

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\  
 Data File : BF094123.D  
 Acq On : 3 Apr 2017 16:21  
 Operator : SJ/MA  
 Sample : PB97988BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

Manual Integrations  
 APPROVED

mohammad  
 4/4/2017 5:33:57 PM

Quant Time: Apr 04 01:29:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.89  | 152  | 171204   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.39  | 136  | 682321   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.53  | 164  | 321746   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.36 | 188  | 556570   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.62 | 240  | 446430   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 16.24 | 264  | 334874   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 4.43  | 112 | 1271563 | 125.45 | ng | 0.00  |
| 7) Phenol-d6             | 5.50  | 99  | 1592066 | 126.96 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 6.54  | 82  | 1011816 | 84.63  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 360872  | 141.94 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 8.72  | 172 | 1864472 | 88.39  | ng | -0.02 |
| 78) Terphenyl-d14        | 13.34 | 244 | 1586041 | 79.63  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.29 | 88  | 163470  | 33.57 | ng | 99     |
| 3) Pyridine                    | 2.77 | 79  | 499811  | 37.66 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 2.73 | 42  | 222205  | 40.69 | ng | 88     |
| 6) Aniline                     | 5.51 | 93  | 455294  | 26.10 | ng | # 43   |
| 8) 2-Chlorophenol              | 5.66 | 128 | 502073  | 45.06 | ng | 95     |
| 9) Benzaldehyde                | 5.38 | 77  | 381837  | 45.10 | ng | 99     |
| 10) Phenol                     | 5.52 | 94  | 580364  | 40.67 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 5.60 | 93  | 464360  | 41.64 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 5.82 | 146 | 534588  | 42.78 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 5.91 | 146 | 541450  | 42.78 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 6.09 | 146 | 502439  | 43.10 | ng | 94     |
| 15) Benzyl Alcohol             | 6.06 | 79  | 407114  | 44.36 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.22 | 45  | 656338  | 38.20 | ng | 94     |
| 17) 2-Methylphenol             | 6.20 | 107 | 416992  | 43.70 | ng | 95     |
| 18) Hexachloroethane           | 6.47 | 117 | 190461  | 42.81 | ng | # 85   |
| 19) n-Nitroso-di-n-propylamine | 6.37 | 70  | 347045  | 43.06 | ng | 96     |
| 20) 3+4-Methylphenols          | 6.38 | 107 | 537044  | 46.47 | ng | # 63   |
| 22) Acetophenone               | 6.36 | 105 | 702343  | 46.18 | ng | # 86   |
| 24) Nitrobenzene               | 6.56 | 77  | 513287  | 43.53 | ng | 93     |
| 25) Isophorone                 | 6.85 | 82  | 928809  | 44.21 | ng | 95     |
| 26) 2-Nitrophenol              | 6.93 | 139 | 282689  | 50.27 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.00 | 122 | 461668  | 47.65 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.11 | 93  | 606434  | 43.77 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.23 | 162 | 439491  | 48.51 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.33 | 180 | 423301  | 45.36 | ng | 97     |
| 31) Naphthalene                | 7.42 | 128 | 1418693 | 43.24 | ng | 100    |
| 32) Benzoic acid               | 7.16 | 122 | 167114  | 25.91 | ng | 91     |
| 33) 4-Chloroaniline            | 7.48 | 127 | 255572  | 19.22 | ng | 94     |
| 34) Hexachlorobutadiene        | 7.57 | 225 | 214924  | 44.91 | ng | 100    |
| 35) Caprolactam                | 7.93 | 113 | 140319m | 48.57 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.11 | 107 | 461872  | 48.79 | ng | 92     |
| 37) 2-Methylnaphthalene        | 8.26 | 142 | 1003695 | 45.89 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.47 | 216 | 369635  | 42.00 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 8.46 | 237 | 367969  | 89.34 | ng | 99     |

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Manual Integrations  
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Quant Time: Apr 04 01:29:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.62  | 196  | 292220   | 46.93 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 8.67  | 196  | 296567   | 44.01 | nq    | 93       |
| 45) 1,1'-Biphenyl              | 8.84  | 154  | 1118687  | 43.11 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 8.86  | 162  | 890224   | 43.82 | nq    | 95       |
| 47) 2-Nitroaniline             | 8.99  | 65   | 269869   | 44.78 | nq    | # 79     |
| 48) Acenaphthylene             | 9.36  | 152  | 1414022  | 41.88 | nq    | 99       |
| 49) Dimethylphthalate          | 9.23  | 163  | 1067655  | 46.68 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.29  | 165  | 240971   | 45.96 | nq    | # 90     |
| 51) Acenaphthene               | 9.57  | 154  | 843804   | 42.83 | nq    | 100      |
| 52) 3-Nitroaniline             | 9.49  | 138  | 144792   | 23.52 | nq    | 88       |
| 53) 2,4-Dinitrophenol          | 9.63  | 184  | 194974   | 70.11 | nq    | # 69     |
| 54) Dibenzofuran               | 9.79  | 168  | 1222670  | 45.59 | nq    | 100      |
| 55) 4-Nitrophenol              | 9.74  | 139  | 374146   | 77.60 | nq    | # 61     |
| 56) 2,4-Dinitrotoluene         | 9.79  | 165  | 294494   | 44.72 | nq    | # 69     |
| 57) Fluorene                   | 10.21 | 166  | 924820   | 41.58 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.95  | 232  | 214777   | 46.45 | nq    | 99       |
| 59) Diethylphthalate           | 10.10 | 149  | 1032744  | 45.69 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.22 | 204  | 403167   | 42.55 | nq    | 97       |
| 61) 4-Nitroaniline             | 10.25 | 138  | 268042   | 45.37 | nq    | 93       |
| 62) Azobenzene                 | 10.42 | 77   | 999418   | 46.74 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 10.29 | 198  | 148736   | 43.64 | nq    | # 71     |
| 65) n-Nitrosodiphenylamine     | 10.37 | 169  | 881887   | 45.82 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 254509   | 46.49 | nq    | 96       |
| 67) Hexachlorobenzene          | 10.89 | 284  | 261470   | 47.19 | nq    | # 87     |
| 68) Atrazine                   | 11.04 | 200  | 263086   | 45.63 | nq    | 94       |
| 69) Pentachlorophenol          | 11.14 | 266  | 220363   | 63.89 | nq    | 96       |
| 70) Phenanthrene               | 11.39 | 178  | 1384947  | 44.73 | nq    | 99       |
| 71) Anthracene                 | 11.46 | 178  | 1419831  | 44.54 | nq    | 99       |
| 72) Carbazole                  | 11.66 | 167  | 1335039  | 40.84 | nq    | 99       |
| 73) Di-n-butylphthalate        | 12.11 | 149  | 1613539  | 47.46 | nq    | 99       |
| 74) Fluoranthene               | 12.86 | 202  | 1421989  | 44.85 | nq    | 98       |
| 76) Benzidine                  | 13.02 | 184  | 825874   | 46.74 | nq    | # 93     |
| 77) Pyrene                     | 13.13 | 202  | 1429370  | 44.12 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.94 | 149  | 689047   | 49.91 | nq    | # 85     |
| 80) Benzo(a)anthracene         | 14.60 | 228  | 1183005  | 45.44 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.57 | 252  | 197490   | 21.22 | nq    | # 96     |
| 82) Chrysene                   | 14.64 | 228  | 1042657  | 43.16 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.66 | 149  | 941639   | 50.00 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 15.42 | 149  | 1510076  | 47.99 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.59 | 276  | 834900   | 39.90 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 15.84 | 252  | 992061   | 48.33 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 15.87 | 252  | 891794   | 44.40 | nq    | # 96     |
| 89) Benzo(a)pyrene             | 16.19 | 252  | 871153   | 46.09 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 17.61 | 278  | 688822   | 43.03 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 17.99 | 276  | 693010   | 42.96 | nq    | 98       |

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

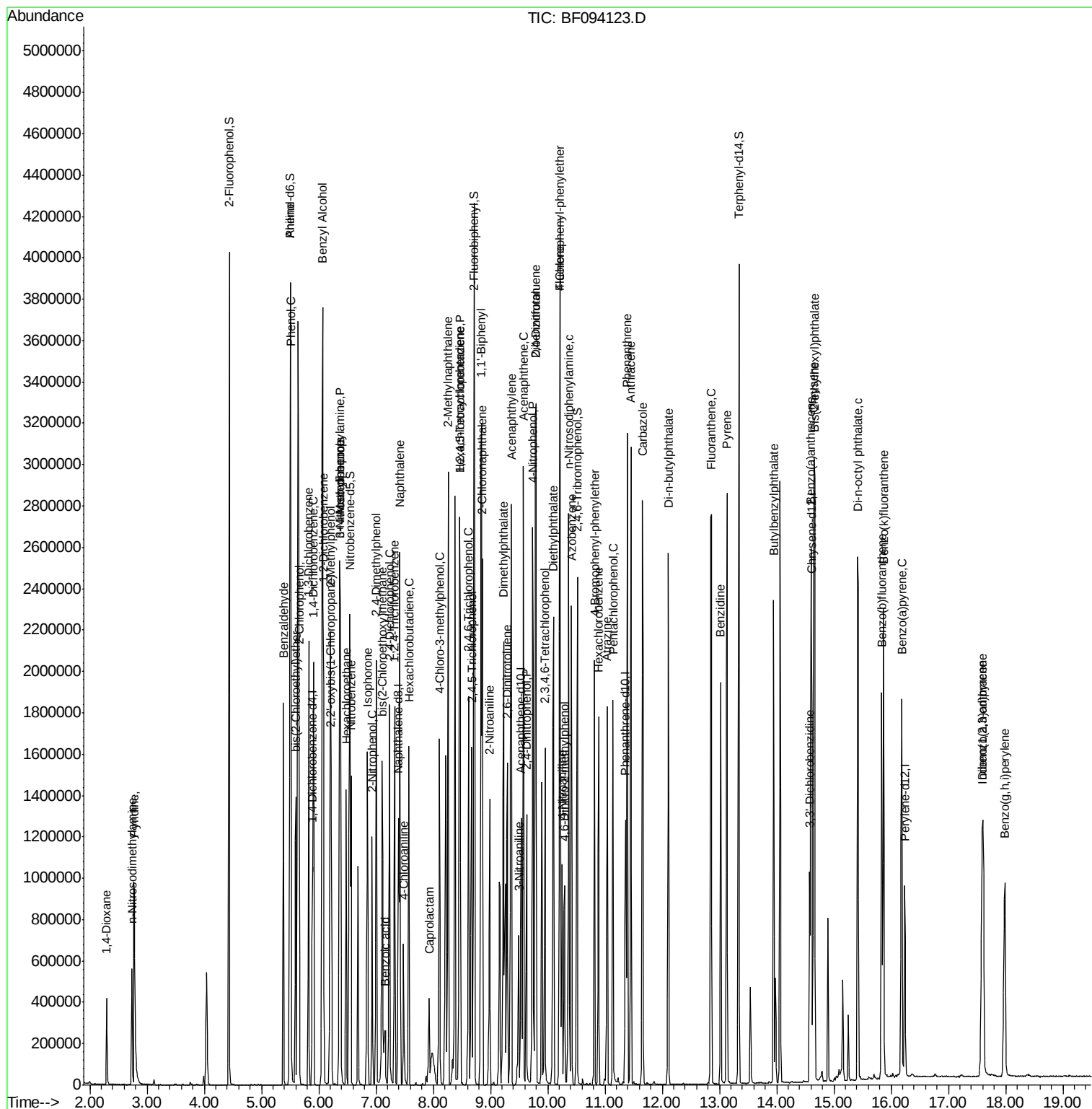
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\  
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 Sample : PB97988BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

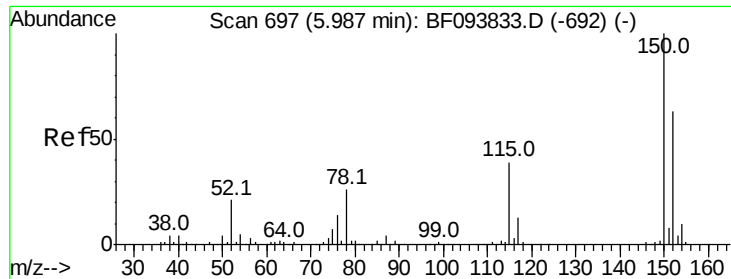
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB97988BS

Manual Integrations  
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#1

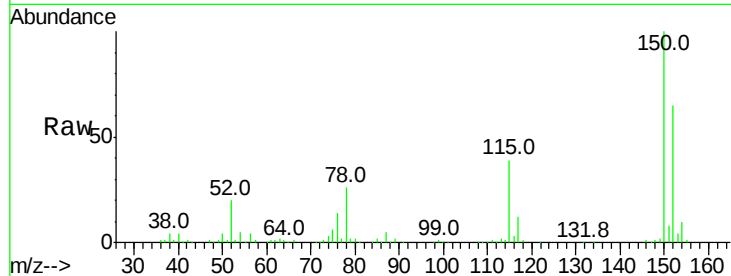
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.89 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

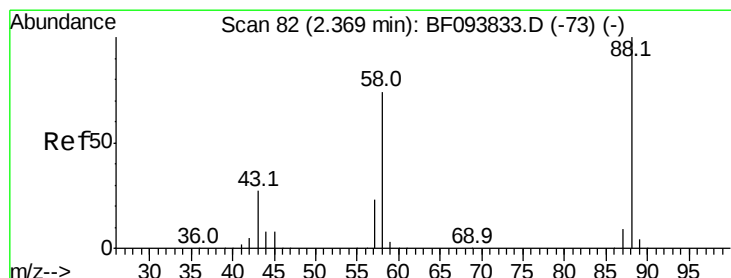
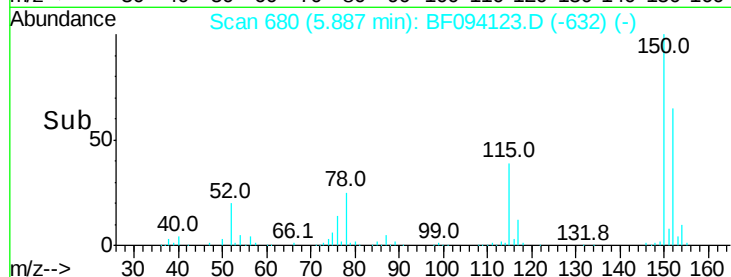
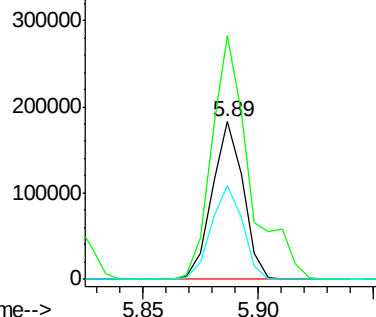
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 126.2 | 189.2 |
| 115     | 59.6  | 52.2  | 78.2  |

Manual Integrations  
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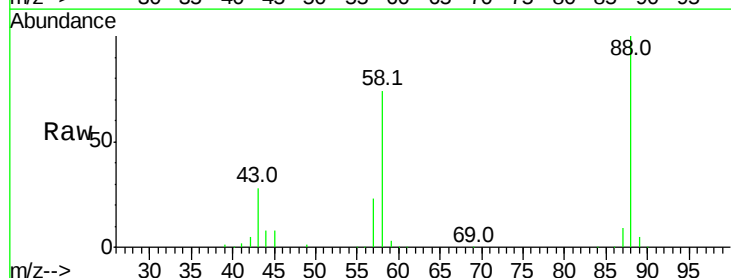
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



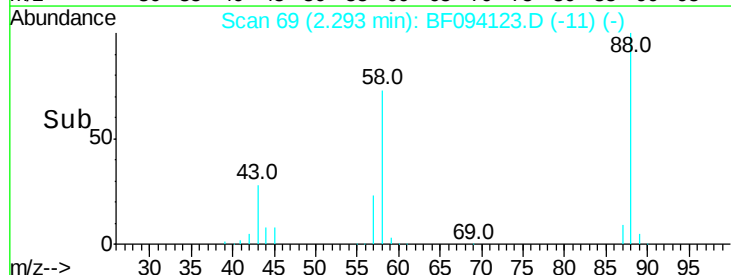
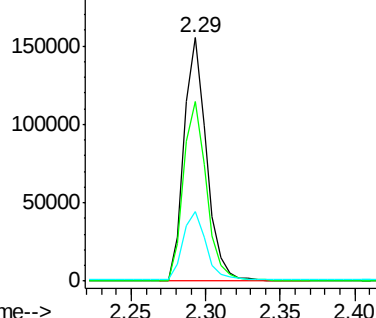
#2

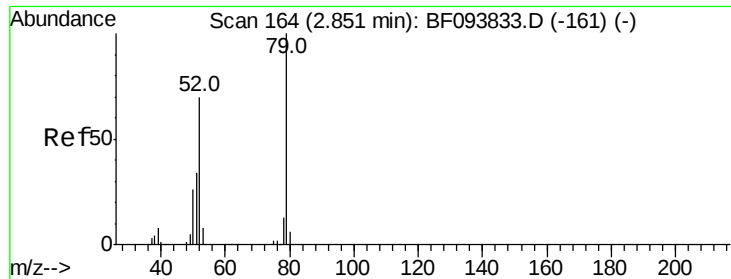
1,4-Dioxane  
Concen: 33.57 ng  
RT: 2.29 min Scan# 69  
Delta R.T. 0.04 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 76.0  | 61.4  | 92.0  |
| 43      | 29.1  | 23.4  | 35.0  |



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





#3

Pvridine

Concen: 37.66 ng

RT: 2.77 min Scan# 150

Delta R.T. 0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

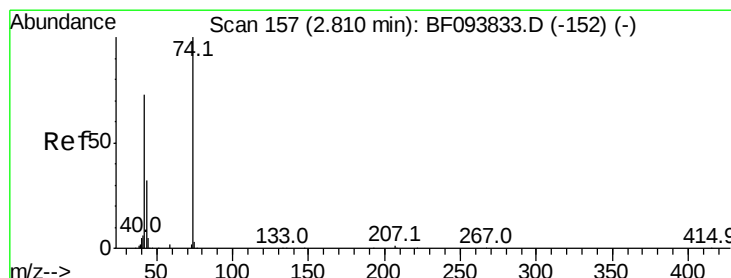
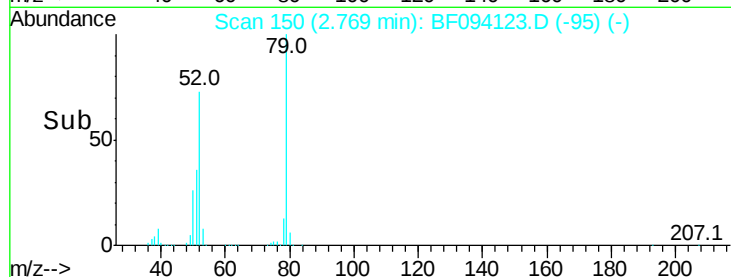
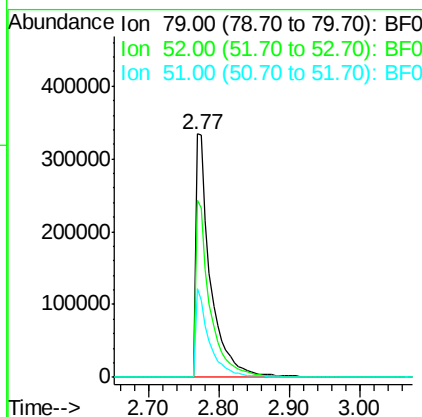
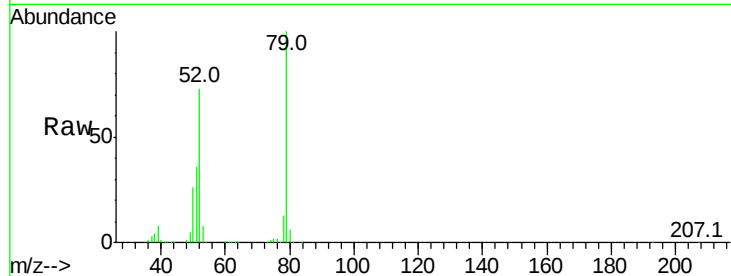
ClientSampleId :

PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 499811 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 72.6  | 54.8  | 82.2   |
| 51        | 36.5  | 27.0  | 40.4   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 40.69 ng

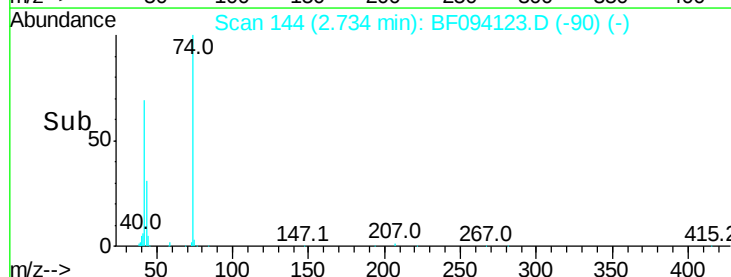
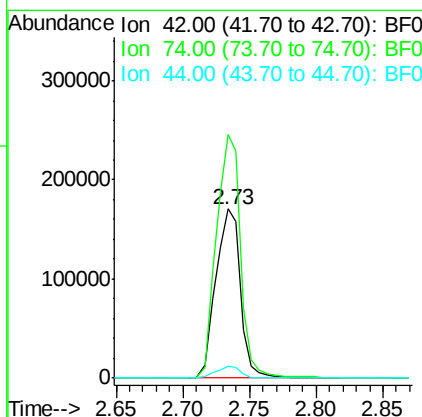
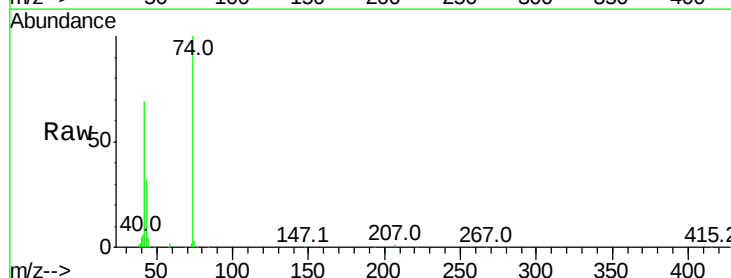
RT: 2.73 min Scan# 144

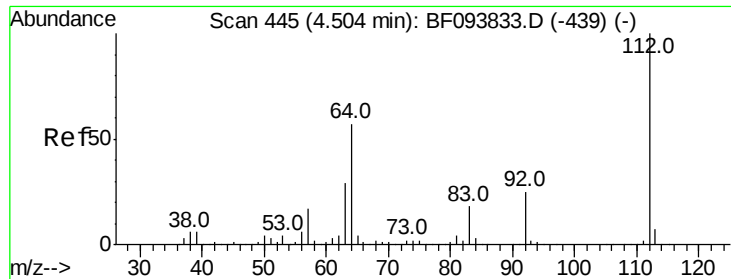
Delta R.T. 0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 222205 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 144.2 | 103.9 | 155.9  |
| 44        | 7.0   | 5.7   | 8.5    |





#5

2-Fluorophenol

Concen: 125.45 ng

RT: 4.43 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:112 Resp: 1271563

Ion Ratio Lower Upper

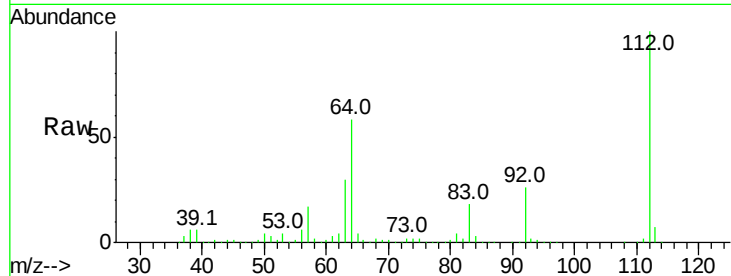
112 100

64 57.9 46.0 69.0

63 29.5 23.4 35.0

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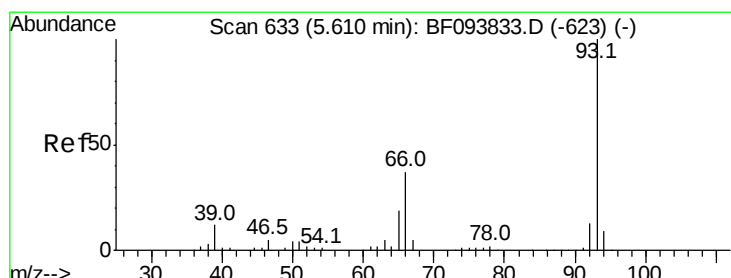
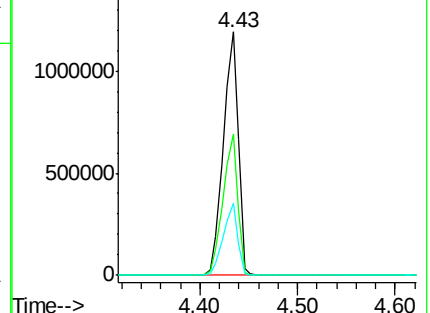
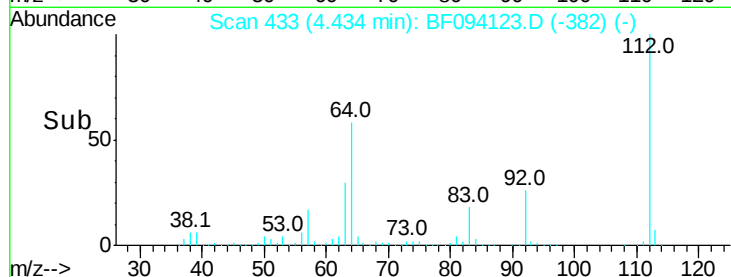
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.10 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

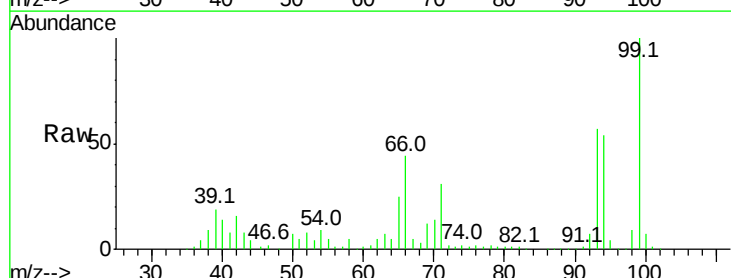
Tgt Ion: 93 Resp: 455294

Ion Ratio Lower Upper

93 100

66 77.6 32.9 49.3#

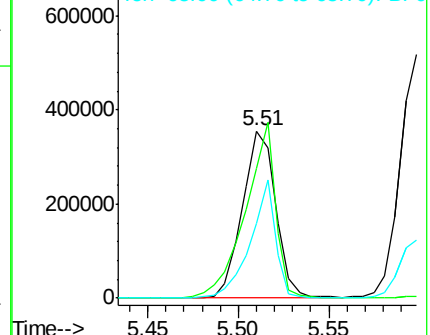
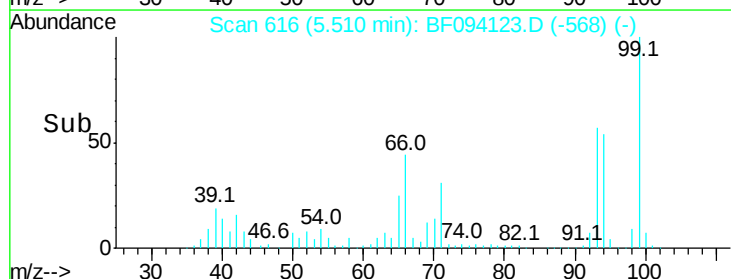
65 44.6 16.0 24.0#

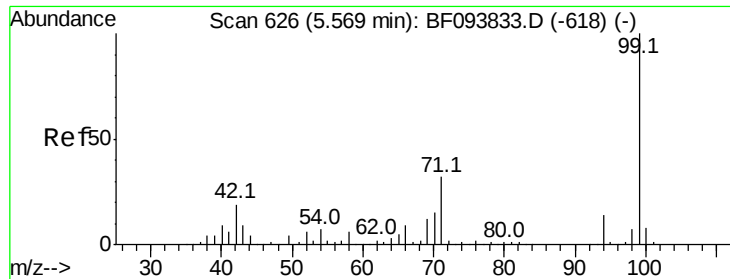


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.96 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion: 99 Resp: 1592066

Ion Ratio Lower Upper

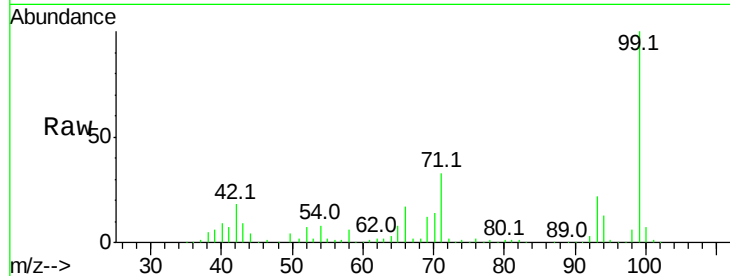
99 100

42 17.6 13.5 20.3

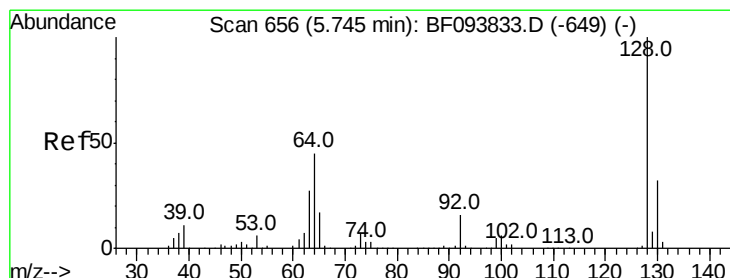
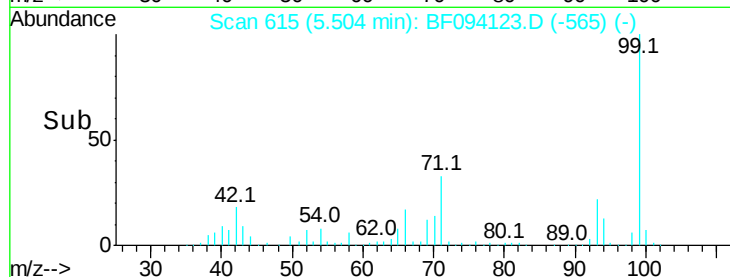
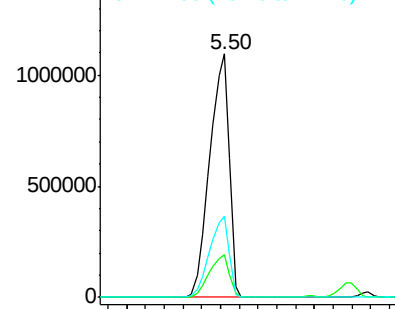
71 33.3 24.5 36.7

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



#8

2-Chlorophenol

Concen: 45.06 ng

RT: 5.66 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

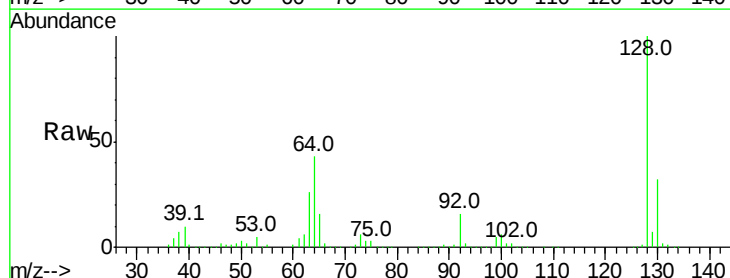
Tgt Ion:128 Resp: 502073

Ion Ratio Lower Upper

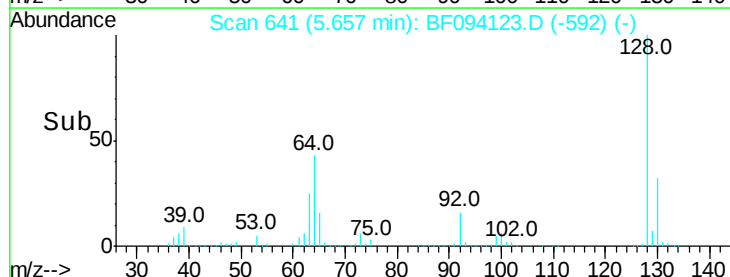
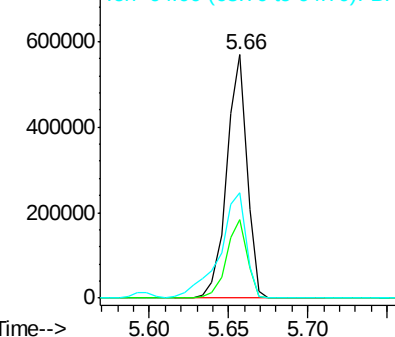
128 100

