

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\  
 Data File : BF092873.D  
 Acq On : 9 Feb 2017 00:25  
 Operator : SJ/MA  
 Sample : I1751-04MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

Manual Integrations  
 APPROVED

mohammad  
 2/9/2017 12:31:34 PM

Quant Time: Feb 09 02:53:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 08 23:48:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 151352   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.18  | 136  | 583034   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.94  | 164  | 333582   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.42 | 188  | 550405   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.07 | 240  | 470268   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.51 | 264  | 363579   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 1135603 | 128.72 | ng | 0.02 |
| 7) Phenol-d6             | 6.54  | 99  | 1368858 | 120.59 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.47  | 82  | 1047757 | 100.07 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 384114  | 159.21 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 9.26  | 172 | 1931015 | 104.87 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.01 | 244 | 1812475 | 90.56  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |       |    | Qvalue |
|--------------------------------|------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.67 | 88  | 181508  | 38.08 | ng | # 72   |
| 3) Pyridine                    | 3.38 | 79  | 306305  | 25.27 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.31 | 42  | 259982  | 45.68 | ng | 89     |
| 6) Aniline                     | 6.57 | 93  | 213265  | 13.77 | ng | # 60   |
| 8) 2-Chlorophenol              | 6.69 | 128 | 464058  | 47.68 | ng | 89     |
| 9) Benzaldehyde                | 6.44 | 77  | 132131  | 16.25 | ng | 92     |
| 10) Phenol                     | 6.56 | 94  | 506133  | 38.11 | ng | 79     |
| 11) bis(2-Chloroethyl)ether    | 6.64 | 93  | 461122  | 43.50 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 6.84 | 146 | 546283  | 47.92 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 520481  | 45.11 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.07 | 146 | 510099  | 46.24 | ng | 97     |
| 15) Benzyl Alcohol             | 7.05 | 79  | 417045  | 49.63 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45  | 870855  | 47.29 | ng | 95     |
| 17) 2-Methylphenol             | 7.16 | 107 | 399384  | 47.83 | ng | 97     |
| 18) Hexachloroethane           | 7.41 | 117 | 183403  | 46.57 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70  | 357717  | 49.51 | ng | # 97   |
| 20) 3+4-Methylphenols          | 7.32 | 107 | 476034  | 47.68 | ng | # 86   |
| 22) Acetophenone               | 7.31 | 105 | 622413  | 46.76 | ng | # 94   |
| 24) Nitrobenzene               | 7.48 | 77  | 494587  | 46.01 | ng | 100    |
| 25) Isophorone                 | 7.72 | 82  | 975445  | 50.00 | ng | 95     |
| 26) 2-Nitrophenol              | 7.80 | 139 | 275372  | 53.88 | ng | 94     |
| 27) 2,4-Dimethylphenol         | 7.85 | 122 | 483627  | 53.89 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93  | 666155  | 51.56 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.04 | 162 | 426866  | 51.00 | ng | 88     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 428029  | 47.45 | ng | 94     |
| 31) Naphthalene                | 8.20 | 128 | 1316945 | 44.56 | ng | 99     |
| 32) Benzoic acid               | 7.98 | 122 | 239620  | 47.25 | ng | 90     |
| 33) 4-Chloroaniline            | 8.26 | 127 | 97157   | 8.38  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 228937  | 46.13 | ng | 99     |
| 35) Caprolactam                | 8.64 | 113 | 116573m | 44.28 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.75 | 107 | 466325  | 53.44 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.90 | 142 | 1010357 | 53.24 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 405284  | 43.28 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 9.05 | 237 | 341597  | 80.86 | ng | 96     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\  
 Data File : BF092873.D  
 Acq On : 9 Feb 2017 00:25  
 Operator : SJ/MA  
 Sample : I1751-04MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

Manual Integrations  
 APPROVED

mohammad  
 2/9/2017 12:31:34 PM

Quant Time: Feb 09 02:53:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 08 23:48:40 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 310128   | 50.40 | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.22  | 196  | 333696   | 49.50 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 9.36  | 154  | 1112676  | 46.06 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 9.39  | 162  | 971273   | 51.40 | nq    | 97       |
| 47) 2-Nitroaniline             | 9.48  | 65   | 268565   | 42.27 | nq    | 98       |
| 48) Acenaphthylene             | 9.80  | 152  | 1437102  | 44.03 | nq    | 99       |
| 49) Dimethylphthalate          | 9.66  | 163  | 1075668  | 47.87 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165  | 264952   | 54.60 | nq    | # 79     |
| 51) Acenaphthene               | 9.97  | 154  | 878573   | 45.02 | nq    | 95       |
| 52) 3-Nitroaniline             | 9.89  | 138  | 59457    | 10.71 | nq    | 87       |
| 53) 2,4-Dinitrophenol          | 10.01 | 184  | 248069   | 99.28 | nq    | # 72     |
| 54) Dibenzofuran               | 10.14 | 168  | 1232871  | 47.23 | nq    | 96       |
| 55) 4-Nitrophenol              | 10.08 | 139  | 383450   | 95.87 | nq    | 84       |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165  | 306424   | 47.43 | nq    | 96       |
| 57) Fluorene                   | 10.49 | 166  | 936566   | 46.64 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.27 | 232  | 257672   | 57.30 | nq    | 94       |
| 59) Diethylphthalate           | 10.36 | 149  | 1020087  | 48.17 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204  | 417611   | 43.28 | nq    | 93       |
| 61) 4-Nitroaniline             | 10.51 | 138  | 225263   | 39.61 | nq    | 93       |
| 62) Azobenzene                 | 10.64 | 77   | 1118991  | 51.15 | nq    | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198  | 192876   | 57.04 | nq    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.60 | 169  | 890494   | 50.65 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.97 | 248  | 273750   | 47.61 | nq    | 96       |
| 67) Hexachlorobenzene          | 11.04 | 284  | 292322   | 51.44 | nq    | 98       |
| 68) Atrazine                   | 11.13 | 200  | 242789   | 43.03 | nq    | 98       |
| 69) Pentachlorophenol          | 11.23 | 266  | 297581   | 99.51 | nq    | 96       |
| 70) Phenanthrene               | 11.45 | 178  | 1388763  | 44.04 | nq    | 99       |
| 71) Anthracene                 | 11.50 | 178  | 1658395  | 52.37 | nq    | 98       |
| 72) Carbazole                  | 11.65 | 167  | 1326535  | 43.82 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 1766787  | 53.97 | nq    | # 97     |
| 74) Fluoranthene               | 12.64 | 202  | 1496368  | 46.00 | nq    | 97       |
| 77) Pyrene                     | 12.86 | 202  | 1515684  | 43.07 | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.48 | 149  | 782118   | 54.73 | nq    | 87       |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 1341199  | 46.63 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.02 | 252  | 182078   | 17.76 | nq    | # 95     |
| 82) Chrysene                   | 14.09 | 228  | 1047376  | 38.89 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 1040034  | 53.21 | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 1719714  | 54.03 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.95 | 276  | 1110043  | 53.22 | nq    | 95       |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 1247488  | 52.13 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 15.12 | 252  | 1066618m | 51.62 | nq    |          |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 1079790  | 52.16 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.97 | 278  | 919564   | 54.96 | nq    | 96       |
| 91) Benzo(g,h,i)perylene       | 17.38 | 276  | 937125   | 55.45 | nq    | # 92     |

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

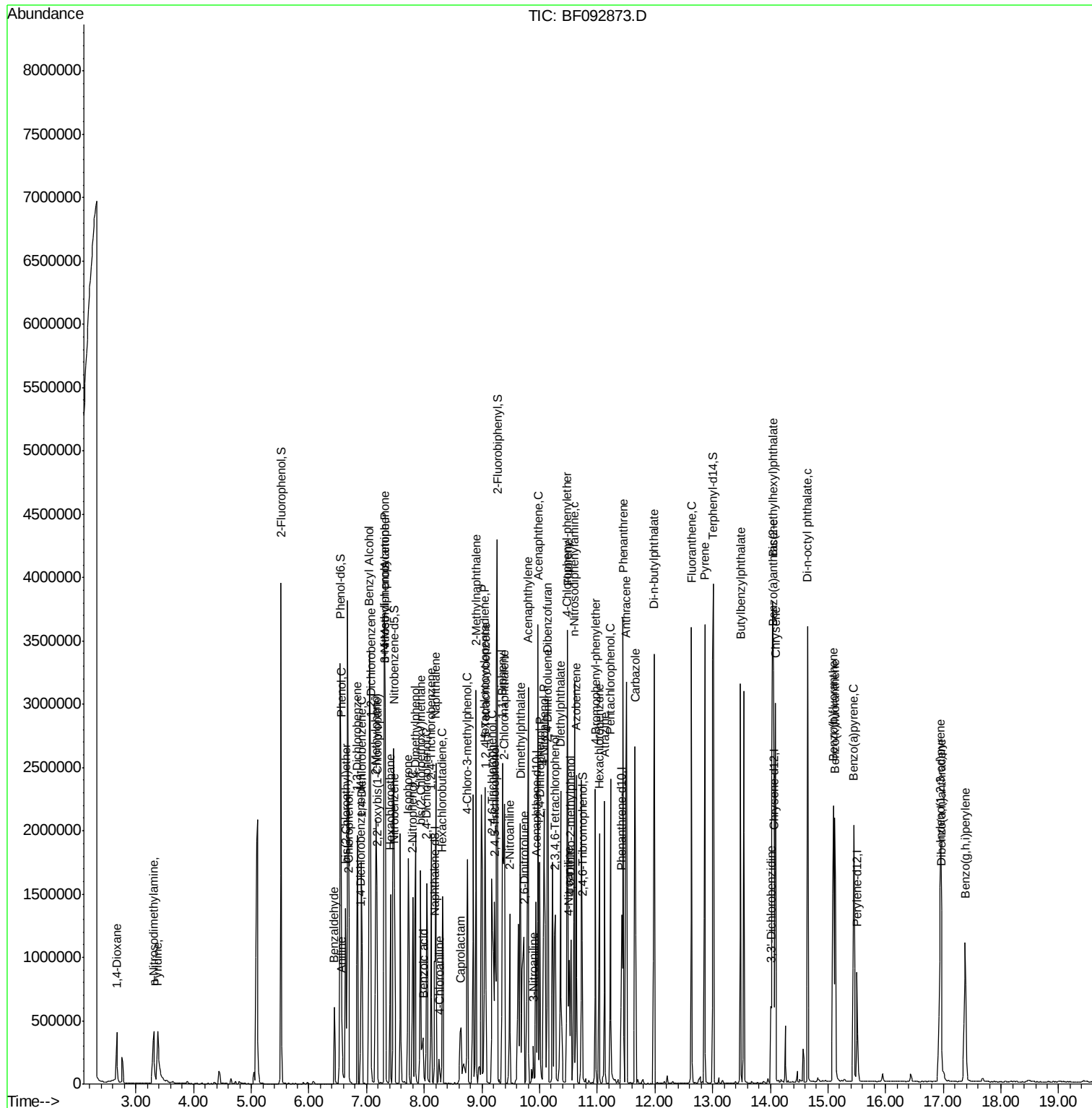
```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\  
Data File : BF092873.D  
Acq On    : 9 Feb 2017 00:25  
Operator  : SJ/MA  
Sample    : I1751-04MSD  
Misc      :  
ALS Vial  : 21 Sample Multiplier: 1
```

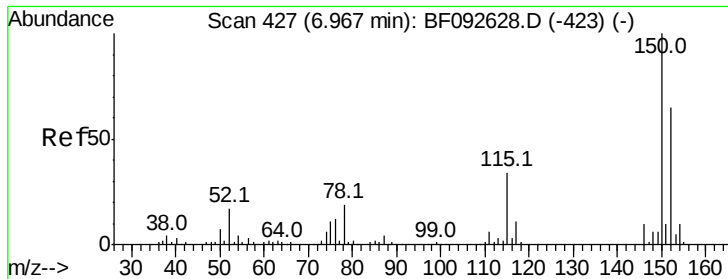
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
ROLL-OFF-COMPMSD

## Manual Integrations APPROVED

mohammad  
2/9/2017 12:31:34 PM

Quant Time: Feb 09 02:53:38 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 08 23:48:40 2017  
Response via : Initial Calibration





#1

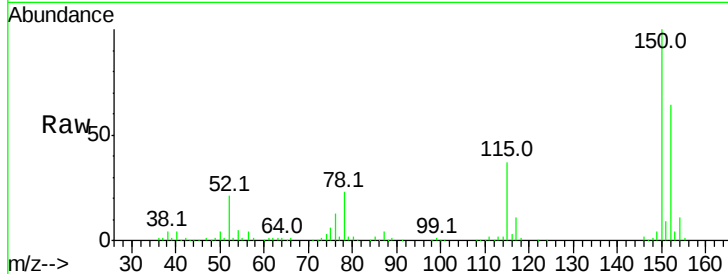
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.90 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

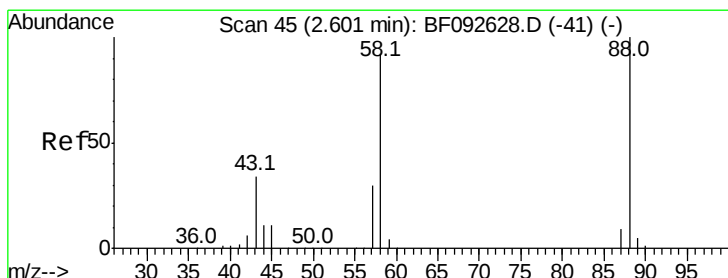
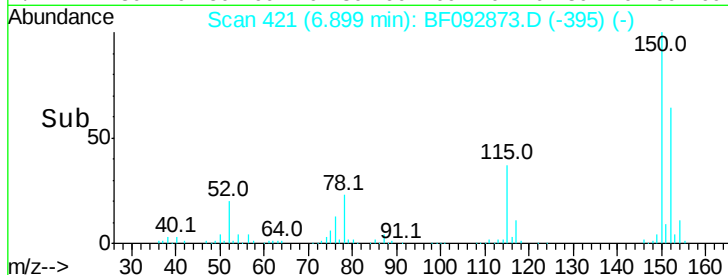
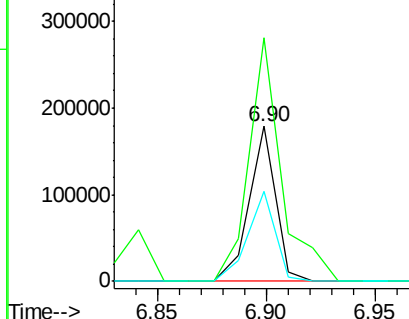
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 124.9 | 187.3 |
| 115     | 57.7  | 46.0  | 69.0  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



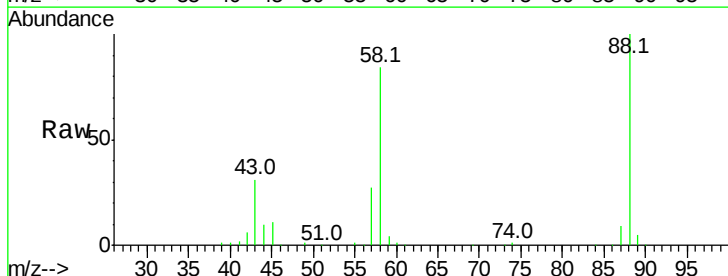
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



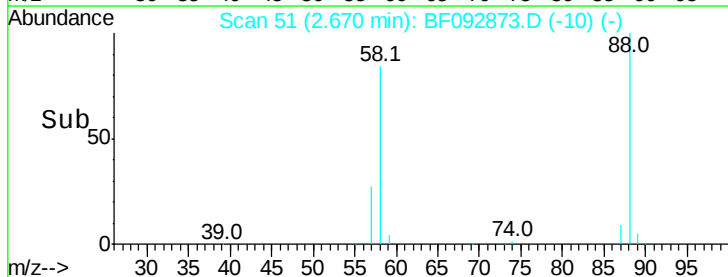
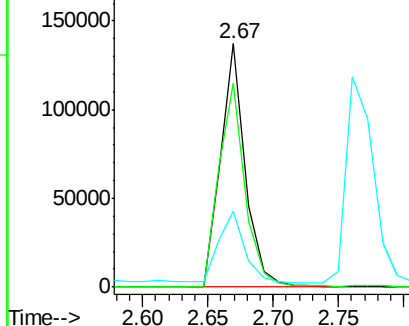
#2

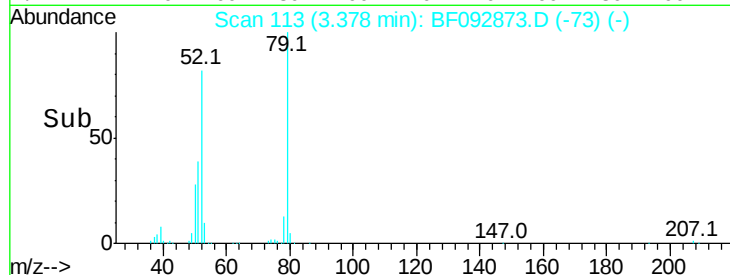
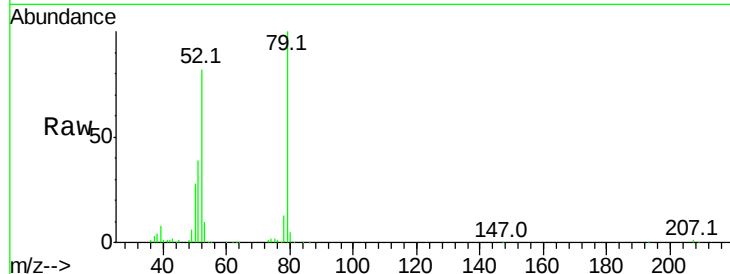
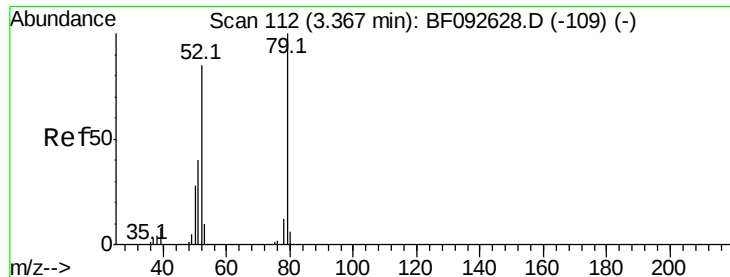
1,4-Dioxane  
Concen: 38.08 ng  
RT: 2.67 min Scan# 51  
Delta R.T. 0.17 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.8  | 57.8  | 86.8# |
| 43      | 0.0   | 22.3  | 33.5# |



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





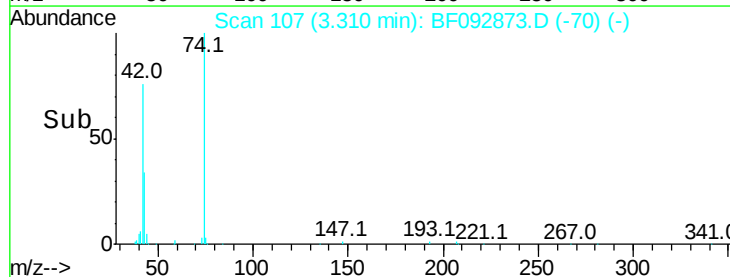
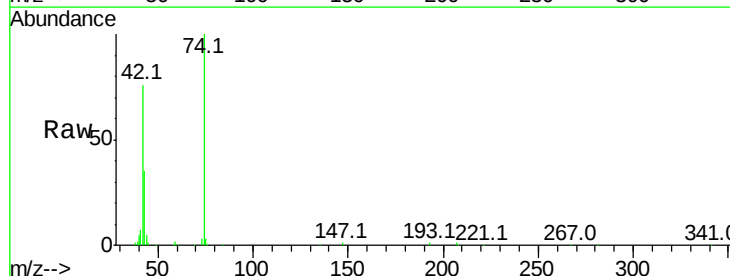
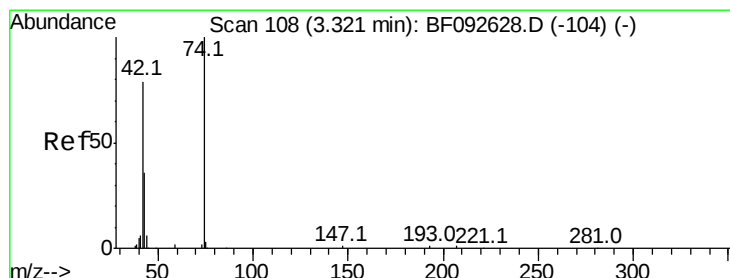
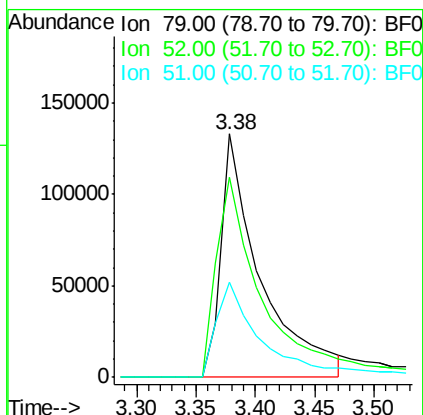
#3  
 Pvridine  
 Concen: 25.27 ng  
 RT: 3.38 min Scan# 113  
 Delta R.T. 0.16 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 306305 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 82.0  | 57.1  | 85.7   |
| 51        | 39.1  | 27.3  | 40.9   |

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

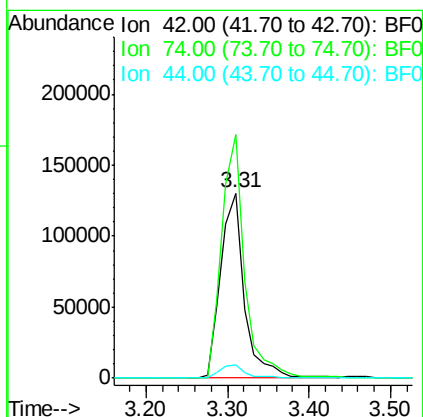
Manual Integrations  
 APPROVED

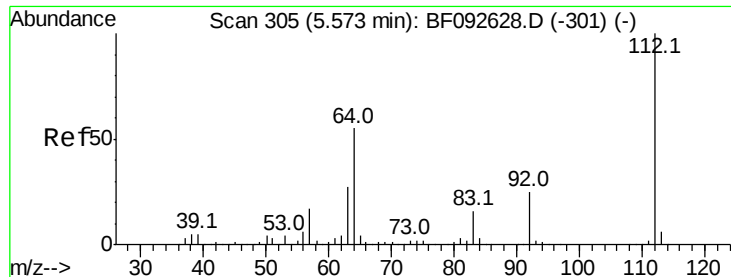
mohammad  
 2/9/2017 12:31:34 PM



#4  
 n-Nitrosodimethylamine  
 Concen: 45.68 ng  
 RT: 3.31 min Scan# 107  
 Delta R.T. 0.13 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 259982 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 131.5 | 117.0 | 175.4  |
| 44        | 6.9   | 5.5   | 8.3    |





#5

2-Fluorophenol

Concen: 128.72 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSD

Tot Ion:112 Resp: 1135603

Ion Ratio Lower Upper

112 100

64 65.0 46.1 69.1

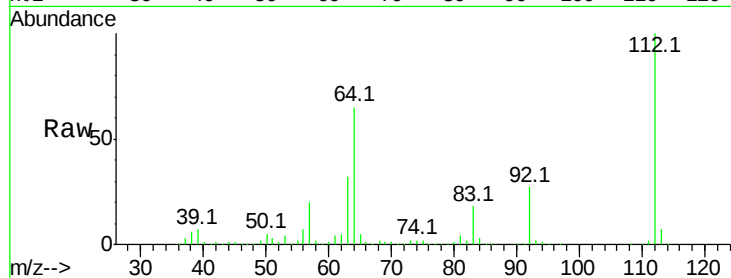
63 32.2 23.8 35.6

Manual Integrations

APPROVED

mohammad

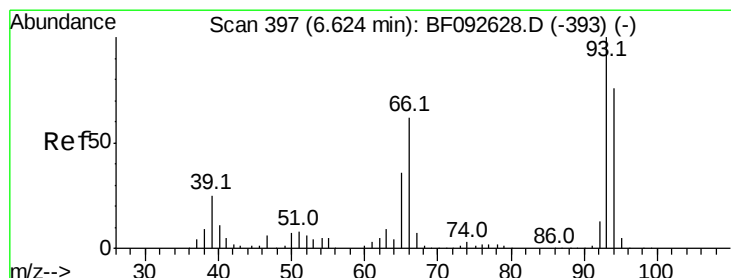
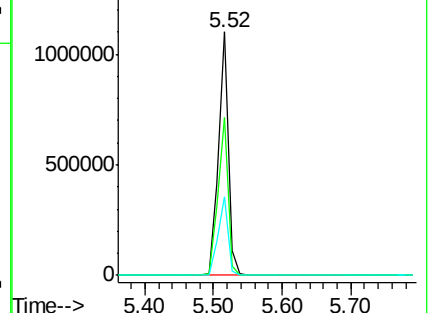
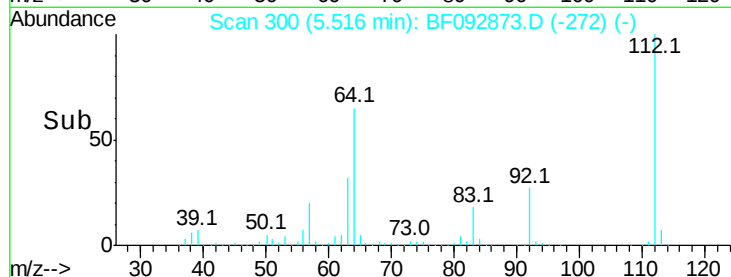
2/9/2017 12:31:34 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.77 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

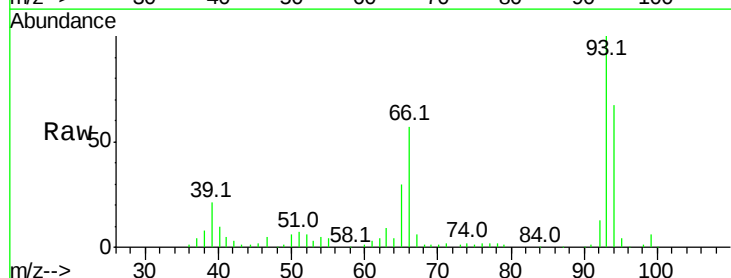
Tgt Ion: 93 Resp: 213265

Ion Ratio Lower Upper

93 100

66 56.5 76.2 114.2#

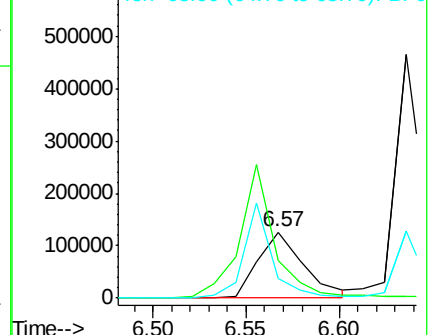
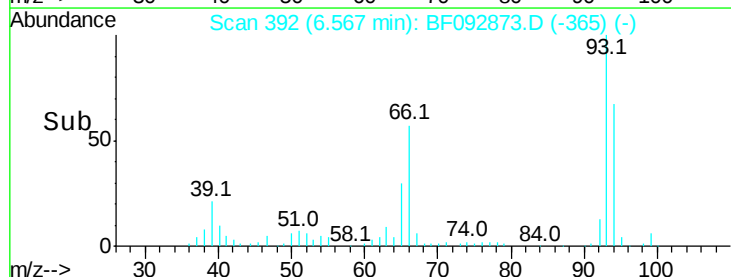
65 30.2 49.3 73.9#

