

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\  
 Data File : BF084648.D  
 Acq On : 29 Jan 2016 21:19  
 Operator : SJ/IZ  
 Sample : PB88084BS  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

Manual Integrations  
 APPROVED

mohammad  
 2/1/2016 2:24:30 PM

Quant Time: Jan 30 00:15:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:54:53 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 172185   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 687774   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.77  | 164  | 329859   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 634360   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.88 | 240  | 514077   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.25 | 264  | 518561   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.33  | 112  | 1354744  | 118.77 | ng    | 0.02     |
| 7) Phenol-d6                | 6.37  | 99   | 1562485  | 114.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1075736  | 87.41  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 457701   | 132.39 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1773592  | 79.92  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 1802653  | 79.20  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 2.30 | 88   | 163672   | 30.77 | ng    | # 77   |
| 3) Pyridine                    | 2.98 | 79   | 426210   | 30.08 | ng    | # 77   |
| 4) n-Nitrosodimethylamine      | 2.93 | 42   | 254445   | 36.72 | ng    | 81     |
| 6) Aniline                     | 6.38 | 93   | 330566   | 18.84 | ng    | # 1    |
| 8) 2-Chlorophenol              | 6.51 | 128  | 499074   | 39.44 | ng    | 91     |
| 9) Benzaldehyde                | 6.27 | 77   | 216276   | 27.32 | ng    | 90     |
| 10) Phenol                     | 6.38 | 94   | 509380   | 33.43 | ng    | 81     |
| 11) bis(2-Chloroethyl)ether    | 6.46 | 93   | 430898   | 36.36 | ng    | # 80   |
| 12) 1,3-Dichlorobenzene        | 6.66 | 146  | 475721m  | 35.09 | ng    |        |
| 13) 1,4-Dichlorobenzene        | 6.74 | 146  | 491191   | 36.92 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 6.90 | 146  | 478752   | 39.08 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.88 | 79   | 391048   | 42.02 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45   | 730580   | 36.02 | ng    | 86     |
| 17) 2-Methylphenol             | 7.00 | 107  | 405507   | 41.34 | ng    | 94     |
| 18) Hexachloroethane           | 7.24 | 117  | 196456   | 37.75 | ng    | # 82   |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70   | 343475   | 41.13 | ng    | # 77   |
| 20) 3+4-Methylphenols          | 7.15 | 107  | 488370   | 41.03 | ng    | # 78   |
| 22) Acetophenone               | 7.14 | 105  | 673387   | 37.49 | ng    | 98     |
| 24) Nitrobenzene               | 7.31 | 77   | 484763   | 37.06 | ng    | 96     |
| 25) Isophorone                 | 7.55 | 82   | 932979   | 40.46 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.63 | 139  | 266758   | 42.88 | ng    | # 87   |
| 27) 2,4-Dimethylphenol         | 7.68 | 122  | 446813   | 40.99 | ng    | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93   | 553556   | 40.00 | ng    | 100    |
| 29) 2,4-Dichlorophenol         | 7.88 | 162  | 402592   | 42.23 | ng    | 94     |
| 30) 1,2,4-Trichlorobenzene     | 7.95 | 180  | 412051   | 37.79 | ng    | 96     |
| 31) Naphthalene                | 8.03 | 128  | 1293895  | 37.27 | ng    | 99     |
| 32) Benzoic acid               | 7.81 | 122  | 299700   | 35.82 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.09 | 127  | 134135   | 9.50  | ng    | 96     |
| 34) Hexachlorobutadiene        | 8.16 | 225  | 253096   | 39.28 | ng    | 99     |
| 35) Caprolactam                | 8.46 | 113  | 138181m  | 50.51 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.58 | 107  | 470115   | 44.79 | ng    | 93     |
| 37) 2-Methylnaphthalene        | 8.73 | 142  | 984410   | 46.19 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216  | 371640   | 34.74 | ng    | 98     |
| 40) Hexachlorocyclopentadiene  | 8.88 | 237  | 423166   | 87.00 | ng    | 98     |

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Instrument :  
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Manual Integrations  
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Quant Time: Jan 30 00:15:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:54:53 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.01  | 196  | 277575   | 41.77  | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 275566   | 40.16  | nq    | # 80     |
| 45) 1,1'-Biphenyl              | 9.20  | 154  | 1126631  | 37.27  | nq    | 95       |
| 46) 2-Chloronaphthalene        | 9.21  | 162  | 836879   | 37.94  | nq    | 96       |
| 47) 2-Nitroaniline             | 9.31  | 65   | 267329   | 40.36  | nq    | 98       |
| 48) Acenaphthylene             | 9.63  | 152  | 1363772  | 40.81  | nq    | 98       |
| 49) Dimethylphthalate          | 9.50  | 163  | 1053993  | 42.57  | nq    | # 91     |
| 50) 2,6-Dinitrotoluene         | 9.56  | 165  | 242988   | 44.61  | nq    | 98       |
| 51) Acenaphthene               | 9.80  | 154  | 896893   | 40.08  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.72  | 138  | 87158    | 15.31  | nq    | # 88     |
| 53) 2,4-Dinitrophenol          | 9.84  | 184  | 270560   | 100.66 | nq    | 91       |
| 54) Dibenzofuran               | 9.97  | 168  | 1254210  | 46.96  | nq    | 97       |
| 55) 4-Nitrophenol              | 9.90  | 139  | 370362   | 88.58  | nq    | # 83     |
| 56) 2,4-Dinitrotoluene         | 9.96  | 165  | 322144   | 45.52  | nq    | # 93     |
| 57) Fluorene                   | 10.32 | 166  | 948476   | 41.90  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.09 | 232  | 247796   | 47.77  | nq    | 89       |
| 59) Diethylphthalate           | 10.20 | 149  | 1056614  | 43.60  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204  | 394515   | 38.82  | nq    | 92       |
| 61) 4-Nitroaniline             | 10.34 | 138  | 228671   | 42.44  | nq    | 93       |