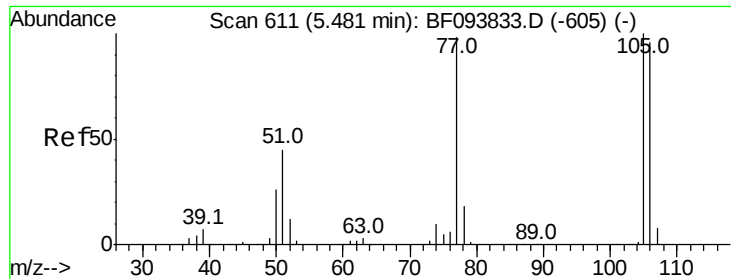
130 32.4 12.9 52.9

64 43.4 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: 45.10 ng

RT: 5.38 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

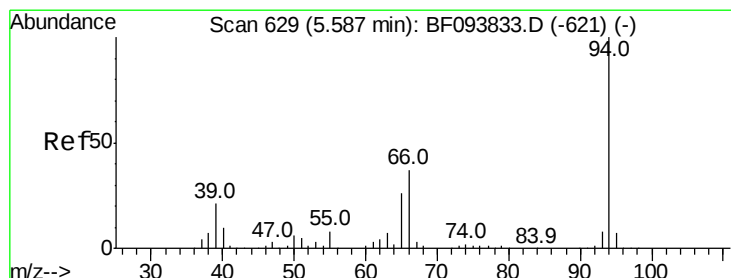
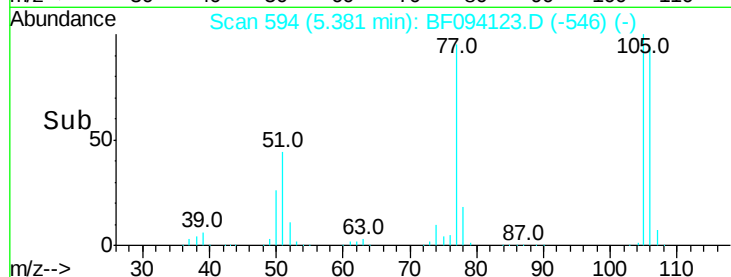
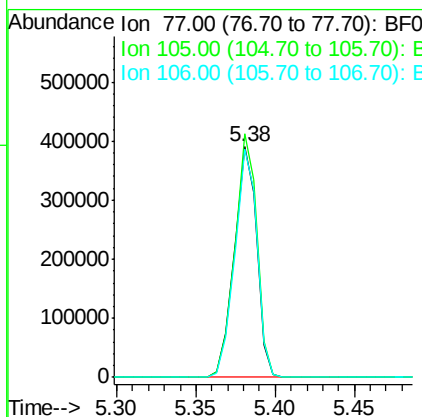
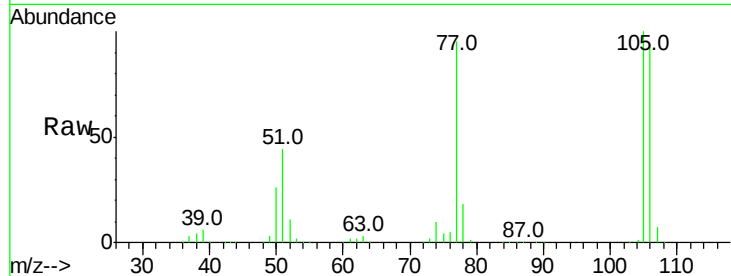
ClientSampleId :

PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 105.8 | 83.8  | 123.8 |
| 106     | 99.4  | 79.1  | 119.1 |

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#10

Phenol

Concen: 40.67 ng

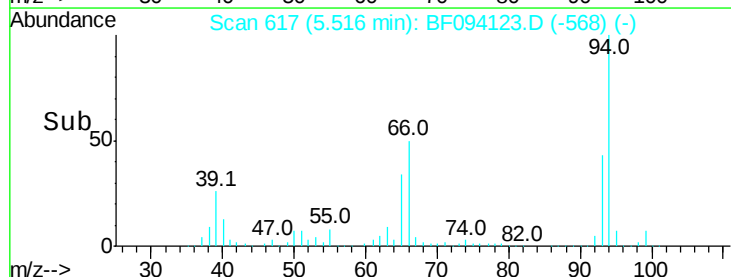
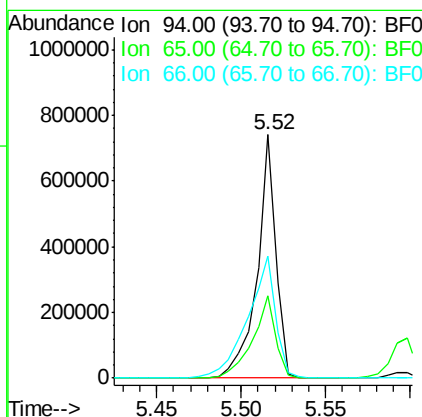
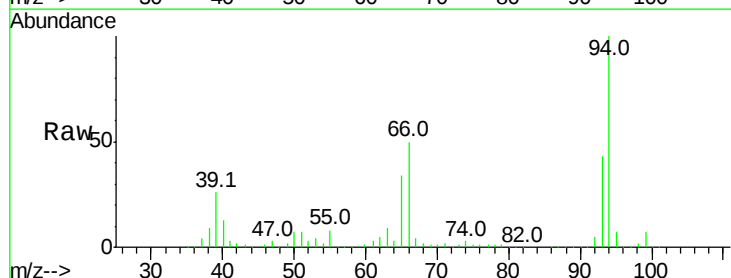
RT: 5.52 min Scan# 617

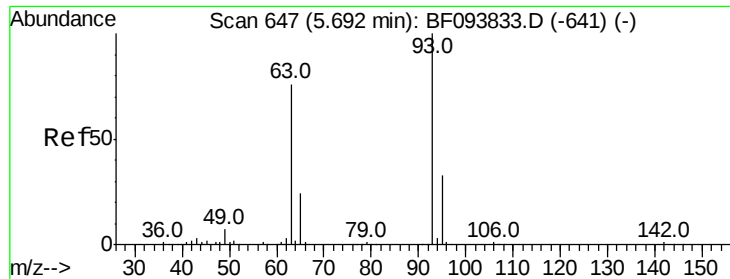
Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 33.9  | 9.9   | 49.9  |
| 66      | 50.3  | 23.1  | 63.1  |





#11

bis(2-Chloroethyl)ether

Concen: 41.64 ng

RT: 5.60 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

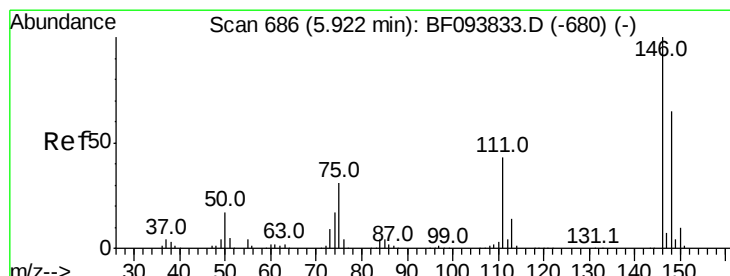
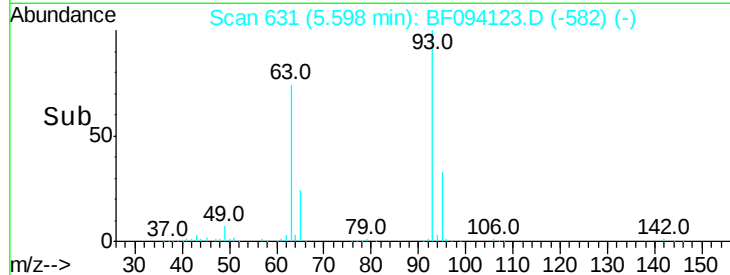
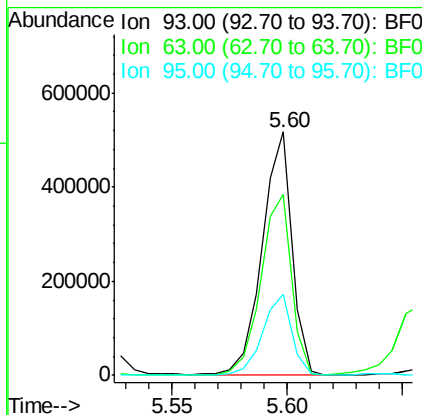
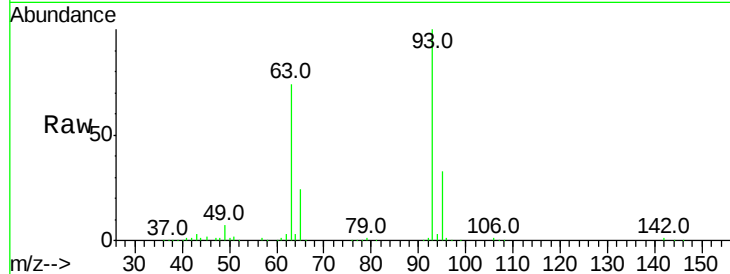
ClientSampleId :

PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 464360 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 74.1  | 59.2  | 99.2   |
| 95        | 33.2  | 12.8  | 52.8   |

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#12

1,3-Dichlorobenzene

Concen: 42.78 ng

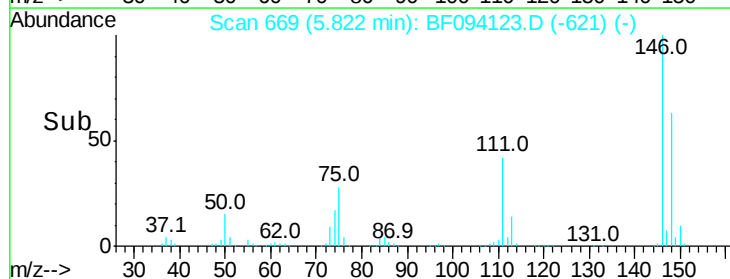
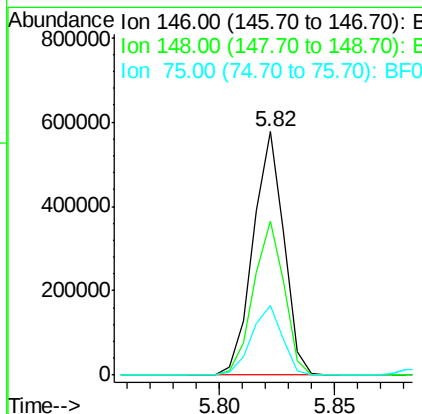
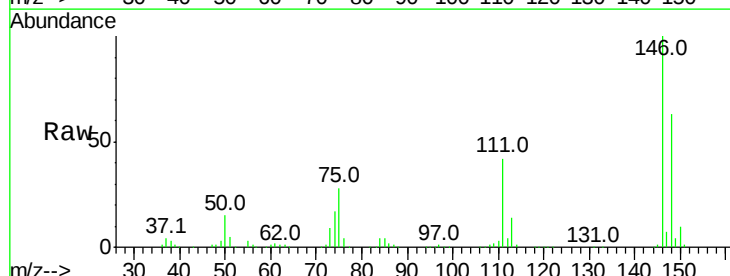
RT: 5.82 min Scan# 669

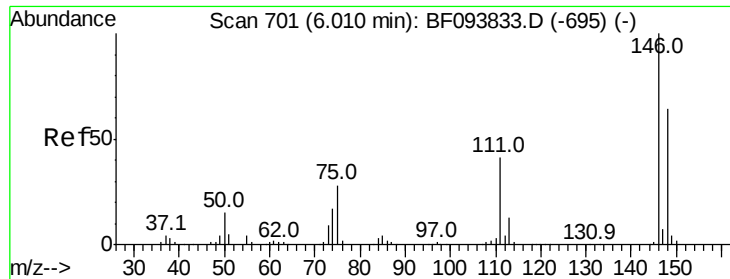
Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 534588 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.0  | 51.8  | 77.6   |
| 75        | 28.4  | 23.1  | 34.7   |





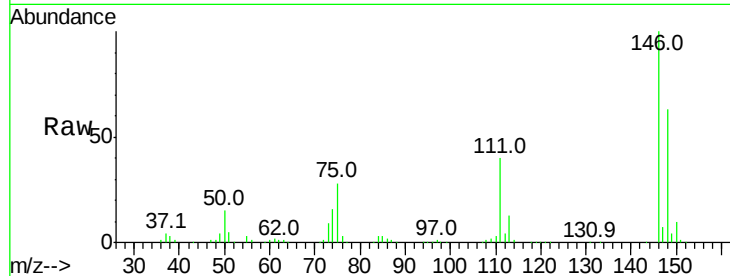
#13  
 1,4-Dichlorobenzene  
 Concen: 42.78 ng  
 RT: 5.91 min Scan# 684  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

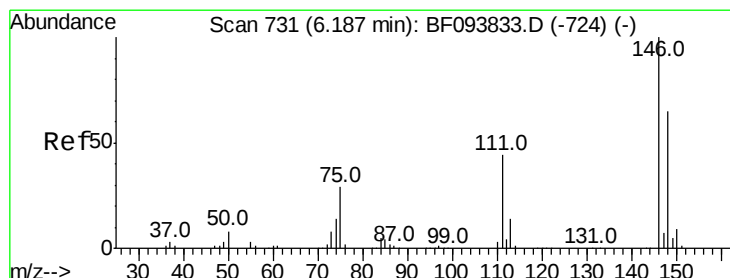
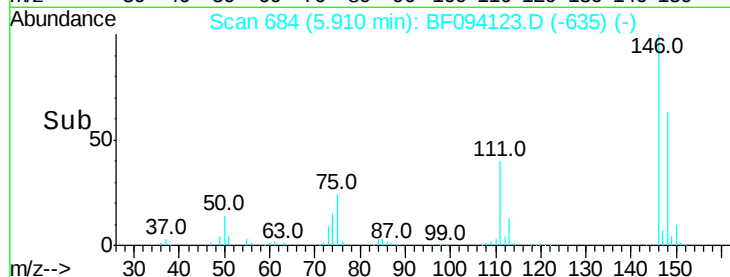
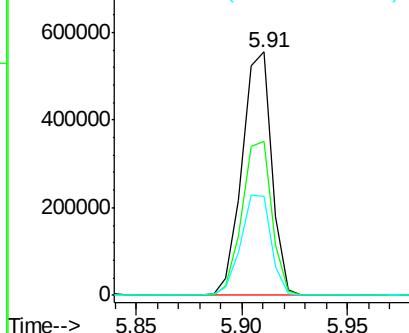
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 52.2  | 78.2  |
| 111     | 40.4  | 30.3  | 45.5  |

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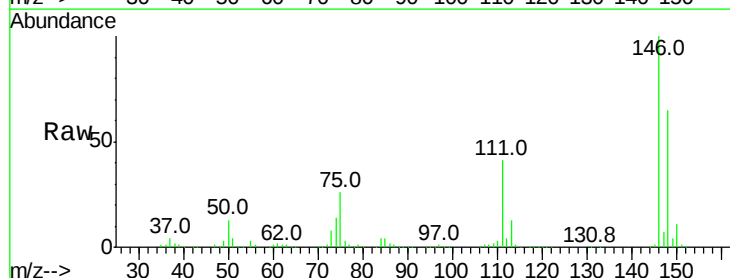


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

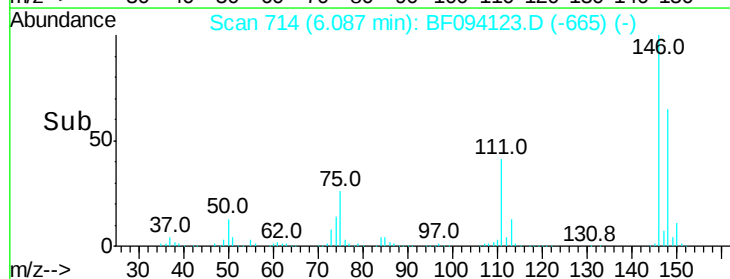
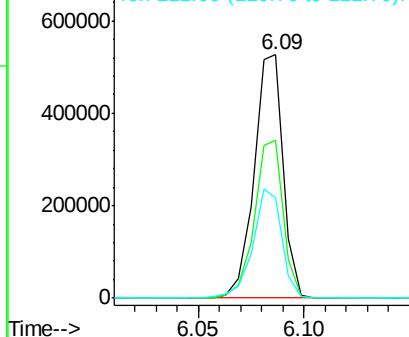


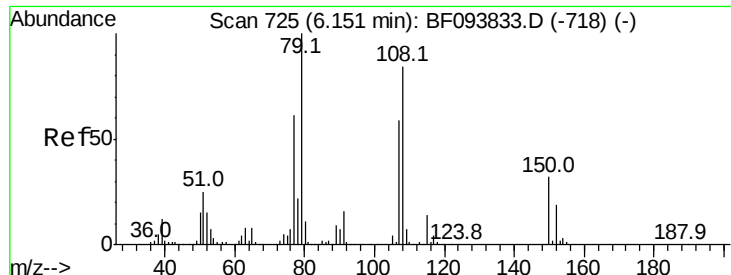
#14  
 1,2-Dichlorobenzene  
 Concen: 43.10 ng  
 RT: 6.09 min Scan# 714  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.9  | 50.4  | 75.6  |
| 111     | 41.1  | 38.2  | 57.4  |



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





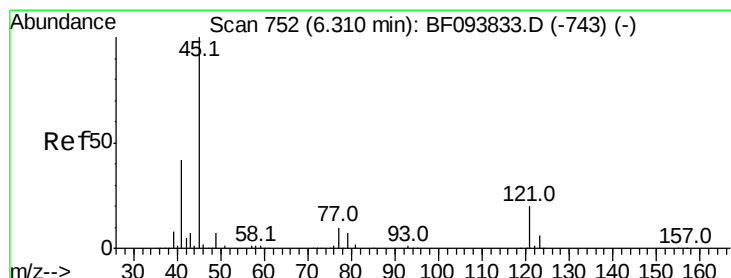
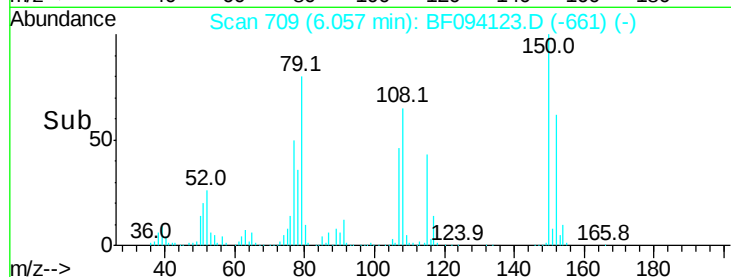
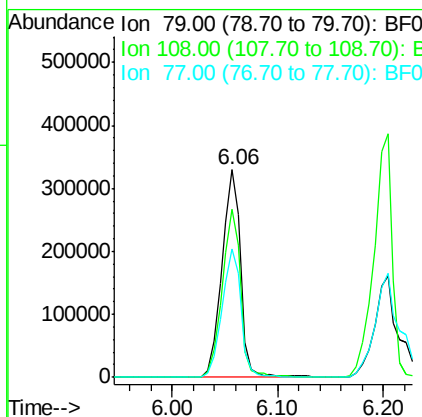
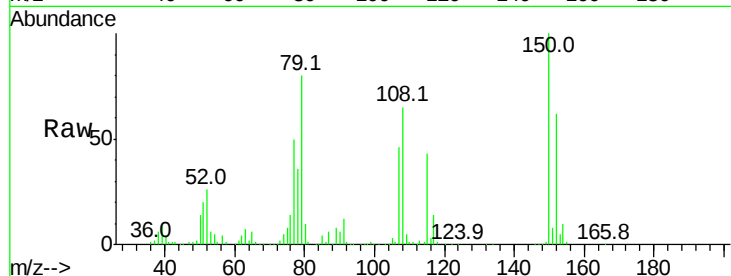
#15  
Benzyl Alcohol  
Concen: 44.36 ng  
RT: 6.06 min Scan# 709  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampled :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 81.2  | 63.4  | 95.0  |
| 77      | 61.9  | 49.2  | 73.8  |

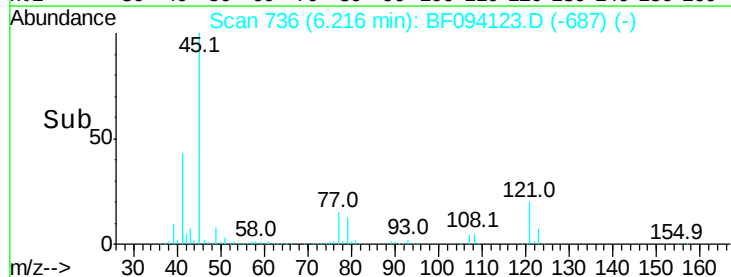
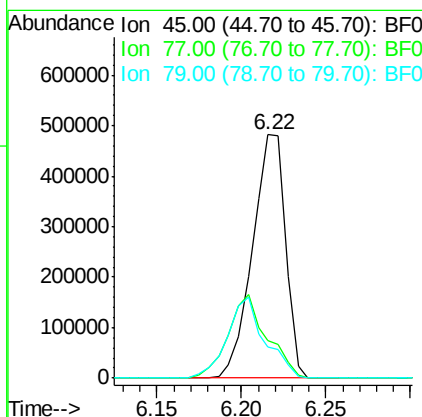
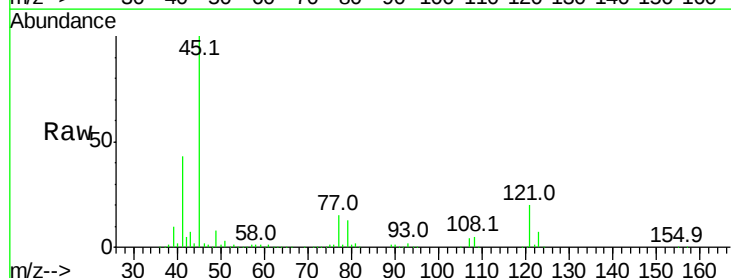
Manual Integrations  
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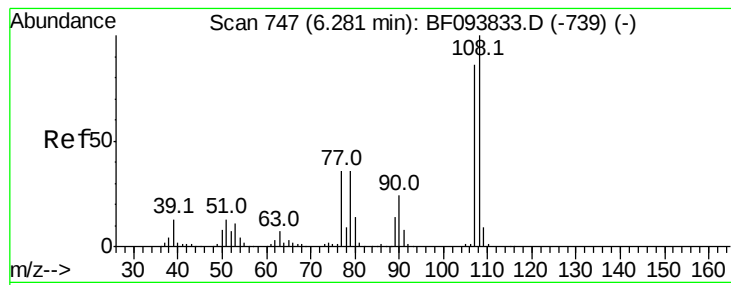
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.20 ng  
RT: 6.22 min Scan# 736  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.2  | 0.0   | 33.2  |
| 79      | 12.5  | 0.0   | 30.0  |





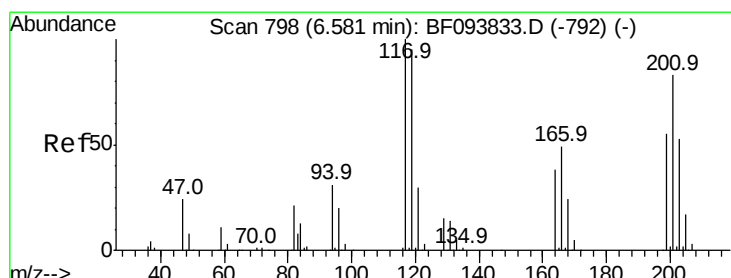
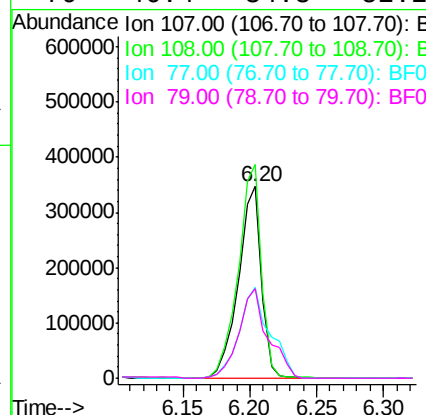
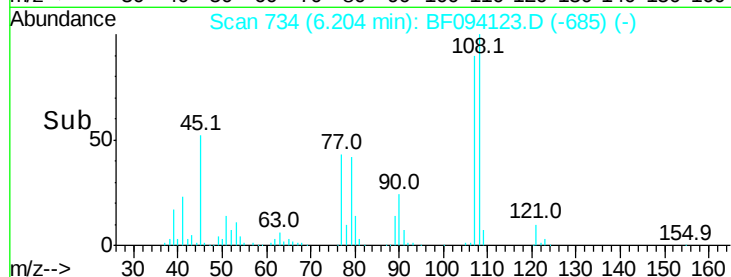
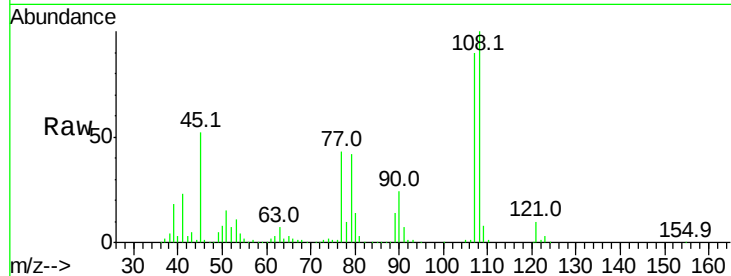
#17  
2-Methylphenol  
Concen: 43.70 ng  
RT: 6.20 min Scan# 734  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.3 | 93.4 | 140.0 |       |
| 77      | 47.6  | 35.8 | 53.6  |       |
| 79      | 46.4  | 34.8 | 52.2  |       |

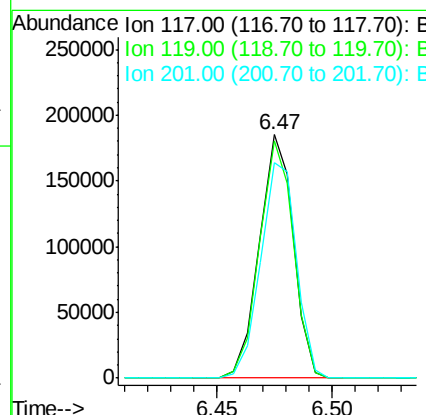
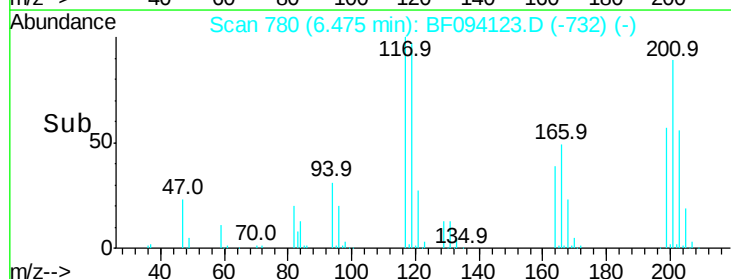
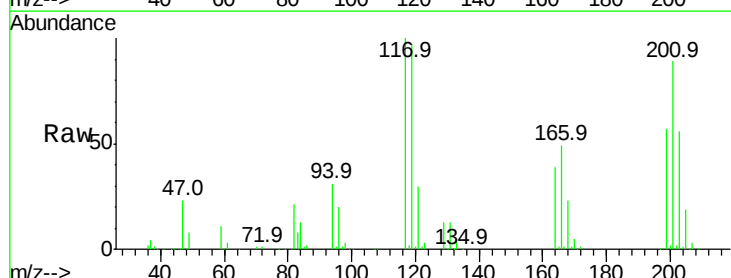
Manual Integrations  
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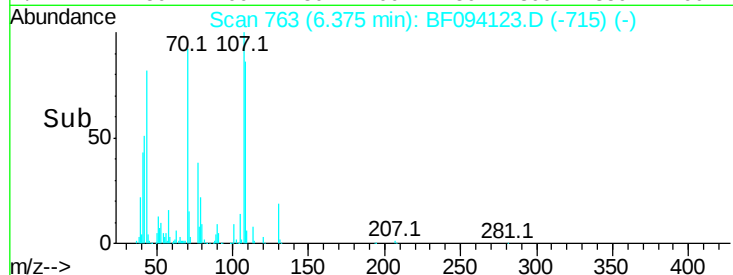
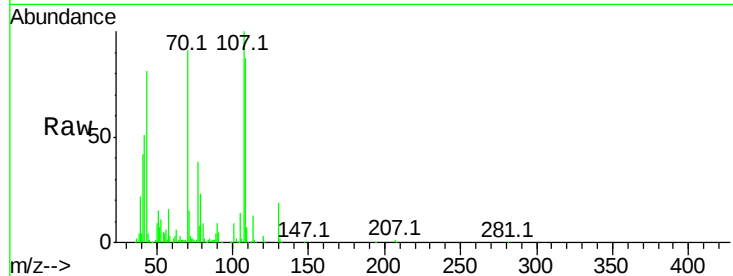
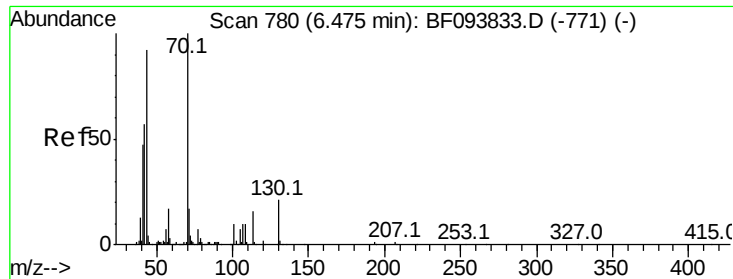
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#18  
Hexachloroethane  
Concen: 42.81 ng  
RT: 6.47 min Scan# 780  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 117     | 100   |      |        |       |
| 119     | 97.3  | 77.4 | 116.0  |       |
| 201     | 88.7  | 94.6 | 141.8# |       |





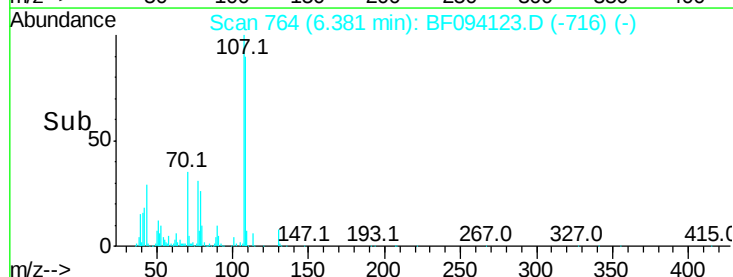
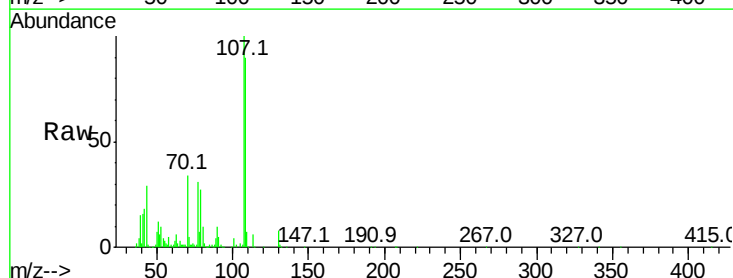
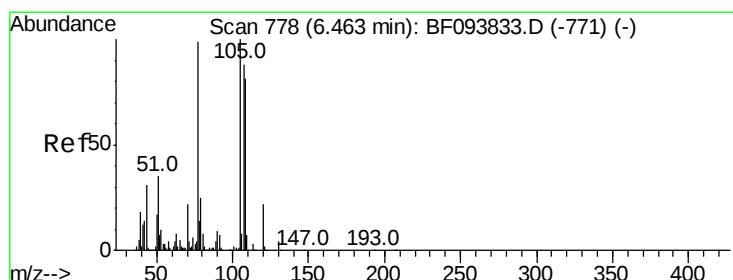
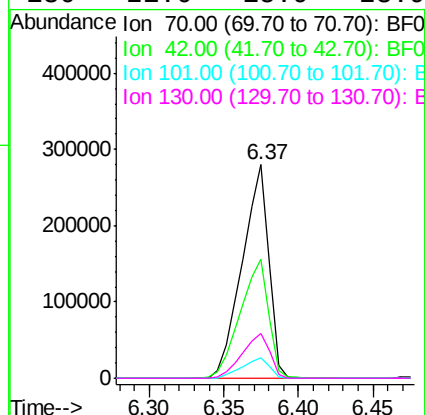
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.06 ng  
RT: 6.37 min Scan# 763  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

