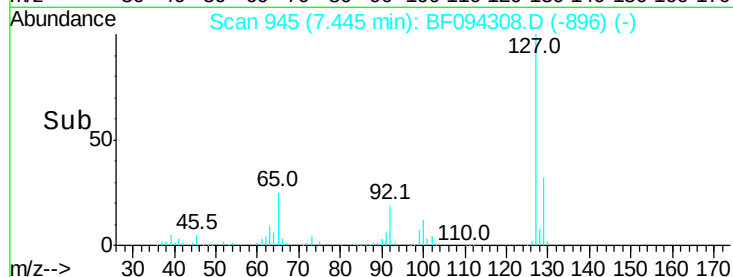
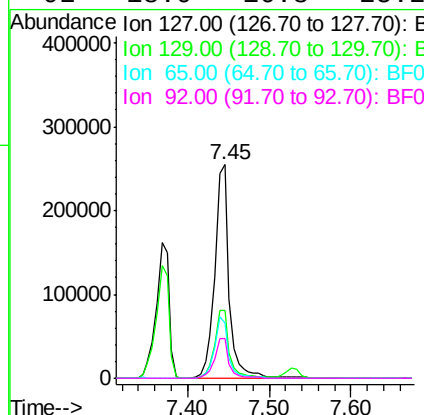
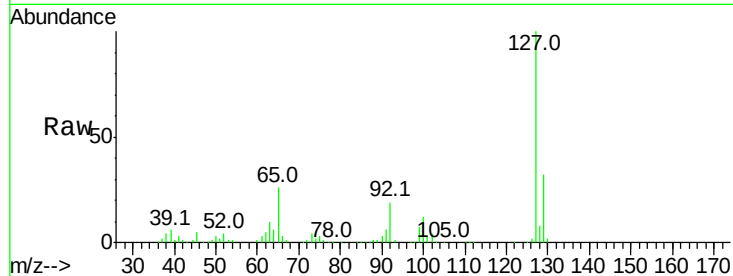
#33  
4-Chloroaniline  
Concen: 23.90 ng  
RT: 7.45 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.1  | 26.2 | 39.2  |       |
| 65      | 26.1  | 27.8 | 41.8  |       |
| 92      | 18.9  | 16.8 | 25.2  |       |

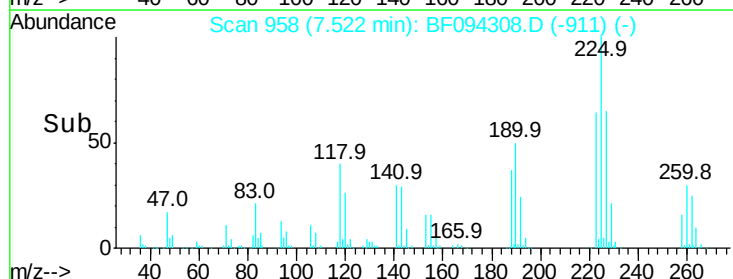
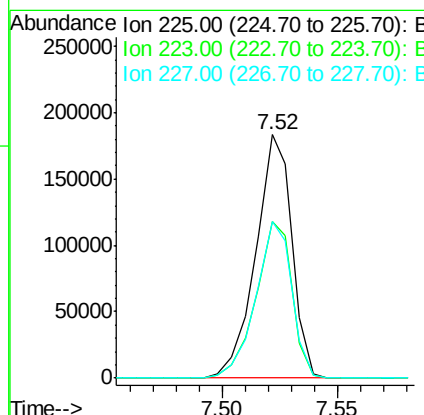
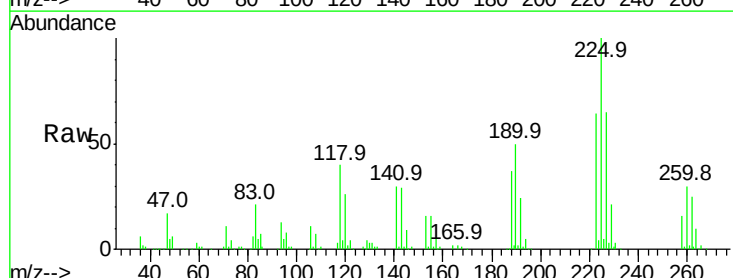
Manual Integrations  
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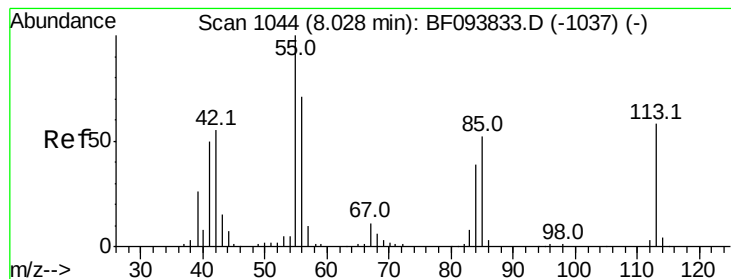
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 42.50 ng  
RT: 7.52 min Scan# 958  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 64.3  | 48.8 | 73.2  |       |
| 227     | 64.6  | 51.1 | 76.7  |       |





#35

Caprolactam

Concen: 46.40 ng/mL

RT: 7.89 min Scan# 1021

Delta R.T. -0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

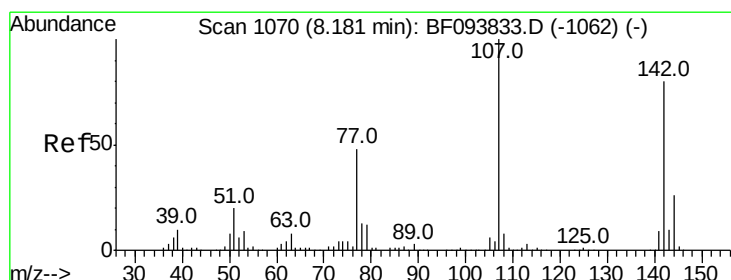
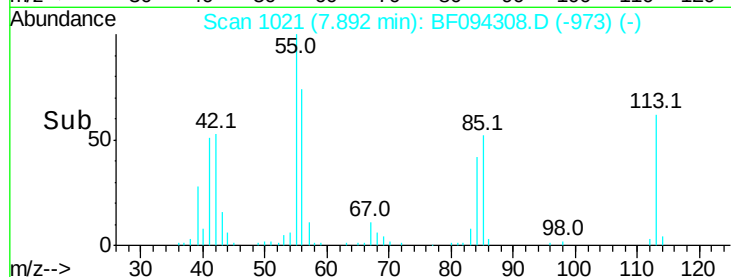
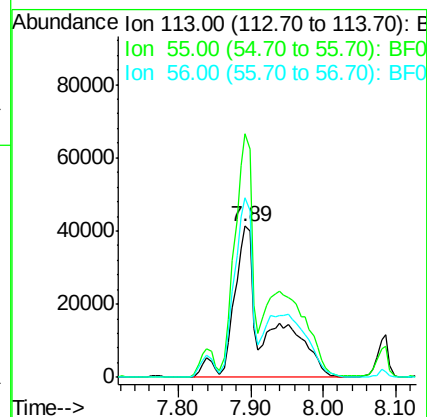
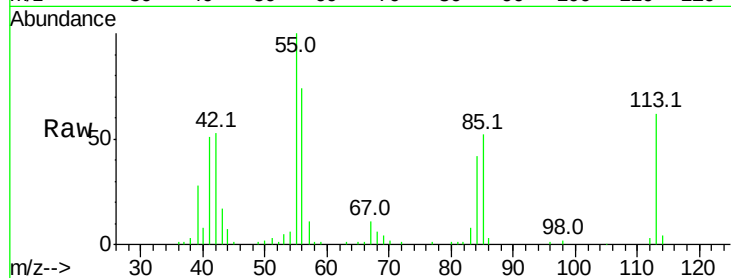
ClientSampleID :

PB98131BS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |       |
| 55      | 160.9 | 150.2 | 190.2 |       |       |
| 56      | 119.0 | 107.8 | 147.8 |       |       |

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#36

4-Chloro-3-methylphenol

Concen: 45.89 ng/mL

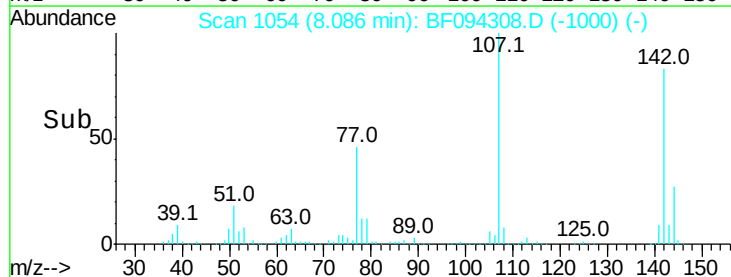
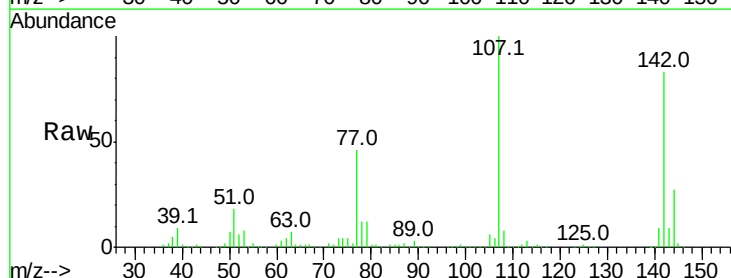
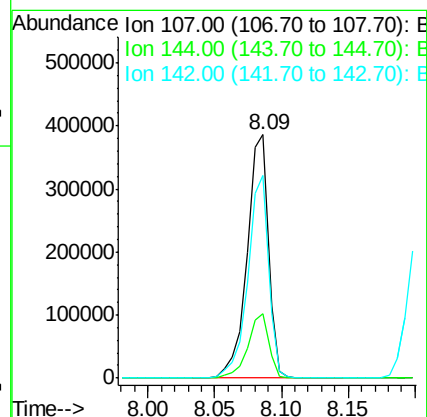
RT: 8.09 min Scan# 1054

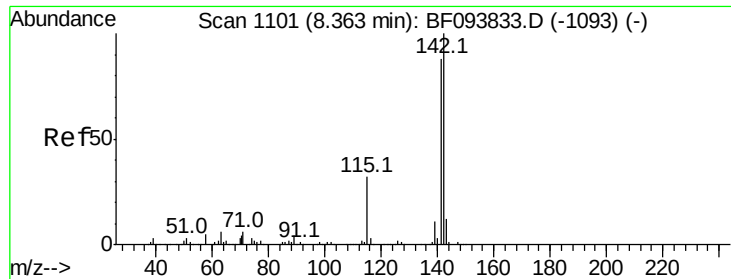
Delta R.T. 0.02 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 144     | 26.6 | 24.2  | 36.4  |       |       |
| 142     | 83.1 | 73.4  | 110.0 |       |       |





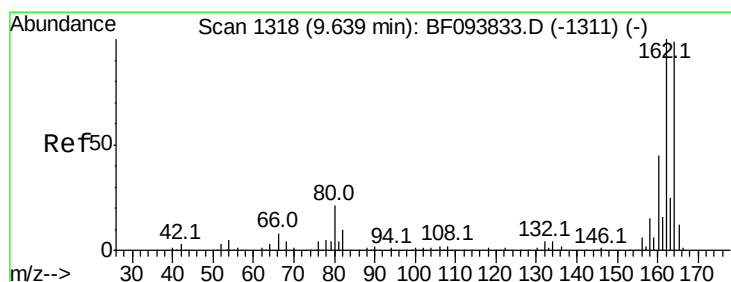
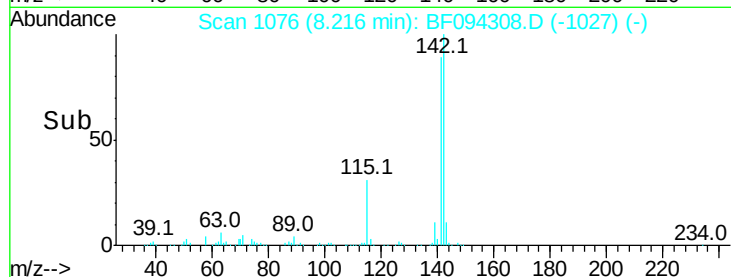
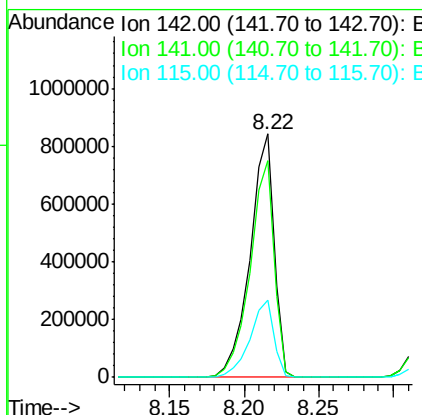
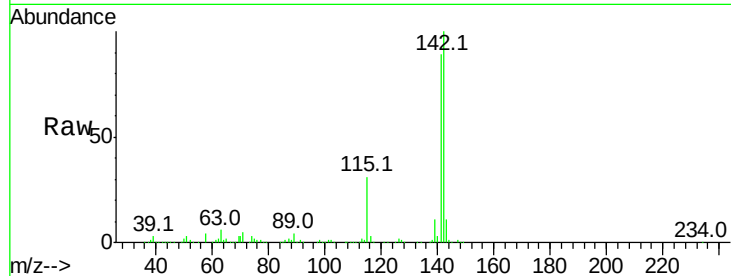
#37  
2-Methylnaphthalene  
Concen: 43.49 ng  
RT: 8.22 min Scan# 1076  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 71.3  | 106.9 |
| 115     | 31.5  | 27.1  | 40.7  |

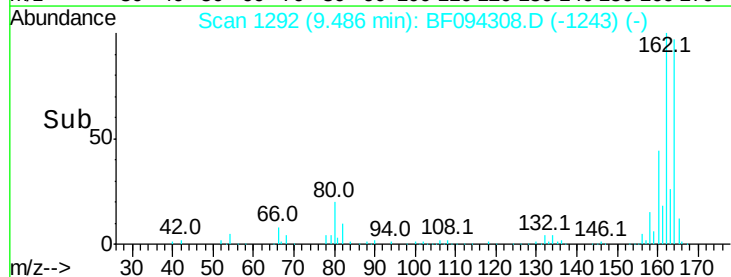
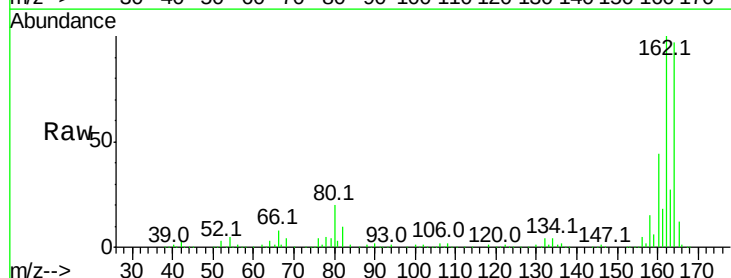
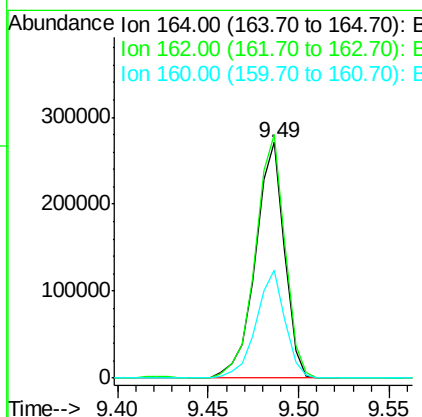
Manual Integrations  
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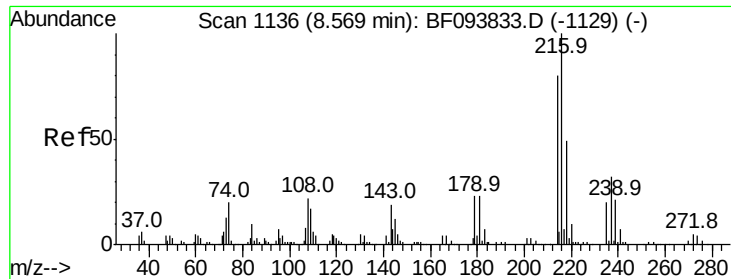
mohammad  
4/11/2017 12:53:01 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.49 min Scan# 1292  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.3 | 82.6  | 123.8 |
| 160     | 45.6  | 36.2  | 54.2  |





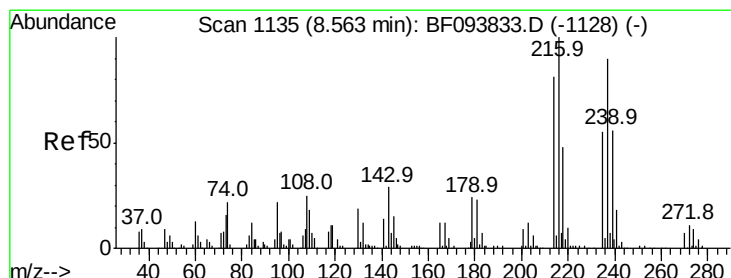
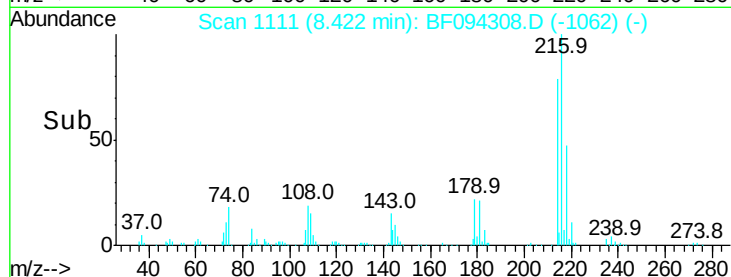
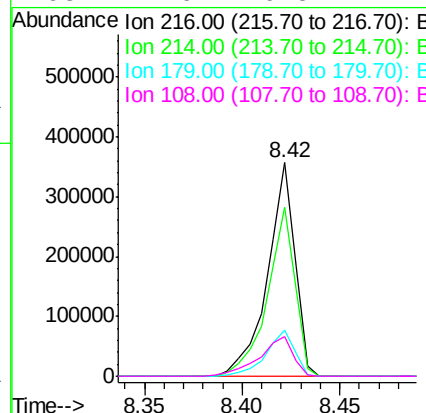
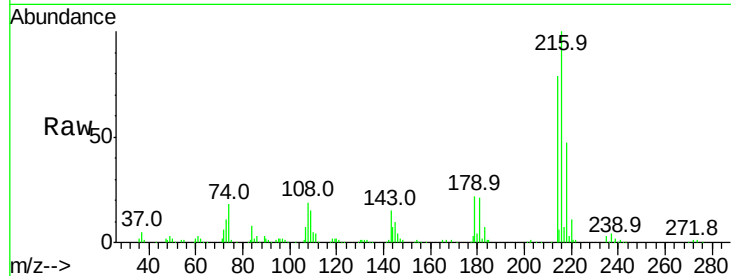
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.32 ng  
 RT: 8.42 min Scan# 1111  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 79.5  | 63.4       | 95.2  |
| 179     | 22.3  | 17.9       | 26.9  |
| 108     | 22.6  | 16.5       | 24.7  |