| 62) Azobenzene                 | 10.46 | 77   | 1055639  | 45.51  | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198  | 177194   | 42.77  | nq    | 70       |
| 65) n-Nitrosodiphenylamine     | 10.43 | 169  | 877051   | 42.64  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 304753   | 42.66  | nq    | 96       |
| 67) Hexachlorobenzene          | 10.85 | 284  | 293427   | 37.76  | nq    | # 83     |
| 68) Atrazine                   | 10.96 | 200  | 255905   | 41.52  | nq    | 98       |
| 69) Pentachlorophenol          | 11.06 | 266  | 318283   | 84.77  | nq    | 100      |
| 70) Phenanthrene               | 11.26 | 178  | 1345974  | 38.37  | nq    | 97       |
| 71) Anthracene                 | 11.32 | 178  | 1544625  | 43.31  | nq    | 98       |
| 72) Carbazole                  | 11.48 | 167  | 1422273  | 46.27  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.81 | 149  | 1456685  | 38.97  | nq    | # 97     |
| 74) Fluoranthene               | 12.45 | 202  | 1611709  | 46.47  | nq    | 95       |
| 76) Benzidine                  | 12.58 | 184  | 626940   | 32.07  | nq    | 98       |
| 77) Pyrene                     | 12.68 | 202  | 1653404  | 42.64  | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.31 | 149  | 751227   | 45.35  | nq    | # 94     |
| 80) Benzo(a)anthracene         | 13.86 | 228  | 1354013  | 42.25  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.84 | 252  | 195015   | 17.30  | nq    | 100      |
| 82) Chrysene                   | 13.91 | 228  | 1384891  | 43.84  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149  | 906889   | 42.21  | nq    | 98       |
| 84) Di-n-octyl phthalate       | 14.48 | 149  | 1624294  | 47.84  | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.57 | 276  | 1134553  | 40.63  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.88 | 252  | 1322203m | 39.38  | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.90 | 252  | 1175430m | 42.38  | nq    |          |
| 89) Benzo(a)pyrene             | 15.21 | 252  | 1247048  | 42.93  | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.59 | 278  | 956010   | 36.52  | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 16.97 | 276  | 907317   | 34.33  | nq    | 97       |

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

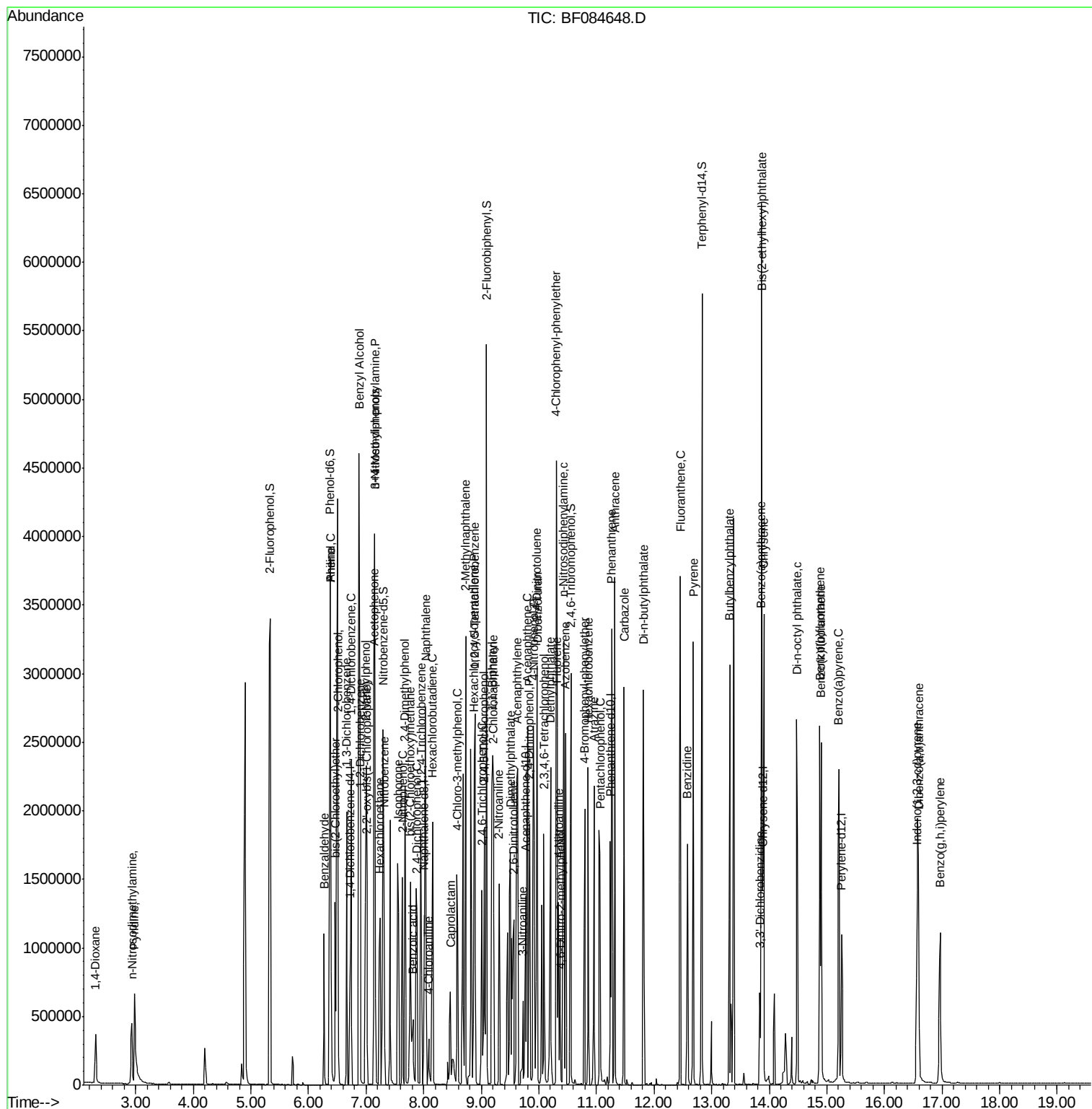
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\  
Data File : BF084648.D  
Acq On    : 29 Jan 2016   21:19  
Operator  : SJ/IZ  
Sample    : PB88084BS  
Misc      :  
ALS Vial  : 54      Sample Multiplier: 1
```

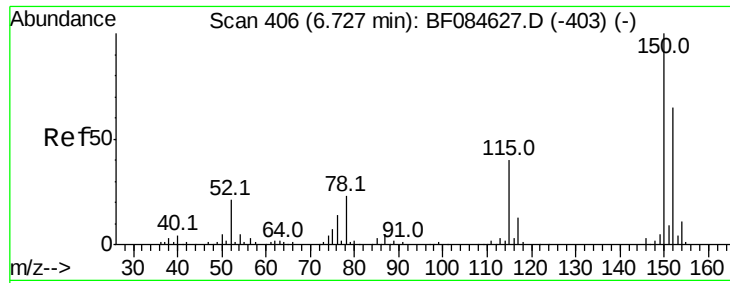
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB88084BS

## Manual Integrations APPROVED

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Quant Time: Jan 30 00:15:17 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:152 Resp: 172185

Ion Ratio Lower Upper

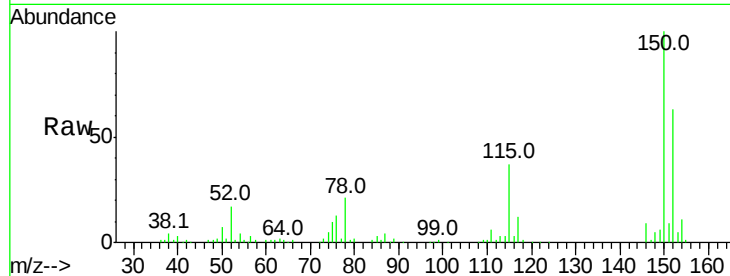
152 100

150 157.8 123.0 184.4

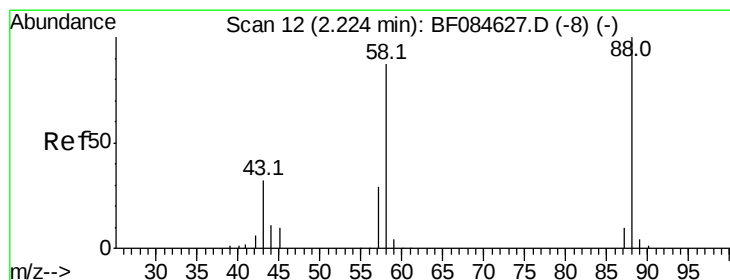
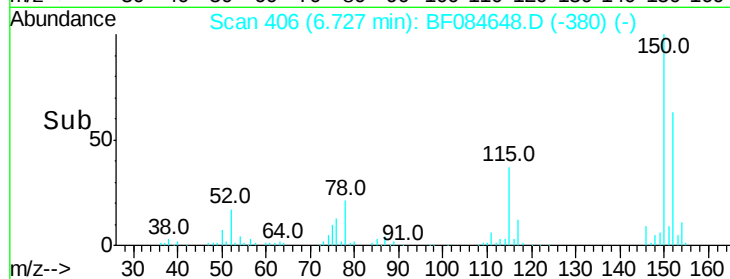
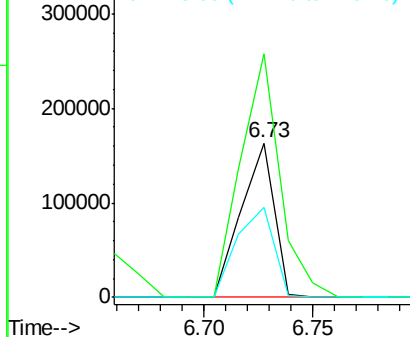
115 58.6 51.4 77.2

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: 30.77 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.08 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

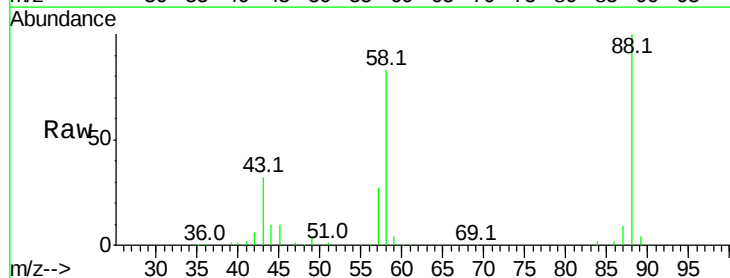
Tgt Ion: 88 Resp: 163672

Ion Ratio Lower Upper

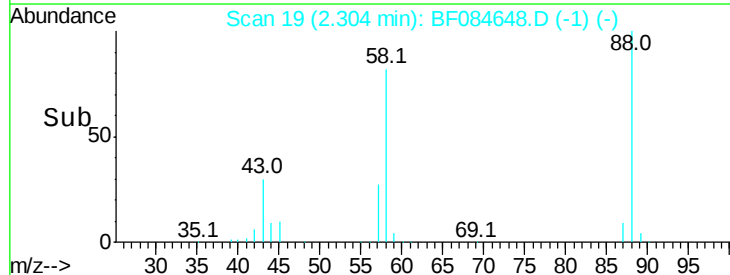
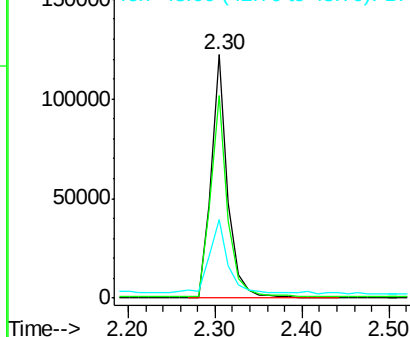
88 100

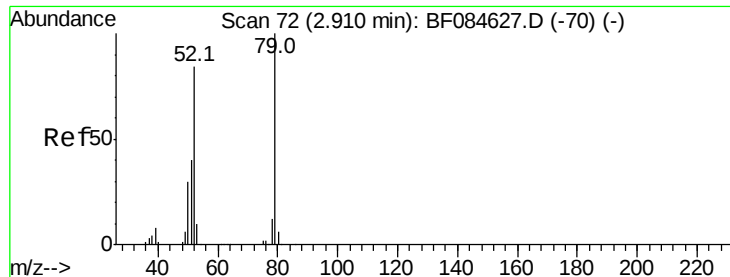
58 84.4 51.2 76.8#

43 32.2 19.5 29.3#



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: 30.08 ng

RT: 2.98 min Scan# 78

Delta R.T. 0.07 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

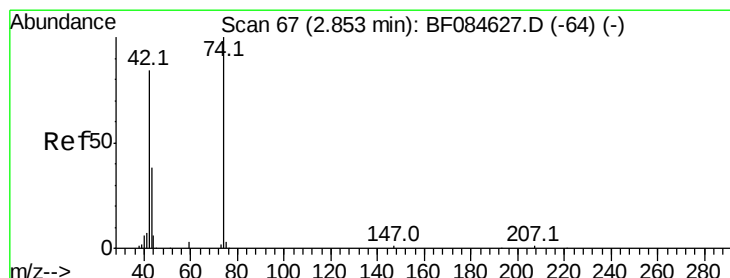
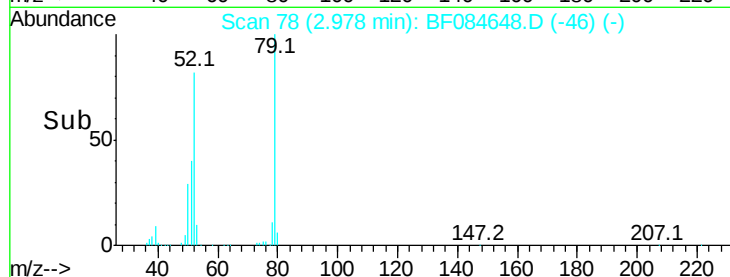
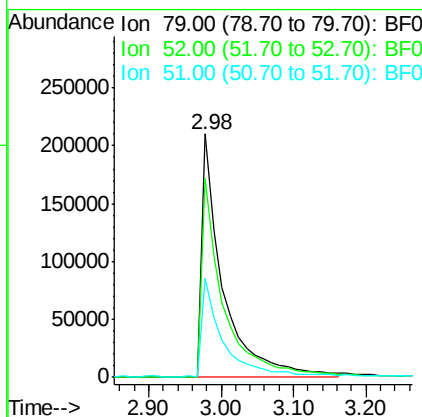
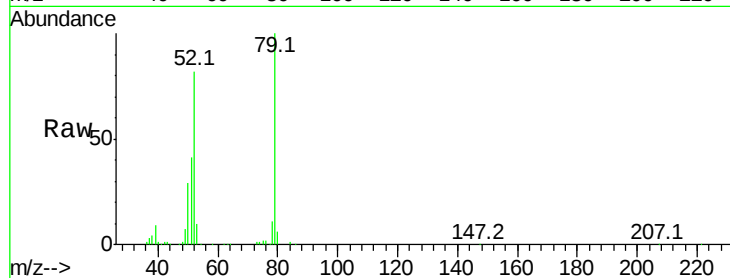
ClientSampleId :

PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 81.6  | 49.0  | 73.4# |
| 51      | 40.6  | 25.2  | 37.8# |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 36.72 ng

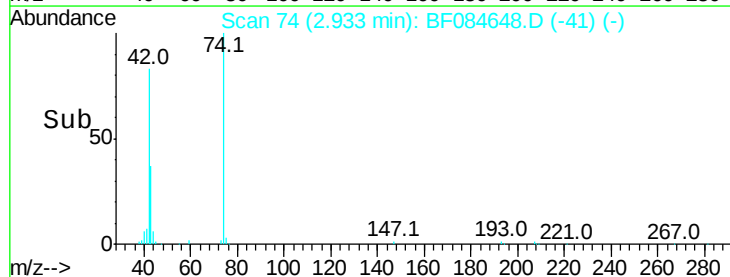
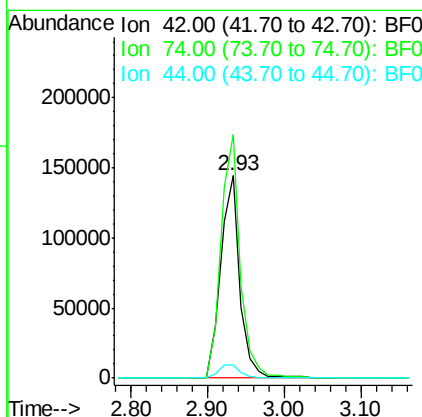
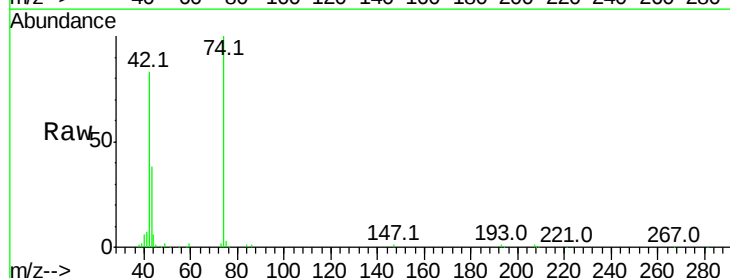
RT: 2.93 min Scan# 74

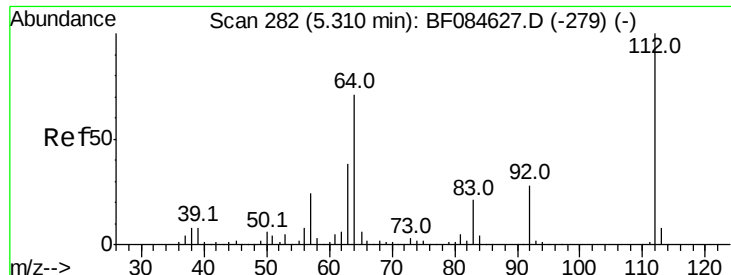
Delta R.T. 0.08 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 120.3 | 115.7 | 173.5 |
| 44      | 6.7   | 5.1   | 7.7   |





#5

2-Fluorophenol

Concen: 118.77 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:112 Resp: 1354744

Ion Ratio Lower Upper

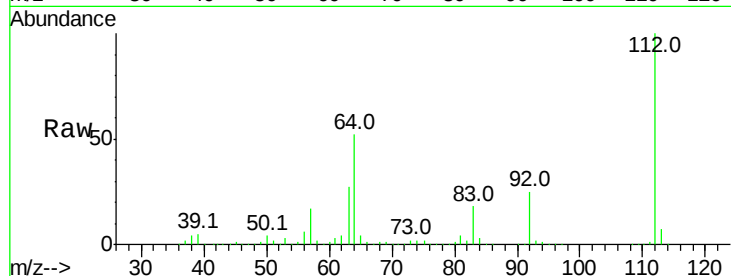
112 100

64 51.9 36.6 55.0

63 27.2 19.4 29.0

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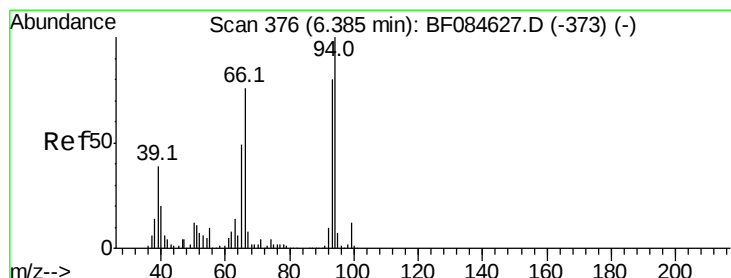
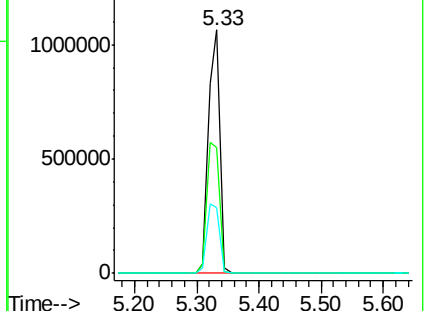
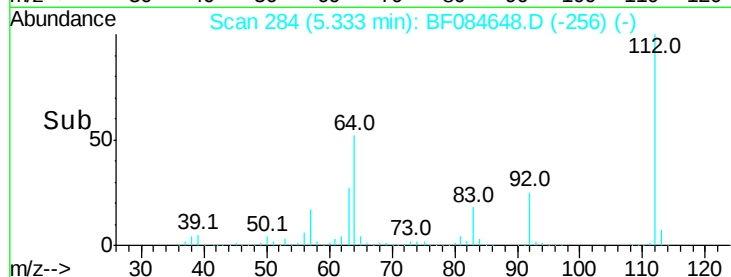
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.84 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

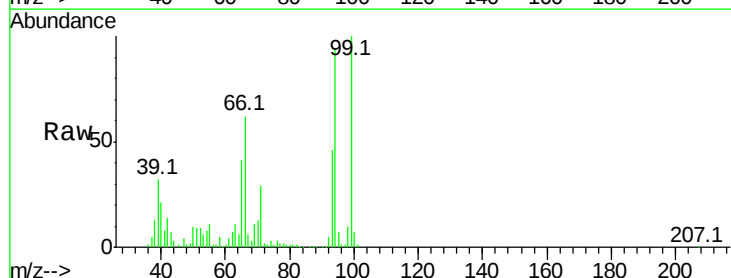
Tgt Ion: 93 Resp: 330566

Ion Ratio Lower Upper

93 100

66 136.3 44.9 67.3#

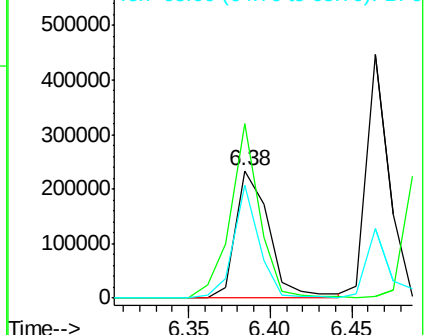
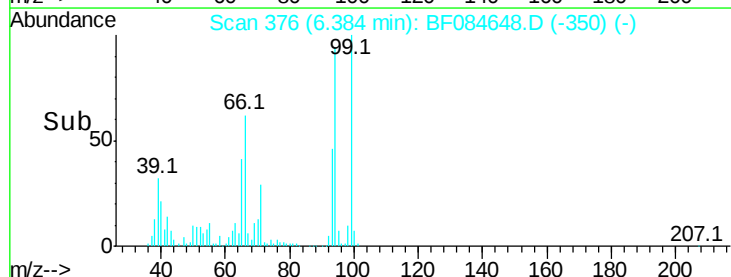
65 88.4 23.7 35.5#

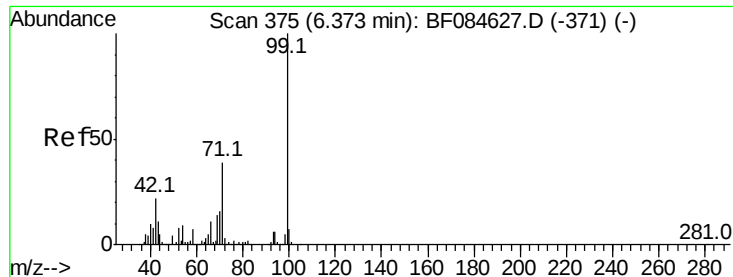


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.29 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion: 99 Resp: 1562485

Ion Ratio Lower Upper

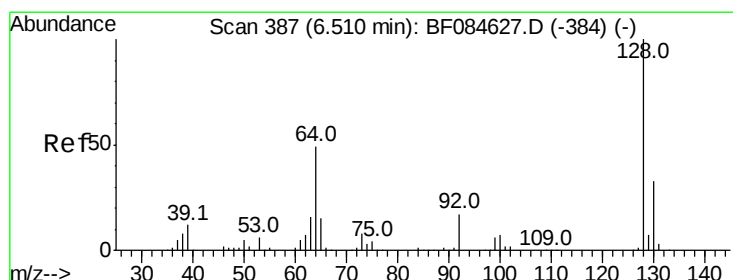
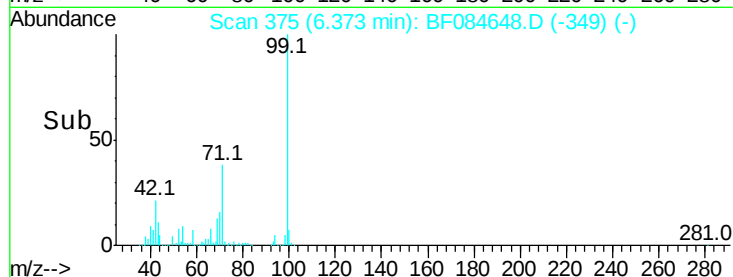
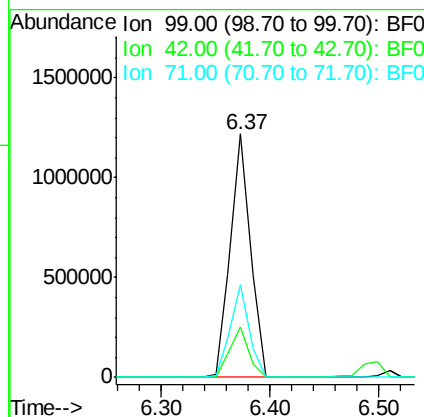
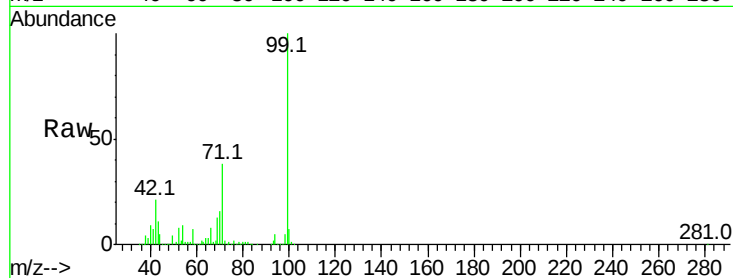
99 100

42 20.9 12.8 19.2#

71 38.0 30.9 46.3

Manual Integrations  
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#8

2-Chlorophenol

Concen: 39.44 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

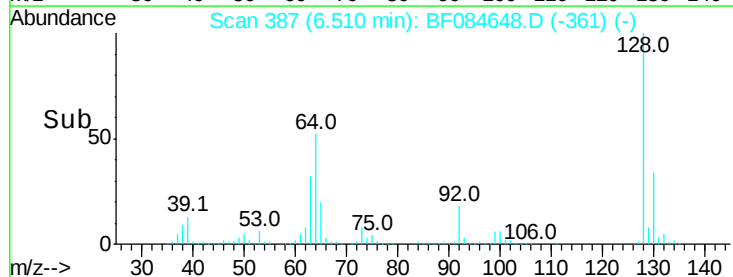
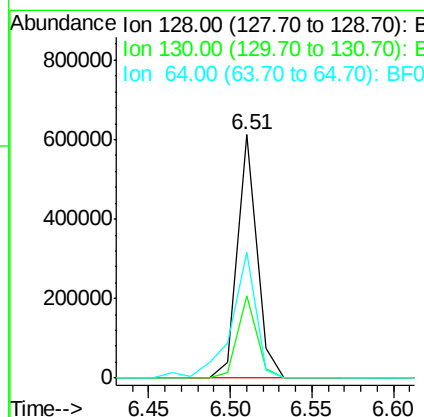
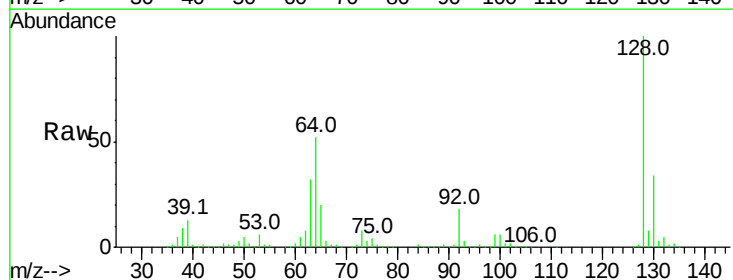
Tgt Ion: 128 Resp: 499074

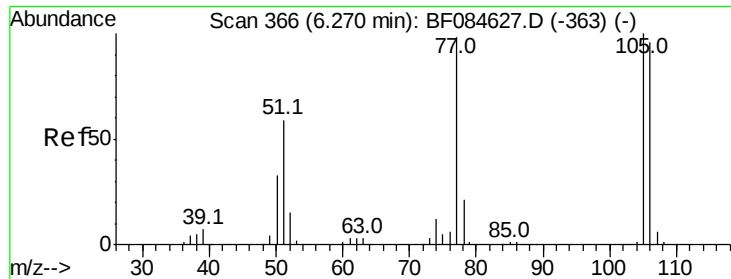
Ion Ratio Lower Upper

128 100

130 33.6 11.6 51.6

64 51.6 23.8 63.8





#9

Benzaldehyde

Concen: 27.32 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion: 77 Resp: 216276

Ion Ratio Lower Upper

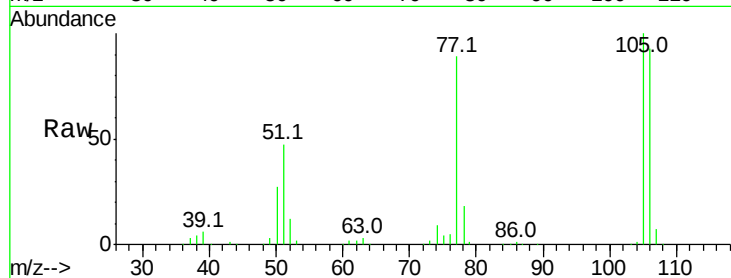
77 100

105 112.3 83.0 123.0

106 104.3 74.6 114.6

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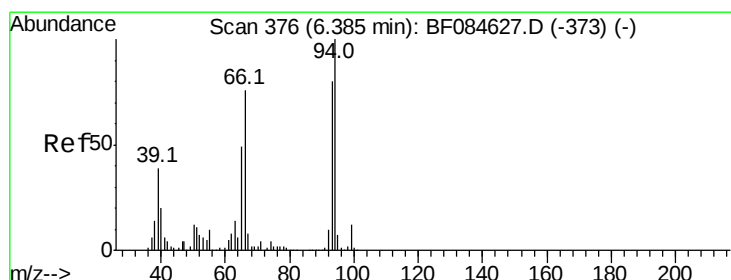