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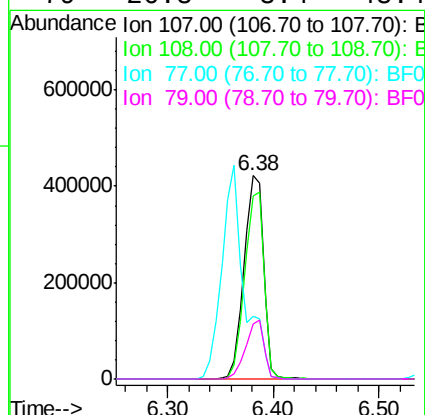
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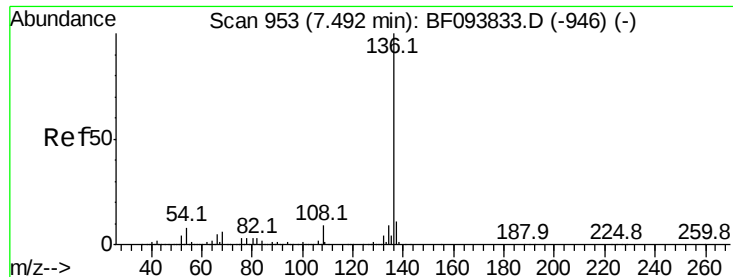
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 55.9 | 47.2  | 70.8  |       |
| 101     | 9.7  | 7.2   | 10.8  |       |
| 130     | 21.0 | 15.9  | 23.9  |       |



#20  
3+4-Methylphenols  
Concen: 46.47 ng  
RT: 6.38 min Scan# 764  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ion  | Ratio | Lower  | Upper |
|---------|------|-------|--------|-------|
| 107     | 100  |       |        |       |
| 108     | 89.9 | 71.0  | 111.0  |       |
| 77      | 30.8 | 90.5  | 130.5# |       |
| 79      | 26.8 | 8.4   | 48.4   |       |





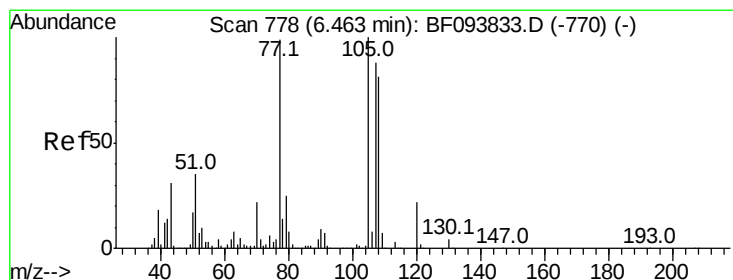
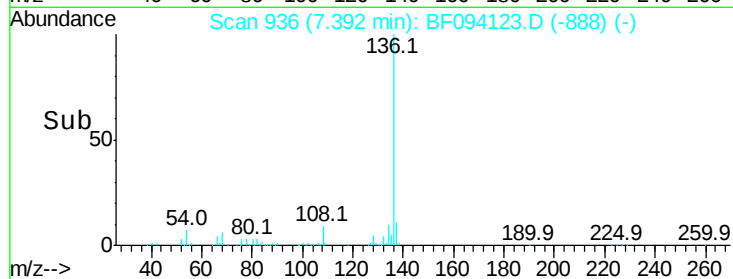
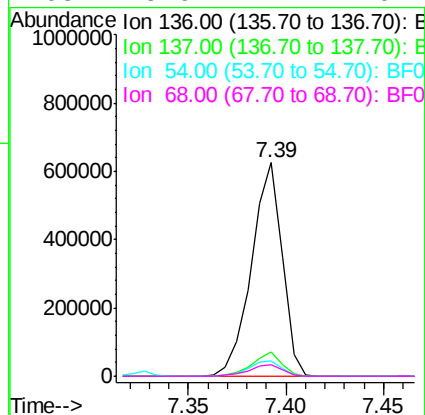
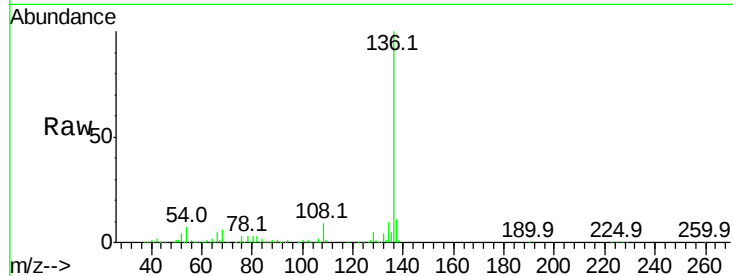
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.39 min Scan# 936  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 682321 |       |       |
| 137     | 11.2  | 8.5    | 12.7  |       |
| 54      | 7.4   | 4.9    | 7.3#  |       |
| 68      | 5.6   | 4.1    | 6.1   |       |

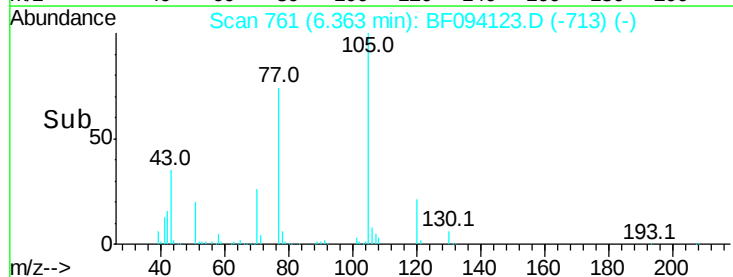
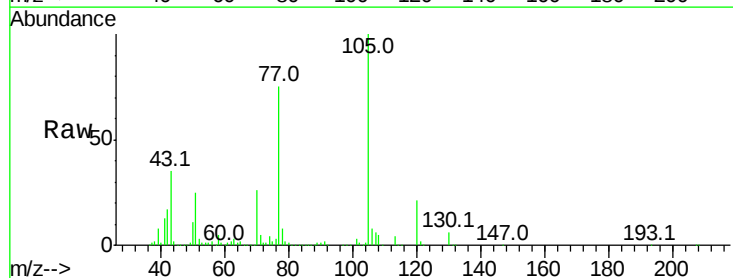
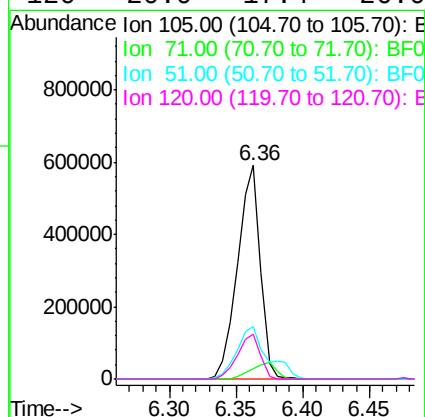
Manual Integrations  
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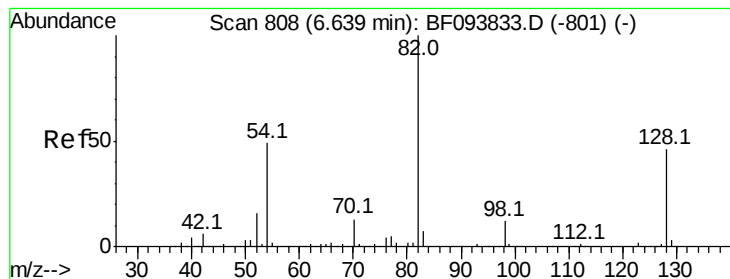
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#22  
Acetophenone  
Concen: 46.18 ng  
RT: 6.36 min Scan# 761  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 702343 |       |       |
| 71      | 4.6   | 2.8    | 4.2#  |       |
| 51      | 24.8  | 30.7   | 46.1# |       |
| 120     | 20.9  | 17.4   | 26.0  |       |





#23

Nitrobenzene-d5

Concen: 84.63 ng

RT: 6.54 min Scan# 791

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion: 82 Resp: 1011816

Ion Ratio Lower Upper

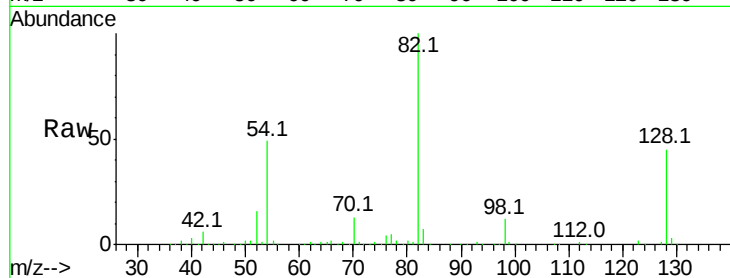
82 100

128 45.1 34.0 51.0

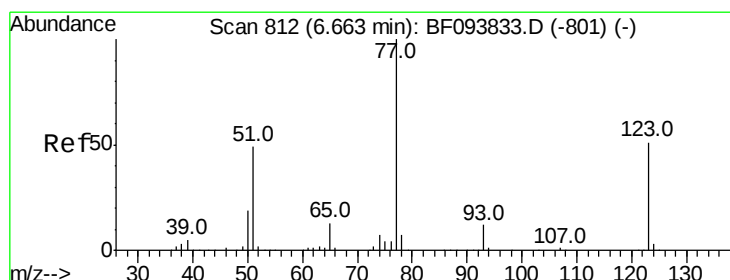
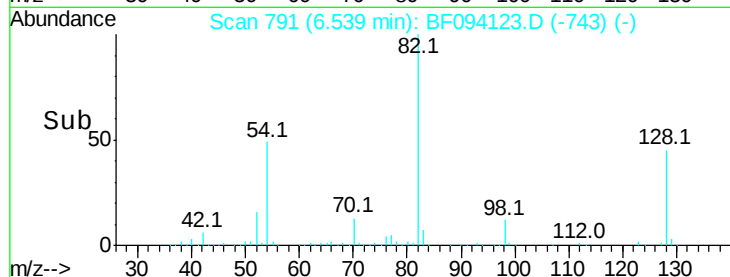
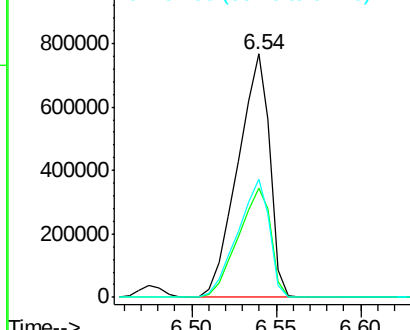
54 48.8 42.2 63.2

Manual Integrations  
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mohammad  
4/4/2017 5:33:57 PM



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



#24

Nitrobenzene

Concen: 43.53 ng

RT: 6.56 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

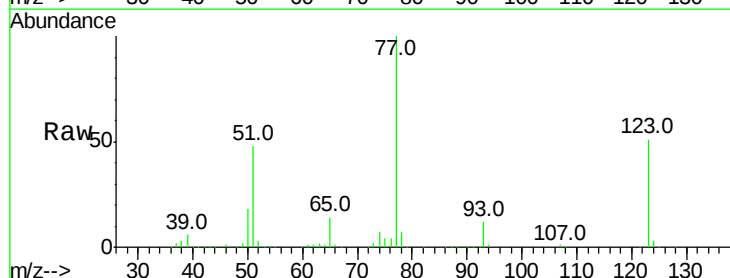
Tgt Ion: 77 Resp: 513287

Ion Ratio Lower Upper

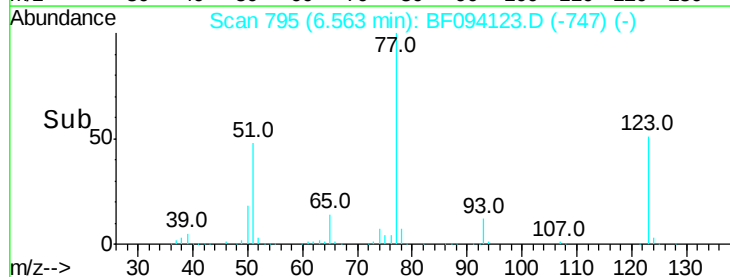
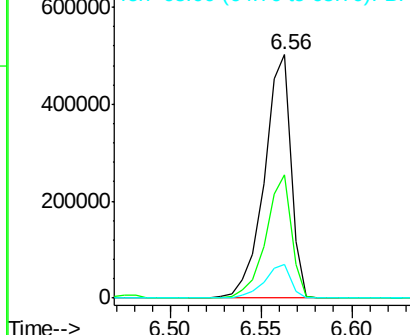
77 100

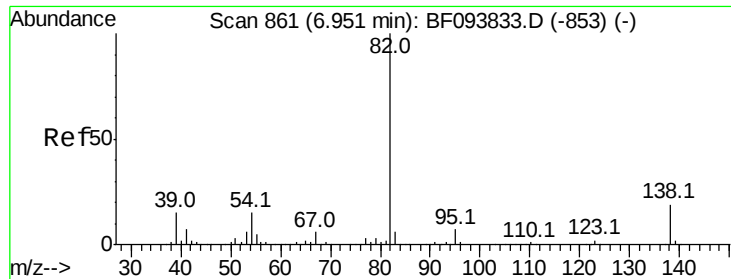
123 50.8 35.8 53.8

65 13.6 10.6 15.8



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





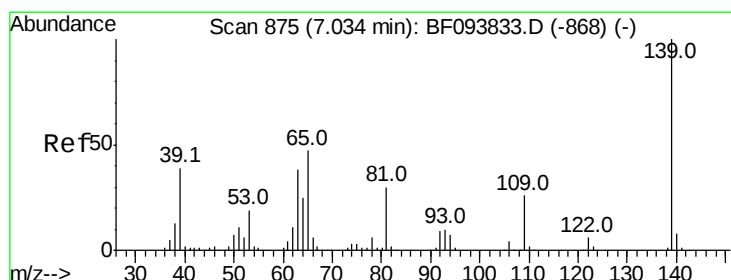
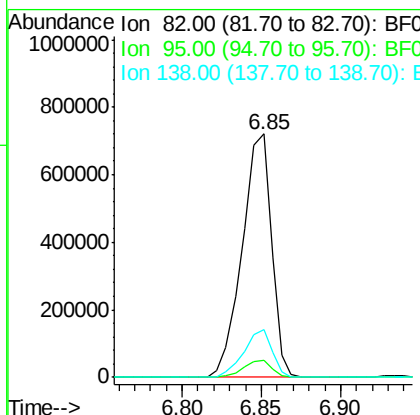
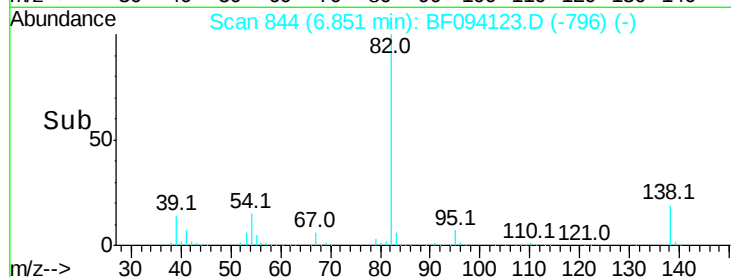
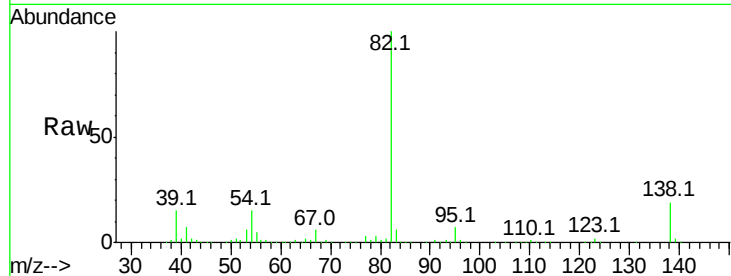
#25  
Isophorone  
Concen: 44.21 ng  
RT: 6.85 min Scan# 844  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 6.8   | 5.3  | 7.9   |       |
| 138     | 19.4  | 13.1 | 19.7  |       |

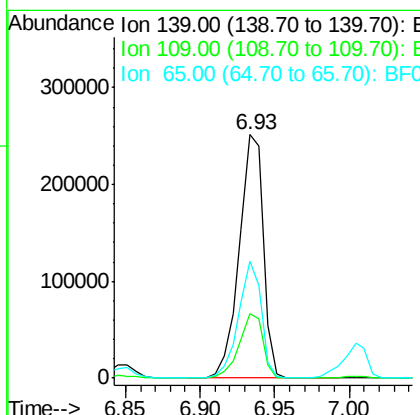
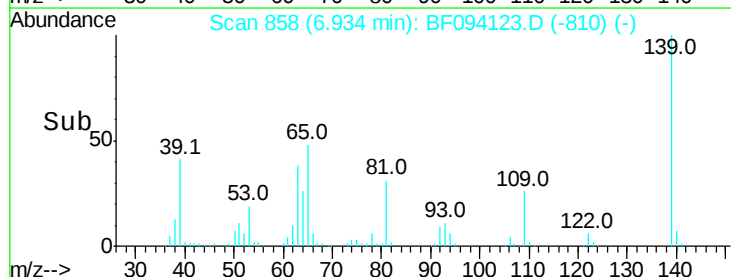
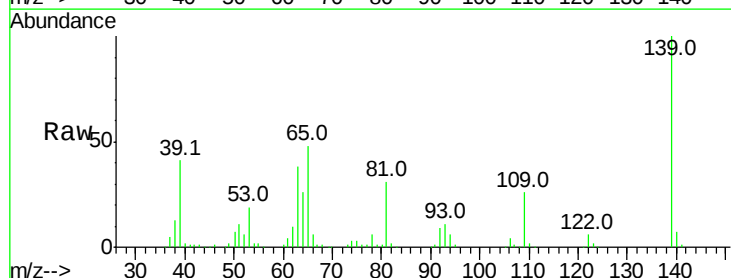
Manual Integrations  
APPROVED

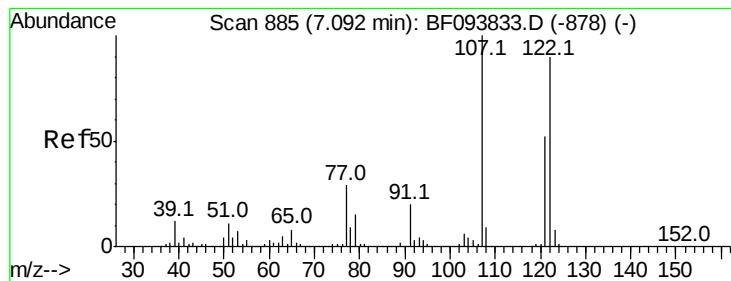
mohammad  
4/4/2017 5:33:57 PM



#26  
2-Nitrophenol  
Concen: 50.27 ng  
RT: 6.93 min Scan# 858  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 26.4  | 21.0 | 31.6  |       |
| 65      | 48.1  | 33.0 | 49.6  |       |





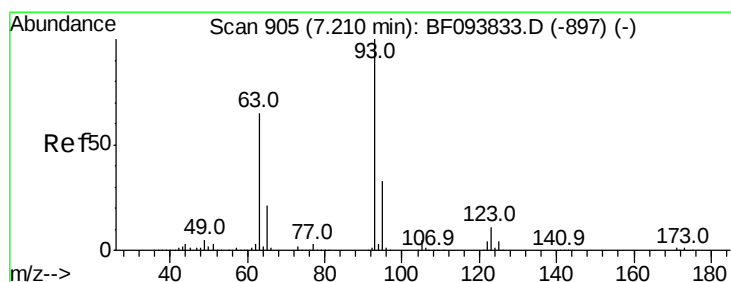
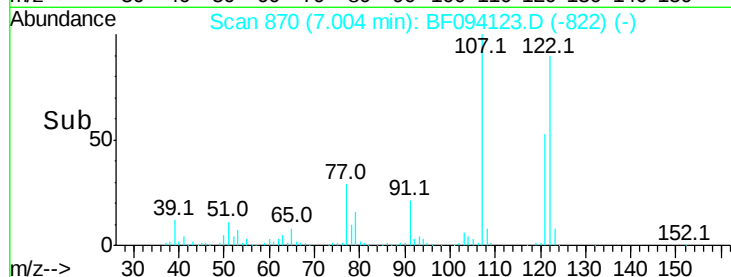
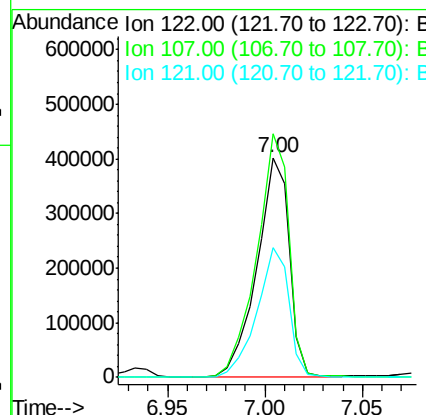
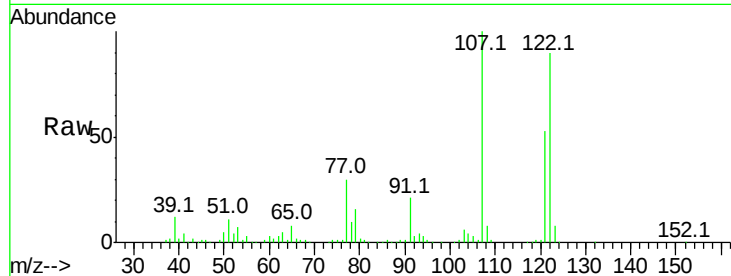
#27  
2,4-Dimethylphenol  
Concen: 47.65 ng  
RT: 7.00 min Scan# 870  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.8 | 89.2  | 133.8 |
| 121     | 59.0  | 45.2  | 67.8  |

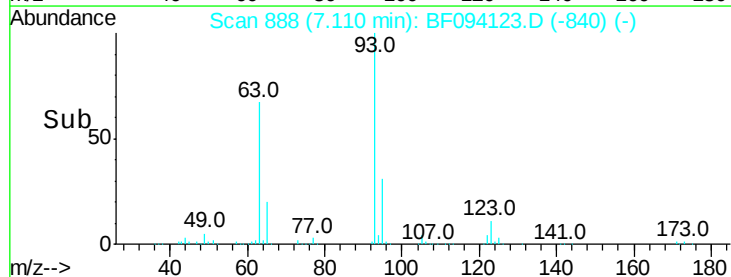
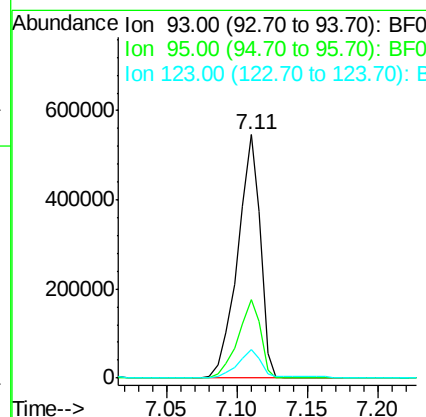
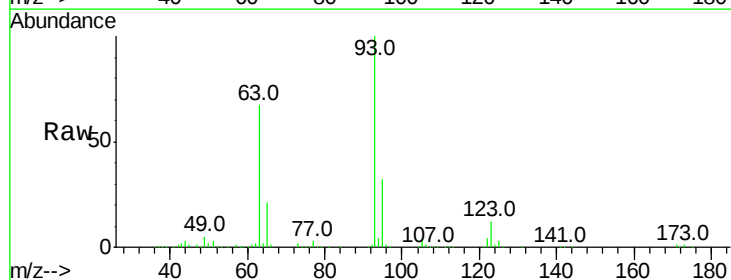
Manual Integrations  
APPROVED

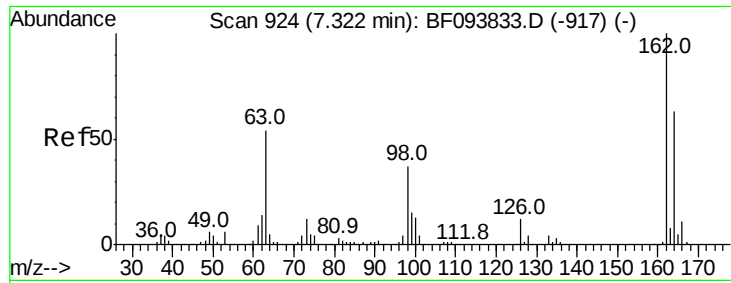
mohammad  
4/4/2017 5:33:57 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.77 ng  
RT: 7.11 min Scan# 888  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.4  | 26.5  | 39.7  |
| 123     | 11.6  | 9.0   | 13.4  |





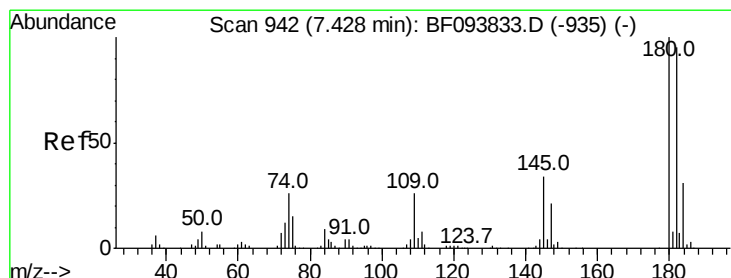
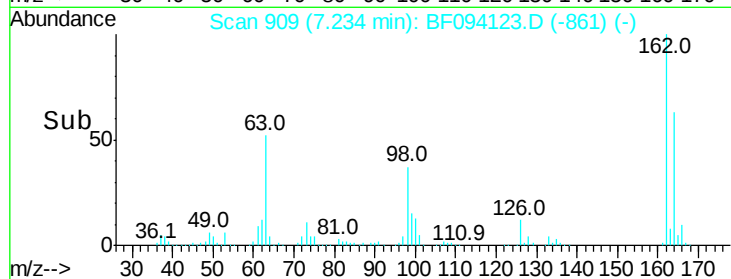
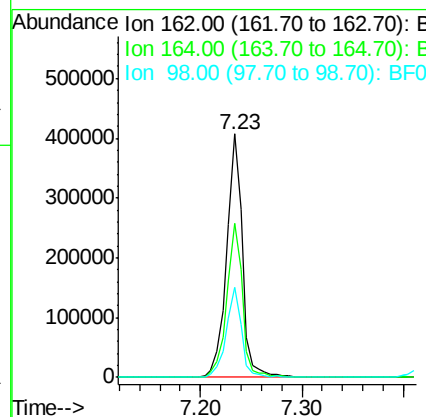
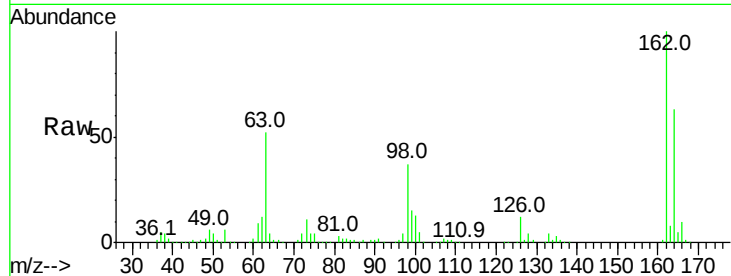
#29  
 2,4-Dichlorophenol  
 Concen: 48.51 ng  
 RT: 7.23 min Scan# 909  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 439491 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.0  | 44.6  | 84.6   |
| 98        | 36.8  | 14.8  | 54.8   |

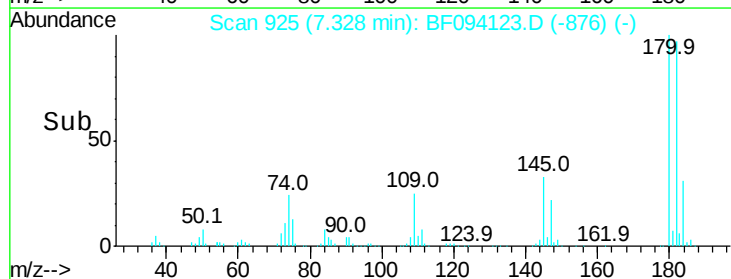
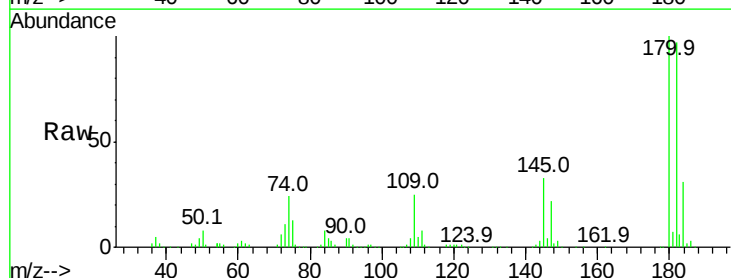
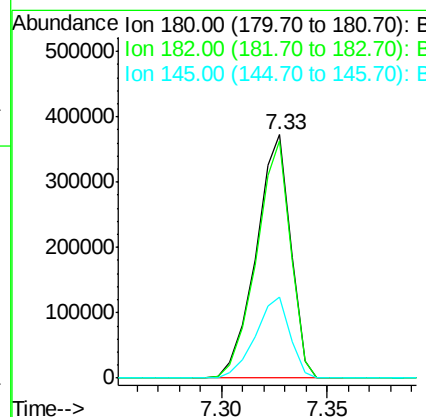
Manual Integrations  
 APPROVED

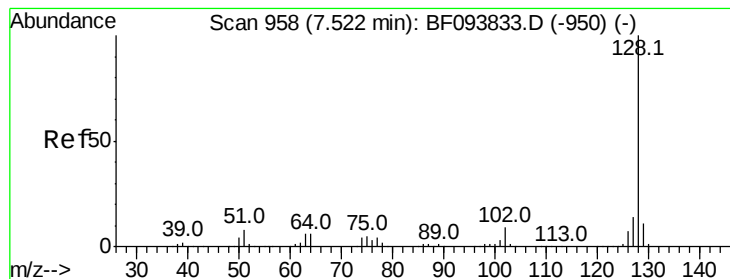
mohammad  
 4/4/2017 5:33:57 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.36 ng  
 RT: 7.33 min Scan# 925  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 423301 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.5  | 75.8  | 113.6  |
| 145       | 33.4  | 25.3  | 37.9   |





#31

Naphthalene

Concen: 43.24 ng

RT: 7.42 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:128 Resp: 1418693

Ion Ratio Lower Upper

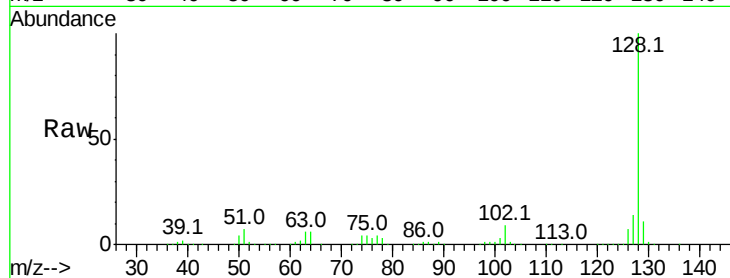
128 100

129 11.4 9.0 13.6

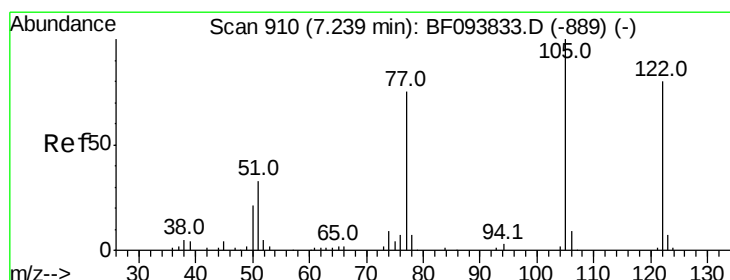
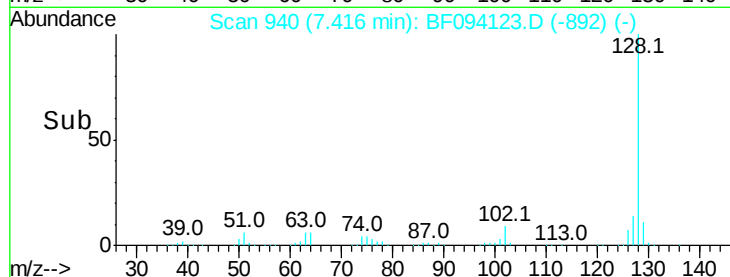
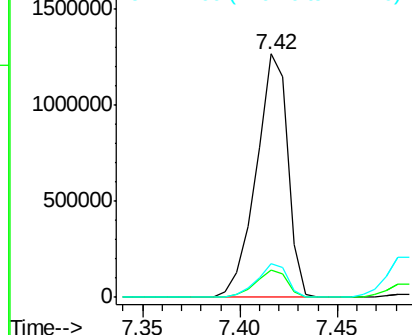
127 13.7 10.8 16.2