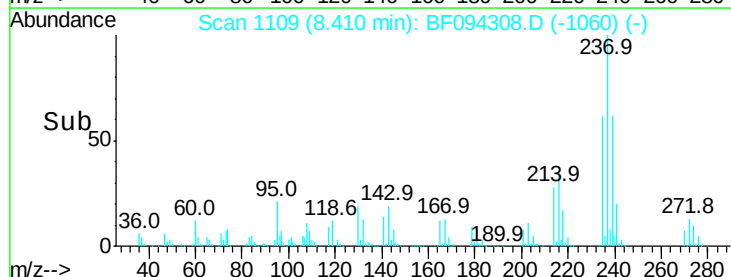
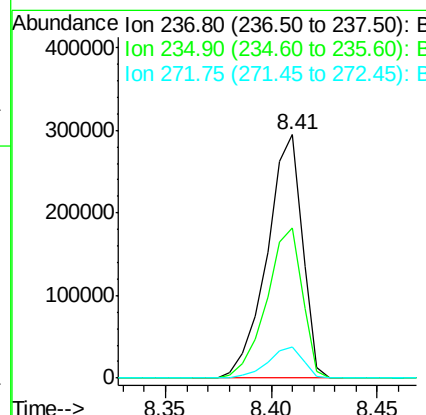
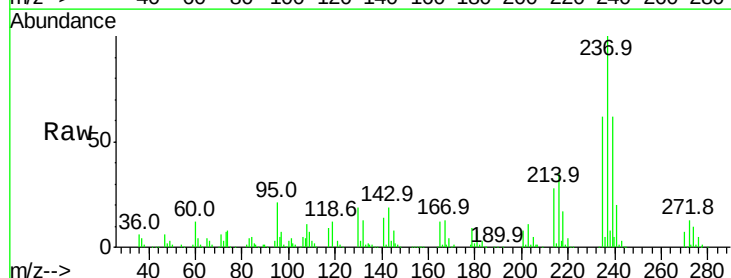
Manual Integrations  
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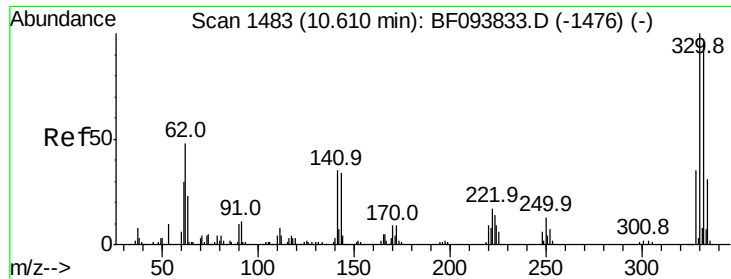


#40  
 Hexachlorocyclopentadiene  
 Concen: 88.99 ng  
 RT: 8.41 min Scan# 1109  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 61.7  | 42.6       | 82.6  |
| 272     | 12.9  | 0.0        | 31.9  |







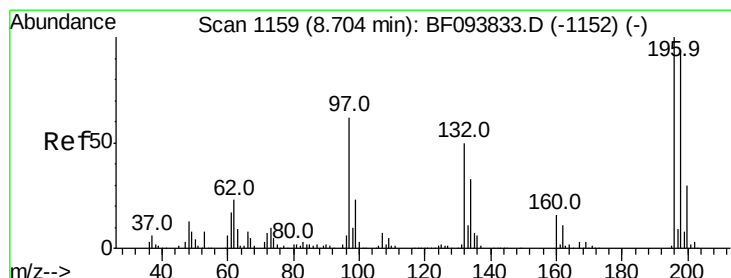
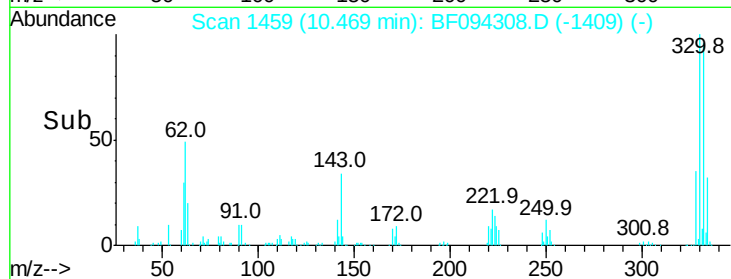
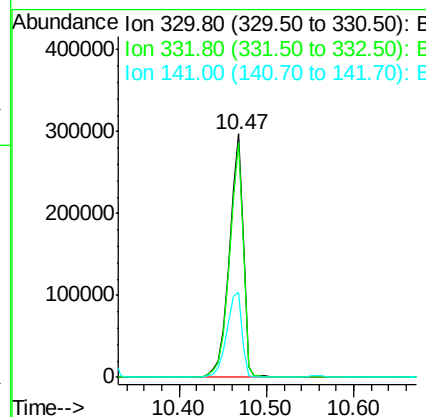
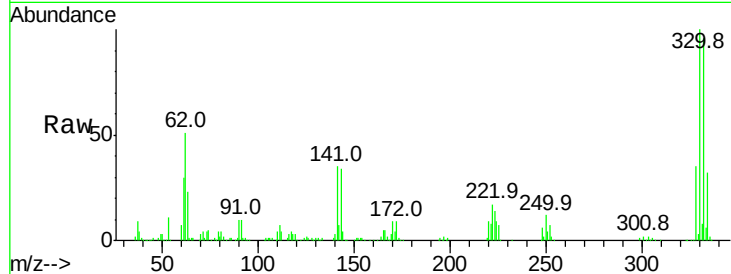
#41  
 2,4,6-Tribromophenol  
 Concen: 139.01 ng  
 RT: 10.47 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.6  | 76.6 | 115.0 |       |
| 141     | 38.4  | 31.4 | 47.2  |       |

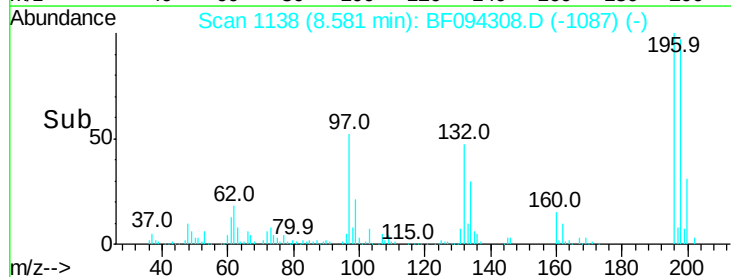
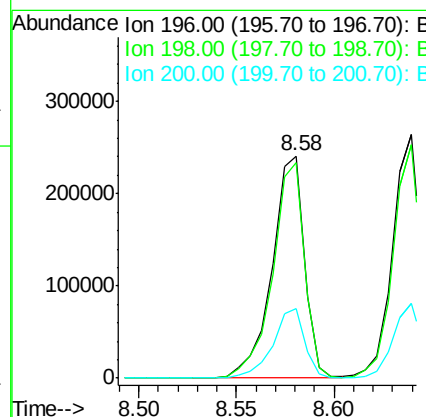
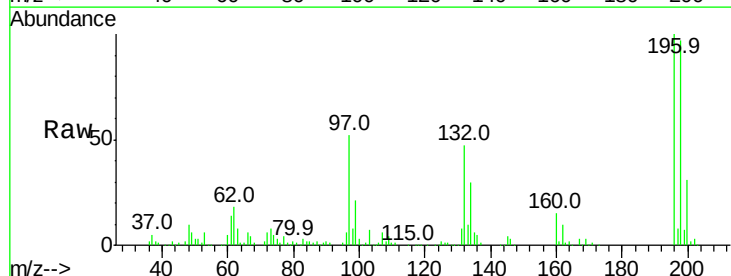
Manual Integrations  
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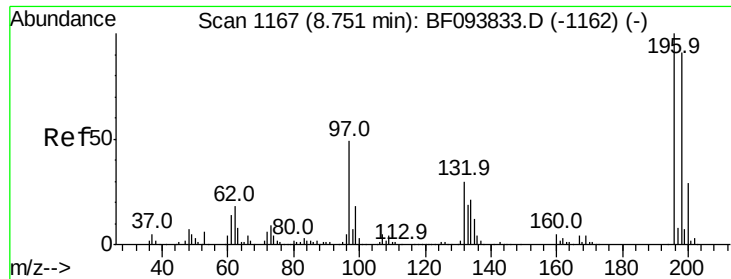
mohammad  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 47.81 ng  
 RT: 8.58 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 96.7  | 74.2 | 111.4 |       |
| 200     | 31.3  | 24.0 | 36.0  |       |





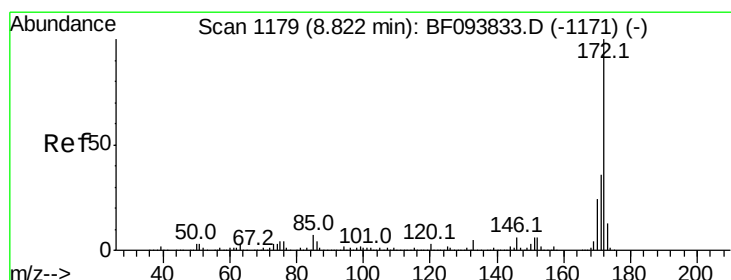
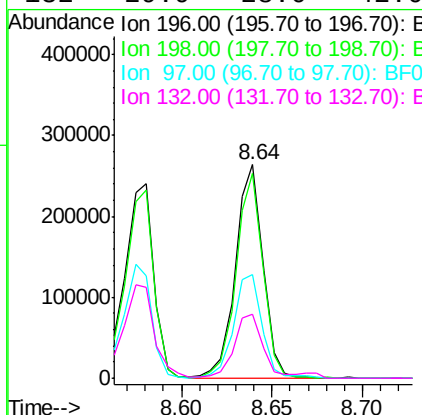
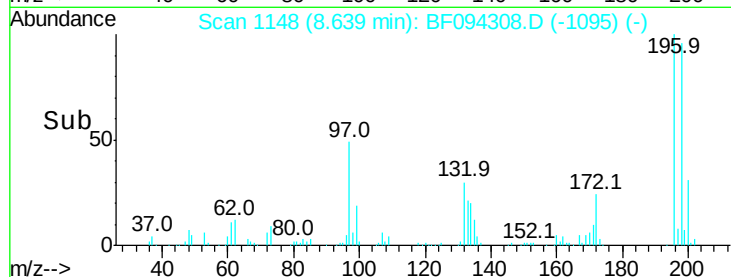
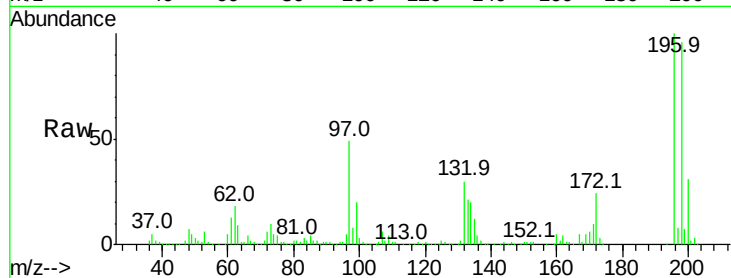
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.08 ng  
 RT: 8.64 min Scan# 1148  
 Delta R.T. 0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 277483 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 96.1  | 75.7  | 113.5  |
| 97        | 48.9  | 47.7  | 71.5   |
| 132       | 29.9  | 28.0  | 42.0   |

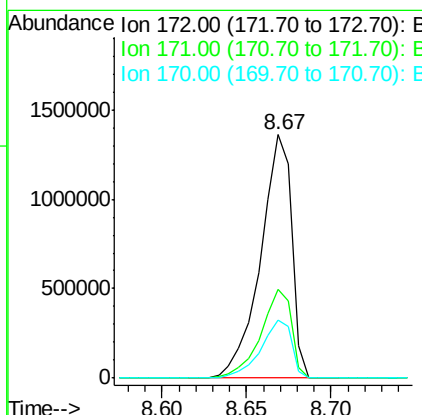
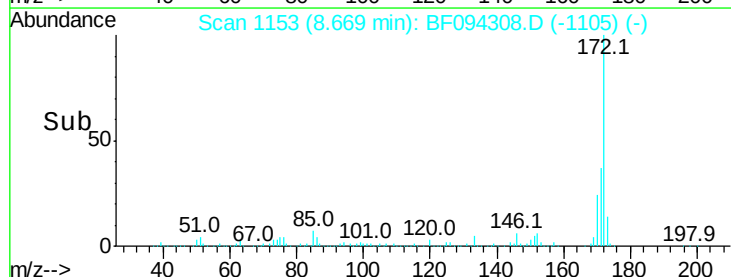
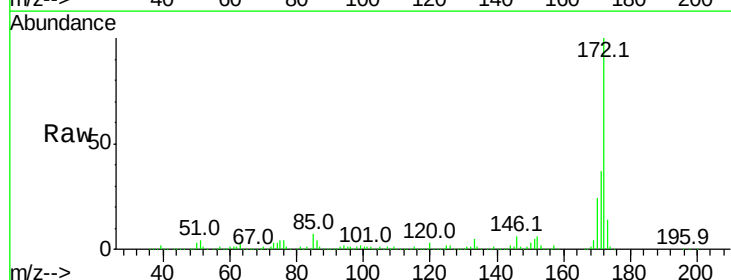
Manual Integrations  
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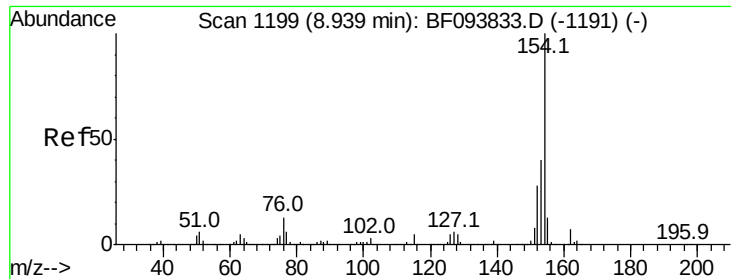
mohammad  
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#44  
 2-Fluorobiphenyl  
 Concen: 87.57 ng  
 RT: 8.67 min Scan# 1153  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1725716 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.6  | 29.6  | 44.4    |
| 170       | 24.1  | 19.8  | 29.8    |





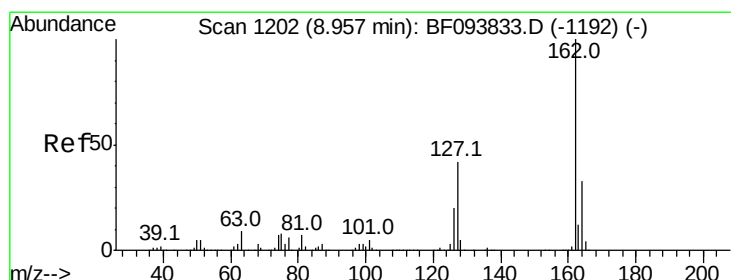
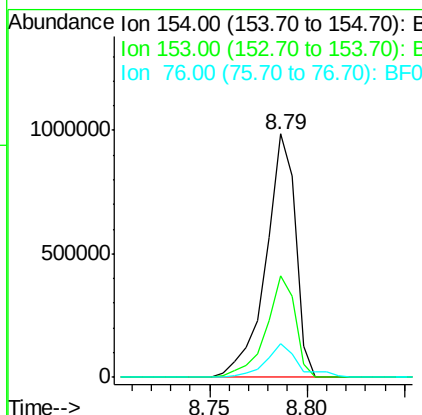
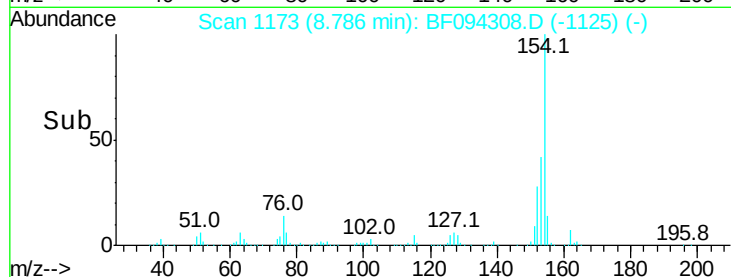
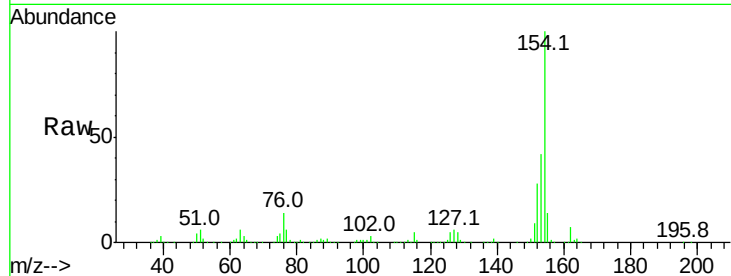
#45  
 1,1'-Biphenyl  
 Concen: 42.66 ng  
 RT: 8.79 min Scan# 1173  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 21.2  | 61.2  |
| 76      | 13.8  | 0.0   | 29.9  |

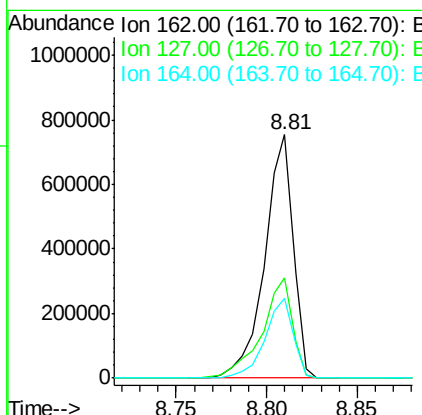
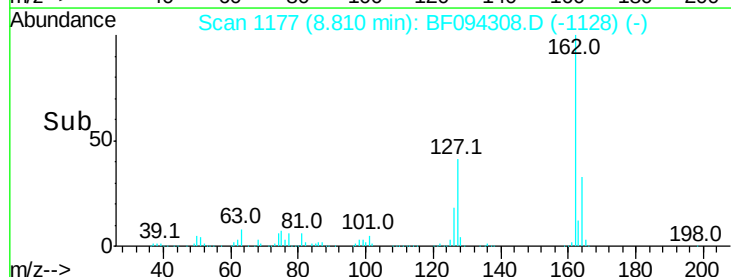
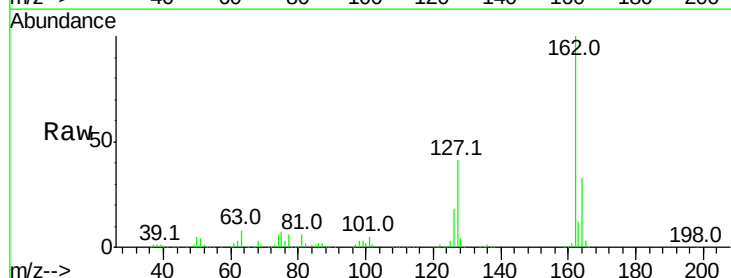
Manual Integrations  
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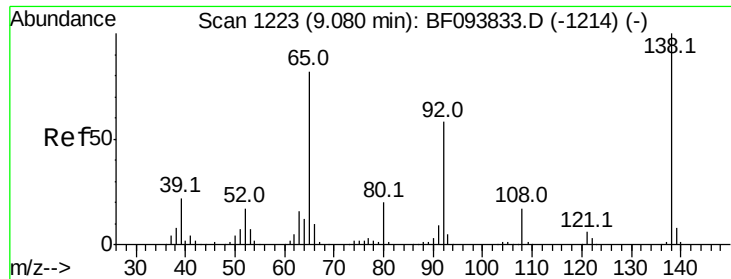
mohammad  
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#46  
 2-Chloronaphthalene  
 Concen: 43.29 ng  
 RT: 8.81 min Scan# 1177  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.1  | 28.3  | 42.5  |
| 164     | 32.9  | 27.0  | 40.4  |





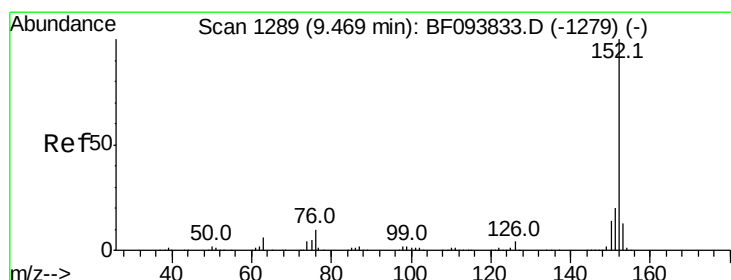
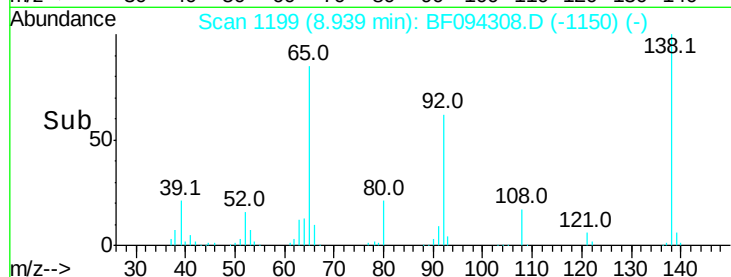
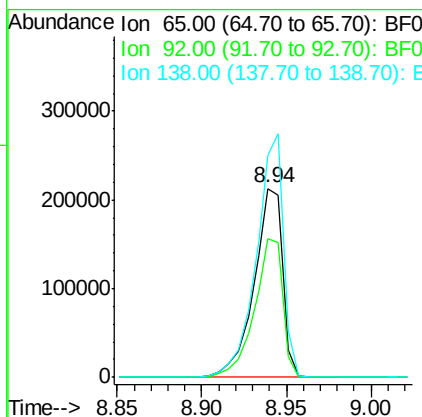
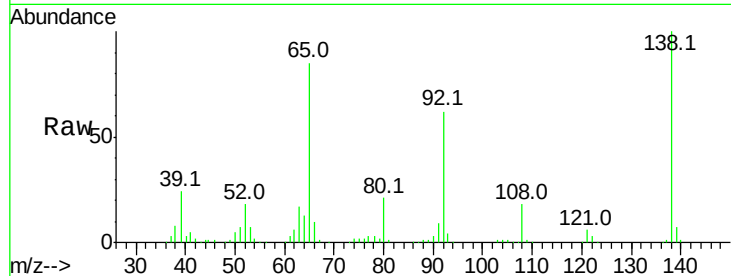
#47  
2-Nitroaniline  
Concen: 44.47 ng  
RT: 8.94 min Scan# 1199  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.2  | 53.9  | 80.9  |
| 138     | 117.5 | 78.8  | 118.2 |