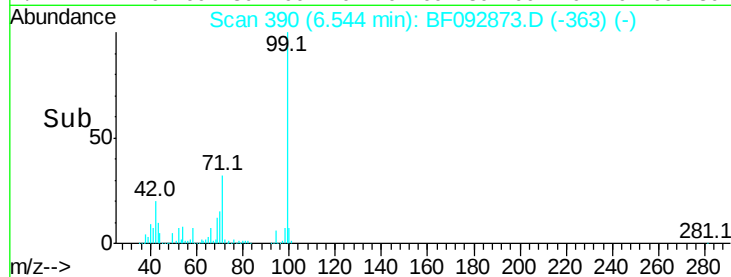
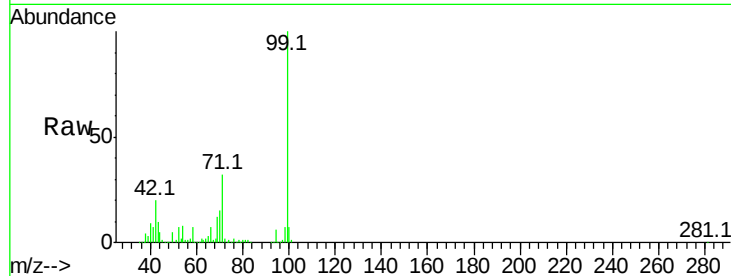
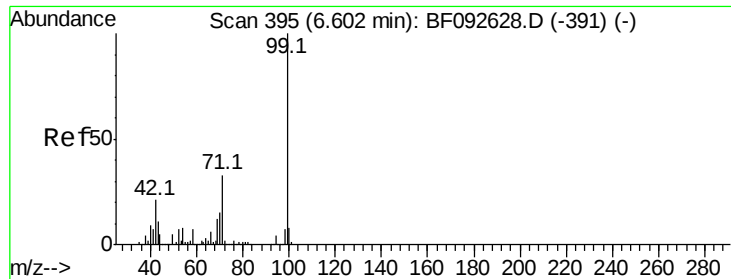


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 120.59 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Tot Ion: 99 Resp: 1368858

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

71 32.5 27.5 41.3

Instrument :

BNA\_F

ClientSampleId :

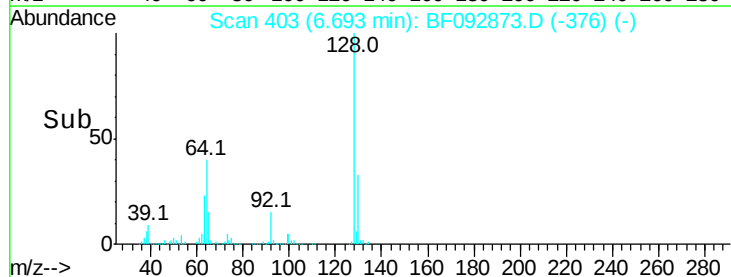
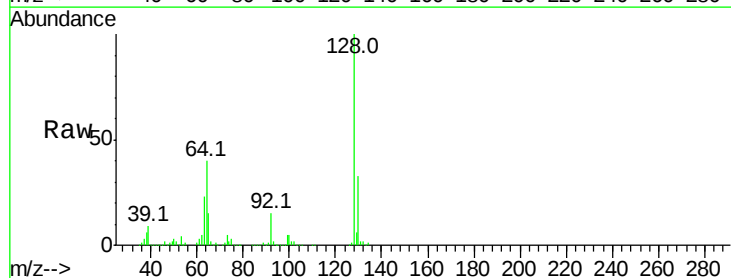
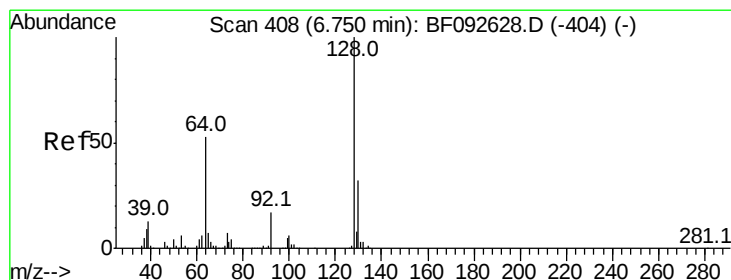
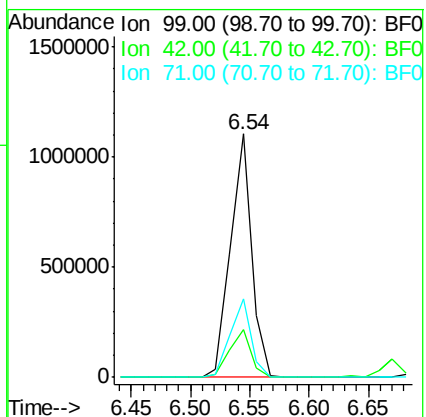
ROLL-OFF-COMPMSSD

Manual Integrations

APPROVED

mohammad

2/9/2017 12:31:34 PM



#8

2-Chlorophenol

Concen: 47.68 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

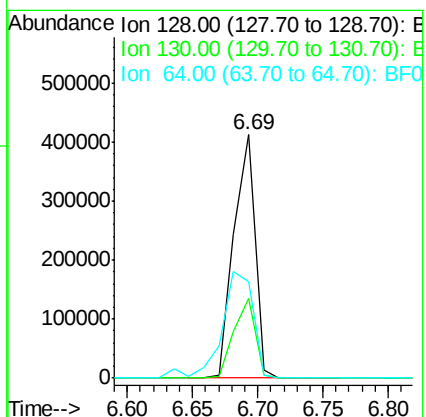
Tgt Ion:128 Resp: 464058

Ion Ratio Lower Upper

128 100

130 33.0 12.3 52.3

64 39.7 32.2 72.2





#9

Benzaldehyde

Concen: 16.25 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

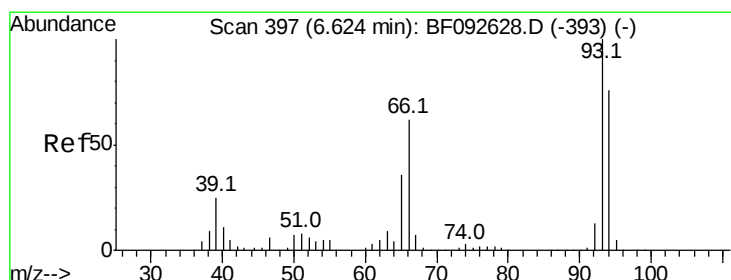
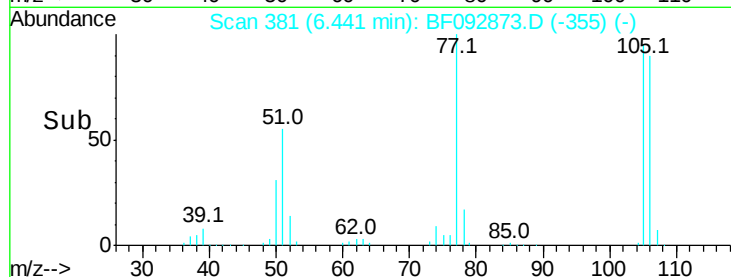
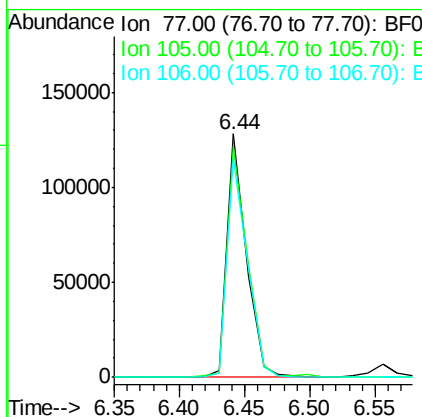
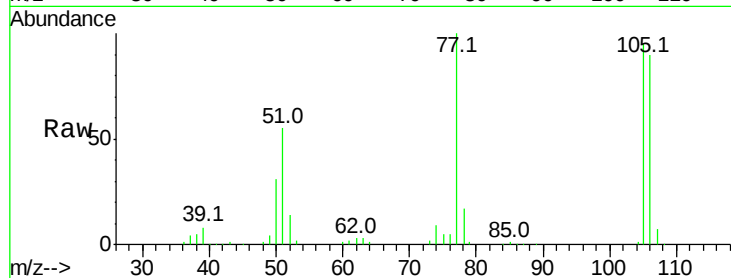
ClientSampleId :

ROLL-OFF-COMPMSSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 132131 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 94.8  | 83.9  | 123.9  |
| 106       | 89.8  | 77.6  | 117.6  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#10

Phenol

Concen: 38.11 ng

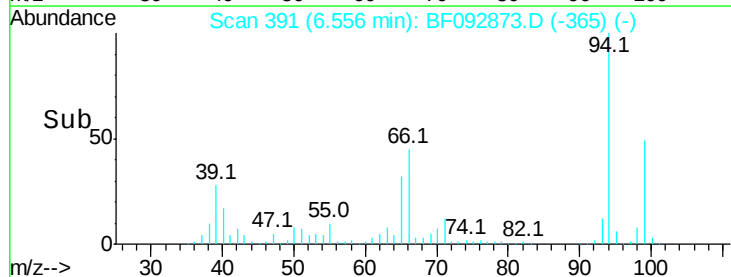
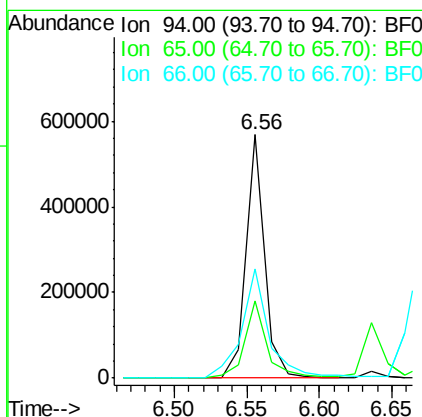
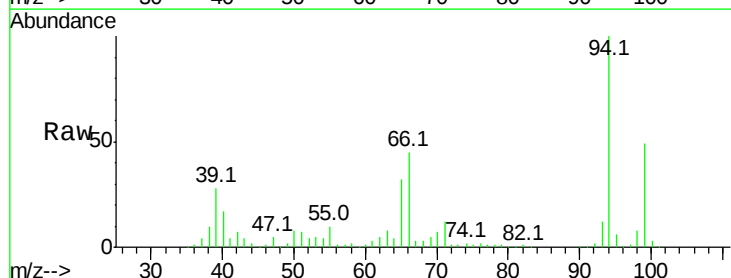
RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 506133 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 31.9  | 21.4  | 61.4   |
| 66        | 44.6  | 44.0  | 84.0   |





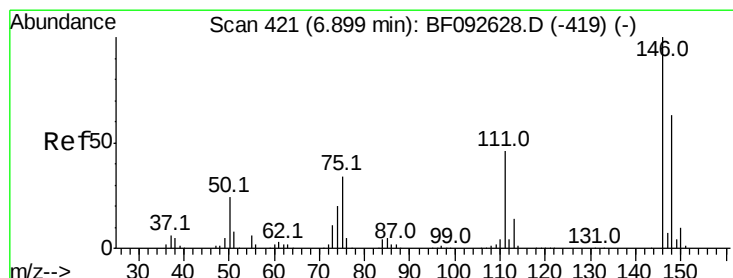
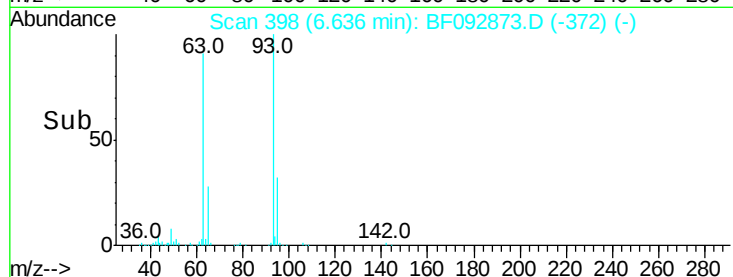
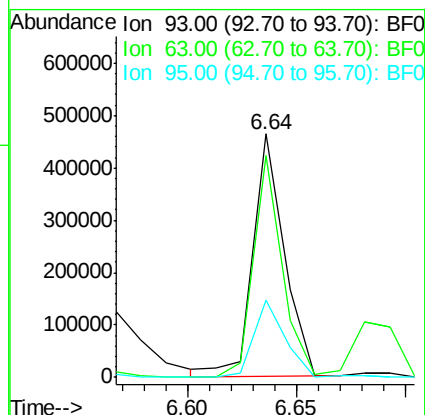
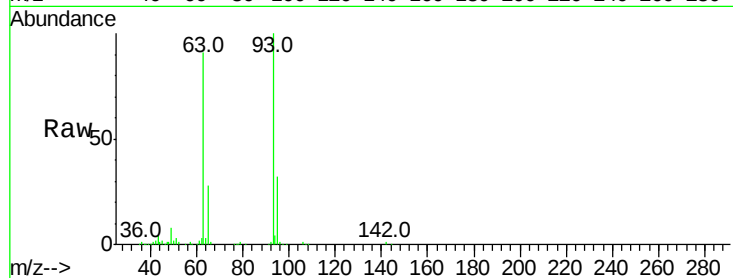
#11  
bis(2-Chloroethyl)ether  
Concen: 43.50 ng  
RT: 6.64 min Scan# 398  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 461122 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 91.1  | 60.4  | 100.4  |
| 95       | 31.6  | 12.8  | 52.8   |

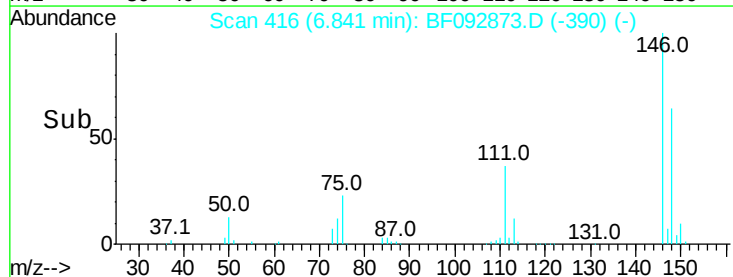
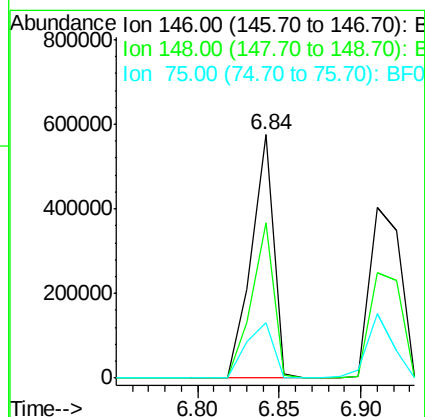
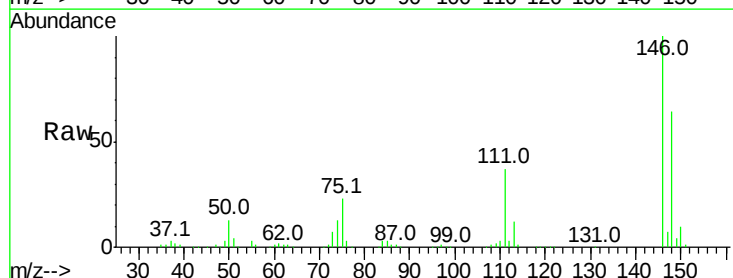
Manual Integrations  
APPROVED

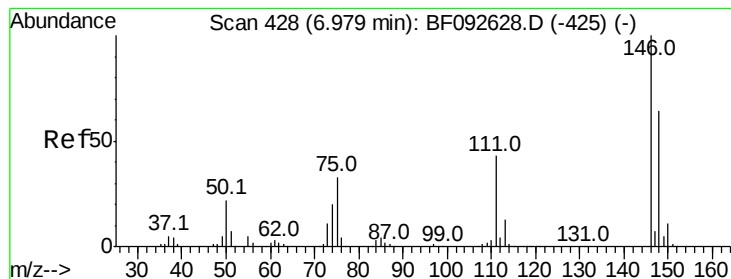
mohammad  
2/9/2017 12:31:34 PM



#12  
1,3-Dichlorobenzene  
Concen: 47.92 ng  
RT: 6.84 min Scan# 416  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 546283 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.8  | 53.4  | 80.0   |
| 75       | 22.8  | 18.5  | 27.7   |





#13

1,4-Dichlorobenzene

Concen: 45.11 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

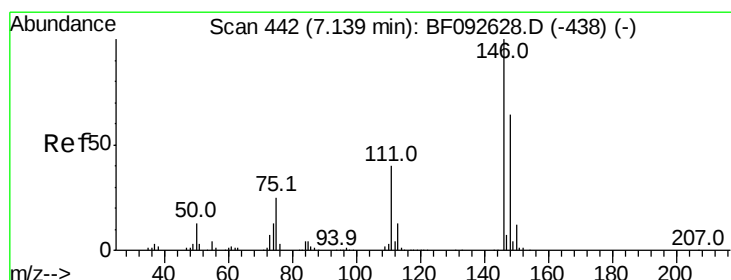
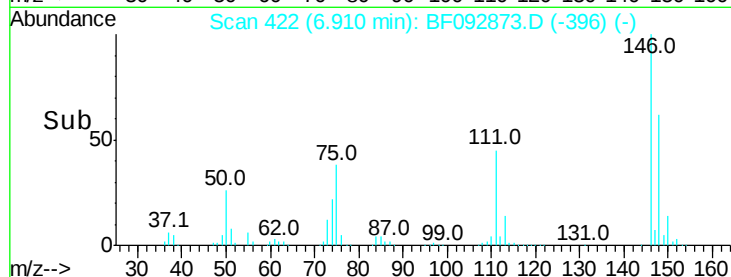
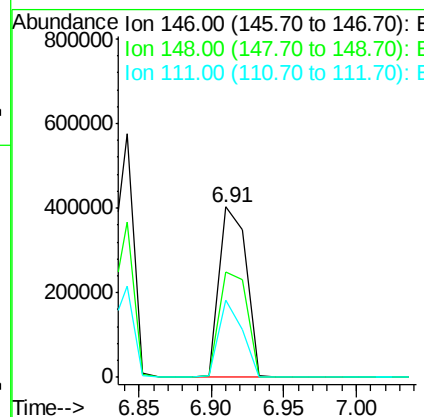
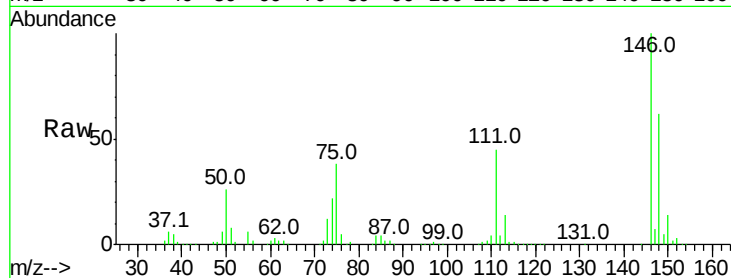
ClientSampleId :

ROLL-OFF-COMPMSSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 520481 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.3  | 50.6  | 76.0   |
| 111       | 45.1  | 36.2  | 54.4   |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#14

1,2-Dichlorobenzene

Concen: 46.24 ng

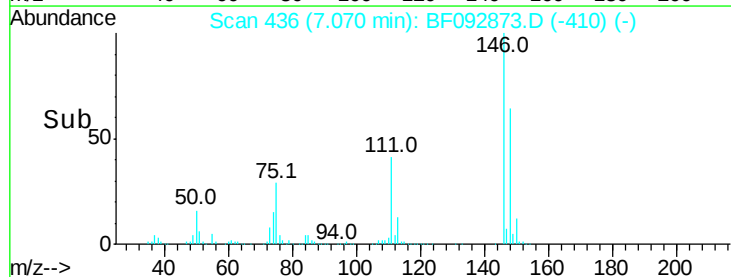
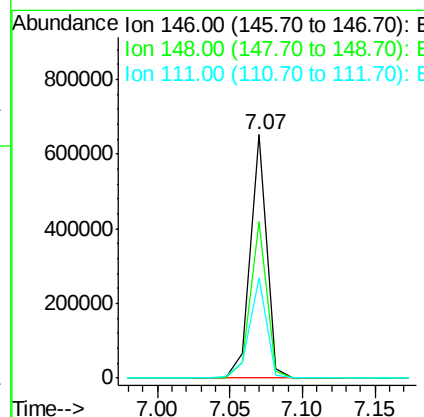
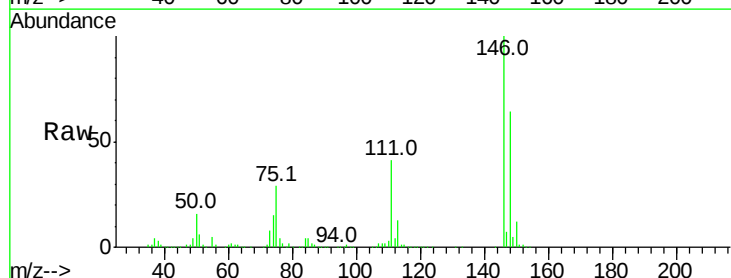
RT: 7.07 min Scan# 436

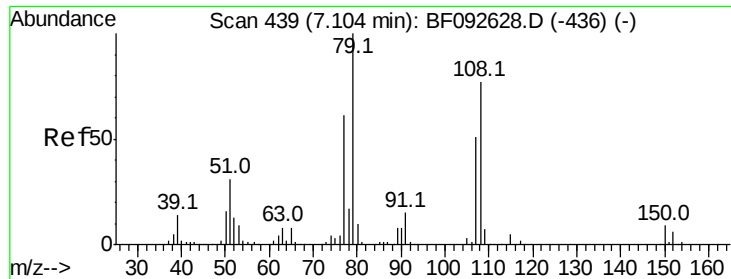
Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 510099 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 52.2  | 78.2   |
| 111       | 41.0  | 36.2  | 54.2   |





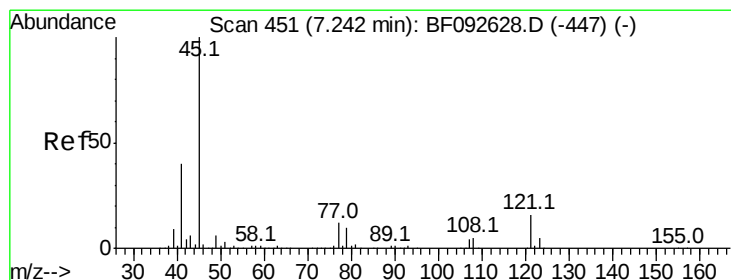
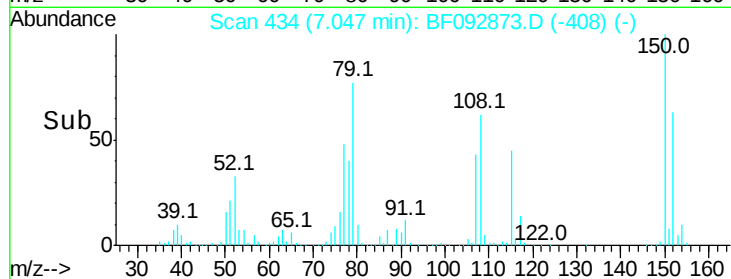
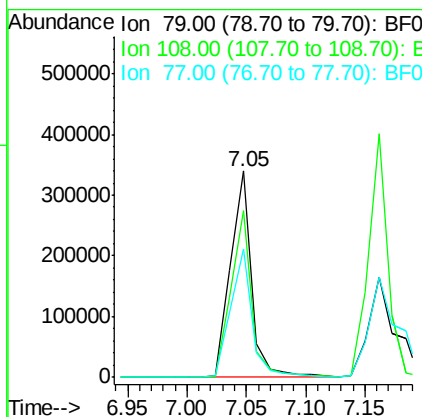
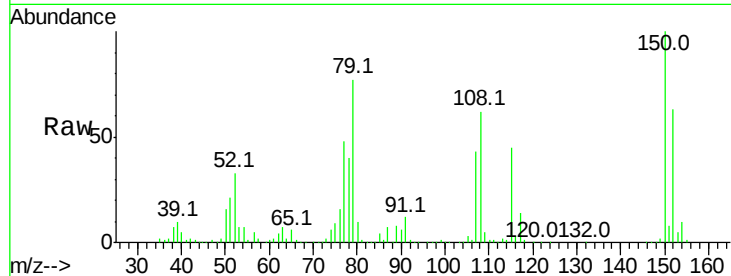
#15  
Benzyl Alcohol  
Concen: 49.63 ng  
RT: 7.05 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

Tot Ion: 79 Resp: 417045  
Ion Ratio Lower Upper  
79 100  
108 80.8 61.4 92.0  
77 62.1 50.9 76.3

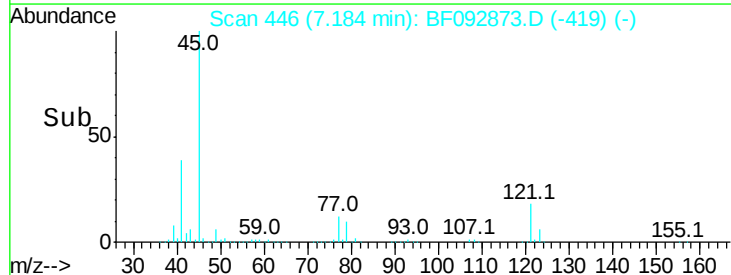
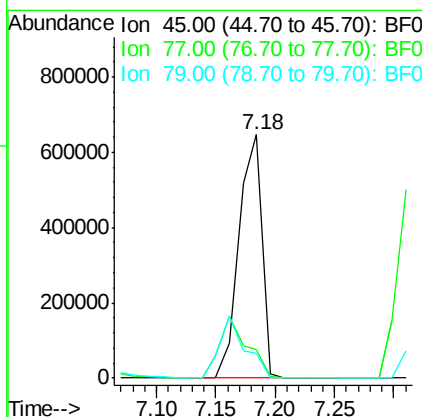
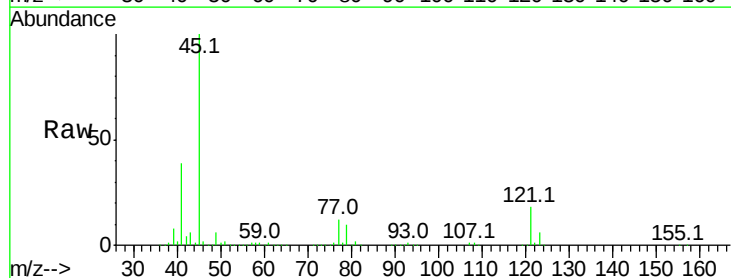
Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.29 ng  
RT: 7.18 min Scan# 446  
Delta R.T. 0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Tgt Ion: 45 Resp: 870855  
Ion Ratio Lower Upper  
45 100  
77 11.8 0.0 34.6  
79 10.0 0.0 31.2





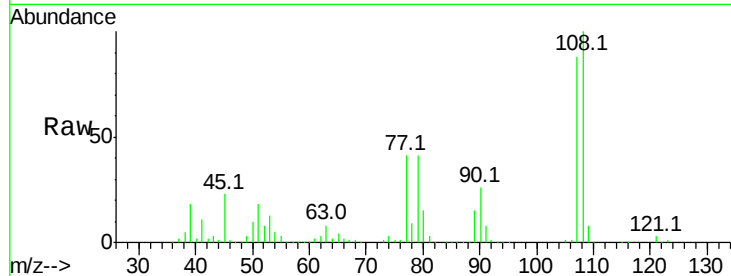
#17  
2-Methylphenol  
Concen: 47.83 ng  
RT: 7.16 min Scan# 444  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.1 | 93.0  | 139.6 |
| 77      | 46.3  | 39.8  | 59.8  |
| 79      | 46.6  | 38.0  | 57.0  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