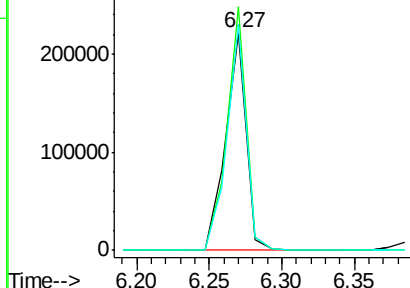
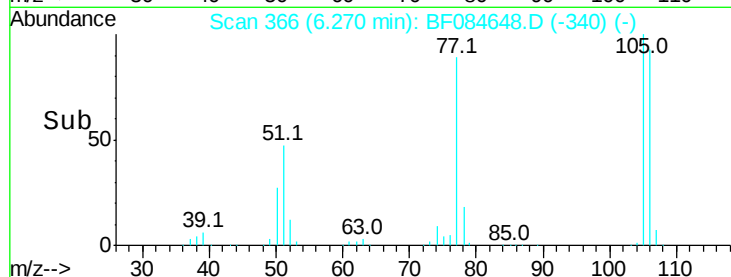
mohammad  
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 33.43 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

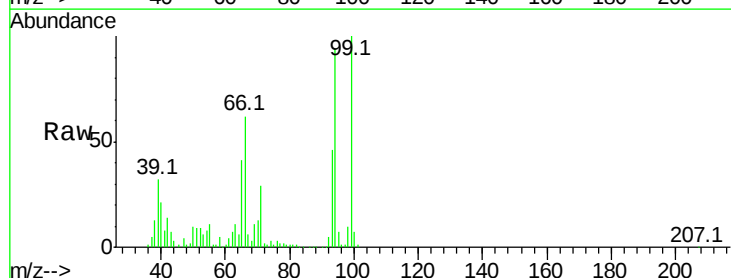
Tgt Ion: 94 Resp: 509380

Ion Ratio Lower Upper

94 100

65 43.1 12.9 52.9

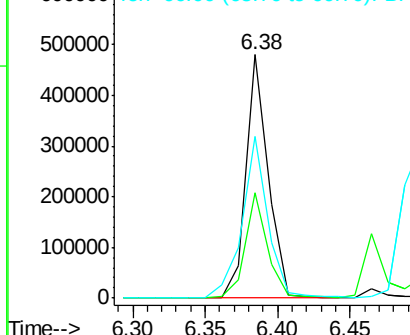
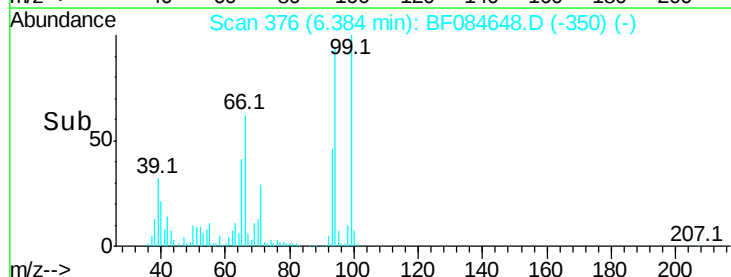
66 66.5 32.7 72.7

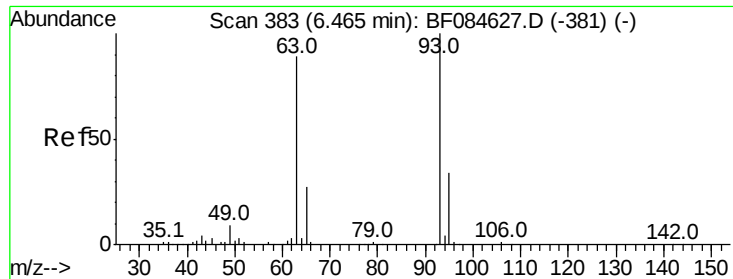


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 36.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

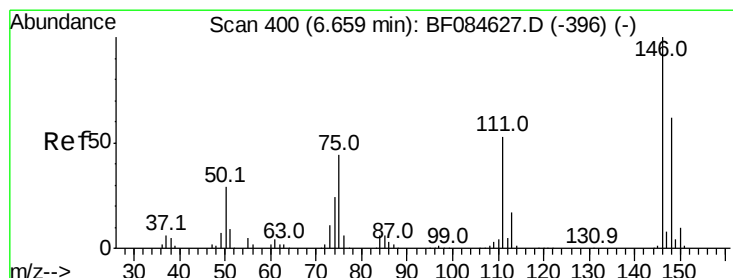
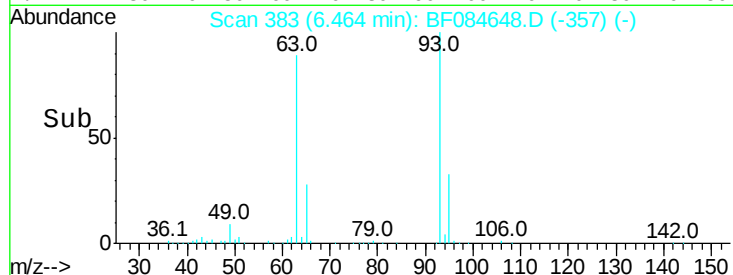
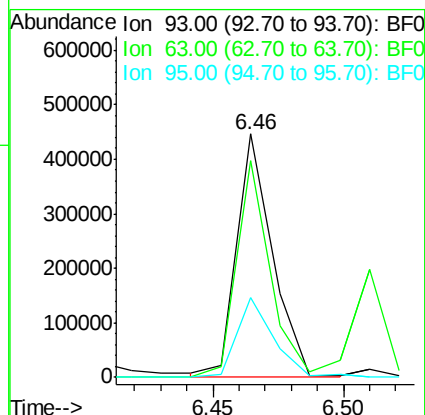
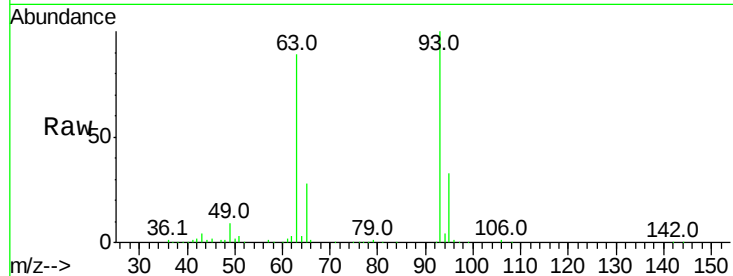
ClientSampleId :

PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 89.1  | 45.9  | 85.9# |
| 95      | 32.8  | 12.3  | 52.3  |

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#12

1,3-Dichlorobenzene

Concen: 35.09 ng m

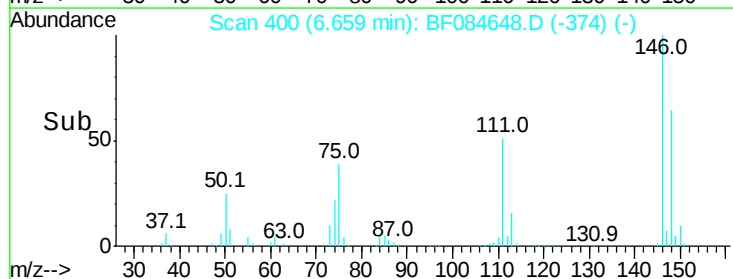
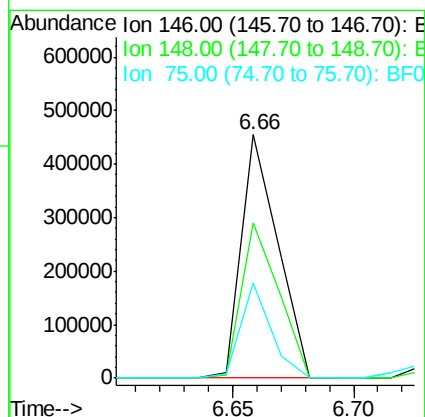
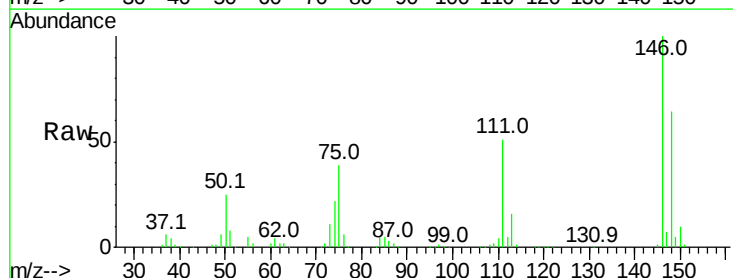
RT: 6.66 min Scan# 400

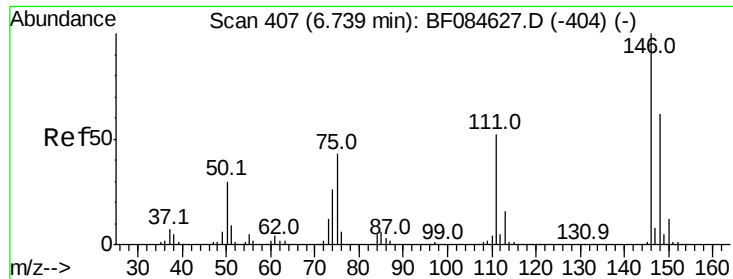
Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 51.9  | 77.9  |
| 75      | 39.3  | 20.5  | 30.7# |





#13

1,4-Dichlorobenzene

Concen: 36.92 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

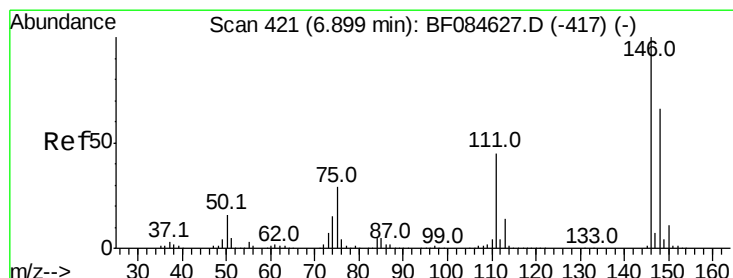
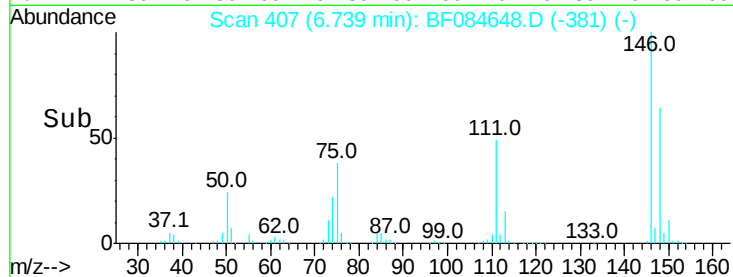
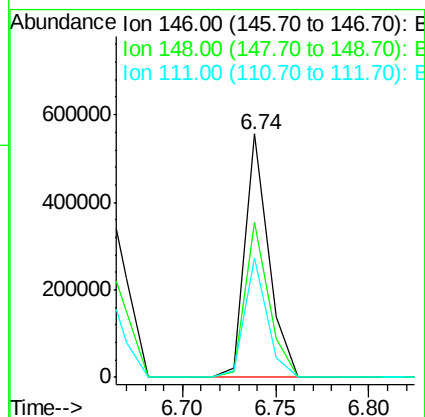
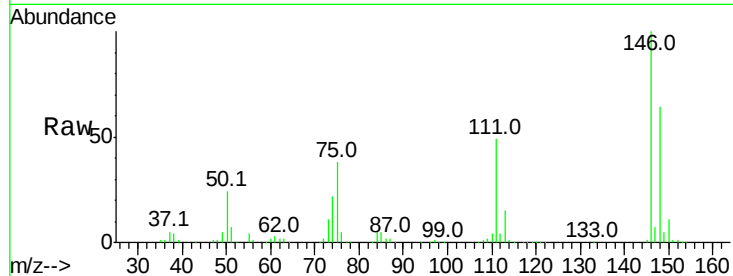
ClientSampleId :

PB88084BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 491191 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.0  | 51.9  | 77.9   |
| 111       | 49.0  | 41.6  | 62.4   |

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#14

1,2-Dichlorobenzene

Concen: 39.08 ng

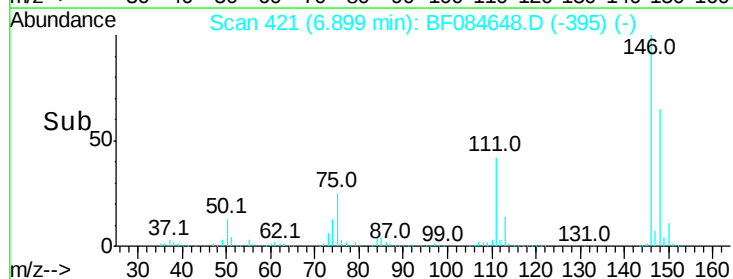
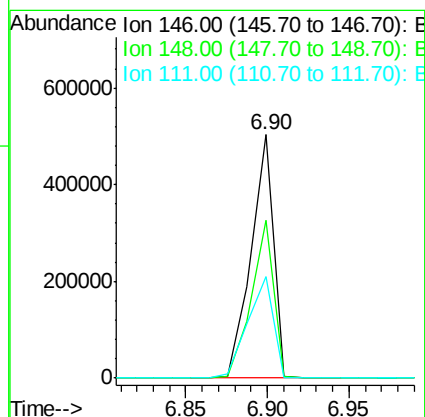
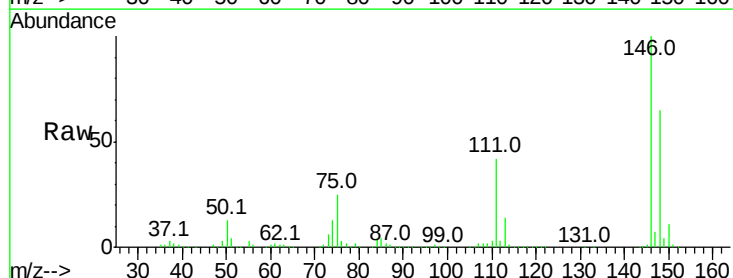
RT: 6.90 min Scan# 421

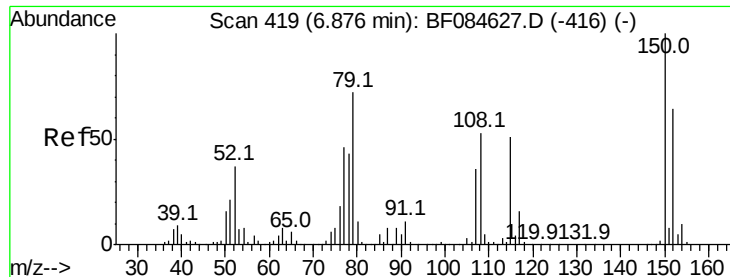
Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 478752 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.6  | 51.6  | 77.4   |
| 111       | 41.5  | 38.0  | 57.0   |





#15

Benzyl Alcohol

Concen: 42.02 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion: 79 Resp: 391048

Ion Ratio Lower Upper

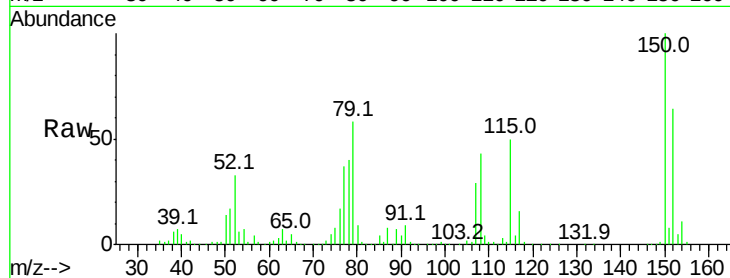
79 100

108 74.3 69.0 103.4

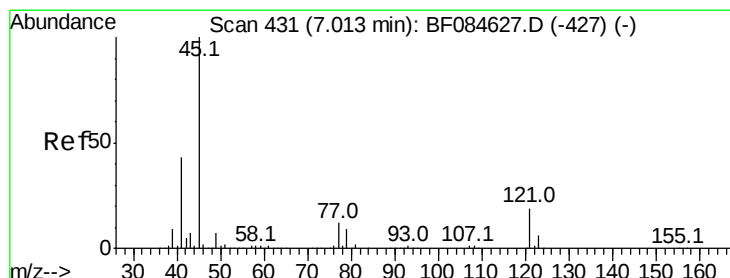
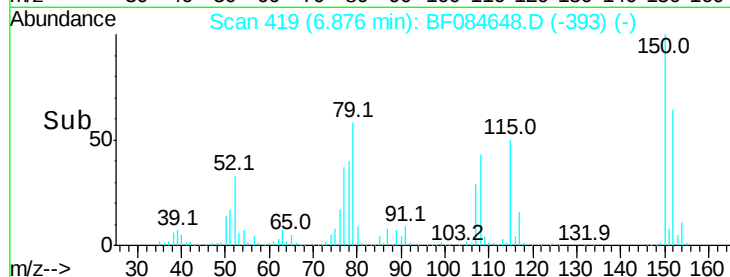
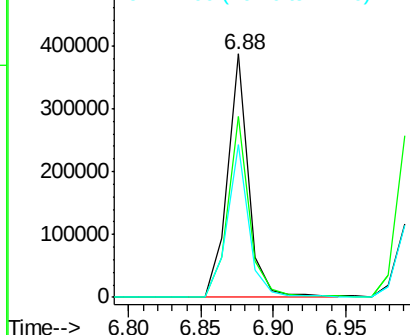
77 62.8 50.0 75.0

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Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.02 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

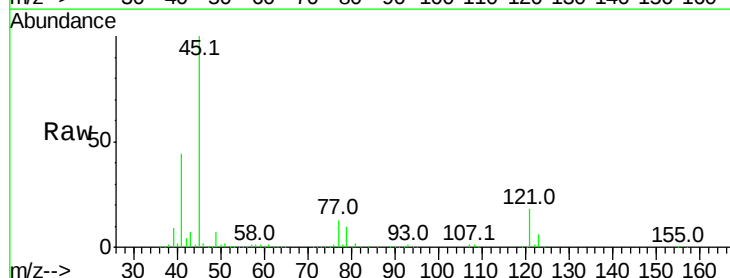
Tgt Ion: 45 Resp: 730580

Ion Ratio Lower Upper

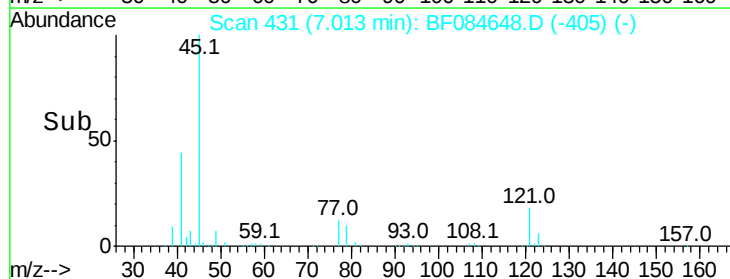
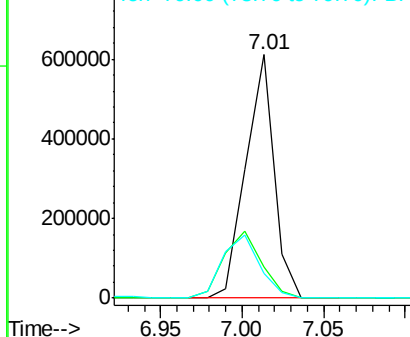
45 100

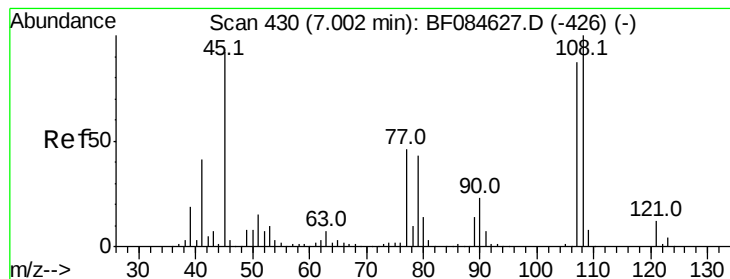
77 12.6 0.0 39.6

79 10.1 0.0 35.0



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0





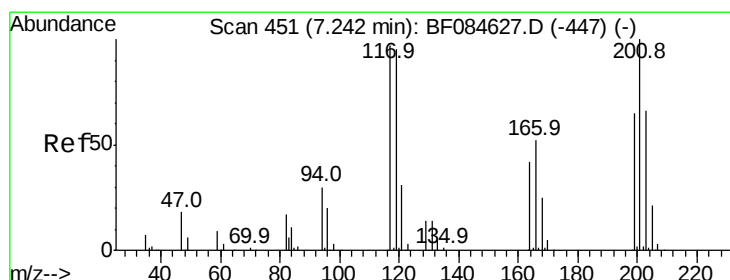
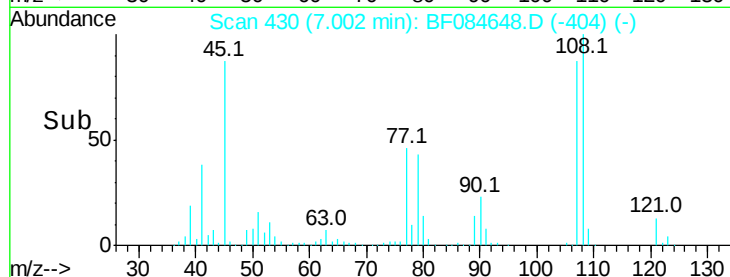
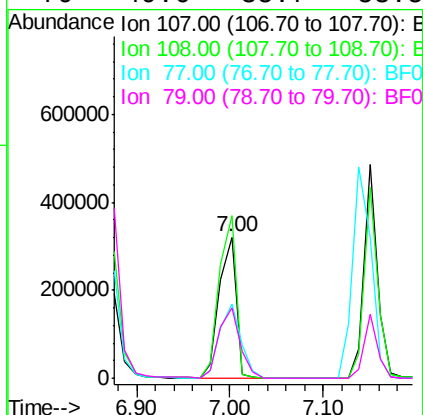
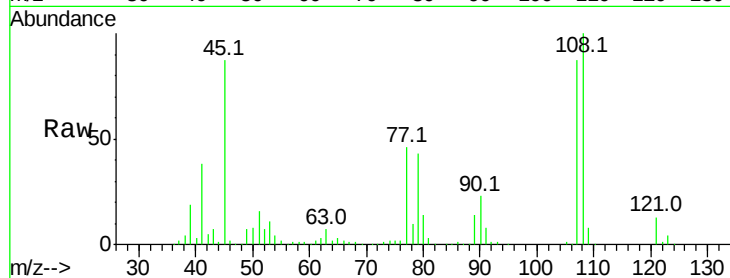
#17  
2-Methylphenol  
Concen: 41.34 ng  
RT: 7.00 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 405507 |       |       |
| 108     | 114.9 | 89.8   | 134.6 |       |
| 77      | 52.4  | 35.7   | 53.5  |       |
| 79      | 49.6  | 35.7   | 53.5  |       |

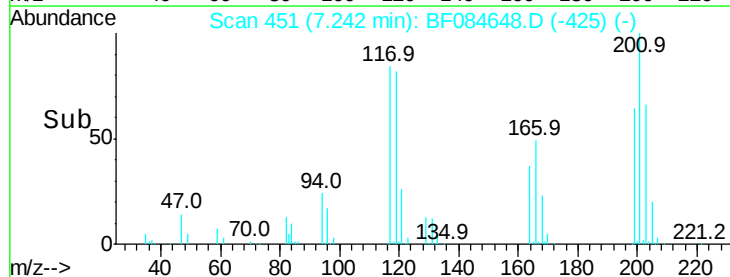
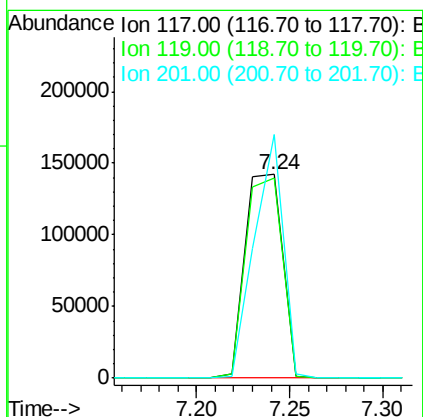
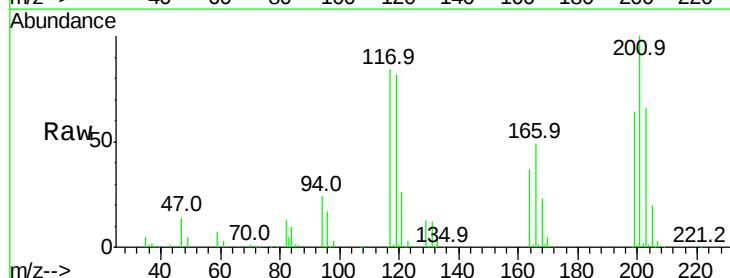
Manual Integrations  
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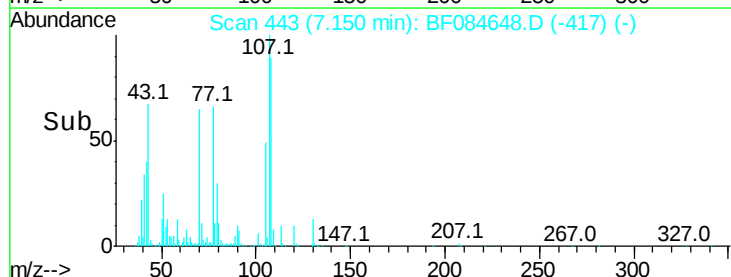
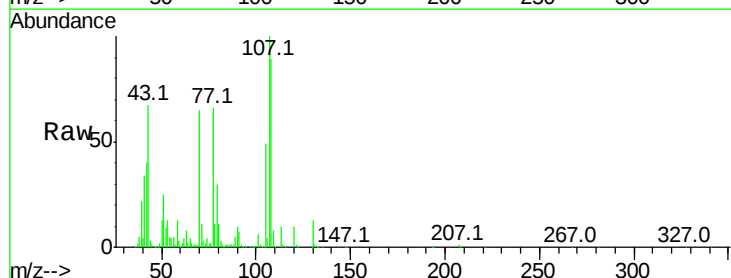
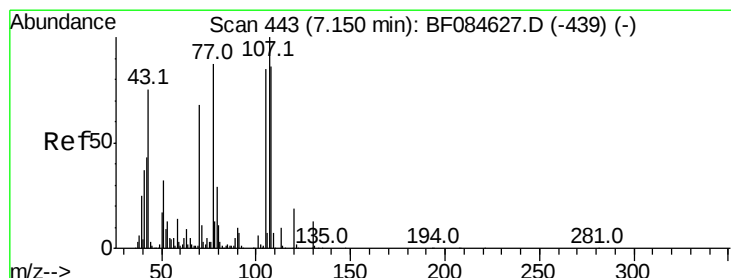
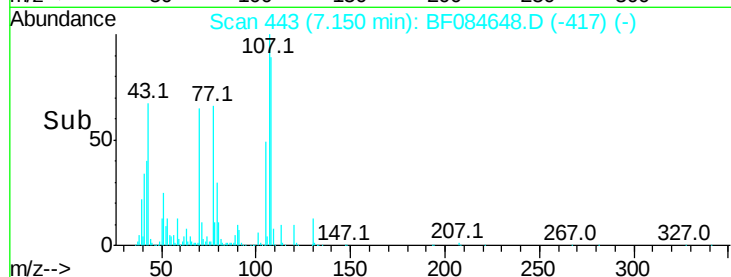
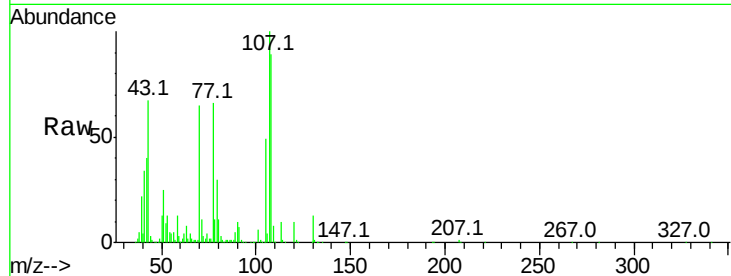
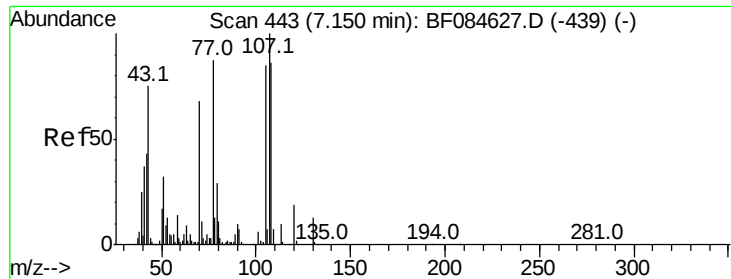
mohammad  
2/1/2016 2:24:30 PM



#18  
Hexachloroethane  
Concen: 37.75 ng  
RT: 7.24 min Scan# 451  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp   | Lower  | Upper |
|---------|-------|--------|--------|-------|
| 117     | 100   | 196456 |        |       |
| 119     | 98.3  | 77.4   | 116.0  |       |
| 201     | 119.7 | 68.6   | 103.0# |       |





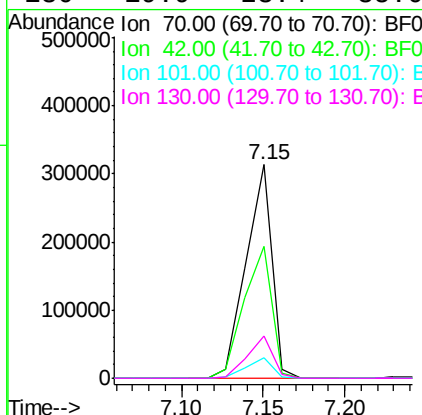
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.13 ng  
RT: 7.15 min Scan# 443  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 62.0  | 33.3  | 49.9# |
| 101     | 9.7   | 9.3   | 13.9  |
| 130     | 19.9  | 23.4  | 35.0# |

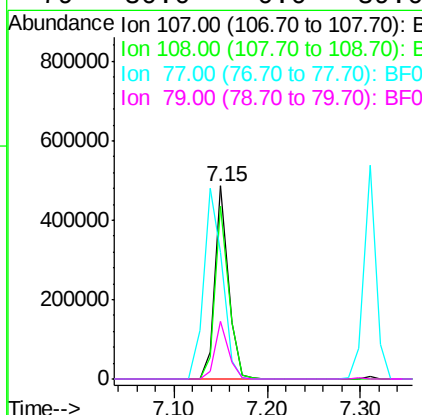
Manual Integrations  
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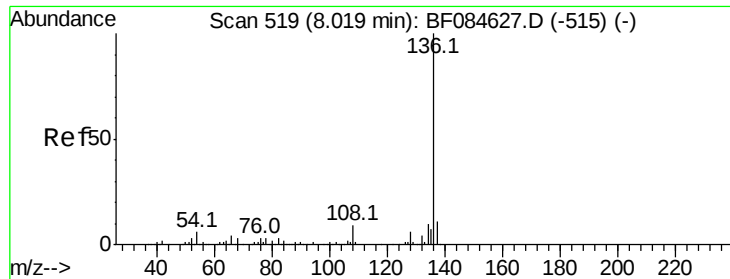
mohammad  
2/1/2016 2:24:30 PM



#20  
3+4-Methylphenols  
Concen: 41.03 ng  
RT: 7.15 min Scan# 443  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 89.3  | 74.6  | 114.6 |
| 77      | 65.8  | 0.7   | 40.7# |
| 79      | 30.0  | 0.0   | 39.0  |





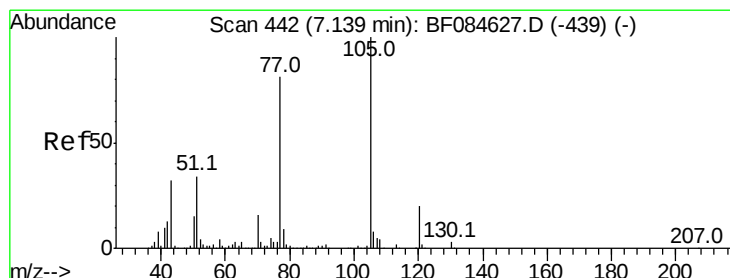
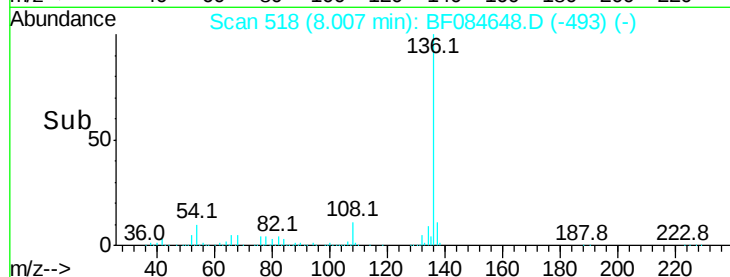
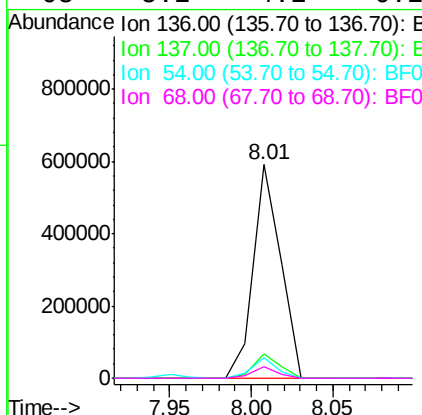
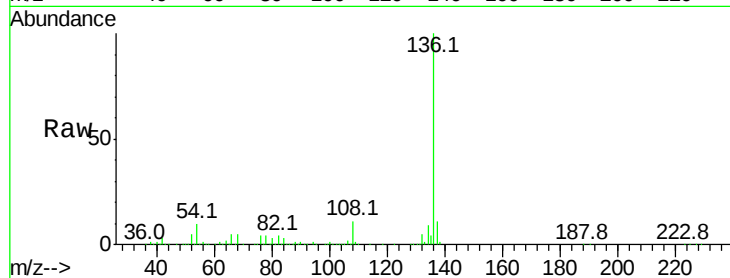
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.01 min Scan# 518  
Delta R.T. -0.01 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 687774 |       |       |
| 137     | 11.1  |        | 8.7   | 13.1  |
| 54      | 9.9   |        | 5.8   | 8.8   |
| 68      | 5.2   |        | 4.2   | 6.2   |

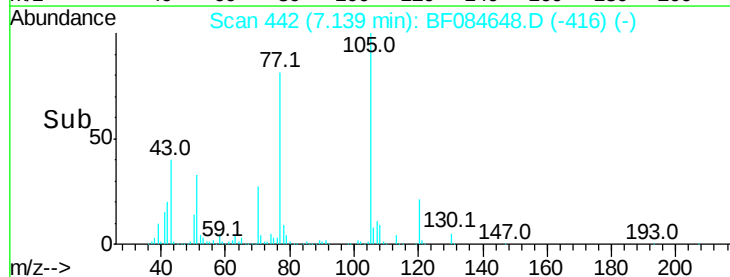
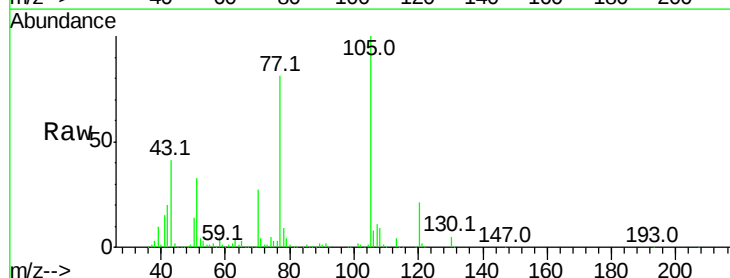
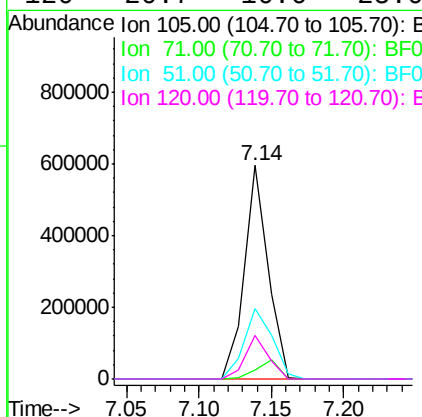
Manual Integrations  
APPROVED

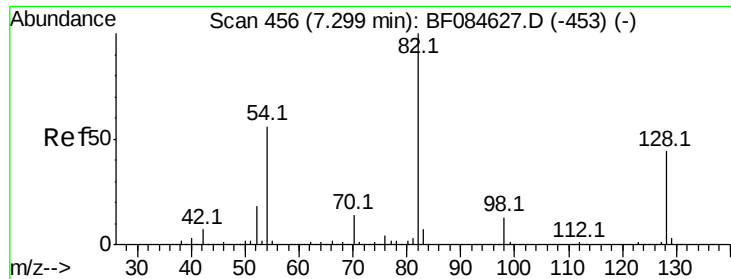
mohammad  
2/1/2016 2:24:30 PM



#22  
Acetophenone  
Concen: 37.49 ng  
RT: 7.14 min Scan# 442  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 673387 |       |       |
| 71      | 4.4   |        | 3.7   | 5.5   |
| 51      | 32.8  |        | 25.1  | 37.7  |
| 120     | 20.7  |        | 16.6  | 25.0  |





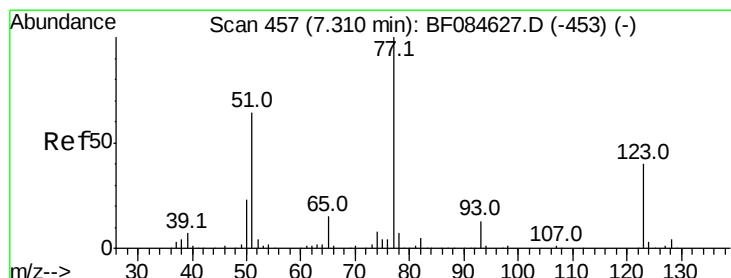
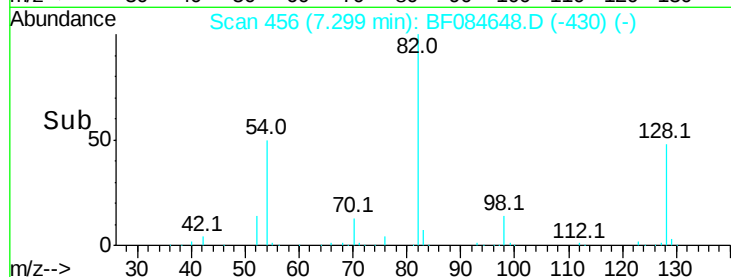
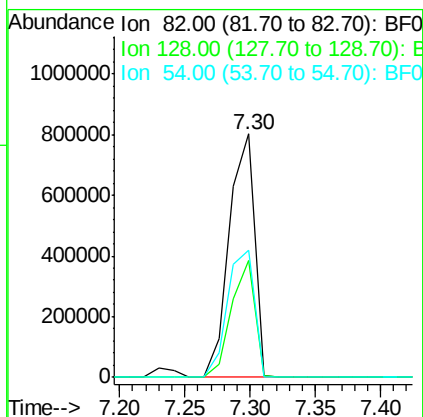
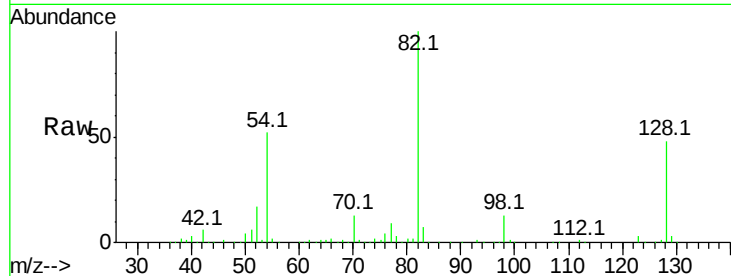
#23  
Nitrobenzene-d5  