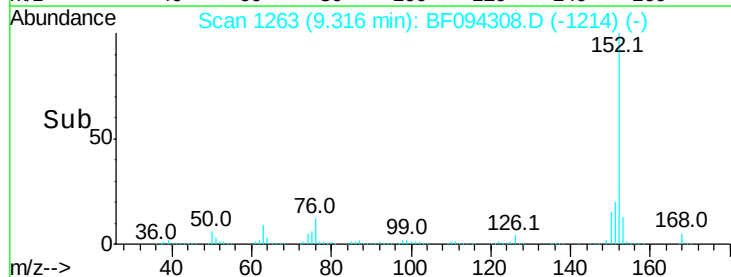
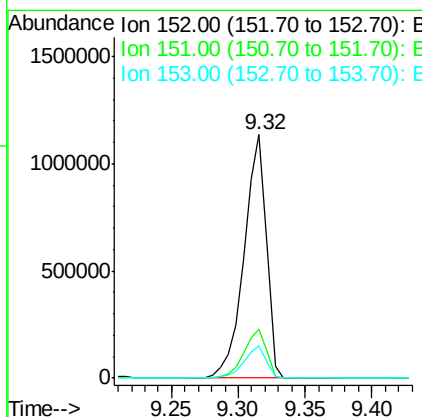
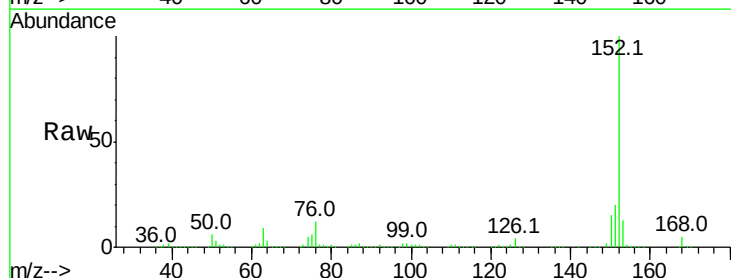
Manual Integrations  
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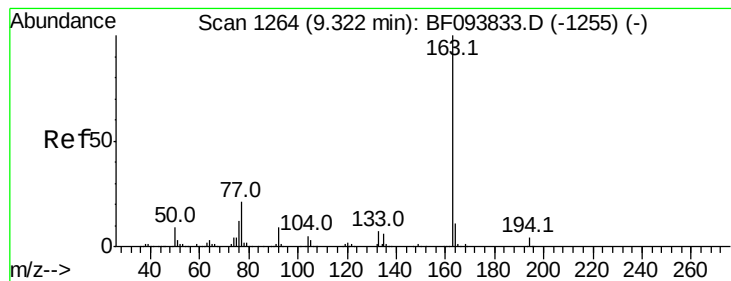
mohammad  
4/11/2017 12:53:01 PM



#48  
Acenaphthylene  
Concen: 40.99 ng  
RT: 9.32 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 16.8  | 25.2  |
| 153     | 13.4  | 10.8  | 16.2  |





#49

Dimethylphthalate

Concen: 46.59 ng

RT: 9.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

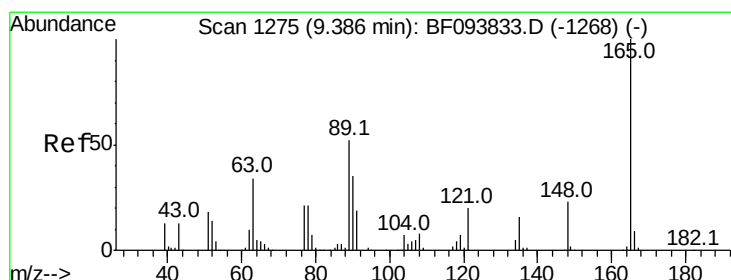
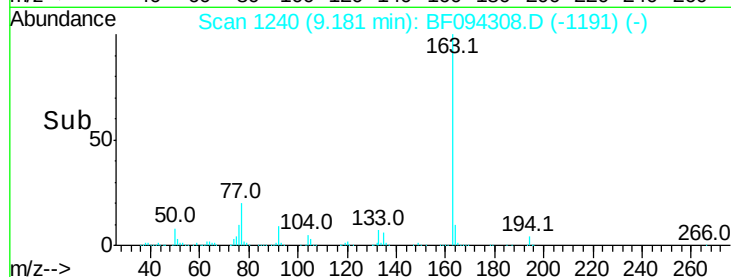
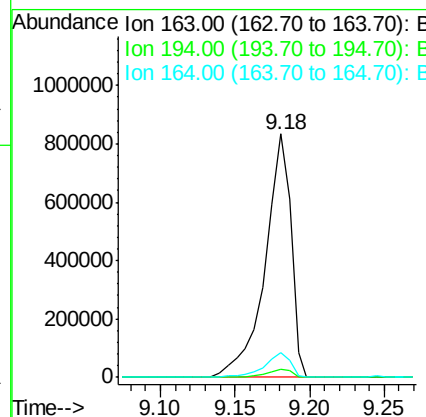
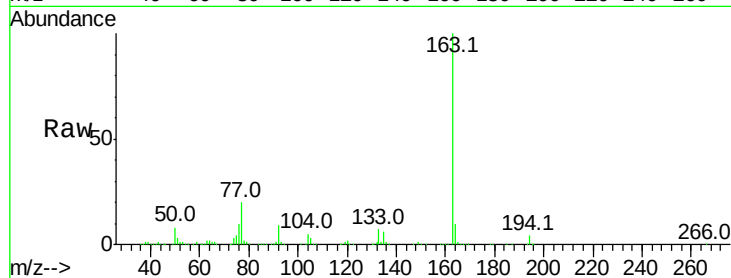
ClientSampleID :

PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 995474 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.5   | 2.6   | 4.0    |
| 164       | 10.2  | 8.4   | 12.6   |

Manual Integrations  
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#50

2,6-Dinitrotoluene

Concen: 45.94 ng

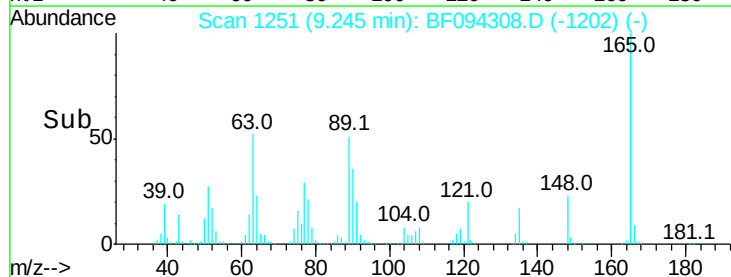
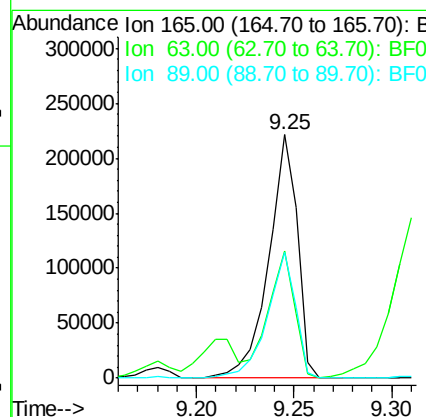
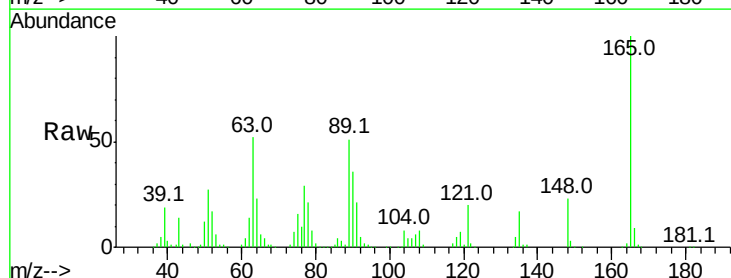
RT: 9.25 min Scan# 1251

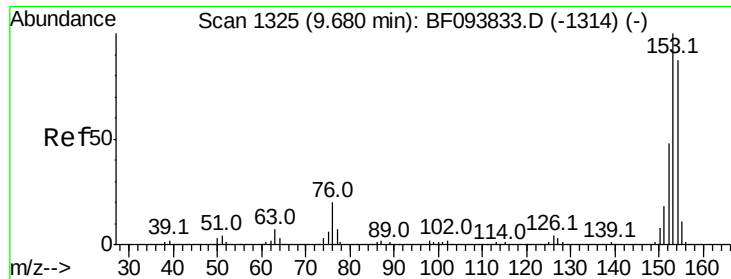
Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 225012 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 52.3  | 34.3  | 51.5#  |
| 89        | 51.4  | 37.1  | 55.7   |





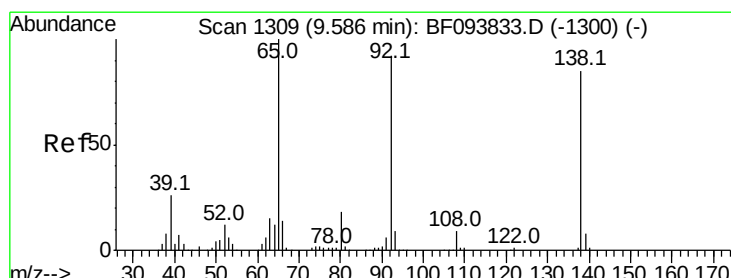
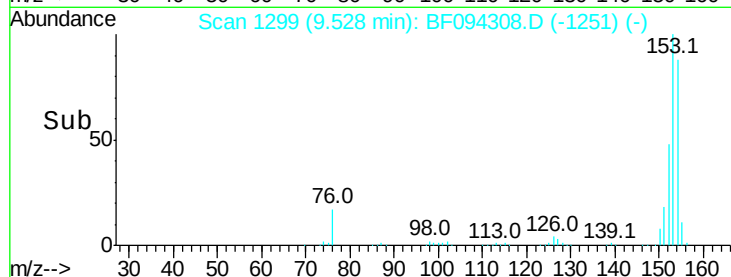
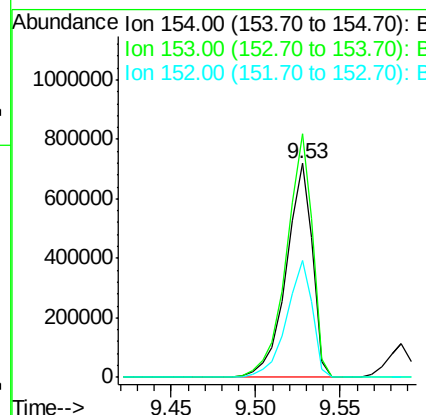
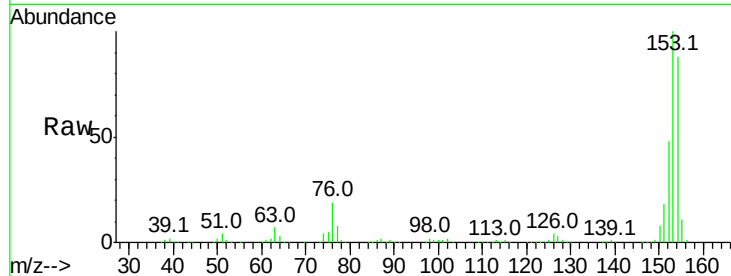
#51  
Acenaphthene  
Concen: 42.18 ng  
RT: 9.53 min Scan# 1299  
Delta R.T. -0.02 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleID :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.8 | 90.5  | 135.7 |
| 152     | 54.5  | 43.6  | 65.4  |

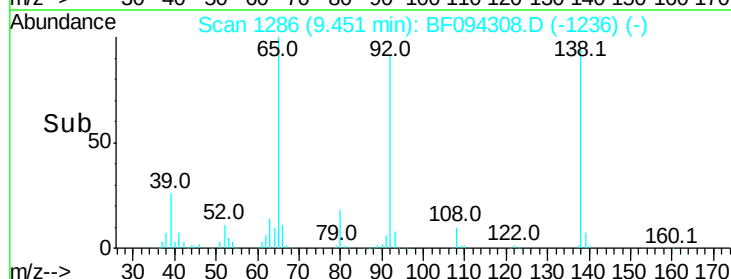
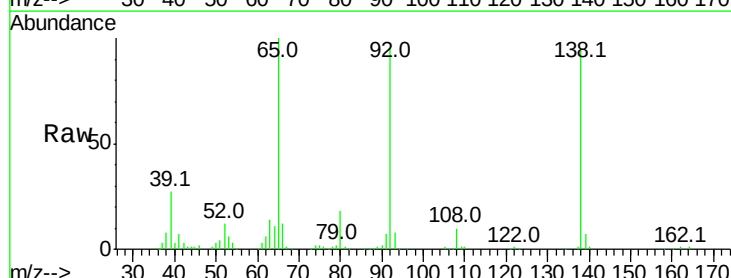
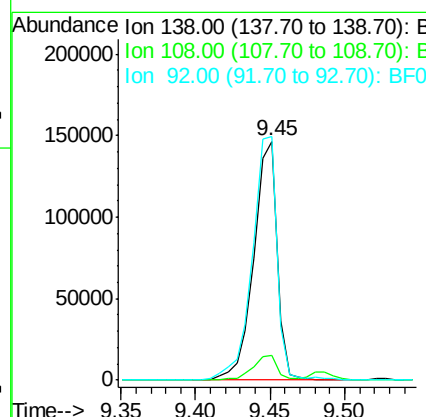
Manual Integrations  
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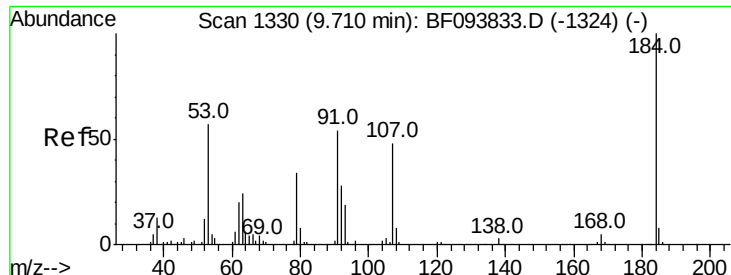
mohammad  
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#52  
3-Nitroaniline  
Concen: 27.62 ng  
RT: 9.45 min Scan# 1286  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.4  | 9.1   | 13.7  |
| 92      | 101.9 | 93.8  | 140.6 |





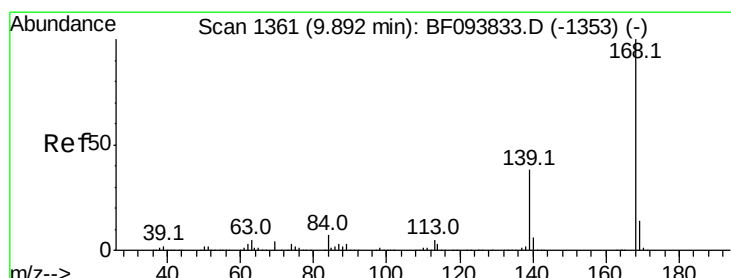
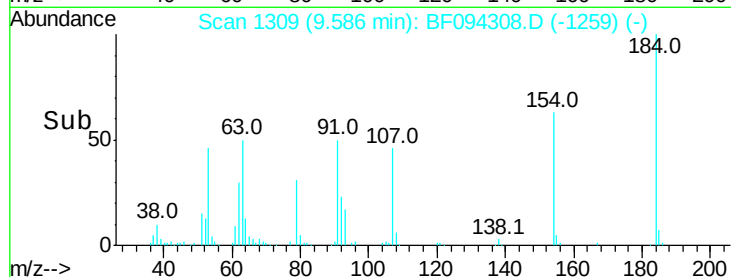
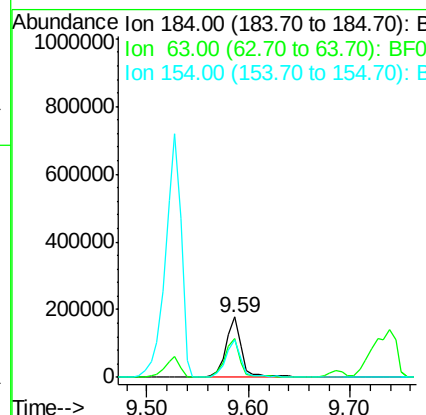
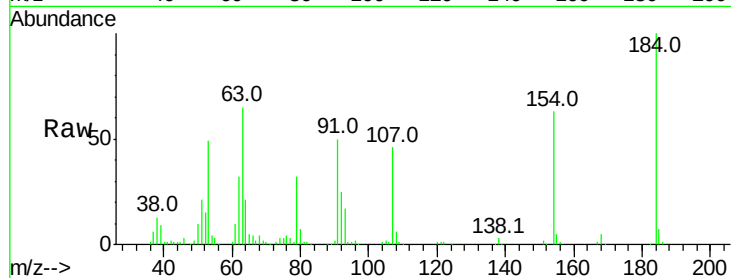
#53  
 2,4-Dinitrophenol  
 Concen: 74.01 ng  
 RT: 9.59 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 193008 |       |       |
| 63      | 65.4  | 62.7   | 94.1  |       |
| 154     | 63.2  | 81.1   | 121.7 |       |

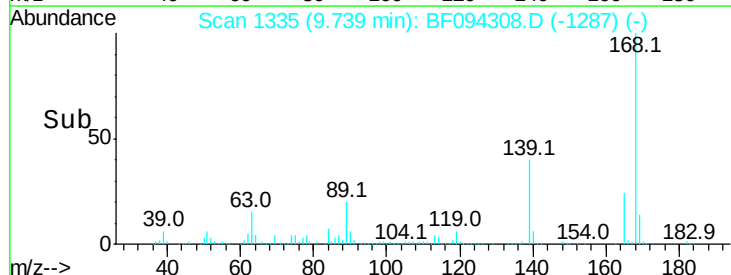
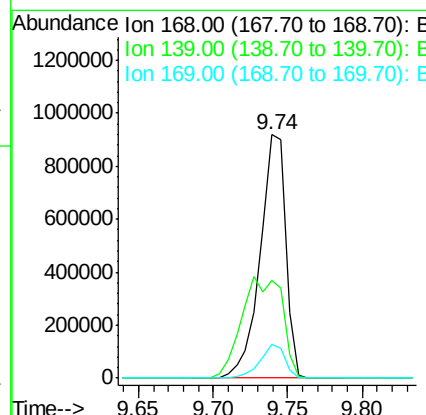
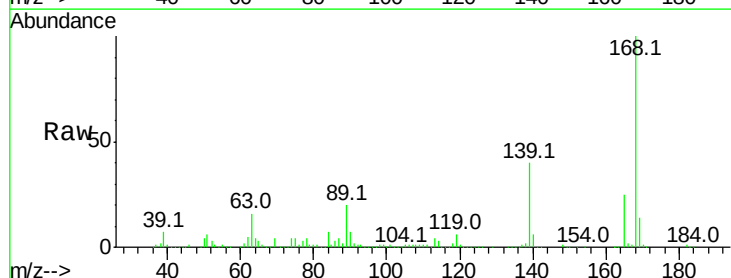
Manual Integrations  
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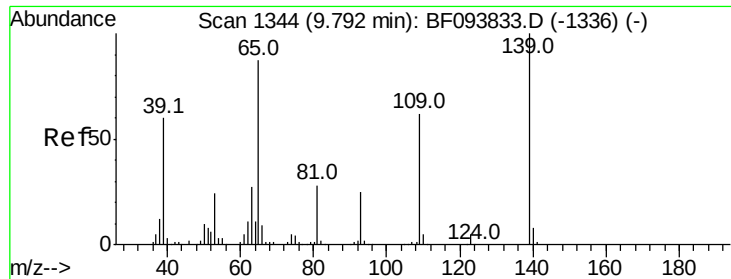
mohammad  
 4/11/2017 12:53:01 PM