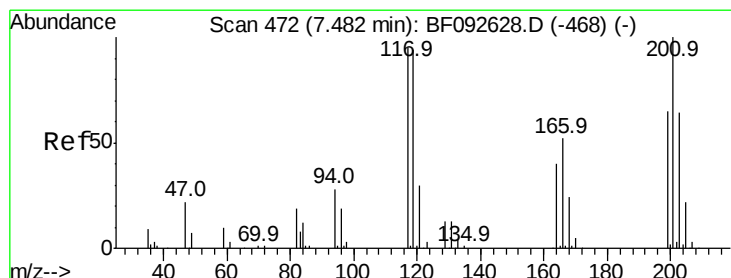
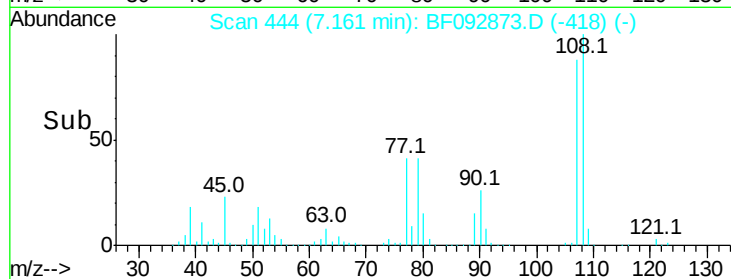
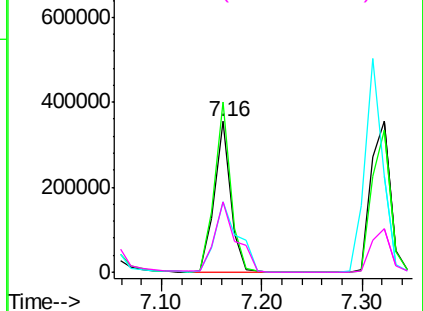
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

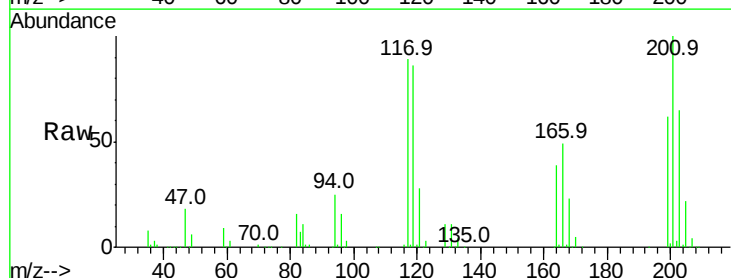
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18  
Hexachloroethane  
Concen: 46.57 ng  
RT: 7.41 min Scan# 466  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.6  | 78.1  | 117.1 |
| 201     | 112.9 | 78.6  | 117.8 |

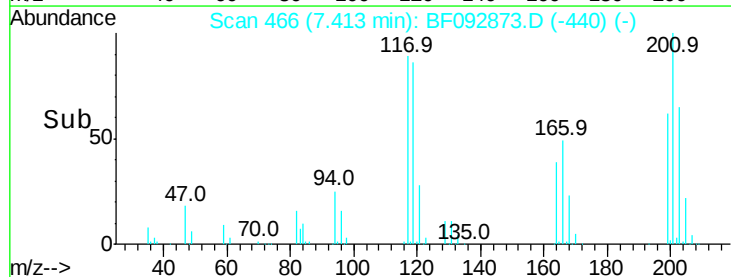
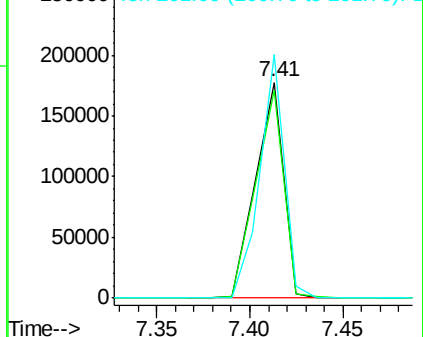


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





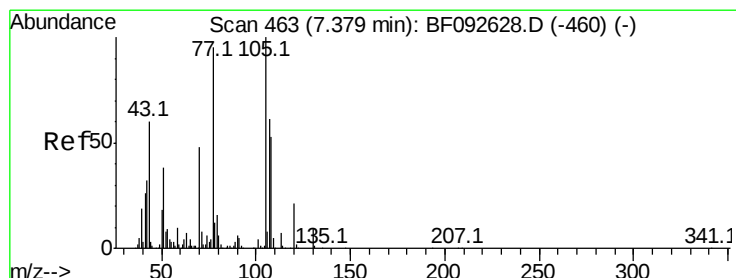
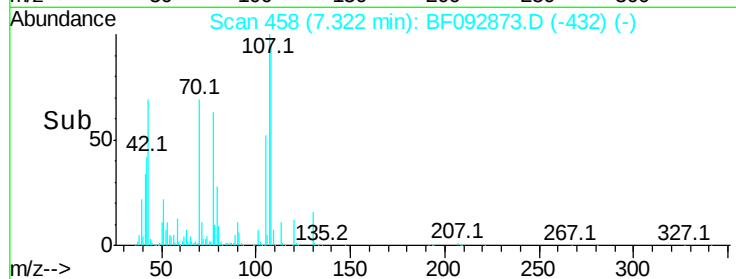
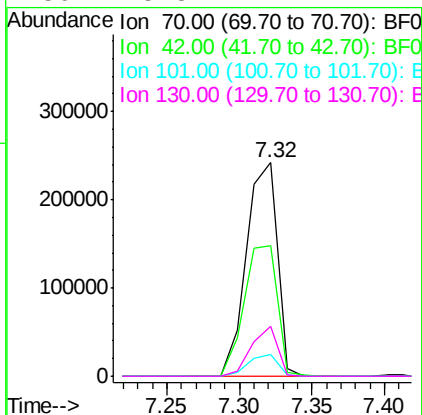
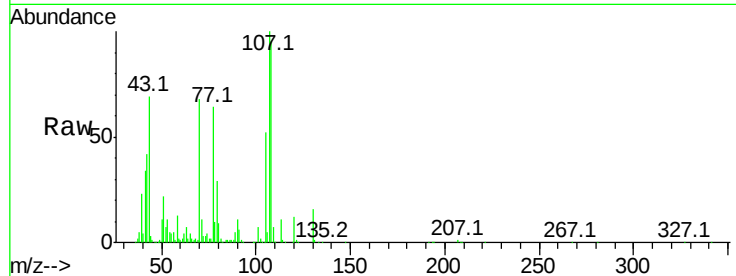
#19  
n-Nitroso-di-n-propylamine  
Concen: 49.51 ng  
RT: 7.32 min Scan# 458  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 61.0  | 49.4  | 74.0  |
| 101     | 9.9   | 7.4   | 11.2  |
| 130     | 23.3  | 14.2  | 21.4  |

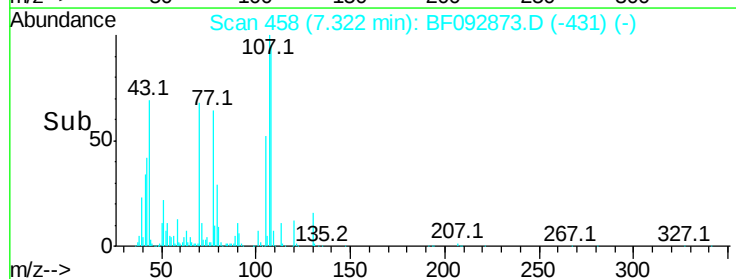
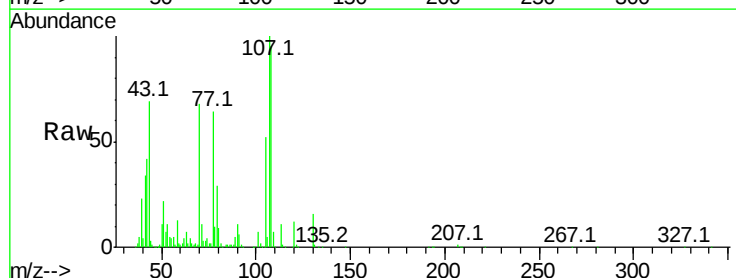
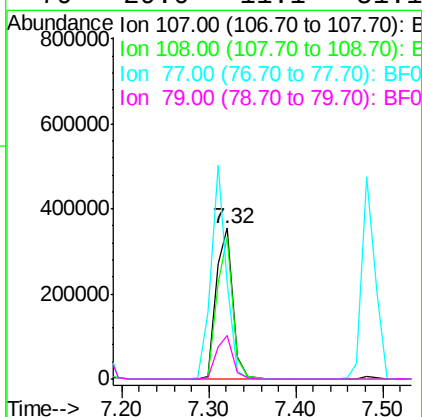
Manual Integrations  
APPROVED

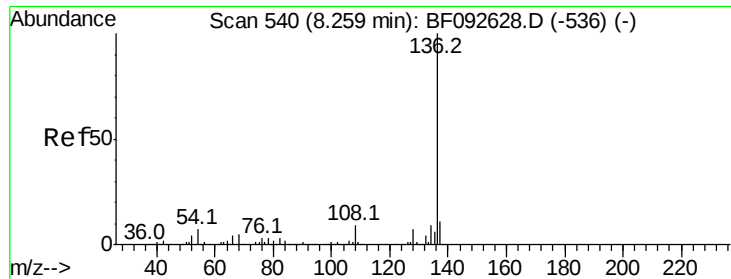
mohammad  
2/9/2017 12:31:34 PM



#20  
3+4-Methylphenols  
Concen: 47.68 ng  
RT: 7.32 min Scan# 458  
Delta R.T. 0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 94.8  | 73.0  | 113.0 |
| 77      | 63.7  | 71.3  | 111.3 |
| 79      | 29.0  | 11.1  | 51.1  |





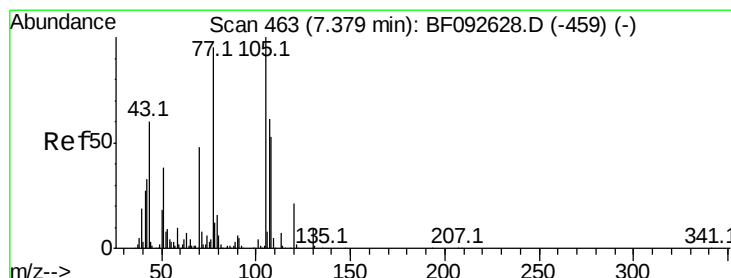
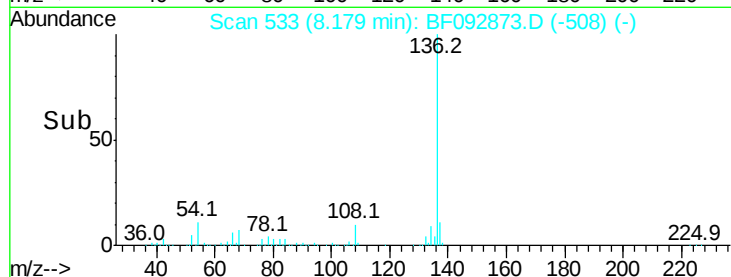
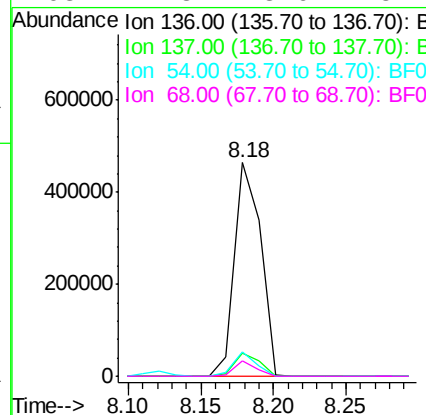
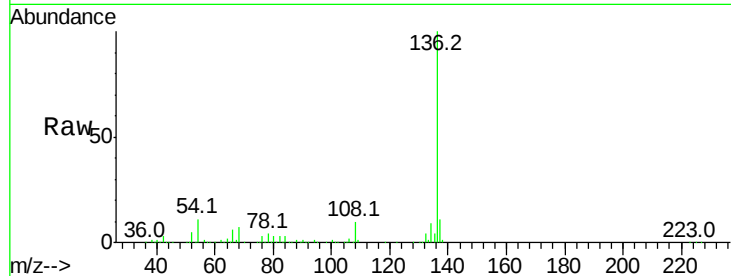
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.8  | 8.4   | 12.6  |
| 54      | 11.3  | 4.5   | 6.7#  |
| 68      | 7.3   | 3.6   | 5.4#  |

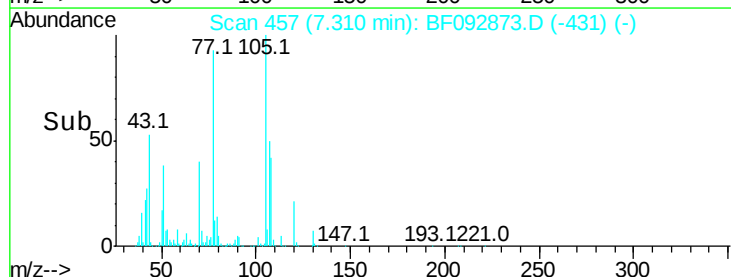
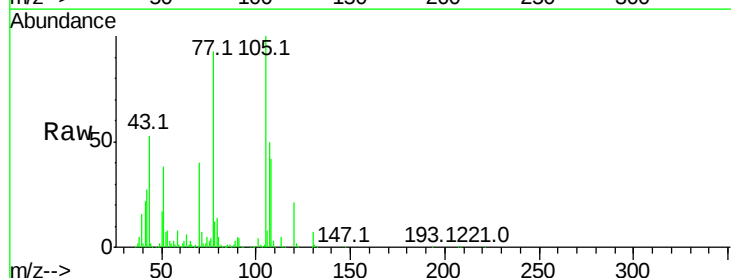
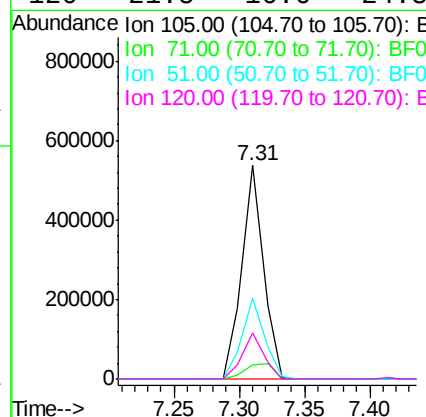
Manual Integrations  
APPROVED

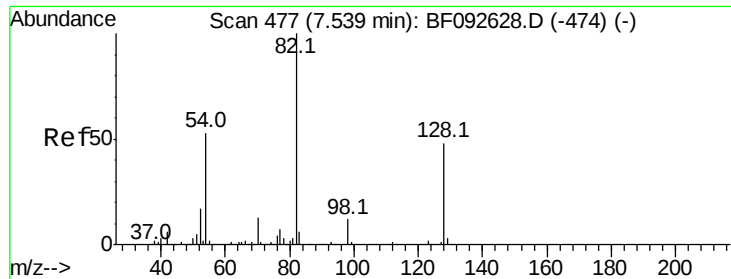
mohammad  
2/9/2017 12:31:34 PM



#22  
Acetophenone  
Concen: 46.76 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 6.5   | 3.2   | 4.8#  |
| 51      | 37.6  | 26.2  | 39.4  |
| 120     | 21.5  | 16.6  | 24.8  |





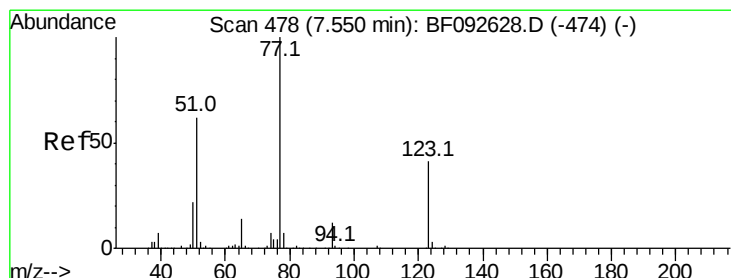
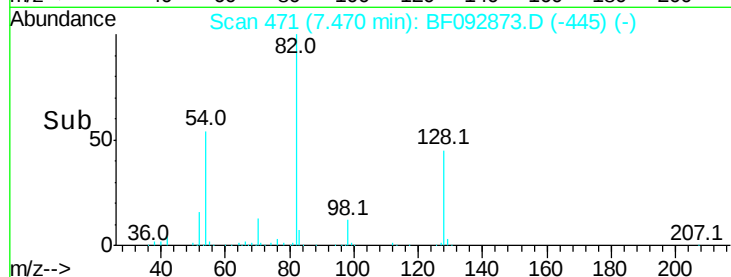
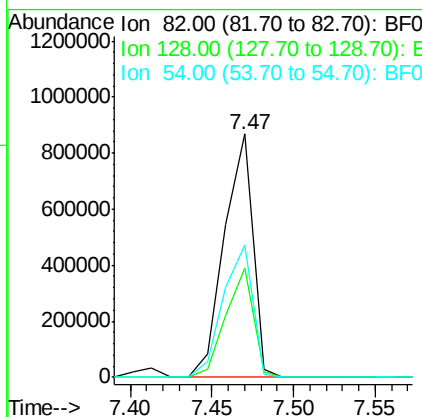
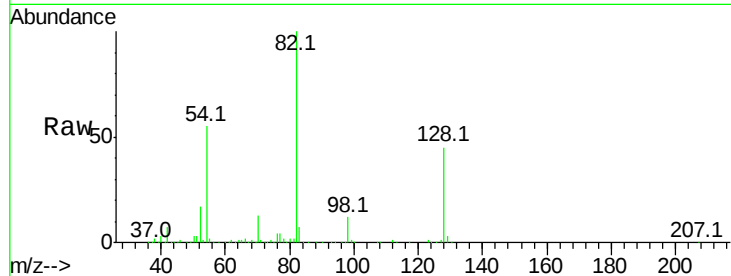
#23  
 Nitrobenzene-d5  
 Concen: 100.07 ng  
 RT: 7.47 min Scan# 471  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

Tot Ion: 82 Resp: 1047757  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 34.6 52.0  
 54 54.5 39.5 59.3

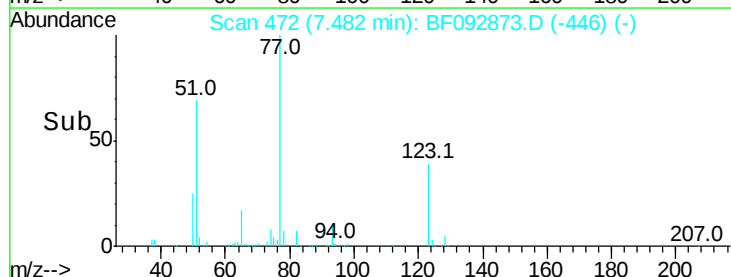
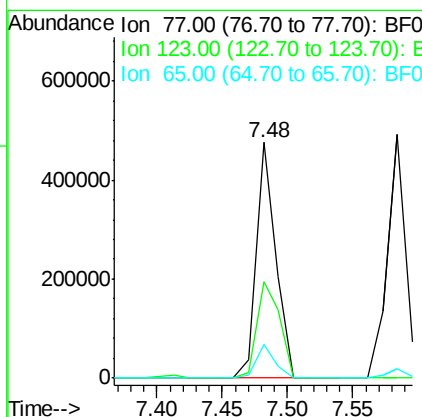
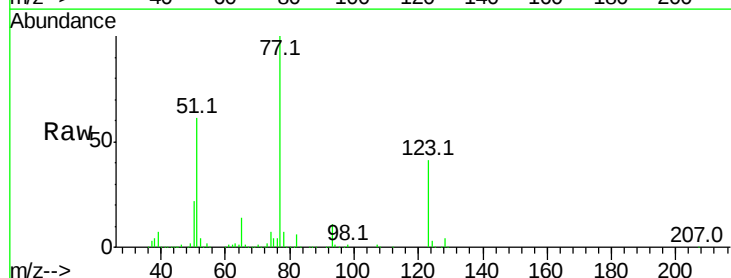
Manual Integrations  
 APPROVED

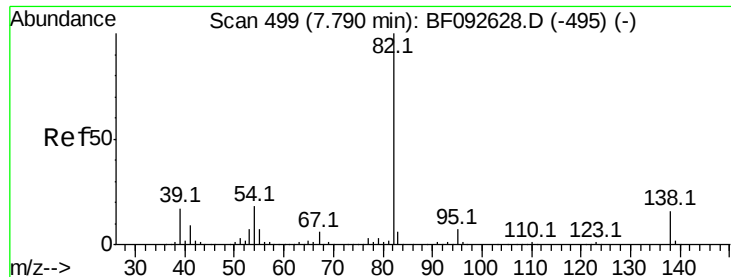
mohammad  
 2/9/2017 12:31:34 PM



#24  
 Nitrobenzene  
 Concen: 46.01 ng  
 RT: 7.48 min Scan# 472  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Tgt Ion: 77 Resp: 494587  
 Ion Ratio Lower Upper  
 77 100  
 123 41.0 33.0 49.4  
 65 14.1 11.2 16.8





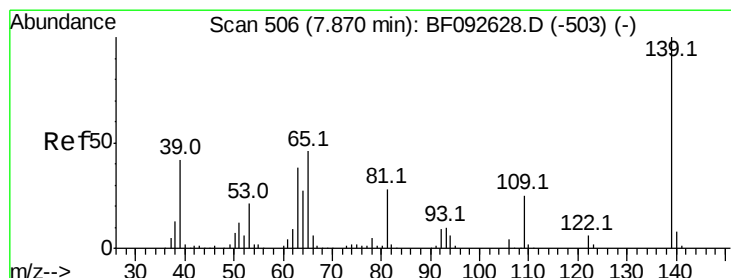
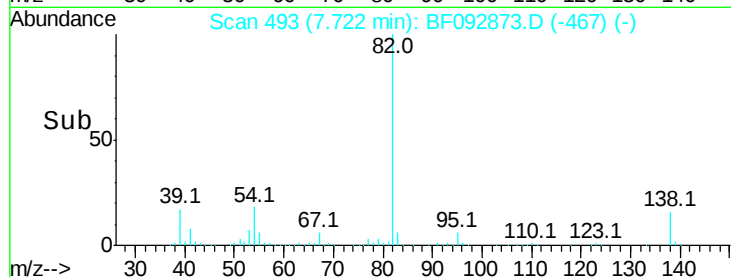
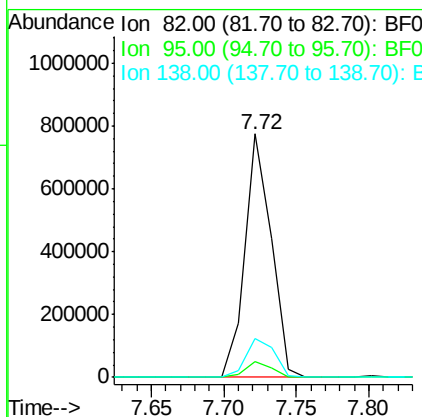
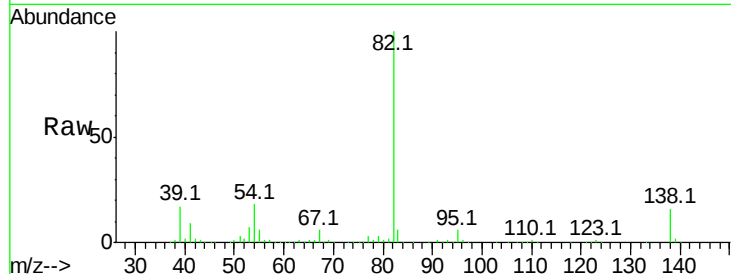
#25  
Isophorone  
Concen: 50.00 ng  
RT: 7.72 min Scan# 493  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 975445 |       |       |
| 95      | 6.3   |        | 5.6   | 8.4   |
| 138     | 15.8  |        | 14.6  | 22.0  |

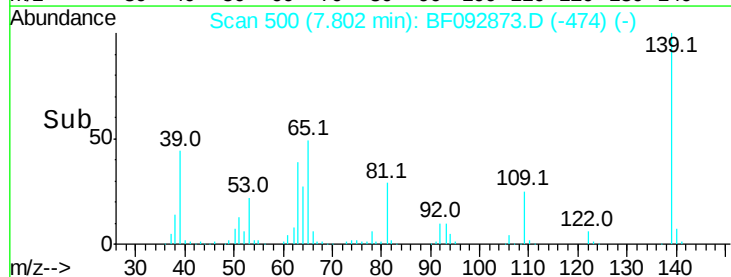
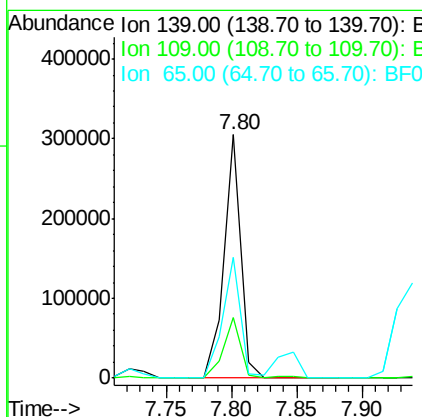
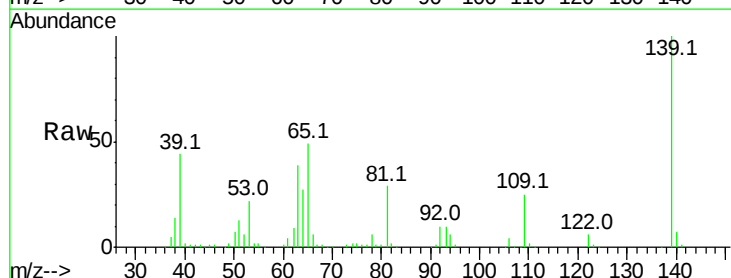
Manual Integrations  
APPROVED

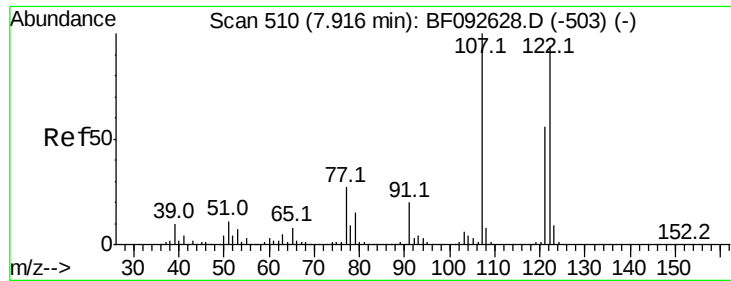
mohammad  
2/9/2017 12:31:34 PM



#26  
2-Nitrophenol  
Concen: 53.88 ng  
RT: 7.80 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 275372 |       |       |
| 109     | 24.9  |        | 23.3  | 34.9  |
| 65      | 49.4  |        | 42.7  | 64.1  |





#27

2,4-Dimethylphenol

Concen: 53.89 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

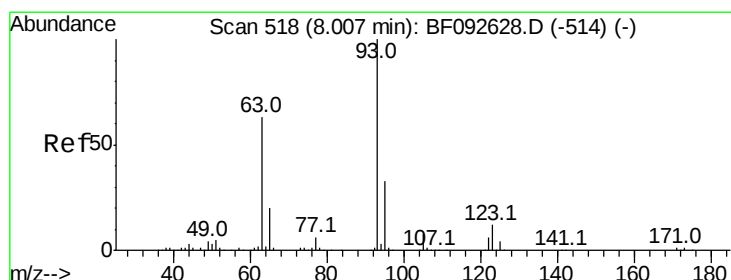
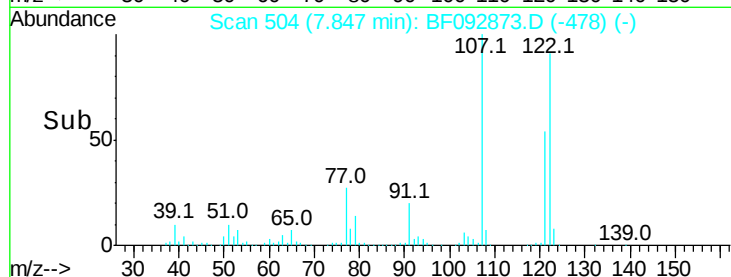
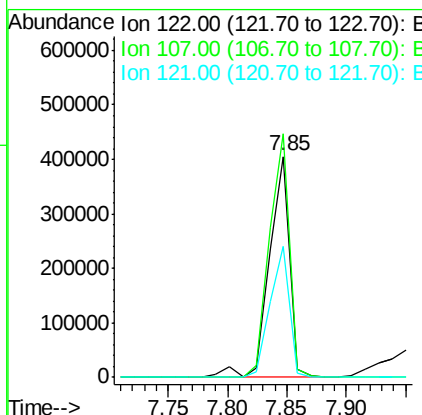
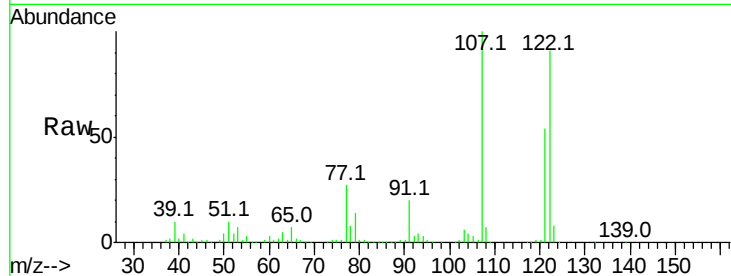
ClientSampleId :

ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 110.2 | 94.1  | 141.1 |
| 121     | 59.4  | 46.0  | 69.0  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#28

bis(2-Chloroethoxy)methane

Concen: 51.56 ng

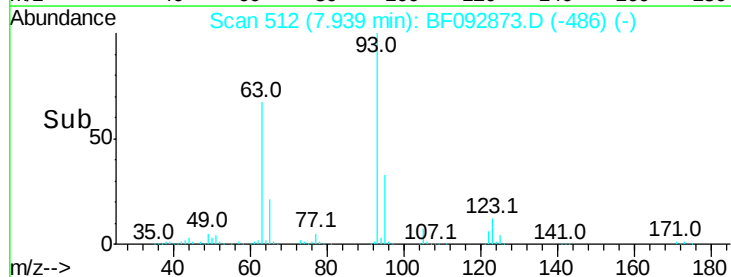
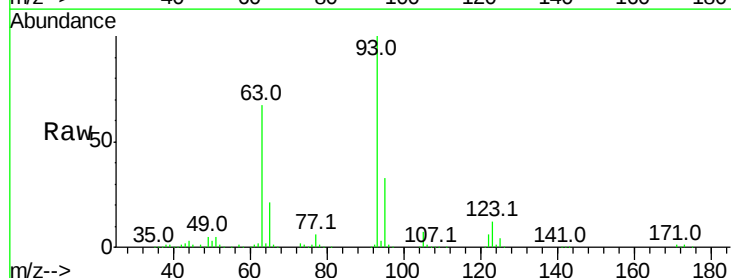
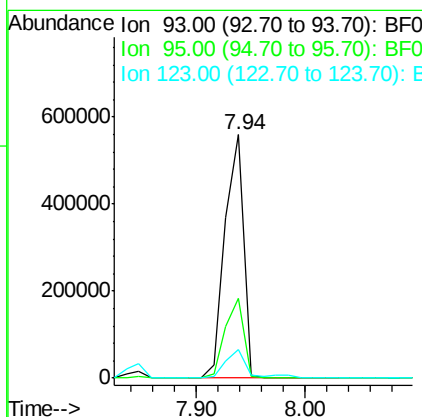
RT: 7.94 min Scan# 512

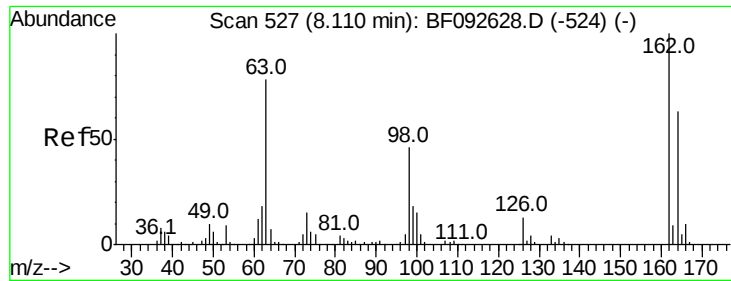
Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.5  | 39.7  |
| 123     | 11.6  | 8.6   | 13.0  |





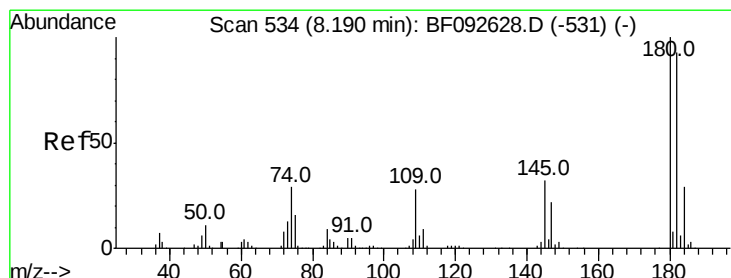
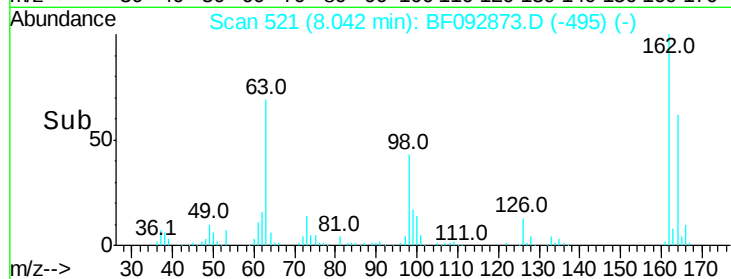
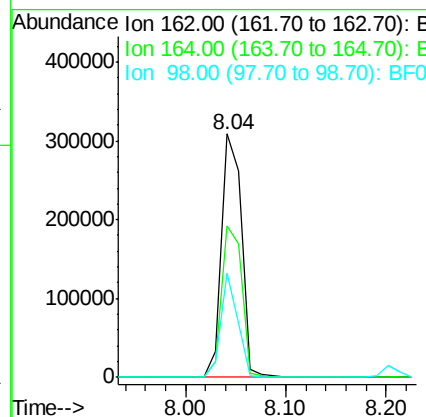
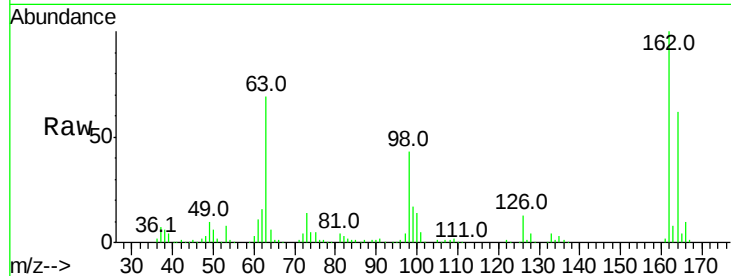
#29  
 2,4-Dichlorophenol  
 Concen: 51.00 ng  
 RT: 8.04 min Scan# 521  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 426866 |       |       |
| 164     | 62.2  | 46.8   | 86.8  |       |
| 98      | 42.8  | 9.1    | 49.1  |       |

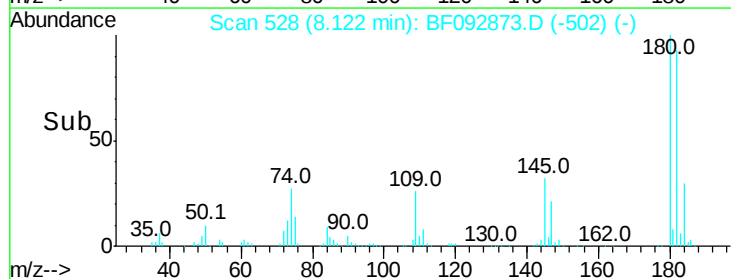
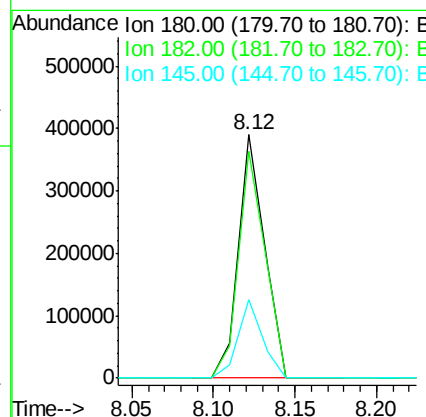
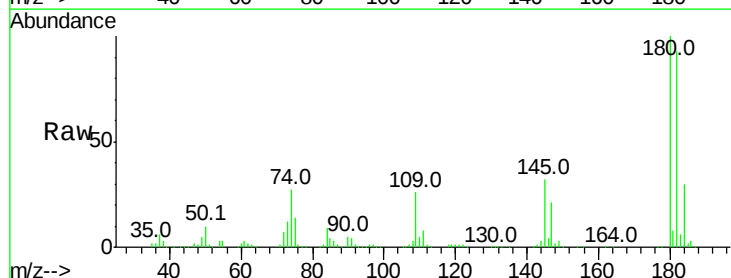
Manual Integrations  
 APPROVED

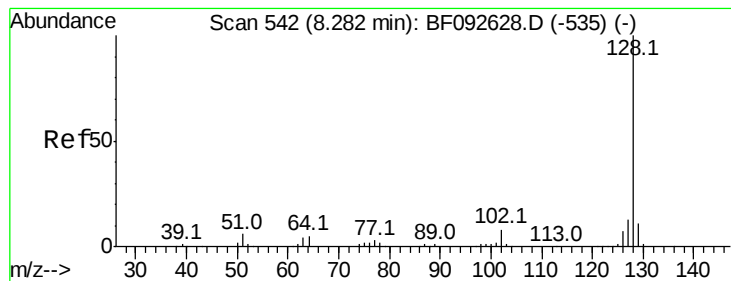
mohammad  
 2/9/2017 12:31:34 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.45 ng  
 RT: 8.12 min Scan# 528  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 428029 |       |       |
| 182     | 93.3  | 78.2   | 117.4 |       |
| 145     | 32.3  | 21.6   | 32.4  |       |





#31

Naphthalene

Concen: 44.56 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSD

Tot Ion:128 Resp: 1316945

Ion Ratio Lower Upper

128 100

129 11.6 9.5 14.3

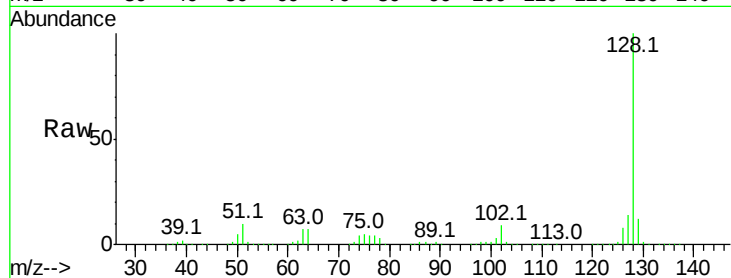
127 13.8 10.8 16.2

Manual Integrations

APPROVED

mohammad

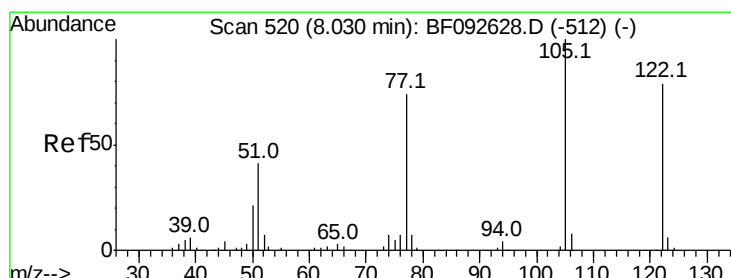
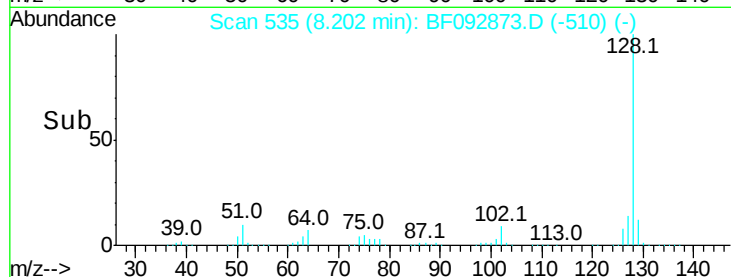
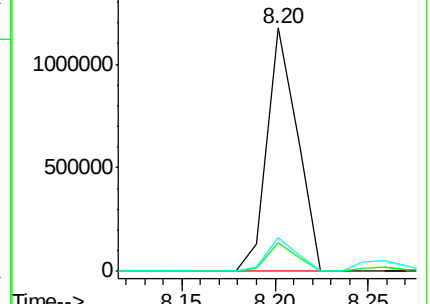
2/9/2017 12:31:34 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 47.25 ng

RT: 7.98 min Scan# 516

Delta R.T. 0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

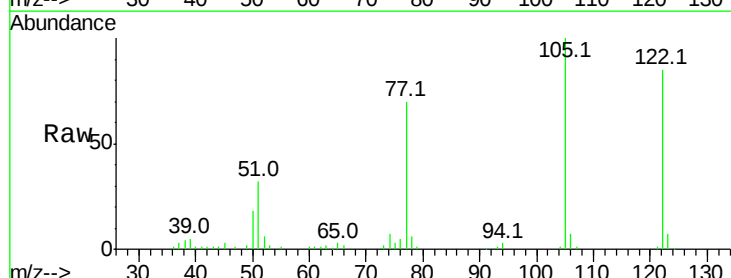
Tgt Ion:122 Resp: 239620

Ion Ratio Lower Upper

122 100

105 117.5 107.2 147.2

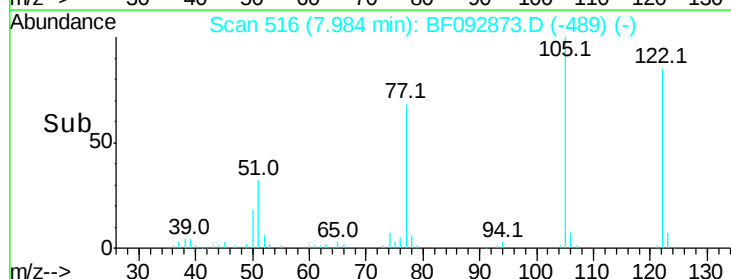
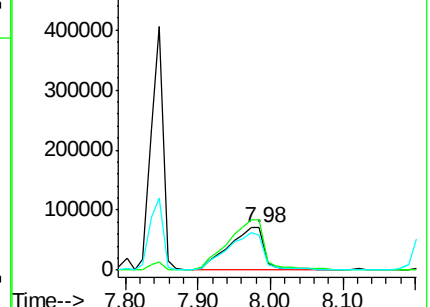
77 82.0 74.5 114.5

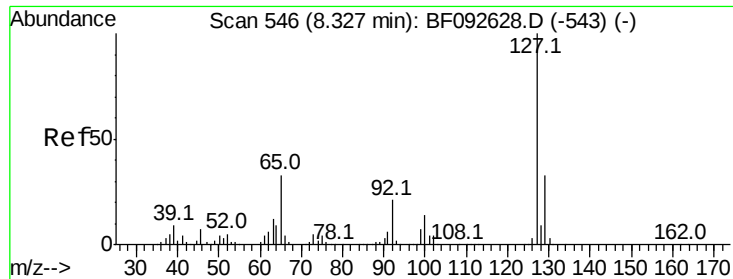


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





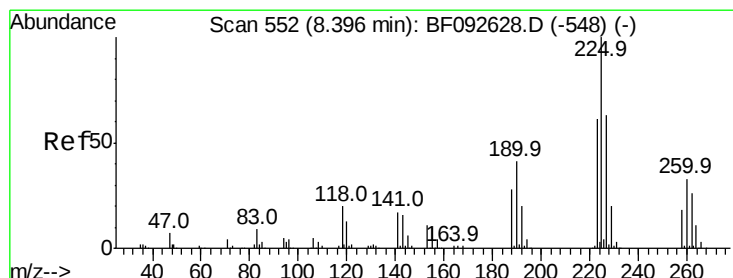
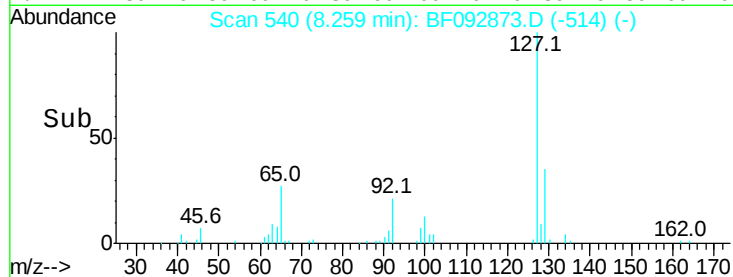
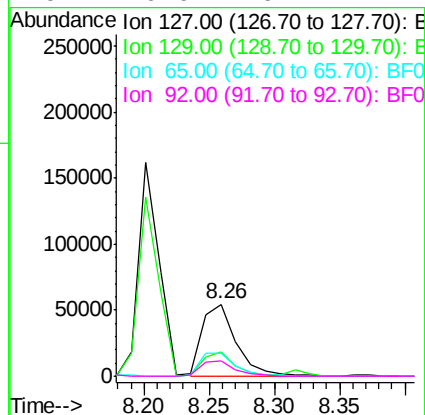
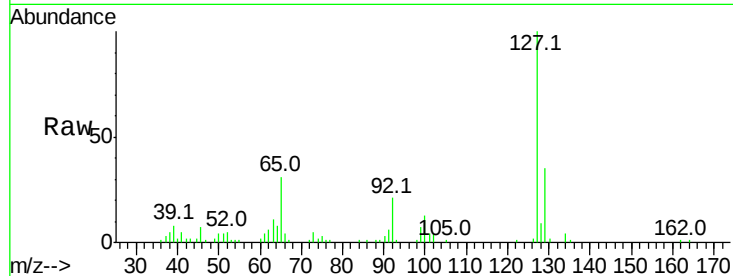
#33  
4-Chloroaniline  
Concen: 8.38 ng  
RT: 8.26 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 127   | Resp: | 97157 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 34.7  | 26.3  | 39.5  |
| 65        | 31.3  | 25.8  | 38.8  |
| 92        | 20.9  | 16.1  | 24.1  |

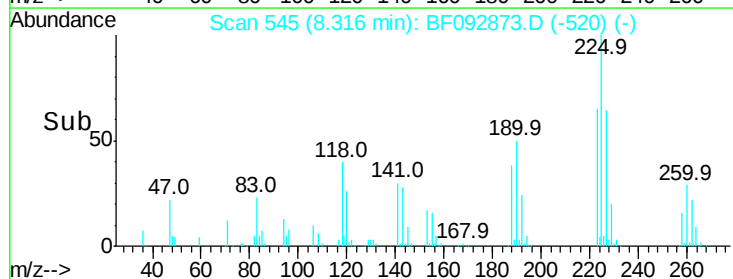
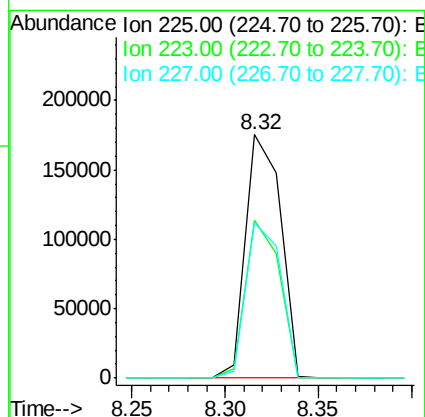
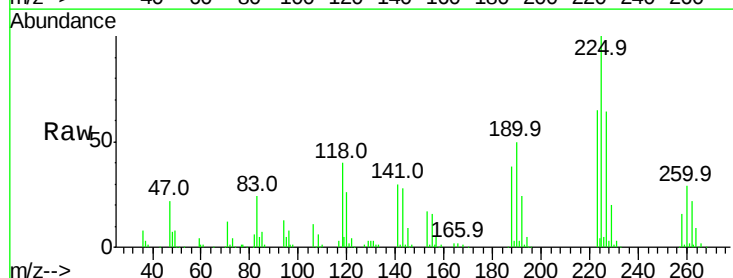
Manual Integrations  
APPROVED

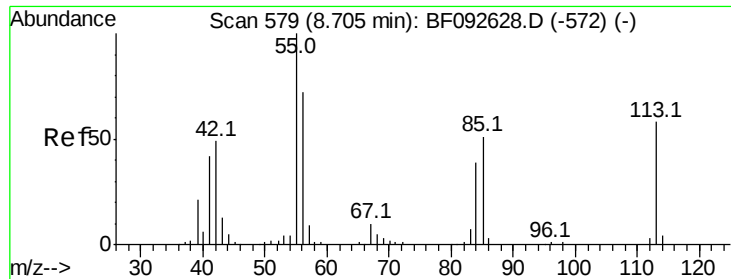
mohammad  
2/9/2017 12:31:34 PM



#34  
Hexachlorobutadiene  
Concen: 46.13 ng  
RT: 8.32 min Scan# 545  
Delta R.T. -0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 228937 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 64.7  | 51.0  | 76.6   |
| 227       | 63.6  | 50.6  | 76.0   |





#35

Caprolactam

Concen: 44.28 ng/ml

RT: 8.64 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleID :

ROLL-OFF-COMPMSD

Tot Ion:113 Resp: 116573

Ion Ratio Lower Upper

113 100

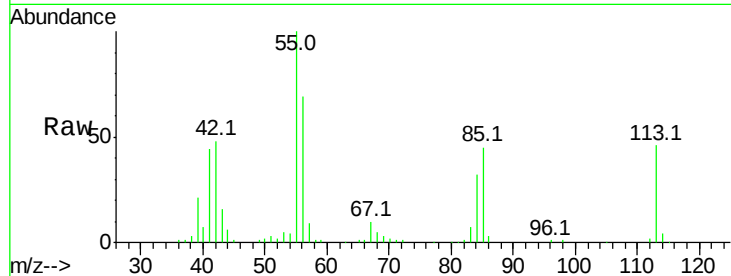
55 216.8 119.2 159.2#

56 149.0 83.8 123.8#

Manual Integrations  
APPROVED

mohammad

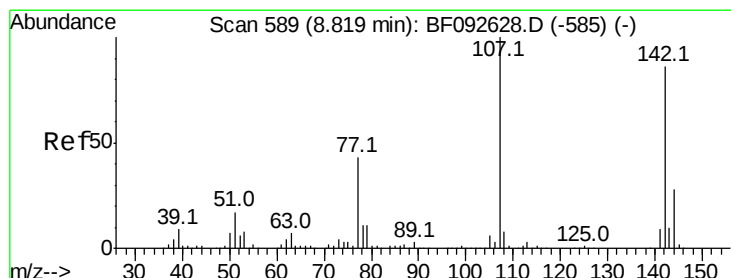
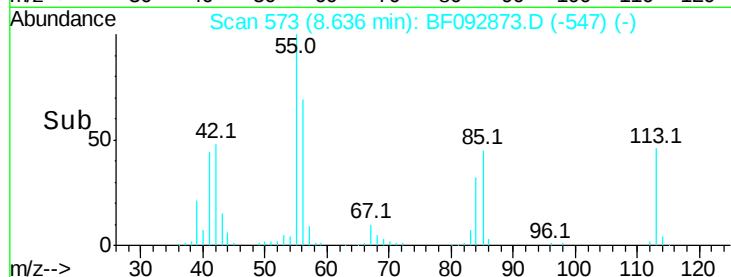
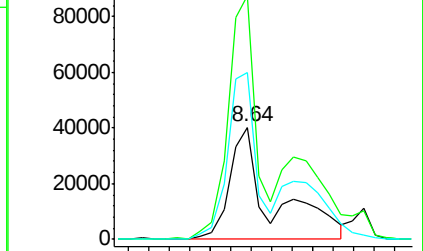
2/9/2017 12:31:34 PM



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: 53.44 ng/ml

RT: 8.75 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

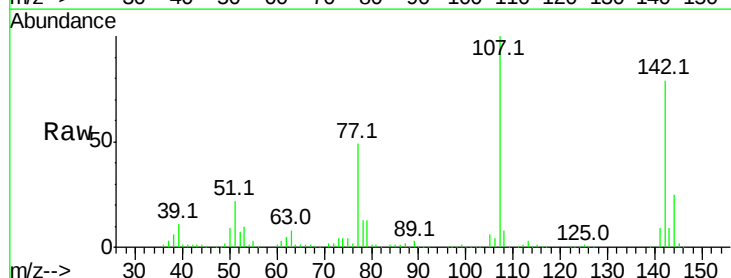
Tgt Ion:107 Resp: 466325

Ion Ratio Lower Upper

107 100

144 25.0 19.3 28.9

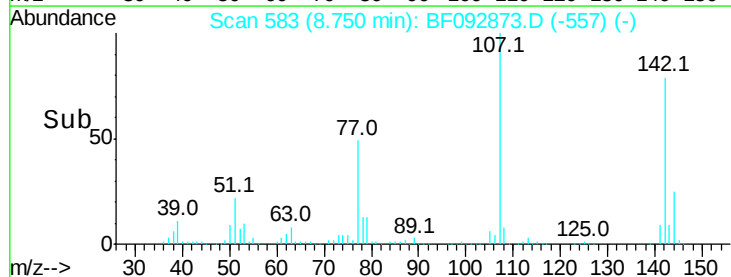
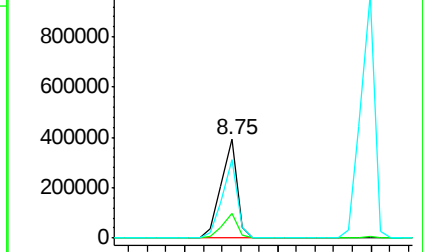
142 78.9 59.0 88.6

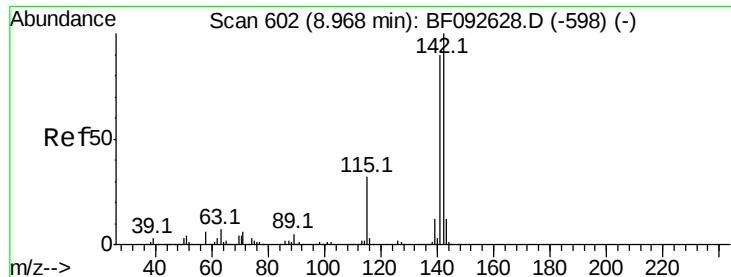


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





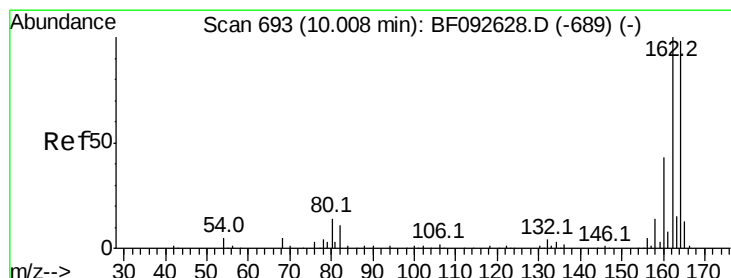
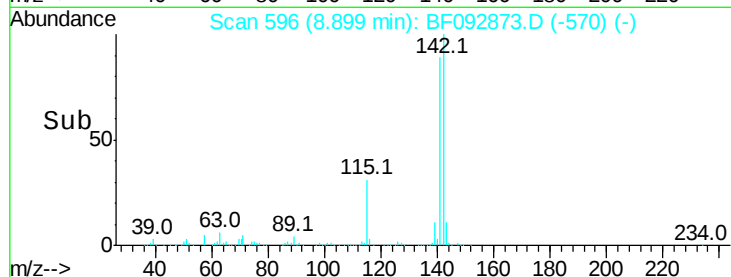
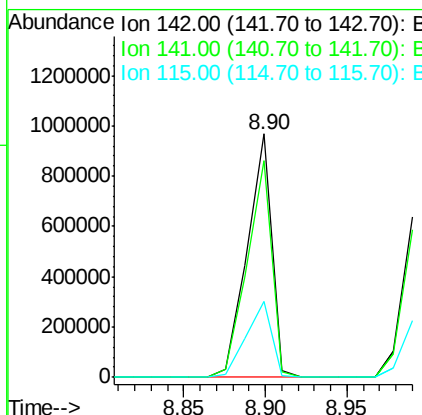
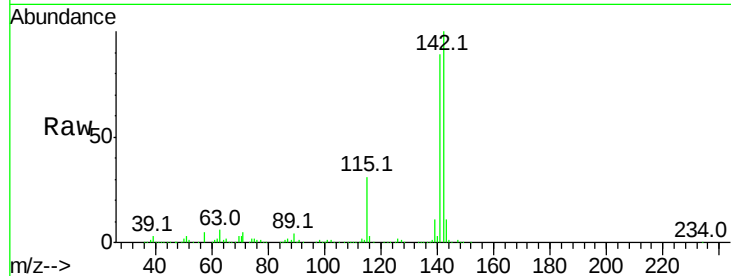
#37  
2-Methylnaphthalene  
Concen: 53.24 ng  
RT: 8.90 min Scan# 596  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.9  | 71.0  | 106.6 |
| 115     | 31.0  | 28.3  | 42.5  |