Concen: 87.41 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

Tot Ion: 82 Resp: 1075736  
Ion Ratio Lower Upper  
82 100  
128 47.8 34.6 51.8  
54 52.1 38.4 57.6

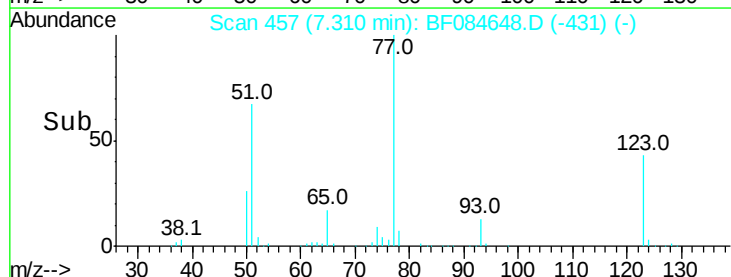
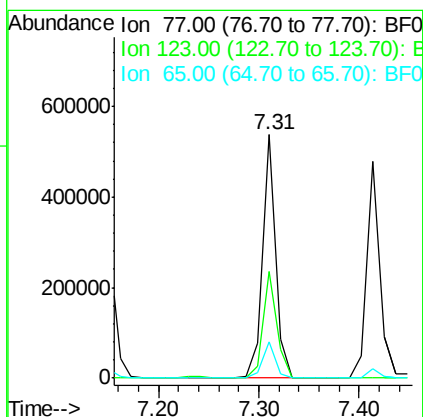
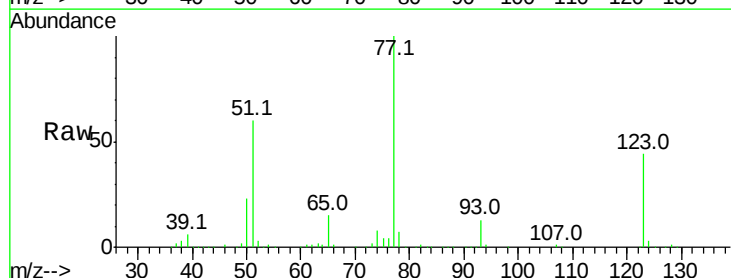
Manual Integrations  
APPROVED

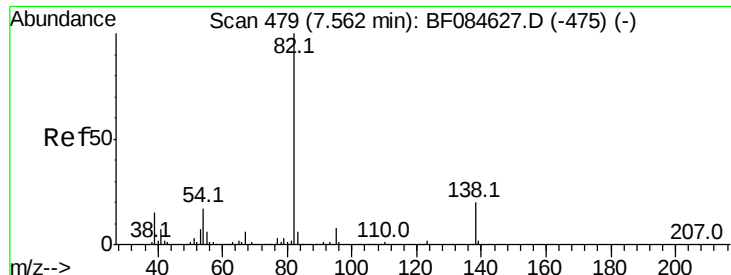
mohammad  
2/1/2016 2:24:30 PM



#24  
Nitrobenzene  
Concen: 37.06 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Tgt Ion: 77 Resp: 484763  
Ion Ratio Lower Upper  
77 100  
123 43.6 37.4 56.2  
65 14.7 10.9 16.3





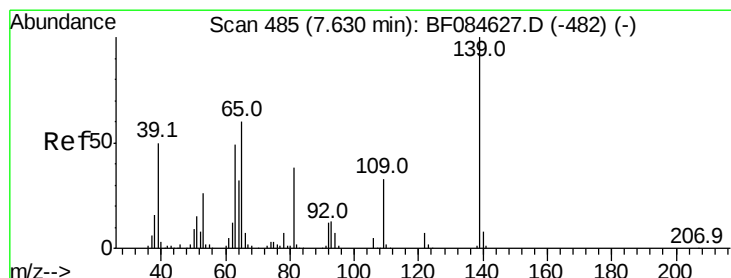
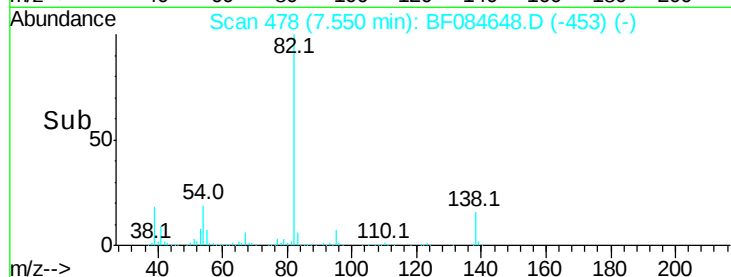
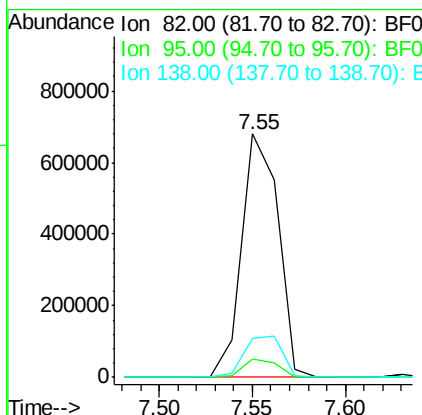
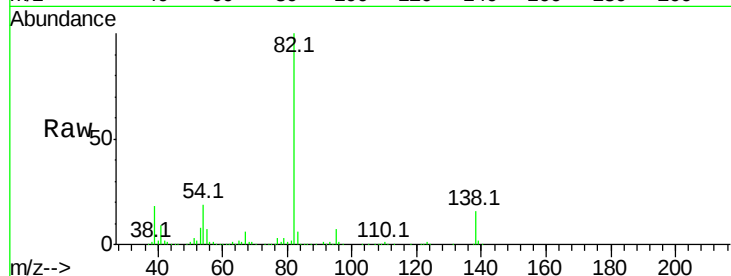
#25  
Isophorone  
Concen: 40.46 ng  
RT: 7.55 min Scan# 478  
Delta R.T. -0.01 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 7.3   | 6.6  | 10.0  |       |
| 138     | 15.9  | 13.6 | 20.4  |       |

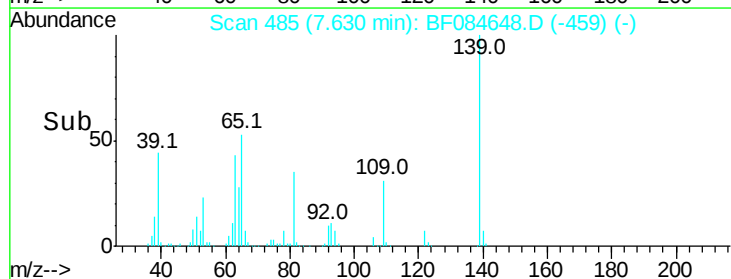
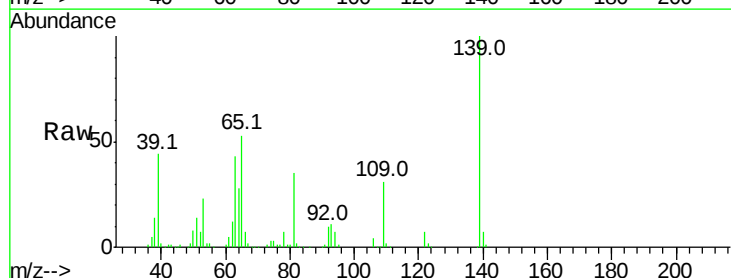
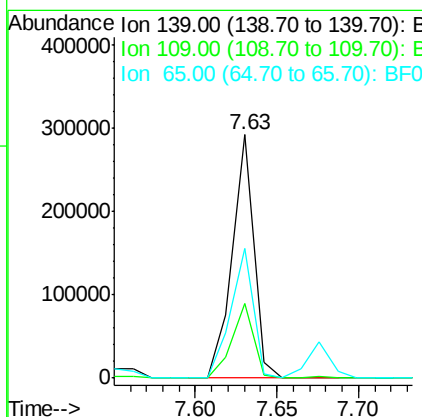
Manual Integrations  
APPROVED

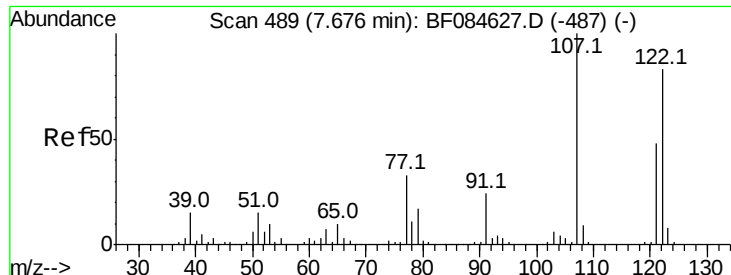
mohammad  
2/1/2016 2:24:30 PM



#26  
2-Nitrophenol  
Concen: 42.88 ng  
RT: 7.63 min Scan# 485  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 30.6  | 25.4 | 38.2  |       |
| 65      | 53.3  | 32.3 | 48.5  |       |





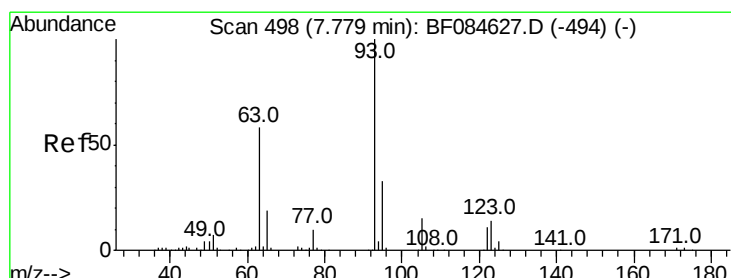
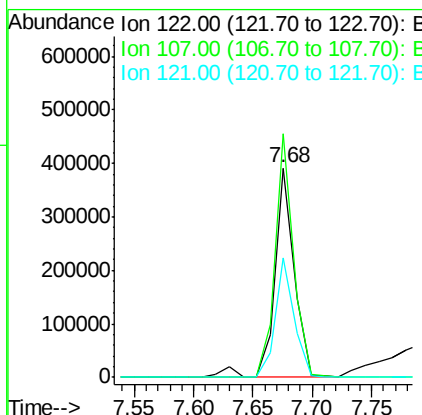
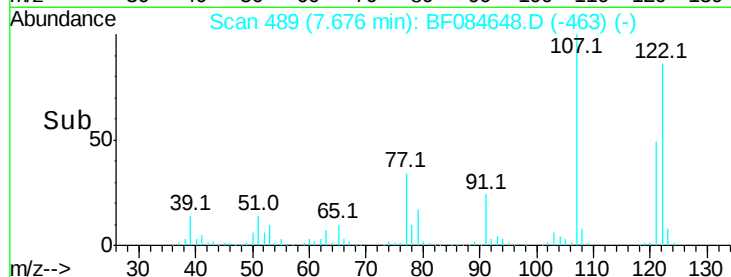
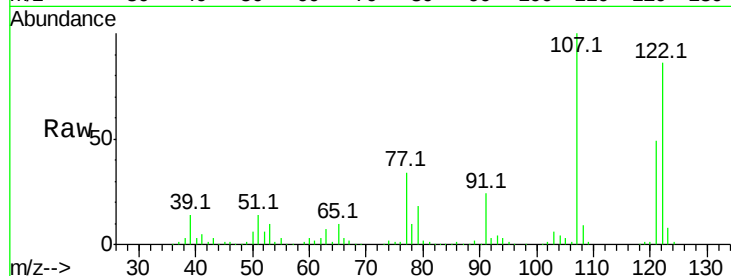
#27  
 2,4-Dimethylphenol  
 Concen: 40.99 ng  
 RT: 7.68 min Scan# 489  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 446813 |       |       |
| 107     | 116.5 | 99.1   | 148.7 |       |
| 121     | 57.2  | 47.9   | 71.9  |       |

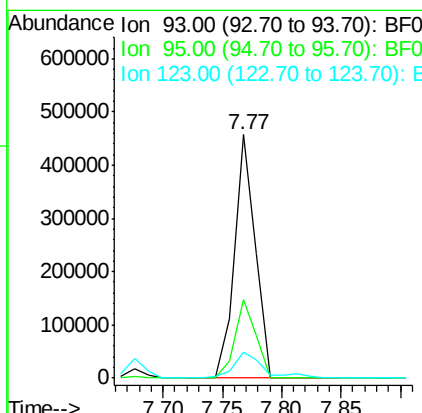
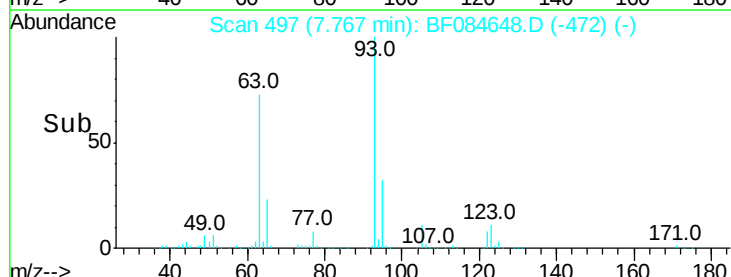
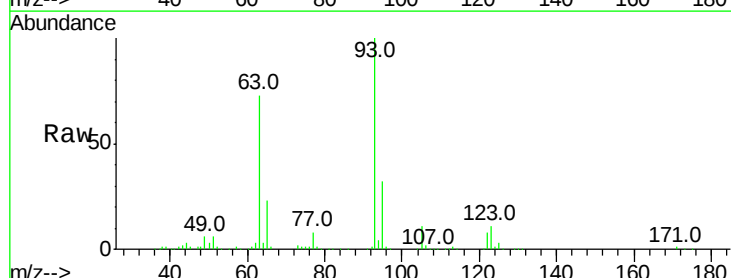
Manual Integrations  
 APPROVED

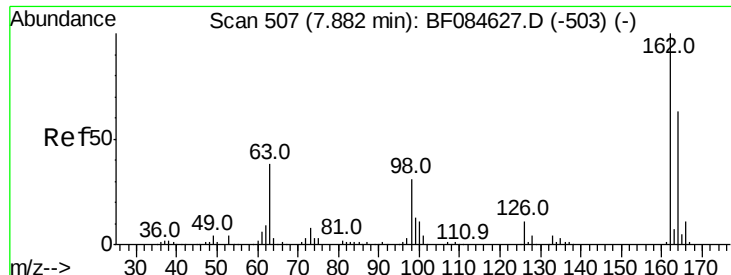
mohammad  
 2/1/2016 2:24:30 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.00 ng  
 RT: 7.77 min Scan# 497  
 Delta R.T. -0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 553556 |       |       |
| 95      | 32.3  | 25.8   | 38.6  |       |
| 123     | 10.7  | 8.6    | 12.8  |       |





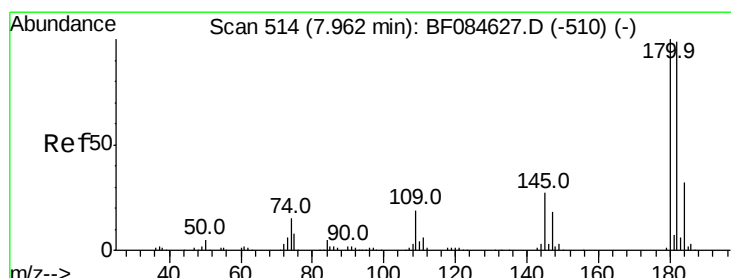
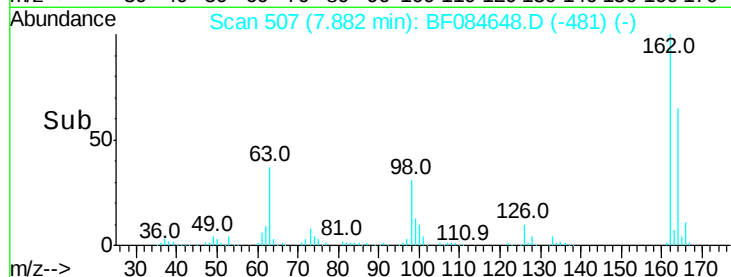
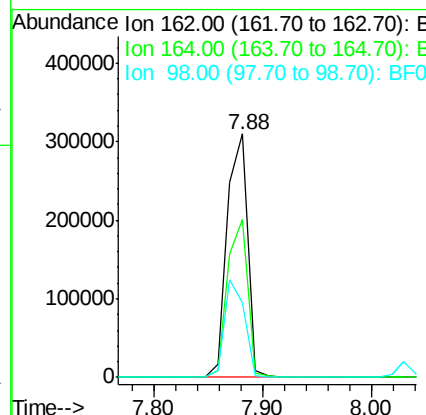
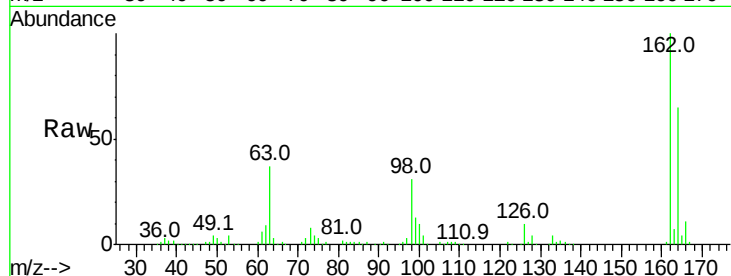
#29  
 2,4-Dichlorophenol  
 Concen: 42.23 ng  
 RT: 7.88 min Scan# 507  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 402592 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.6  | 44.1  | 84.1   |
| 98        | 30.5  | 20.2  | 60.2   |

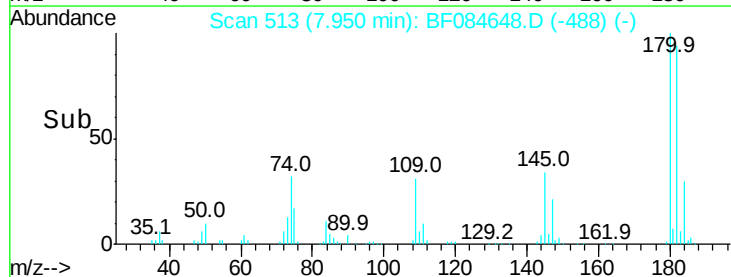
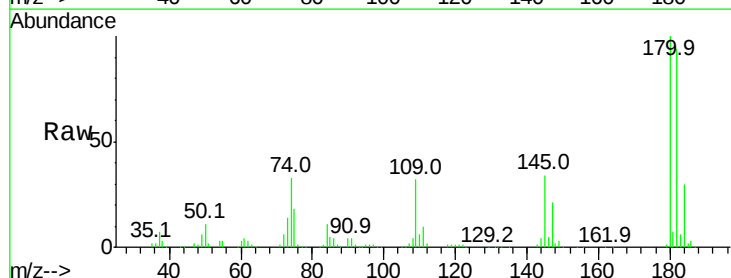
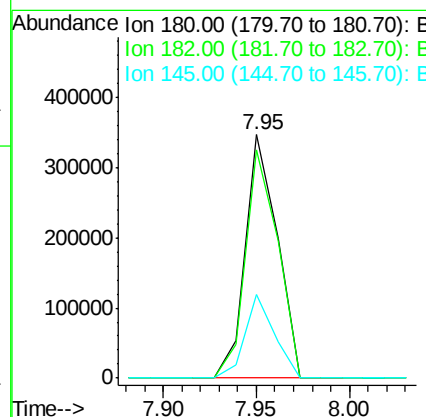
Manual Integrations  
 APPROVED

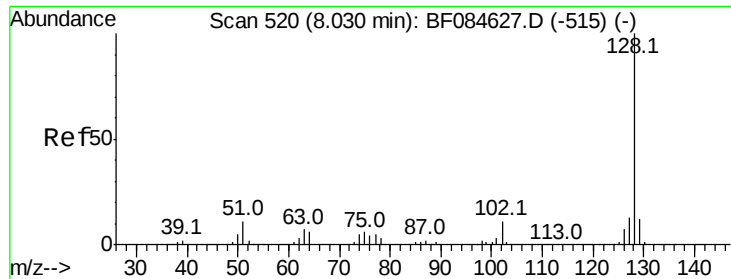
mohammad  
 2/1/2016 2:24:30 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.79 ng  
 RT: 7.95 min Scan# 513  
 Delta R.T. -0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 412051 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.0  | 76.4  | 114.6  |
| 145       | 34.3  | 31.6  | 47.4   |





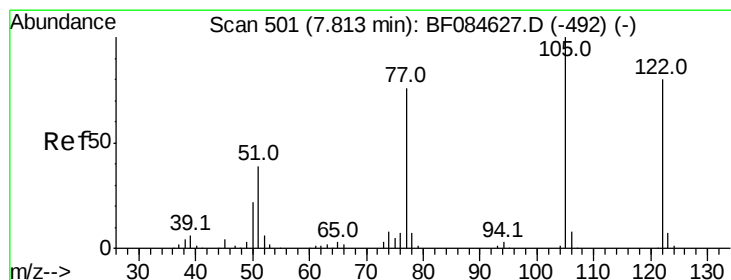
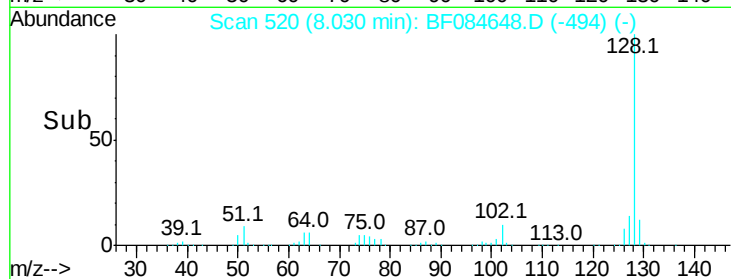
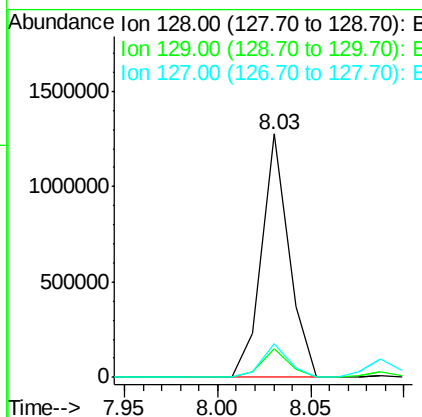
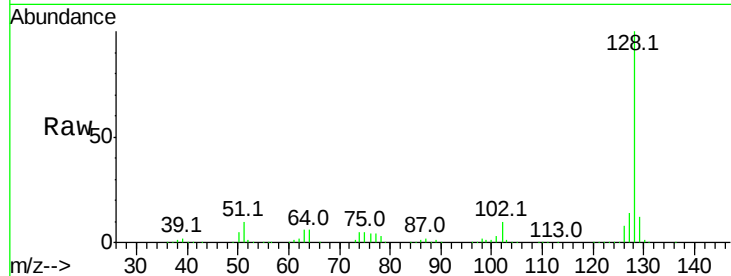
#31  
Naphthalene  
Concen: 37.27 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 9.1   | 13.7  |
| 127     | 14.1  | 11.1  | 16.7  |

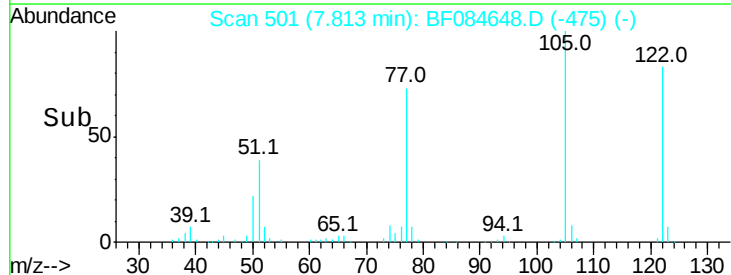
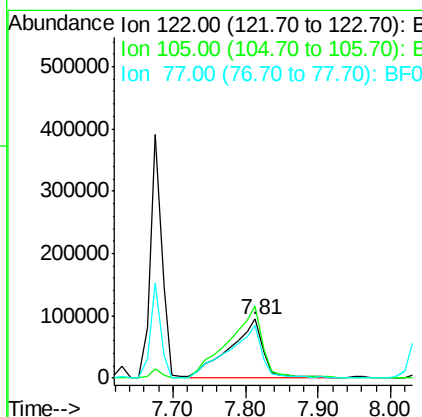
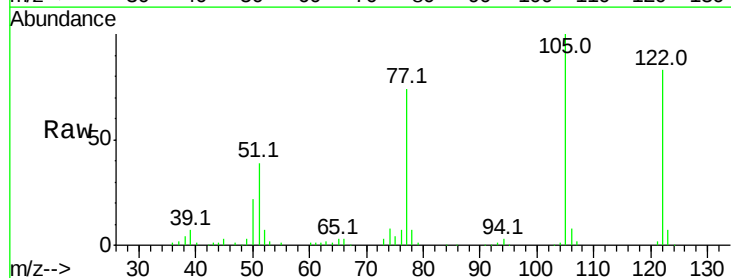
Manual Integrations  
APPROVED

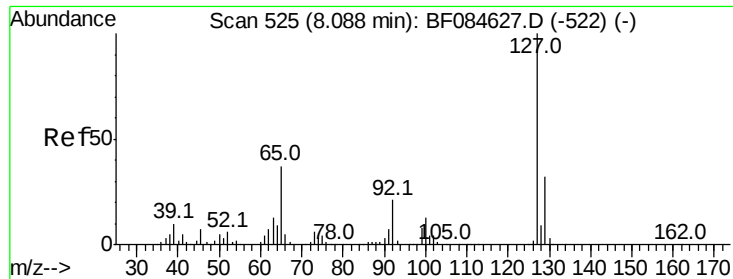
mohammad  
2/1/2016 2:24:30 PM



#32  
Benzoic acid  
Concen: 35.82 ng  
RT: 7.81 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 121.1 | 100.3 | 140.3 |
| 77      | 90.0  | 63.5  | 103.5 |





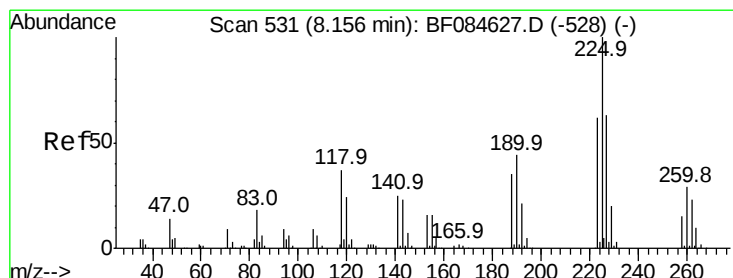
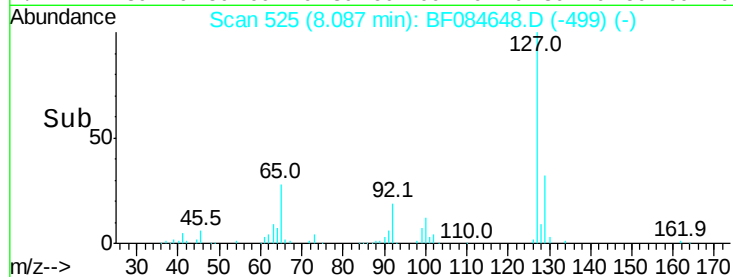
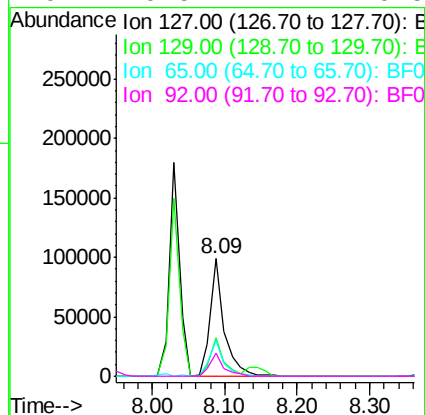
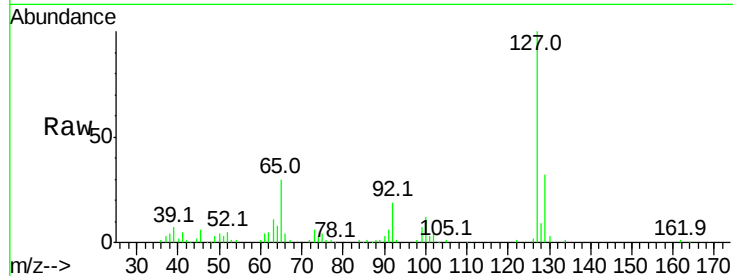
#33  
4-Chloroaniline  
Concen: 9.50 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.5 | 26.5  | 39.7 |       |       |
| 65      | 30.2 | 27.2  | 40.8 |       |       |
| 92      | 19.5 | 17.7  | 26.5 |       |       |

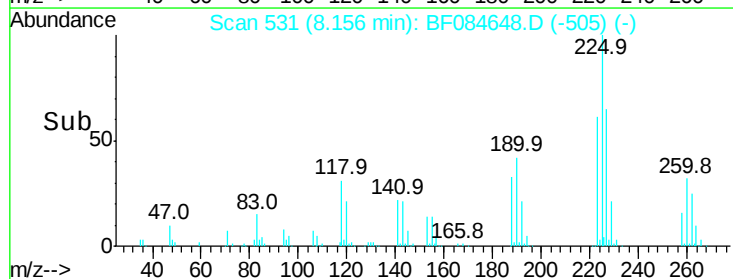
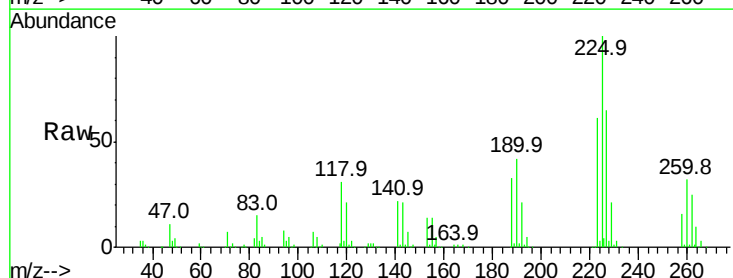
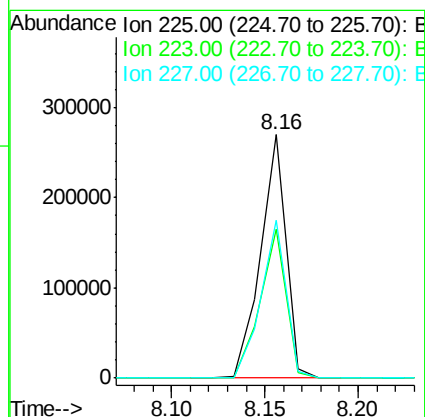
Manual Integrations  
APPROVED

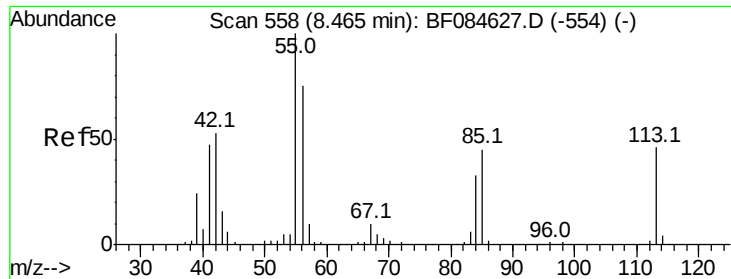
mohammad  
2/1/2016 2:24:30 PM



#34  
Hexachlorobutadiene  
Concen: 39.28 ng  
RT: 8.16 min Scan# 531  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 60.9 | 49.4  | 74.0 |       |       |
| 227     | 64.7 | 50.8  | 76.2 |       |       |





#35

Caprolactam

Concen: 50.51 ng/ml

RT: 8.46 min Scan# 558

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleID :

PB88084BS

Tot Ion:113 Resp: 138181  
Ion Ratio Lower Upper

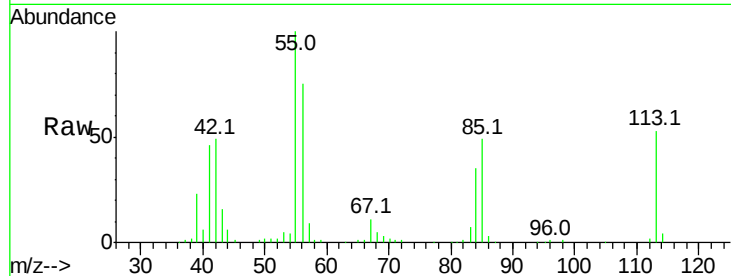
113 100

55 189.3 116.9 156.9#

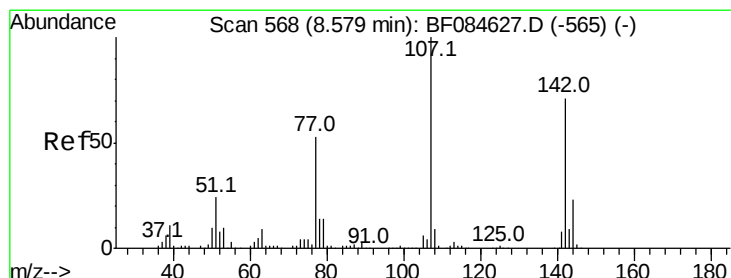
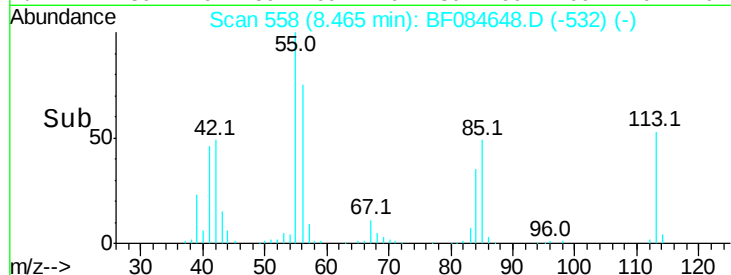
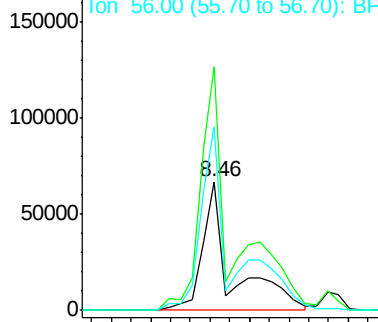
56 142.4 93.8 133.8#

Manual Integrations  
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2/1/2016 2:24:30 PM



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



#36

4-Chloro-3-methylphenol

Concen: 44.79 ng/ml

RT: 8.58 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF084648.D

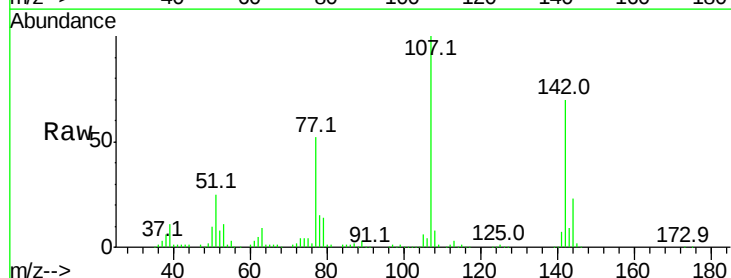
Acq: 29 Jan 2016 21:19

Tgt Ion:107 Resp: 470115  
Ion Ratio Lower Upper

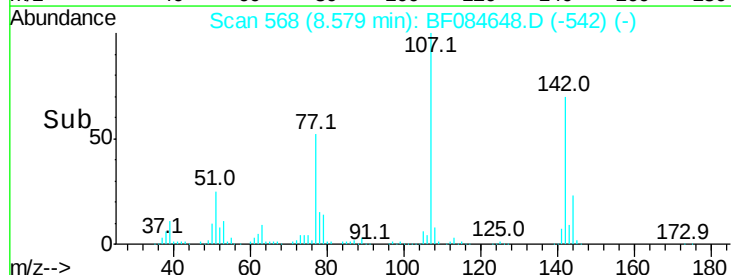
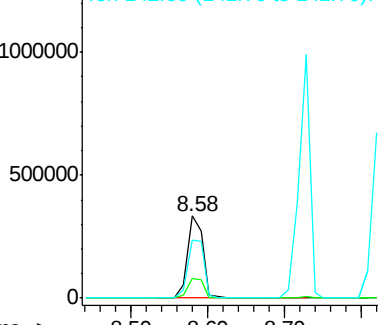
107 100

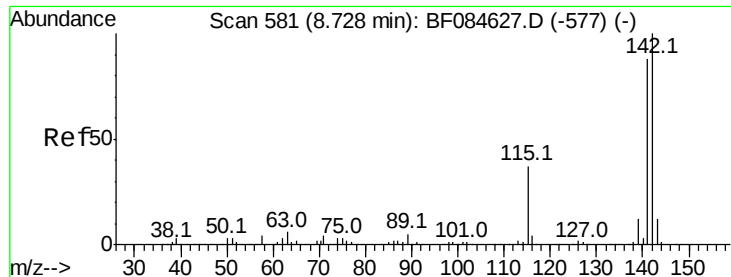
144 23.4 19.7 29.5

142 70.4 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E





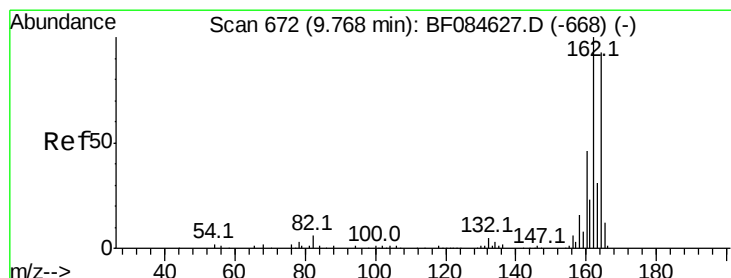
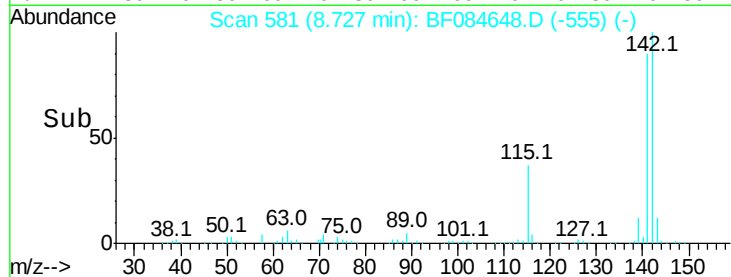
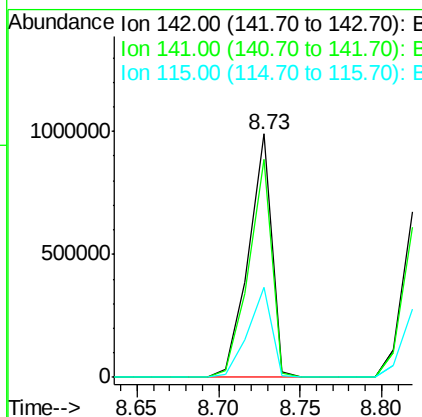
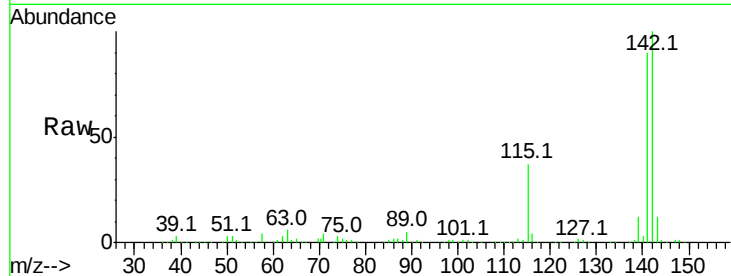
#37  
2-Methylnaphthalene  
Concen: 46.19 ng  
RT: 8.73 min Scan# 581  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 72.4  | 108.6 |
| 115     | 37.0  | 27.9  | 41.9  |

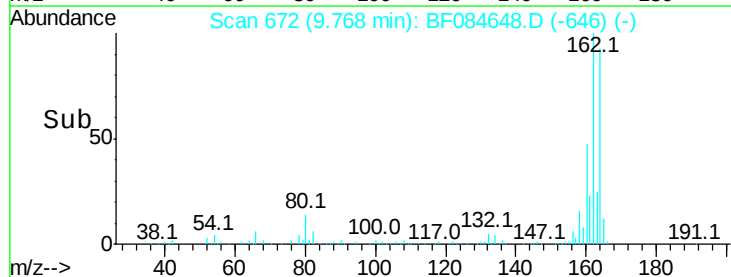