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4/4/2017 5:33:57 PM



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: 25.91 ng

RT: 7.16 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

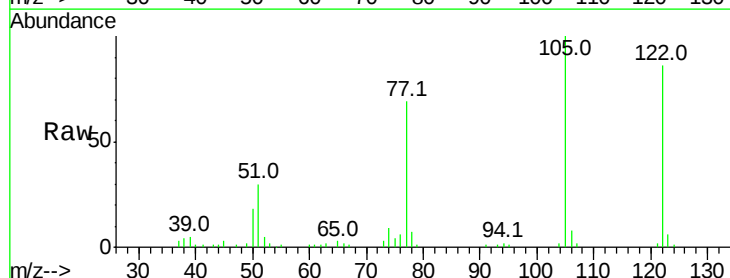
Tgt Ion:122 Resp: 167114

Ion Ratio Lower Upper

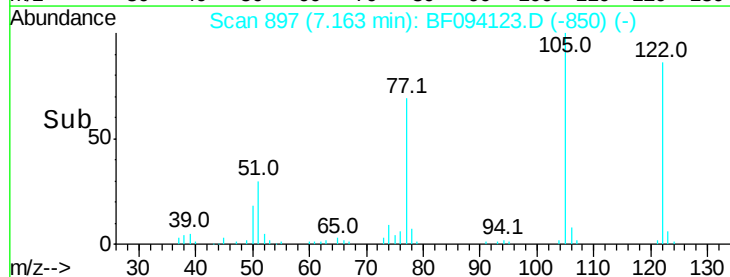
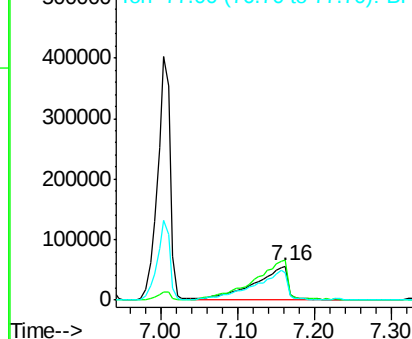
122 100

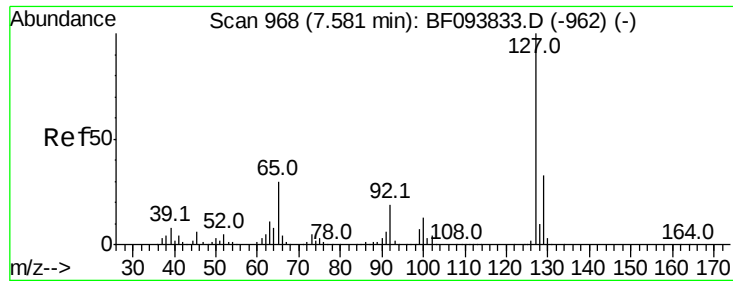
105 116.4 103.3 143.3

77 80.4 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





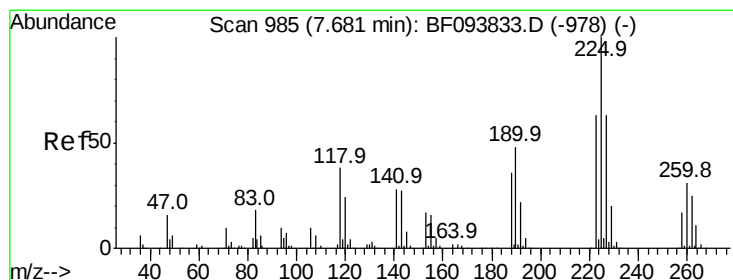
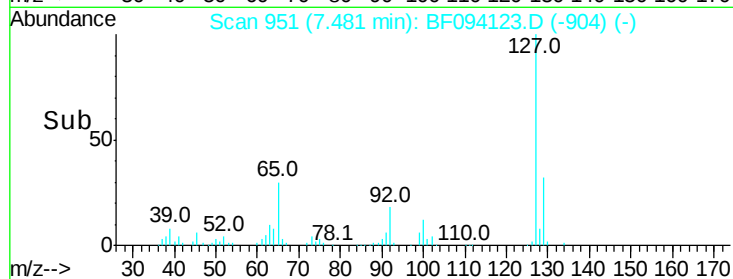
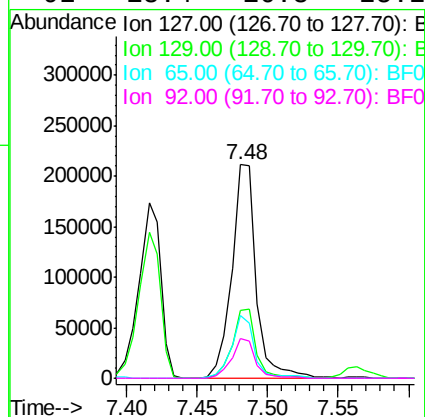
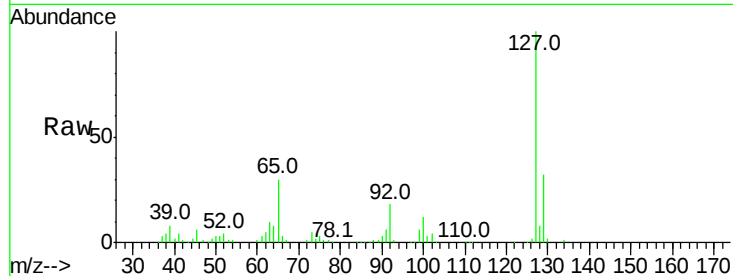
#33  
4-Chloroaniline  
Concen: 19.22 ng  
RT: 7.48 min Scan# 951  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 127   | Resp: | 255572 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.5  | 26.2  | 39.2   |
| 65        | 29.5  | 27.8  | 41.8   |
| 92        | 18.4  | 16.8  | 25.2   |

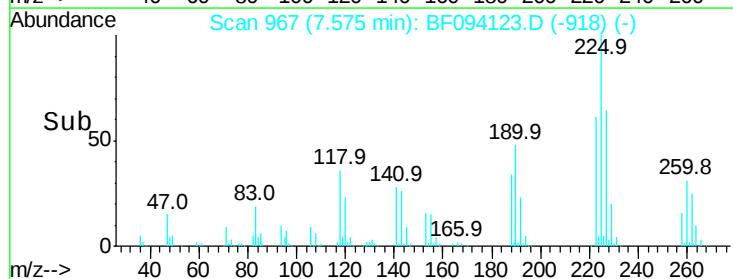
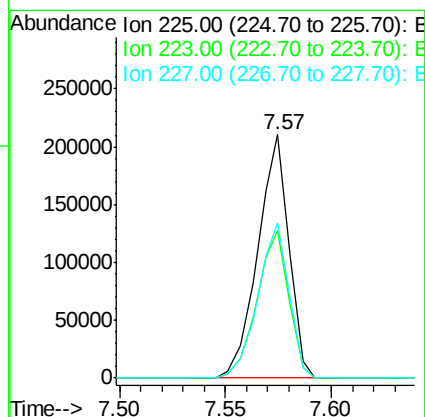
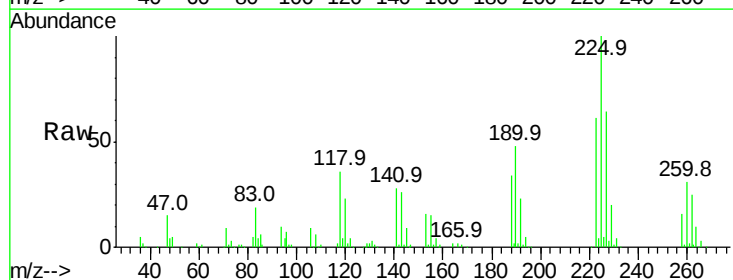
Manual Integrations  
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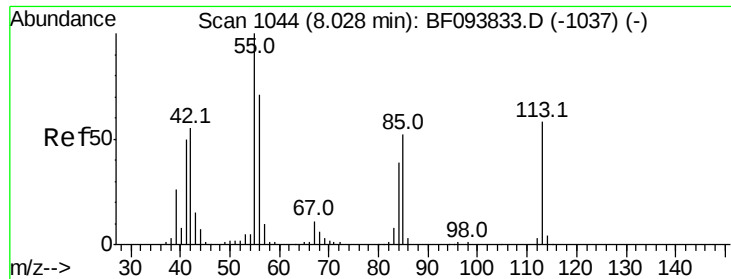
mohammad  
4/4/2017 5:33:57 PM



#34  
Hexachlorobutadiene  
Concen: 44.91 ng  
RT: 7.57 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 214924 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 60.8  | 48.8  | 73.2   |
| 227       | 64.0  | 51.1  | 76.7   |





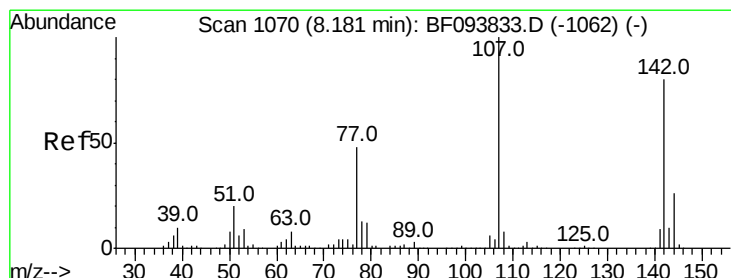
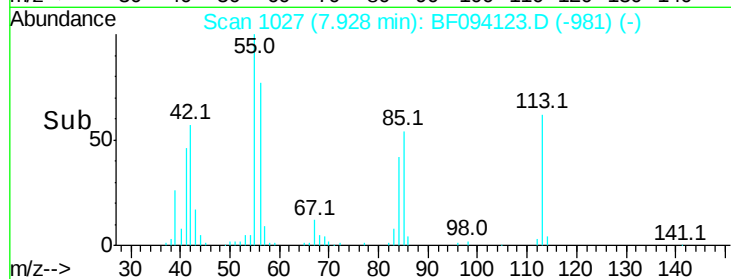
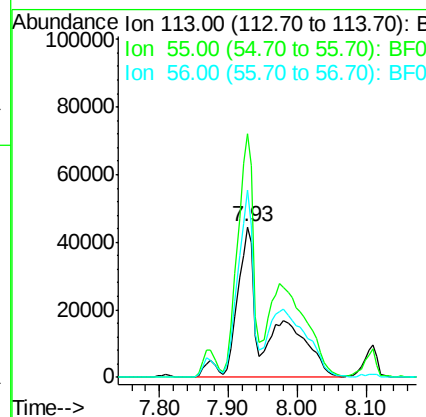
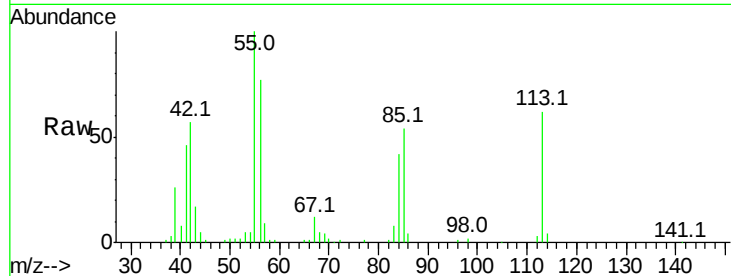
#35  
Caprolactam  
Concen: 48.57 ng/ml  
RT: 7.93 min Scan# 1027  
Delta R.T. -0.03 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleID :  
PB97988BS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |       |
| 55      | 161.7 | 150.2 | 190.2 |       |       |
| 56      | 124.6 | 107.8 | 147.8 |       |       |

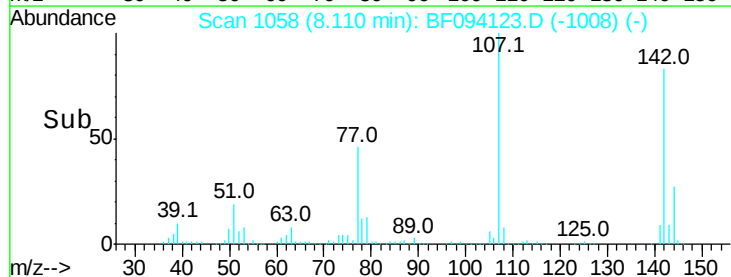
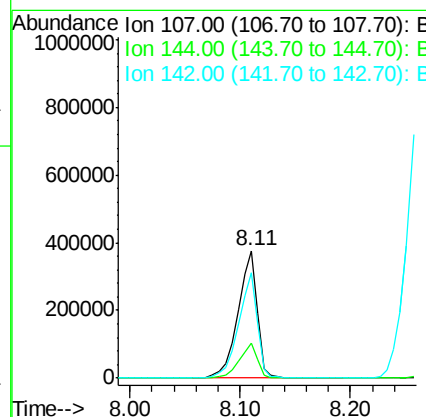
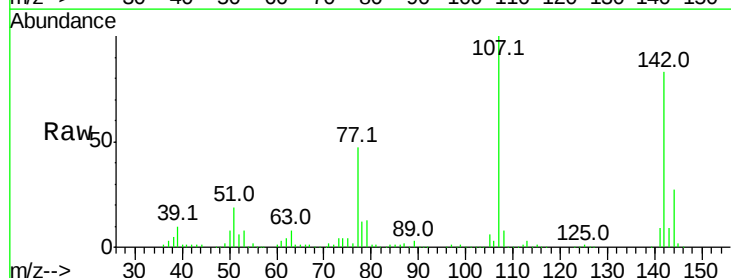
Manual Integrations  
APPROVED

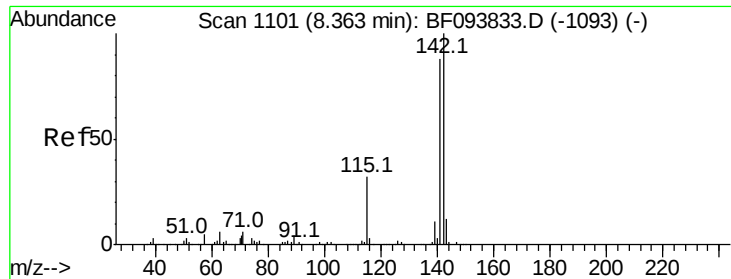
mohammad  
4/4/2017 5:33:57 PM



#36  
4-Chloro-3-methylphenol  
Concen: 48.79 ng/ml  
RT: 8.11 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 144     | 27.2 | 24.2  | 36.4  |       |       |
| 142     | 82.8 | 73.4  | 110.0 |       |       |





#37

2-Methylnaphthalene

Concen: 45.89 ng

RT: 8.26 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:142 Resp: 1003695

Ion Ratio Lower Upper

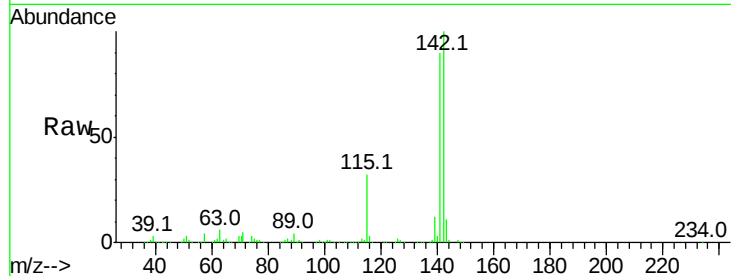
142 100

141 89.9 71.3 106.9

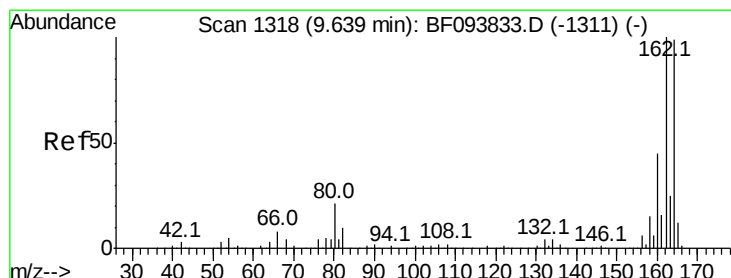
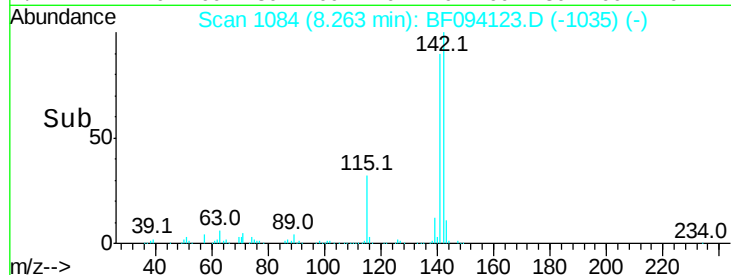
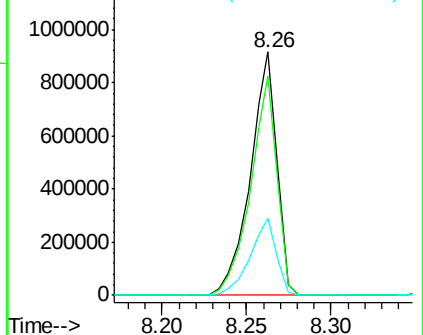
115 31.6 27.1 40.7

Manual Integrations  
APPROVED

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Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

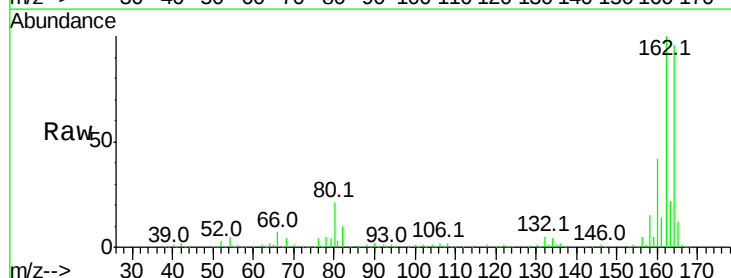
Tgt Ion:164 Resp: 321746

Ion Ratio Lower Upper

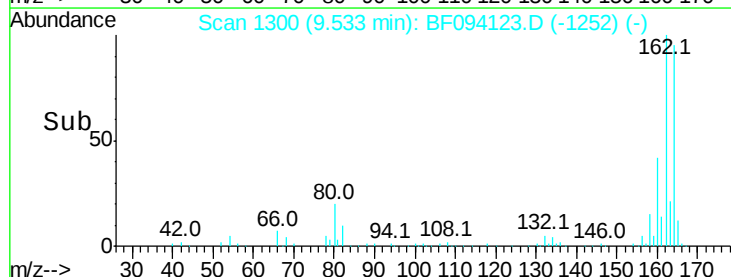
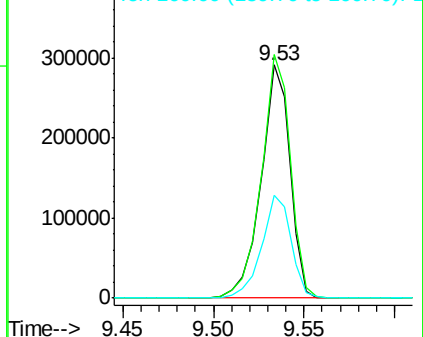
164 100

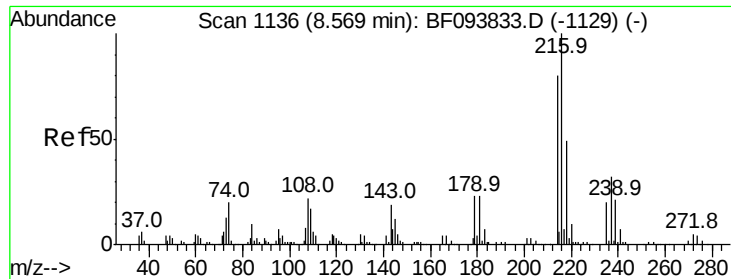
162 104.6 82.6 123.8

160 44.1 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





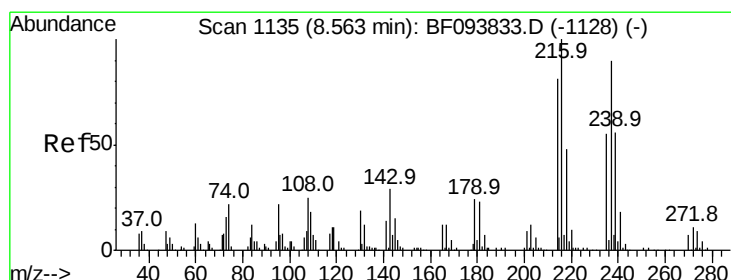
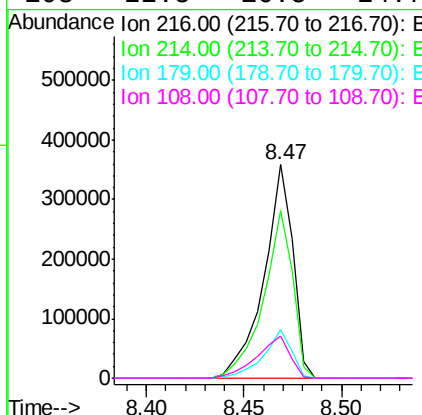
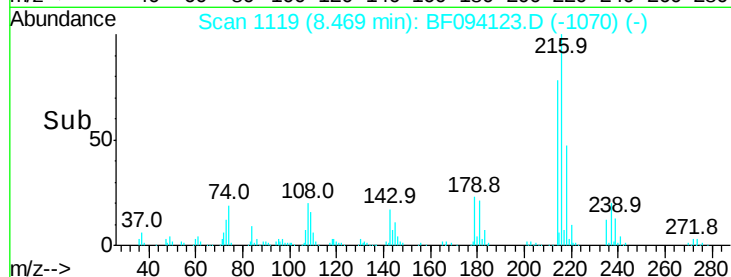
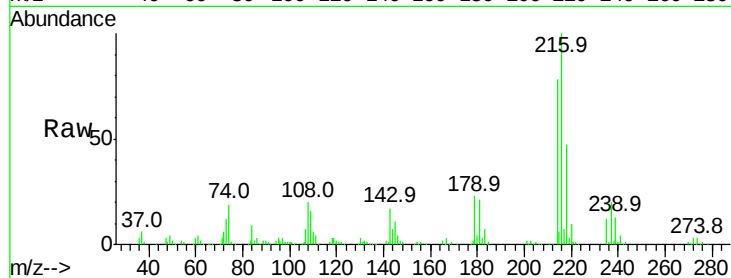
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.00 ng  
 RT: 8.47 min Scan# 1119  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 369635 |       |       |
| 214     | 78.9  | 63.4   | 95.2  |       |
| 179     | 22.3  | 17.9   | 26.9  |       |
| 108     | 22.5  | 16.5   | 24.7  |       |

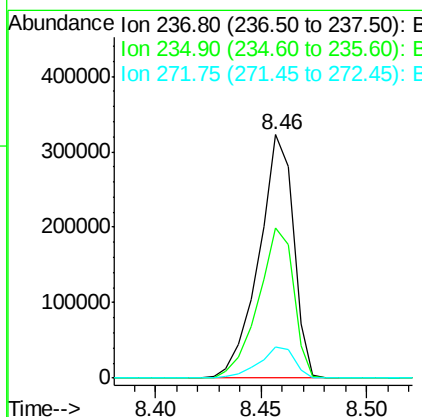
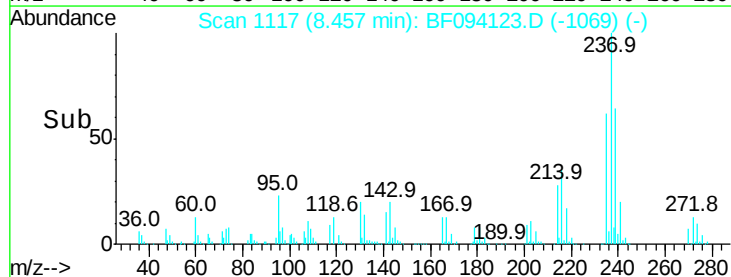
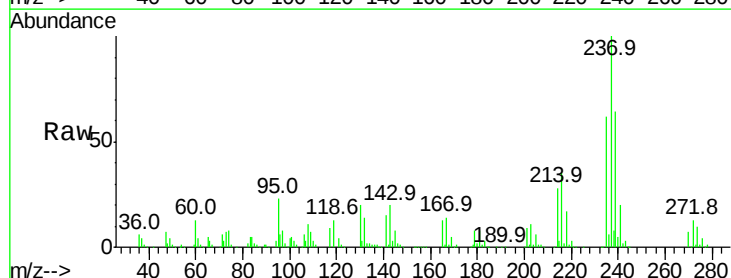
Manual Integrations  
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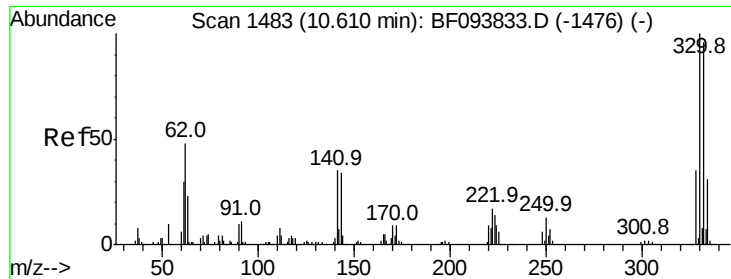
mohammad  
 4/4/2017 5:33:57 PM



#40  
 Hexachlorocyclopentadiene  
 Concen: 89.34 ng  
 RT: 8.46 min Scan# 1117  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 367969 |       |       |
| 235     | 61.8  | 42.6   | 82.6  |       |
| 272     | 12.9  | 0.0    | 31.9  |       |





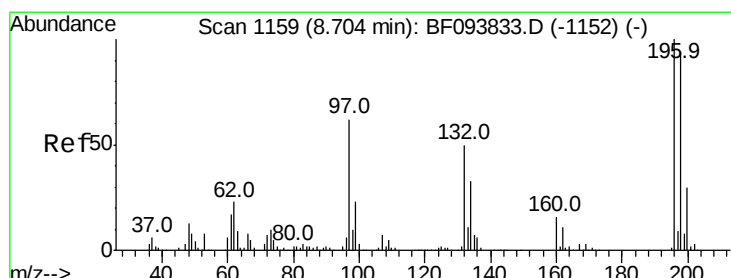
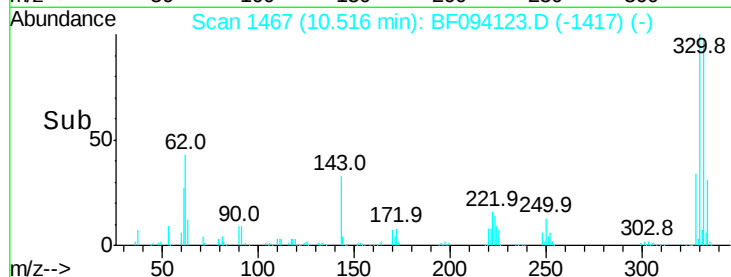
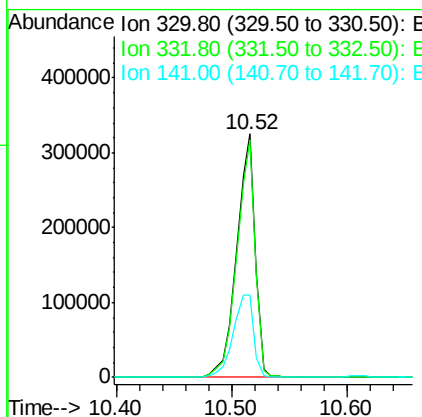
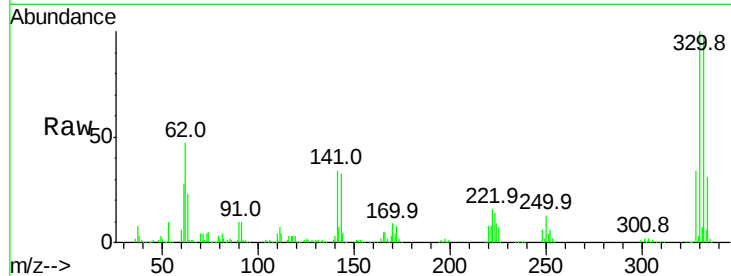
#41  
 2,4,6-Tribromophenol  
 Concen: 141.94 ng  
 RT: 10.52 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.4  | 76.6 | 115.0 |       |
| 141     | 37.9  | 31.4 | 47.2  |       |

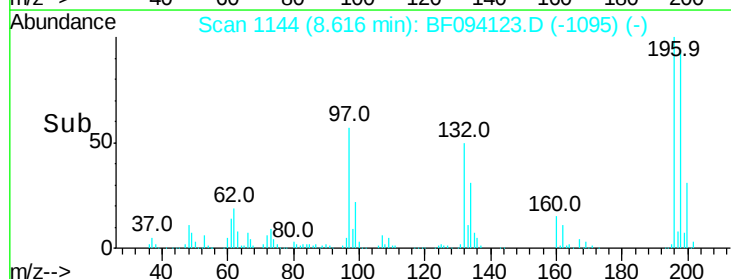
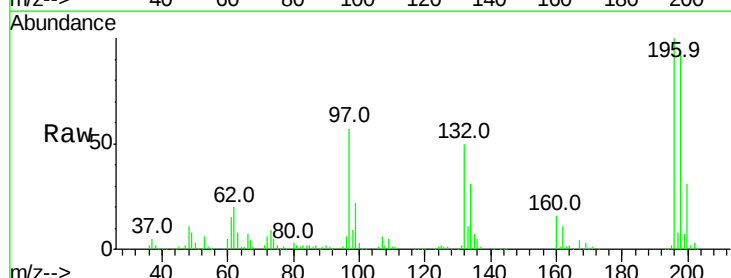
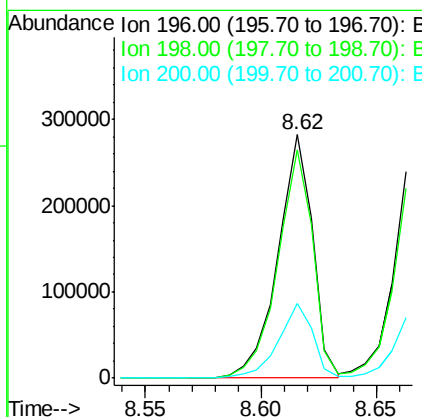
Manual Integrations  
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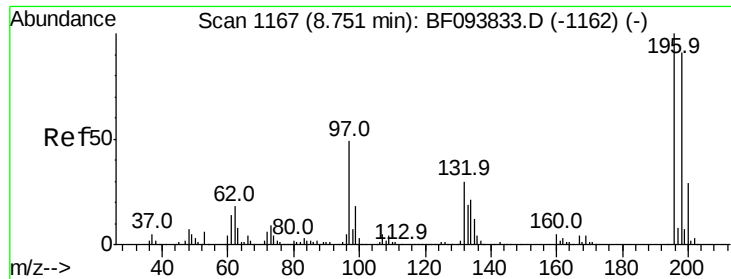
mohammad  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 46.93 ng  
 RT: 8.62 min Scan# 1144  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 93.7  | 74.2 | 111.4 |       |
| 200     | 30.5  | 24.0 | 36.0  |       |





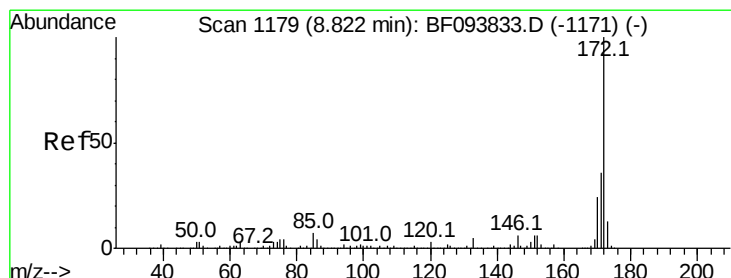
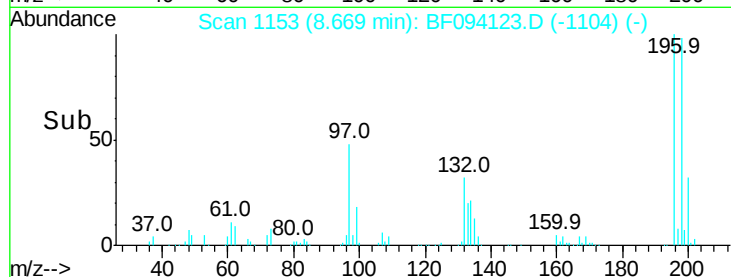
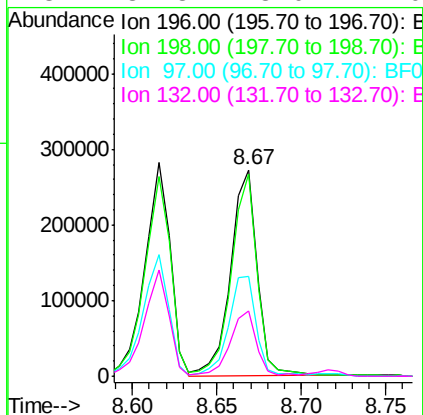
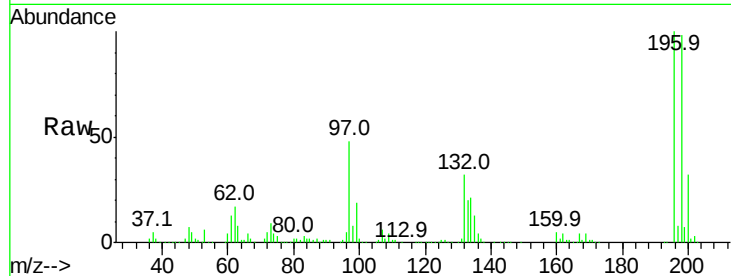
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.01 ng  
 RT: 8.67 min Scan# 1153  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion   | 196   | Resp  | 296567 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 97.7  | 75.7  | 113.5  |
| 97        | 48.4  | 47.7  | 71.5   |
| 132       | 31.8  | 28.0  | 42.0   |