#54  
 Dibenzofuran  
 Concen: 43.23 ng  
 RT: 9.74 min Scan# 1335  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1082980 |       |       |
| 139     | 40.4  | 30.6    | 45.8  |       |
| 169     | 13.8  | 10.8    | 16.2  |       |





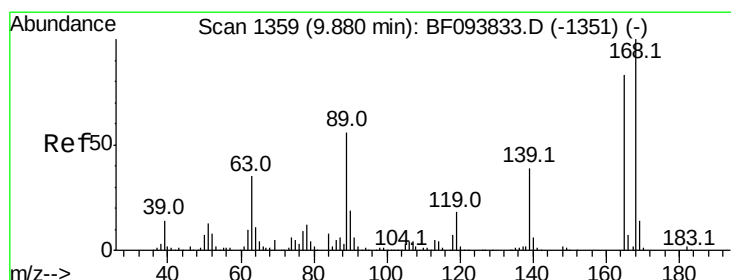
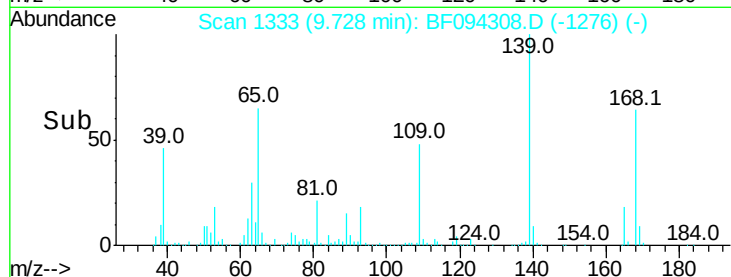
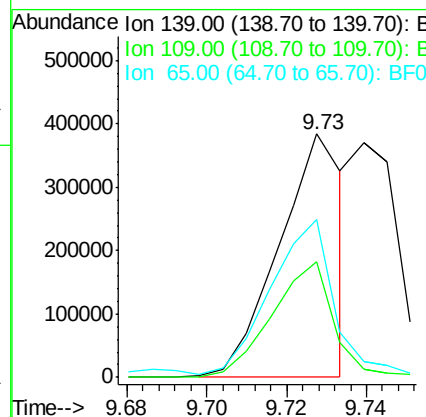
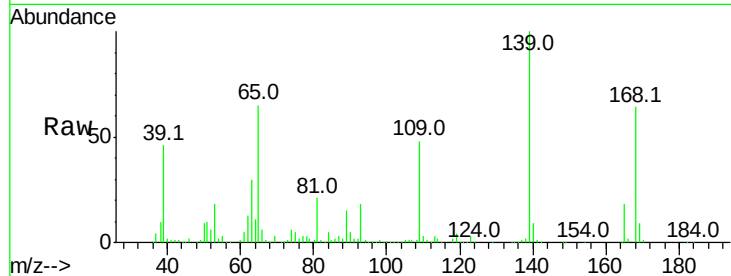
#55  
4-Nitrophenol  
Concen: 96.36 ng/ml  
RT: 9.73 min Scan# 1333  
Delta R.T. 0.04 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleID :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 47.7  | 34.1  | 74.1  |
| 65      | 64.7  | 31.4  | 71.4  |

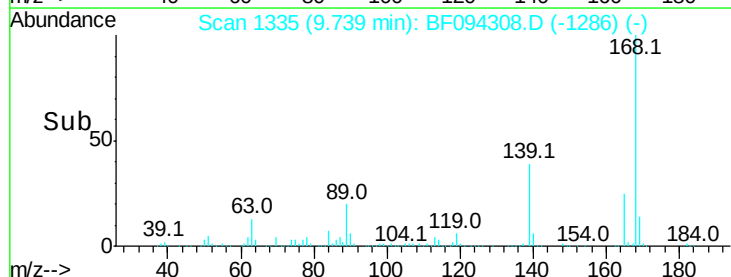
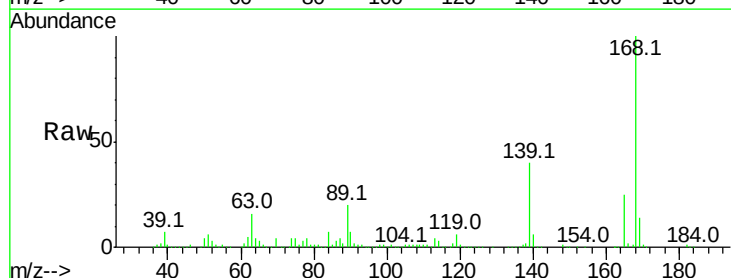
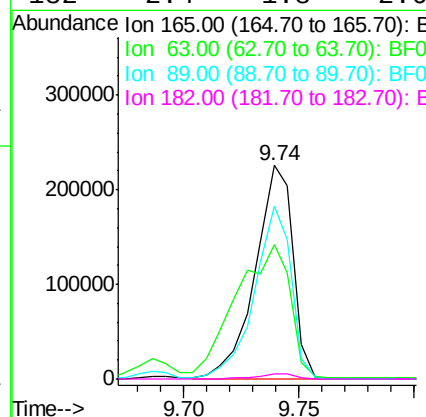
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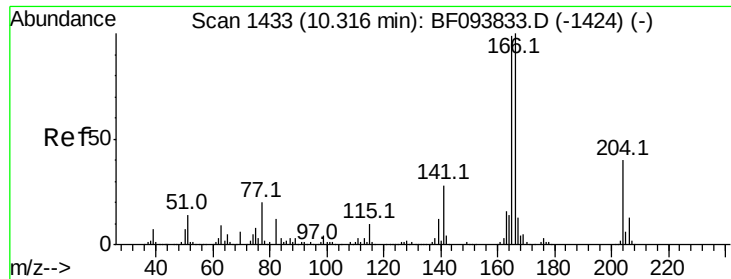


#56  
2,4-Dinitrotoluene  
Concen: 41.94 ng/ml  
RT: 9.74 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 63.2  | 25.4  | 38.0# |
| 89      | 81.1  | 46.4  | 69.6# |
| 182     | 2.4   | 1.8   | 2.6   |







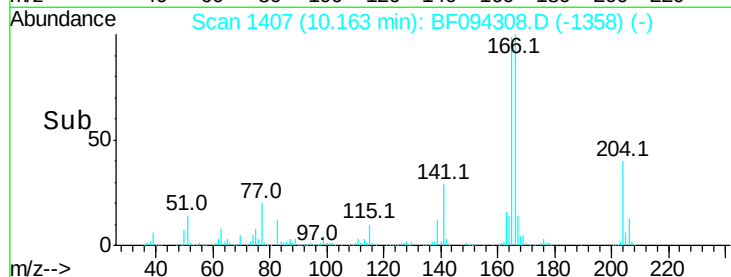
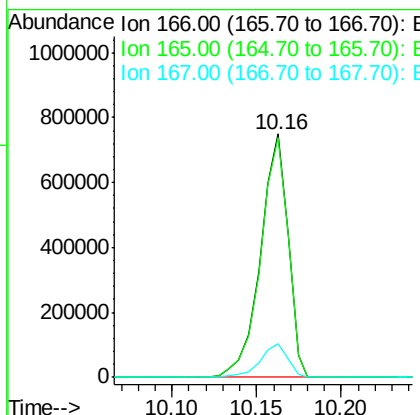
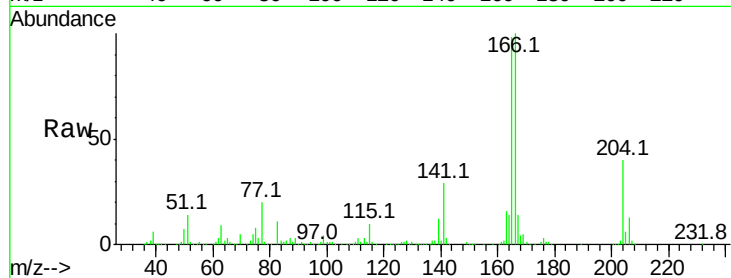
#57  
 Fluorene  
 Concen: 40.71 ng  
 RT: 10.16 min Scan# 1407  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 845764 |       |       |
| 165     | 98.5  | 78.8   | 118.2 |       |
| 167     | 13.8  | 10.6   | 16.0  |       |

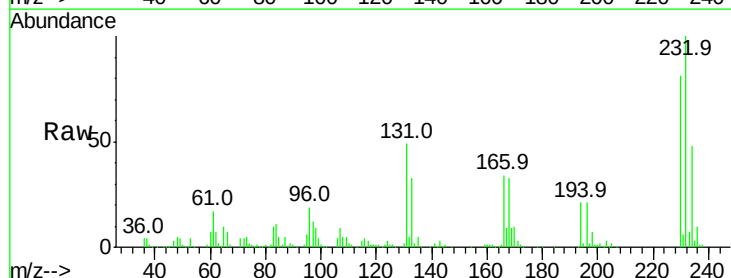
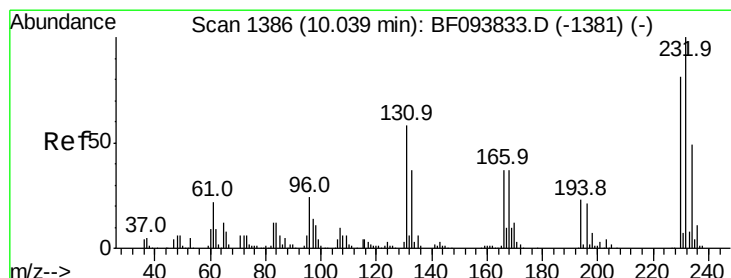
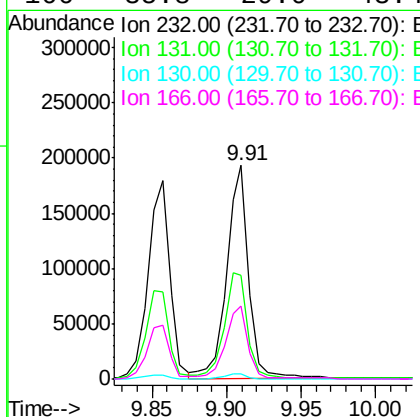
Manual Integrations  
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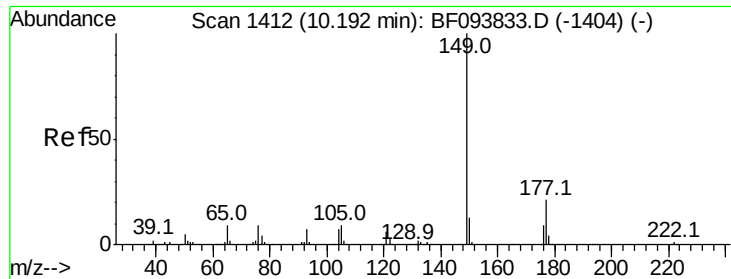
mohammad  
 4/11/2017 12:53:01 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.22 ng  
 RT: 9.91 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 199610 |       |       |
| 131     | 53.7  | 44.8   | 67.2  |       |
| 130     | 2.4   | 2.3    | 3.5   |       |
| 166     | 35.8  | 29.0   | 43.4  |       |





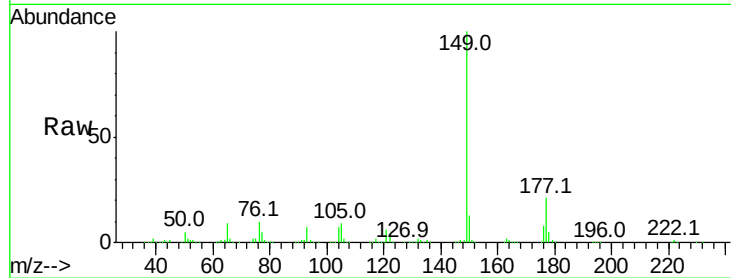
#59  
Diethylphthalate  
Concen: 45.42 ng  
RT: 10.05 min Scan# 1387  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampled :  
PB98131BS

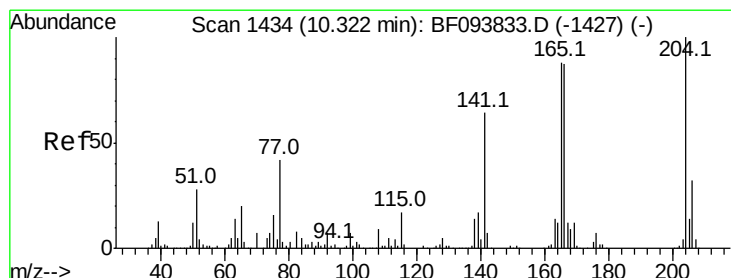
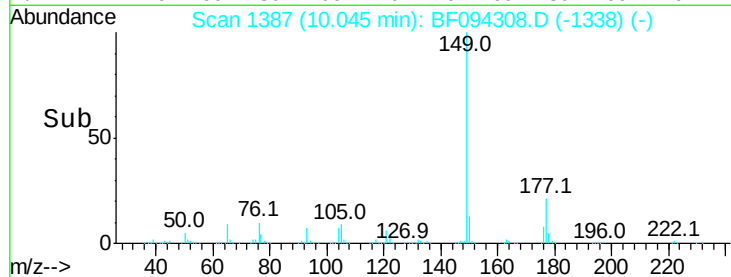
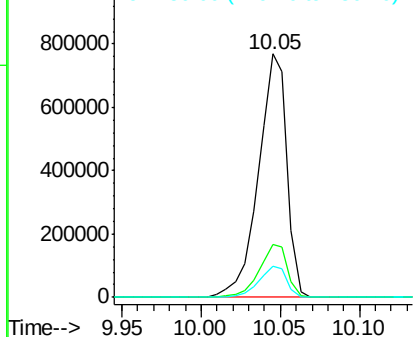
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.5  | 16.7  | 25.1  |
| 150     | 13.0  | 10.2  | 15.2  |

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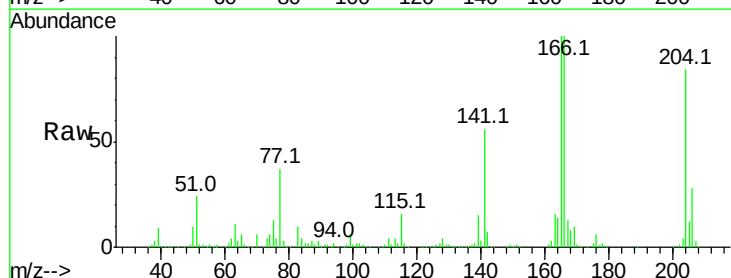


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

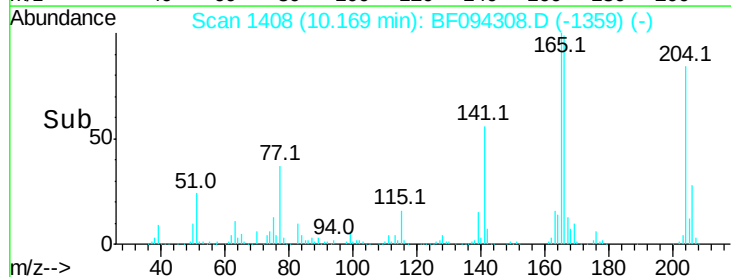
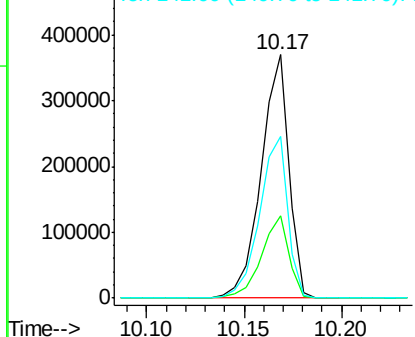


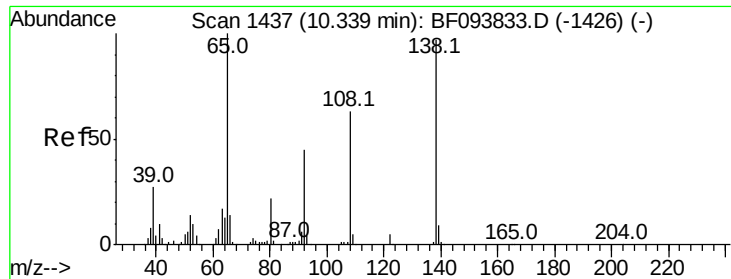
#60  
4-Chlorophenyl-phenylether  
Concen: 41.09 ng  
RT: 10.17 min Scan# 1408  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.8  | 26.2  | 39.2  |
| 141     | 66.4  | 60.8  | 91.2  |



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





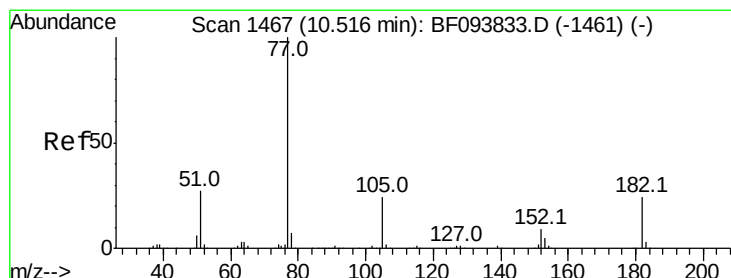
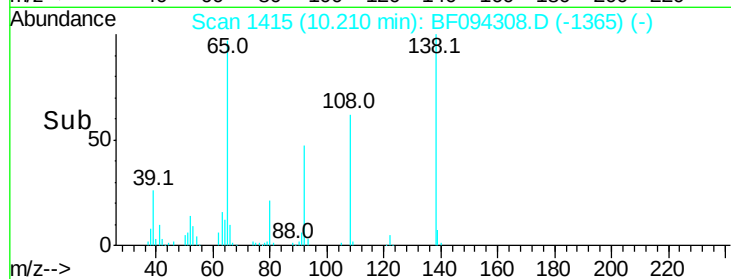
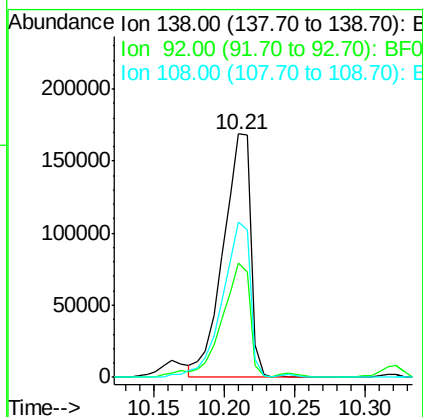
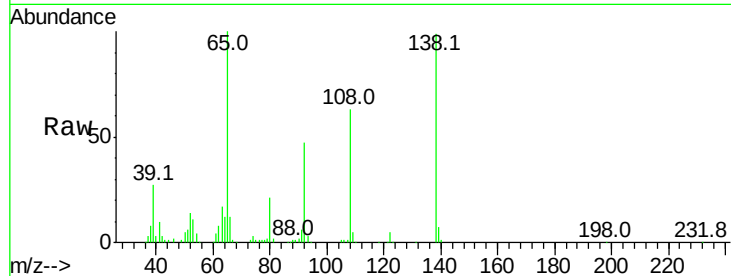
#61  
4-Nitroaniline  
Concen: 41.45 ng  
RT: 10.21 min Scan# 1415  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.8  | 21.8  | 61.8  |
| 108     | 63.8  | 42.3  | 82.3  |