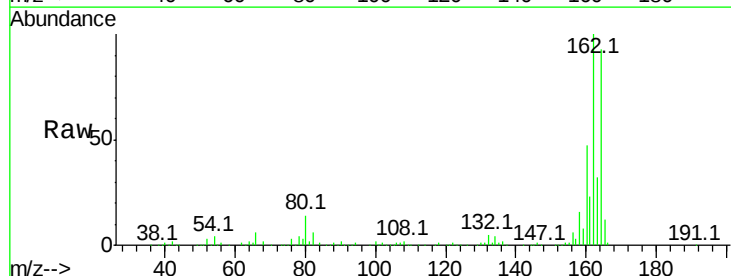
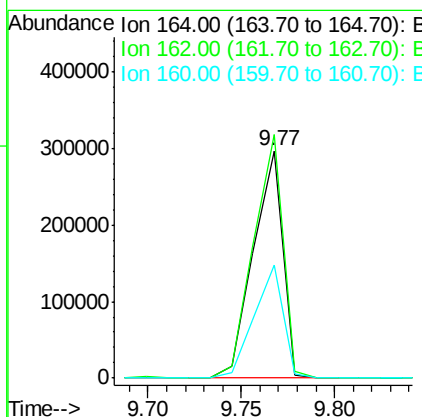
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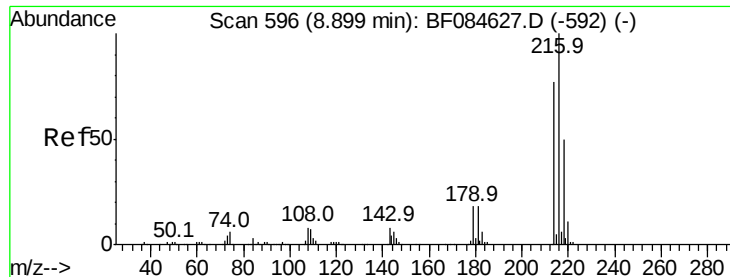
mohammad  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.0 | 85.1  | 127.7 |
| 160     | 49.8  | 37.5  | 56.3  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.74 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

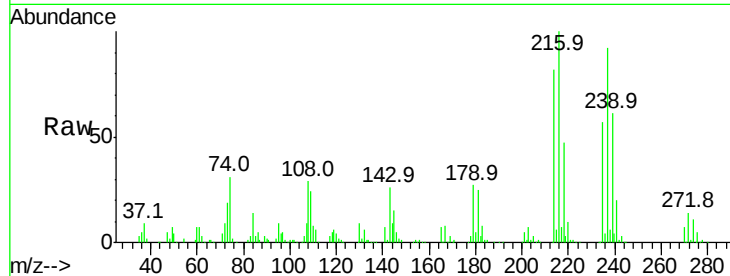
ClientSampleId :

PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 371640 |       |       |
| 214     | 78.8  | 64.2   | 96.2  |       |
| 179     | 22.6  | 18.7   | 28.1  |       |
| 108     | 23.6  | 16.8   | 25.2  |       |

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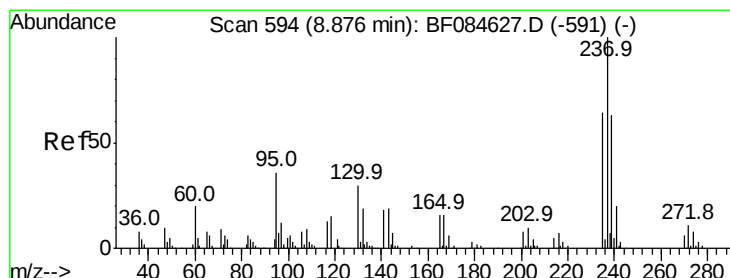
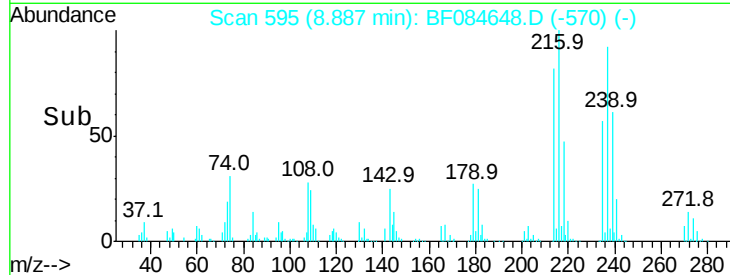
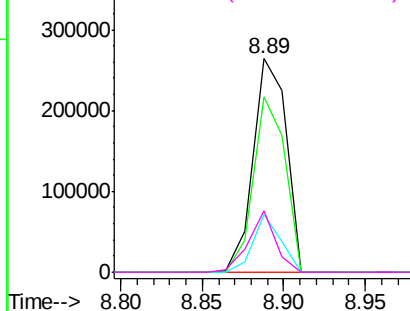


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 87.00 ng

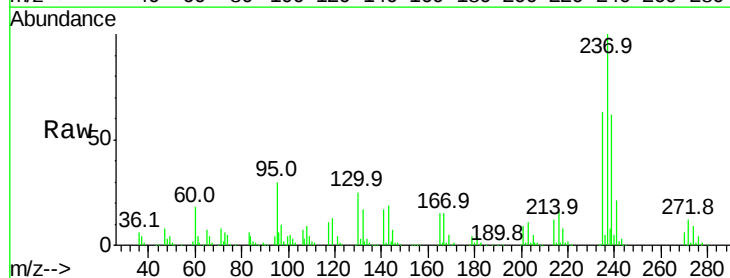
RT: 8.88 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

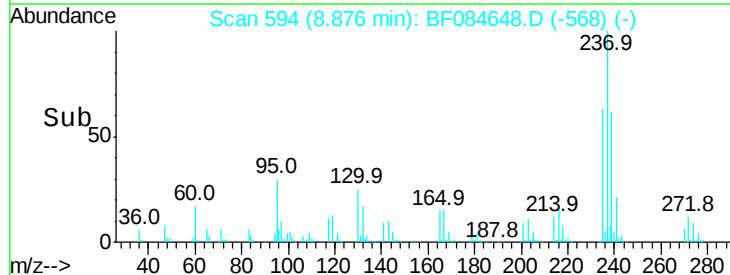
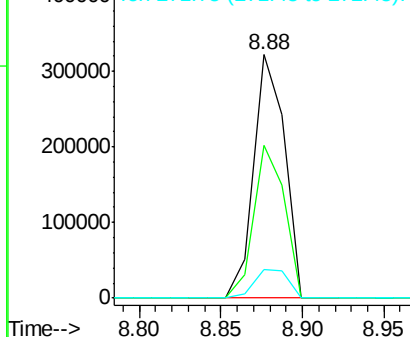
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 423166 |       |       |
| 235     | 62.9  | 43.1   | 83.1  |       |
| 272     | 11.6  | 0.0    | 35.1  |       |

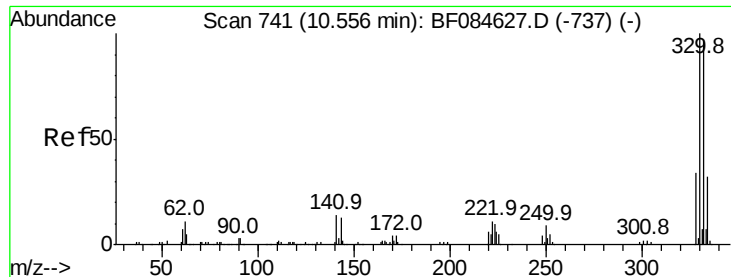


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





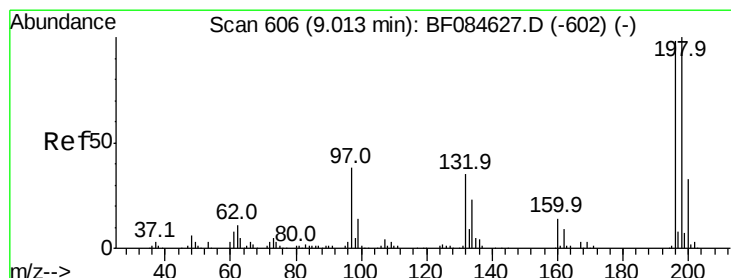
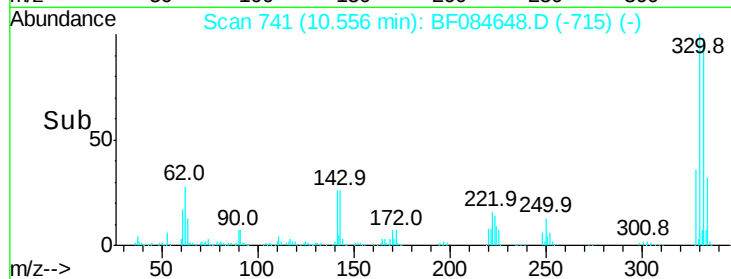
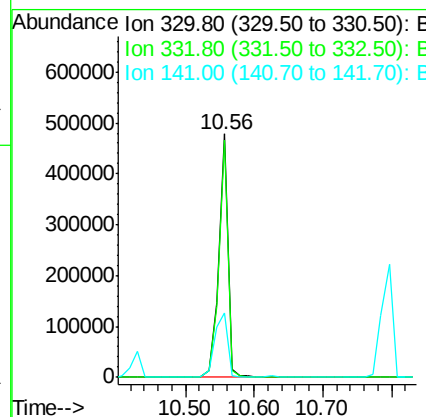
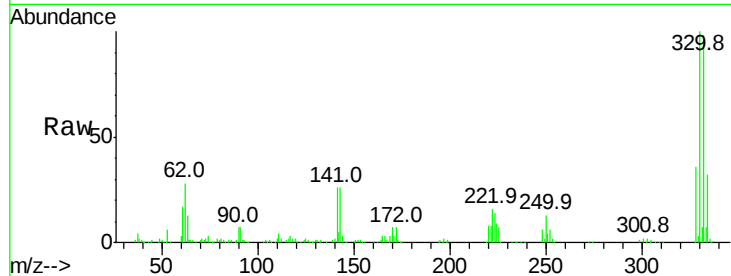
#41  
 2,4,6-Tribromophenol  
 Concen: 132.39 ng  
 RT: 10.56 min Scan# 741  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.6  | 114.8 |
| 141     | 36.5  | 27.8  | 41.6  |

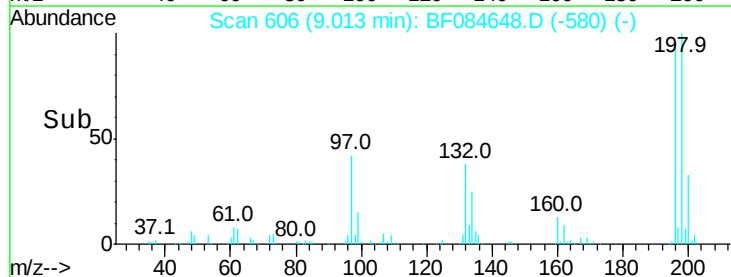
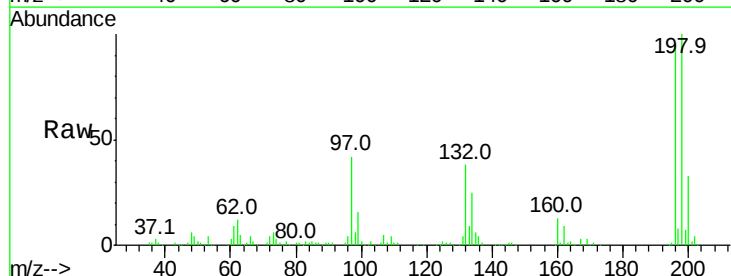
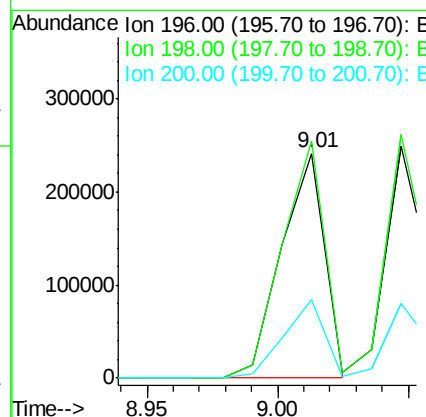
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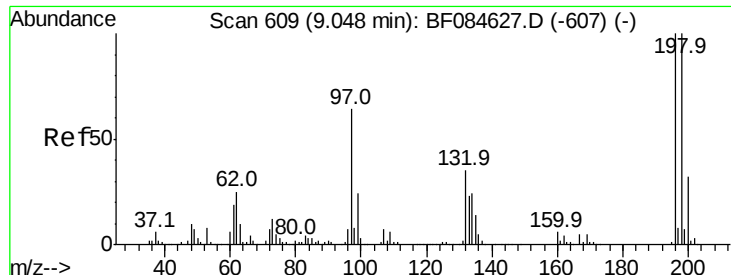
mohammad  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 41.77 ng  
 RT: 9.01 min Scan# 606  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 105.3 | 77.7  | 116.5 |
| 200     | 34.9  | 24.6  | 37.0  |





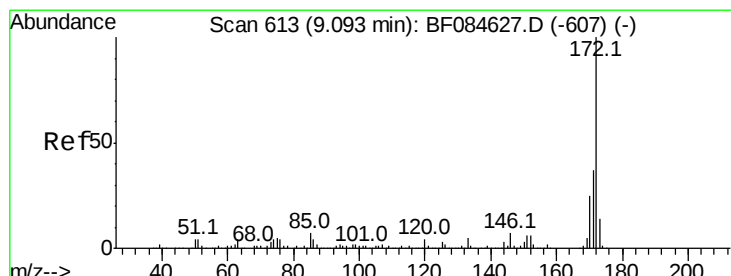
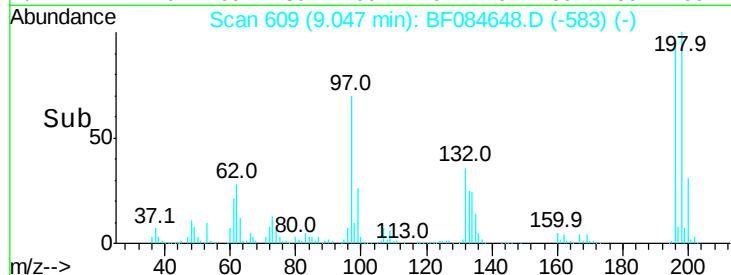
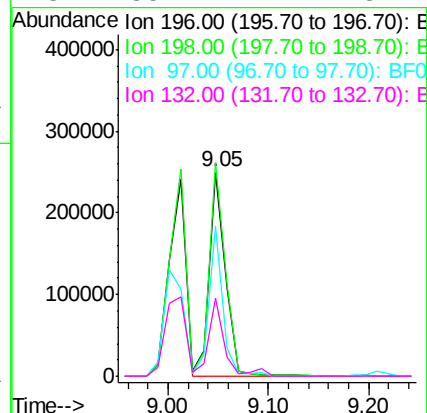
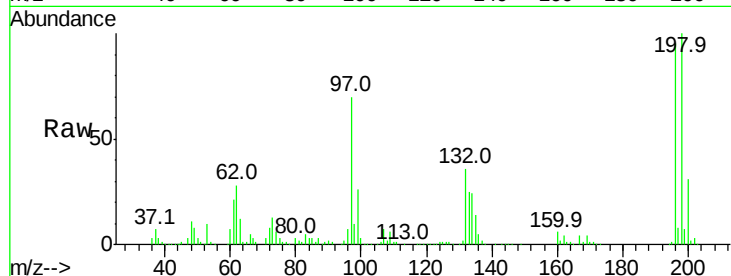
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.16 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 275566 |       |       |
| 198     | 104.7 | 79.0   | 118.6 |       |
| 97      | 73.7  | 33.0   | 49.6  |       |
| 132     | 38.2  | 21.1   | 31.7  |       |

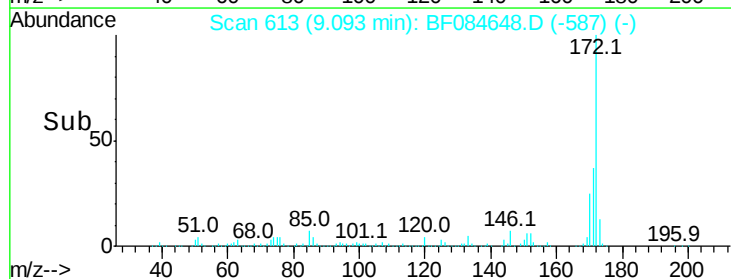
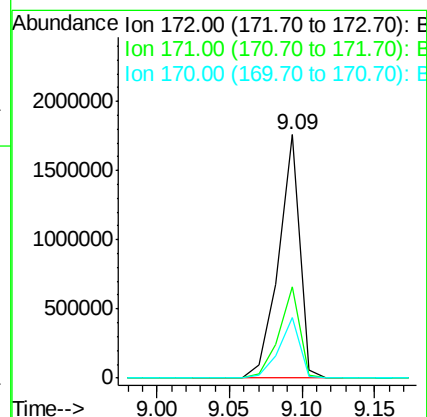
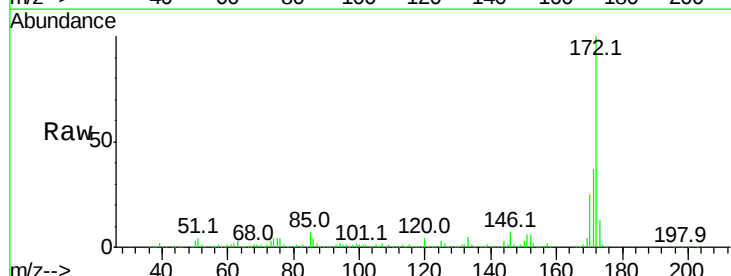
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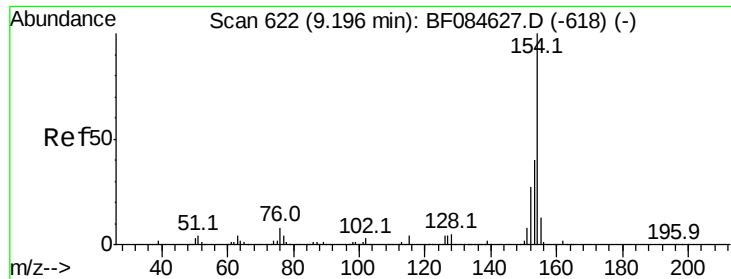
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#44  
 2-Fluorobiphenyl  
 Concen: 79.92 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1773592 |       |       |
| 171     | 37.3  | 28.9    | 43.3  |       |
| 170     | 25.1  | 18.6    | 27.8  |       |





#45

1,1'-Biphenyl

Concen: 37.27 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:154 Resp: 1126631

Ion Ratio Lower Upper

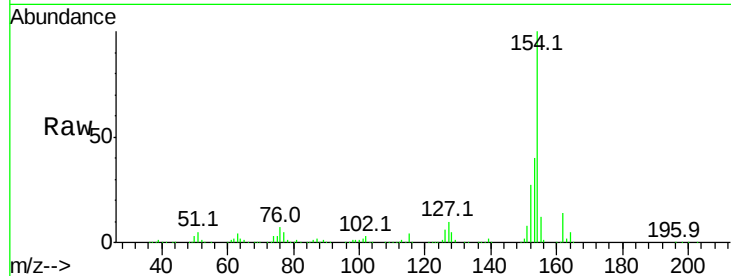
154 100

153 40.4 21.6 61.6

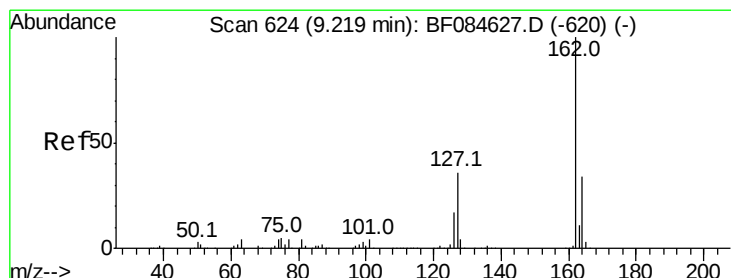
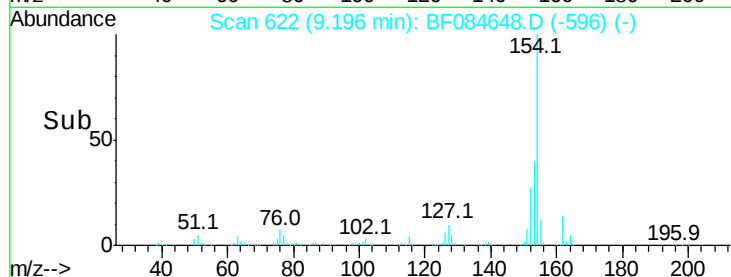
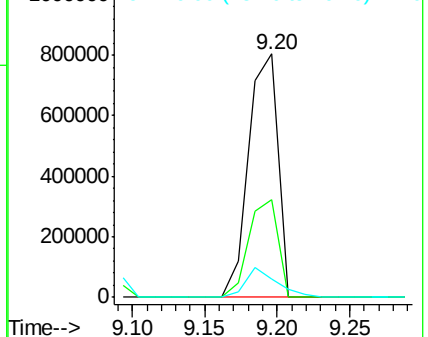
76 7.4 0.0 32.7

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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: 37.94 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

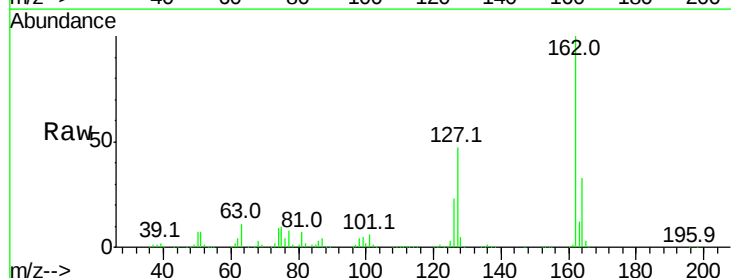
Tgt Ion:162 Resp: 836879

Ion Ratio Lower Upper

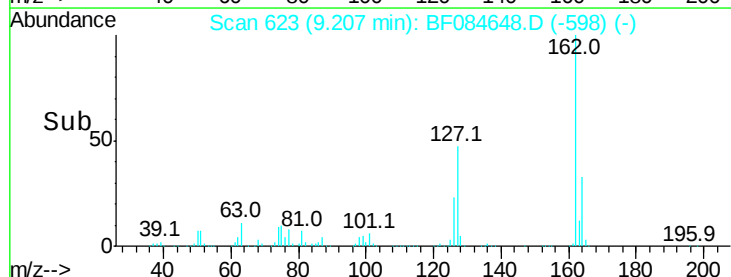
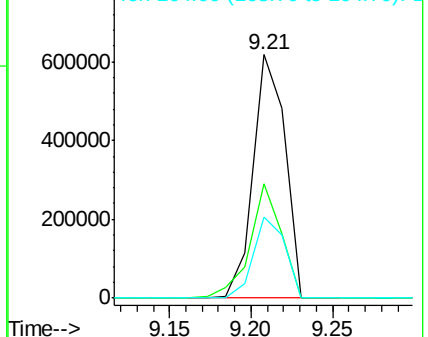
162 100

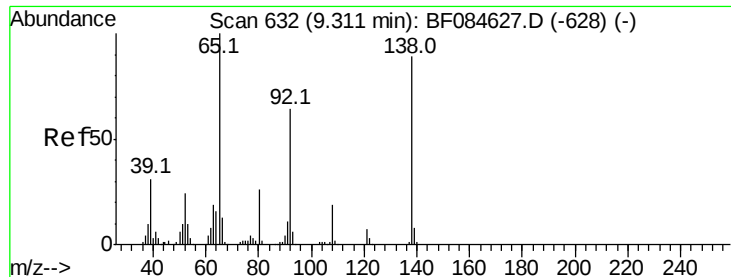
127 46.7 40.2 60.4

164 33.0 25.7 38.5



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: 40.36 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

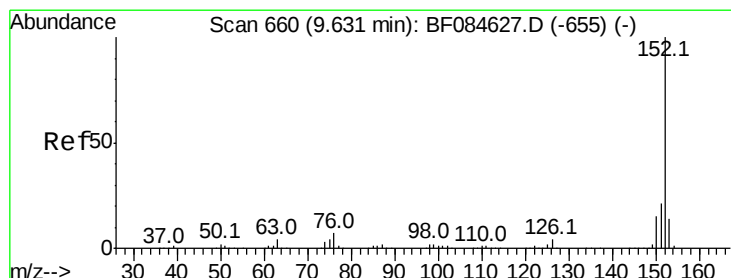
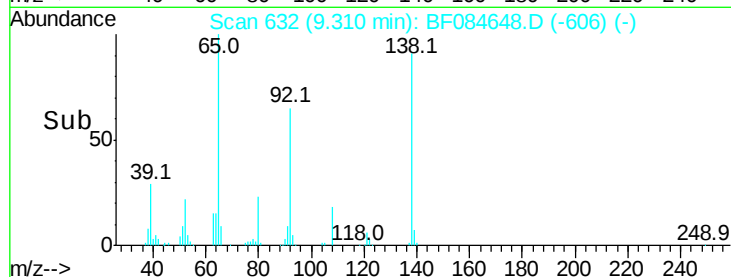
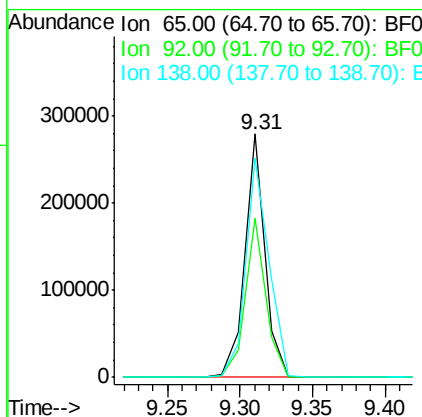
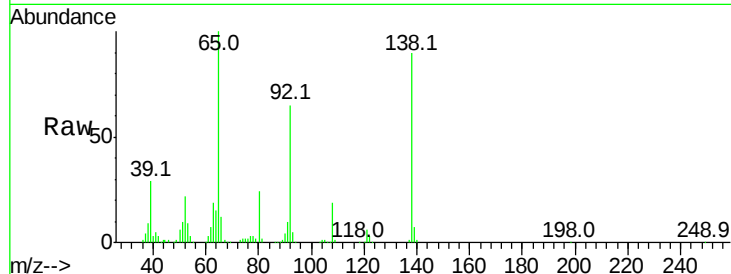
ClientSampleId :

PB88084BS

| Tot Ion | 65    | Resp  | 267329 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 92      | 65.1  | 53.4  | 80.2   |
| 138     | 90.0  | 71.1  | 106.7  |

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#48

Acenaphthylene

Concen: 40.81 ng

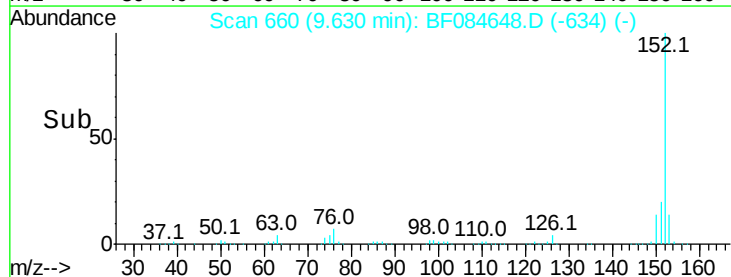
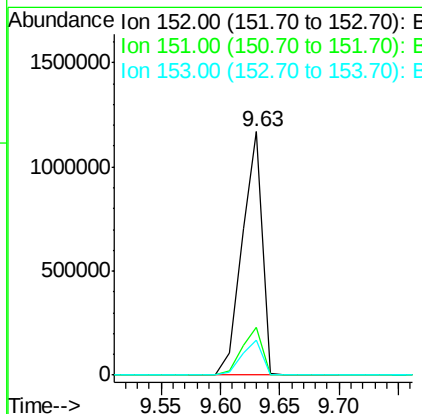
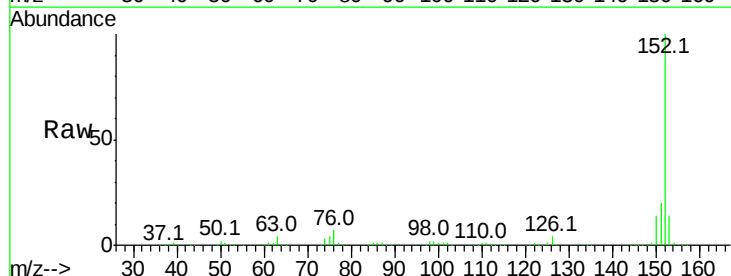
RT: 9.63 min Scan# 660

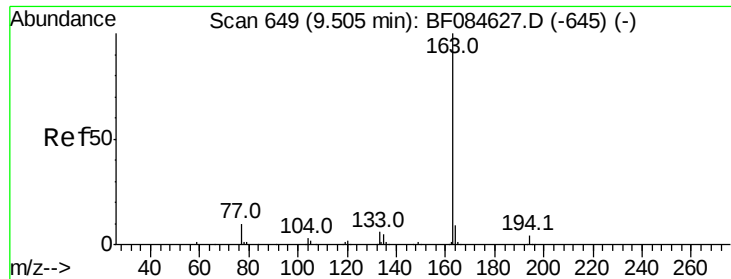
Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

| Tgt Ion | 152   | Resp  | 1363772 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 152     | 100   |       |         |
| 151     | 19.8  | 16.3  | 24.5    |
| 153     | 14.2  | 10.4  | 15.6    |





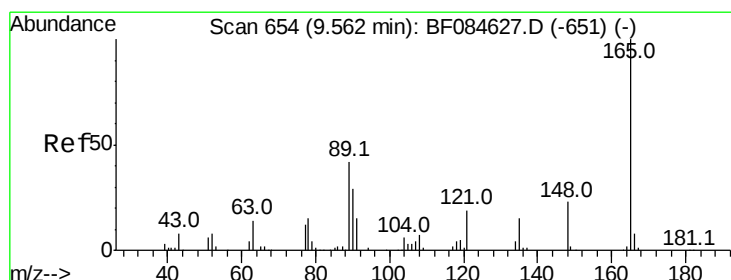
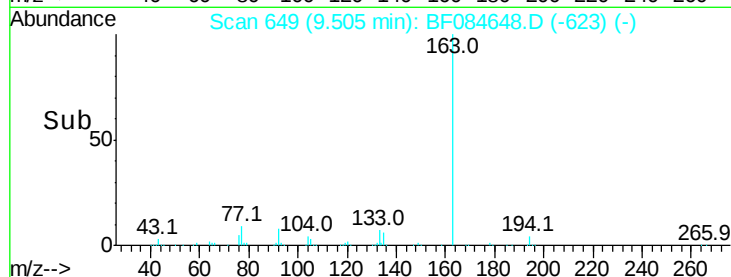
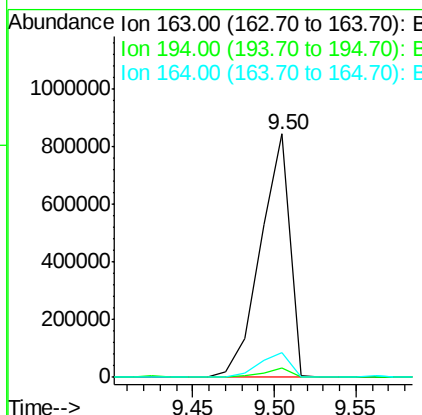
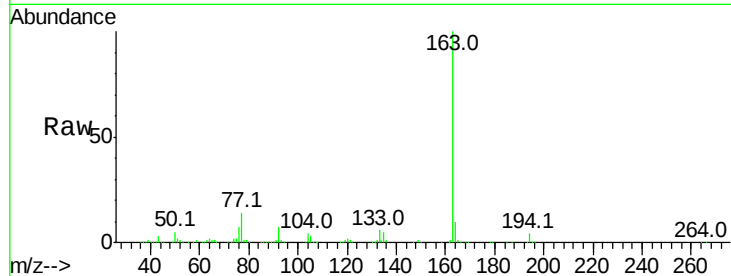
#49  
Dimethylphthalate  
Concen: 42.57 ng  
RT: 9.50 min Scan# 649  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

Tot Ion:163 Resp: 1053993  
Ion Ratio Lower Upper  
163 100  
194 3.7 8.0 12.0#  
164 10.1 8.0 12.0

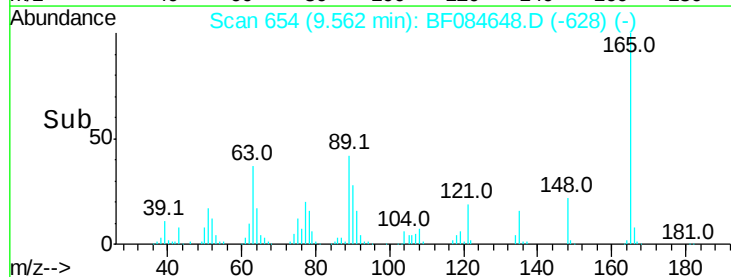
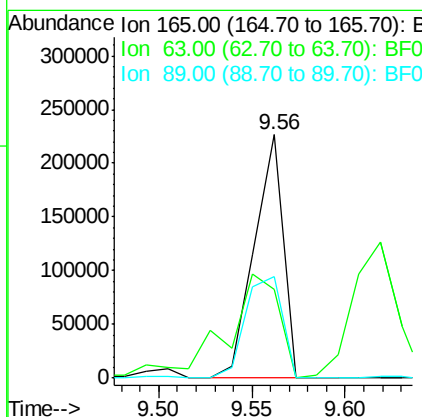
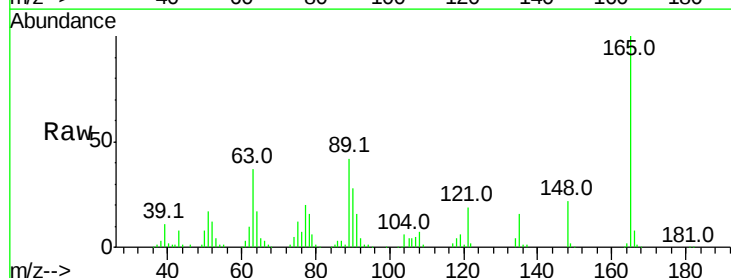
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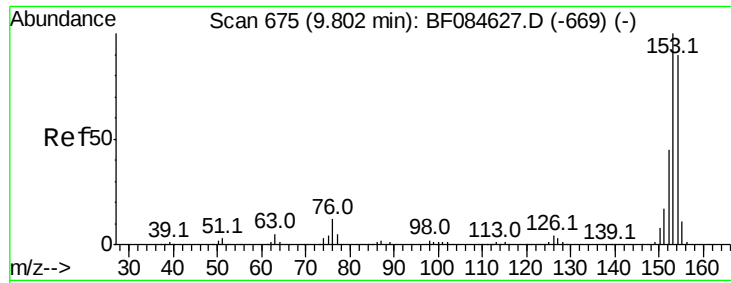
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#50  
2,6-Dinitrotoluene  
Concen: 44.61 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Tgt Ion:165 Resp: 242988  
Ion Ratio Lower Upper  
165 100  
63 36.6 28.8 43.2  
89 41.9 35.1 52.7





#51

Acenaphthene

Concen: 40.08 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

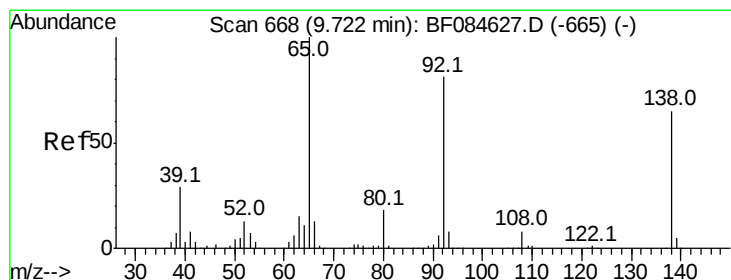
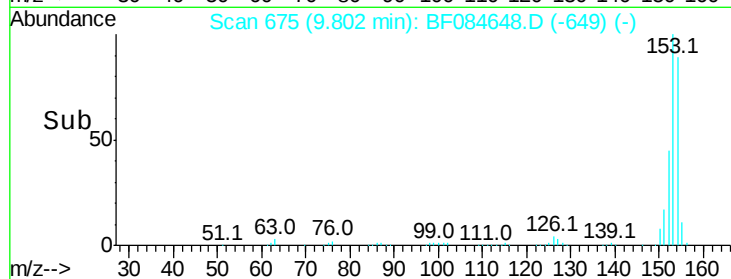
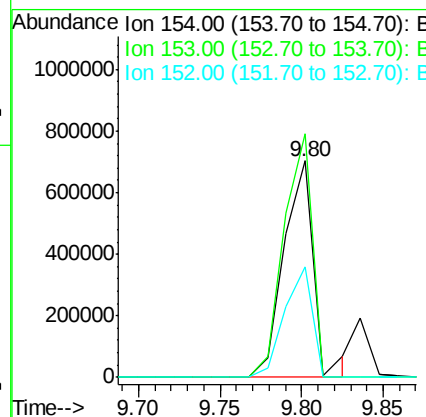
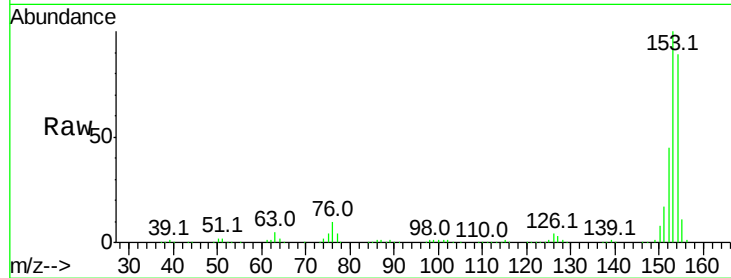
ClientSampleId :

PB88084BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 896893 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.5 | 91.5  | 137.3  |
| 152       | 51.0  | 43.0  | 64.6   |