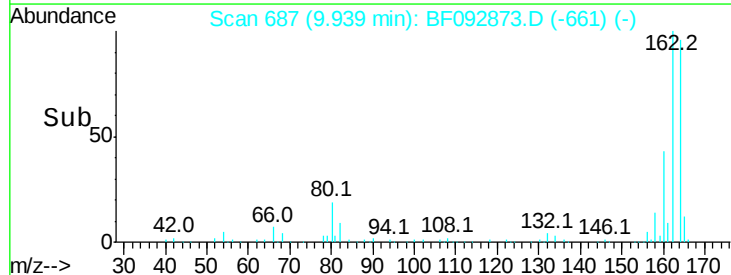
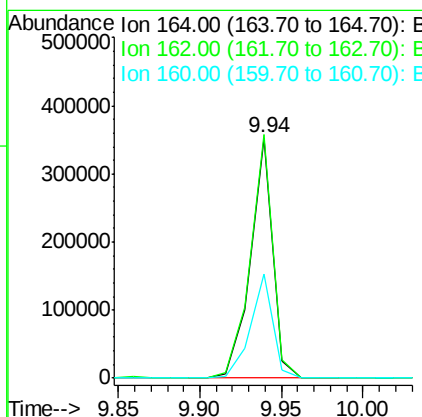
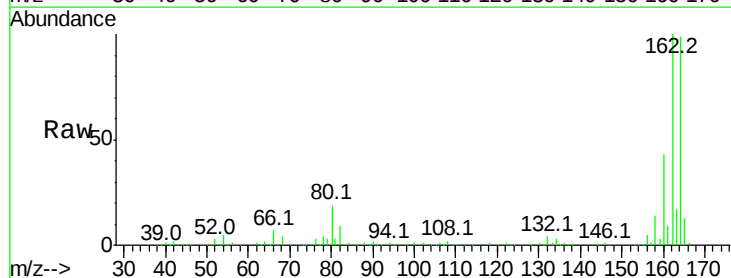
Manual Integrations  
APPROVED

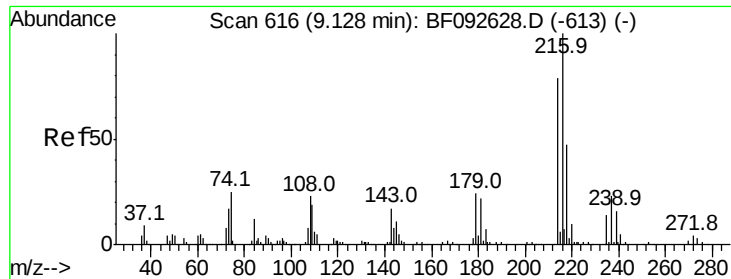
mohammad  
2/9/2017 12:31:34 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.94 min Scan# 687  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 80.2  | 120.2 |
| 160     | 43.3  | 36.9  | 55.3  |





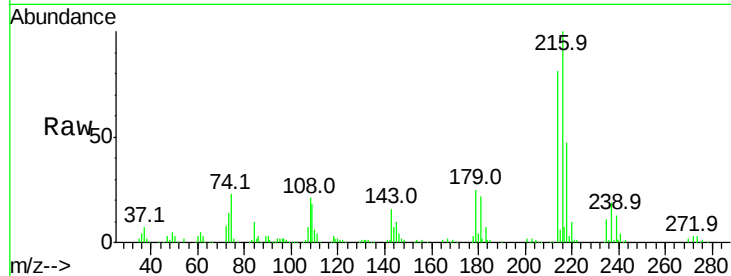
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.28 ng  
 RT: 9.06 min Scan# 610  
 Delta R.T. -0.01 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

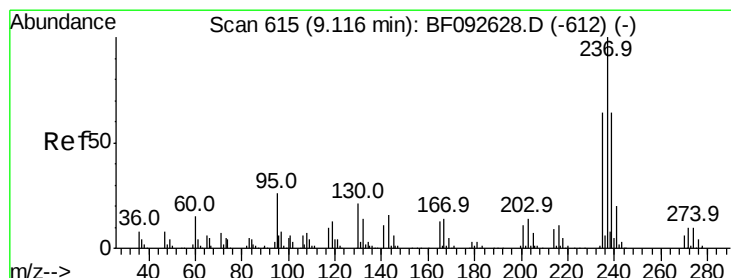
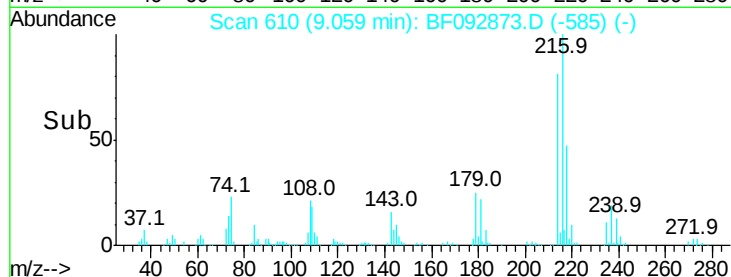
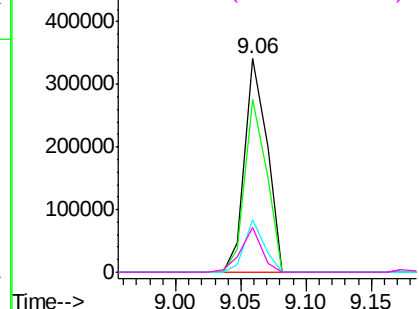
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 216   | Resp: | 405284 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.0  | 63.4  | 95.0   |
| 179       | 21.4  | 17.4  | 26.2   |
| 108       | 19.5  | 15.6  | 23.4   |

Manual Integrations  
 APPROVED

mohammad  
 2/9/2017 12:31:34 PM

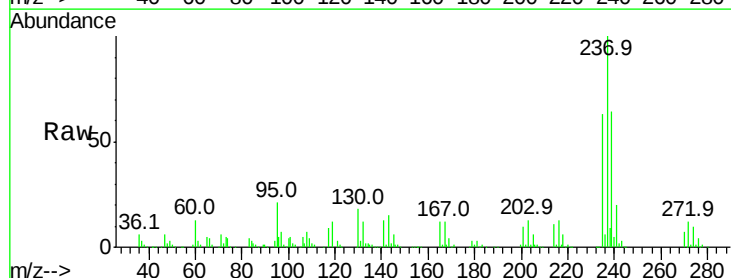


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

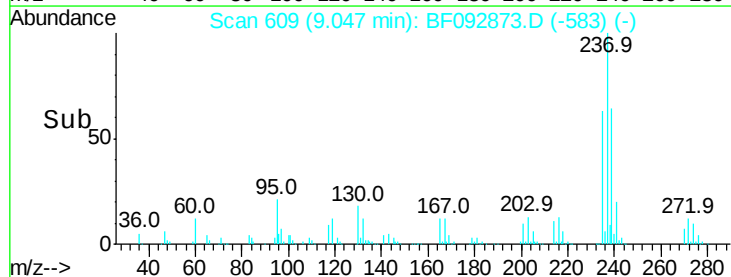
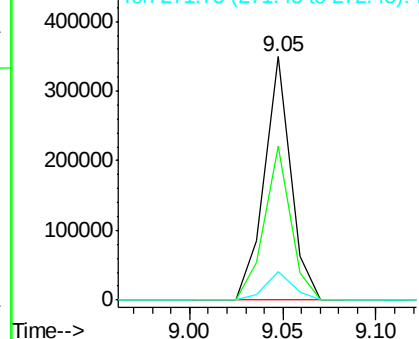


#40  
 Hexachlorocyclopentadiene  
 Concen: 80.86 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 341597 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.3  | 41.2  | 81.2   |
| 272       | 11.8  | 0.0   | 35.4   |



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





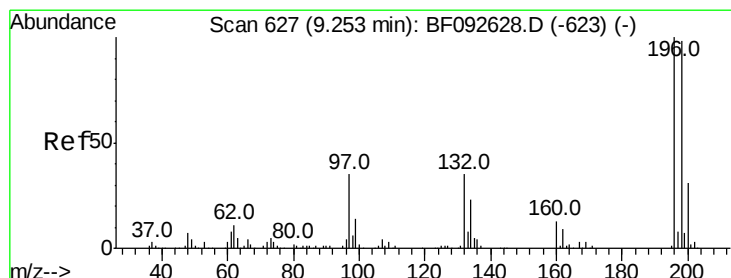
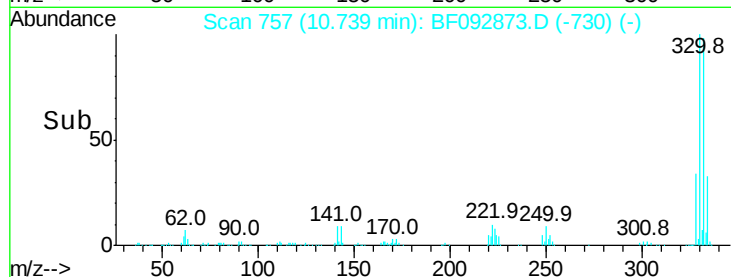
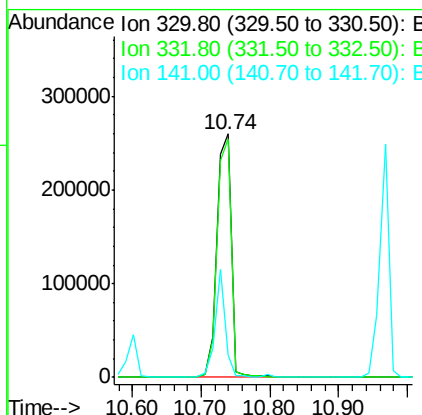
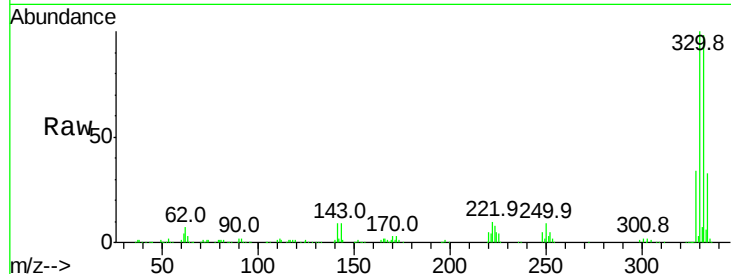
#41  
 2,4,6-Tribromophenol  
 Concen: 159.21 ng  
 RT: 10.74 min Scan# 757  
 Delta R.T. 0.01 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 384114 |       |       |
| 332     | 97.8  |        | 77.4  | 116.2 |
| 141     | 31.6  |        | 34.1  | 51.1# |

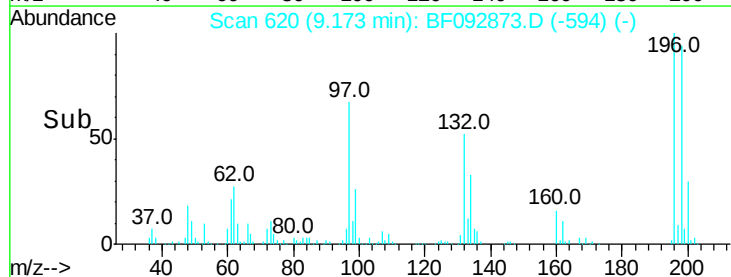
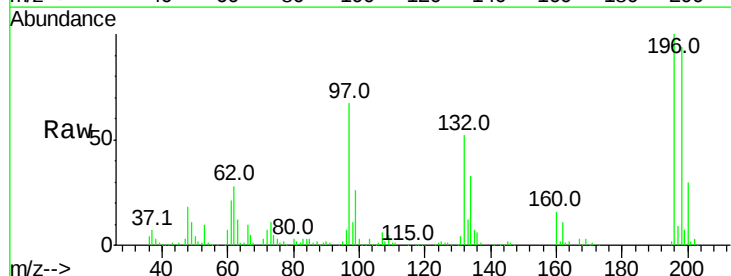
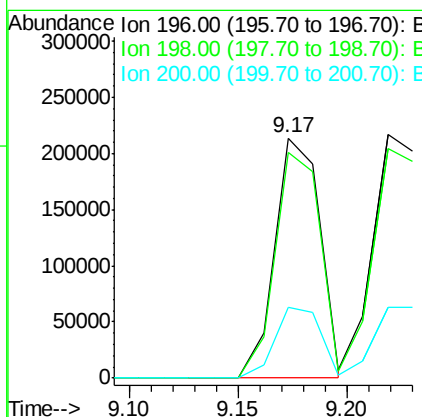
Manual Integrations  
 APPROVED

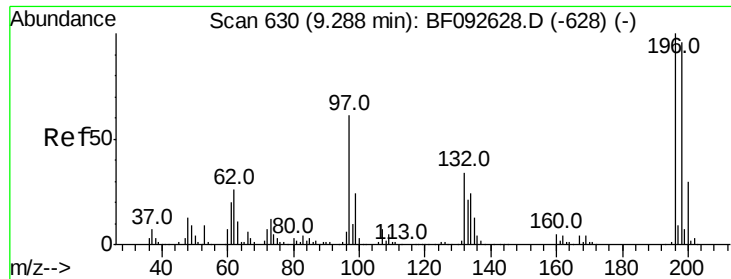
mohammad  
 2/9/2017 12:31:34 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 50.40 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 310128 |       |       |
| 198     | 94.2  |        | 82.1  | 123.1 |
| 200     | 29.6  |        | 27.0  | 40.4  |





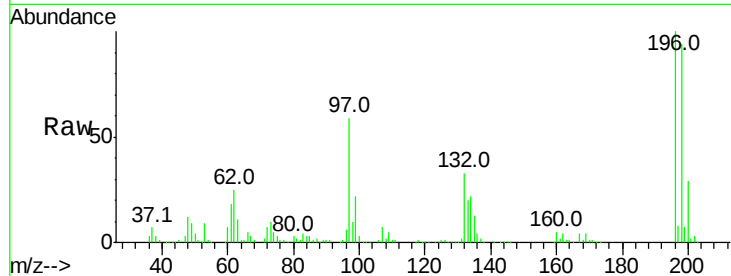
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.50 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

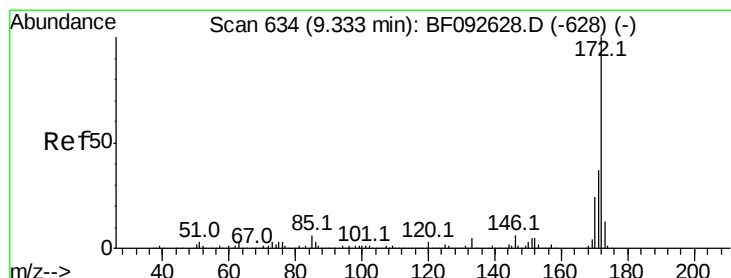
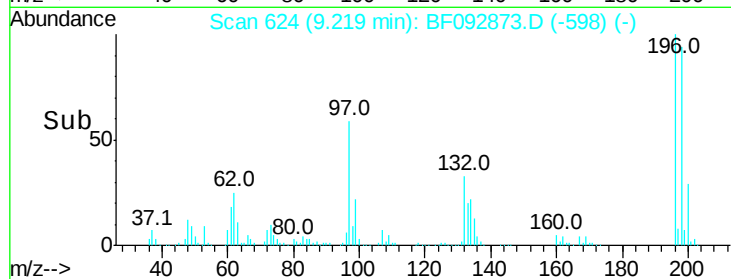
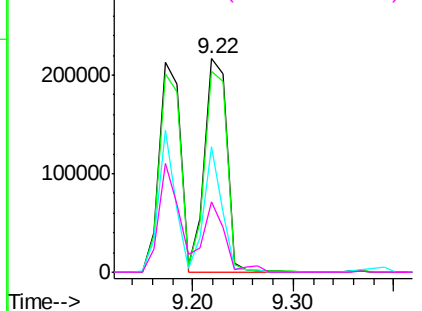
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 333696 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.2  | 79.4  | 119.2  |
| 97        | 58.7  | 51.5  | 77.3   |
| 132       | 33.1  | 27.4  | 41.2   |

Manual Integrations  
 APPROVED

mohammad  
 2/9/2017 12:31:34 PM



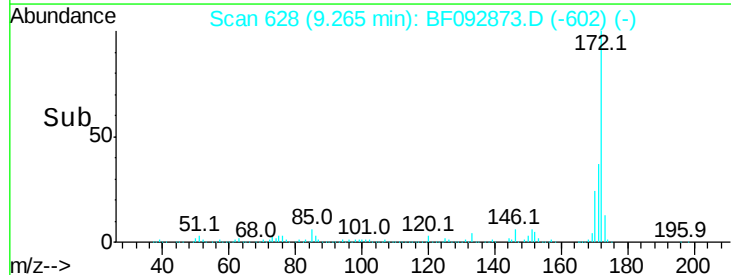
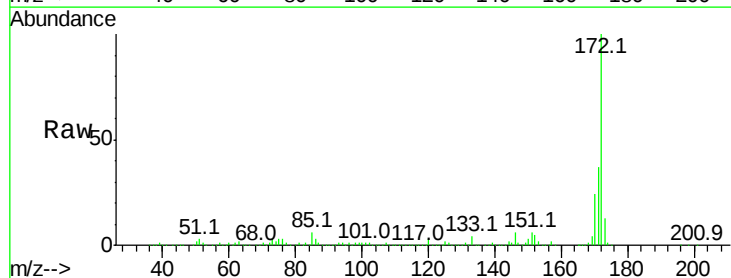
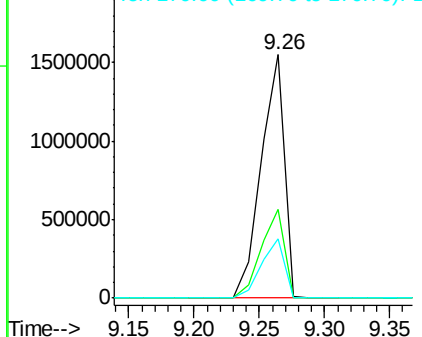
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 104.87 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1931015 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.6  | 29.4  | 44.0    |
| 170       | 24.3  | 20.2  | 30.4    |

Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.06 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSSD

Tot Ion:154 Resp: 1112676

Ion Ratio Lower Upper

154 100

153 41.7 20.9 60.9

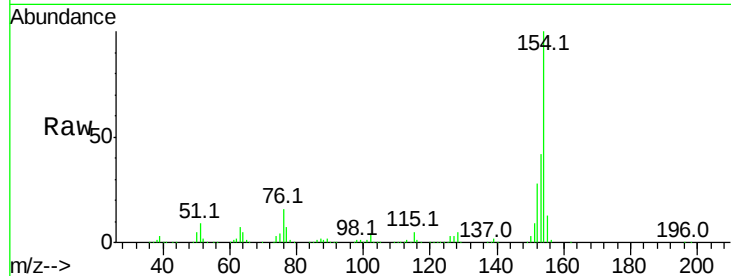
76 16.2 0.0 30.5

Manual Integrations

APPROVED

mohammad

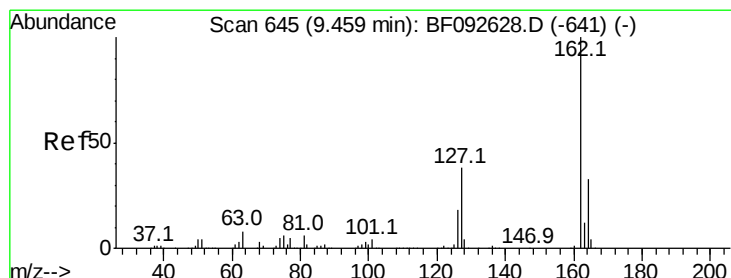
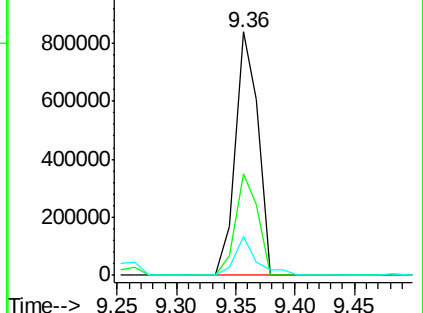
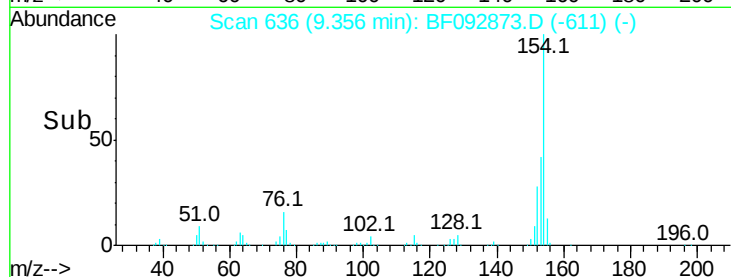
2/9/2017 12:31:34 PM



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: 51.40 ng

RT: 9.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

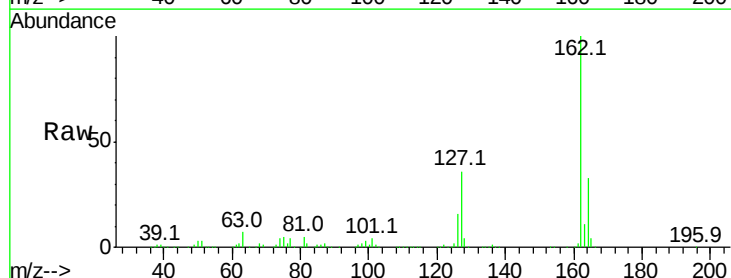
Tgt Ion:162 Resp: 971273

Ion Ratio Lower Upper

162 100

127 35.6 30.7 46.1

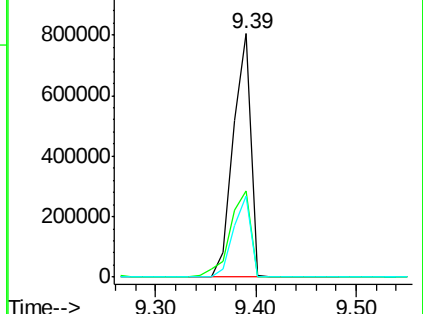
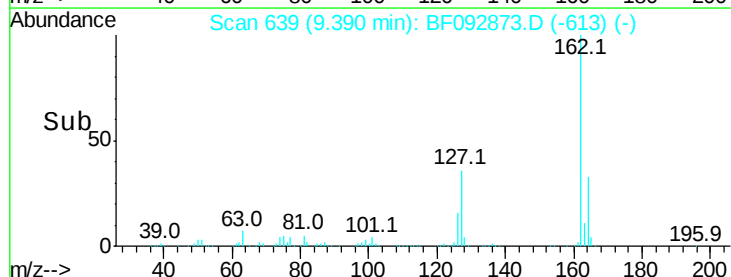
164 33.4 27.6 41.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





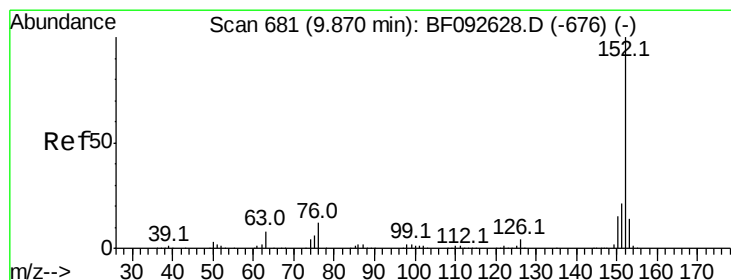
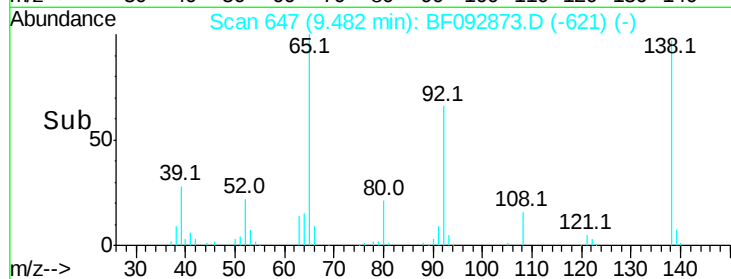
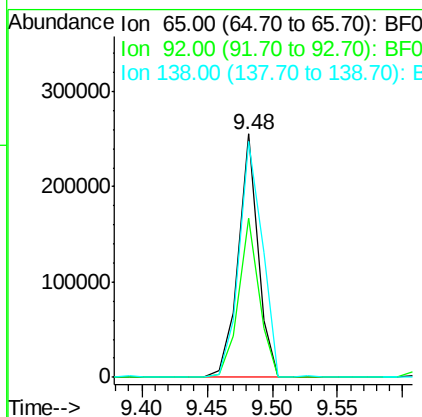
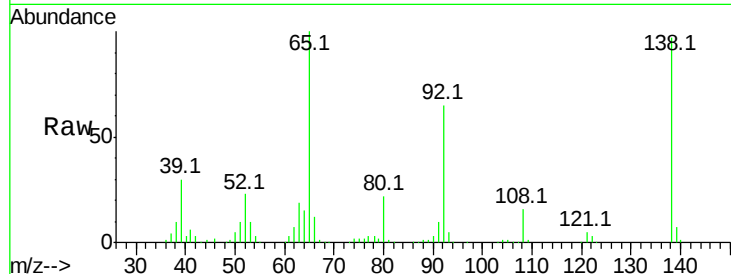
#47  
 2-Nitroaniline  
 Concen: 42.27 ng  
 RT: 9.48 min Scan# 647  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.2  | 53.9  | 80.9  |
| 138     | 96.7  | 76.8  | 115.2 |

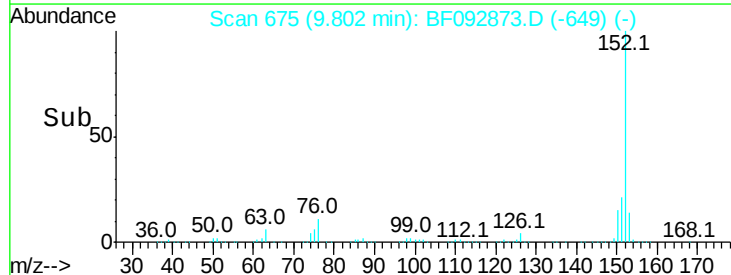
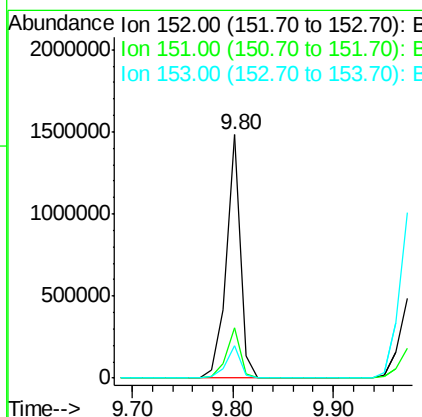
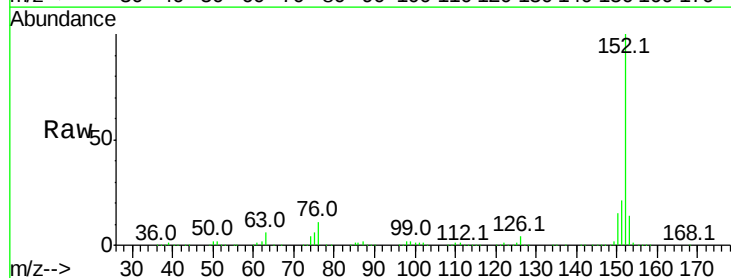
Manual Integrations  
 APPROVED