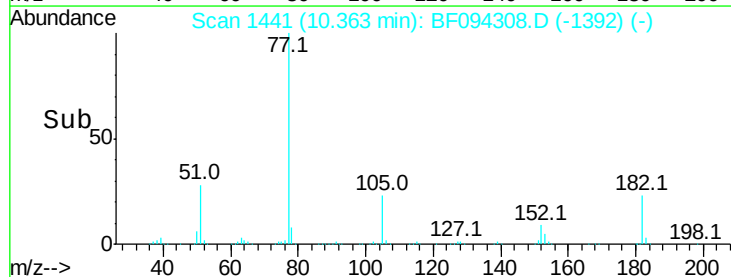
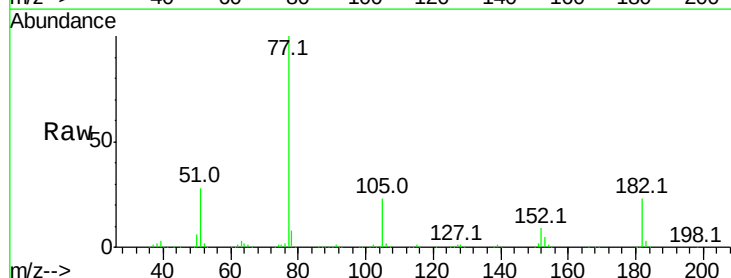
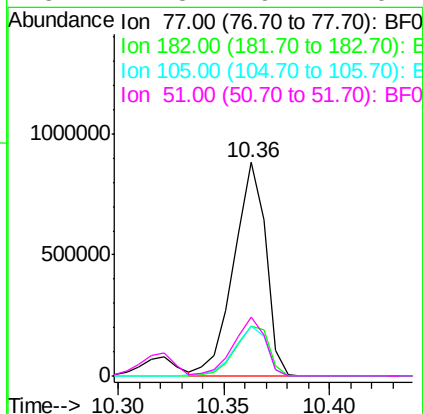
Manual Integrations  
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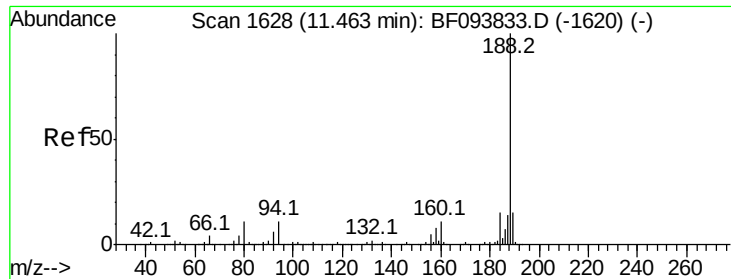
mohammad  
4/11/2017 12:53:01 PM



#62  
Azobenzene  
Concen: 46.24 ng  
RT: 10.36 min Scan# 1441  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 23.3  | 0.1   | 40.1  |
| 105     | 23.4  | 3.6   | 43.6  |
| 51      | 27.8  | 9.4   | 49.4  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

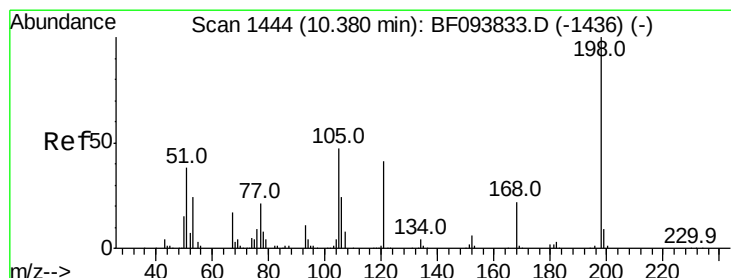
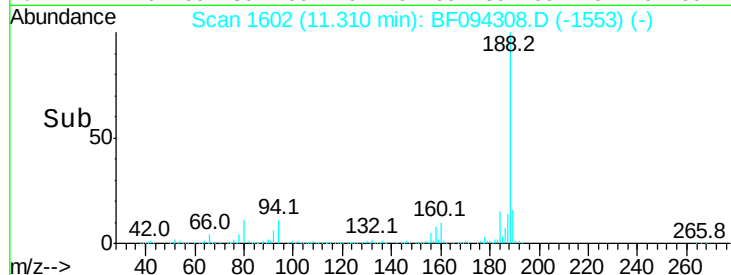
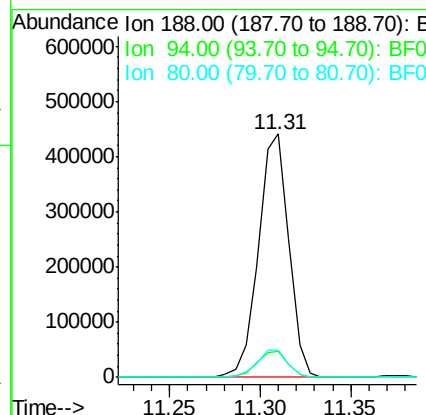
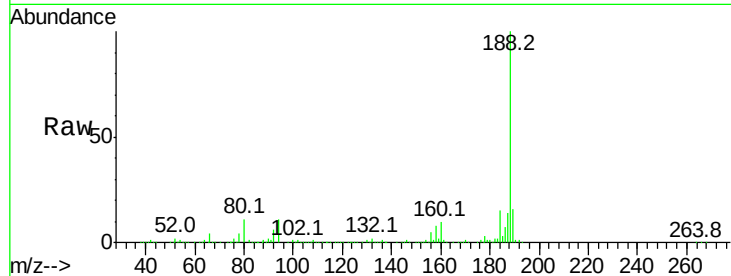
ClientSampleId :

PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 511856 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 11.0  | 9.4   | 14.2   |
| 80        | 11.3  | 10.2  | 15.2   |

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#64

4,6-Dinitro-2-methylphenol

Concen: 45.04 ng

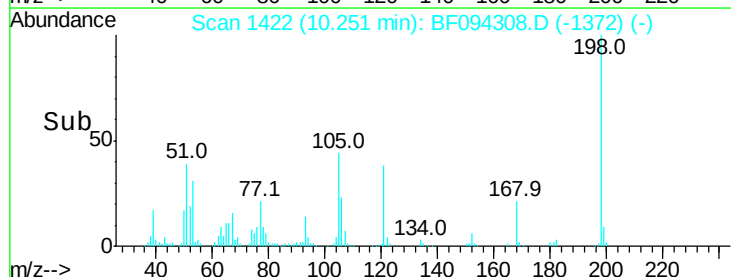
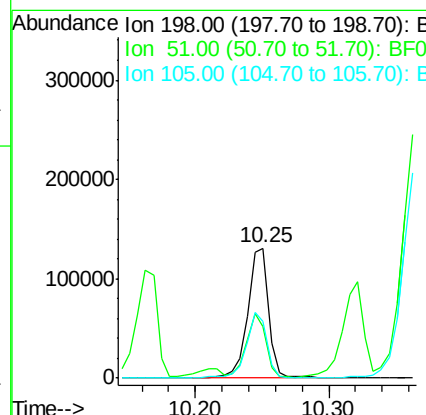
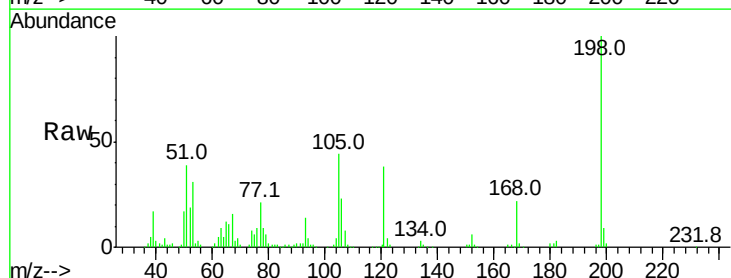
RT: 10.25 min Scan# 1422

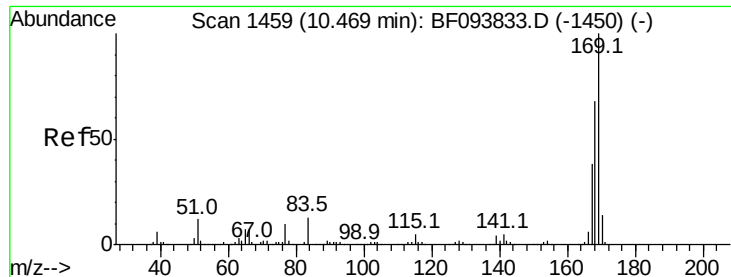
Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 198   | Resp: | 141174 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 39.3  | 53.2  | 93.2#  |
| 105       | 44.0  | 45.8  | 85.8#  |





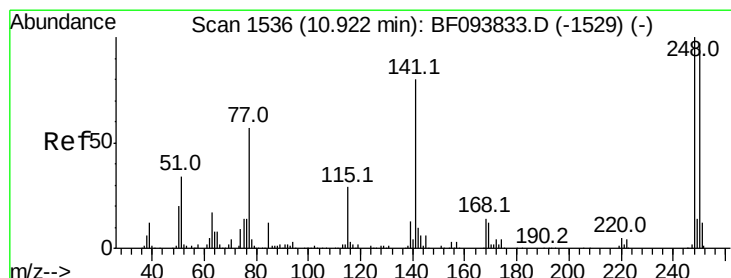
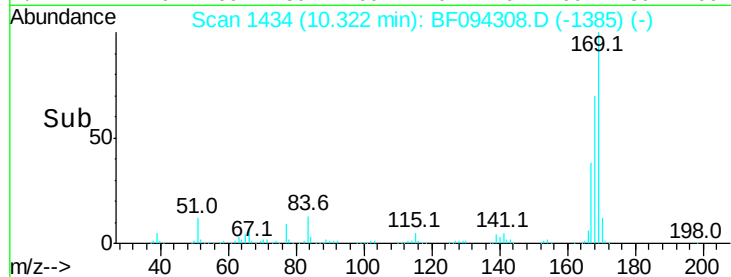
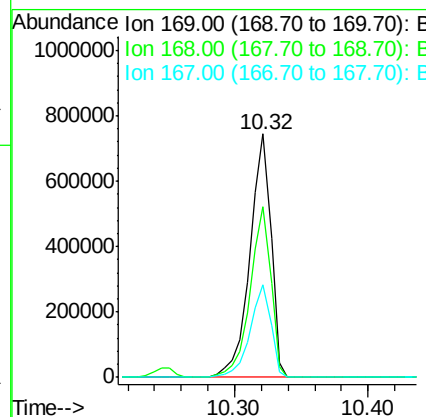
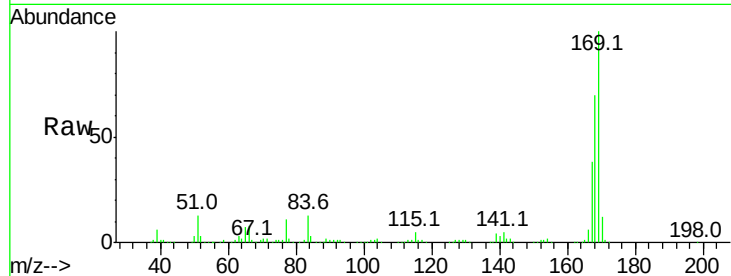
#65  
 n-Nitrosodiphenylamine  
 Concen: 45.60 ng  
 RT: 10.32 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.1  | 53.2  | 79.8  |
| 167     | 38.1  | 29.5  | 44.3  |

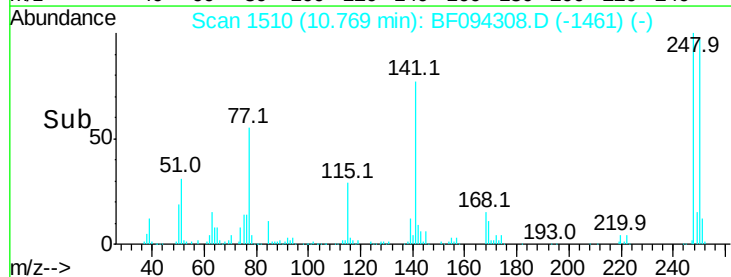
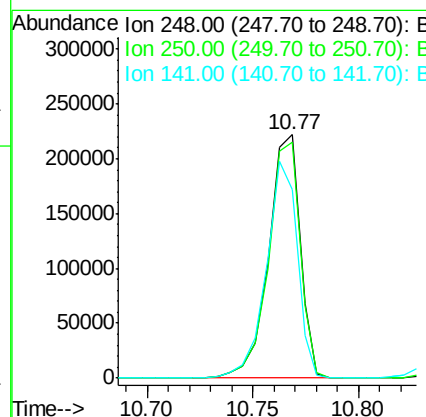
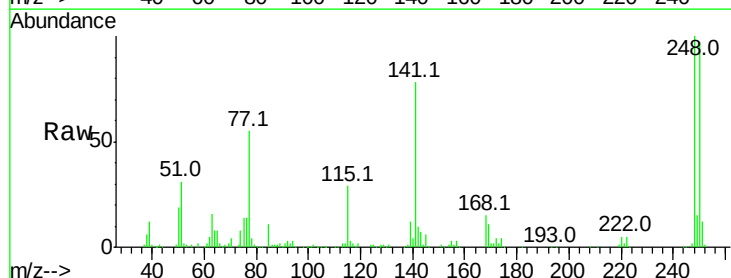
Manual Integrations  
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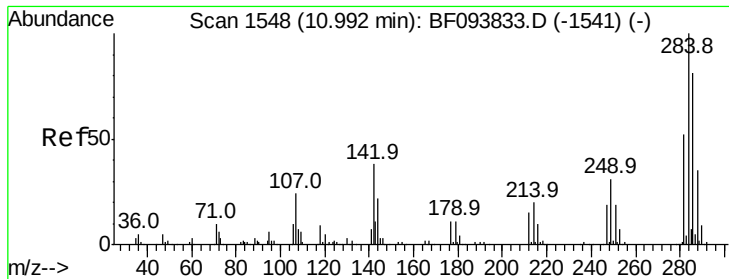
mohammad  
 4/11/2017 12:53:01 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.27 ng  
 RT: 10.77 min Scan# 1510  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.1  | 76.8  | 115.2 |
| 141     | 77.7  | 68.6  | 103.0 |





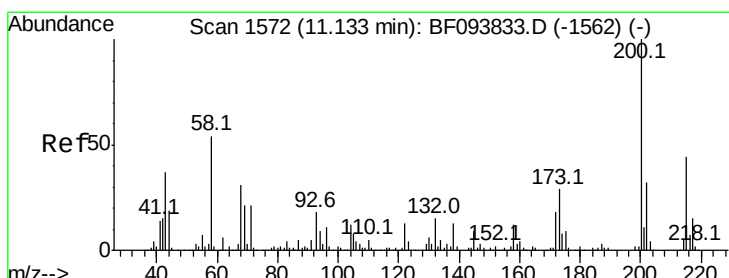
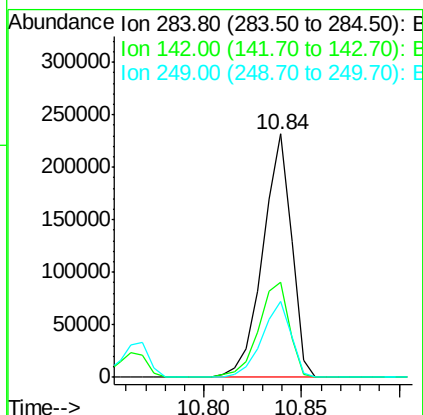
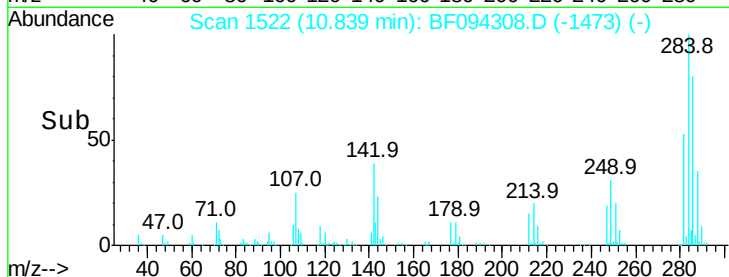
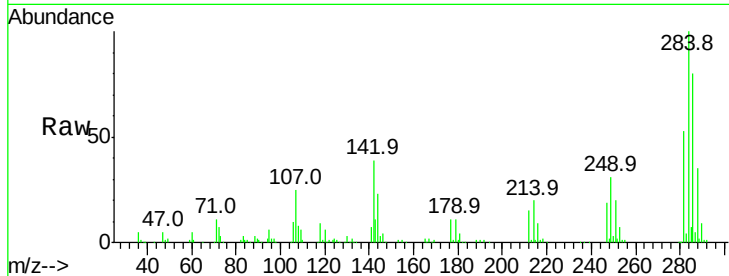
#67  
Hexachlorobenzene  
Concen: 46.46 ng  
RT: 10.84 min Scan# 1522  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 236750 |       |       |
| 142     | 39.0  | 22.8   | 34.2# |       |
| 249     | 31.3  | 24.0   | 36.0  |       |

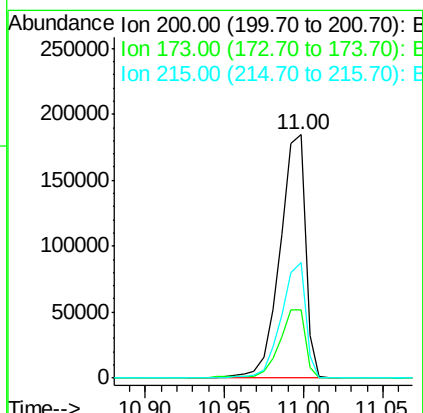
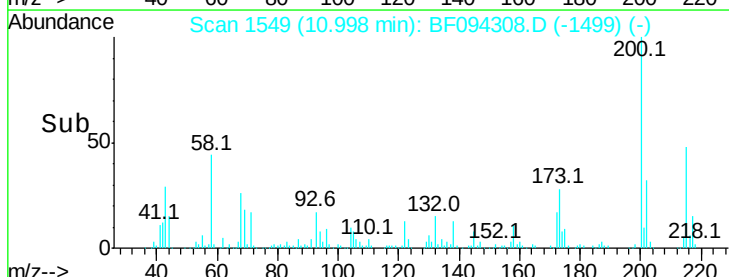
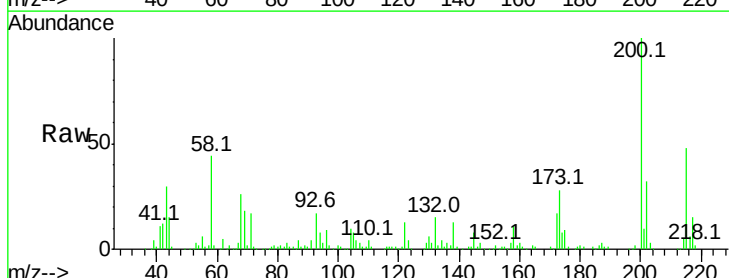
Manual Integrations  
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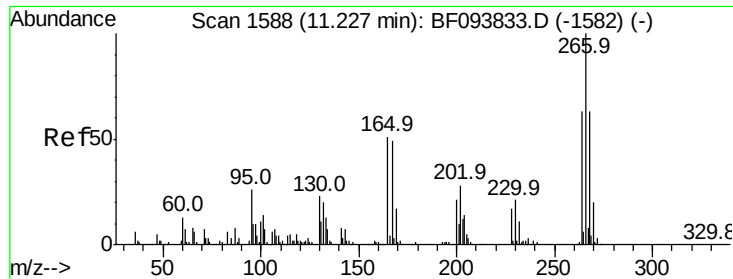
mohammad  
4/11/2017 12:53:01 PM



#68  
Atrazine  
Concen: 38.90 ng  
RT: 11.00 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 206239 |       |       |
| 173     | 28.1  | 6.3    | 46.3  |       |
| 215     | 47.6  | 27.2   | 67.2  |       |