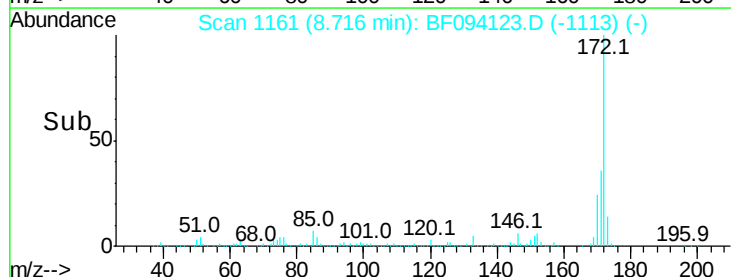
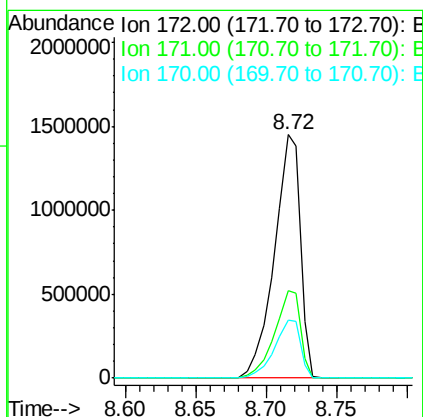
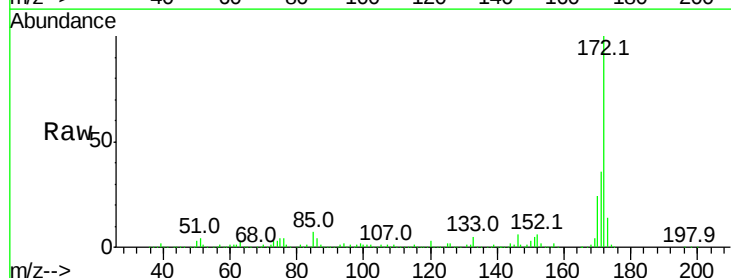
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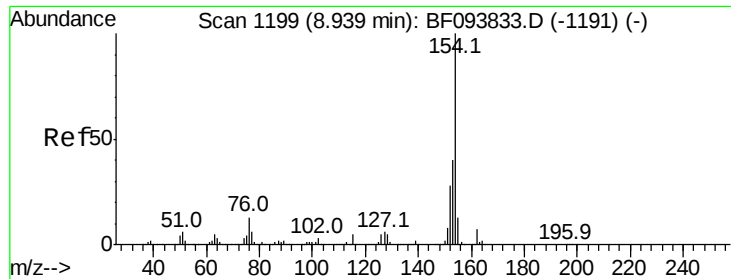
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#44  
 2-Fluorobiphenyl  
 Concen: 88.39 ng  
 RT: 8.72 min Scan# 1161  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion   | 172   | Resp  | 1864472 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 35.8  | 29.6  | 44.4    |
| 170       | 23.7  | 19.8  | 29.8    |





#45

1,1'-Biphenyl

Concen: 43.11 ng

RT: 8.84 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:154 Resp: 1118687

Ion Ratio Lower Upper

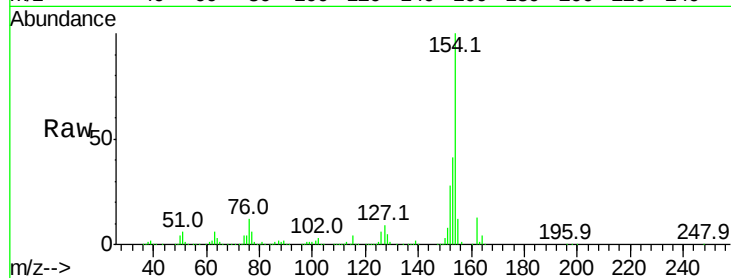
154 100

153 40.5 21.2 61.2

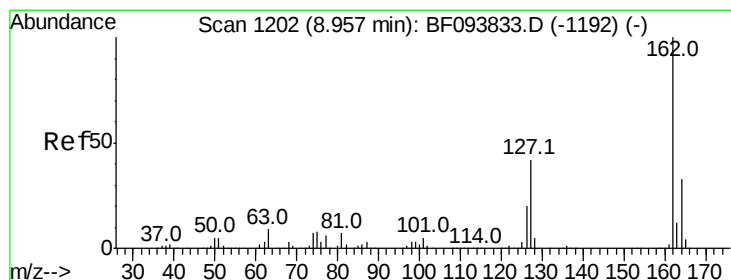
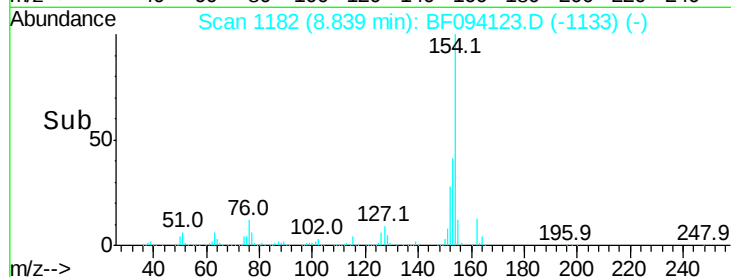
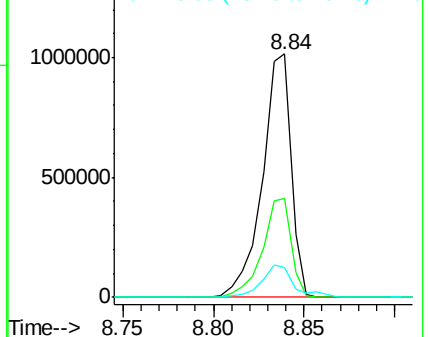
76 12.2 0.0 29.9

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



#46

2-Chloronaphthalene

Concen: 43.82 ng

RT: 8.86 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

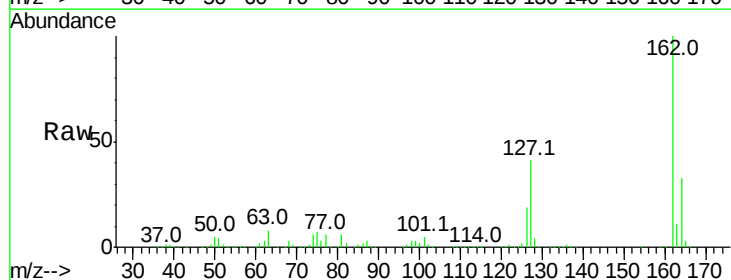
Tgt Ion:162 Resp: 890224

Ion Ratio Lower Upper

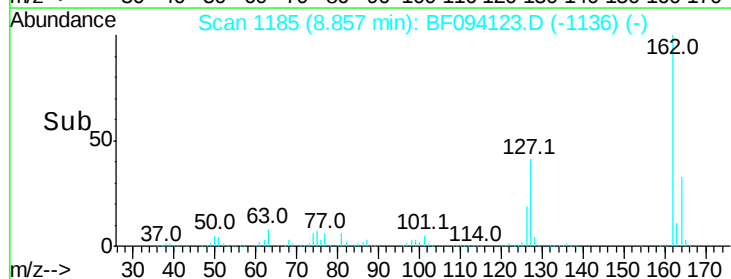
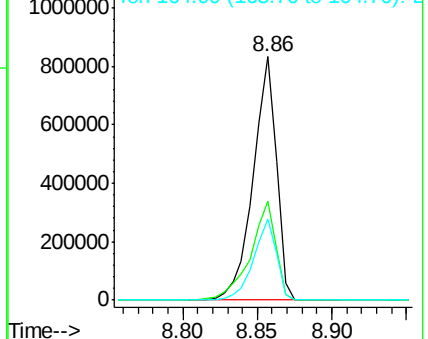
162 100

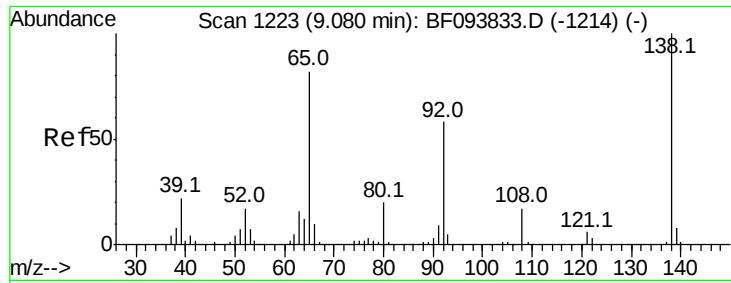
127 40.7 28.3 42.5

164 33.2 27.0 40.4



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





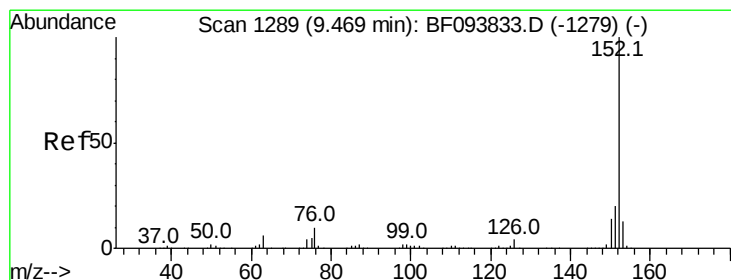
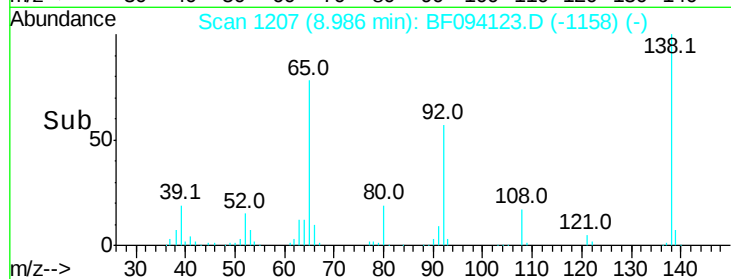
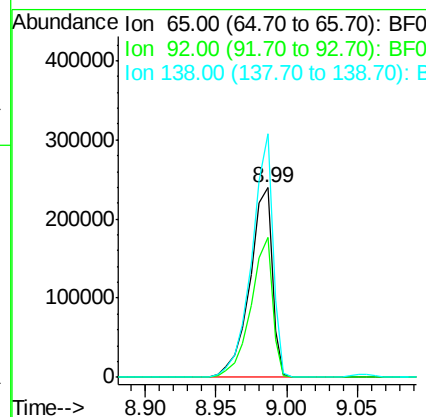
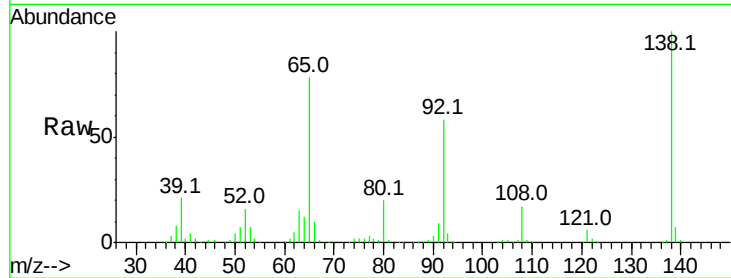
#47  
2-Nitroaniline  
Concen: 44.78 ng  
RT: 8.99 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.9  | 53.9  | 80.9  |
| 138     | 128.3 | 78.8  | 118.2 |

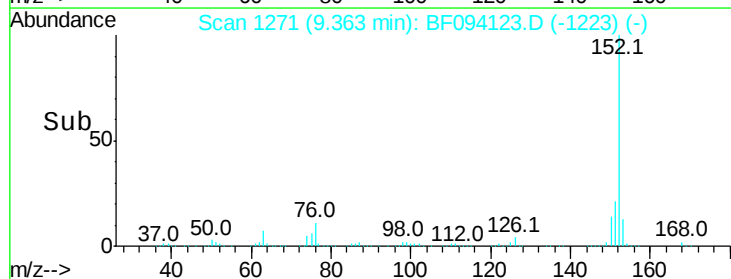
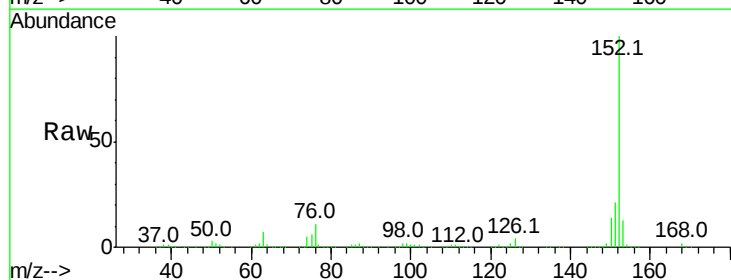
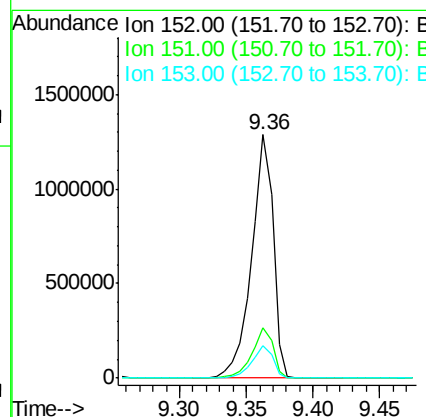
Manual Integrations  
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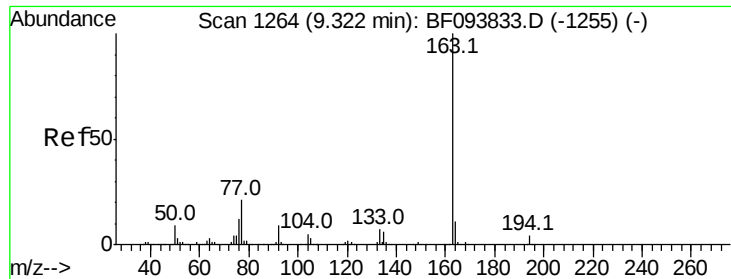
mohammad  
4/4/2017 5:33:57 PM



#48  
Acenaphthylene  
Concen: 41.88 ng  
RT: 9.36 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.8  | 25.2  |
| 153     | 13.3  | 10.8  | 16.2  |





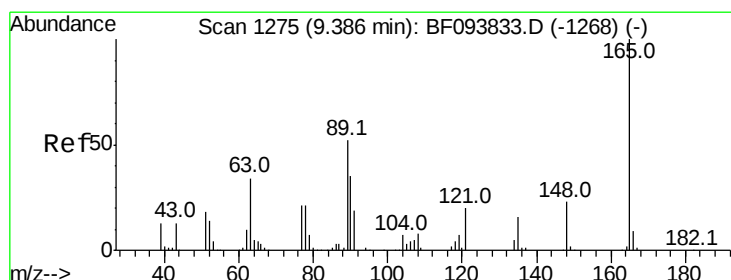
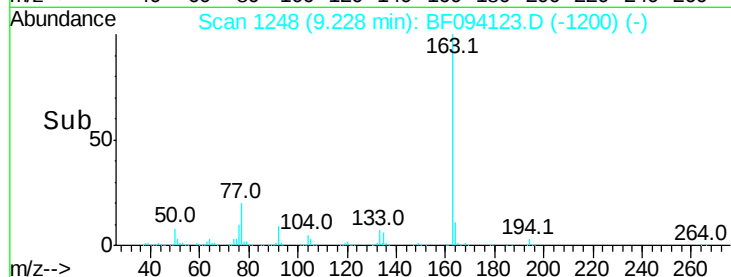
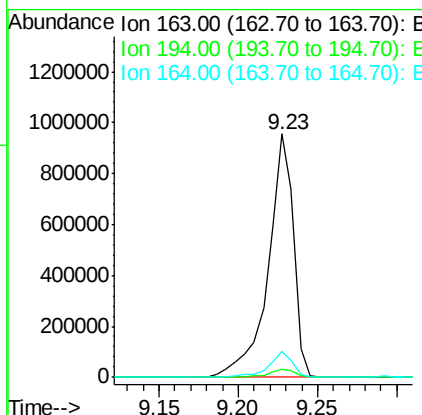
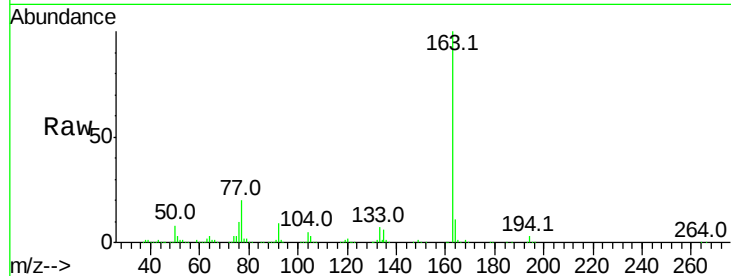
#49  
Dimethylphthalate  
Concen: 46.68 ng  
RT: 9.23 min Scan# 1248  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.5   | 2.6   | 4.0   |
| 164     | 10.7  | 8.4   | 12.6  |

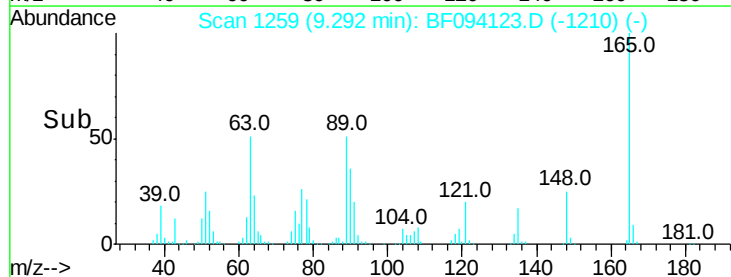
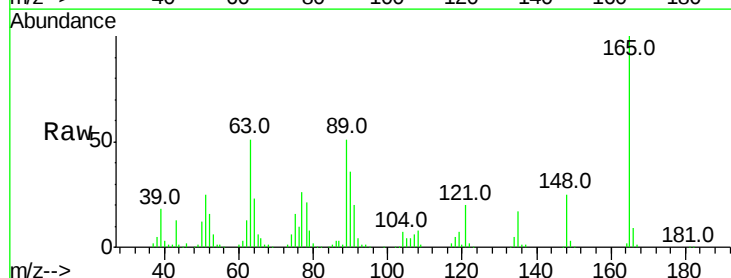
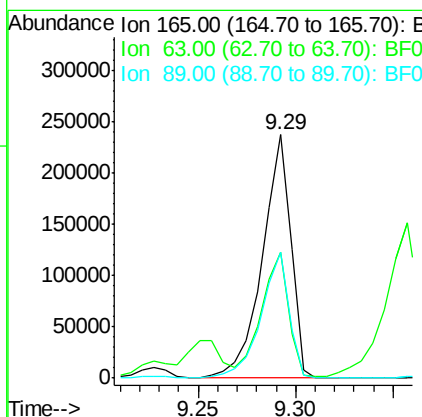
Manual Integrations  
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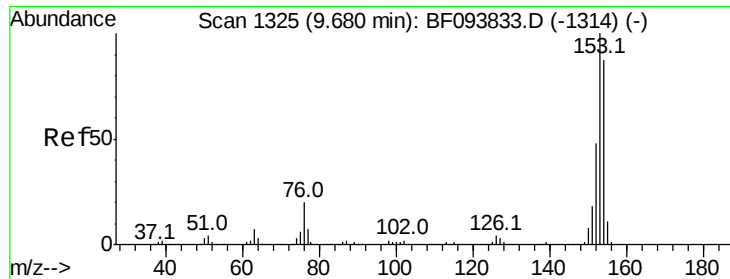
mohammad  
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#50  
2,6-Dinitrotoluene  
Concen: 45.96 ng  
RT: 9.29 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

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





#51

Acenaphthene

Concen: 42.83 ng

RT: 9.57 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

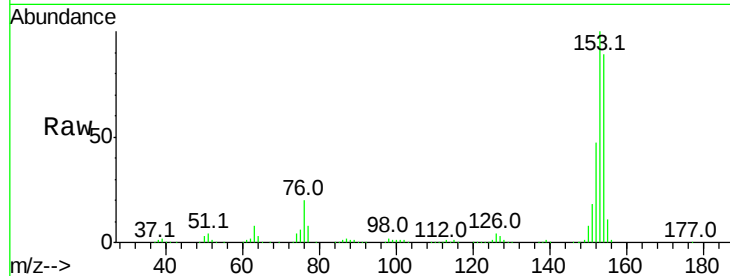
ClientSampleId :

PB97988BS

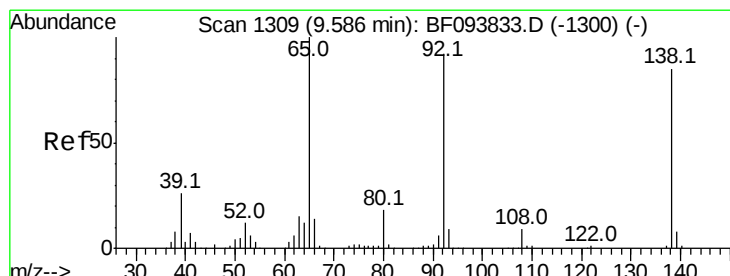
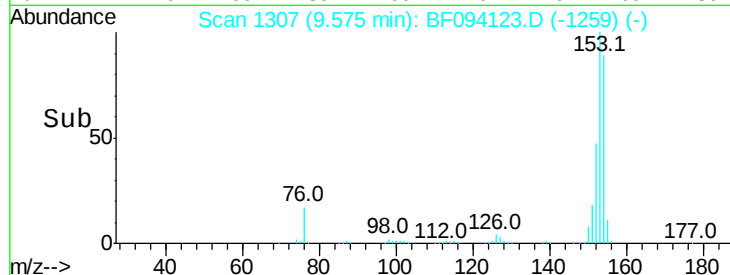
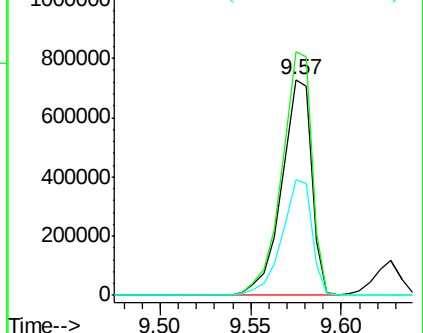
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 843804 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.0 | 90.5  | 135.7  |
| 152       | 53.6  | 43.6  | 65.4   |

Manual Integrations  
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4/4/2017 5:33:57 PM



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 23.52 ng

RT: 9.49 min Scan# 1293

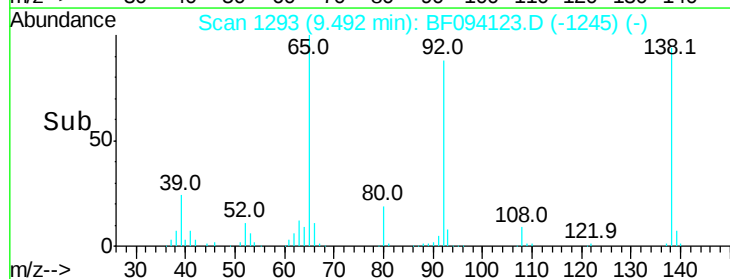
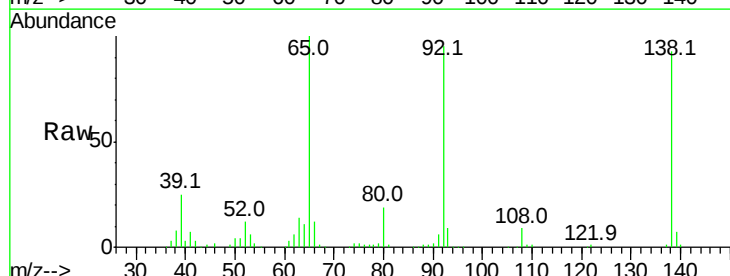
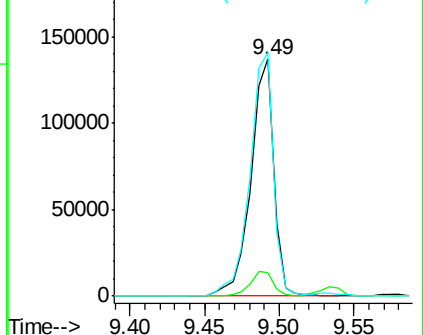
Delta R.T. -0.02 min

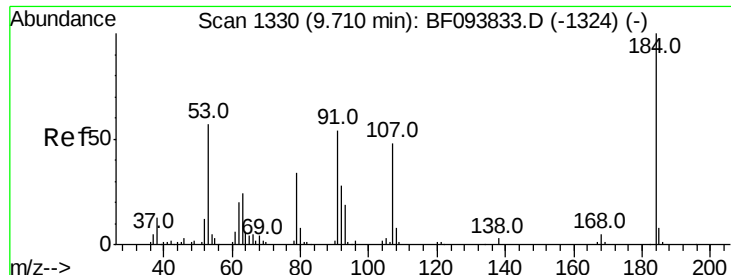
Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 144792 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 9.6   | 9.1   | 13.7   |
| 92        | 102.8 | 93.8  | 140.6  |

Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF0





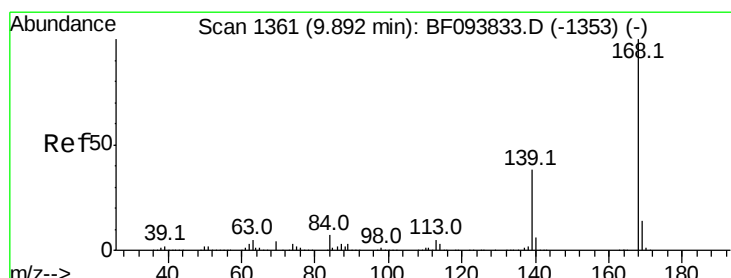
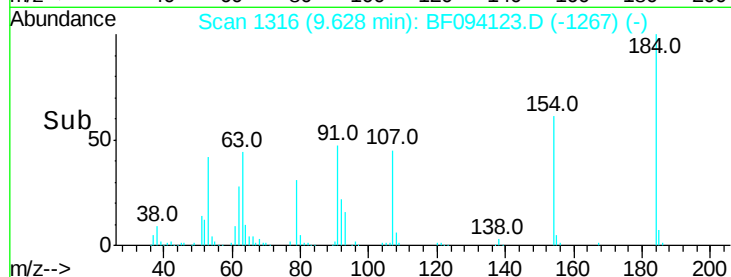
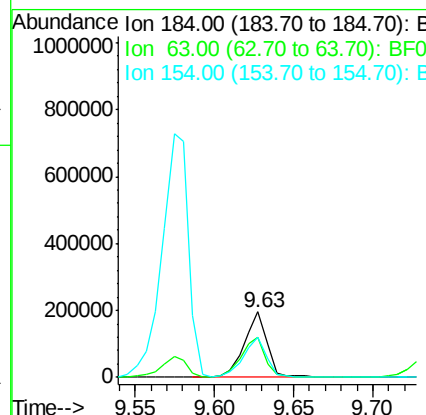
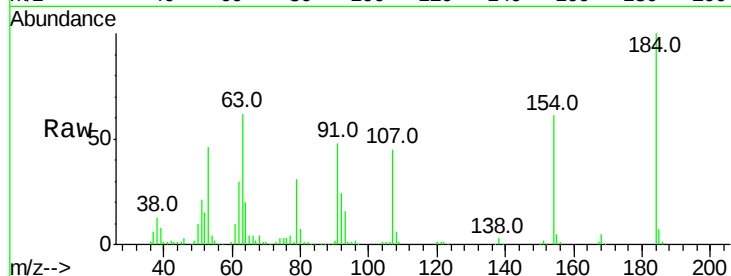
#53  
 2,4-Dinitrophenol  
 Concen: 70.11 ng  
 RT: 9.63 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 184     | 100   | 194974 |        |       |
| 63      | 61.6  | 62.7   | 94.1#  |       |
| 154     | 61.4  | 81.1   | 121.7# |       |

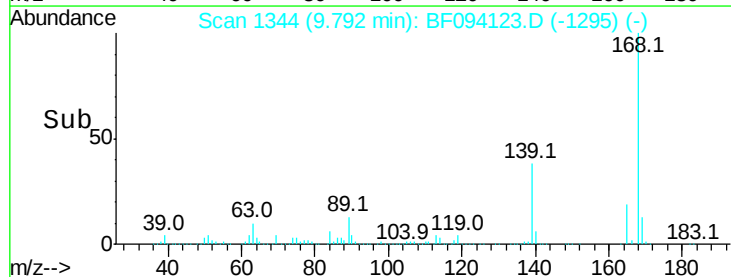
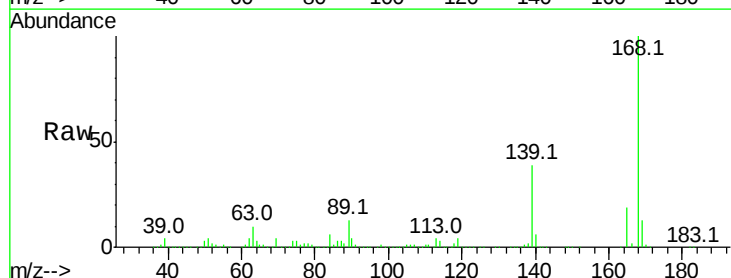
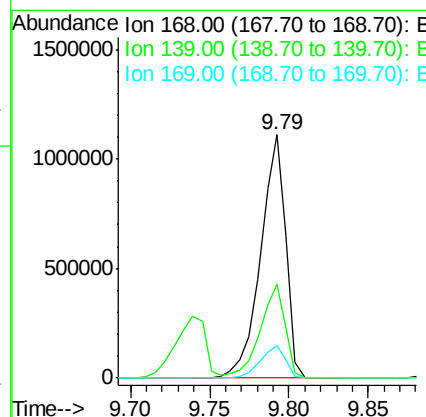
Manual Integrations  
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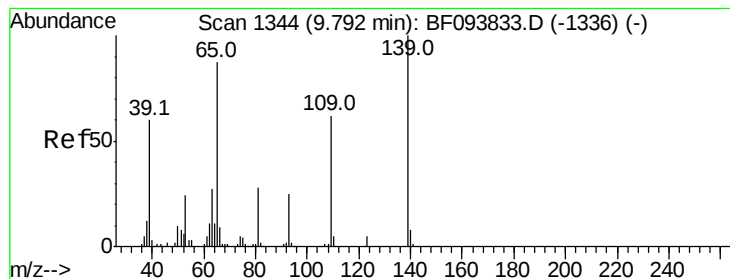
mohammad  
 4/4/2017 5:33:57 PM



#54  
 Dibenzofuran  
 Concen: 45.59 ng  
 RT: 9.79 min Scan# 1344  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1222670 |       |       |
| 139     | 38.5  | 30.6    | 45.8  |       |
| 169     | 13.4  | 10.8    | 16.2  |       |





#55

4-Nitrophenol

Concen: 77.60 ng

RT: 9.74 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:139 Resp: 374146

Ion Ratio Lower Upper

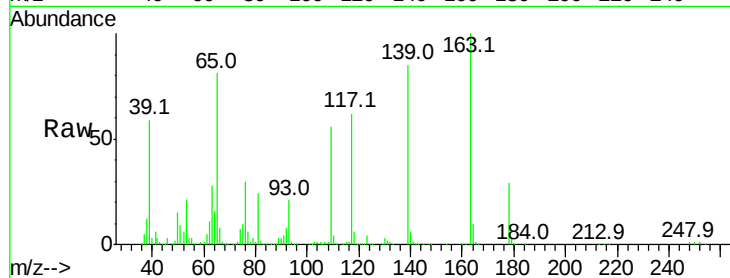
139 100

109 65.5 34.1 74.1

65 95.6 31.4 71.4#

Manual Integrations  
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

500000

400000

300000

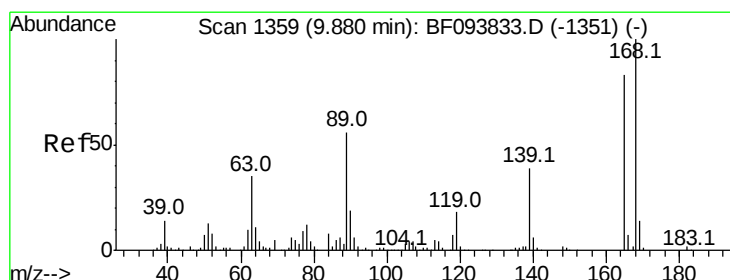
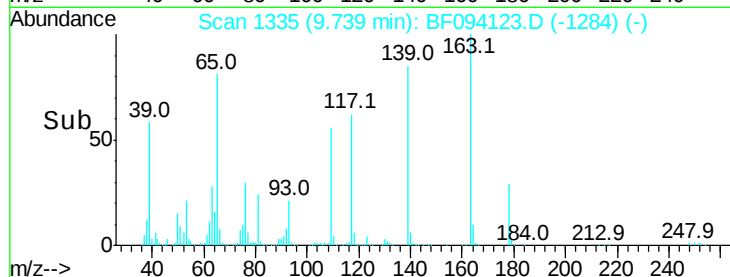
200000