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#52

3-Nitroaniline

Concen: 15.31 ng

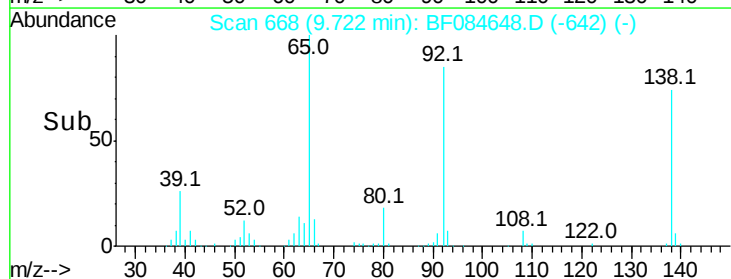
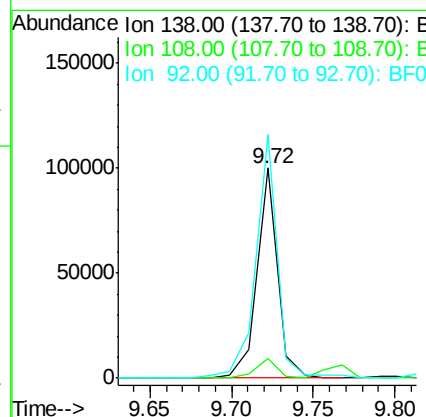
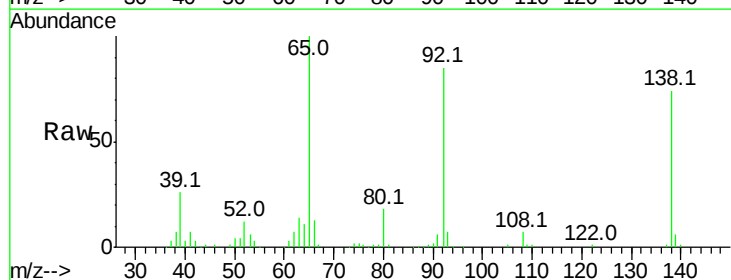
RT: 9.72 min Scan# 668

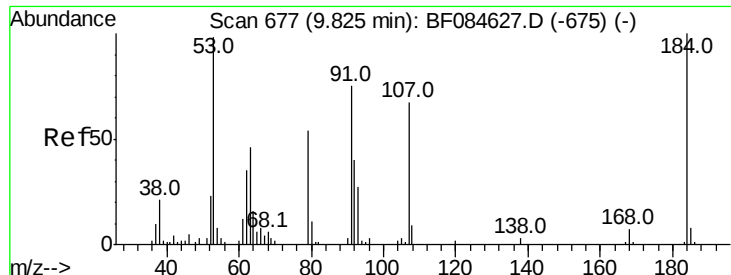
Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 87158 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.6   | 10.5  | 15.7# |
| 92        | 115.8 | 103.9 | 155.9 |





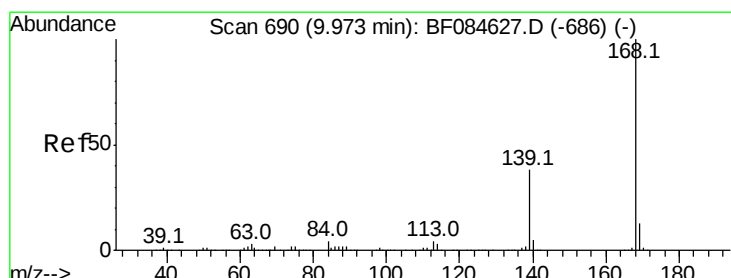
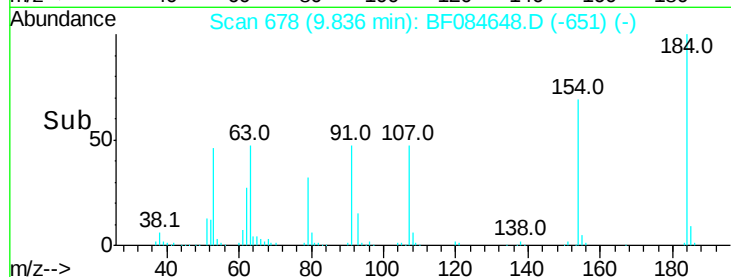
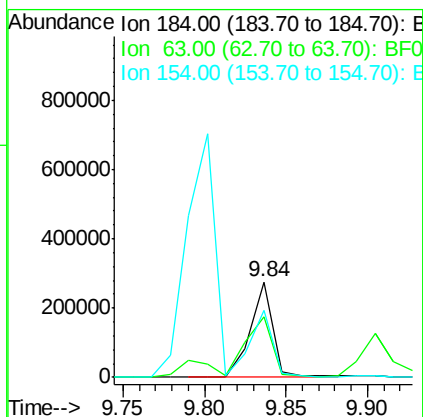
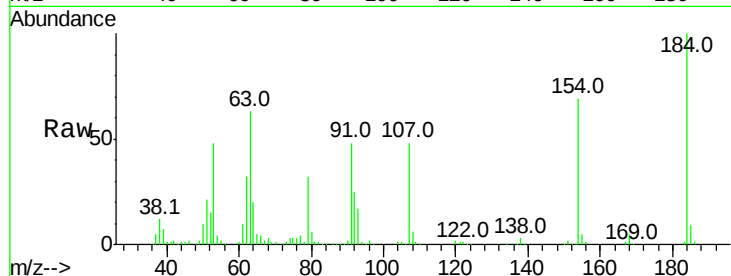
#53  
 2,4-Dinitrophenol  
 Concen: 100.66 ng  
 RT: 9.84 min Scan# 678  
 Delta R.T. 0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 270560 |       |       |
| 63      | 63.0  | 43.1   | 64.7  |       |
| 154     | 69.5  | 60.5   | 90.7  |       |

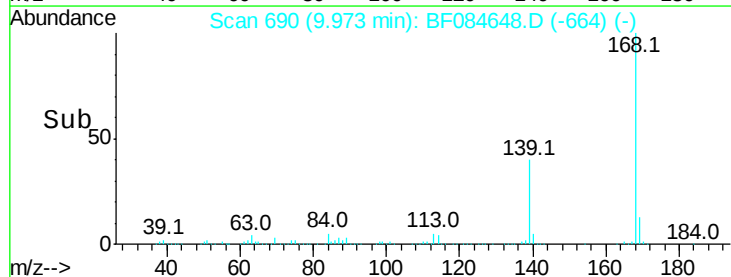
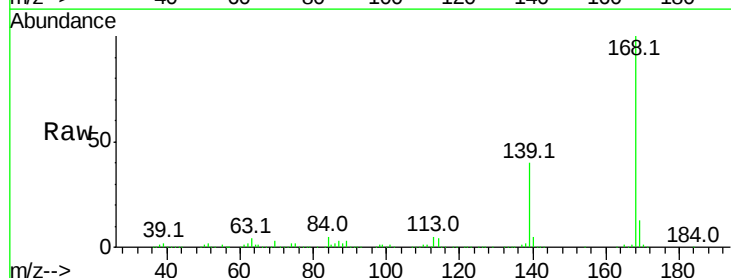
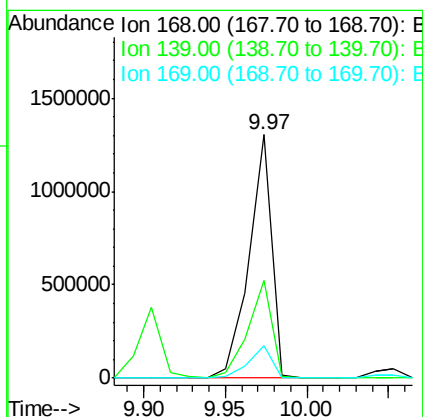
Manual Integrations  
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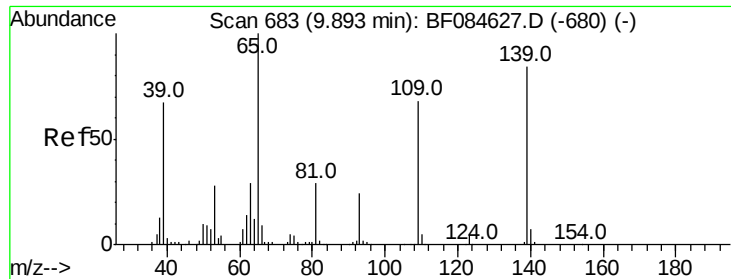
mohammad  
 2/1/2016 2:24:30 PM



#54  
 Dibenzofuran  
 Concen: 46.96 ng  
 RT: 9.97 min Scan# 690  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 168     | 100   | 1254210 |       |       |
| 139     | 40.1  | 30.5    | 45.7  |       |
| 169     | 13.3  | 10.4    | 15.6  |       |





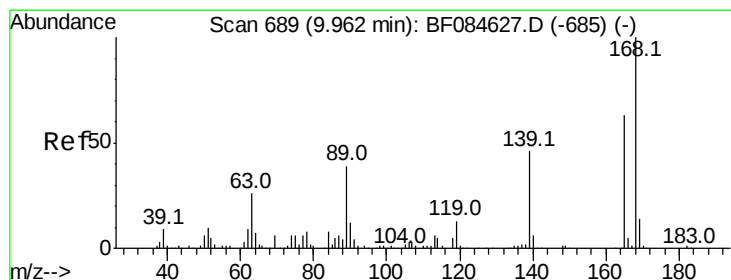
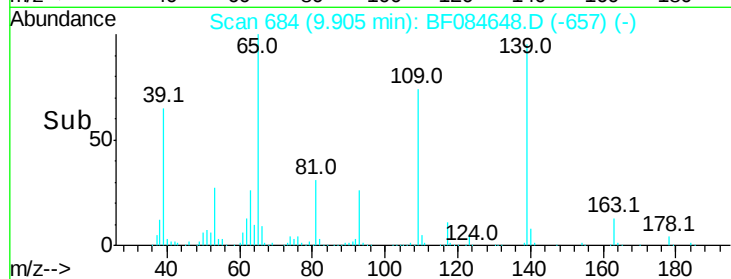
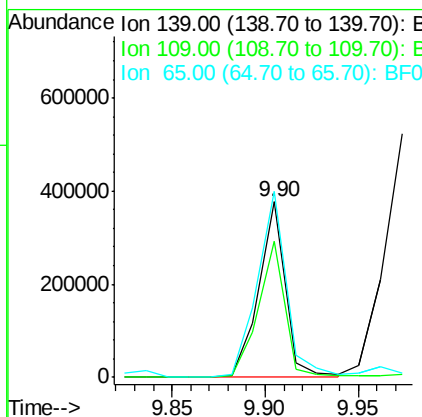
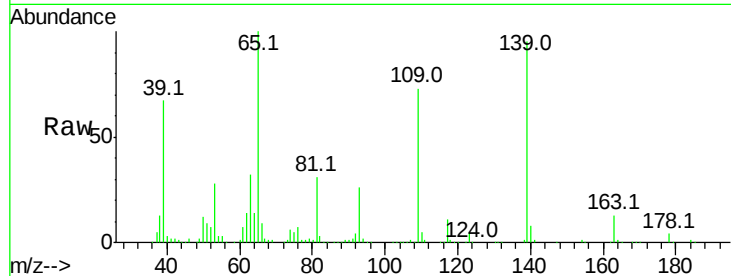
#55  
4-Nitrophenol  
Concen: 88.58 ng  
RT: 9.90 min Scan# 684  
Delta R.T. 0.01 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 77.5  | 58.5 | 98.5  |       |
| 65      | 105.7 | 57.6 | 97.6  |       |

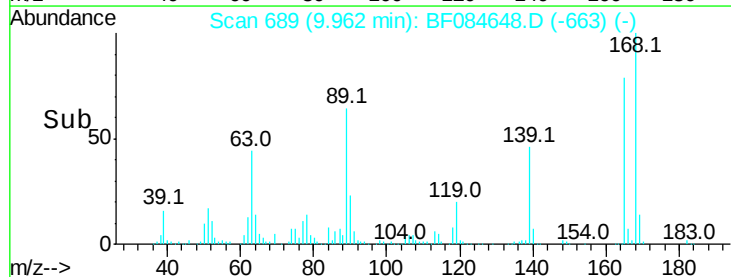
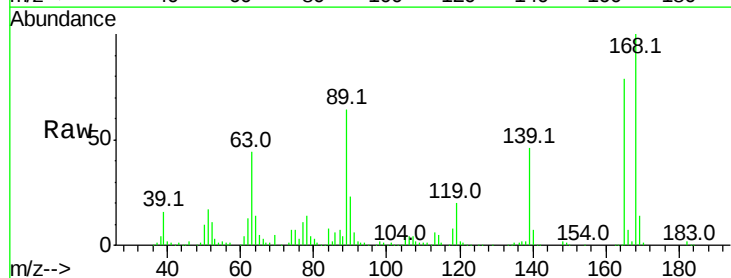
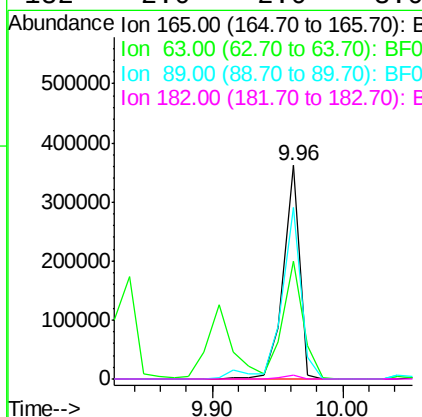
Manual Integrations  
APPROVED

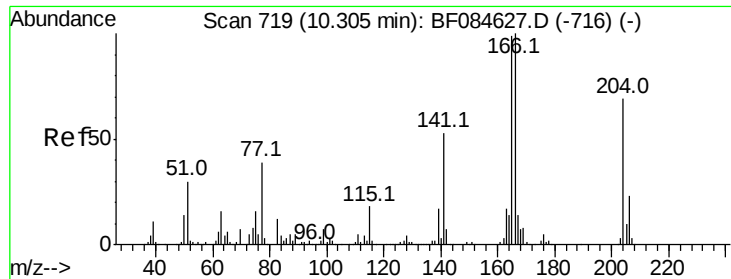
mohammad  
2/1/2016 2:24:30 PM



#56  
2,4-Dinitrotoluene  
Concen: 45.52 ng  
RT: 9.96 min Scan# 689  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 55.2  | 36.7 | 55.1  |       |
| 89      | 80.4  | 61.9 | 92.9  |       |
| 182     | 2.0   | 2.0  | 3.0   |       |





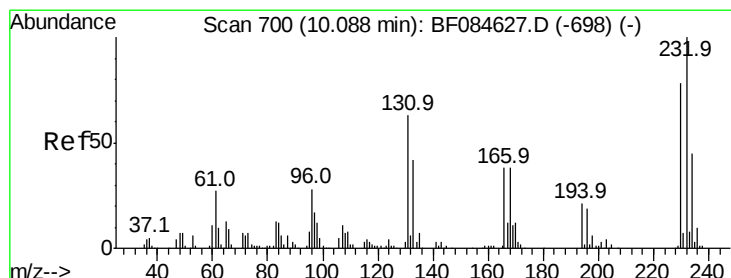
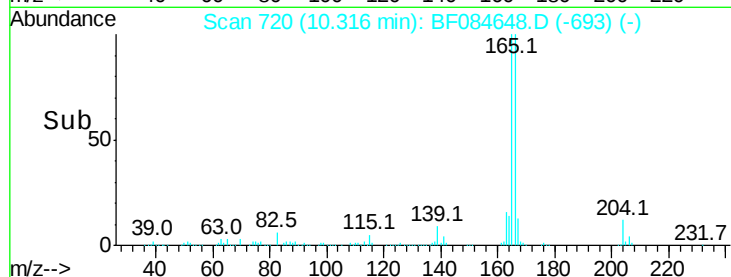
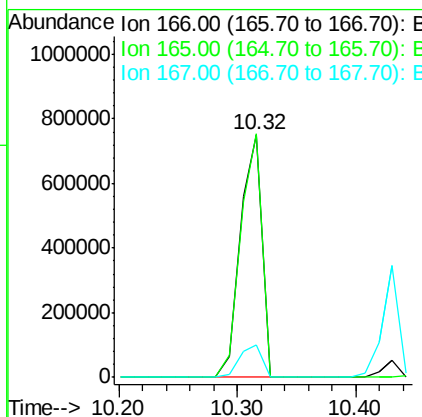
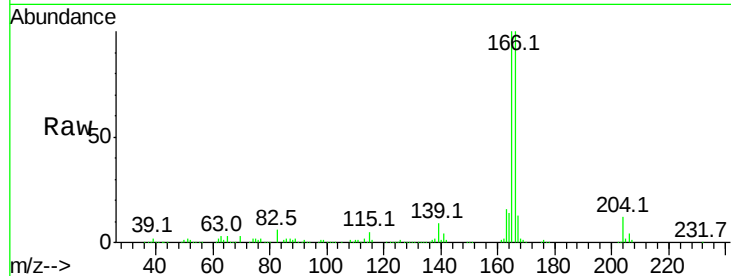
#57  
**Fluorene**  
 Concen: 41.90 ng  
 RT: 10.32 min Scan# 720  
 Delta R.T. 0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 948476 |       |       |
| 165     | 100.4 |        | 79.1  | 118.7 |
| 167     | 13.4  |        | 10.4  | 15.6  |

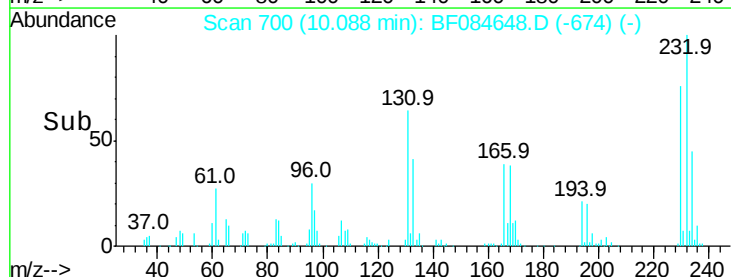
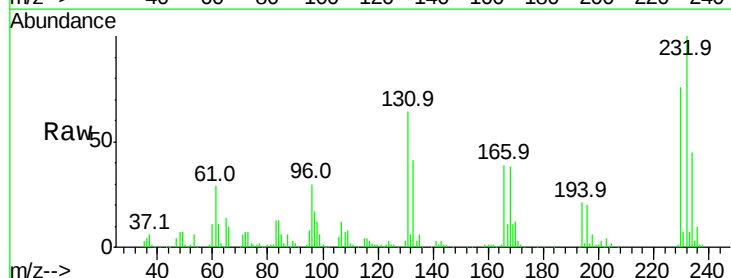
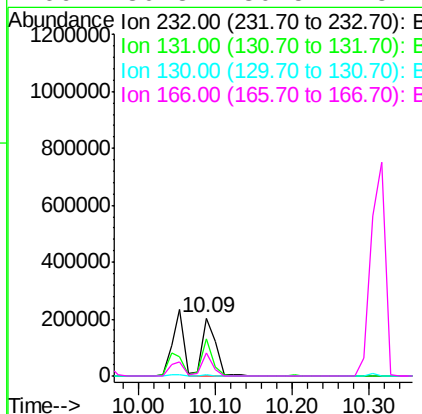
Manual Integrations  
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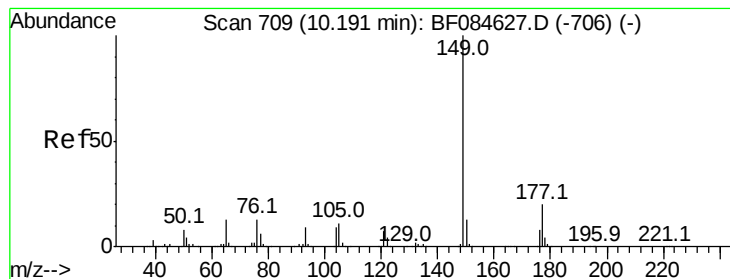
mohammad  
 2/1/2016 2:24:30 PM



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 47.77 ng  
 RT: 10.09 min Scan# 700  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 247796 |       |       |
| 131     | 50.6  |        | 47.0  | 70.6  |
| 130     | 2.4   |        | 2.0   | 3.0   |
| 166     | 30.8  |        | 30.5  | 45.7  |





#59

Diethylphthalate

Concen: 43.60 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:149 Resp: 1056614

Ion Ratio Lower Upper

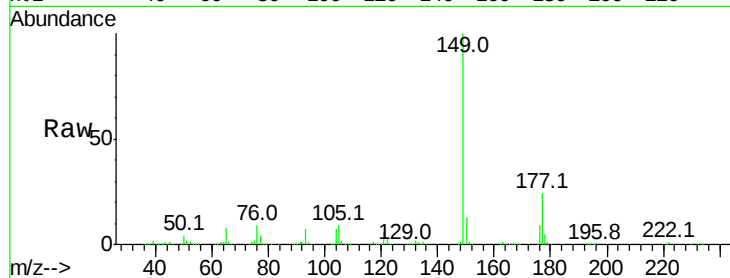
149 100

177 23.7 17.3 25.9

150 12.5 9.8 14.8

Manual Integrations  
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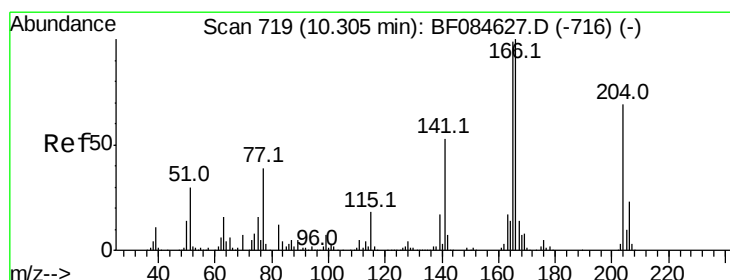
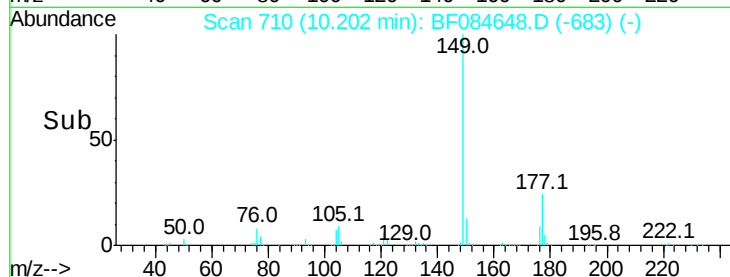
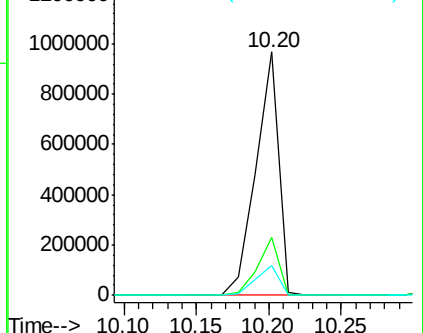
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.82 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

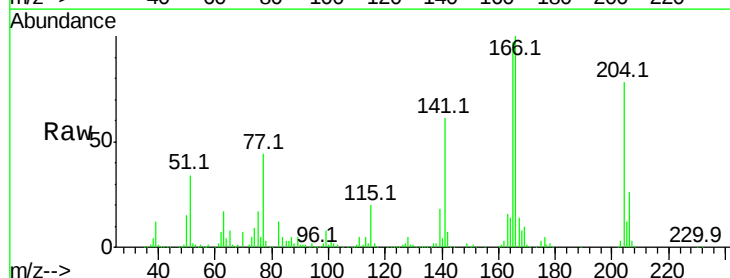
Tgt Ion:204 Resp: 394515

Ion Ratio Lower Upper

204 100

206 33.0 25.7 38.5

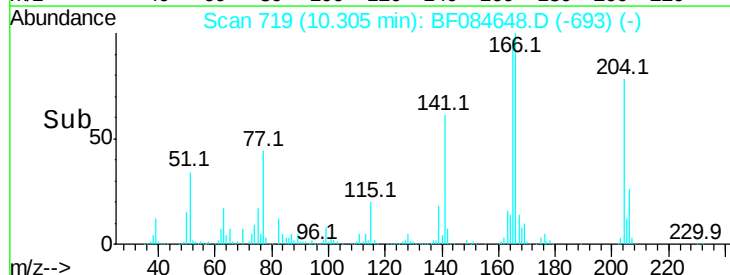
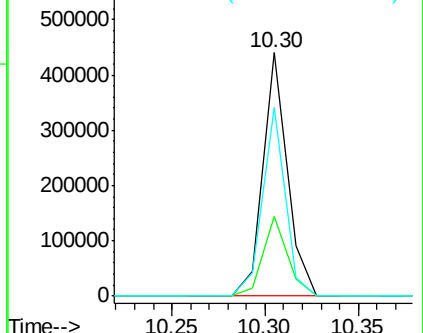
141 77.7 55.1 82.7

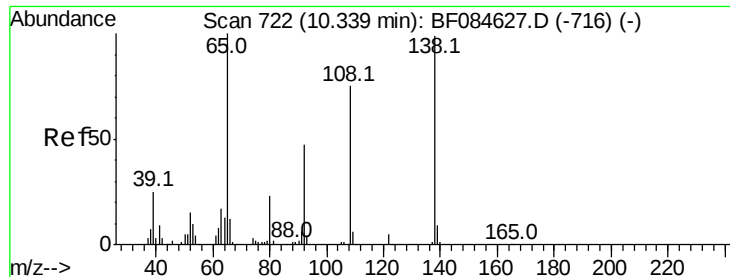


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 42.44 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:138 Resp: 228671

Ion Ratio Lower Upper

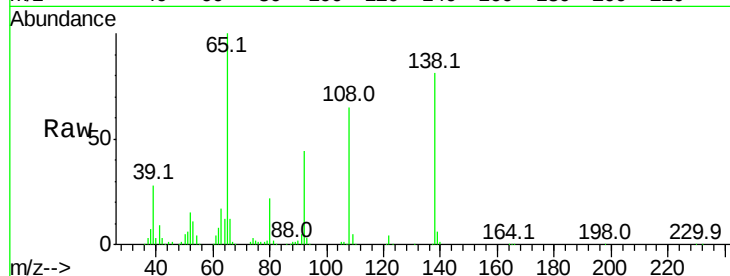
138 100

92 54.0 32.6 72.6

108 79.9 68.6 108.6

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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

250000

200000

150000

100000

50000

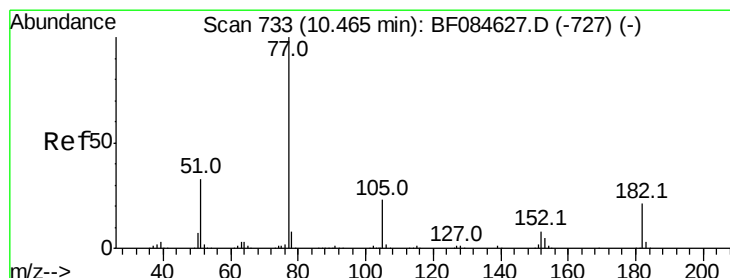
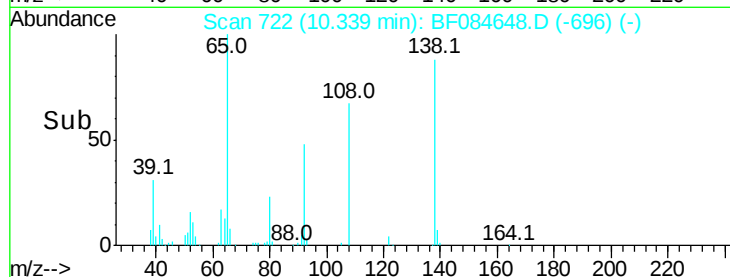
0

10.30

10.34

10.40

Time-->



#62

Azobenzene

Concen: 45.51 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Tgt Ion: 77 Resp: 1055639

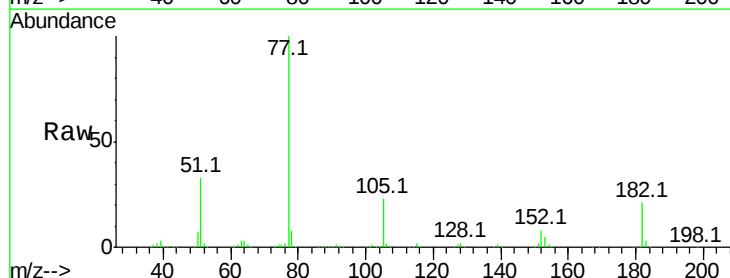
Ion Ratio Lower Upper

77 100

182 20.8 8.3 48.3

105 23.4 4.6 44.6

51 33.4 6.2 46.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

1500000

1000000

500000

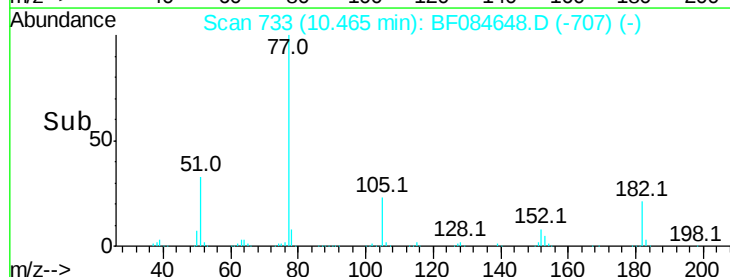
0

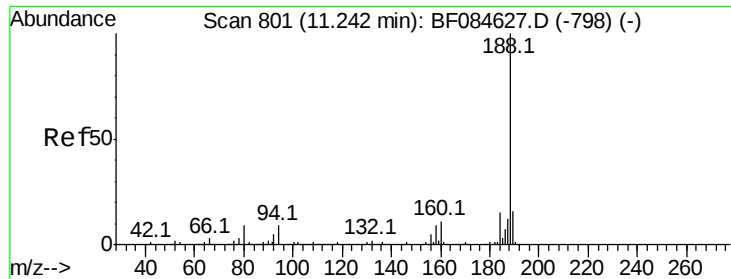
10.40

10.46

10.50

Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

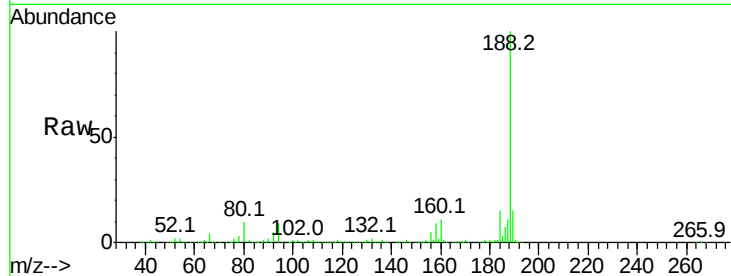
ClientSampleId :

PB88084BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 634360 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.1   | 9.0   | 13.4   |
| 80        | 9.8   | 9.6   | 14.4   |

Manual Integrations  
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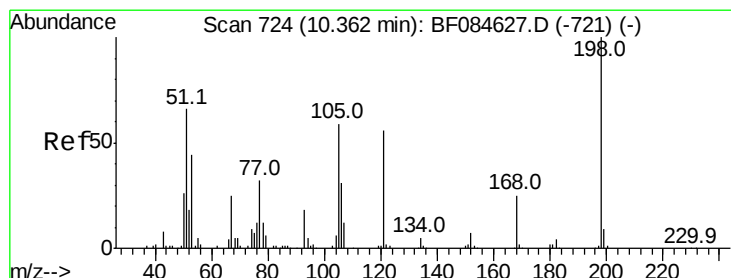
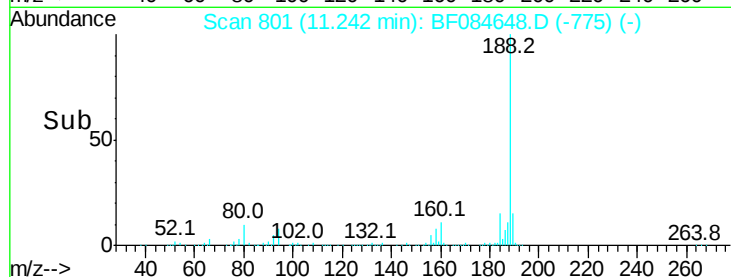
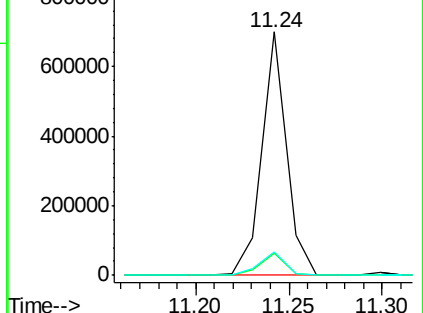
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 42.77 ng

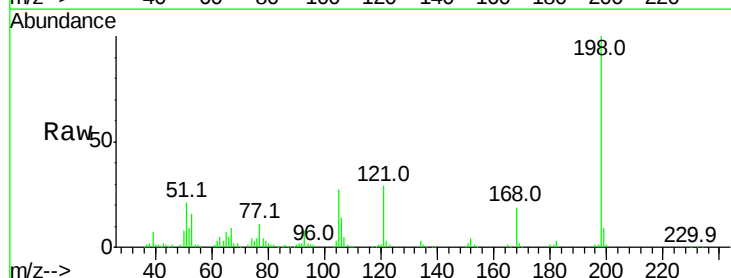
RT: 10.37 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

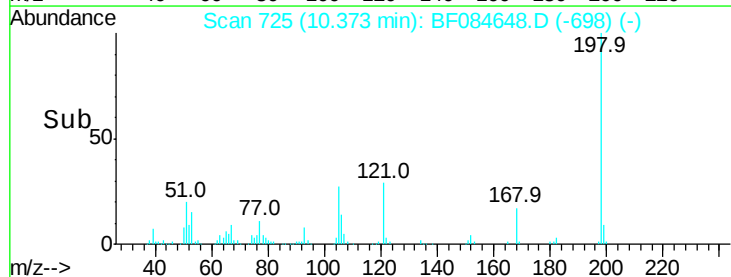
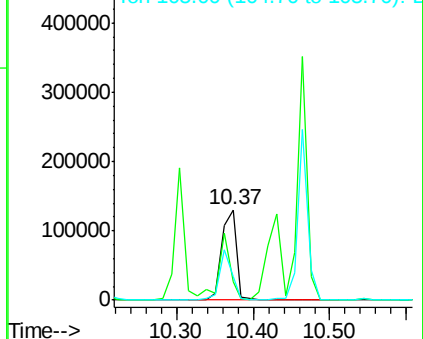
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 198   | Resp: | 177194 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 20.5  | 18.9  | 58.9   |
| 105       | 26.5  | 26.4  | 66.4   |

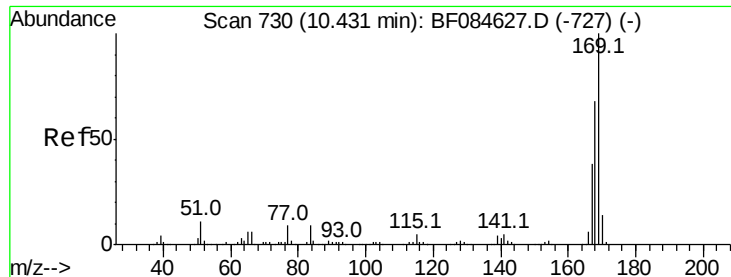


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 42.64 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

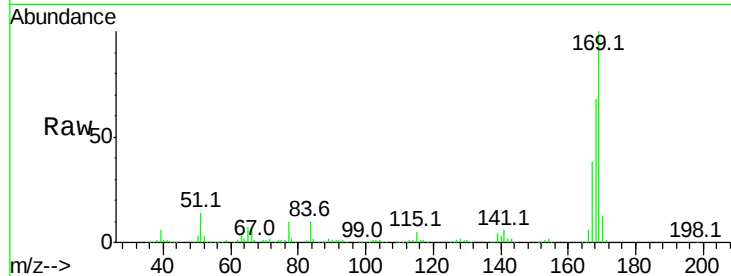