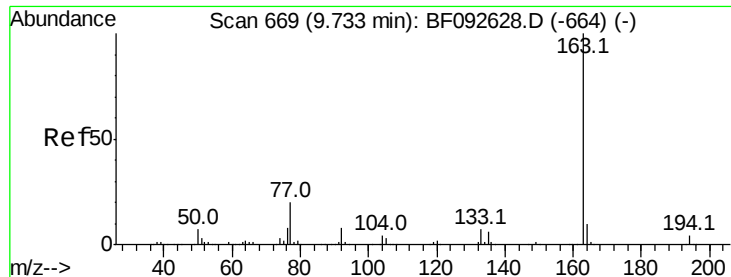
mohammad  
 2/9/2017 12:31:34 PM



#48  
 Acenaphthylene  
 Concen: 44.03 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 16.9  | 25.3  |
| 153     | 13.5  | 11.4  | 17.2  |





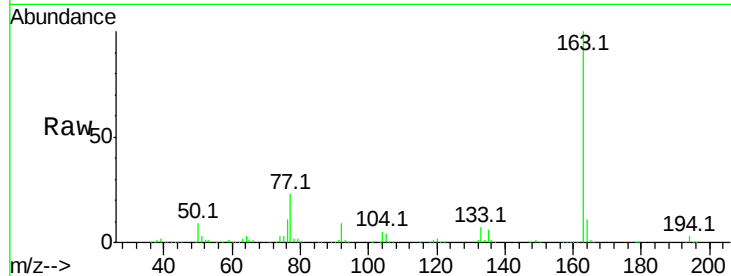
#49  
Dimethylphthalate  
Concen: 47.87 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

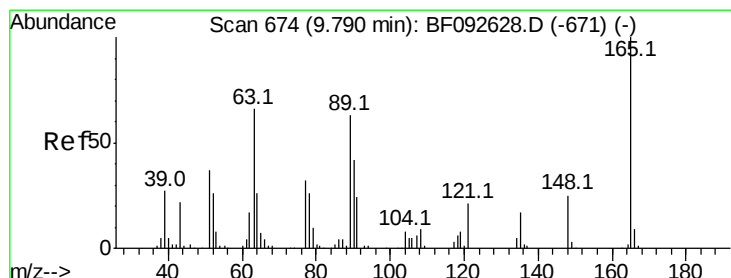
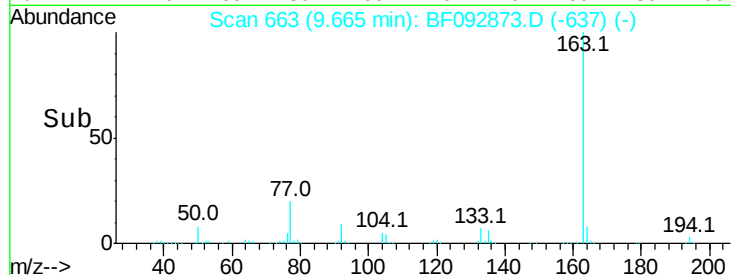
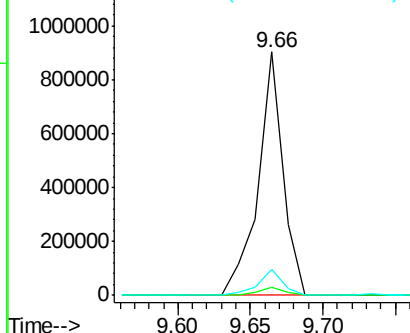
Tot Ion:163 Resp: 1075668  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.4  
164 10.7 8.0 12.0

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM

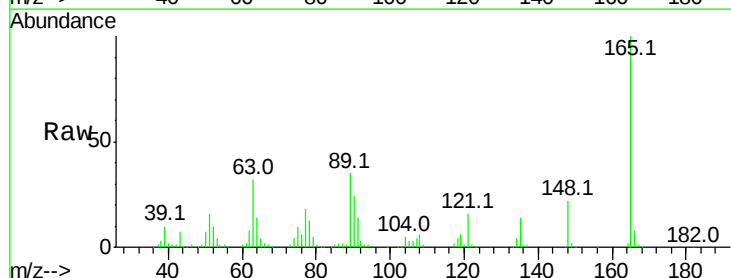


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

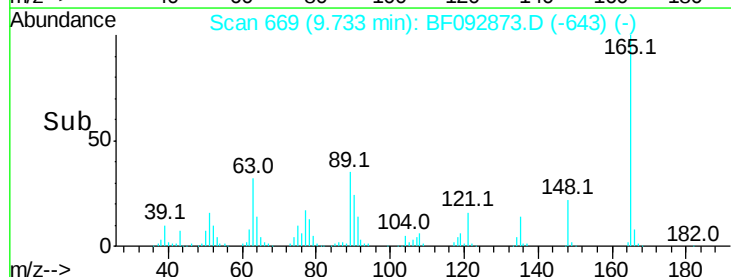
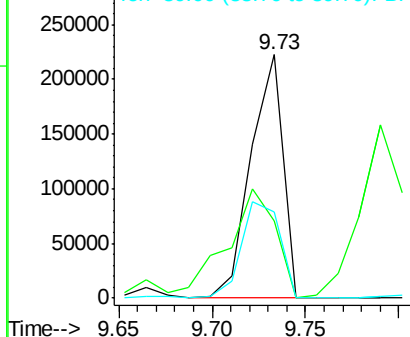


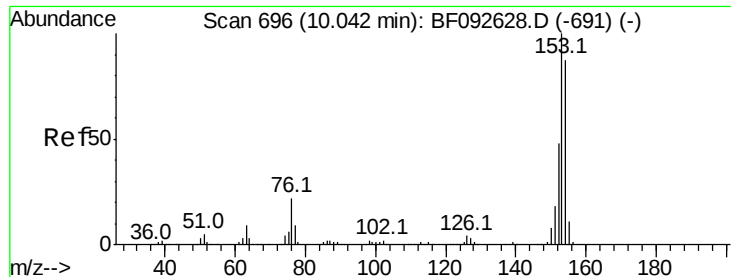
#50  
2,6-Dinitrotoluene  
Concen: 54.60 ng  
RT: 9.73 min Scan# 669  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Tgt Ion:165 Resp: 264952  
Ion Ratio Lower Upper  
165 100  
63 31.8 36.2 54.4#  
89 35.3 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.02 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSD

Tot Ion:154 Resp: 878573

Ion Ratio Lower Upper

154 100

153 115.6 88.6 133.0

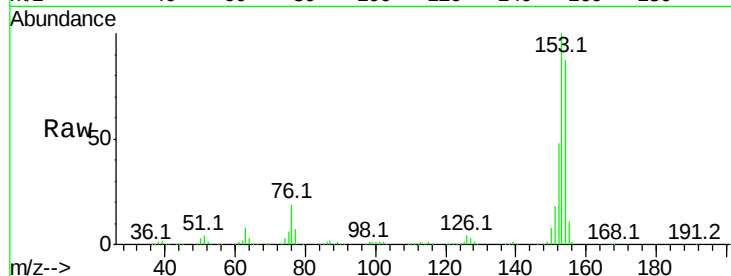
152 55.4 41.6 62.4

Manual Integrations

APPROVED

mohammad

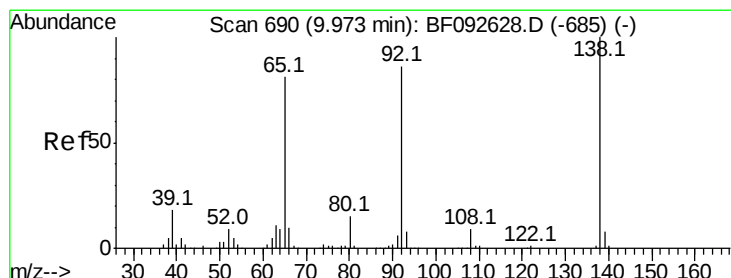
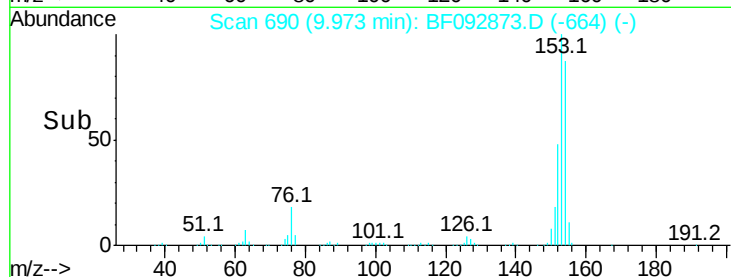
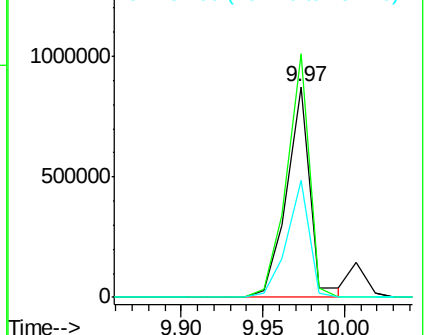
2/9/2017 12:31:34 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.71 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

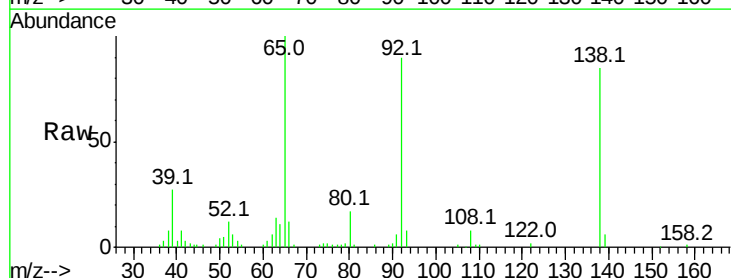
Tgt Ion:138 Resp: 59457

Ion Ratio Lower Upper

138 100

108 9.9 8.5 12.7

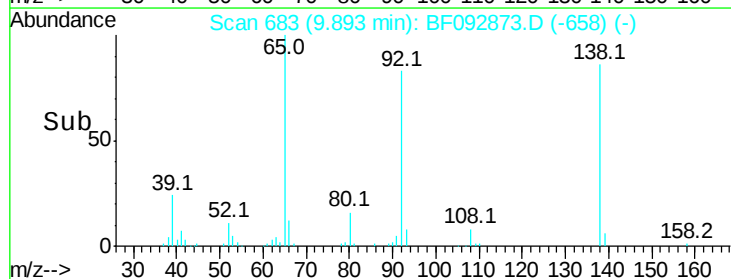
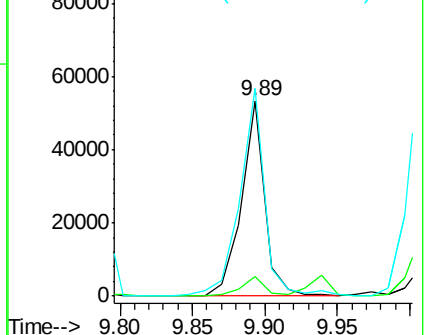
92 106.1 97.8 146.8

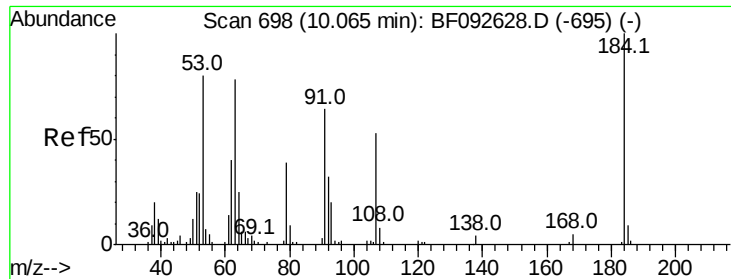


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 99.28 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSD

Tot Ion:184 Resp: 248069

Ion Ratio Lower Upper

184 100

63 70.6 28.4 42.6#

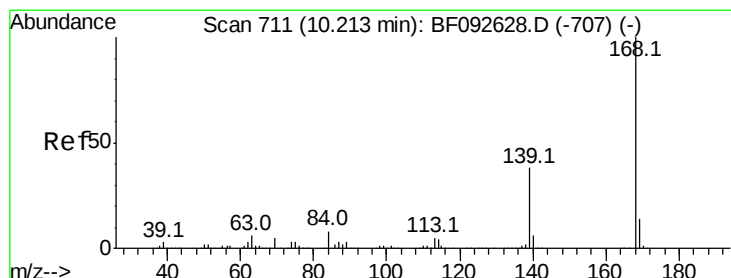
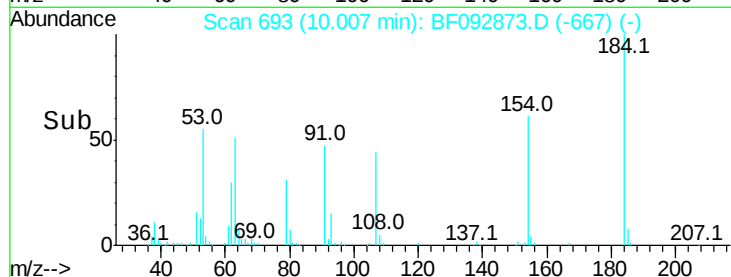
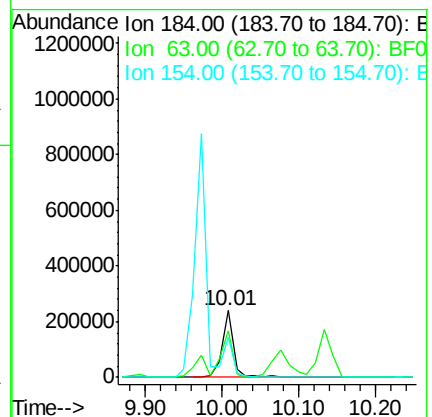
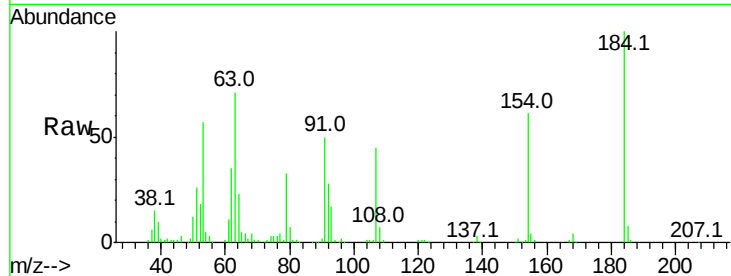
154 61.0 44.3 66.5

Manual Integrations

APPROVED

mohammad

2/9/2017 12:31:34 PM



#54

Dibenzofuran

Concen: 47.23 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

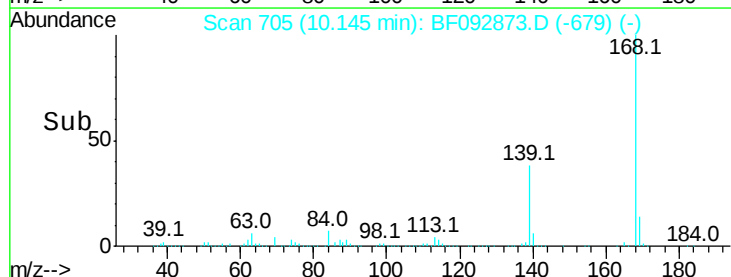
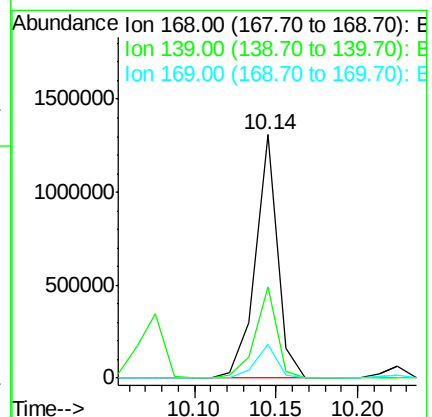
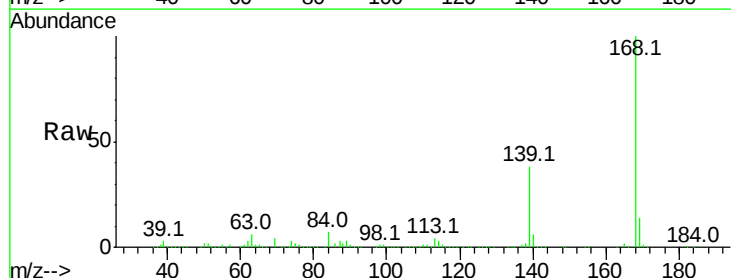
Tgt Ion:168 Resp: 1232871

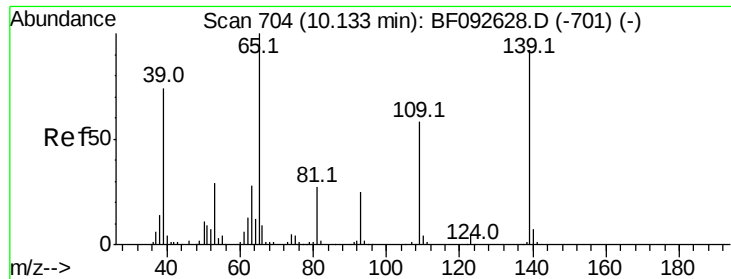
Ion Ratio Lower Upper

168 100

139 37.6 32.6 49.0

169 13.7 11.3 16.9





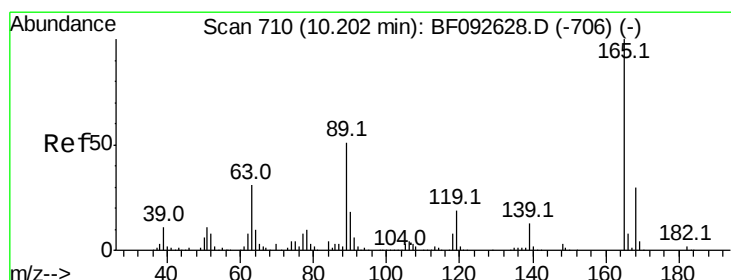
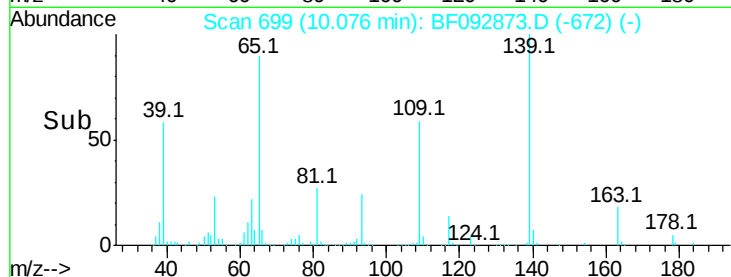
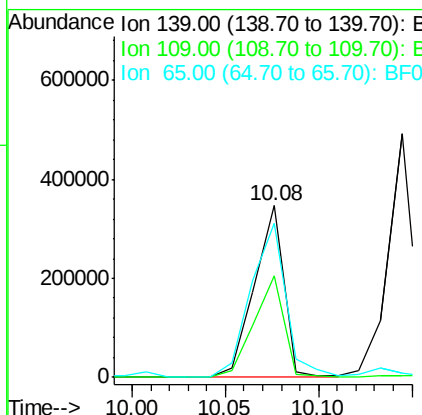
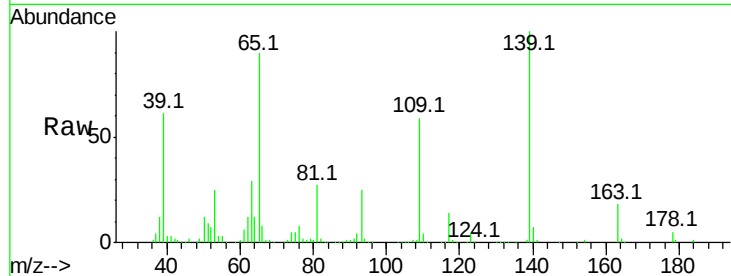
#55  
4-Nitrophenol  
Concen: 95.87 ng  
RT: 10.08 min Scan# 699  
Delta R.T. 0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 59.0  | 52.2  | 92.2  |
| 65      | 90.0  | 85.8  | 125.8 |

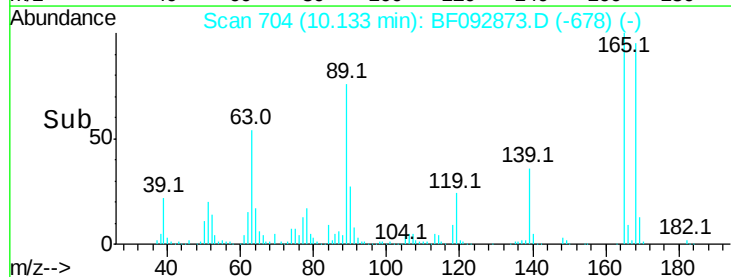
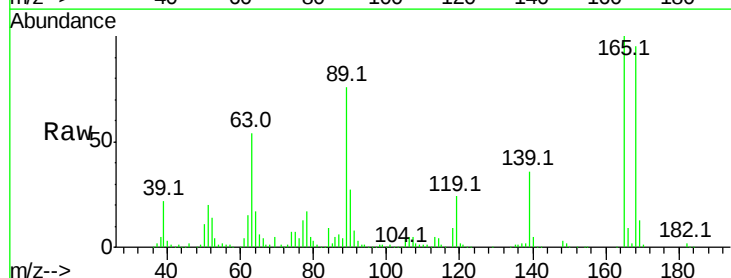
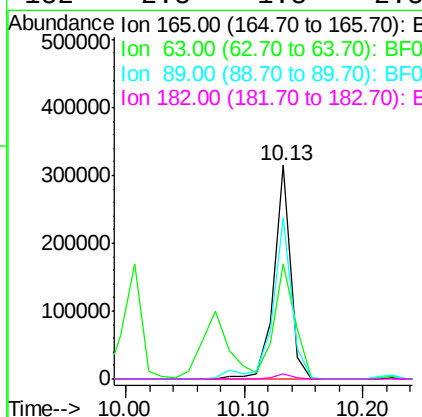
Manual Integrations  
APPROVED

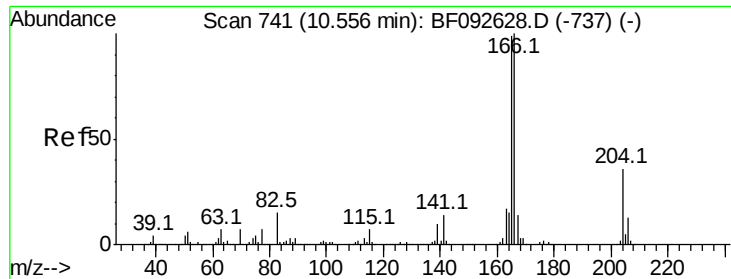
mohammad  
2/9/2017 12:31:34 PM



#56  
2,4-Dinitrotoluene  
Concen: 47.43 ng  
RT: 10.13 min Scan# 704  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 54.2  | 40.2  | 60.4  |
| 89      | 75.7  | 62.5  | 93.7  |
| 182     | 2.3   | 1.8   | 2.8   |





#57

Fluorene

Concen: 46.64 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

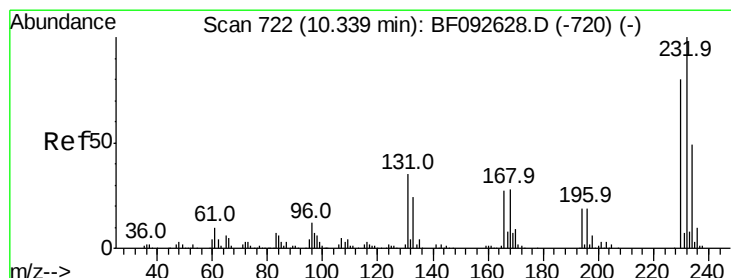
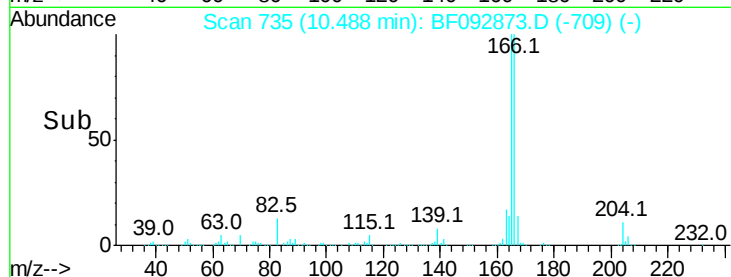
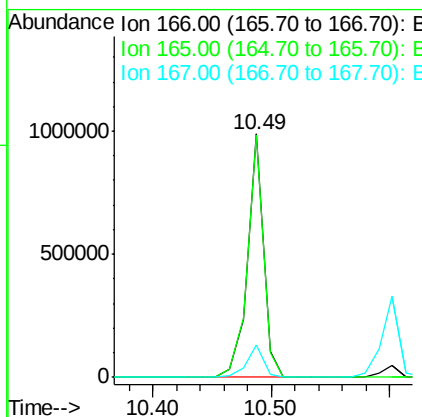
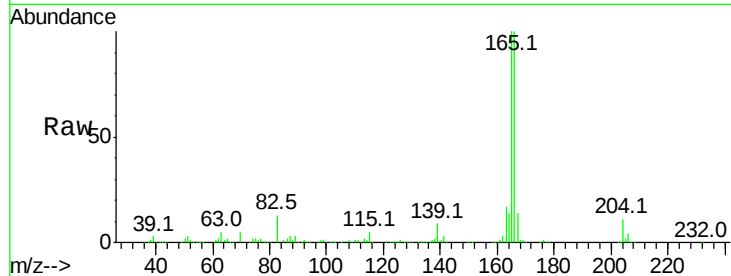
ClientSampleId :

ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 99.8  | 77.8 | 116.8 |       |
| 167     | 13.6  | 10.8 | 16.2  |       |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 57.30 ng

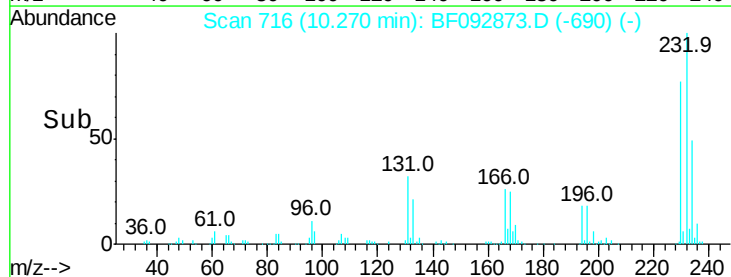
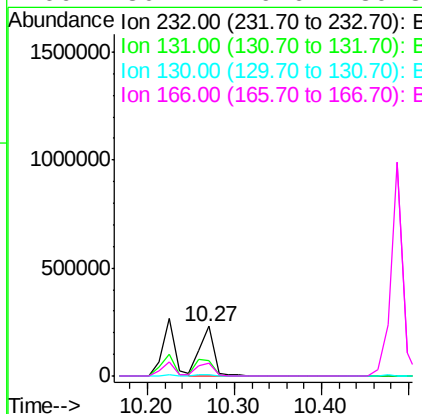
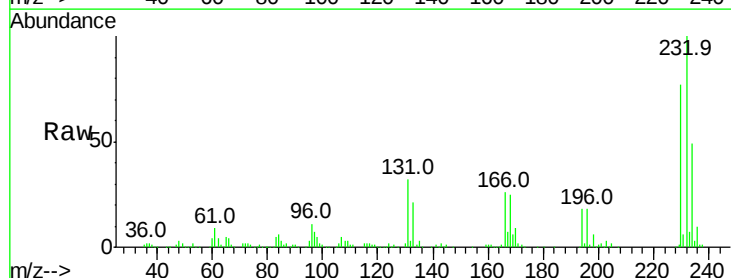
RT: 10.27 min Scan# 716