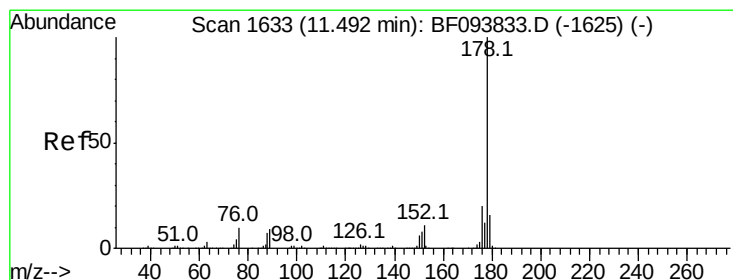
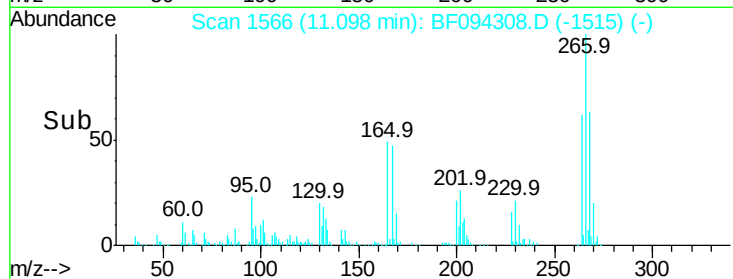
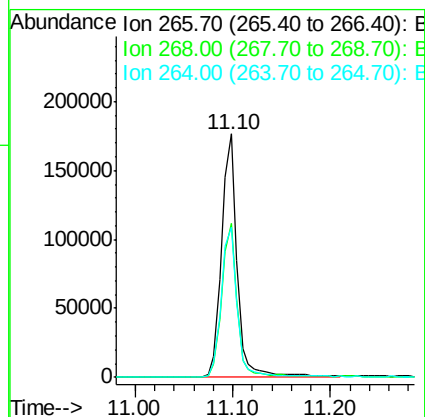
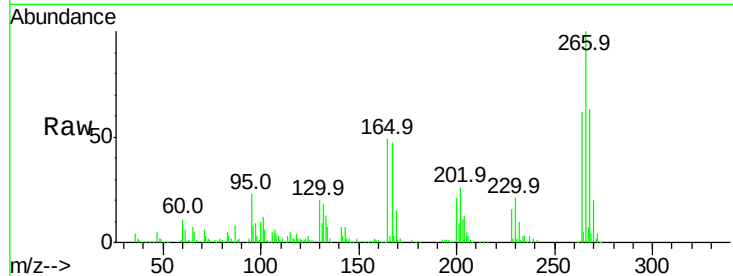
#69  
 Pentachlorophenol  
 Concen: 62.70 ng  
 RT: 11.10 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 198868 |       |       |
| 268     | 63.4  | 51.1   | 76.7  |       |
| 264     | 61.6  | 51.7   | 77.5  |       |

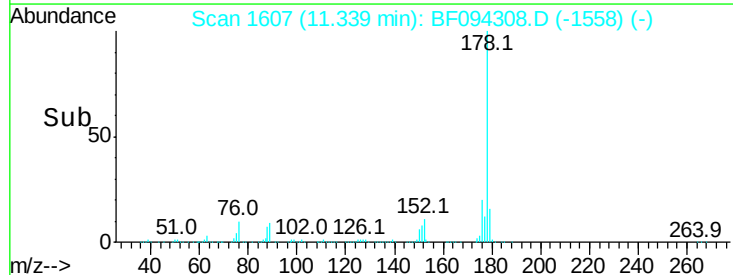
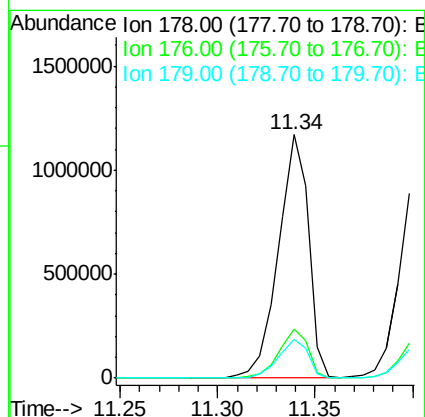
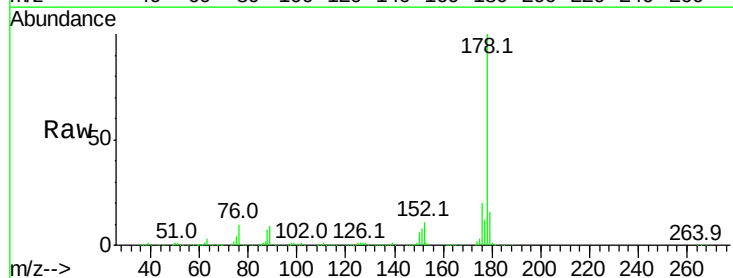
Manual Integrations  
 APPROVED

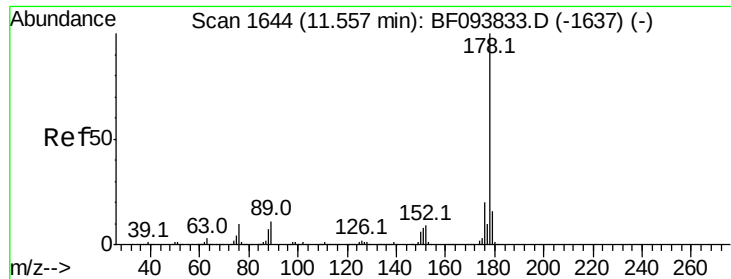
mohammad  
 4/11/2017 12:53:01 PM



#70  
 Phenanthrene  
 Concen: 43.93 ng  
 RT: 11.34 min Scan# 1607  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1250762 |       |       |
| 176     | 19.9  | 16.2    | 24.4  |       |
| 179     | 15.7  | 12.6    | 19.0  |       |





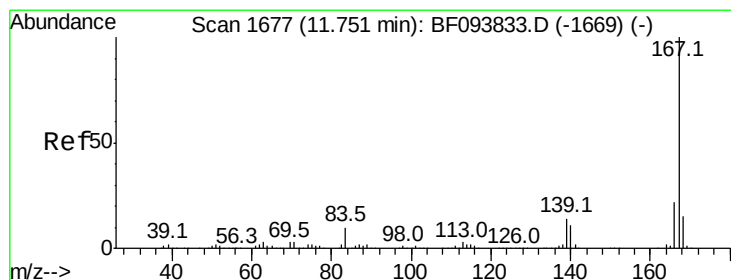
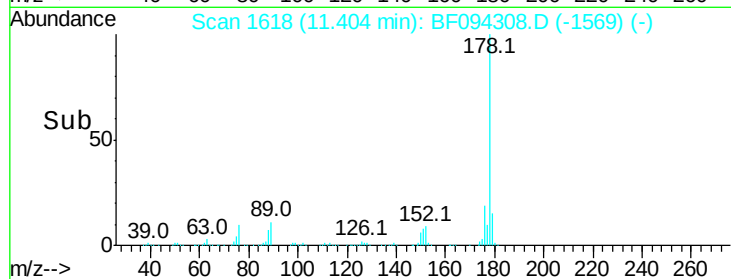
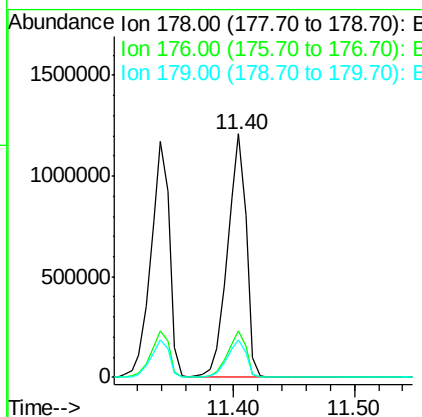
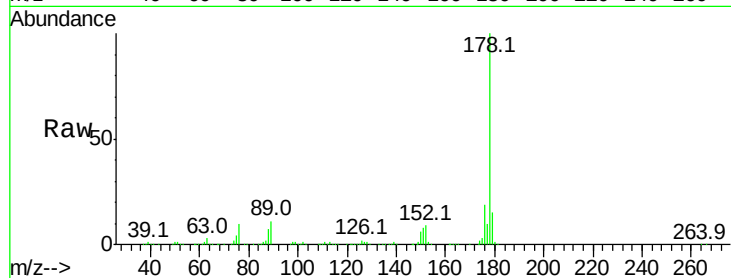
#71  
 Anthracene  
 Concen: 44.25 ng  
 RT: 11.40 min Scan# 1618  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

Tot Ion:178 Resp: 1297242  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.8 23.8  
 179 15.5 12.7 19.1

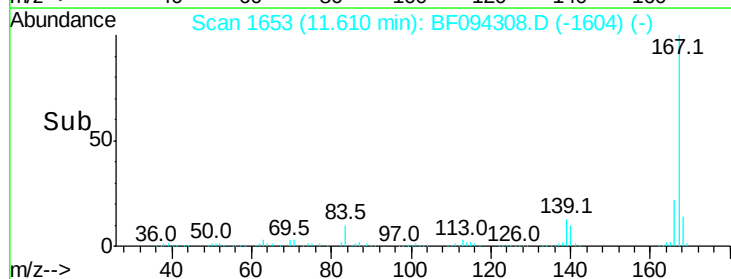
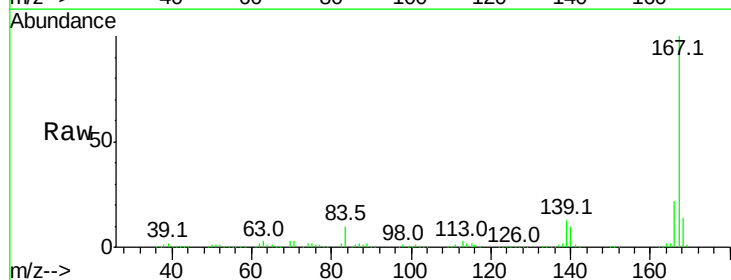
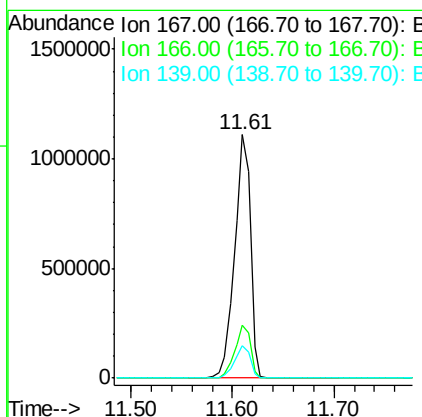
Manual Integrations  
 APPROVED

mohammad  
 4/11/2017 12:53:01 PM

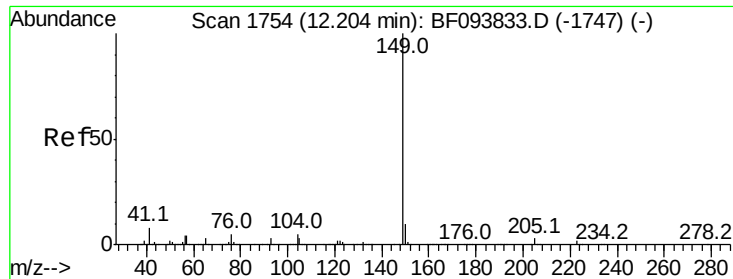


#72  
 Carbazole  
 Concen: 39.94 ng  
 RT: 11.61 min Scan# 1653  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Tgt Ion:167 Resp: 1200793  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 18.1 27.1  
 139 13.5 11.7 17.5







#73

Di-n-butylphthalate

Concen: 46.90 ng

RT: 12.06 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleId :

PB98131BS

Tot Ion:149 Resp: 1466270

Ion Ratio Lower Upper

149 100

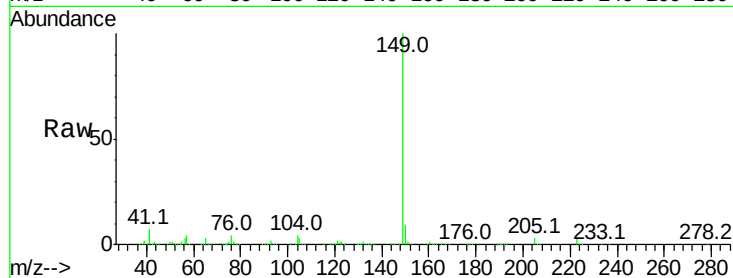
150 9.2 7.7 11.5

104 4.4 4.0 6.0

Manual Integrations  
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mohammad

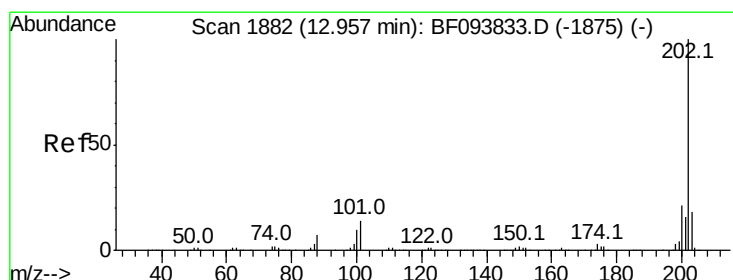
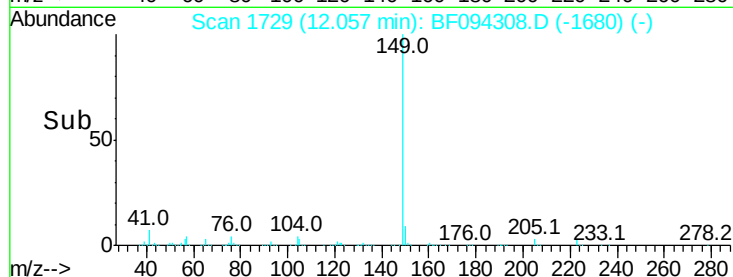
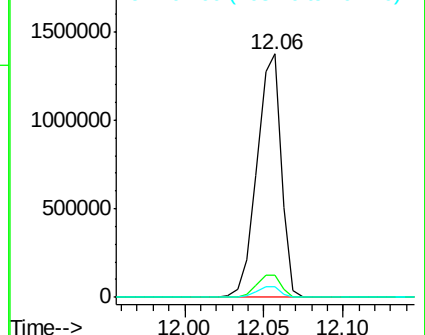
4/11/2017 12:53:01 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.33 ng

RT: 12.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

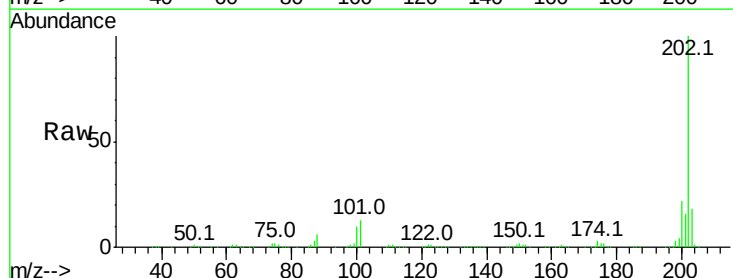
Tgt Ion:202 Resp: 1263201

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

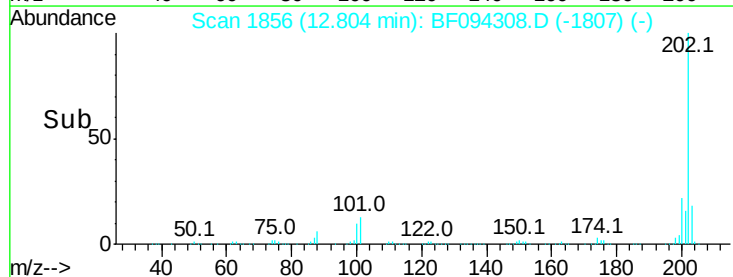
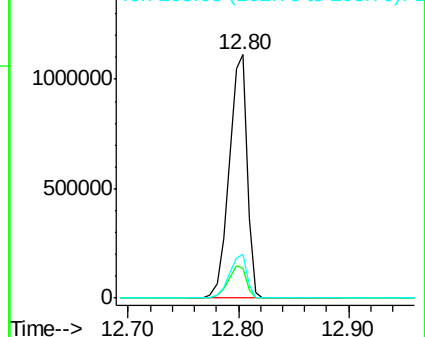
203 17.9 0.0 38.1

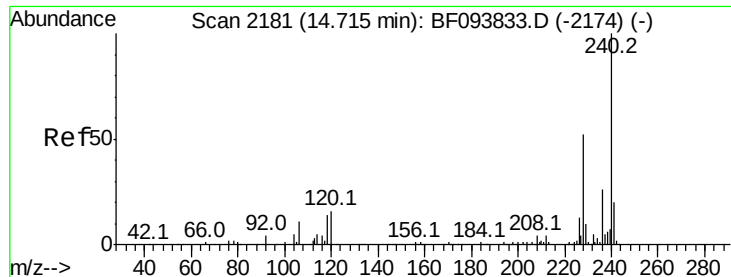


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

ClientSampleId :

PB98131BS

Tot Ion:240 Resp: 365930  
Ion Ratio Lower Upper

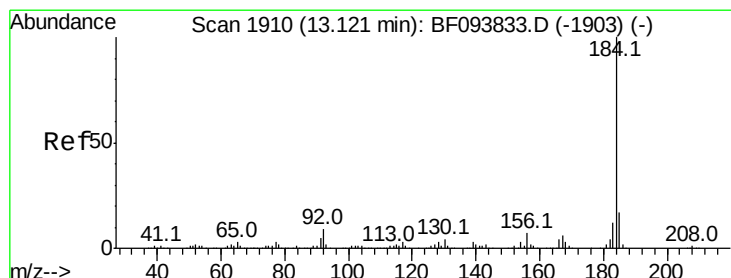
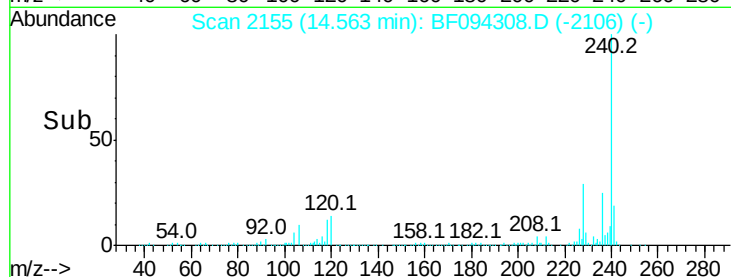
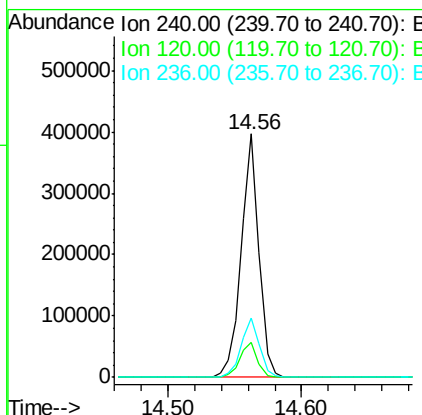
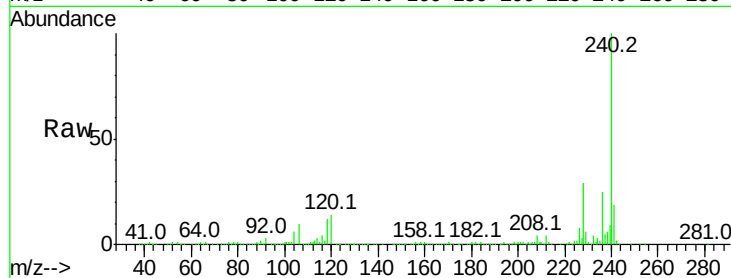
240 100

120 14.3 5.8 8.8#

236 24.6 20.5 30.7

Manual Integrations  
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mohammad  
4/11/2017 12:53:01 PM



#76

Benzidine

Concen: 26.58 ng

RT: 12.97 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BF094308.D

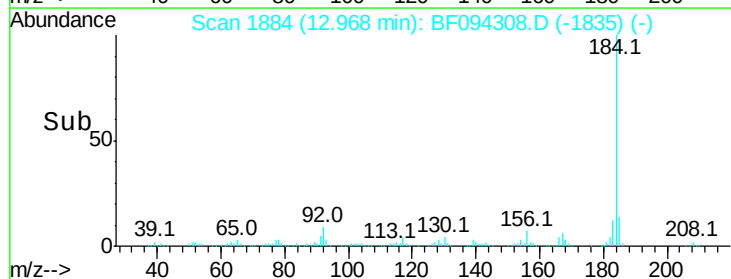
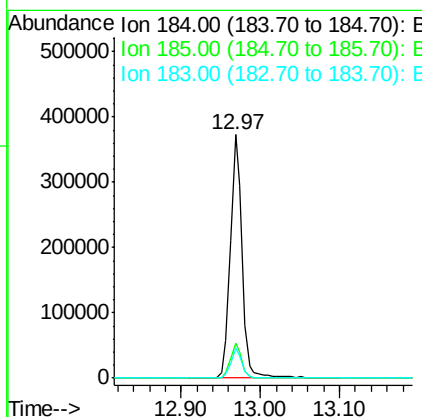
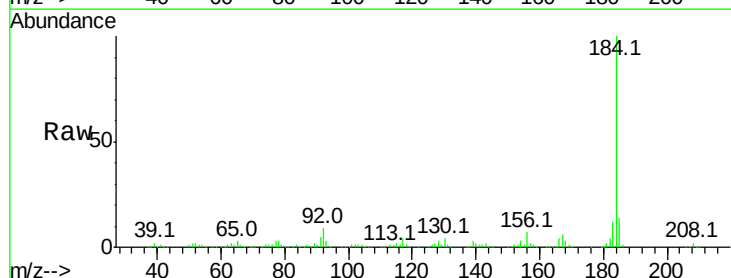
Acq: 10 Apr 2017 13:54