ClientSampleId :

PB88084BS

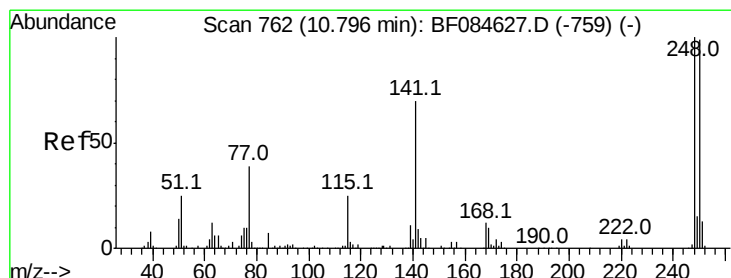
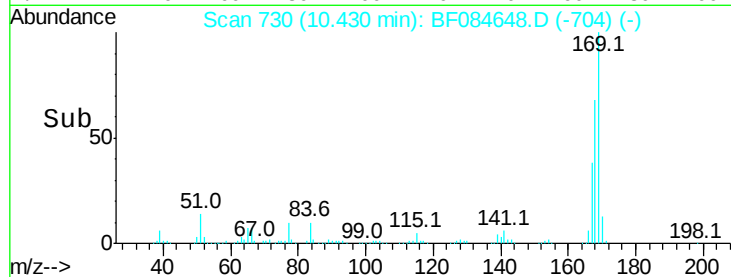
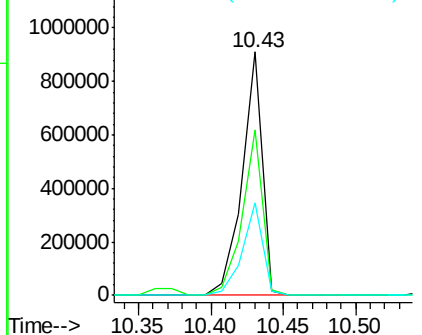
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 169   | Resp: | 877051 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.0  | 55.1  | 82.7   |
| 167       | 37.9  | 30.0  | 45.0   |

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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: 42.66 ng

RT: 10.80 min Scan# 762

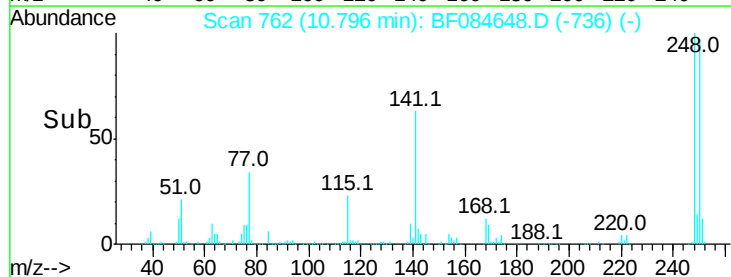
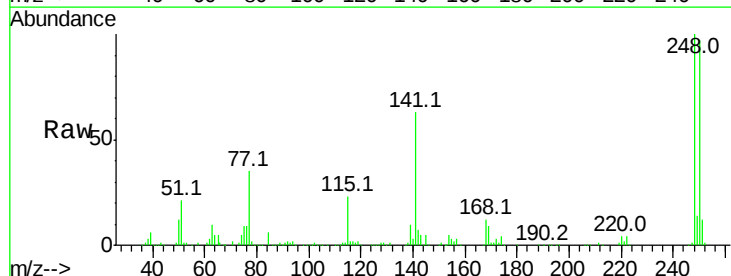
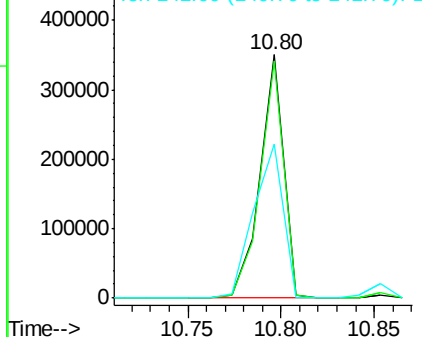
Delta R.T. -0.00 min

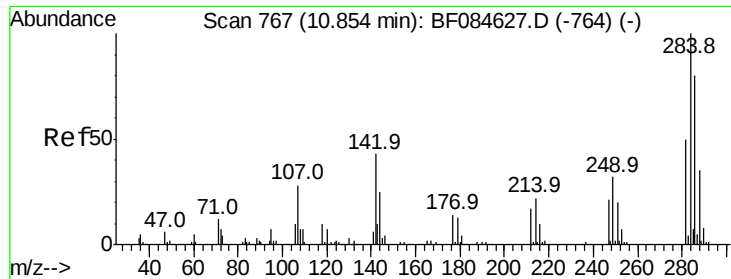
Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 304753 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 97.3  | 78.4  | 117.6  |
| 141       | 63.1  | 44.0  | 66.0   |

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: 37.76 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

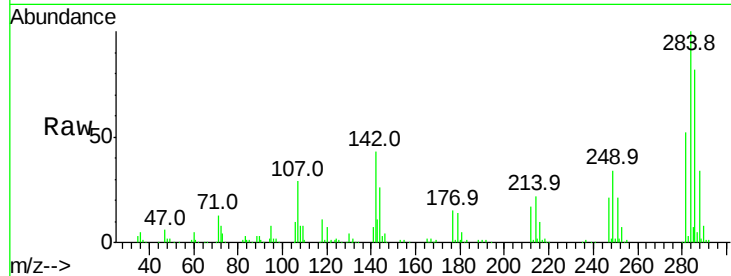
ClientSampleId :

PB88084BS

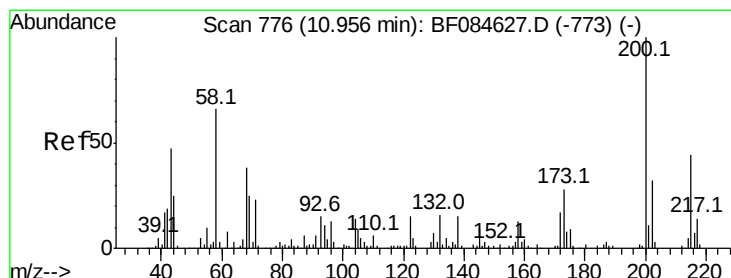
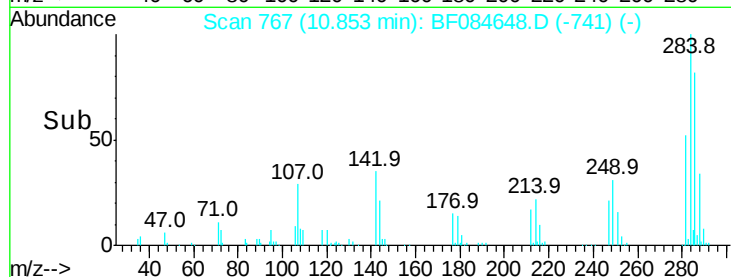
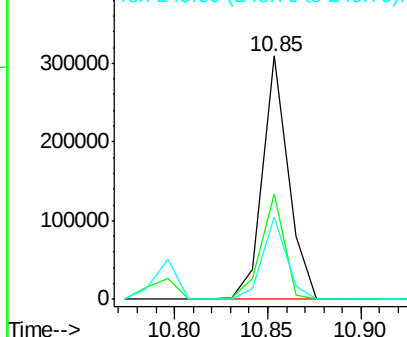
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 293427 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 43.4  | 22.2  | 33.4#  |
| 249       | 33.6  | 24.6  | 37.0   |

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Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 41.52 ng

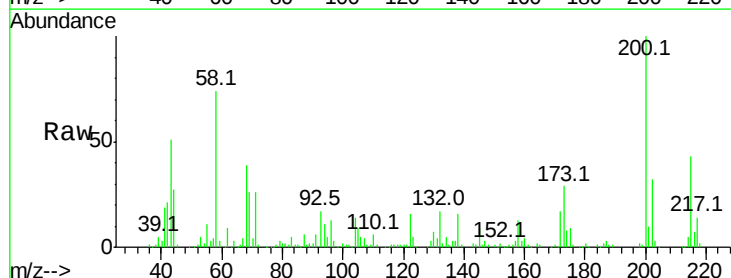
RT: 10.96 min Scan# 776

Delta R.T. -0.00 min

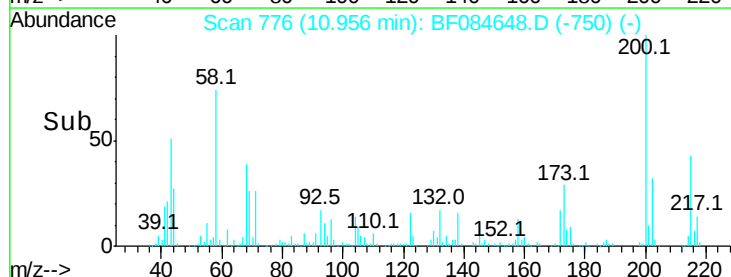
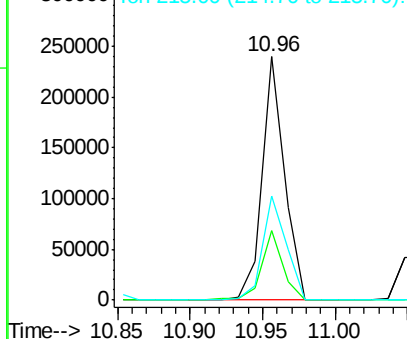
Lab File: BF084648.D

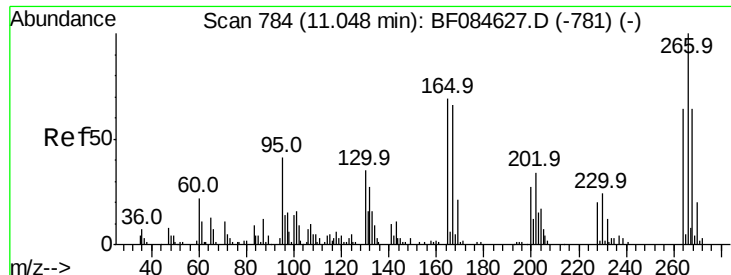
Acq: 29 Jan 2016 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 255905 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 28.6  | 9.5   | 49.5   |
| 215       | 42.7  | 23.8  | 63.8   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





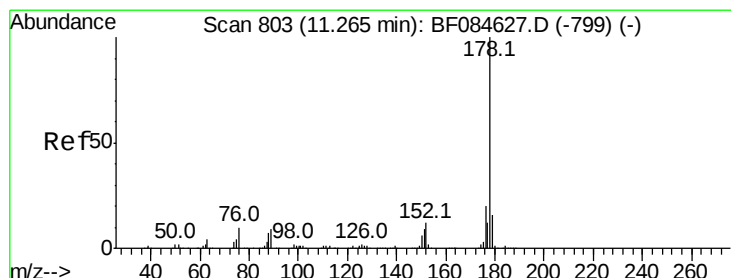
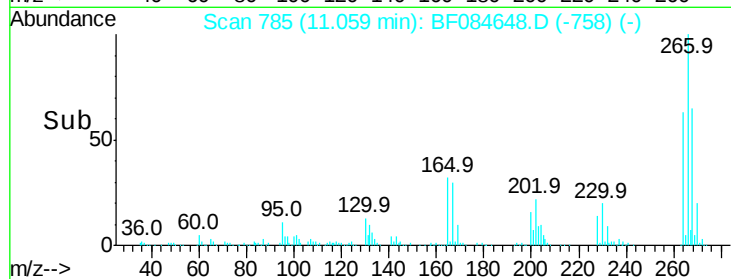
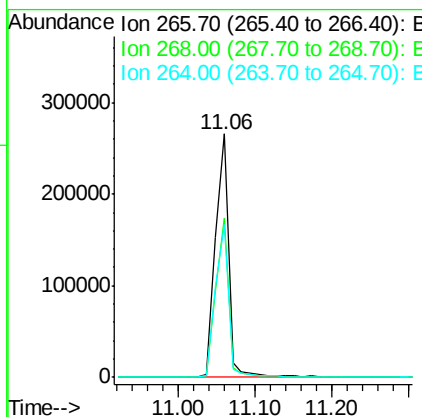
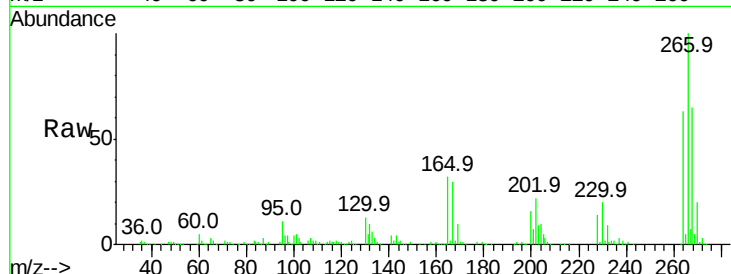
#69  
 Pentachlorophenol  
 Concen: 84.77 ng  
 RT: 11.06 min Scan# 785  
 Delta R.T. 0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 318283 |       |       |
| 268     | 65.2  |        | 52.4  | 78.6  |
| 264     | 62.9  |        | 50.2  | 75.2  |

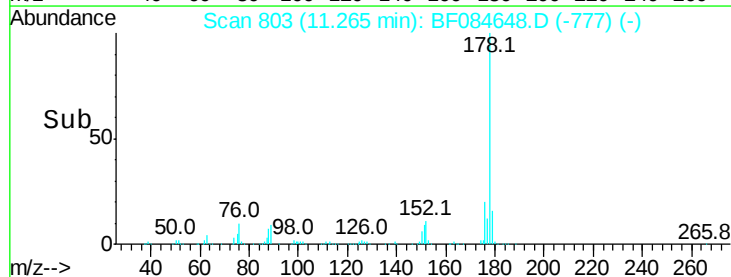
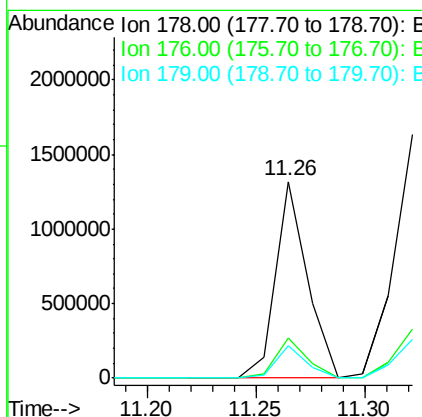
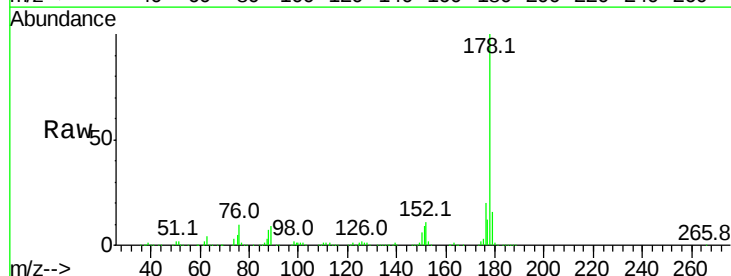
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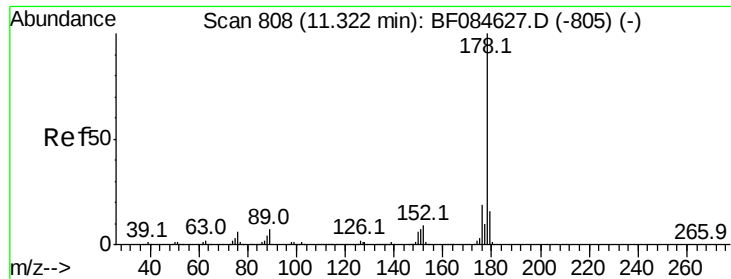
mohammad  
 2/1/2016 2:24:30 PM



#70  
 Phenanthrene  
 Concen: 38.37 ng  
 RT: 11.26 min Scan# 803  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1345974 |       |       |
| 176     | 20.1  |         | 15.3  | 22.9  |
| 179     | 16.3  |         | 12.0  | 18.0  |





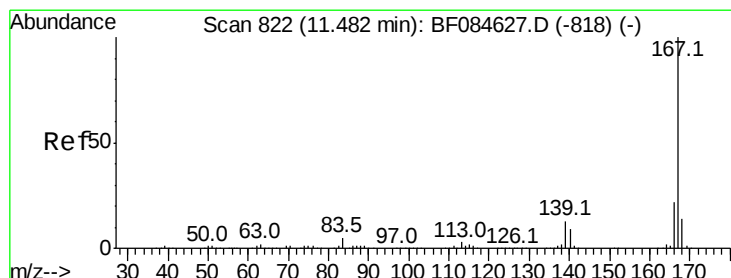
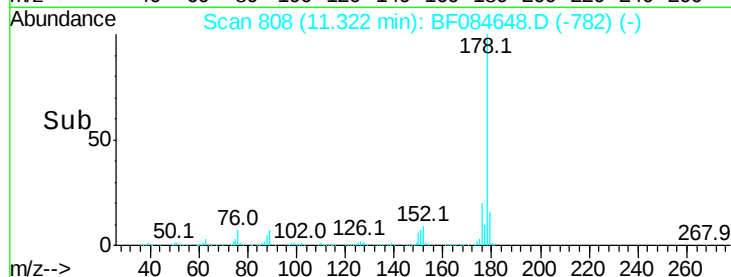
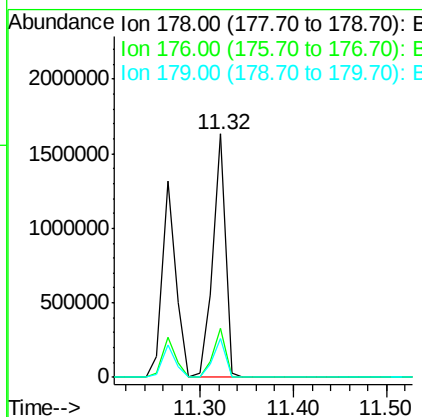
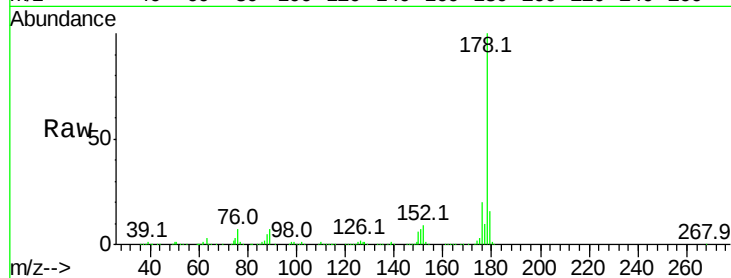
#71  
 Anthracene  
 Concen: 43.31 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

Tot Ion:178 Resp: 1544625  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 15.4 23.0  
 179 16.1 12.5 18.7

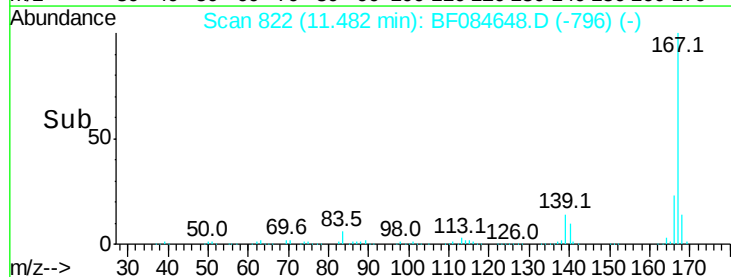
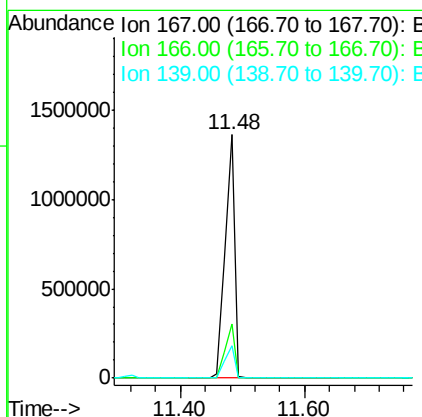
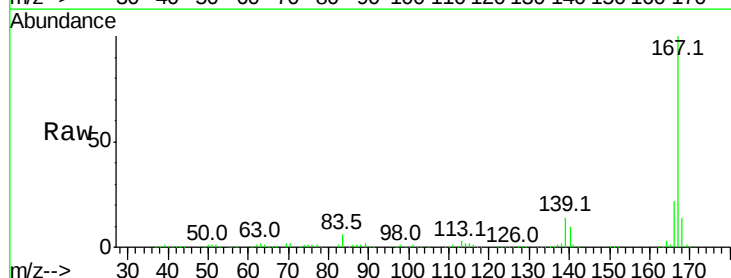
Manual Integrations  
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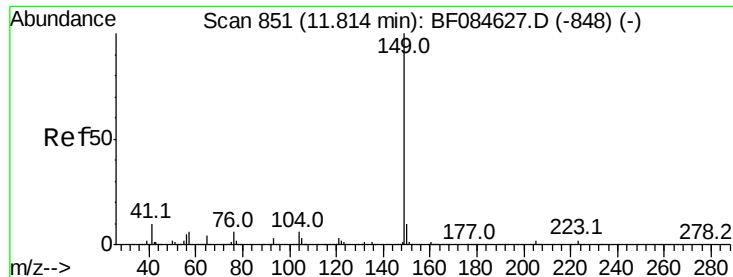
mohammad  
 2/1/2016 2:24:30 PM



#72  
 Carbazole  
 Concen: 46.27 ng  
 RT: 11.48 min Scan# 822  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Tgt Ion:167 Resp: 1422273  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 17.6 26.4  
 139 13.5 11.8 17.8





#73

Di-n-butylphthalate

Concen: 38.97 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:149 Resp: 1456685

Ion Ratio Lower Upper

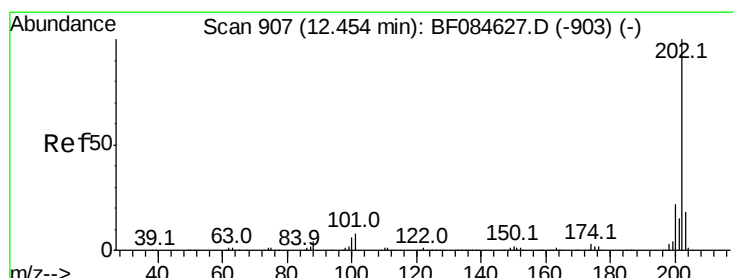
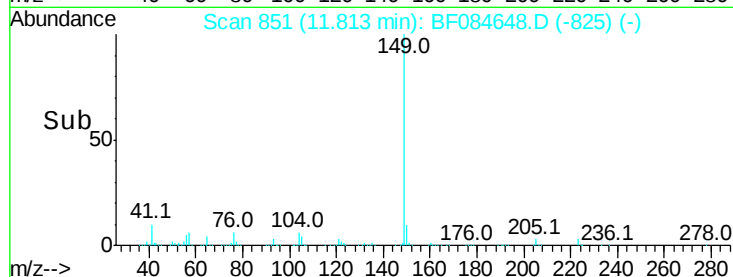
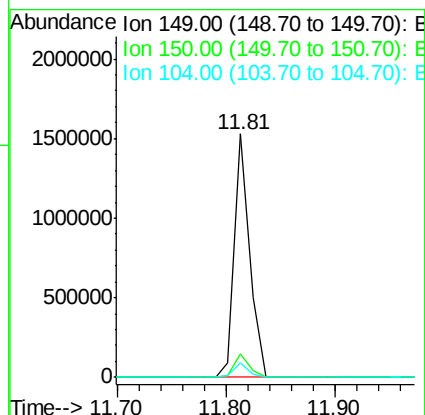
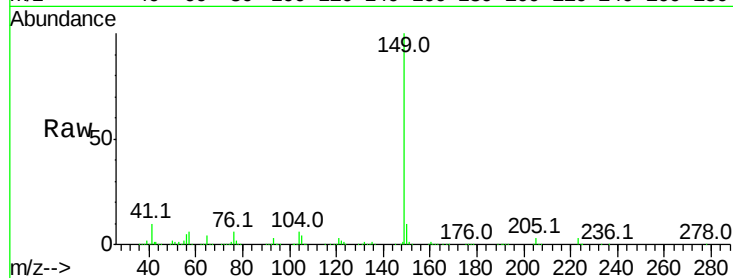
149 100

150 9.7 7.1 10.7

104 5.9 3.2 4.8#

Manual Integrations  
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#74

Fluoranthene

Concen: 46.47 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

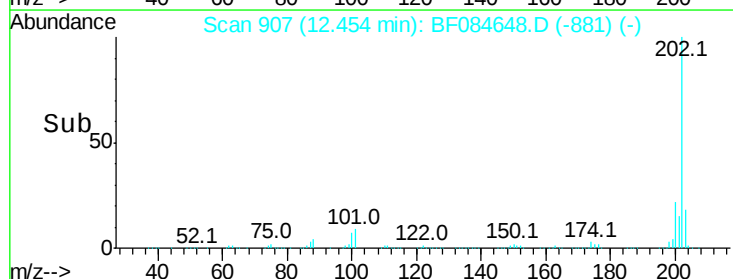
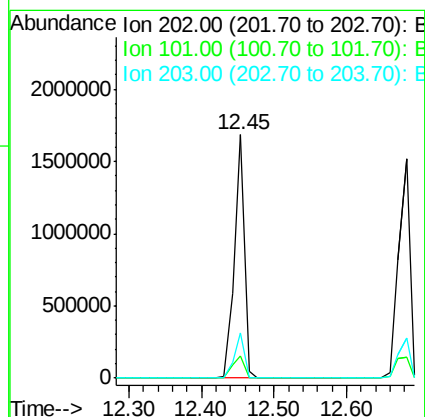
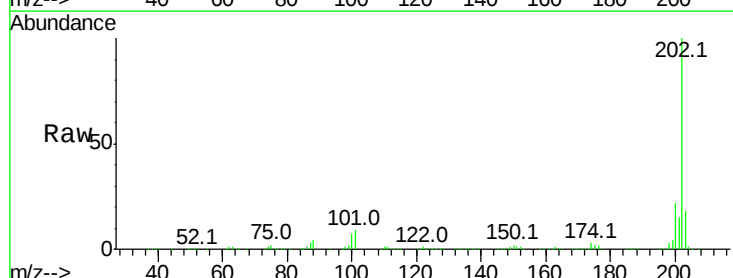
Tgt Ion:202 Resp: 1611709

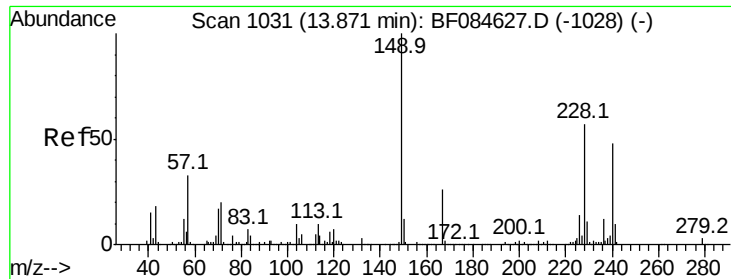
Ion Ratio Lower Upper

202 100

101 9.0 0.0 32.8

203 18.5 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:240 Resp: 514077

Ion Ratio Lower Upper

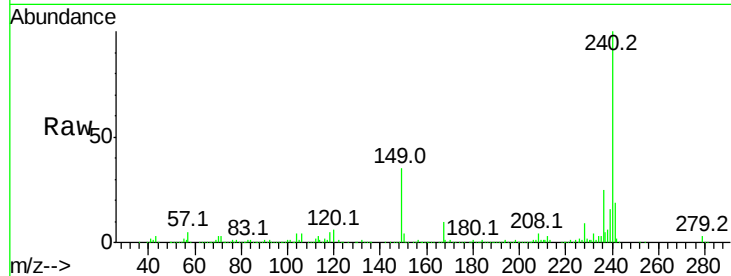
240 100

120 6.1 9.5 14.3#

236 25.4 20.6 31.0

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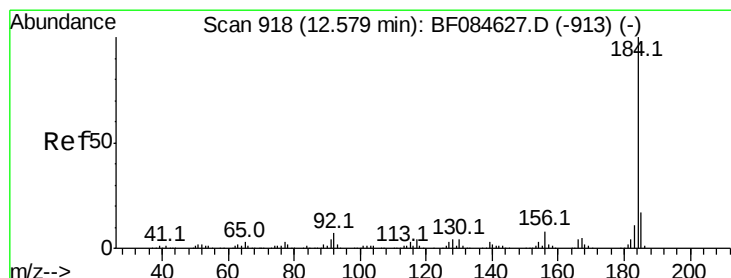
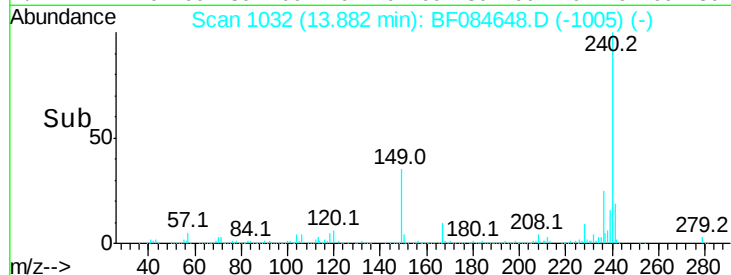
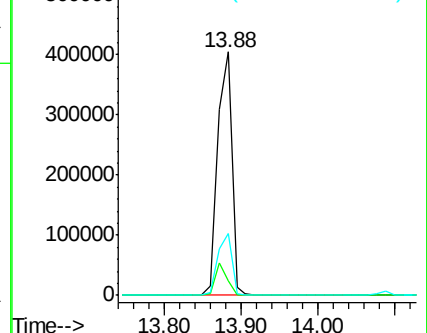
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 32.07 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

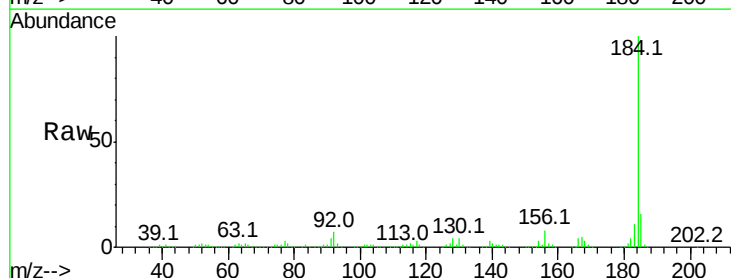
Tgt Ion:184 Resp: 626940

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

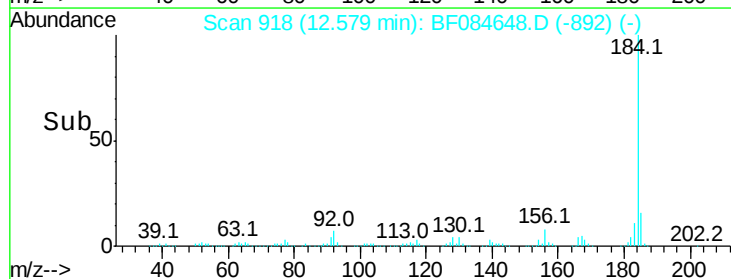
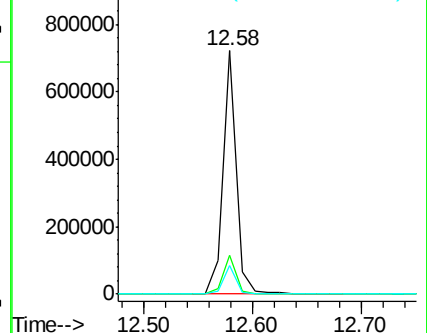
183 11.5 9.8 14.8

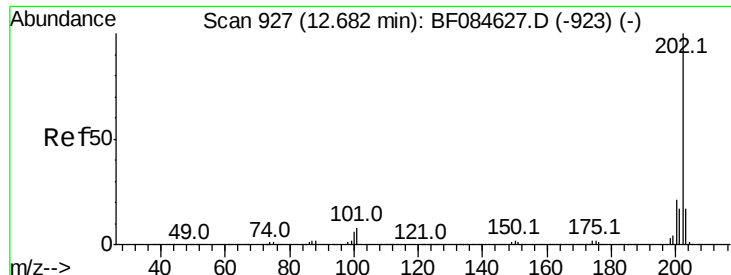


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 42.64 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

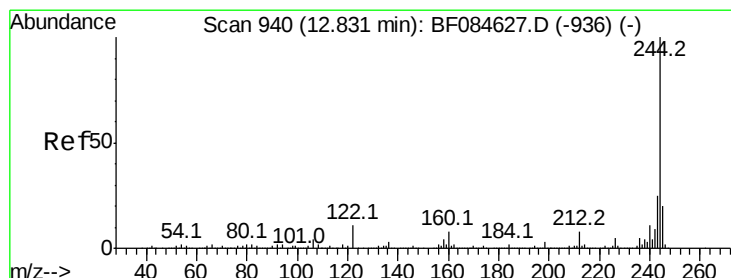
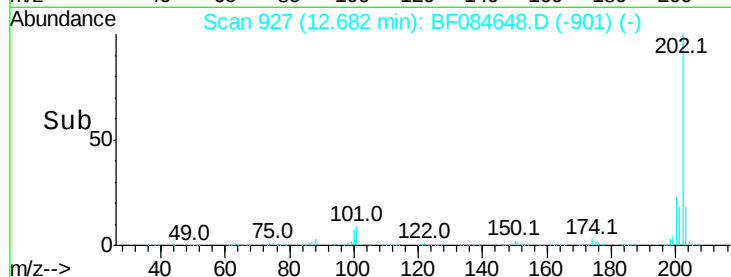
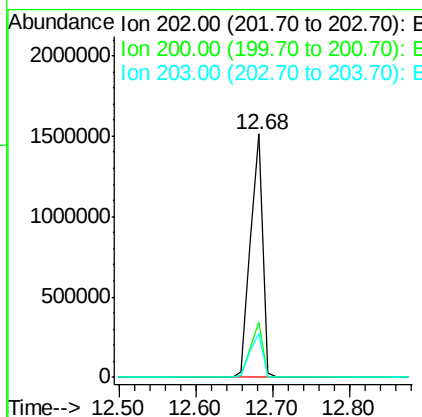
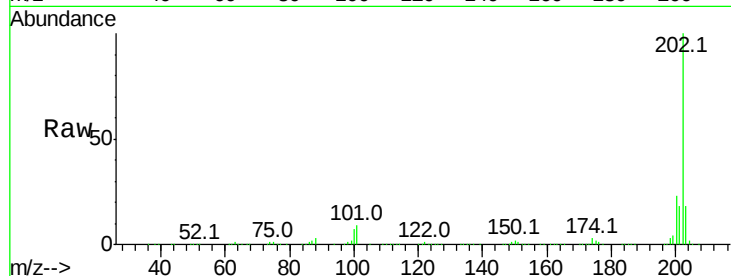
ClientSampleId :

PB88084BS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1653404 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.7  | 17.2  | 25.8    |
| 203       | 18.3  | 14.3  | 21.5    |

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#78

Terphenyl-d14

Concen: 79.20 ng

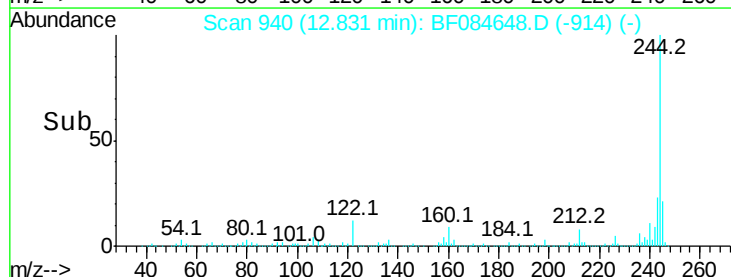
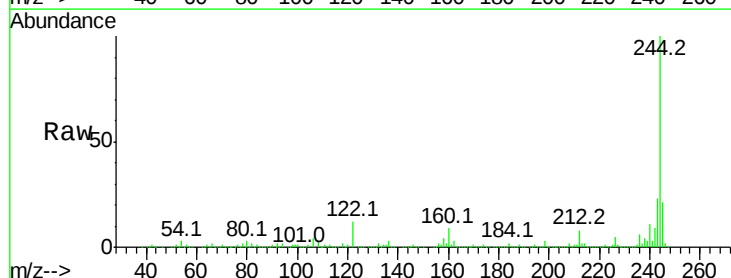
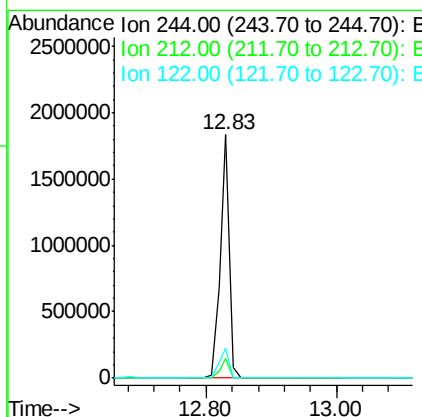
RT: 12.83 min Scan# 940

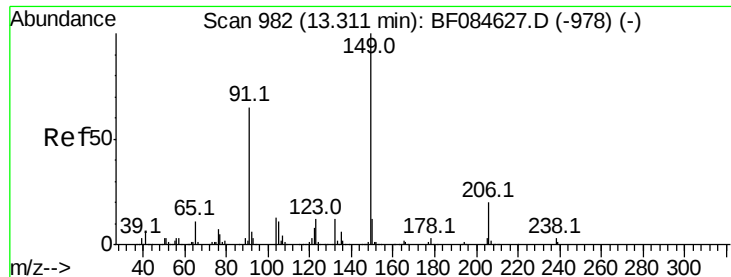
Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1802653 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 7.9   | 5.7   | 8.5     |