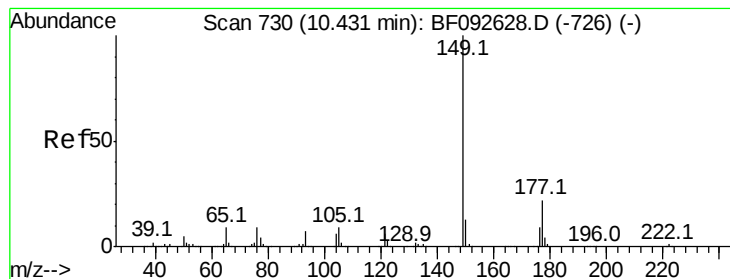
Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 232     | 100   |      |       |       |
| 131     | 45.2  | 40.1 | 60.1  |       |
| 130     | 2.2   | 1.8  | 2.8   |       |
| 166     | 30.2  | 26.6 | 39.8  |       |





#59

Diethylphthalate

Concen: 48.17 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSSD

Tot Ion:149 Resp: 1020087

Ion Ratio Lower Upper

149 100

177 21.4 16.6 25.0

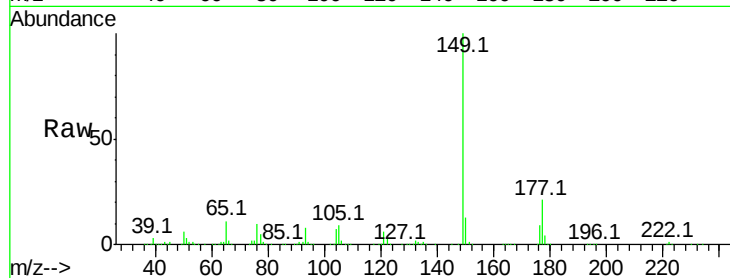
150 12.8 10.4 15.6

Manual Integrations

APPROVED

mohammad

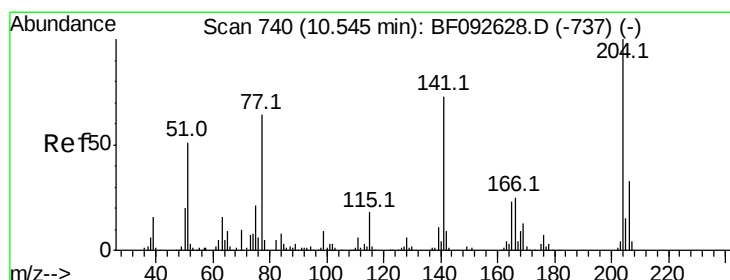
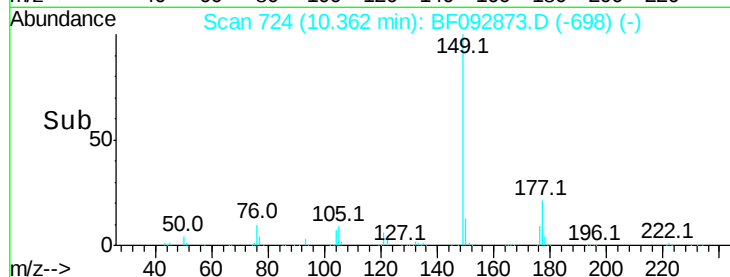
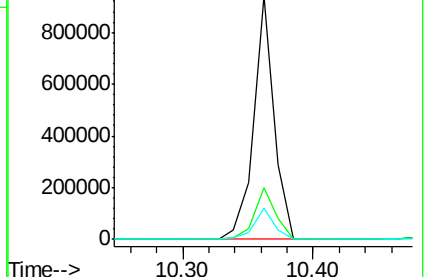
2/9/2017 12:31:34 PM



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: 43.28 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

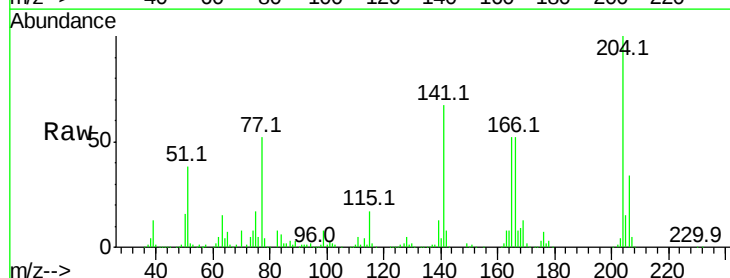
Tgt Ion:204 Resp: 417611

Ion Ratio Lower Upper

204 100

206 34.3 25.8 38.6

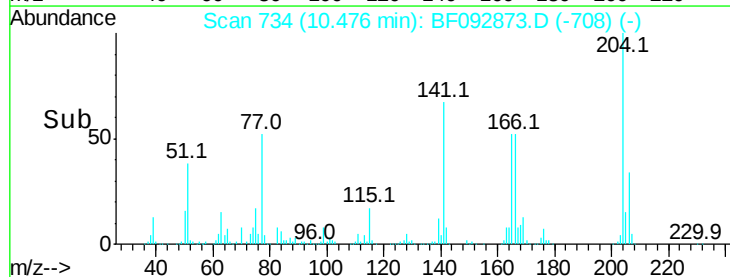
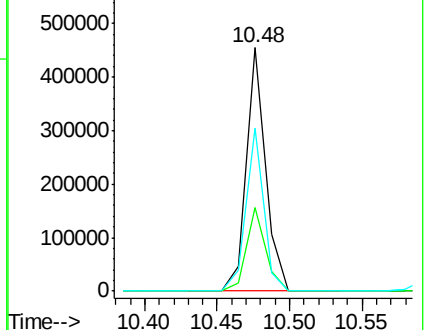
141 67.0 59.4 89.0

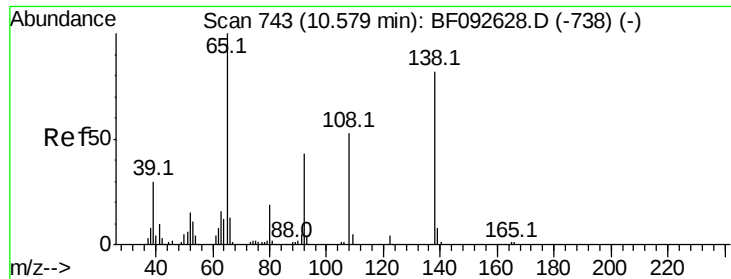


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





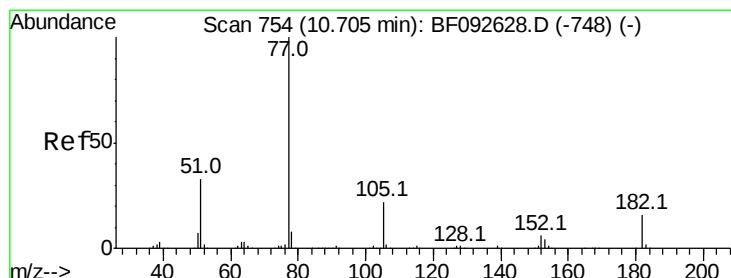
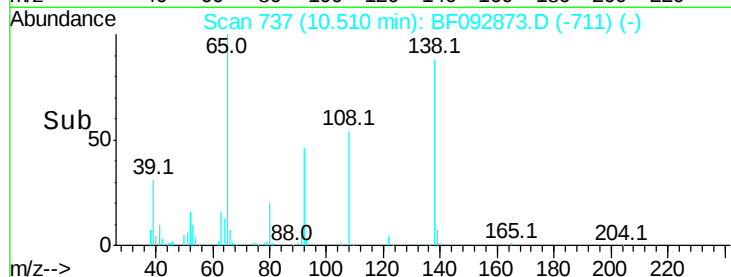
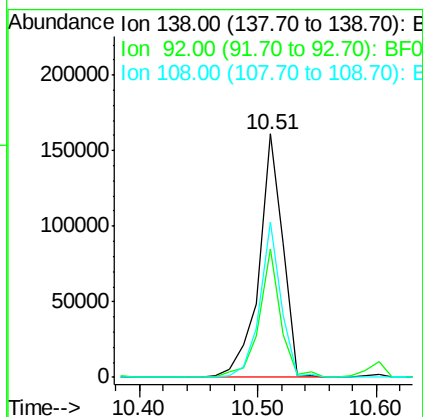
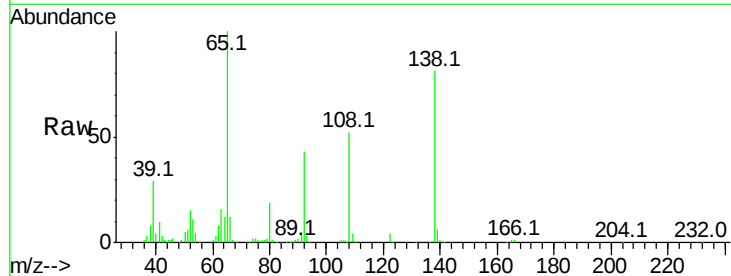
#61  
4-Nitroaniline  
Concen: 39.61 ng  
RT: 10.51 min Scan# 737  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 52.7  | 31.7  | 71.7  |
| 108     | 64.0  | 52.6  | 92.6  |

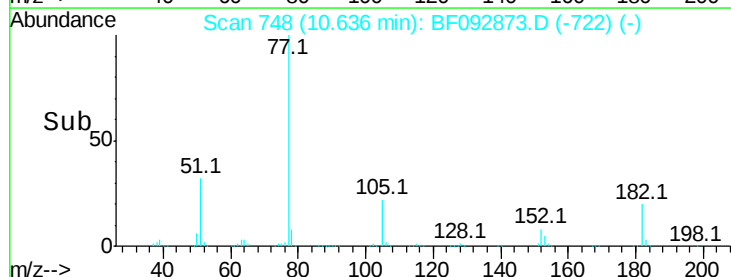
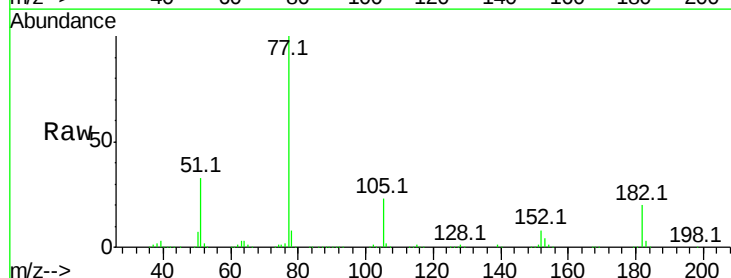
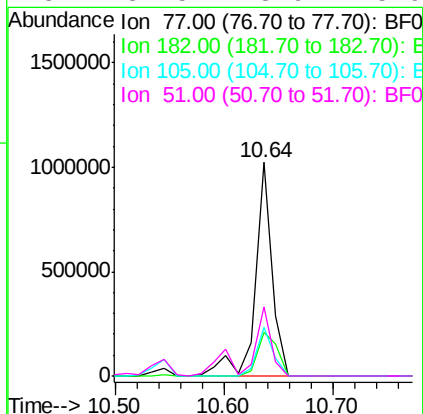
Manual Integrations  
APPROVED

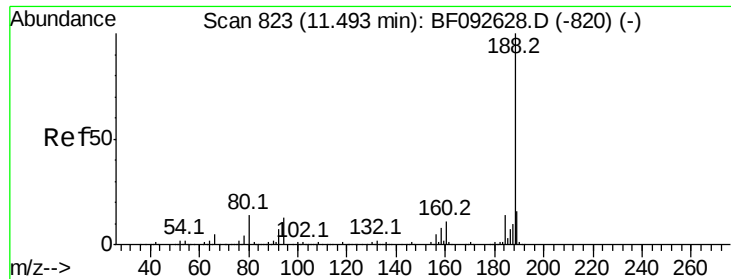
mohammad  
2/9/2017 12:31:34 PM



#62  
Azobenzene  
Concen: 51.15 ng  
RT: 10.64 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 20.1  | 0.0   | 39.3  |
| 105     | 22.7  | 2.3   | 42.3  |
| 51      | 32.5  | 8.9   | 48.9  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

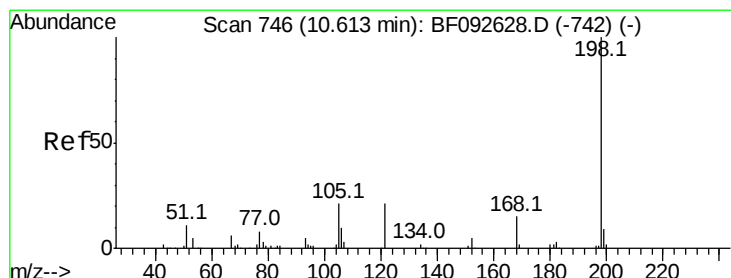
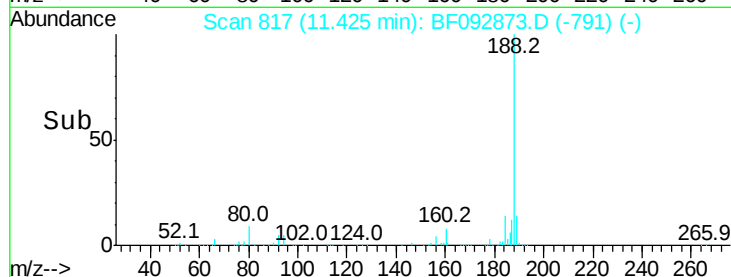
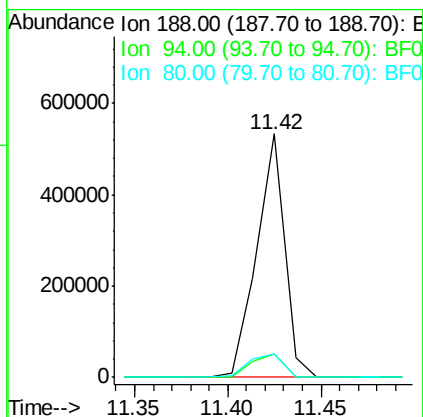
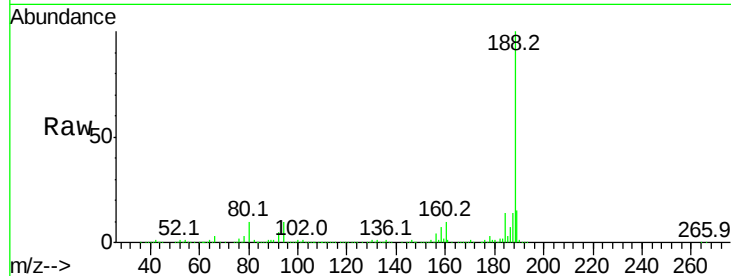
ClientSampleId :

ROLL-OFF-COMPMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 550405 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.6   | 10.0  | 15.0#  |
| 80        | 9.7   | 11.2  | 16.8#  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 57.04 ng

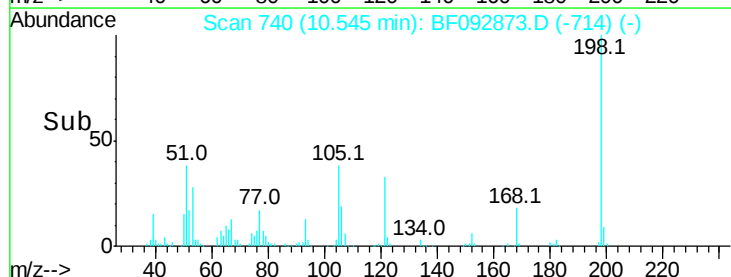
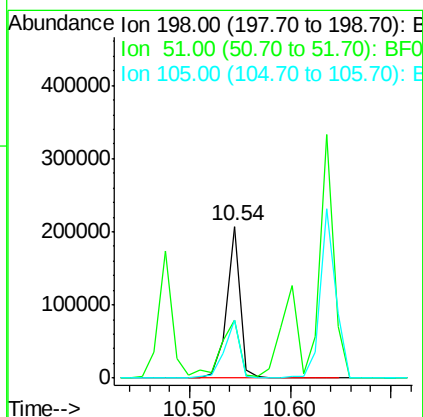
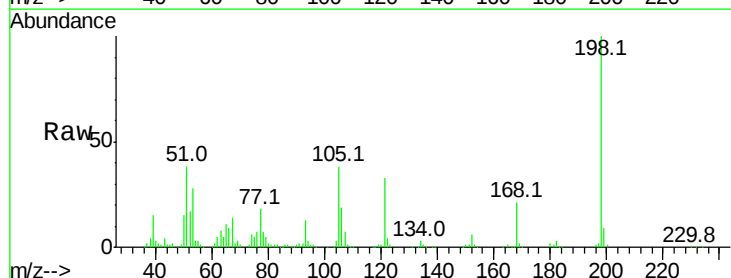
RT: 10.54 min Scan# 740

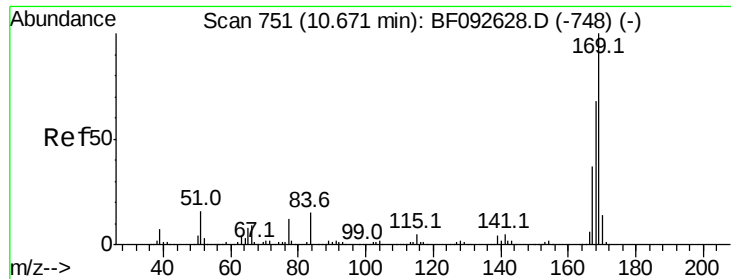
Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 198   | Resp: | 192876 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 38.3  | 6.7   | 46.7   |
| 105       | 38.3  | 16.6  | 56.6   |





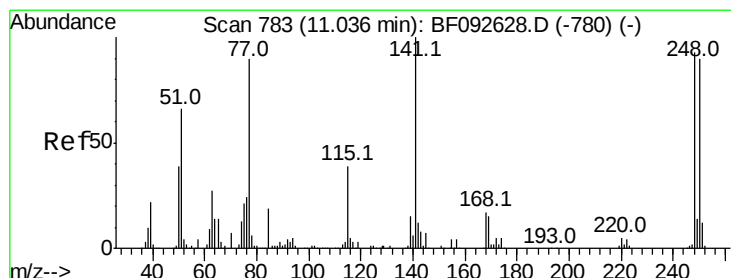
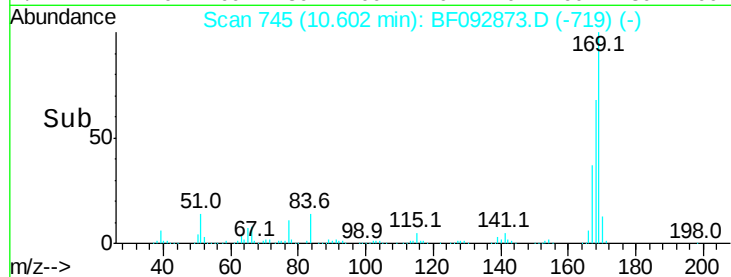
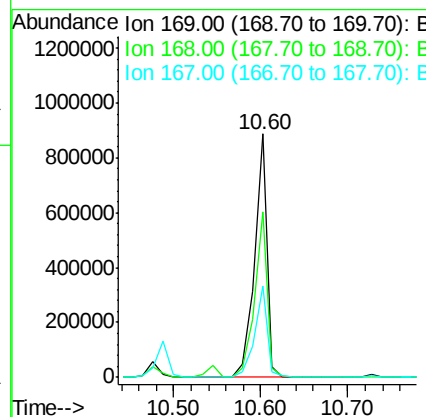
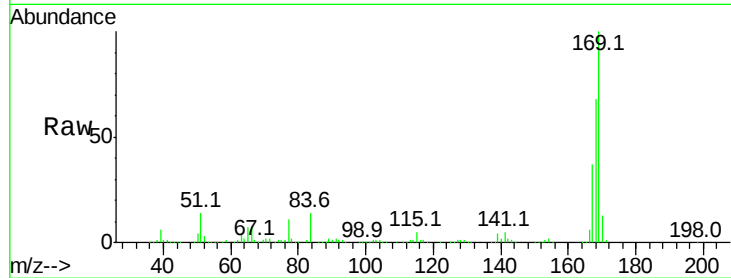
#65  
n-Nitrosodiphenylamine  
Concen: 50.65 ng  
RT: 10.60 min Scan# 745  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 890494 |       |       |
| 168     | 68.0  |        | 54.2  | 81.2  |
| 167     | 37.4  |        | 30.2  | 45.4  |

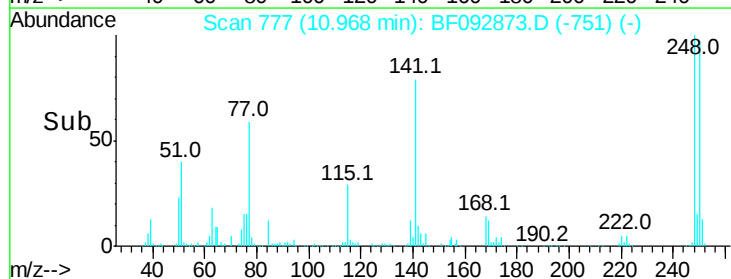
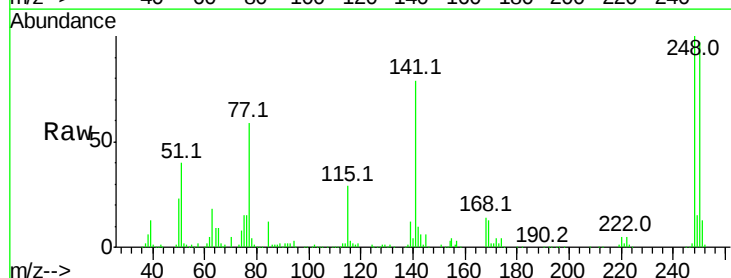
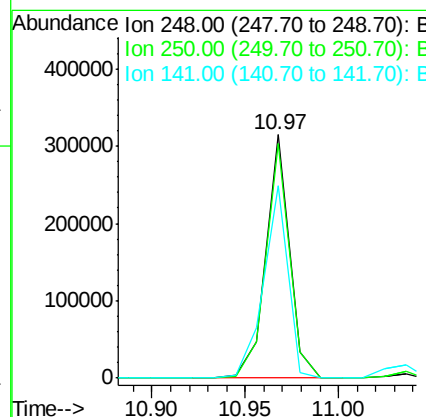
Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#66  
4-Bromophenyl-phenylether  
Concen: 47.61 ng  
RT: 10.97 min Scan# 777  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 273750 |       |       |
| 250     | 96.5  |        | 76.9  | 115.3 |
| 141     | 78.9  |        | 68.2  | 102.4 |





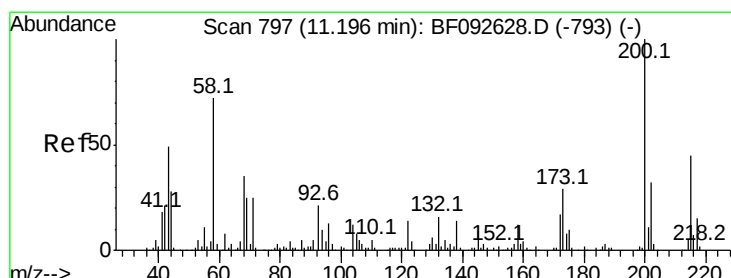
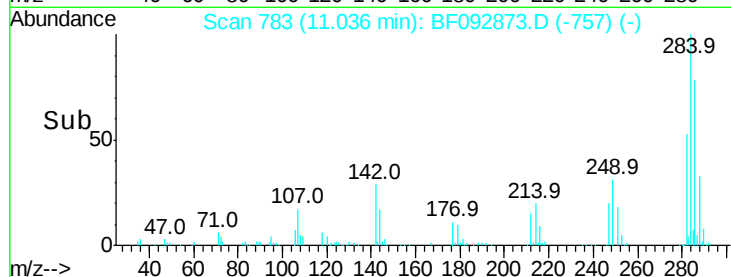
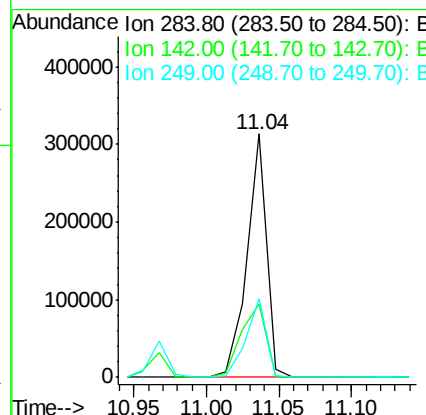
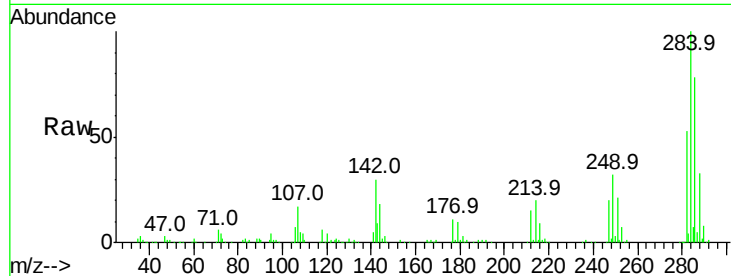
#67  
Hexachlorobenzene  
Concen: 51.44 ng  
RT: 11.04 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 292322 |       |       |
| 142     | 30.3  | 22.6   | 33.8  |       |
| 249     | 32.0  | 25.4   | 38.0  |       |

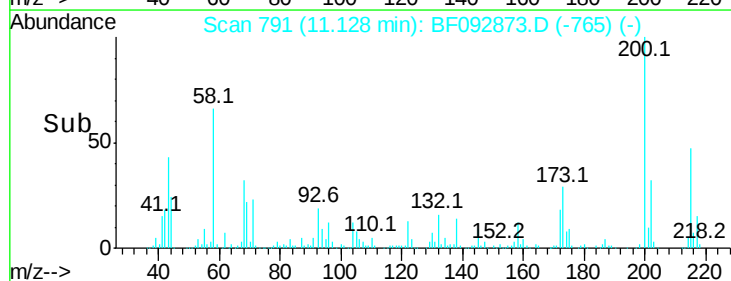
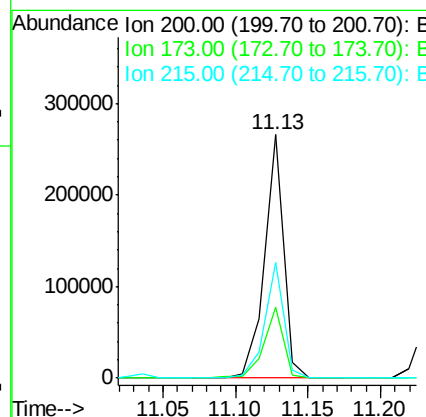
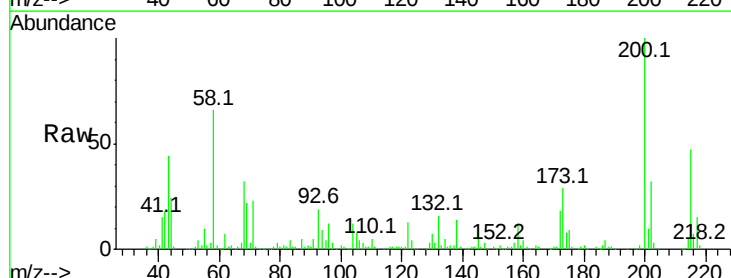
Manual Integrations  
APPROVED