100000

0

9.70 9.75

Time-->



#56

2,4-Dinitrotoluene

Concen: 44.72 ng

RT: 9.79 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Tgt Ion:165 Resp: 294494

Ion Ratio Lower Upper

165 100

63 57.7 25.4 38.0#

89 75.4 46.4 69.6#

182 2.2 1.8 2.6

Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

400000

300000

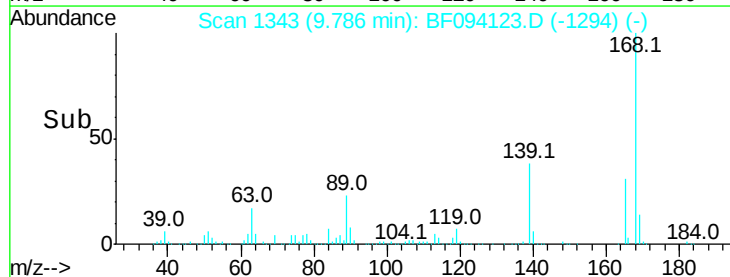
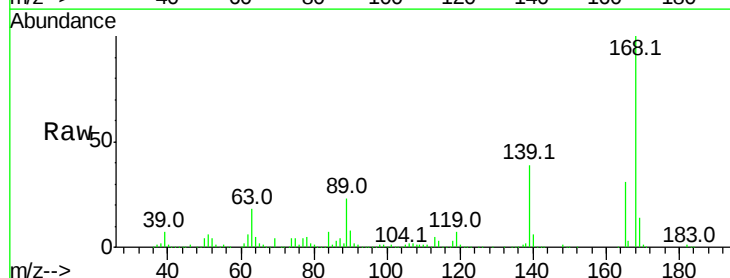
200000

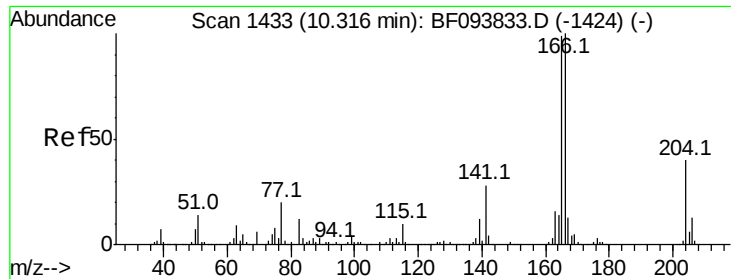
100000

0

9.65 9.70 9.75 9.80 9.85

Time-->





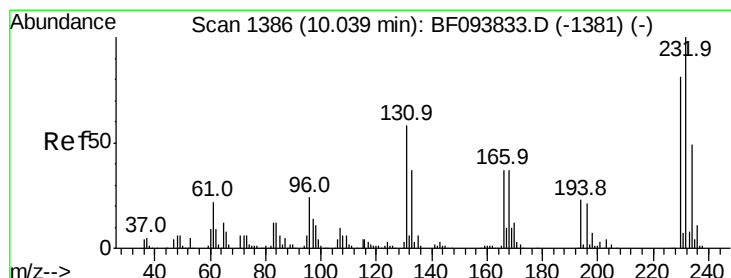
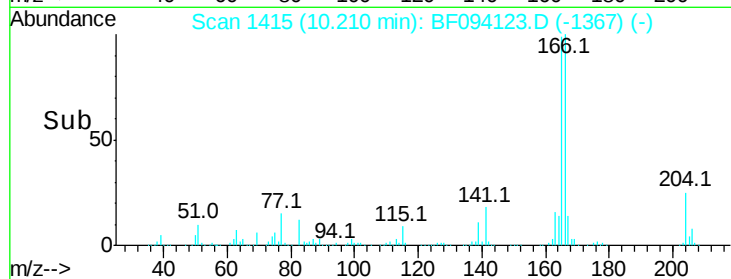
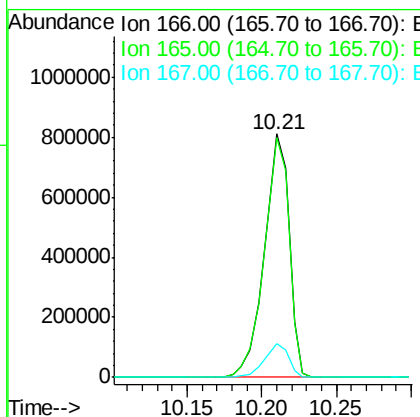
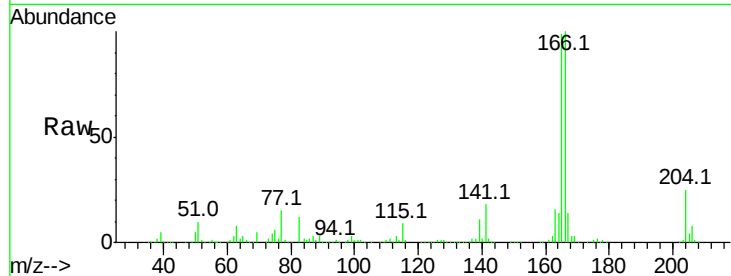
#57  
**Fluorene**  
 Concen: 41.58 ng  
 RT: 10.21 min Scan# 1415  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 98.6  | 78.8 | 118.2 |       |
| 167     | 13.7  | 10.6 | 16.0  |       |

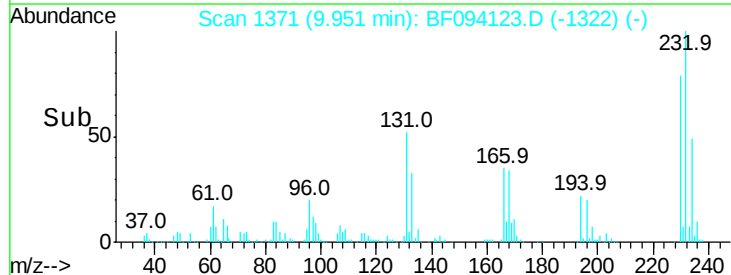
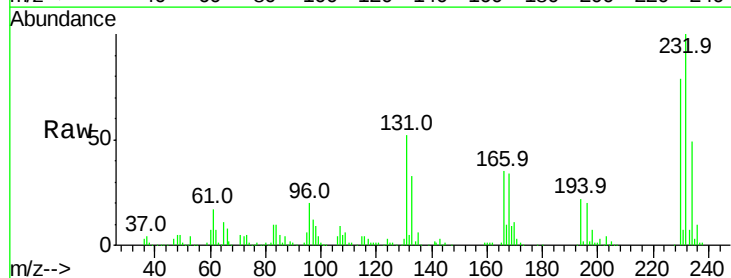
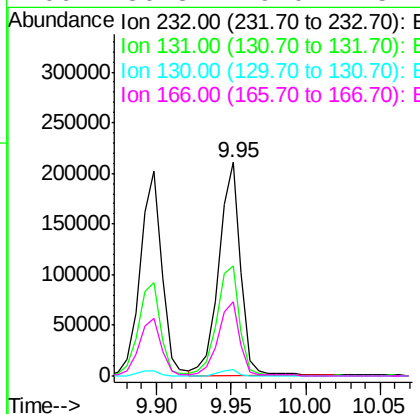
Manual Integrations  
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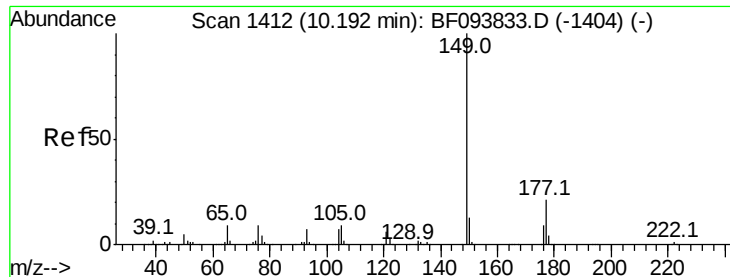
mohammad  
 4/4/2017 5:33:57 PM



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 46.45 ng  
 RT: 9.95 min Scan# 1371  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 54.4  | 44.8 | 67.2  |       |
| 130     | 2.6   | 2.3  | 3.5   |       |
| 166     | 36.3  | 29.0 | 43.4  |       |





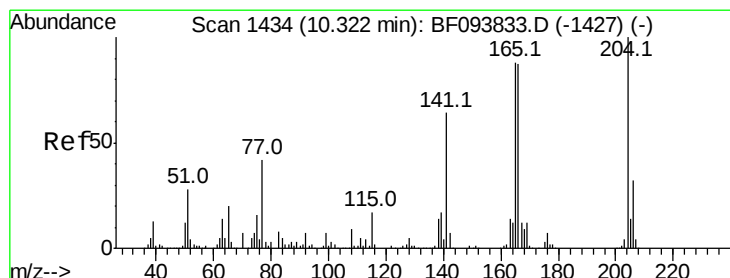
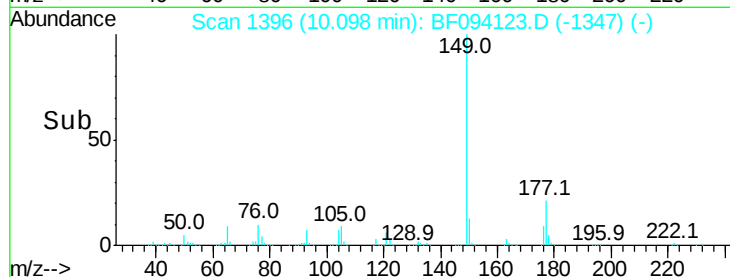
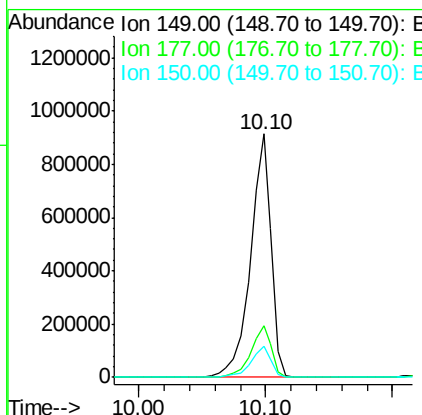
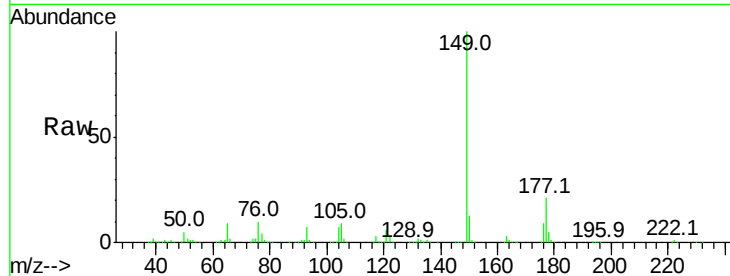
#59  
Diethylphthalate  
Concen: 45.69 ng  
RT: 10.10 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.3  | 16.7  | 25.1  |
| 150     | 12.6  | 10.2  | 15.2  |

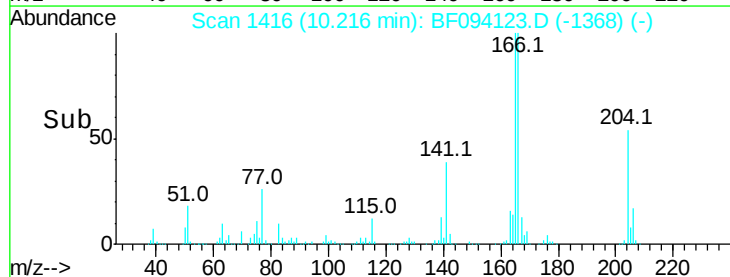
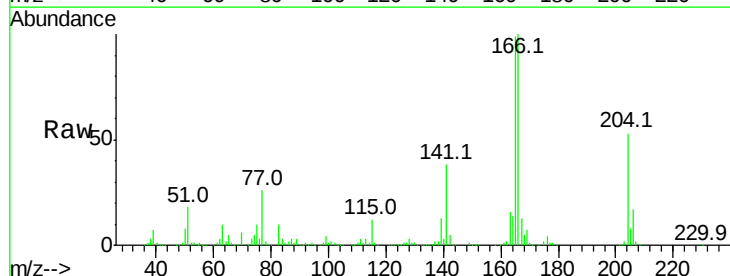
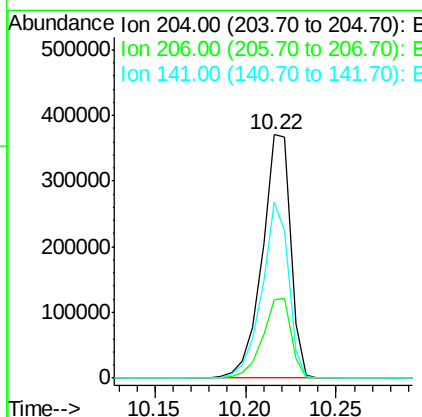
Manual Integrations  
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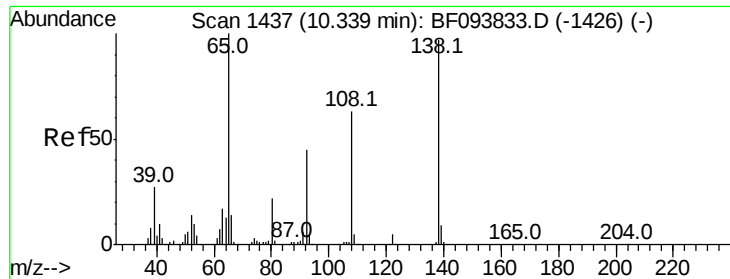
mohammad  
4/4/2017 5:33:57 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 42.55 ng  
RT: 10.22 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.3  | 26.2  | 39.2  |
| 141     | 72.3  | 60.8  | 91.2  |





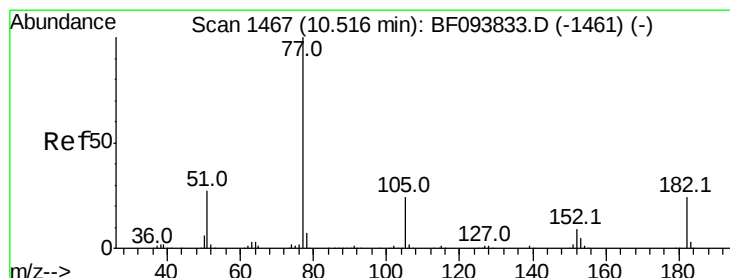
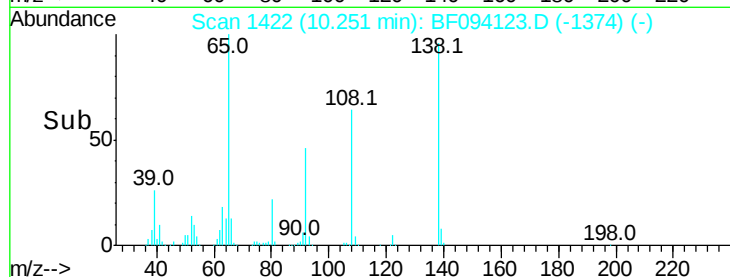
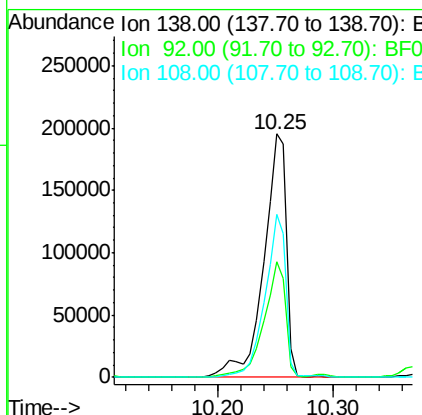
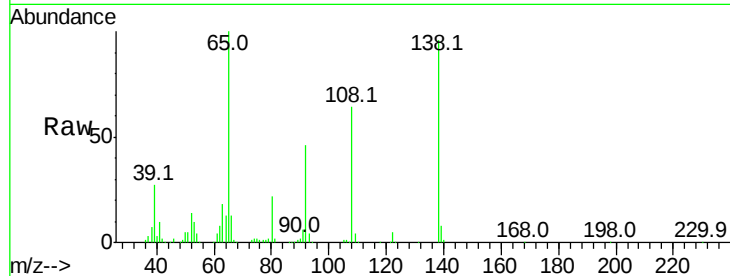
#61  
4-Nitroaniline  
Concen: 45.37 ng  
RT: 10.25 min Scan# 1422  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampled :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.5  | 21.8  | 61.8  |
| 108     | 66.8  | 42.3  | 82.3  |

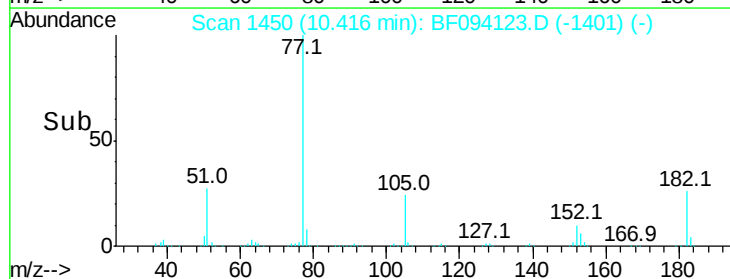
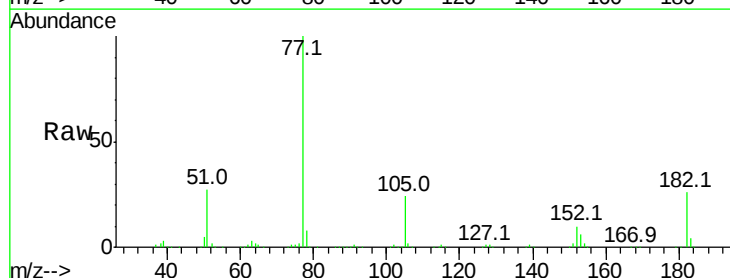
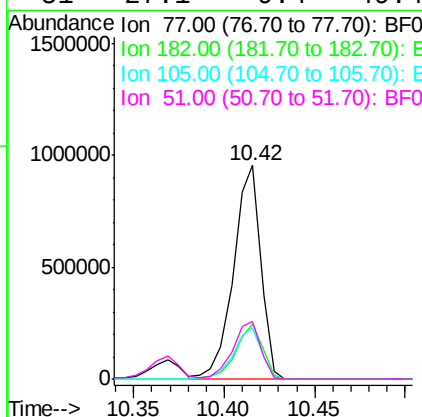
Manual Integrations  
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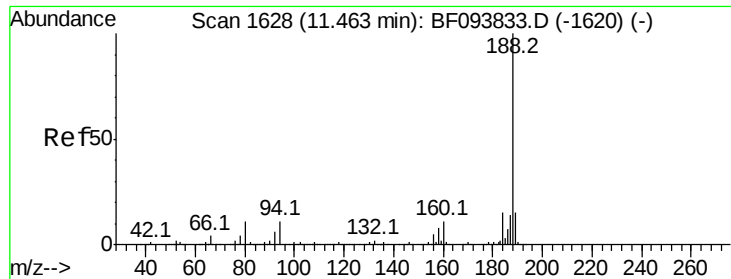
mohammad  
4/4/2017 5:33:57 PM



#62  
Azobenzene  
Concen: 46.74 ng  
RT: 10.42 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 25.7  | 0.1   | 40.1  |
| 105     | 24.0  | 3.6   | 43.6  |
| 51      | 27.1  | 9.4   | 49.4  |





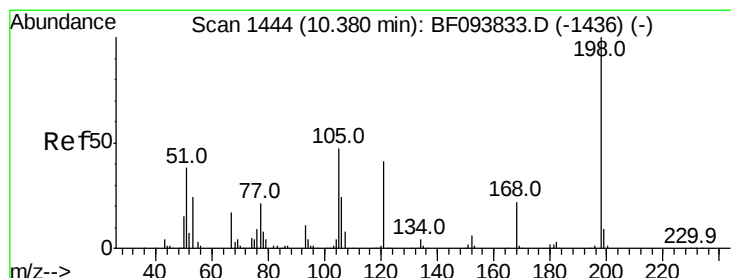
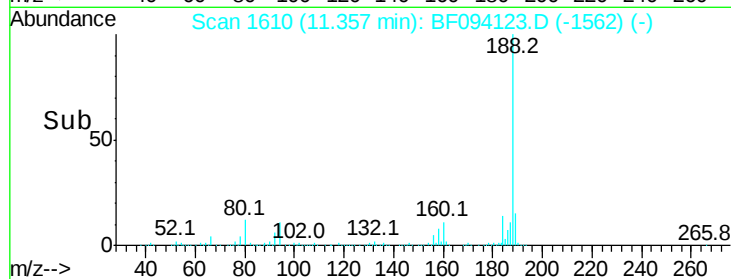
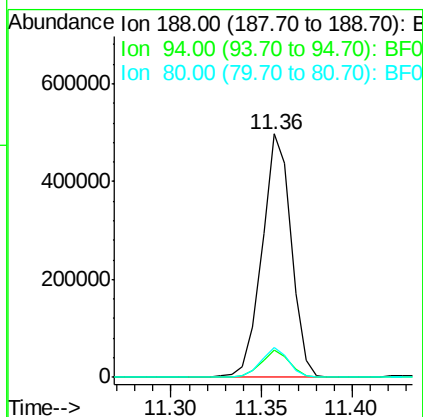
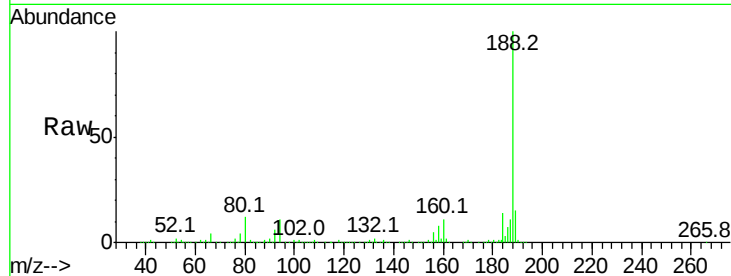
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 1610  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 11.1  | 9.4  | 14.2  |       |
| 80      | 12.5  | 10.2 | 15.2  |       |

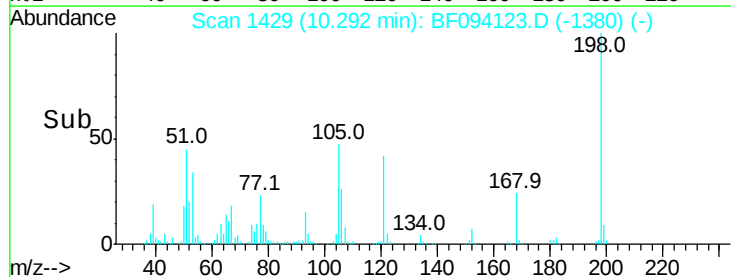
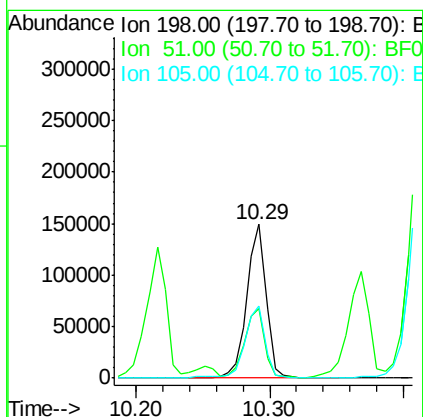
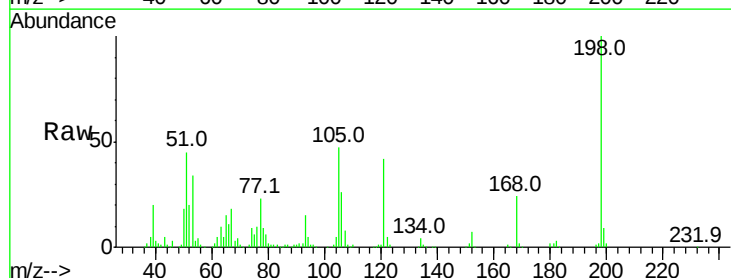
Manual Integrations  
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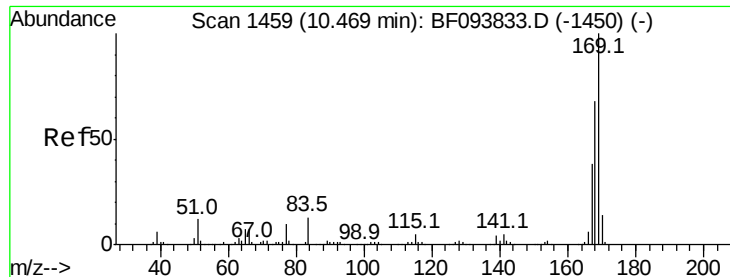
mohammad  
4/4/2017 5:33:57 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 43.64 ng  
RT: 10.29 min Scan# 1429  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   |      |       |       |
| 51      | 45.1  | 53.2 | 93.2# |       |
| 105     | 46.9  | 45.8 | 85.8  |       |





#65

n-Nitrosodiphenylamine

Concen: 45.82 ng

RT: 10.37 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

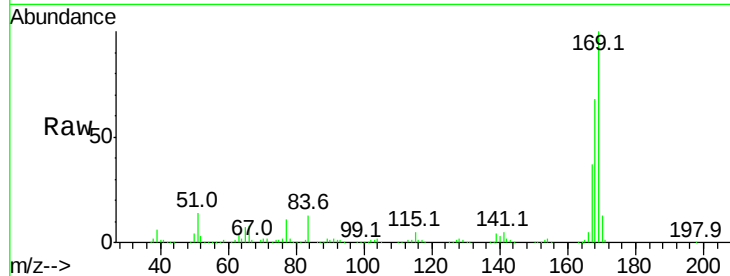
ClientSampleId :

PB97988BS

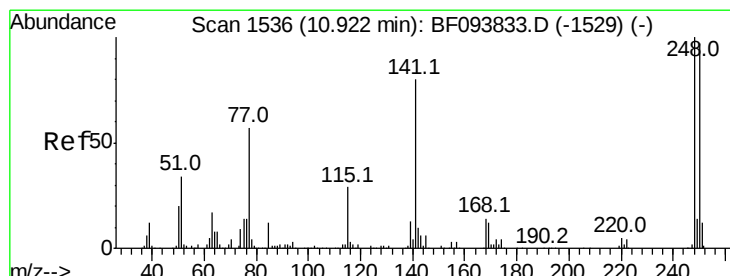
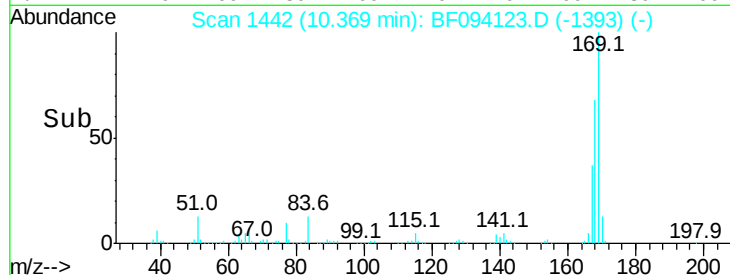
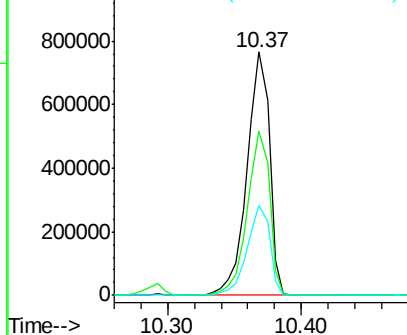
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 881887 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 67.7  | 53.2  | 79.8   |
| 167       | 37.2  | 29.5  | 44.3   |

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Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.49 ng

RT: 10.82 min Scan# 1518

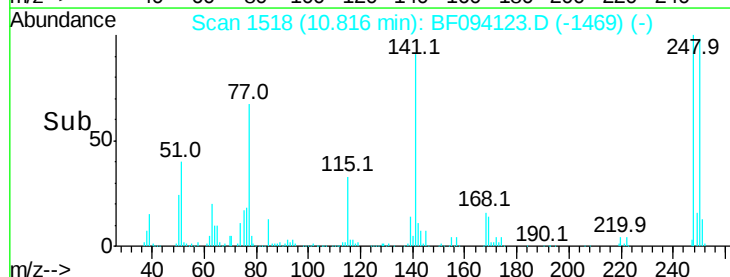
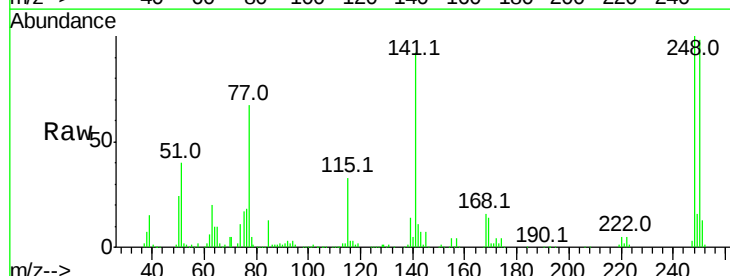
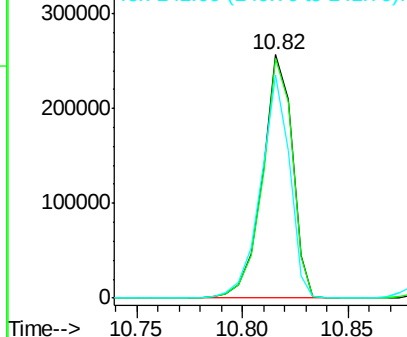
Delta R.T. -0.01 min

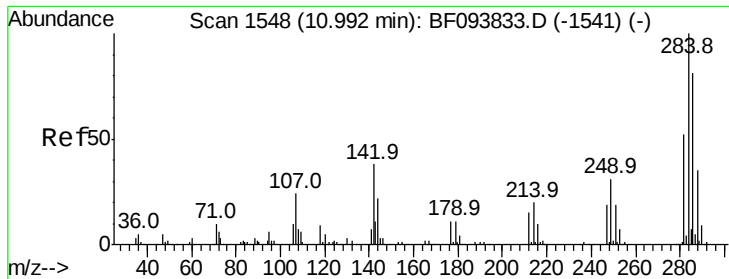
Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 254509 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 98.4  | 76.8  | 115.2  |
| 141       | 91.7  | 68.6  | 103.0  |

Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 47.19 ng

RT: 10.89 min Scan# 1530

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

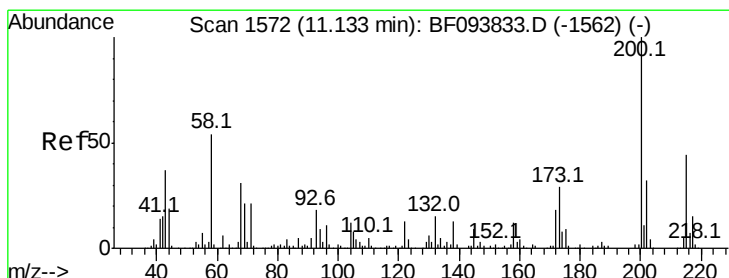
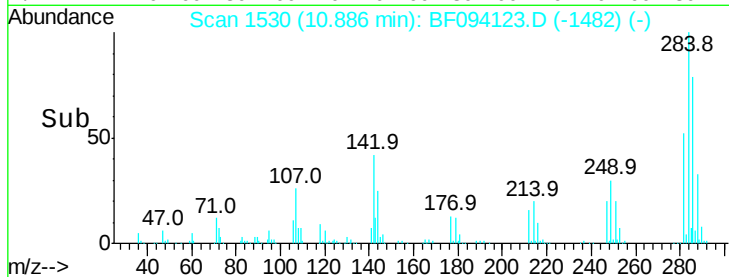
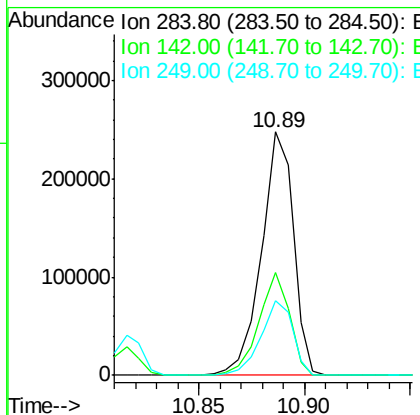
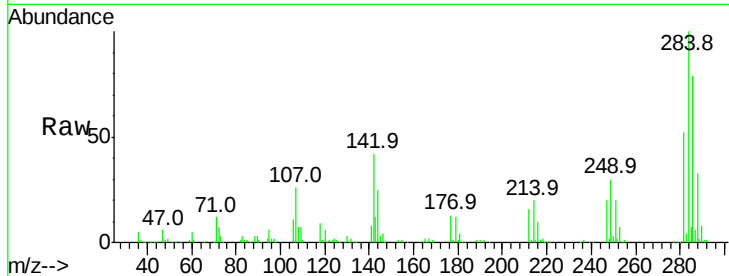
ClientSampleId :

PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 261470 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 42.0  | 22.8  | 34.2#  |
| 249       | 30.5  | 24.0  | 36.0   |

Manual Integrations  
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#68

Atrazine

Concen: 45.63 ng

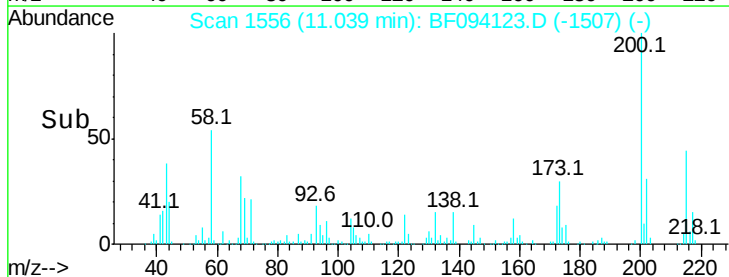
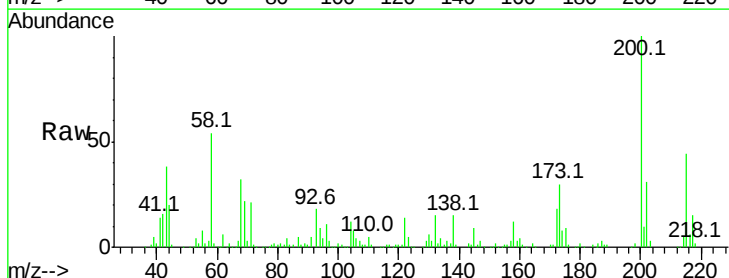
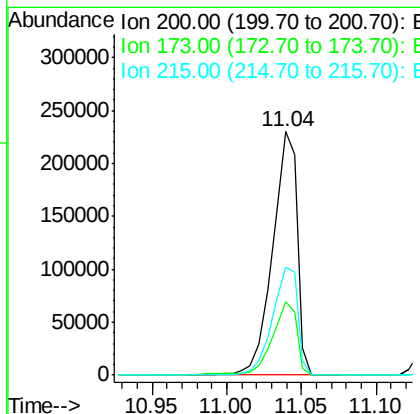
RT: 11.04 min Scan# 1556

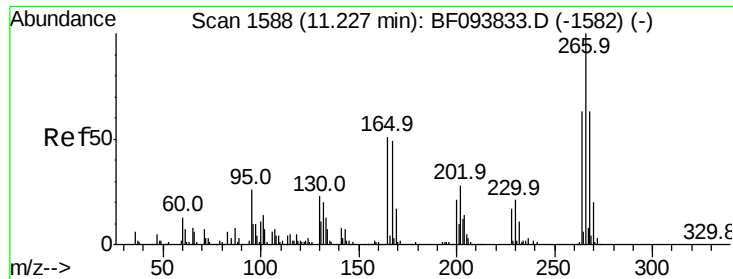
Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 263086 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 30.0  | 6.3   | 46.3   |
| 215       | 44.1  | 27.2  | 67.2   |





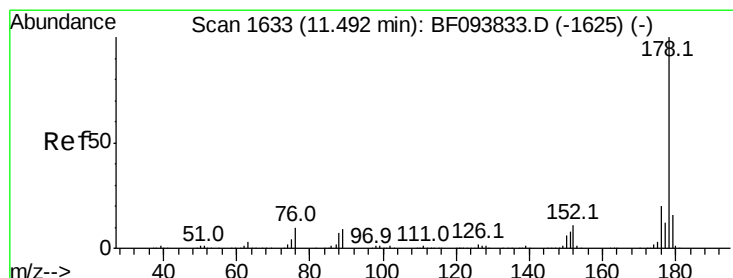
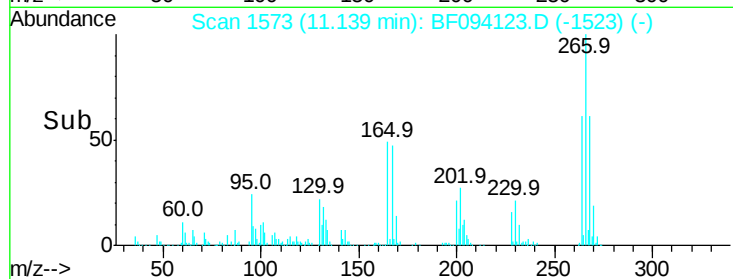
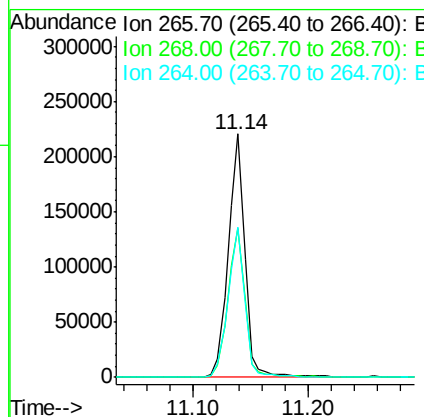
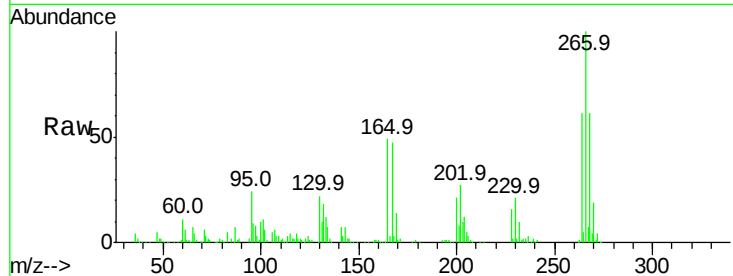
#69  
 Pentachlorophenol  
 Concen: 63.89 ng  
 RT: 11.14 min Scan# 1573  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 266  | Resp: | 220363 |
| Ion Ratio |      | Lower | Upper  |
| 266       | 100  |       |        |
| 268       | 61.0 | 51.1  | 76.7   |
| 264       | 61.5 | 51.7  | 77.5   |

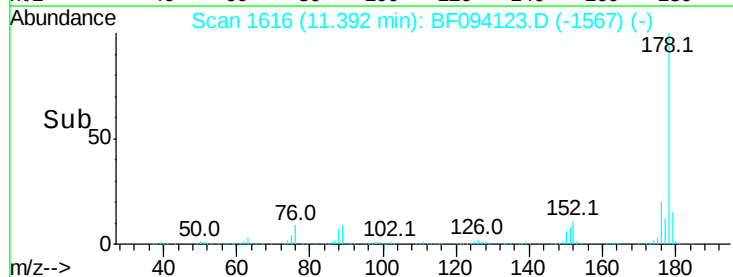
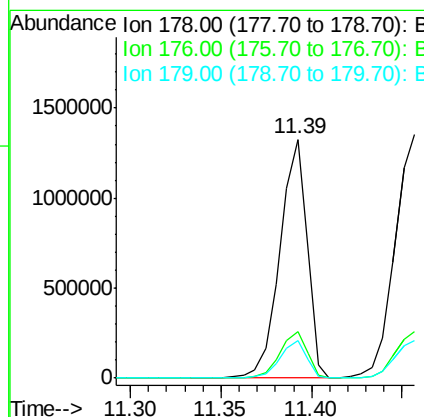
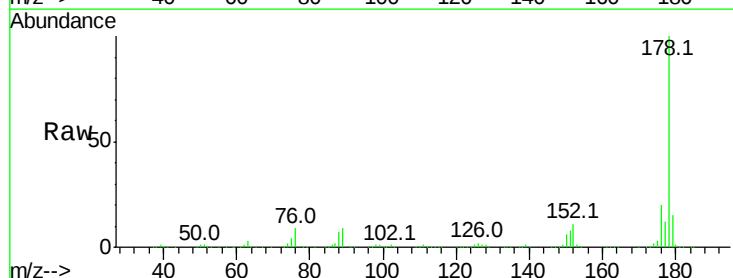
Manual Integrations  
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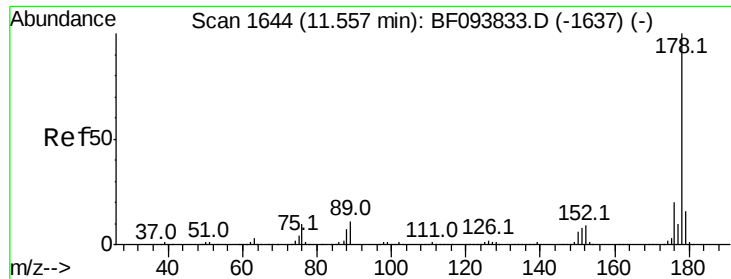
mohammad  
 4/4/2017 5:33:57 PM



#70  
 Phenanthrene  
 Concen: 44.73 ng  
 RT: 11.39 min Scan# 1616  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 178  | Resp: | 1384947 |
| Ion Ratio |      | Lower | Upper   |
| 178       | 100  |       |         |
| 176       | 19.7 | 16.2  | 24.4    |
| 179       | 15.5 | 12.6  | 19.0    |





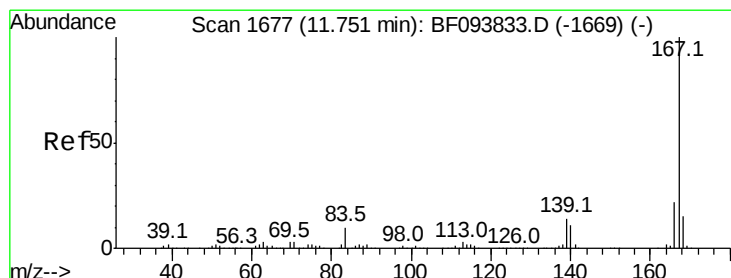
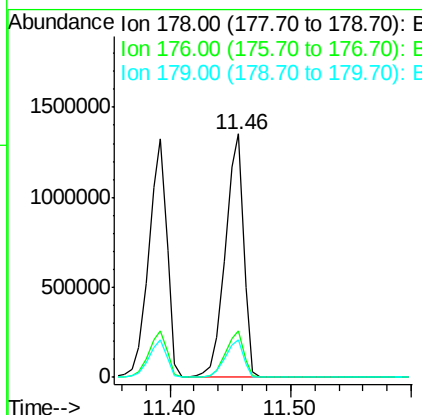
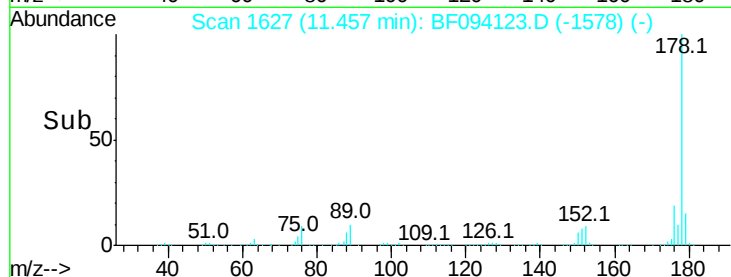
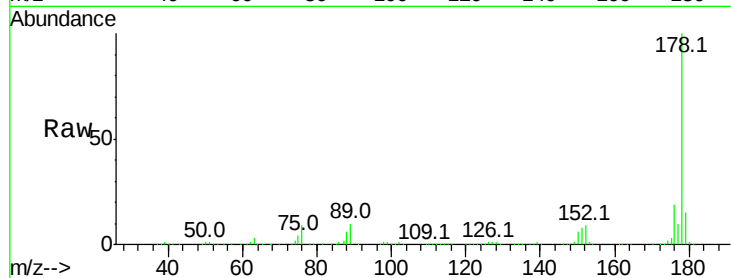
#71  
 Anthracene  
 Concen: 44.54 ng  
 RT: 11.46 min Scan# 1627  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

Tot Ion:178 Resp: 1419831  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 15.8 23.8  
 179 15.4 12.7 19.1

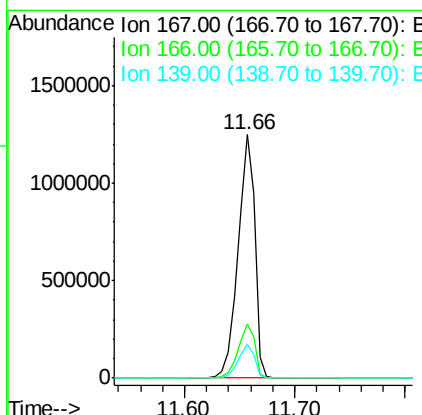
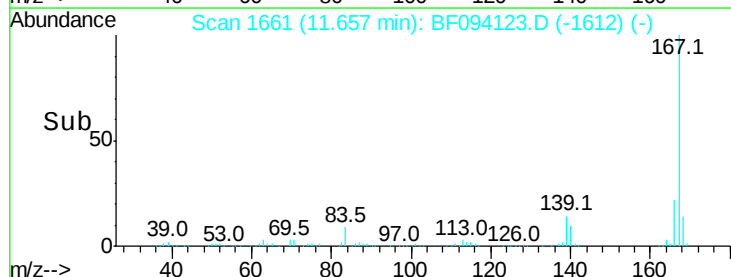
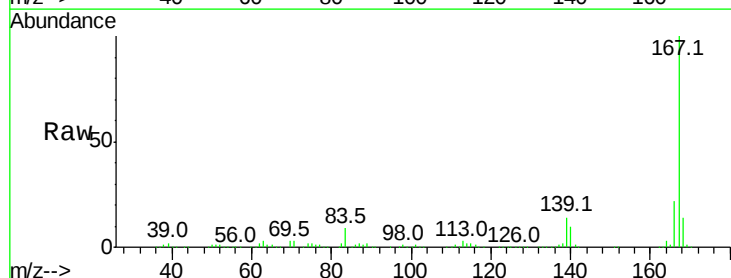
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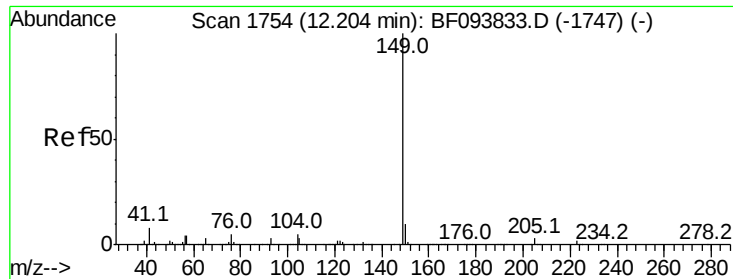
mohammad  
 4/4/2017 5:33:57 PM



#72  
 Carbazole  
 Concen: 40.84 ng  
 RT: 11.66 min Scan# 1661  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Tgt Ion:167 Resp: 1335039  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.1 27.1  
 139 13.7 11.7 17.5





#73

Di-n-butylphthalate

Concen: 47.46 ng

RT: 12.11 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

ClientSampleId :

PB97988BS

Tot Ion:149 Resp: 1613539

Ion Ratio Lower Upper

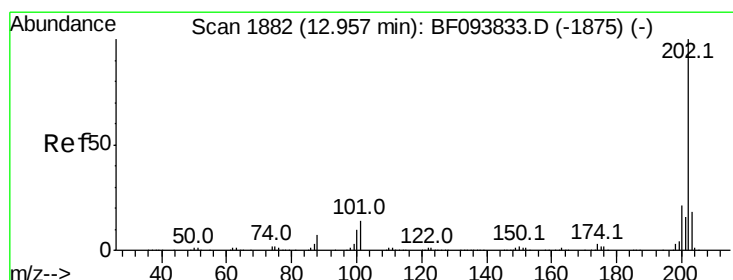
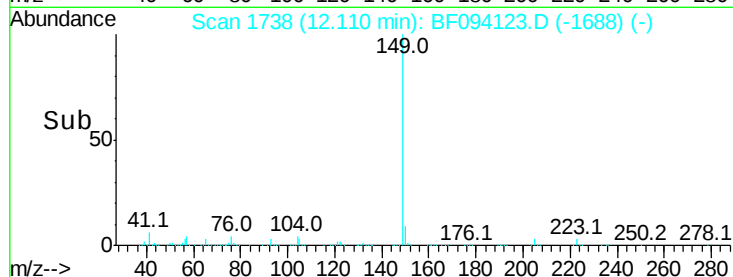
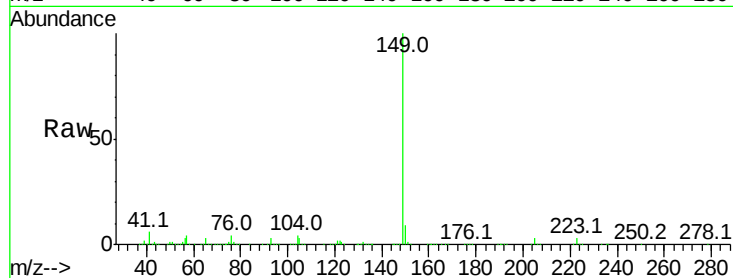
149 100

150 9.1 7.7 11.5

104 4.5 4.0 6.0

Manual Integrations  
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#74

Fluoranthene

Concen: 44.85 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

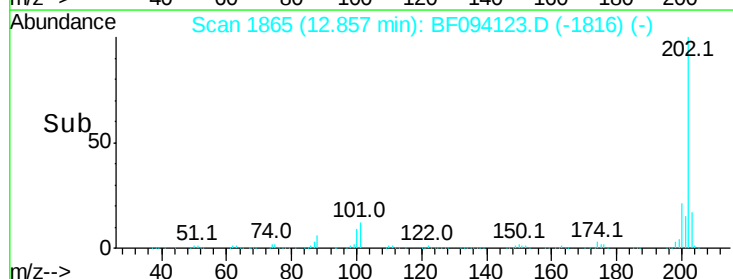
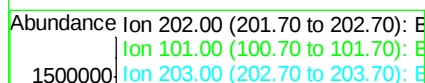
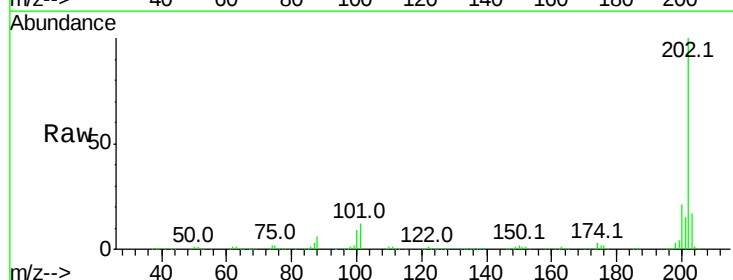
Tgt Ion:202 Resp: 1421989

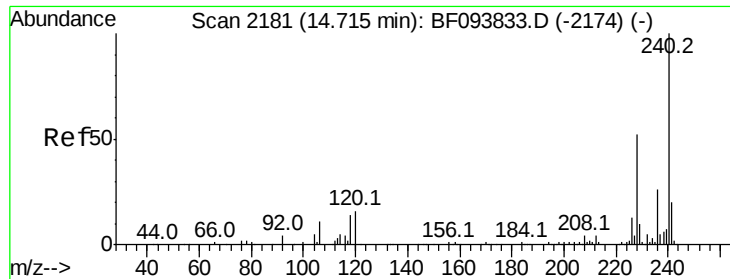
Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

203 17.4 0.0 38.1





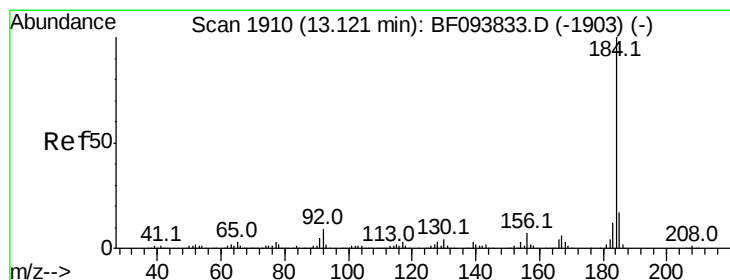
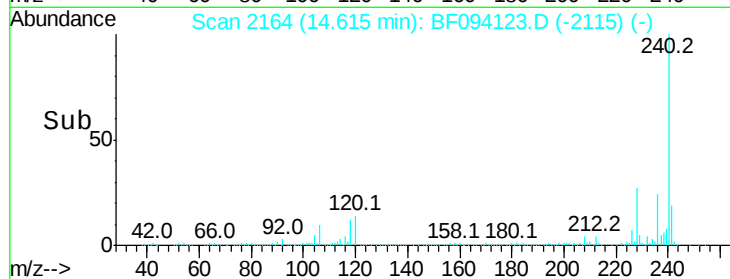
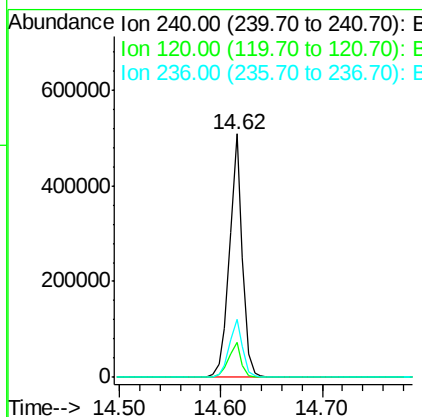
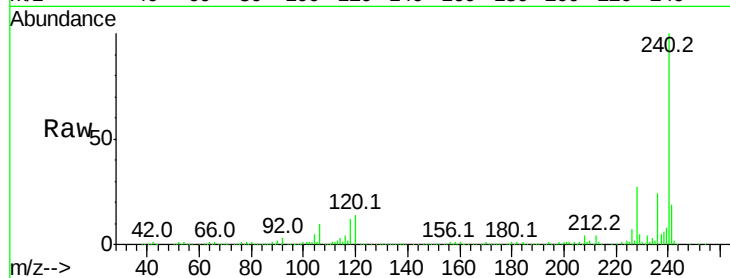
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.62 min Scan# 2164  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.2  | 5.8   | 8.8#  |
| 236     | 23.9  | 20.5  | 30.7  |

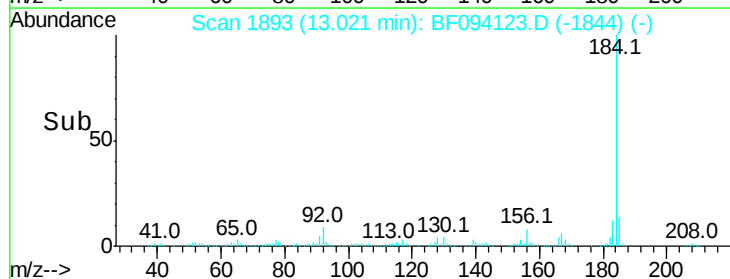
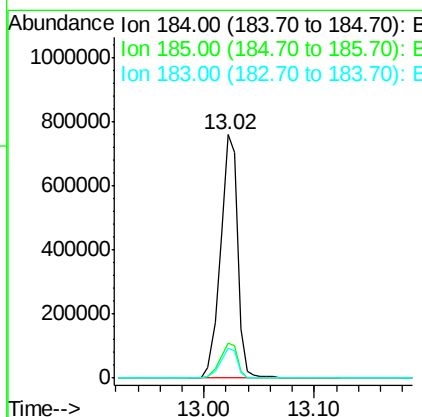
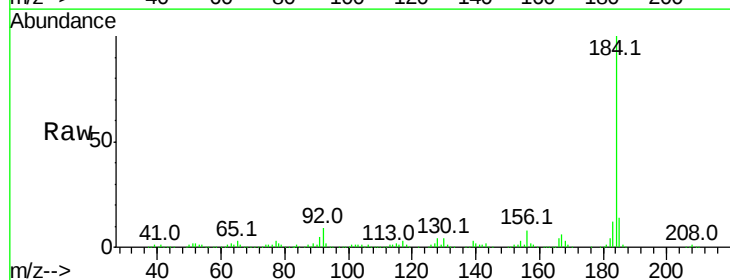
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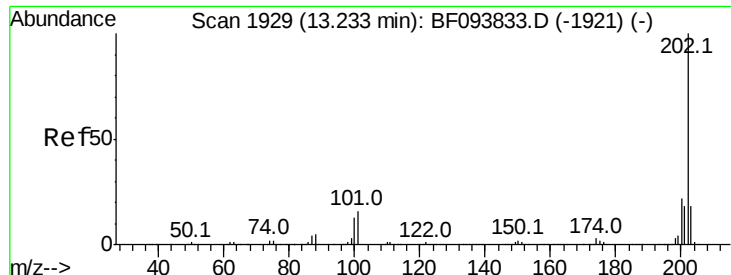
mohammad  
4/4/2017 5:33:57 PM



#76  
Benzidine  
Concen: 46.74 ng  
RT: 13.02 min Scan# 1893  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.5  | 15.5  | 23.3# |
| 183     | 12.3  | 9.8   | 14.6  |





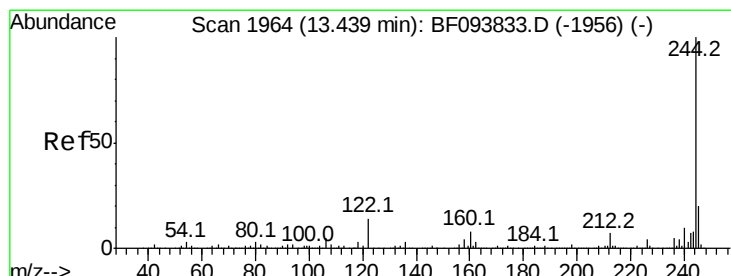
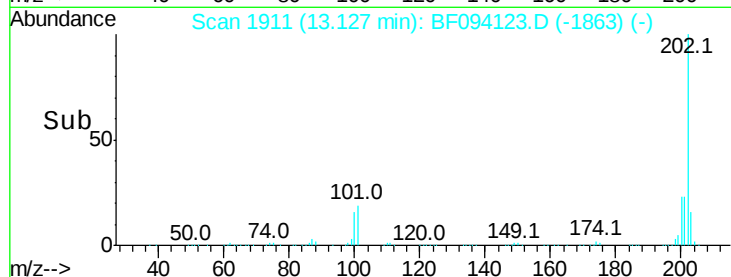
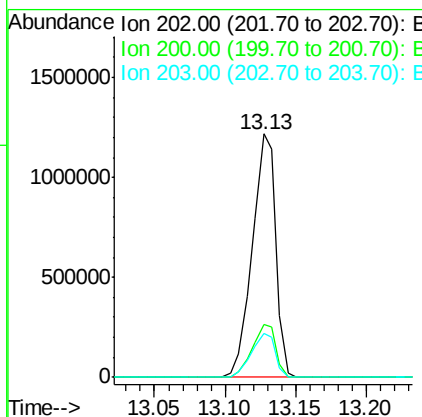
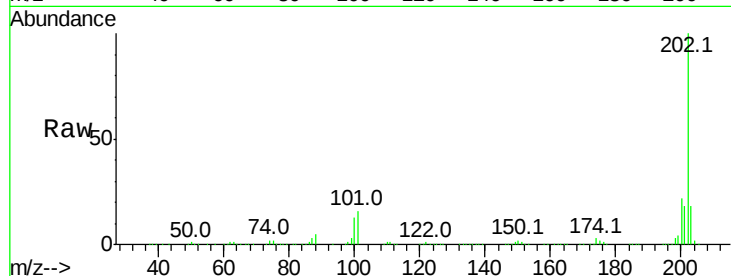
#77  
Pvrene  
Concen: 44.12 ng  
RT: 13.13 min Scan# 1911  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.6  | 17.6  | 26.4  |
| 203     | 17.9  | 14.4  | 21.6  |

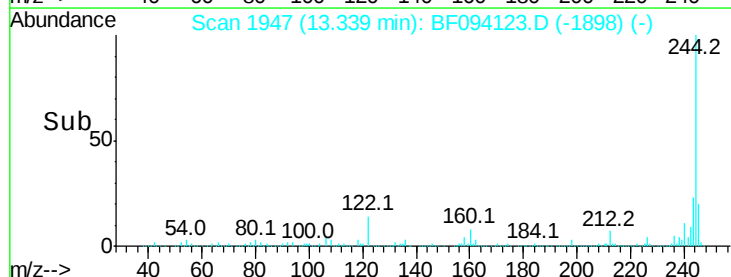
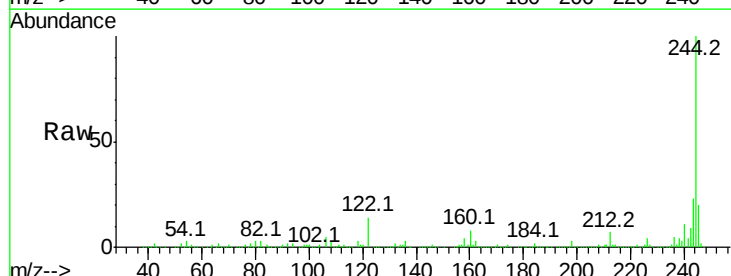
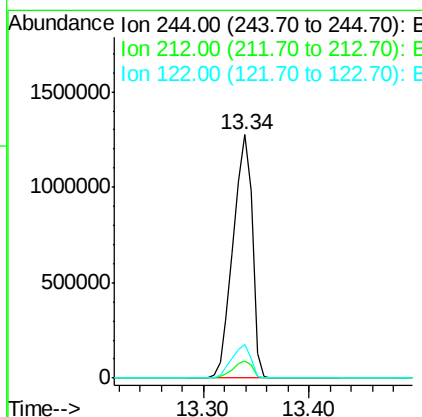
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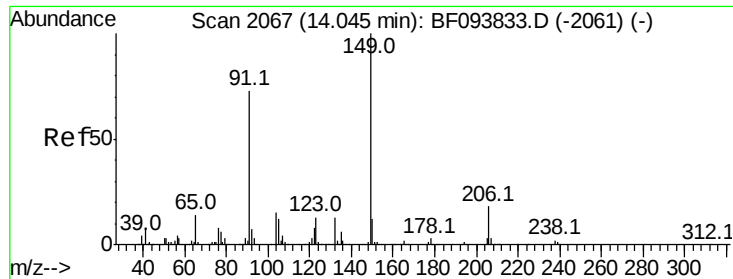
mohammad  
4/4/2017 5:33:57 PM



#78  
Terphenyl-d14  
Concen: 79.63 ng  
RT: 13.34 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 6.0   | 9.0   |
| 122     | 13.7  | 10.3  | 15.5  |





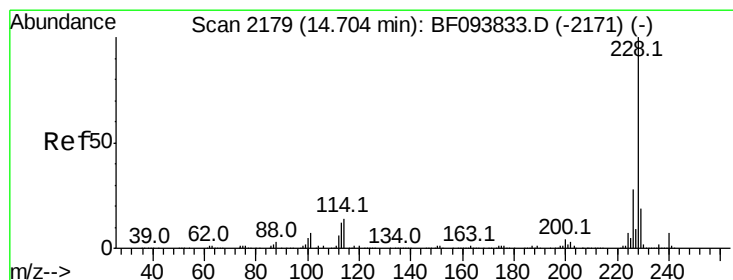
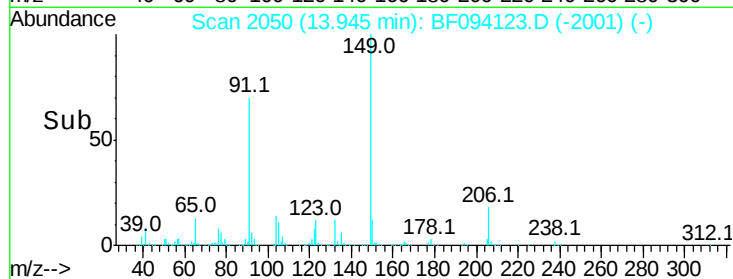
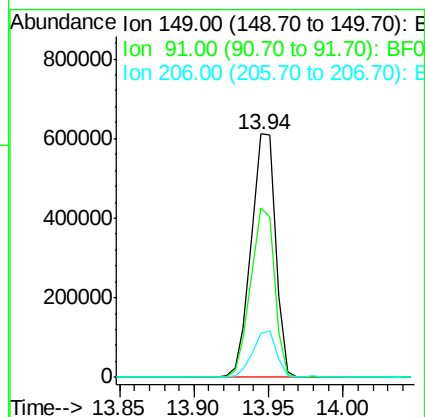
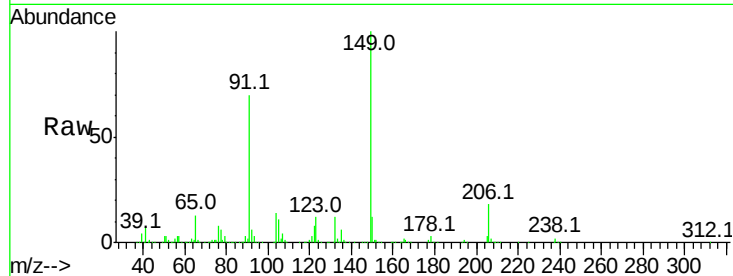
#79  
Butylbenzylphthalate  
Concen: 49.91 ng  
RT: 13.94 min Scan# 2050  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 69.6  | 45.0  | 67.4# |
| 206     | 18.2  | 17.0  | 25.6  |