| 122       | 12.3  | 7.4   | 11.0#   |





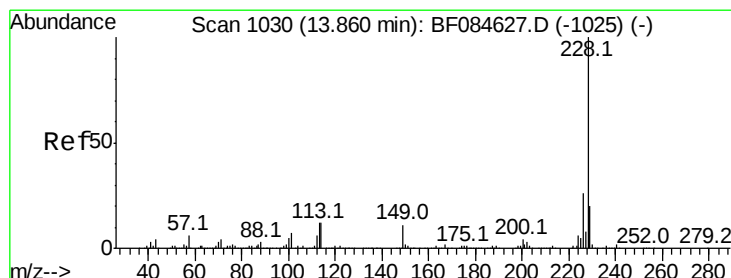
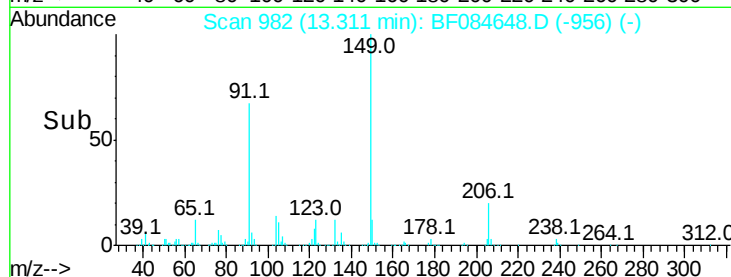
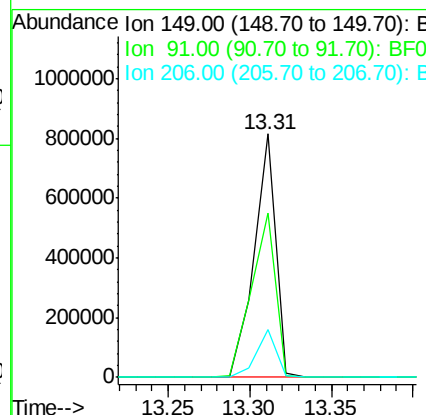
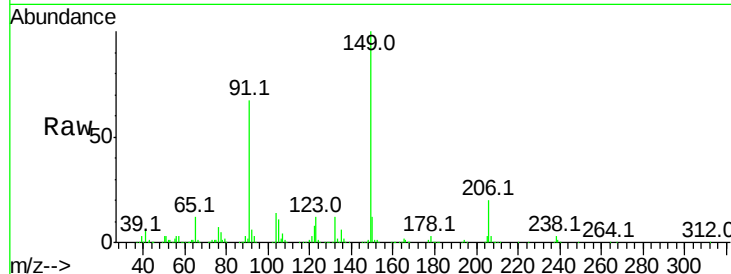
#79  
Butylbenzylphthalate  
Concen: 45.35 ng  
RT: 13.31 min Scan# 982  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 751227 |       |       |
| 91      | 67.4  | 57.6   | 86.4  |       |
| 206     | 19.8  | 13.2   | 19.8  |       |

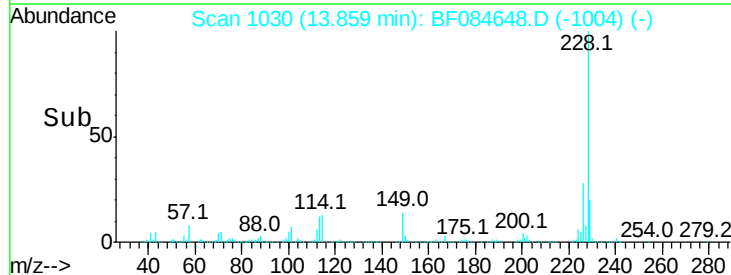
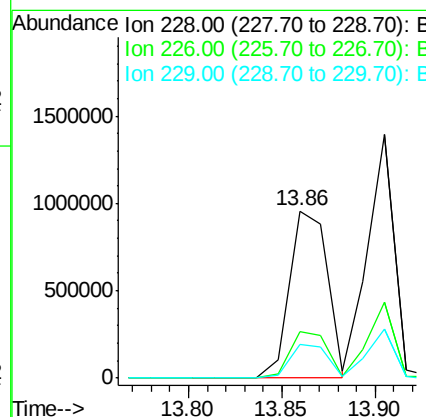
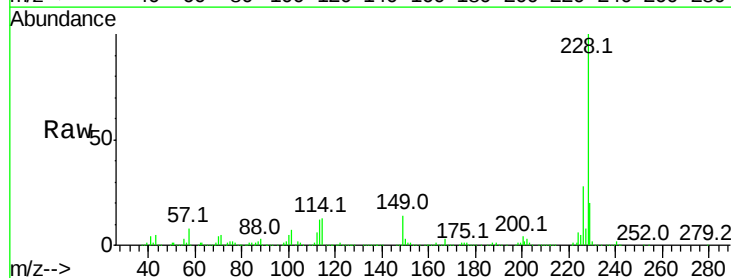
Manual Integrations  
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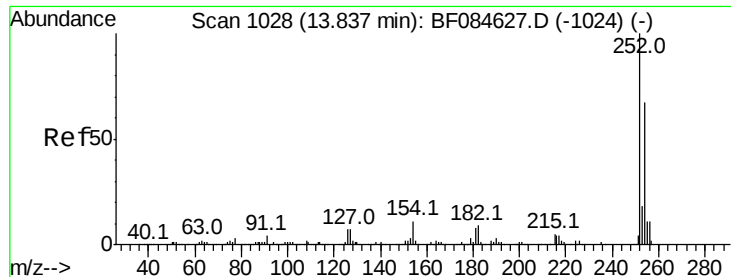
mohammad  
2/1/2016 2:24:30 PM



#80  
Benzo(a)anthracene  
Concen: 42.25 ng  
RT: 13.86 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 228     | 100   | 1354013 |       |       |
| 226     | 27.9  | 21.8    | 32.6  |       |
| 229     | 20.3  | 15.8    | 23.8  |       |





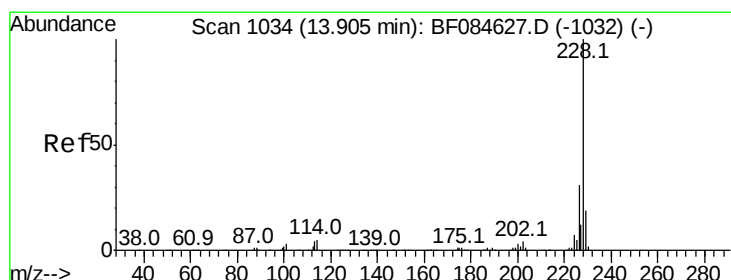
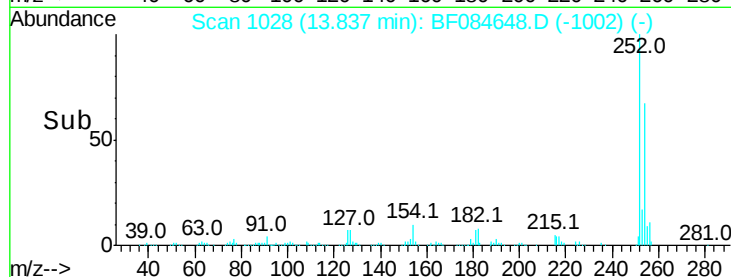
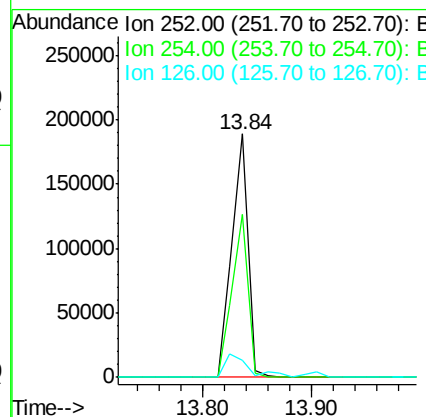
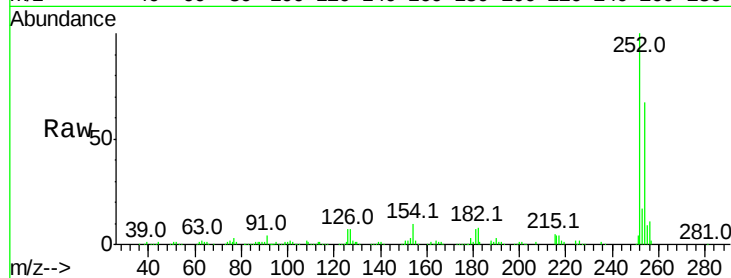
#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.30 ng  
 RT: 13.84 min Scan# 1028  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 66.8  | 53.5       | 80.3  |
| 126     | 7.2   | 4.9        | 7.3   |

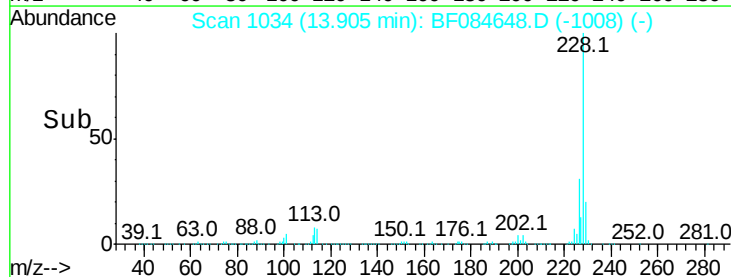
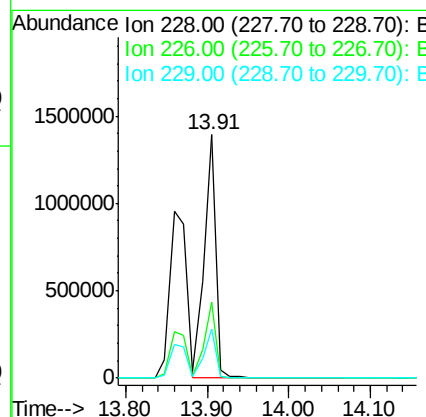
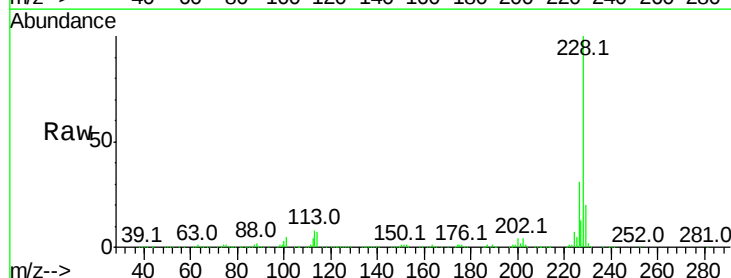
Manual Integrations  
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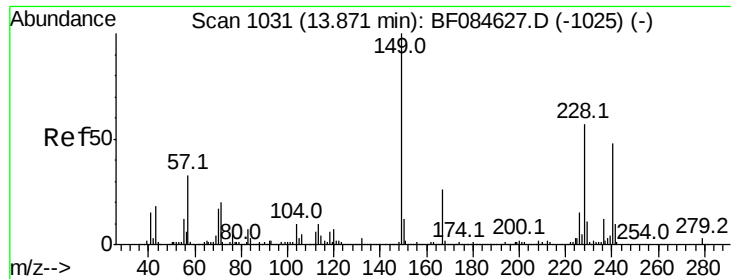
mohammad  
 2/1/2016 2:24:30 PM



#82  
 Chrysene  
 Concen: 43.84 ng  
 RT: 13.91 min Scan# 1034  
 Delta R.T. -0.00 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 31.4  | 24.3       | 36.5  |
| 229     | 20.4  | 16.1       | 24.1  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.21 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

ClientSampleId :

PB88084BS

Tot Ion:149 Resp: 906889

Ion Ratio Lower Upper

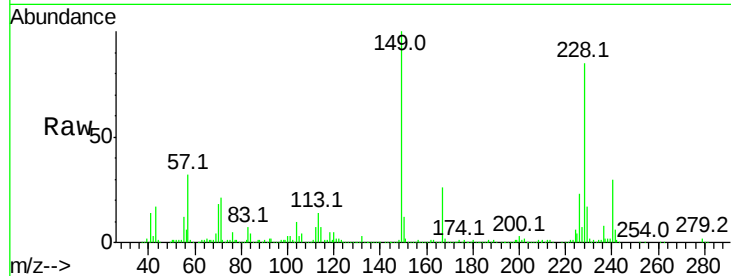
149 100

167 25.6 19.7 29.5

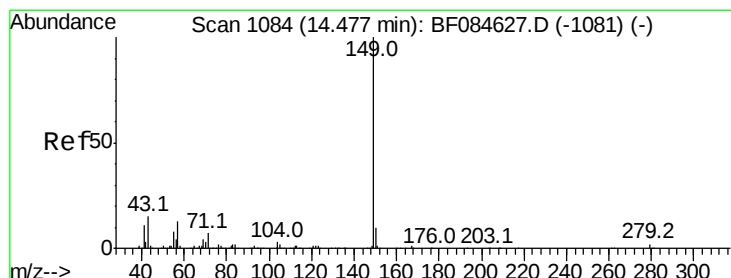
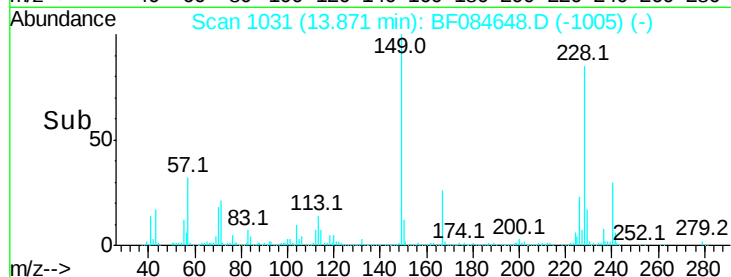
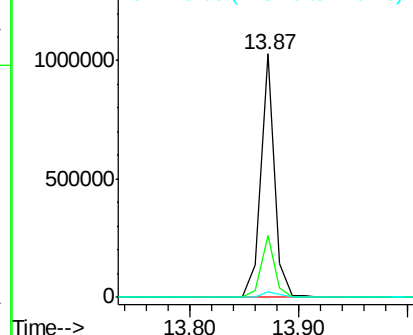
279 2.4 1.8 2.6

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Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 47.84 ng

RT: 14.48 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

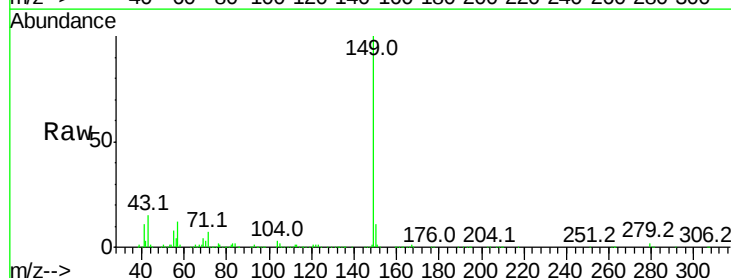
Tgt Ion:149 Resp: 1624294

Ion Ratio Lower Upper

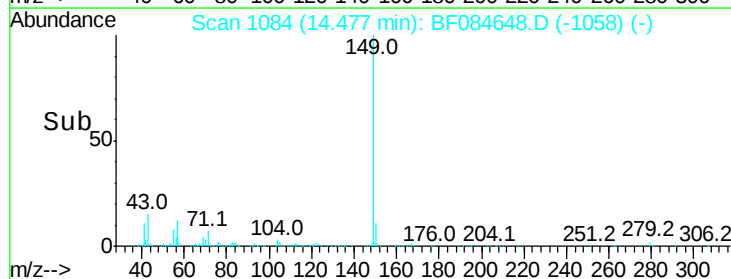
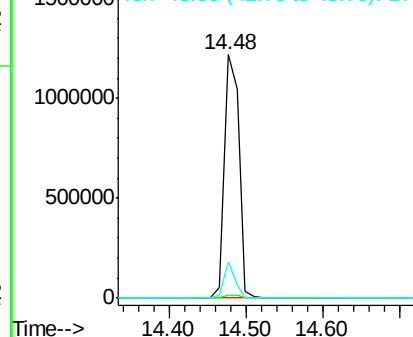
149 100

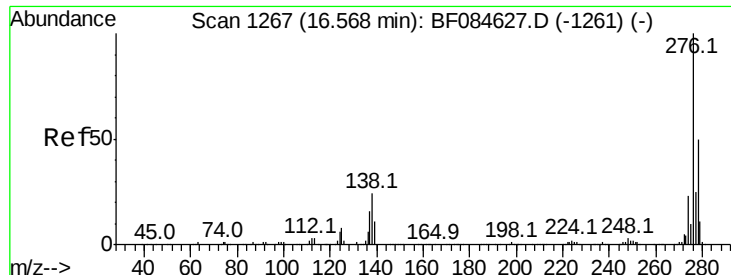
167 1.6 1.2 1.8

43 11.4 5.6 8.4#



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





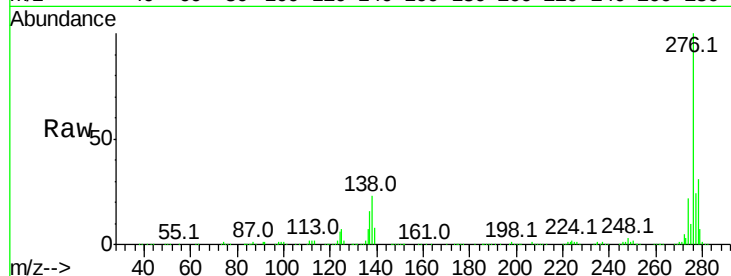
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 40.63 ng  
RT: 16.57 min Scan# 1267  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

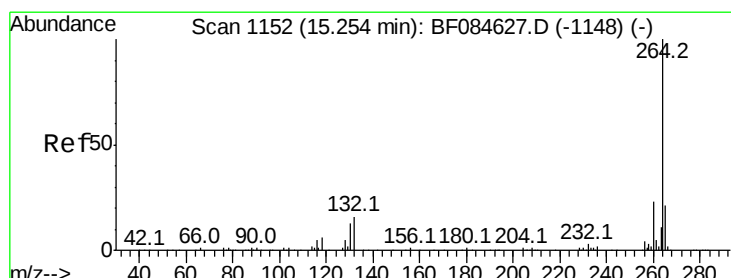
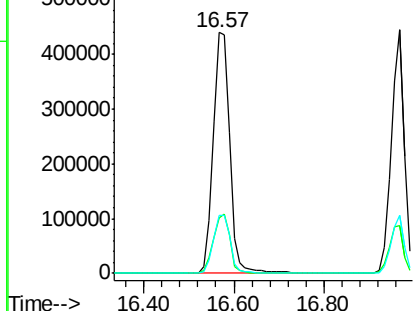
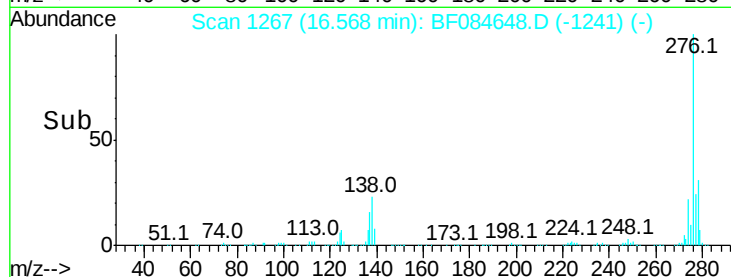
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.7  | 20.6  | 30.8  |
| 277     | 25.0  | 20.1  | 30.1  |

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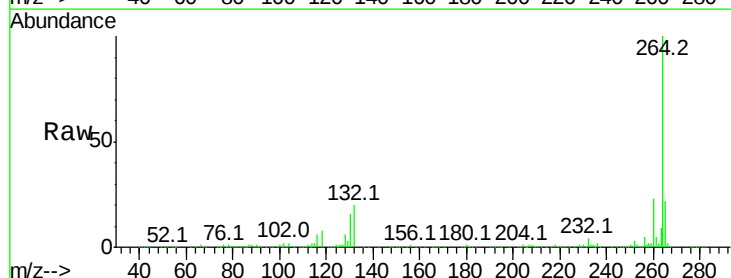


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

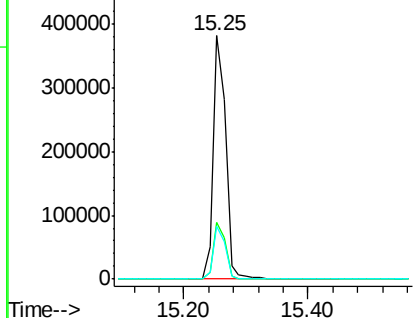
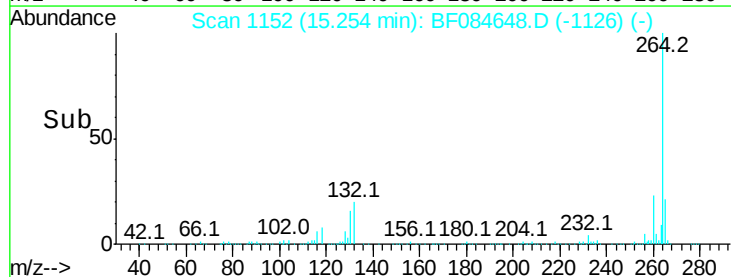


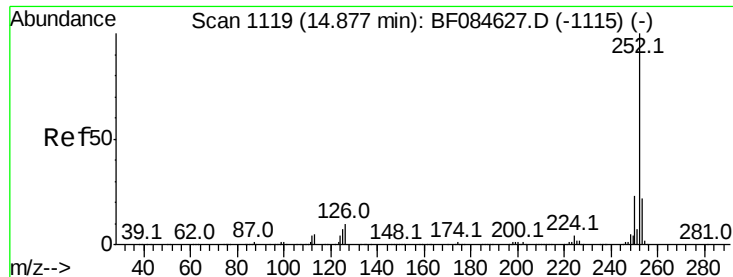
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.25 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.4  | 29.2  |
| 265     | 21.5  | 17.8  | 26.6  |



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





#87

Benzo(b)fluoranthene

Concen: 39.38 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

Instrument :

BNA\_F

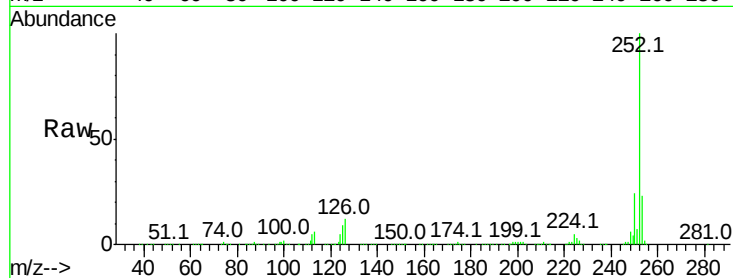
ClientSampleId :

PB88084BS

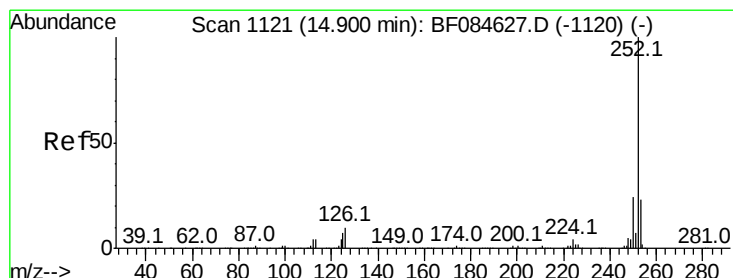
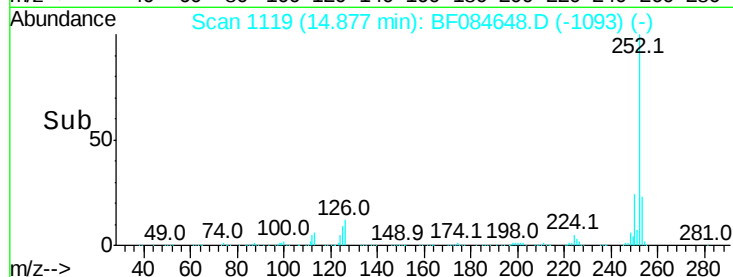
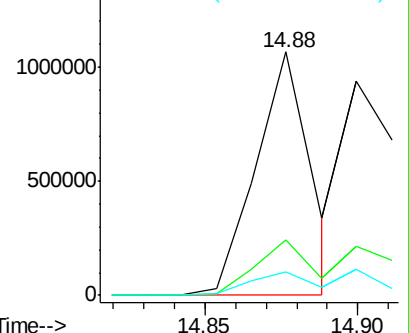
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 252   | Resp: | 1322203 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 253      | 22.6  | 17.3  | 25.9    |
| 125      | 9.5   | 6.5   | 9.7     |

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 42.38 ng m

RT: 14.90 min Scan# 1121

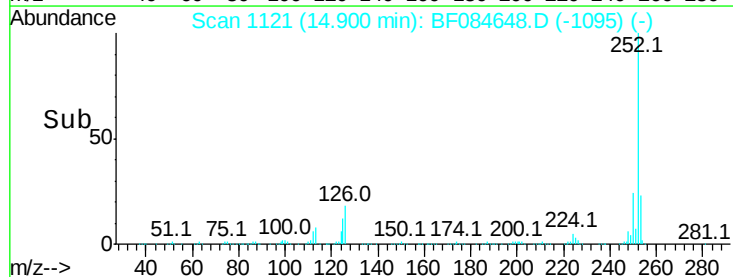
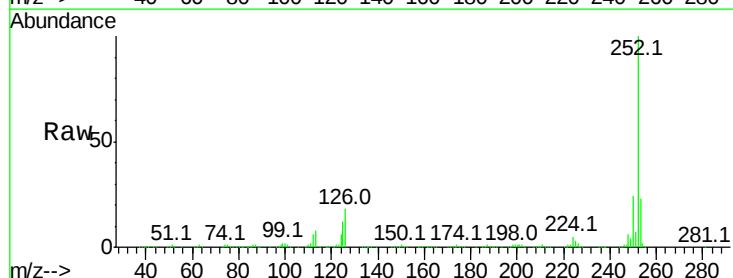
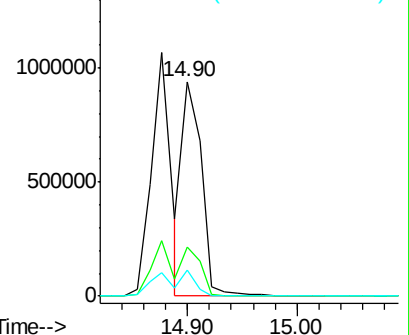
Delta R.T. -0.00 min

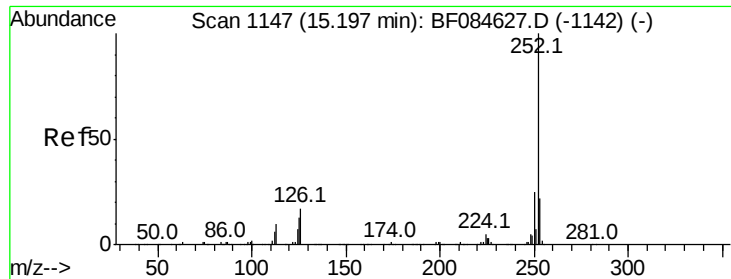
Lab File: BF084648.D

Acq: 29 Jan 2016 21:19

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 252   | Resp: | 1175430 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 253      | 23.1  | 18.1  | 27.1    |
| 125      | 12.1  | 9.0   | 13.6    |

Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





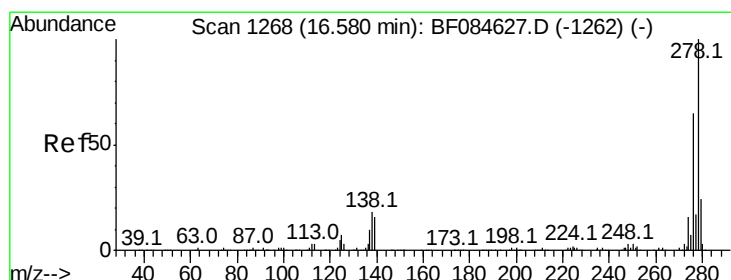
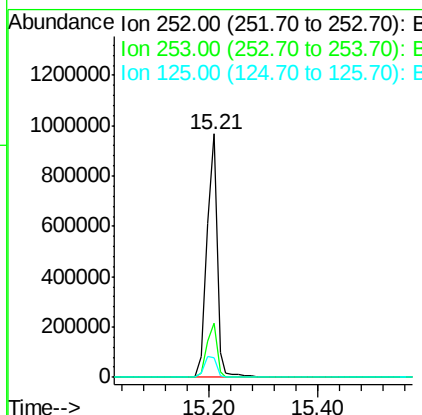
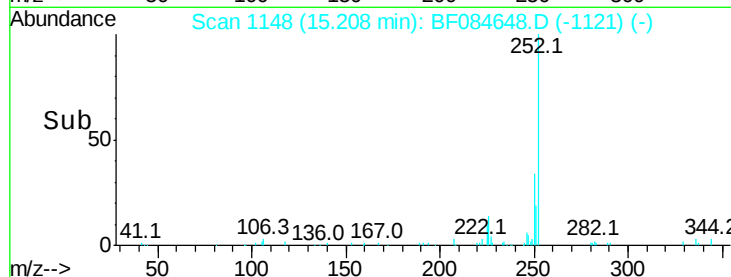
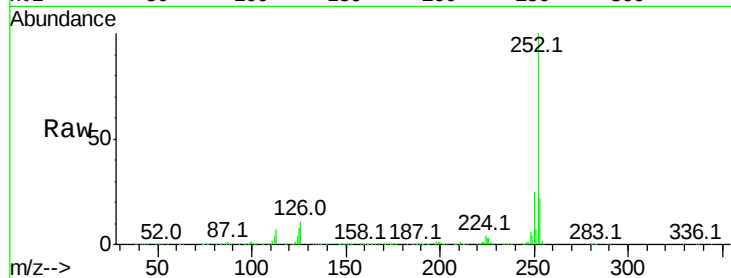
#89  
Benzo(a)pyrene  
Concen: 42.93 ng  
RT: 15.21 min Scan# 1148  
Delta R.T. 0.01 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB88084BS

Tot Ion:252 Resp: 1247048  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.3 25.9  
125 8.3 7.0 10.4

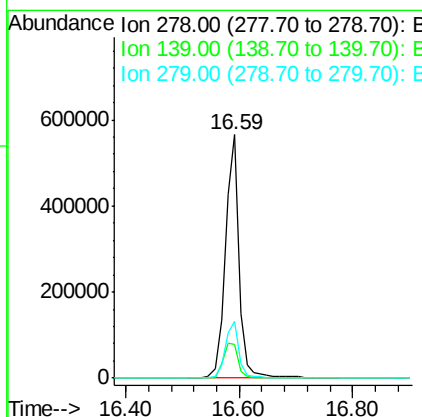
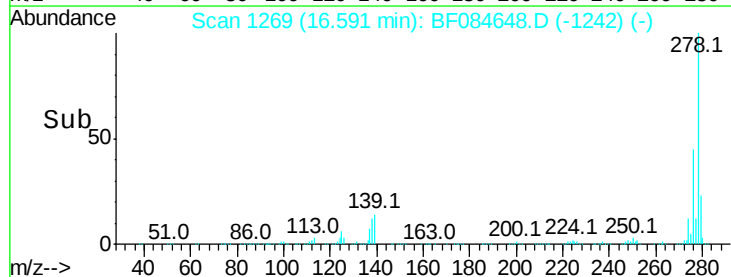
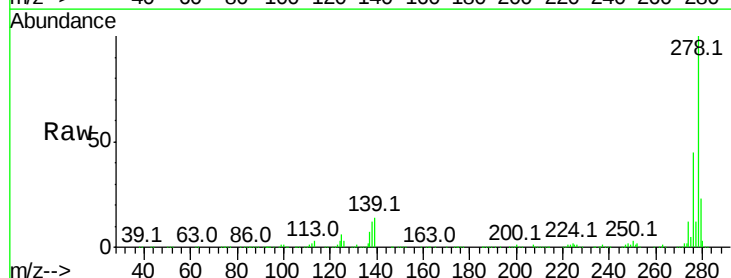
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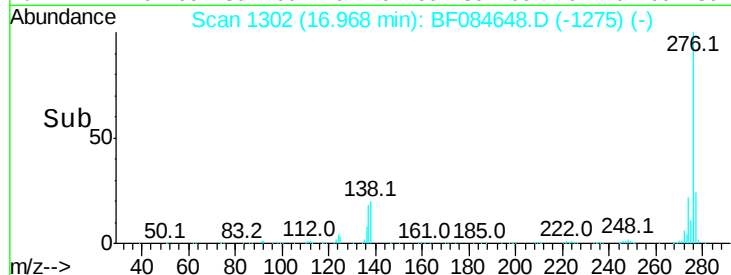
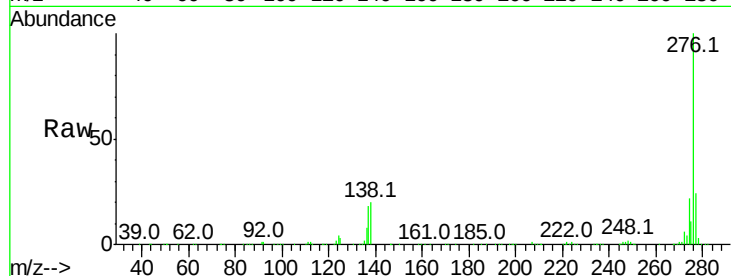
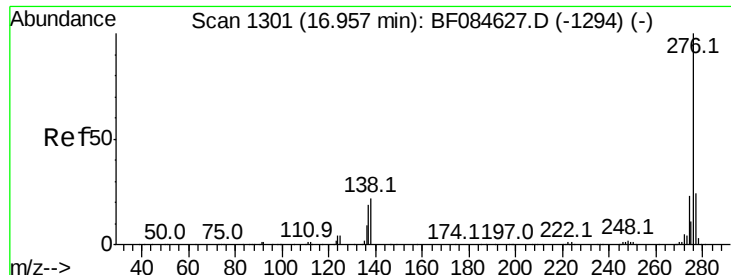
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#90  
Dibenzo(a,h)anthracene  
Concen: 36.52 ng  
RT: 16.59 min Scan# 1269  
Delta R.T. 0.01 min  
Lab File: BF084648.D  
Acq: 29 Jan 2016 21:19

Tgt Ion:278 Resp: 956010  
Ion Ratio Lower Upper  
278 100  
139 13.6 15.0 22.4#  
279 23.3 18.9 28.3





#91  
 Benzo(a,h,i)perylene  
 Concen: 34.33 ng  
 RT: 16.97 min Scan# 1302  
 Delta R.T. 0.01 min  
 Lab File: BF084648.D  
 Acq: 29 Jan 2016 21:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB88084BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 24.0  | 18.8       | 28.2  |
| 138     | 19.7  | 17.8       | 26.6  |

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