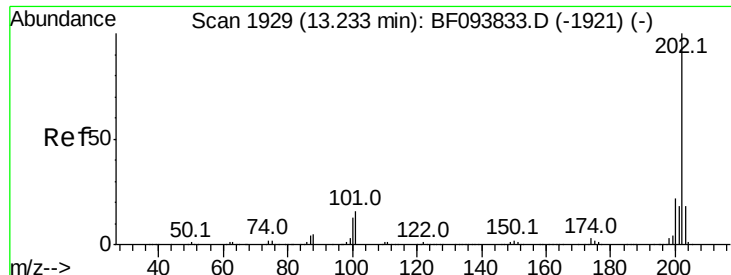
Tgt Ion:184 Resp: 384917  
Ion Ratio Lower Upper

184 100

185 14.5 15.5 23.3#

183 12.1 9.8 14.6





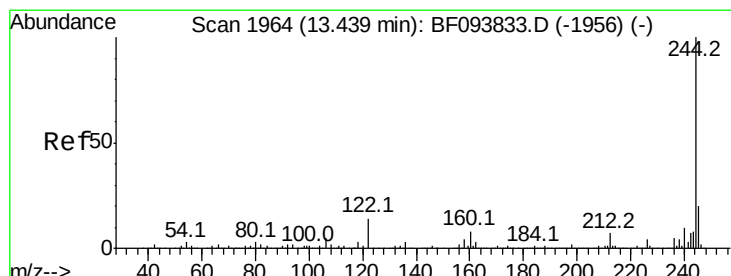
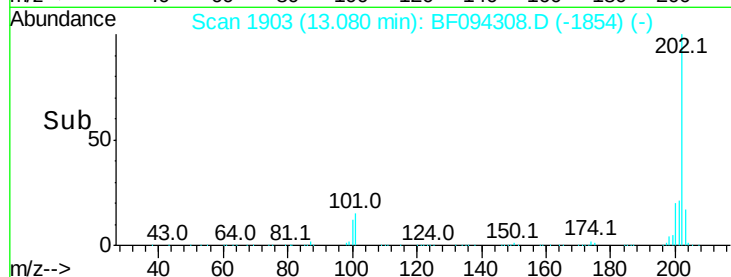
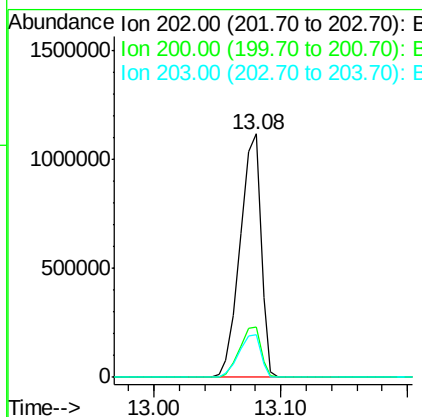
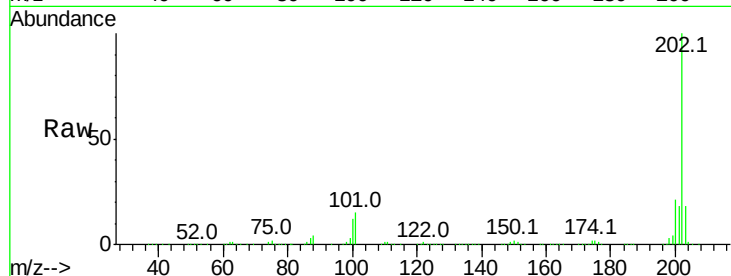
#77  
Pvrene  
Concen: 47.87 ng  
RT: 13.08 min Scan# 1903  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampled :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 17.6  | 26.4  |
| 203     | 17.5  | 14.4  | 21.6  |

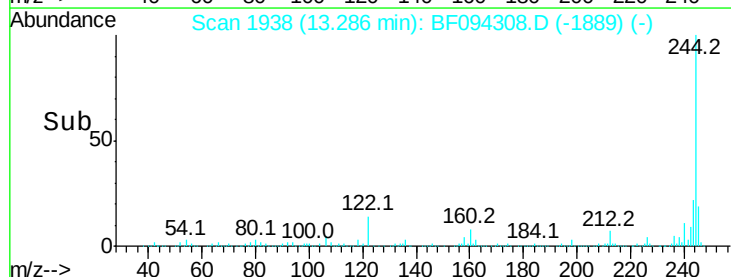
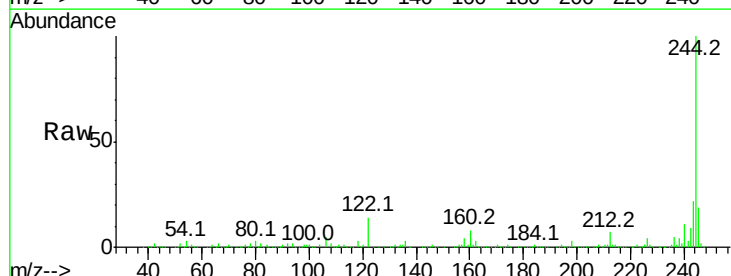
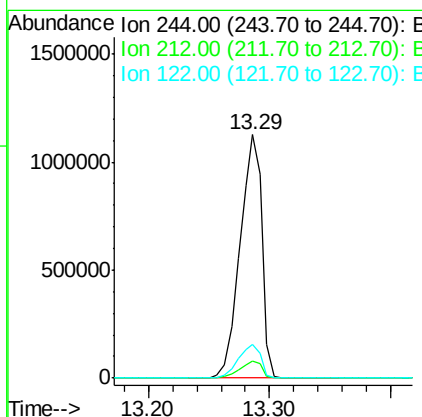
Manual Integrations  
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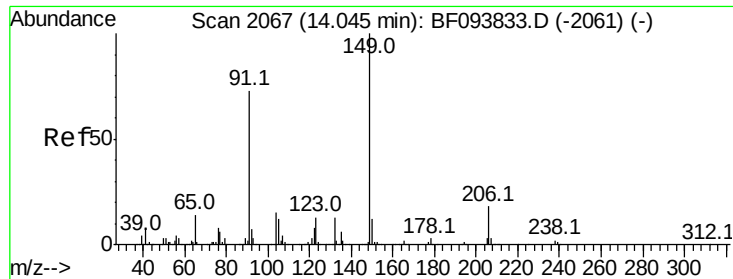
mohammad  
4/11/2017 12:53:01 PM



#78  
Terphenyl-d14  
Concen: 86.57 ng  
RT: 13.29 min Scan# 1938  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.0   | 9.0   |
| 122     | 13.8  | 10.3  | 15.5  |





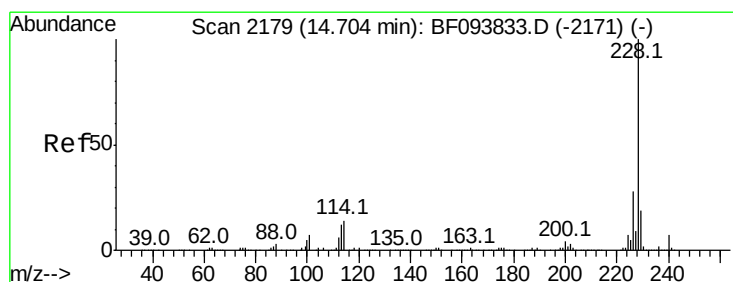
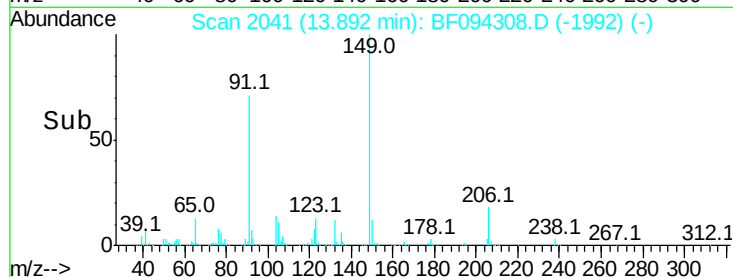
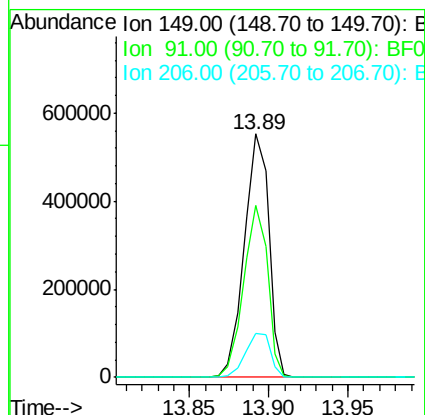
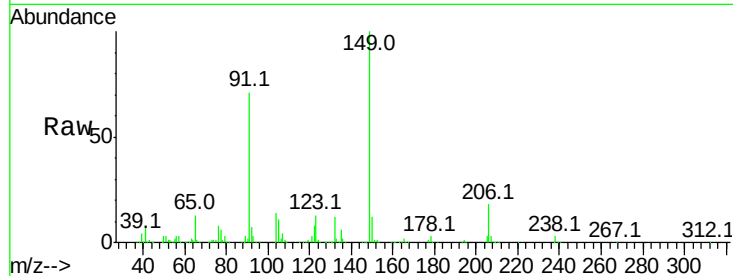
#79  
Butylbenzylphthalate  
Concen: 52.45 ng  
RT: 13.89 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 593521 |       |       |
| 91      | 70.8  | 45.0   | 67.4# |       |
| 206     | 18.1  | 17.0   | 25.6  |       |

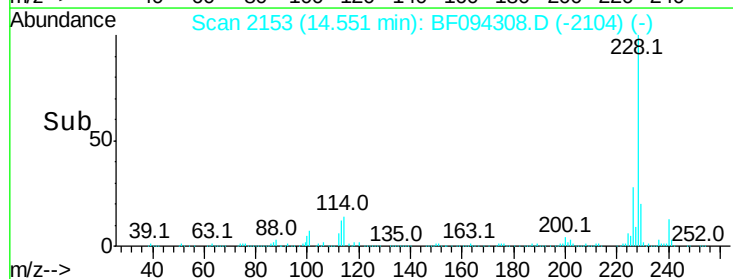
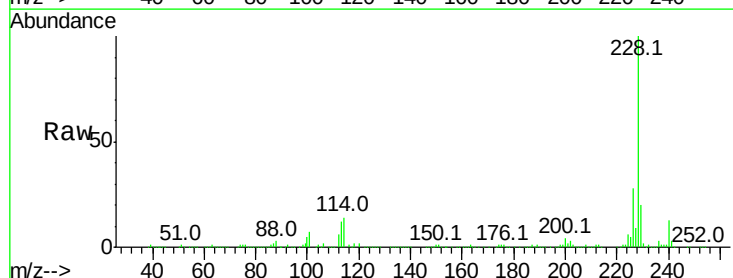
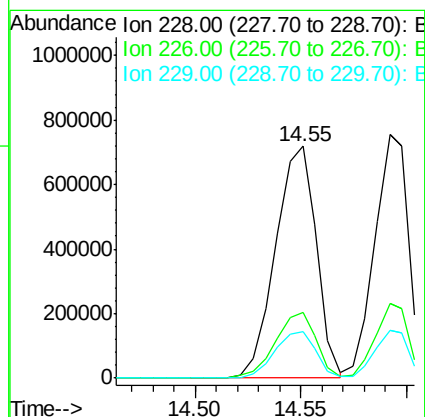
Manual Integrations  
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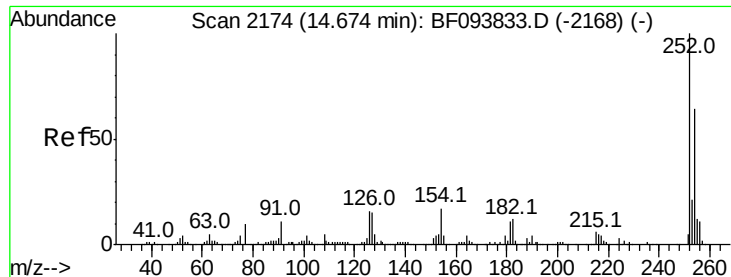
mohammad  
4/11/2017 12:53:01 PM



#80  
Benzo(a)anthracene  
Concen: 45.43 ng  
RT: 14.55 min Scan# 2153  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 969415 |       |       |
| 226     | 28.1  | 22.6   | 33.8  |       |
| 229     | 19.9  | 16.3   | 24.5  |       |





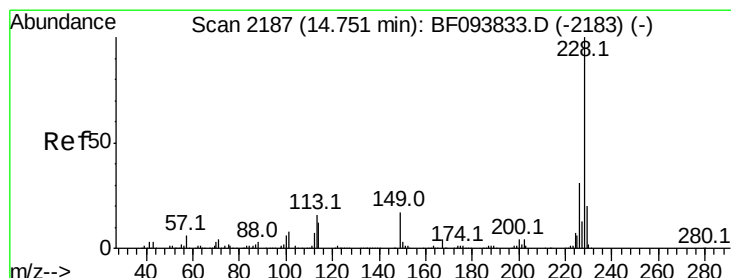
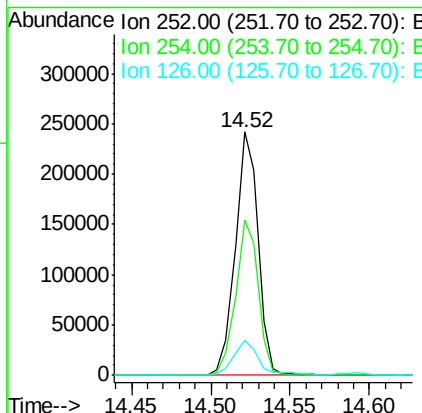
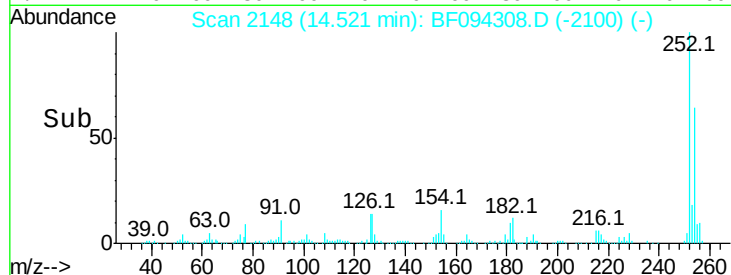
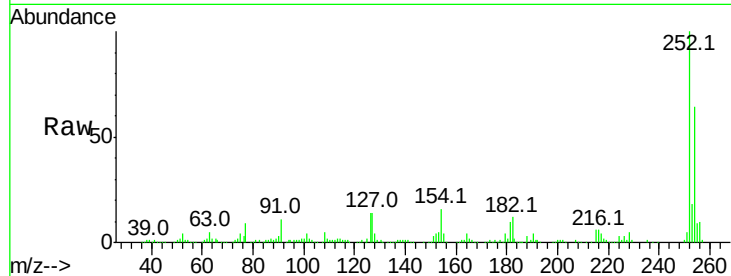
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.55 ng  
 RT: 14.52 min Scan# 2148  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 240612 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 63.8  | 51.5  | 77.3   |
| 126       | 14.5  | 15.8  | 23.8#  |

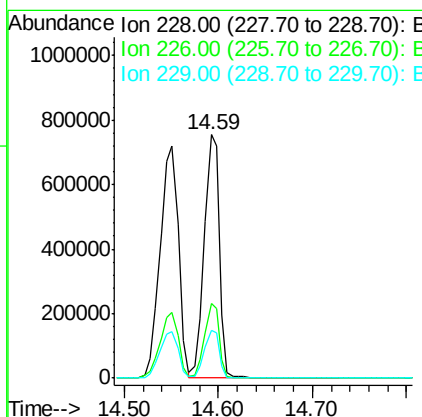
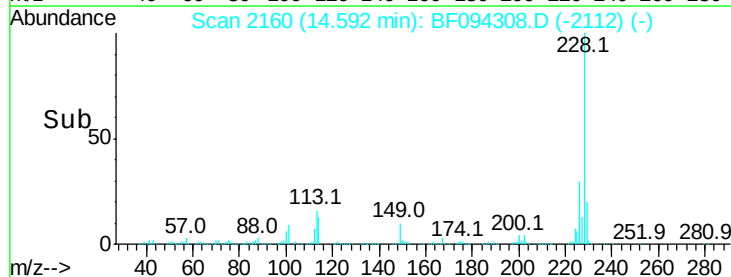
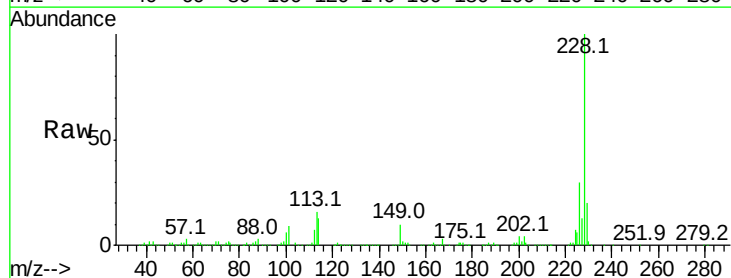
Manual Integrations  
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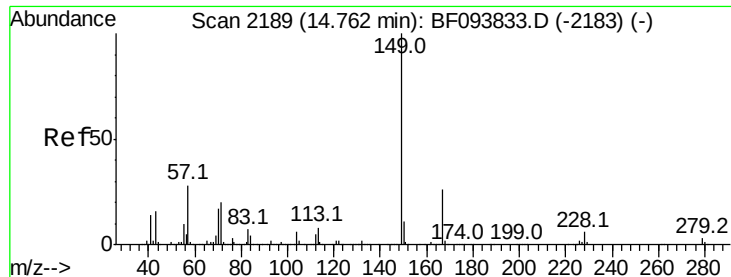
mohammad  
 4/11/2017 12:53:01 PM



#82  
 Chrysene  
 Concen: 43.06 ng  
 RT: 14.59 min Scan# 2160  
 Delta R.T. -0.02 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 852769 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.4  | 24.9  | 37.3   |
| 229       | 19.7  | 15.8  | 23.6   |





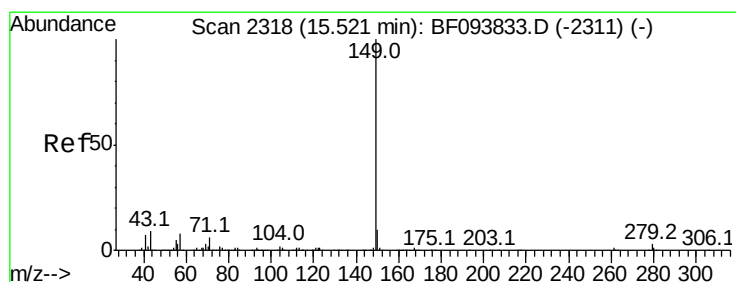
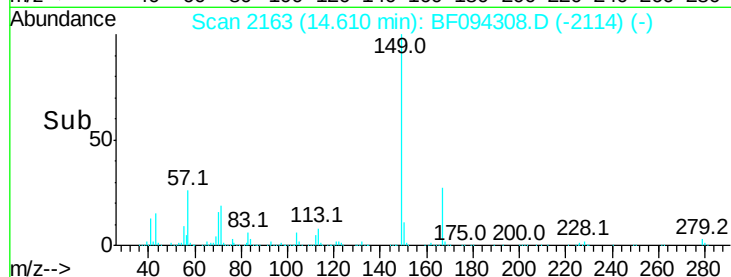
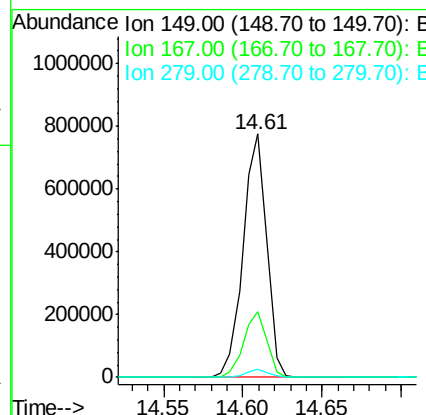
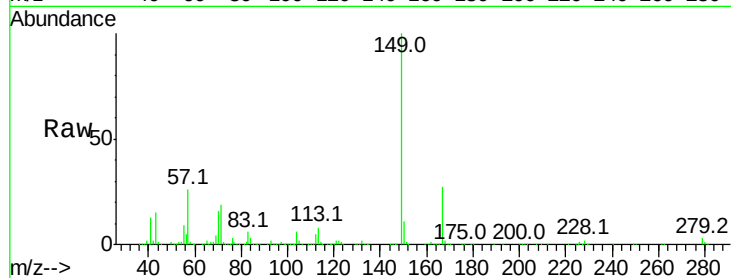
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 51.46 ng  
 RT: 14.61 min Scan# 2163  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 21.0  | 31.4  |
| 279     | 3.3   | 1.9   | 2.9   |