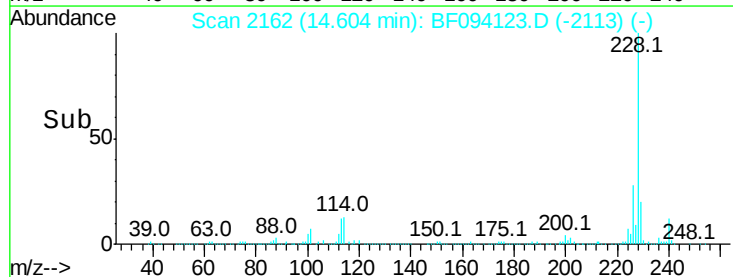
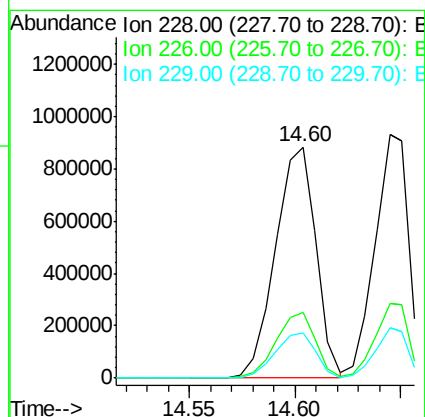
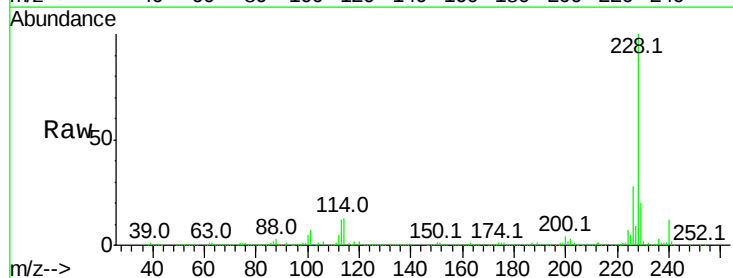
Manual Integrations  
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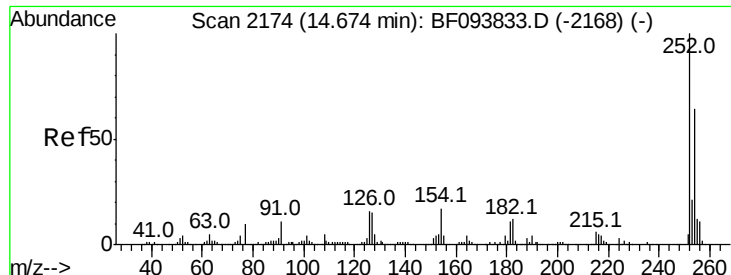
mohammad  
4/4/2017 5:33:57 PM



#80  
Benzo(a)anthracene  
Concen: 45.44 ng  
RT: 14.60 min Scan# 2162  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.6  | 33.8  |
| 229     | 19.8  | 16.3  | 24.5  |





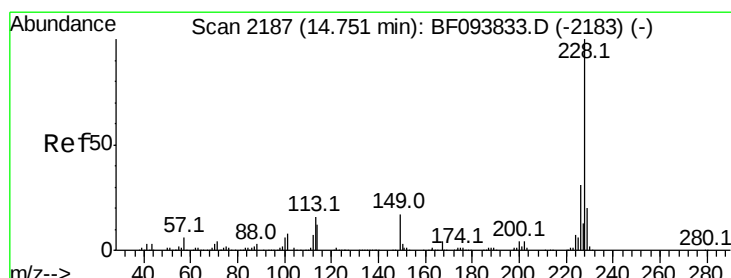
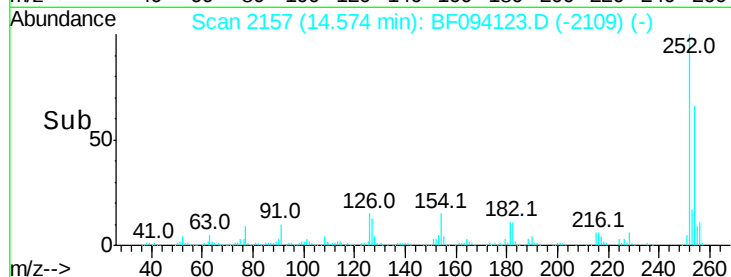
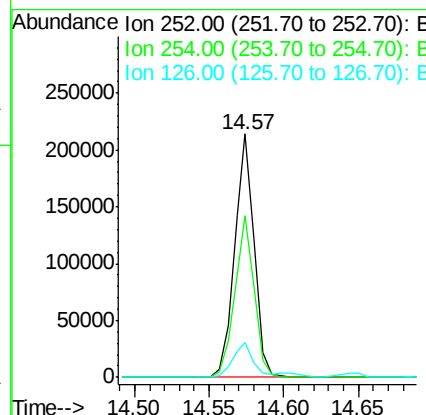
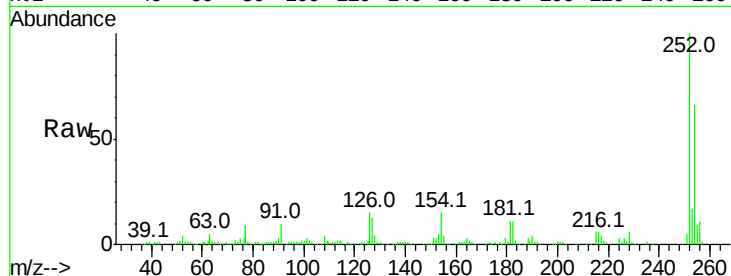
#81  
 3,3'-Dichlorobenzidine  
 Concen: 21.22 ng  
 RT: 14.57 min Scan# 2157  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 197490 |       |       |
| 254     | 66.2  | 51.5   | 77.3  |       |
| 126     | 14.5  | 15.8   | 23.8  |       |

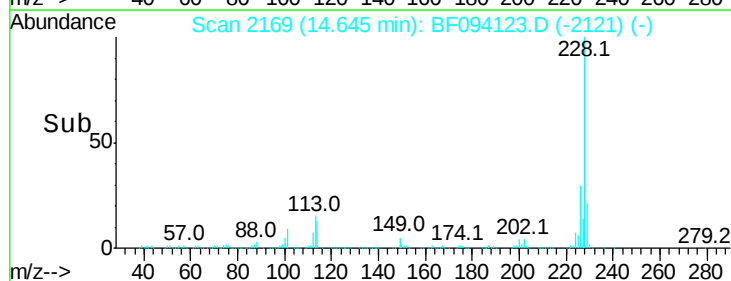
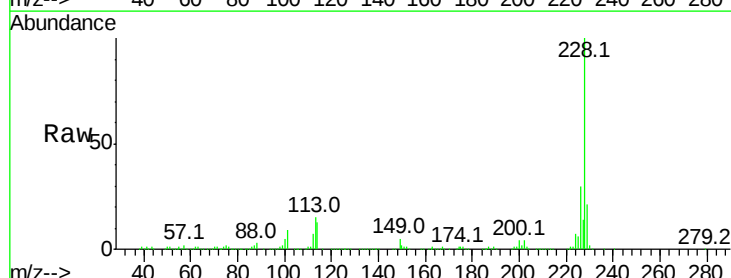
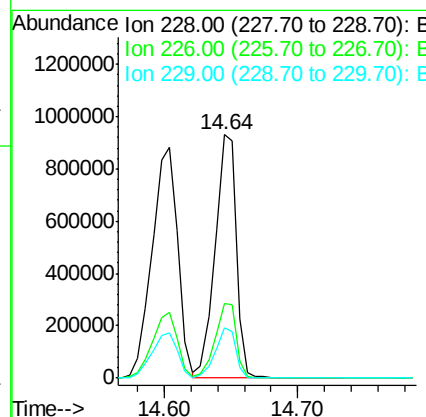
Manual Integrations  
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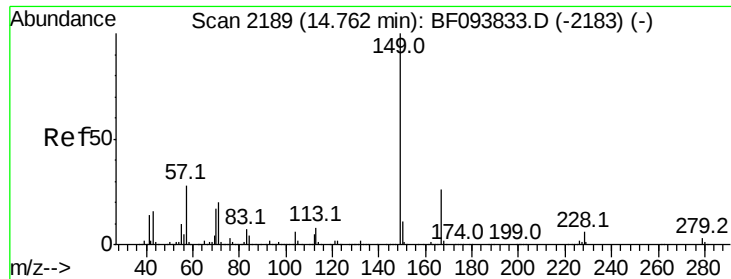
mohammad  
 4/4/2017 5:33:57 PM



#82  
 Chrysene  
 Concen: 43.16 ng  
 RT: 14.64 min Scan# 2169  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1042657 |       |       |
| 226     | 30.4  | 24.9    | 37.3  |       |
| 229     | 20.5  | 15.8    | 23.6  |       |





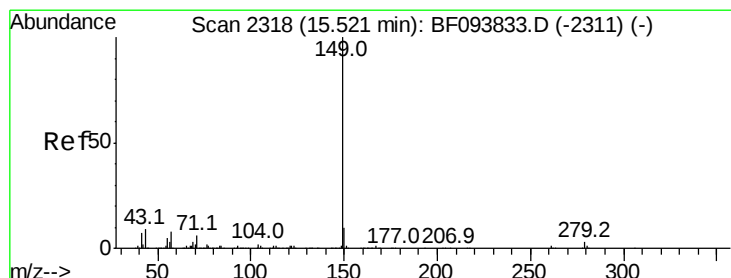
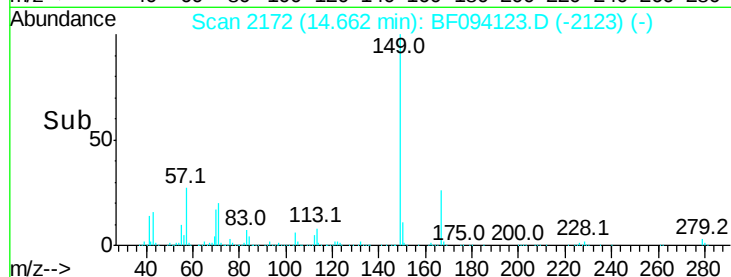
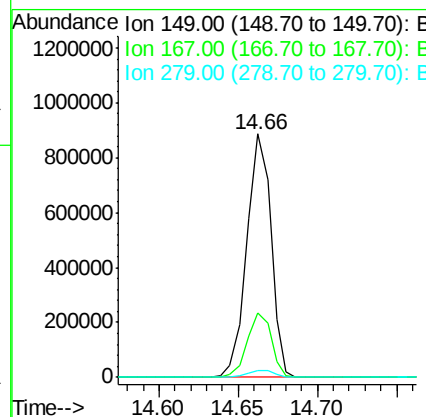
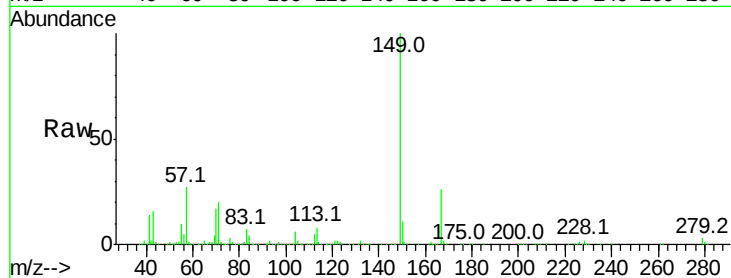
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 50.00 ng  
 RT: 14.66 min Scan# 2172  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 26.5  | 21.0 | 31.4  |       |
| 279     | 2.8   | 1.9  | 2.9   |       |

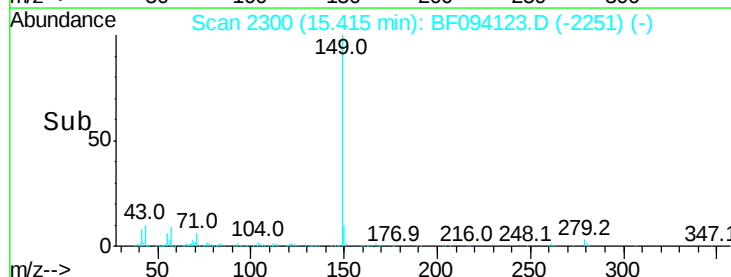
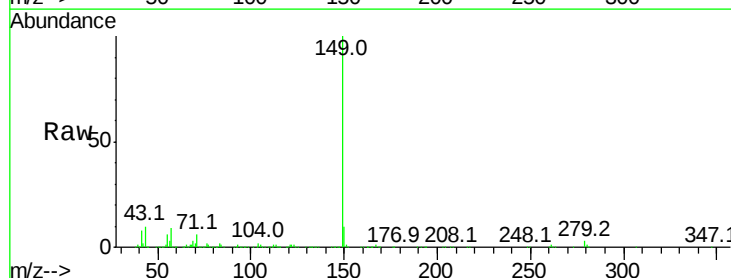
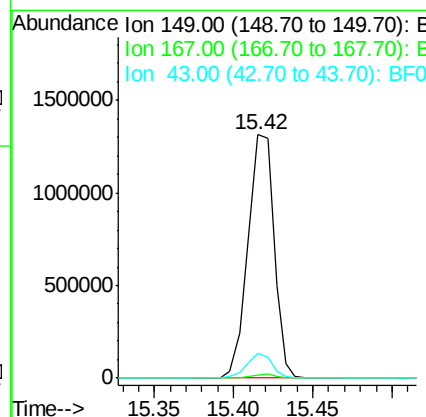
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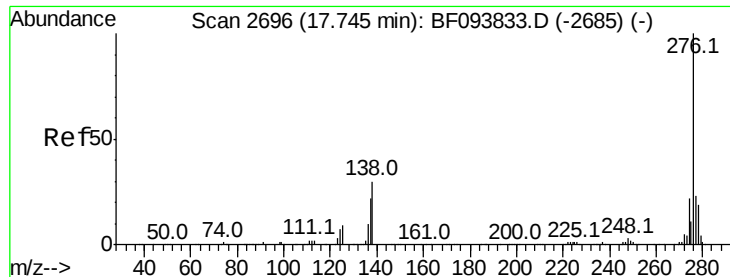
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#84  
 Di-n-octyl phthalate  
 Concen: 47.99 ng  
 RT: 15.42 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.6   | 1.2  | 1.8   |       |
| 43      | 9.7   | 8.5  | 12.7  |       |





#85

Indeno(1,2,3-cd)pyrene

Concen: 39.90 ng

RT: 17.59 min Scan# 2669

Delta R.T. -0.02 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

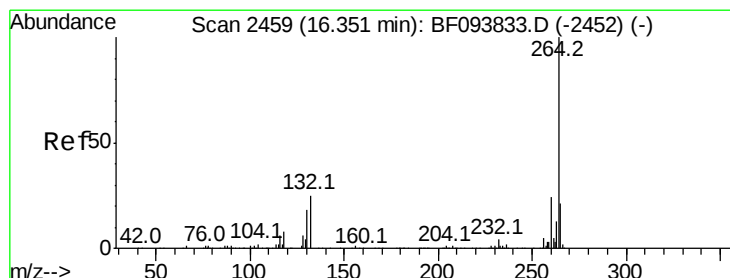
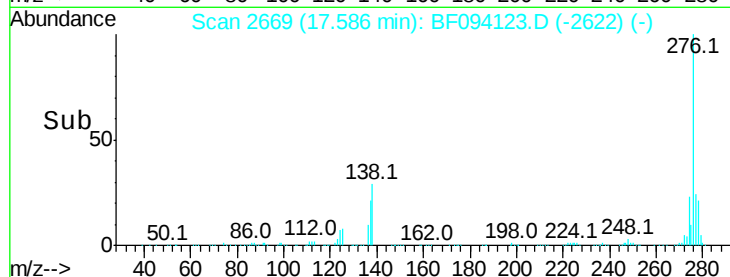
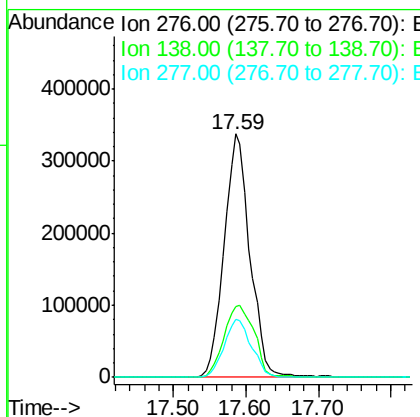
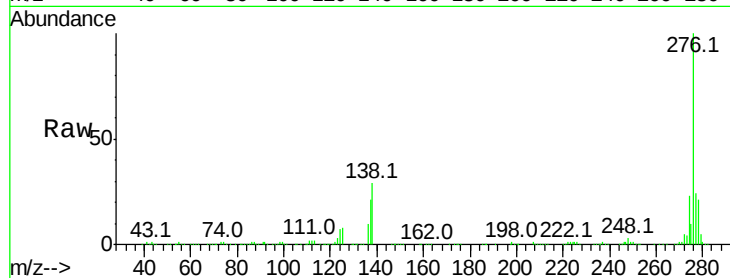
ClientSampleId :

PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 834900 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 34.7  | 27.8  | 41.6   |
| 277       | 25.4  | 20.2  | 30.4   |

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#86

Perylene-d12

Concen: 20.00 ng

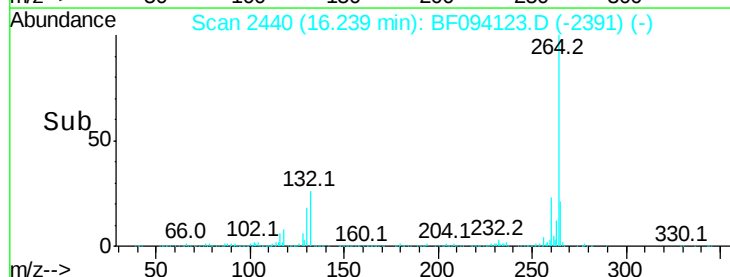
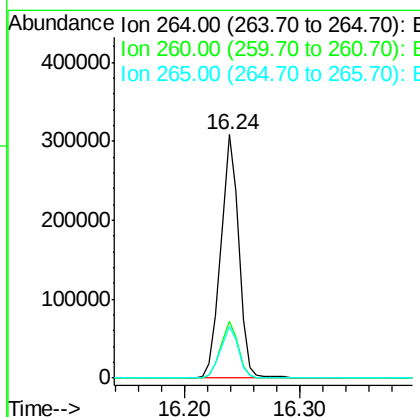
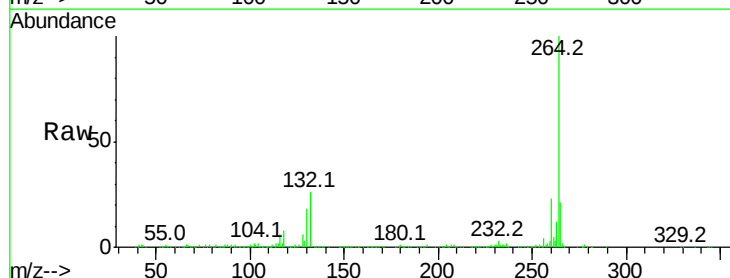
RT: 16.24 min Scan# 2440

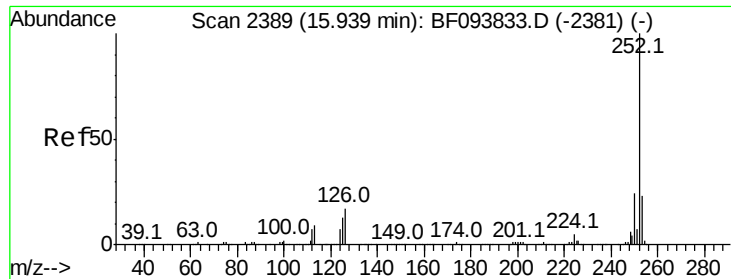
Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 334874 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.2  | 19.5  | 29.3   |
| 265       | 21.0  | 17.2  | 25.8   |





#87

Benzo(b)fluoranthene

Concen: 48.33 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

Instrument :

BNA\_F

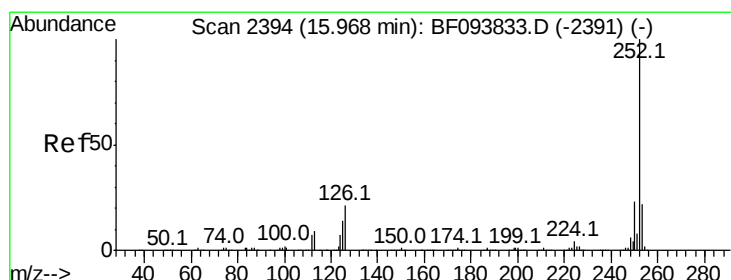
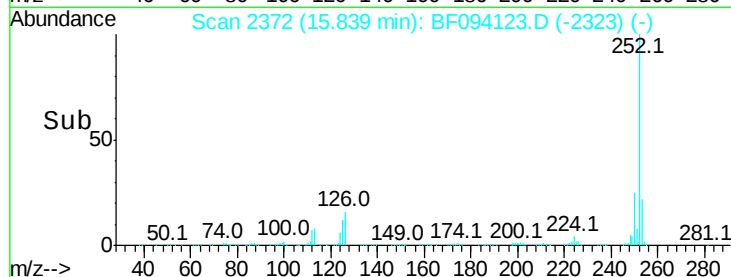
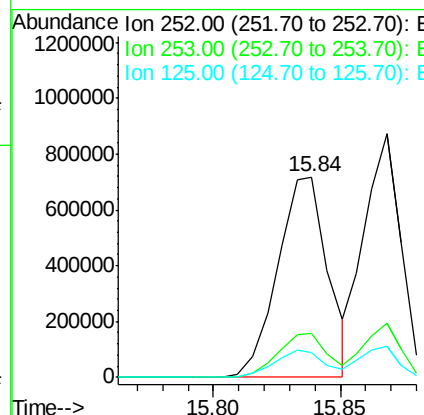
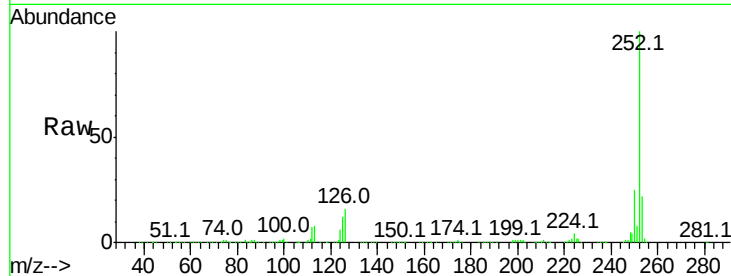
ClientSampleId :

PB97988BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 992061 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 18.1  | 27.1   |
| 125       | 12.3  | 9.8   | 14.8   |

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#88

Benzo(k)fluoranthene

Concen: 44.40 ng

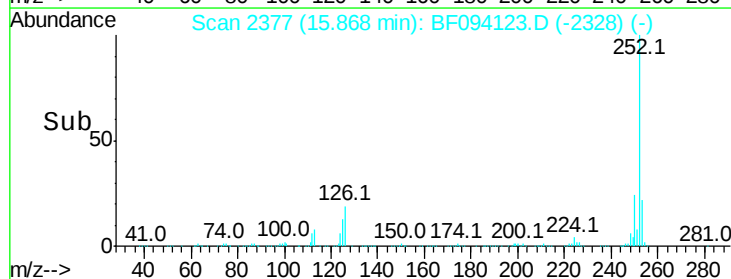
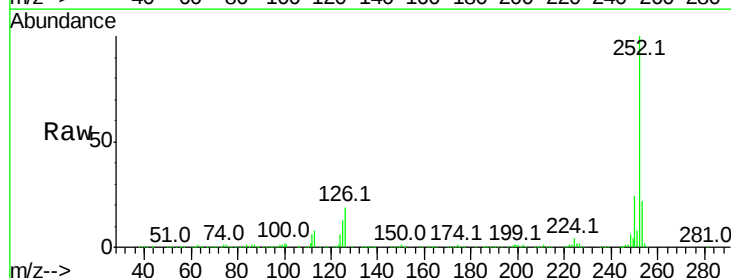
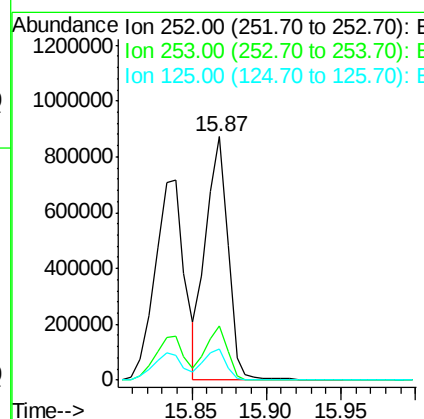
RT: 15.87 min Scan# 2377

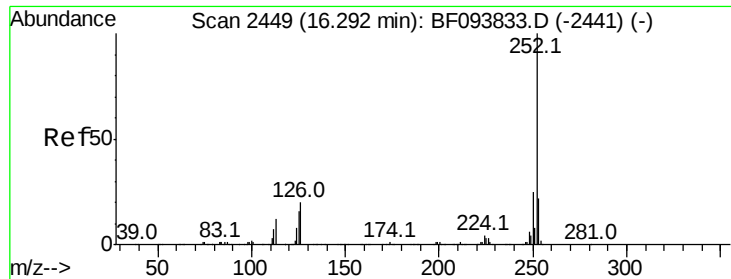
Delta R.T. -0.01 min

Lab File: BF094123.D

Acq: 3 Apr 2017 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 891794 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.4  | 18.4  | 27.6   |
| 125       | 12.8  | 13.1  | 19.7#  |





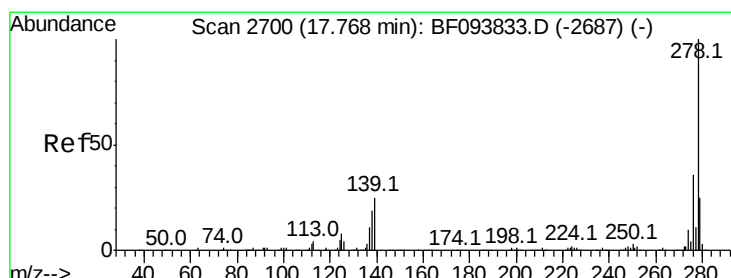
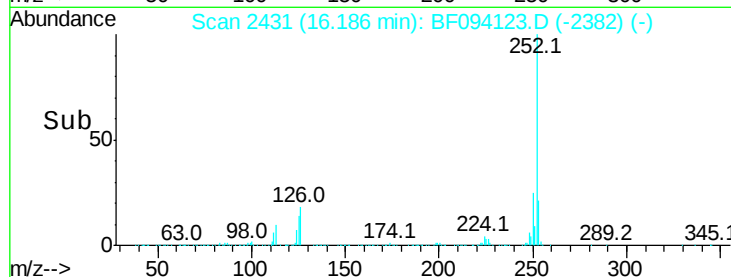
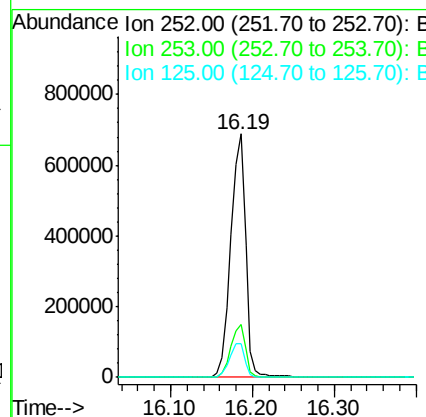
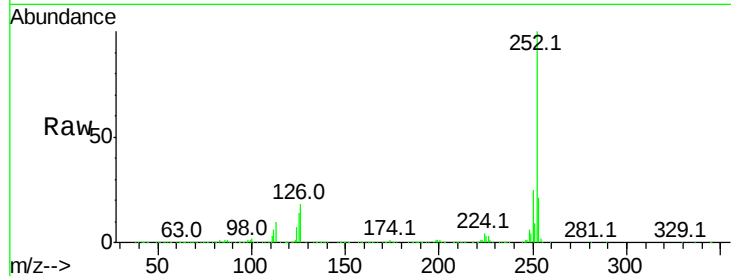
#89  
Benzo(a)pyrene  
Concen: 46.09 ng  
RT: 16.19 min Scan# 2431  
Delta R.T. -0.01 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.5  | 26.3  |
| 125     | 13.9  | 11.0  | 16.4  |

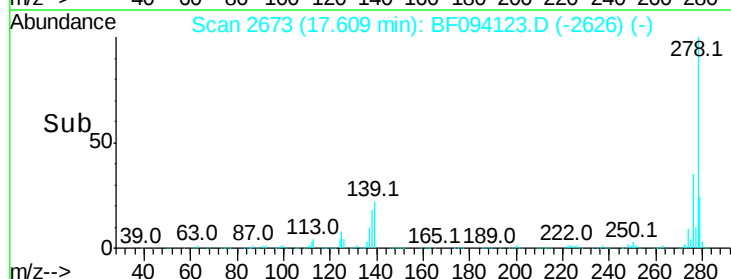
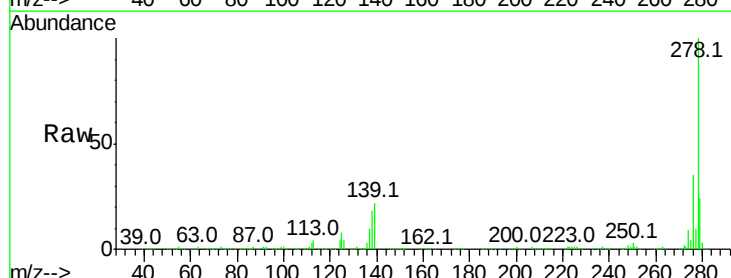
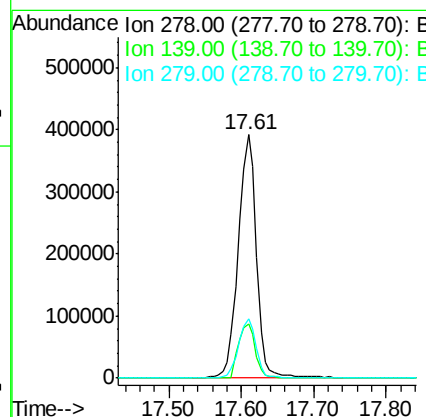
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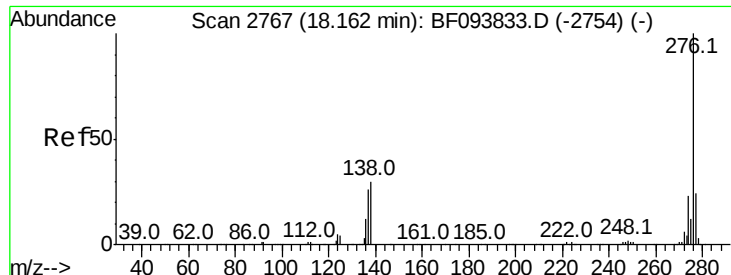
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#90  
Dibenzo(a,h)anthracene  
Concen: 43.03 ng  
RT: 17.61 min Scan# 2673  
Delta R.T. -0.02 min  
Lab File: BF094123.D  
Acq: 3 Apr 2017 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.2  | 16.6  | 24.8  |
| 279     | 24.2  | 19.3  | 28.9  |





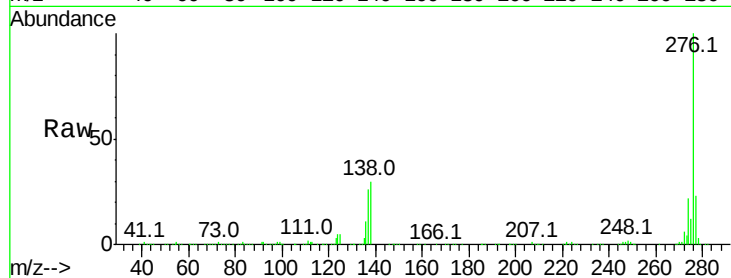
#91  
 Benzo(a,h,i)perylene  
 Concen: 42.96 ng  
 RT: 17.99 min Scan# 2737  
 Delta R.T. -0.02 min  
 Lab File: BF094123.D  
 Acq: 3 Apr 2017 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB97988BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.1  | 18.6  | 28.0  |
| 138     | 30.0  | 25.4  | 38.0  |

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