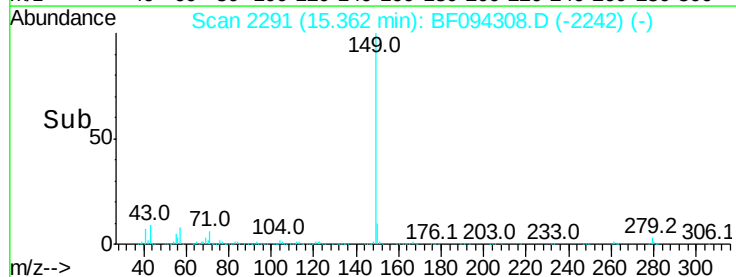
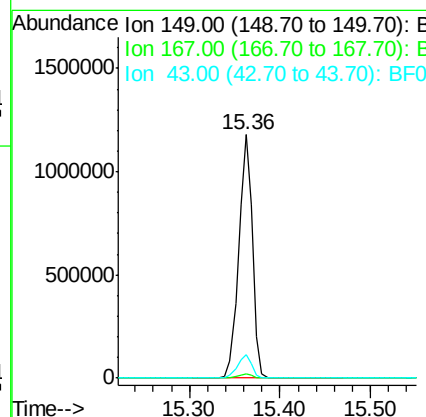
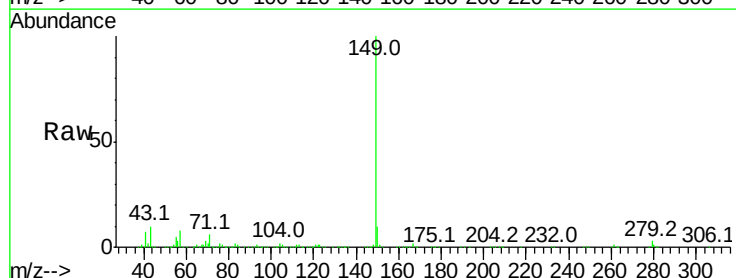
Manual Integrations  
 APPROVED

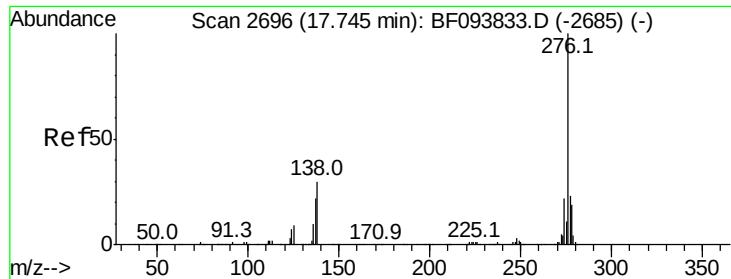
mohammad  
 4/11/2017 12:53:01 PM



#84  
 Di-n-octyl phthalate  
 Concen: 48.53 ng  
 RT: 15.36 min Scan# 2291  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.2   | 1.8   |
| 43      | 9.4   | 8.5   | 12.7  |





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.82 ng

RT: 17.51 min Scan# 2656

Delta R.T. -0.01 min

Lab File: BF094308.D

Acq: 10 Apr 2017 13:54

Instrument :

BNA\_F

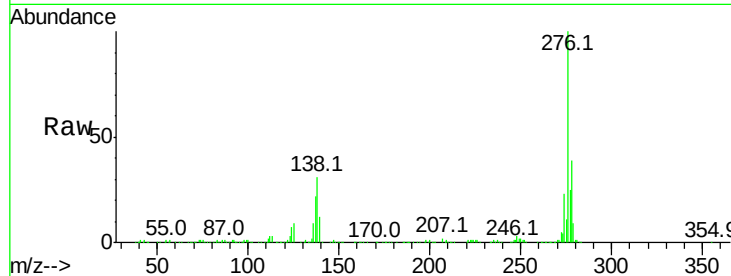
ClientSampleId :

PB98131BS

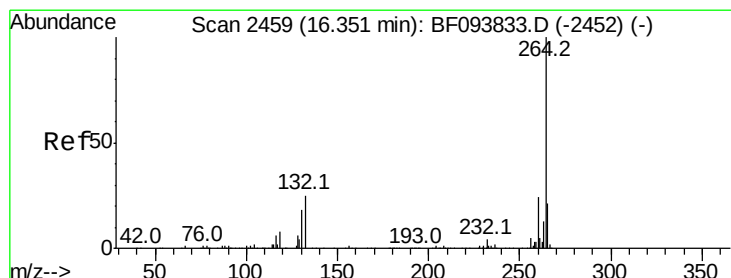
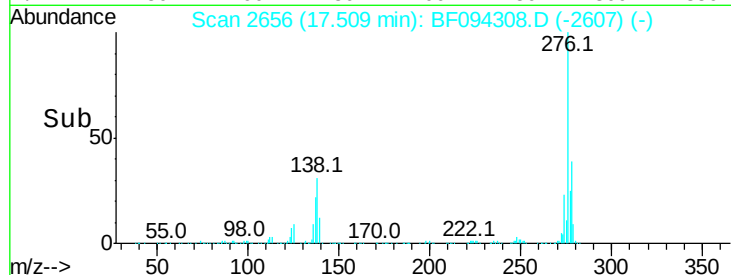
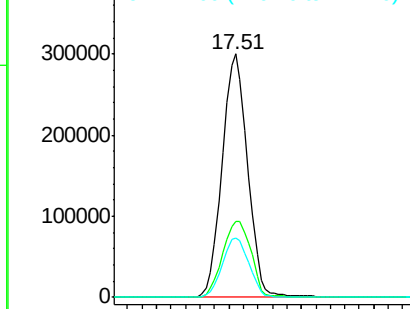
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 734399 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 34.9  | 27.8  | 41.6   |
| 277       | 25.7  | 20.2  | 30.4   |

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



#86

Perylene-d12

Concen: 20.00 ng

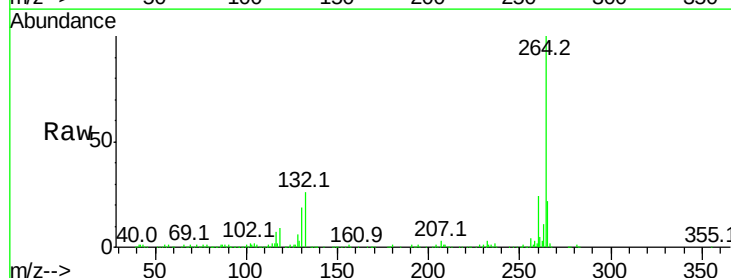
RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

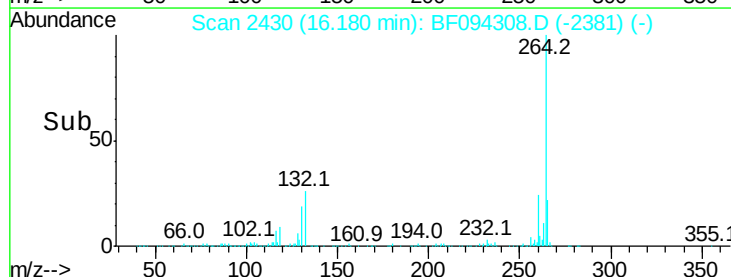
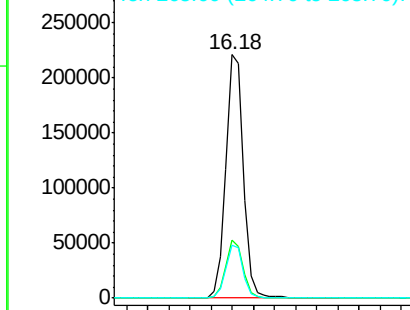
Lab File: BF094308.D

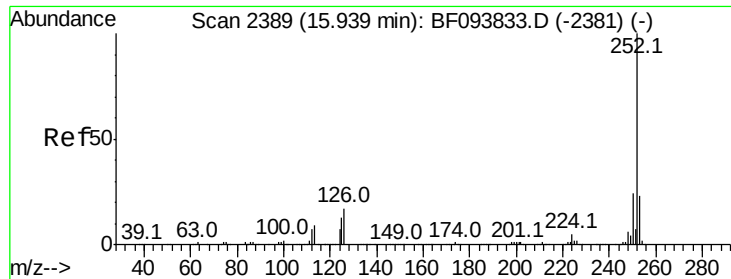
Acq: 10 Apr 2017 13:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 254152 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.7  | 19.5  | 29.3   |
| 265       | 21.7  | 17.2  | 25.8   |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





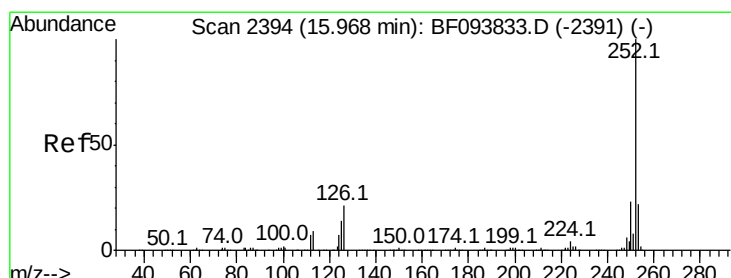
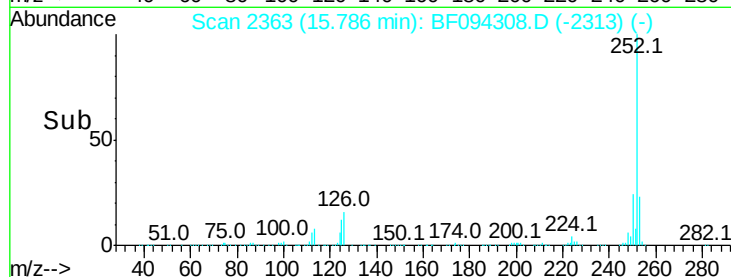
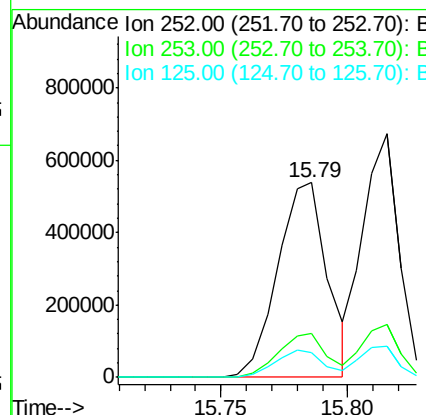
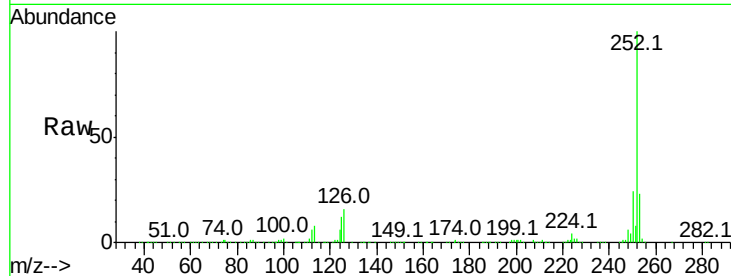
#87  
Benzo(b)fluoranthene  
Concen: 47.33 ng  
RT: 15.79 min Scan# 2363  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.1  | 27.1  |
| 125     | 12.4  | 9.8   | 14.8  |

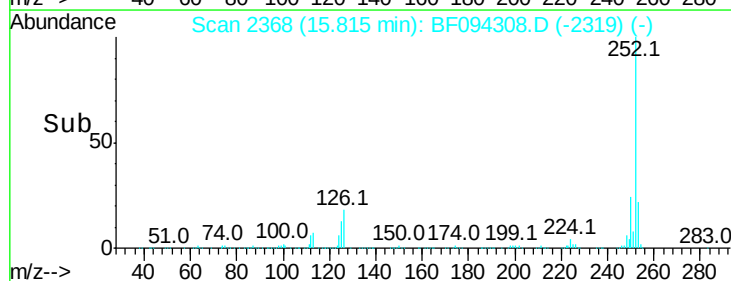
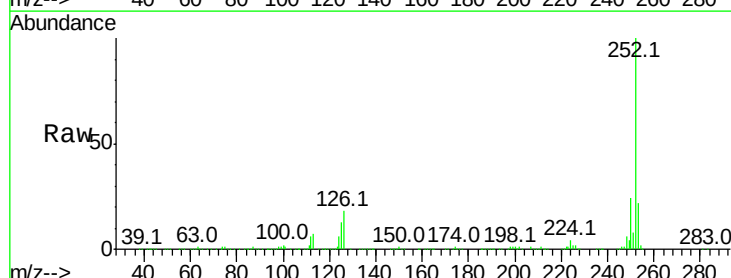
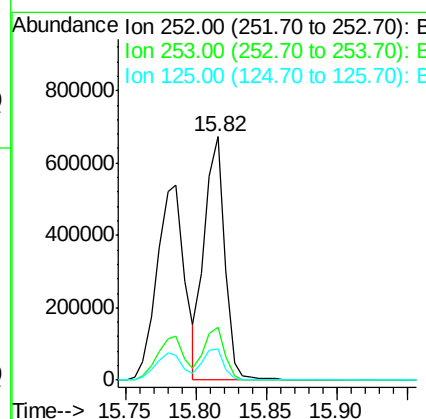
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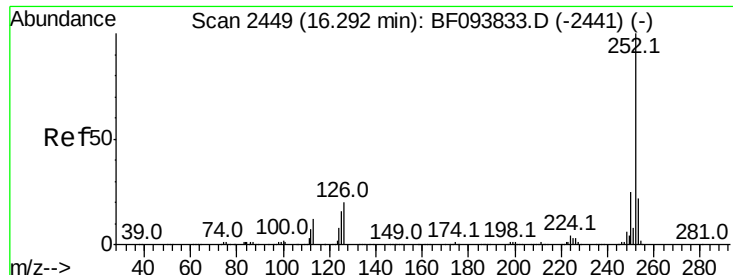


#88  
Benzo(k)fluoranthene  
Concen: 44.33 ng  
RT: 15.82 min Scan# 2368  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 18.4  | 27.6  |
| 125     | 12.7  | 13.1  | 19.7# |







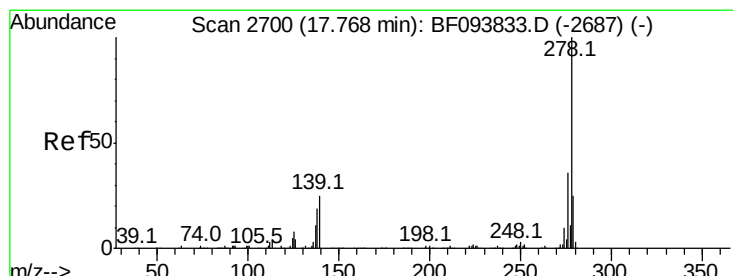
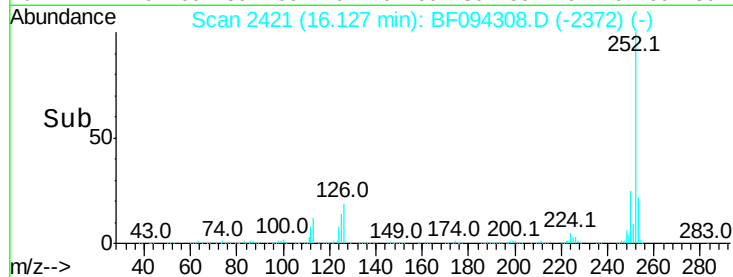
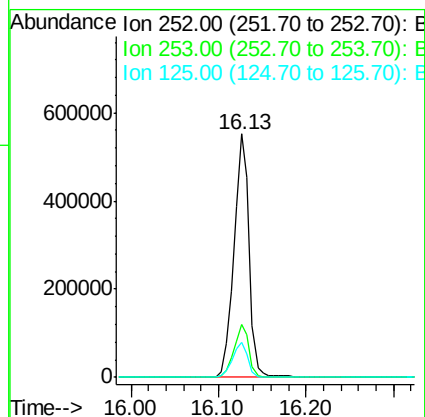
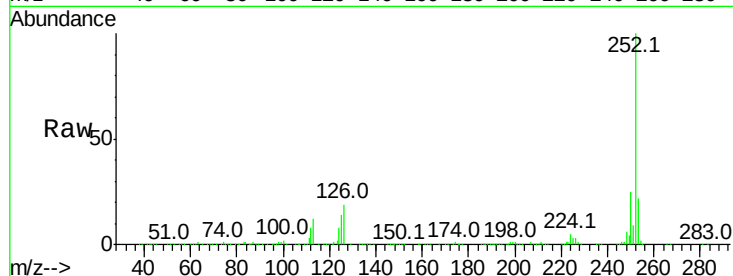
#89  
Benzo(a)pyrene  
Concen: 45.75 ng  
RT: 16.13 min Scan# 2421  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.5  | 26.3  |
| 125     | 14.4  | 11.0  | 16.4  |

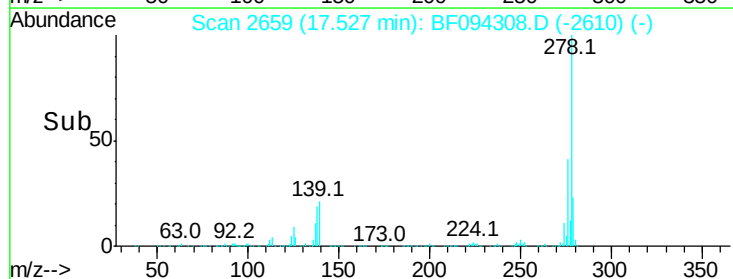
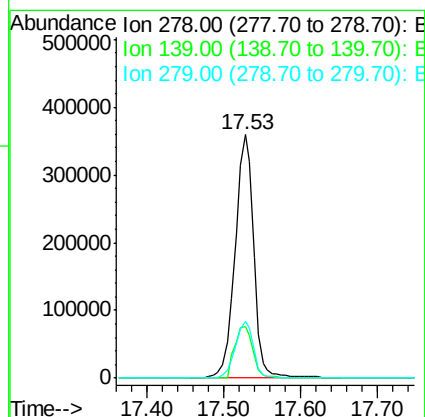
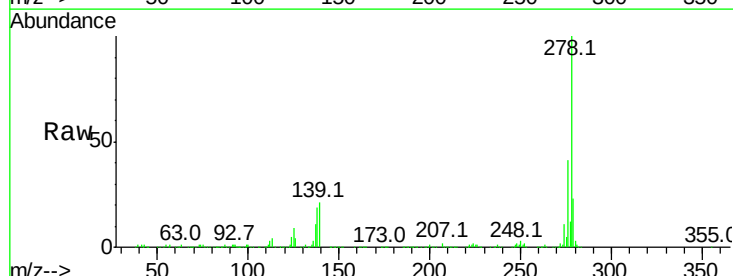
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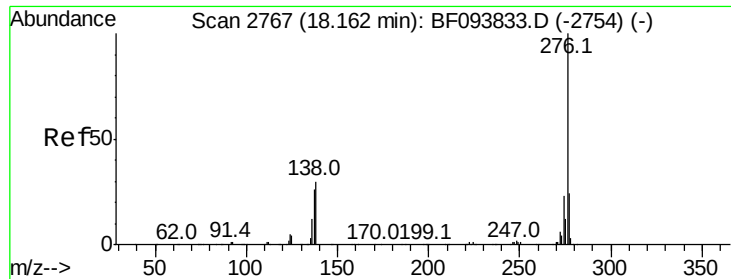
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.34 ng  
RT: 17.53 min Scan# 2659  
Delta R.T. -0.01 min  
Lab File: BF094308.D  
Acq: 10 Apr 2017 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 21.3  | 16.6  | 24.8  |
| 279     | 23.5  | 19.3  | 28.9  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 51.73 ng  
 RT: 17.90 min Scan# 2722  
 Delta R.T. -0.01 min  
 Lab File: BF094308.D  
 Acq: 10 Apr 2017 13:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB98131BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 18.6  | 28.0  |
| 138     | 32.2  | 25.4  | 38.0  |

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