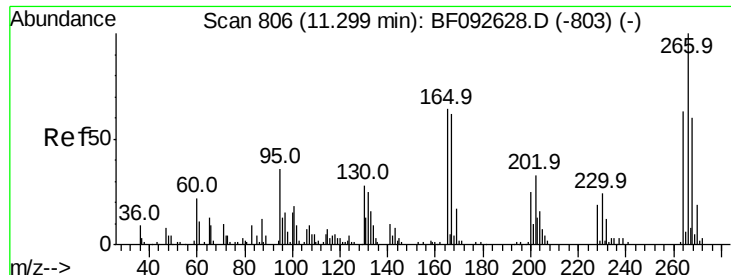
mohammad  
2/9/2017 12:31:34 PM



#68  
Atrazine  
Concen: 43.03 ng  
RT: 11.13 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 242789 |       |       |
| 173     | 28.9  | 9.6    | 49.6  |       |
| 215     | 47.4  | 25.7   | 65.7  |       |





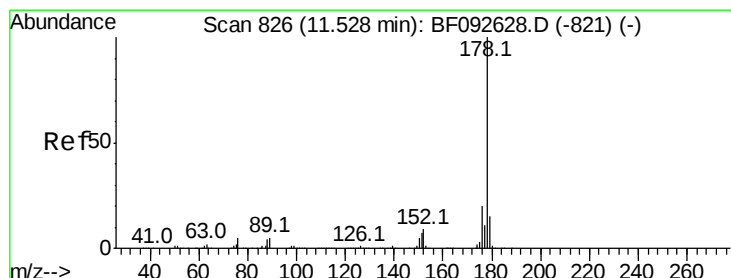
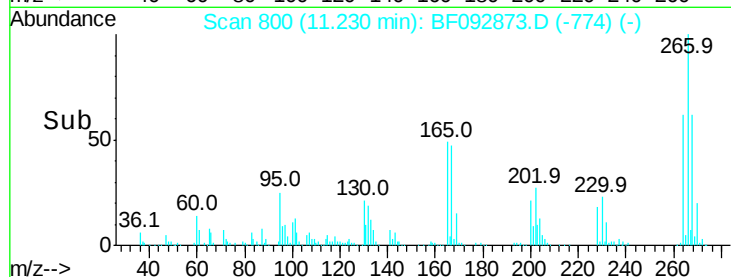
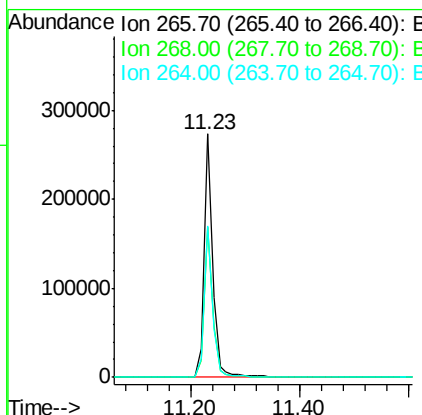
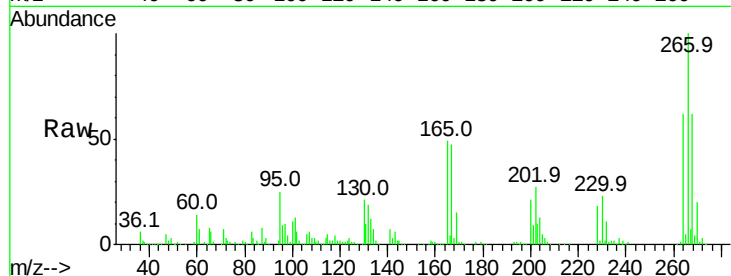
#69  
 Pentachlorophenol  
 Concen: 99.51 ng  
 RT: 11.23 min Scan# 800  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 297581 |       |       |
| 268     | 61.5  | 53.3   | 79.9  |       |
| 264     | 62.3  | 50.3   | 75.5  |       |

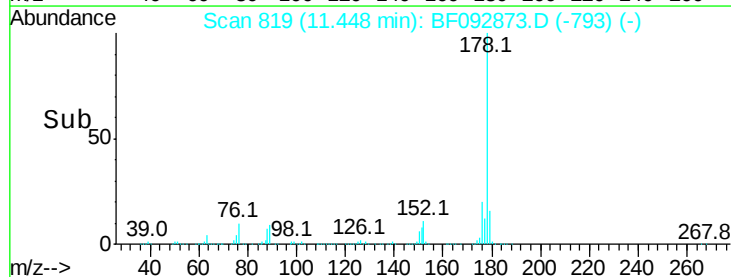
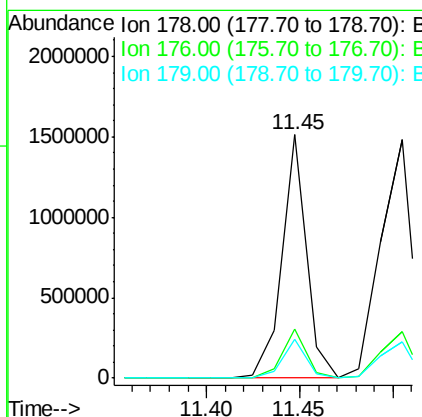
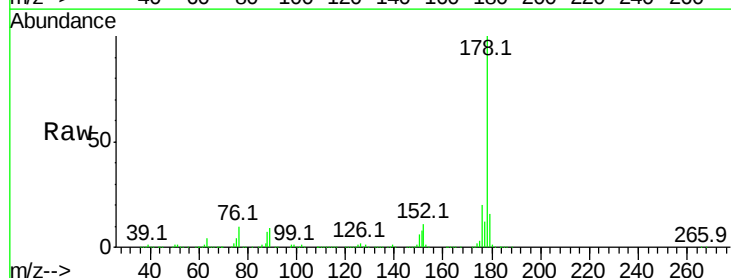
Manual Integrations  
 APPROVED

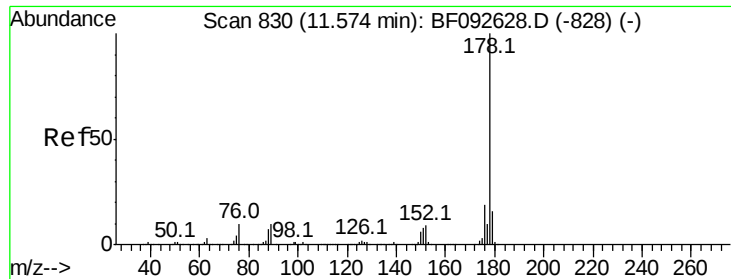
mohammad  
 2/9/2017 12:31:34 PM



#70  
 Phenanthrene  
 Concen: 44.04 ng  
 RT: 11.45 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1388763 |       |       |
| 176     | 20.1  | 16.6    | 25.0  |       |
| 179     | 15.8  | 12.8    | 19.2  |       |





#71  
 Anthracene  
 Concen: 52.37 ng  
 RT: 11.50 min Scan# 824  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

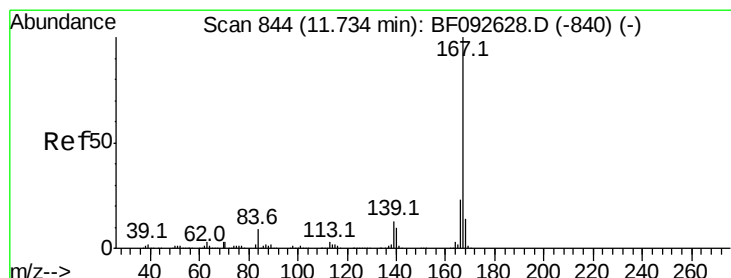
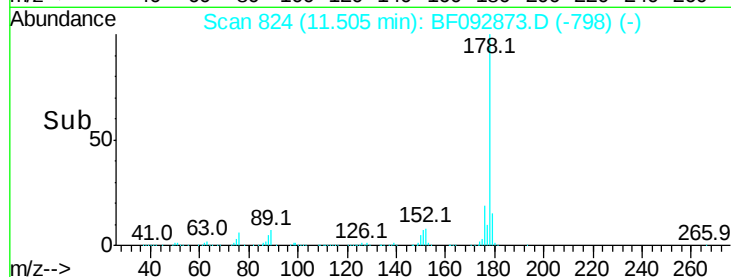
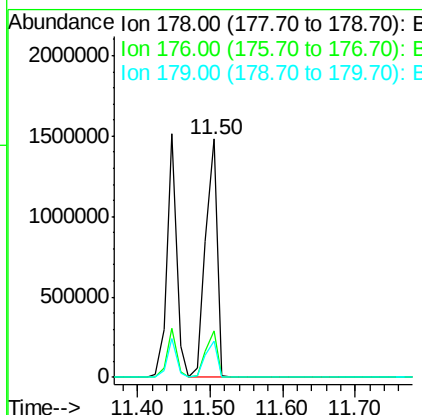
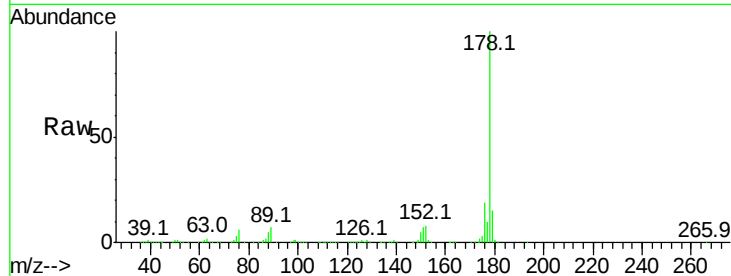
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSD

Tot Ion:178 Resp: 1658395  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.3  | 15.9  | 23.9  |
| 179 | 15.4  | 13.2  | 19.8  |

Manual Integrations  
 APPROVED

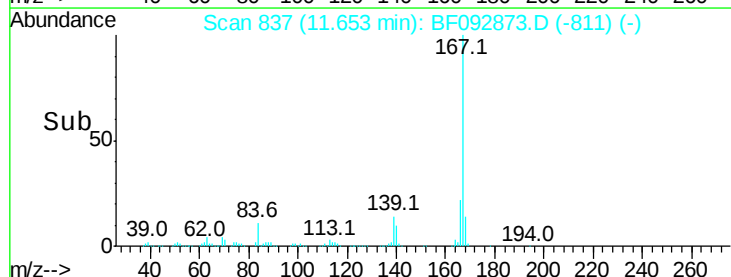
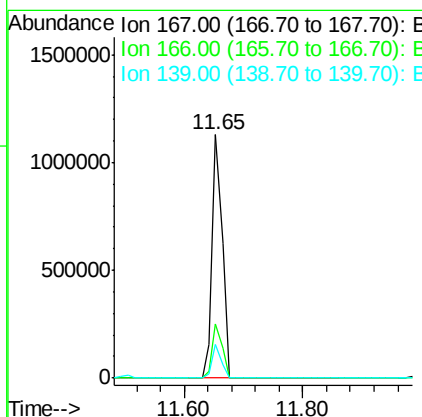
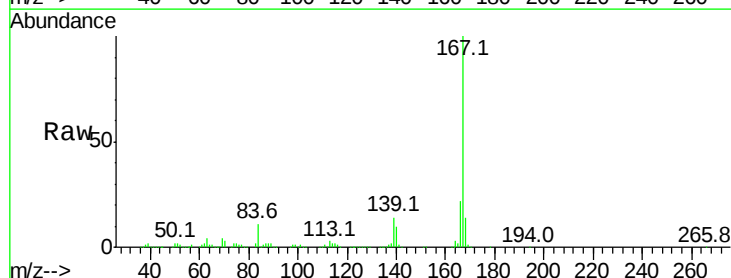
mohammad  
 2/9/2017 12:31:34 PM

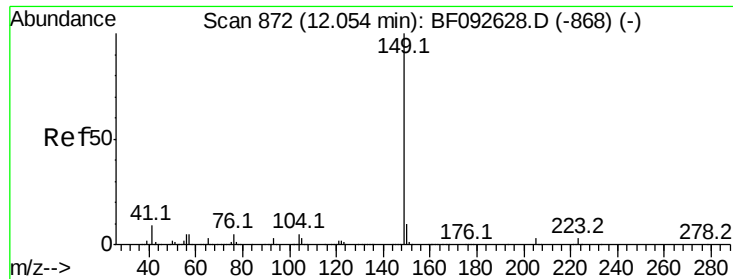


#72  
 Carbazole  
 Concen: 43.82 ng  
 RT: 11.65 min Scan# 837  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Tgt Ion:167 Resp: 1326535  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.4  | 18.2  | 27.2  |
| 139 | 13.6  | 11.4  | 17.2  |





#73

Di-n-butylphthalate

Concen: 53.97 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSSD

Tot Ion:149 Resp: 1766787

Ion Ratio Lower Upper

149 100

150 9.4 8.1 12.1

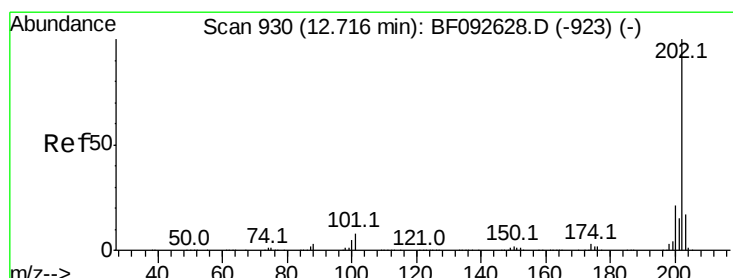
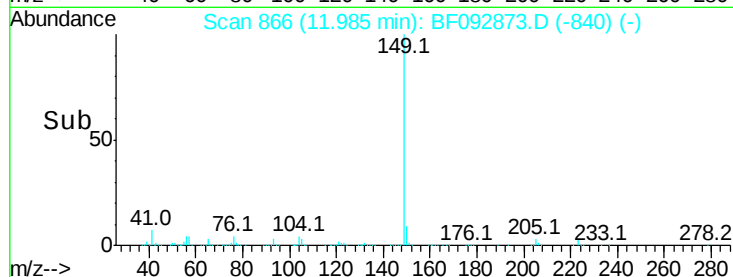
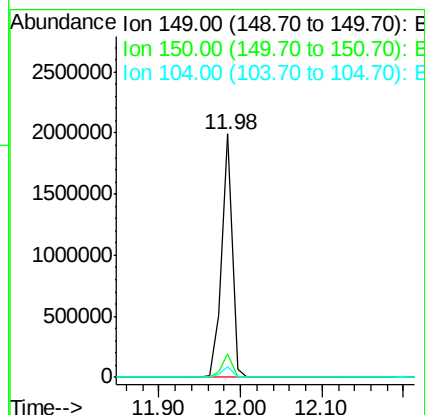
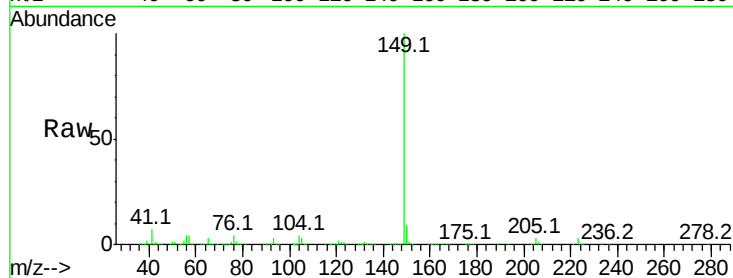
104 4.2 4.6 7.0#

Manual Integrations

APPROVED

mohammad

2/9/2017 12:31:34 PM



#74

Fluoranthene

Concen: 46.00 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

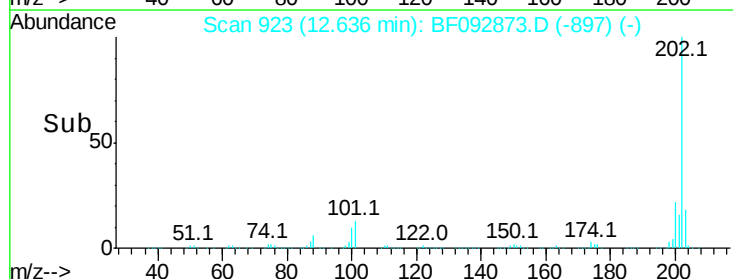
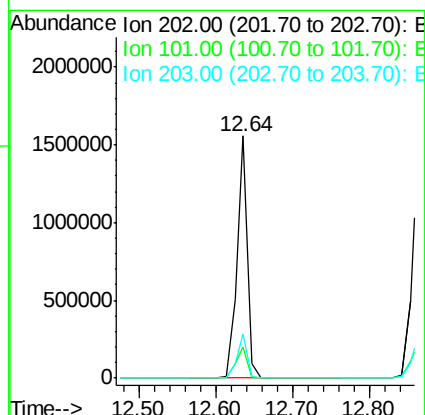
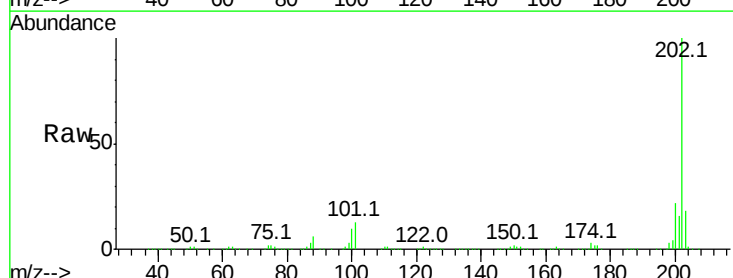
Tgt Ion:202 Resp: 1496368

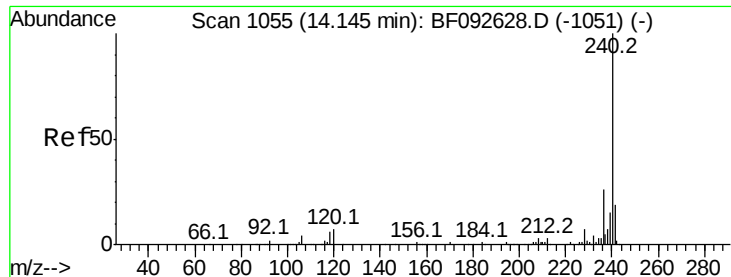
Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.6

203 18.1 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

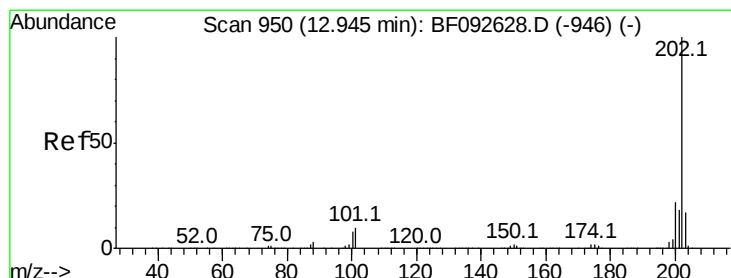
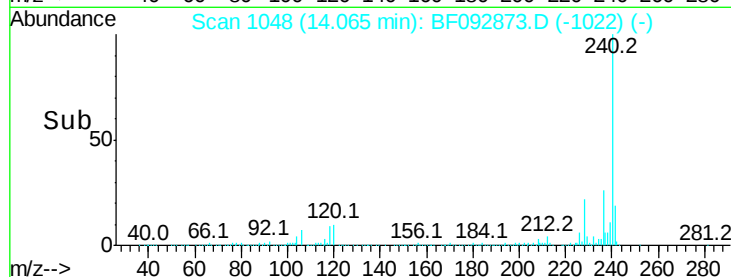
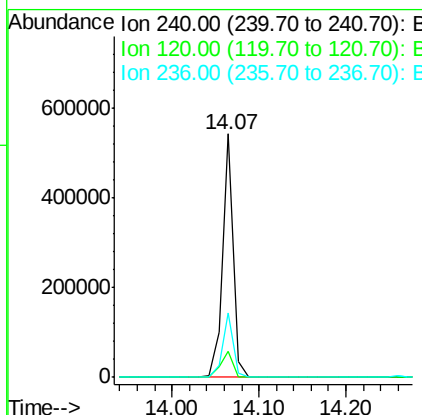
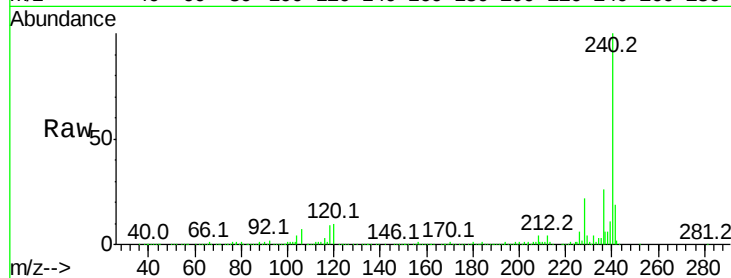
ClientSampleId :

ROLL-OFF-COMPMSSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 470268 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.5  | 12.9  | 19.3#  |
| 236       | 26.2  | 20.9  | 31.3   |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#77

Pyrene

Concen: 43.07 ng

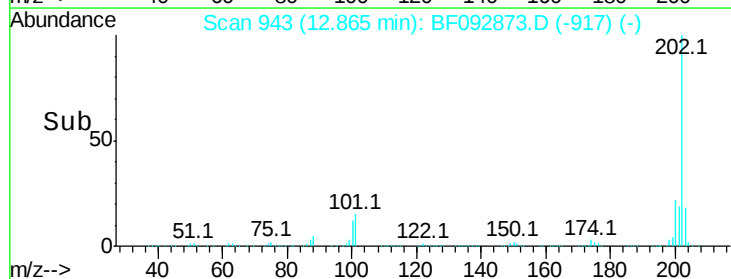
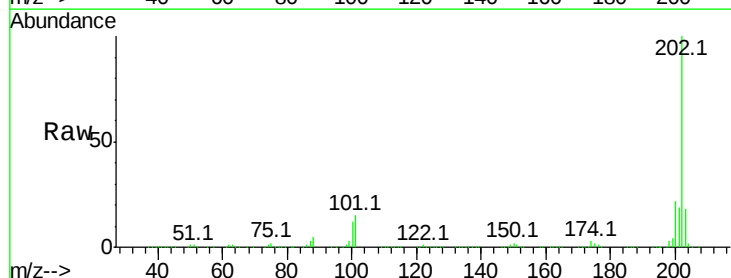
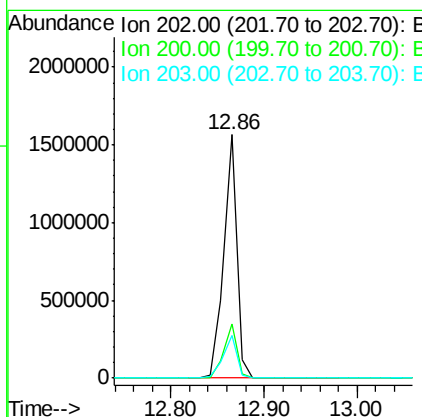
RT: 12.86 min Scan# 943

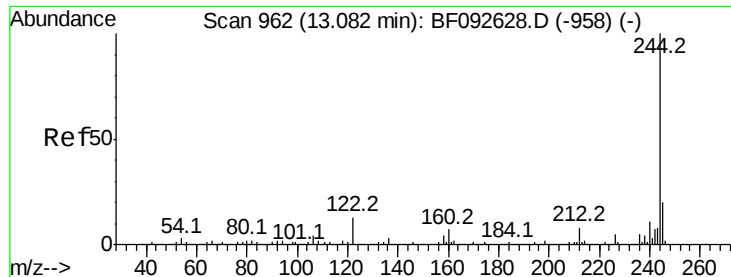
Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1515684 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.1  | 17.7  | 26.5    |
| 203       | 17.8  | 14.7  | 22.1    |





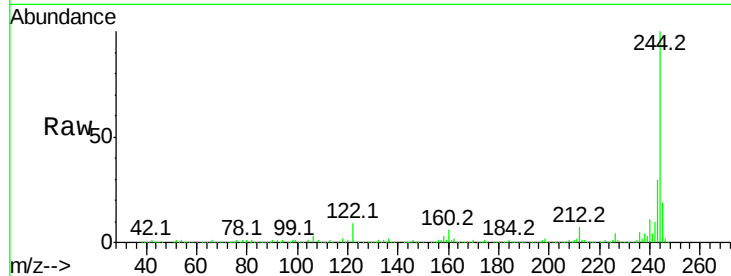
#78  
 Terphenyl-d14  
 Concen: 90.56 ng  
 RT: 13.01 min Scan# 956  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ROLL-OFF-COMPMSSD

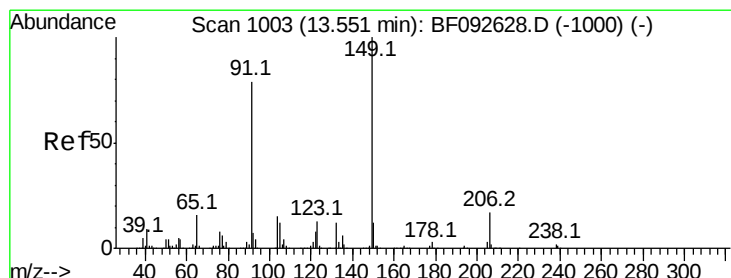
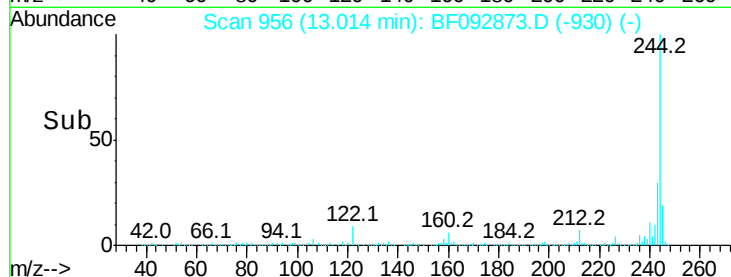
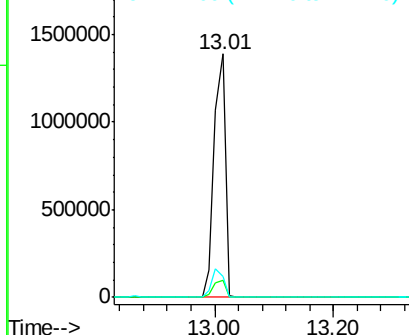
Tot Ion:244 Resp: 1812475  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.2 9.2  
 122 8.5 11.4 17.2#

Manual Integrations  
 APPROVED

mohammad  
 2/9/2017 12:31:34 PM

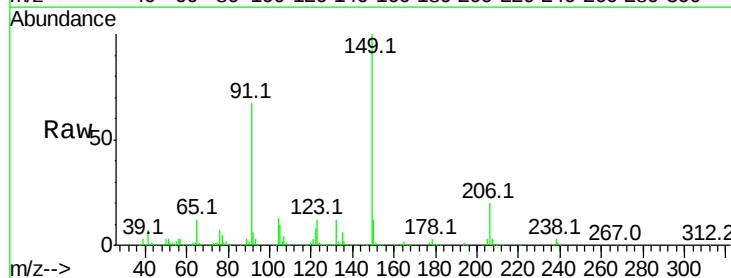


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

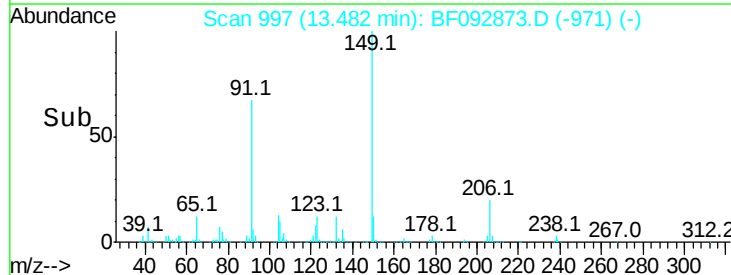
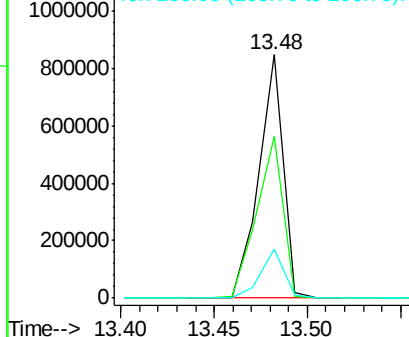


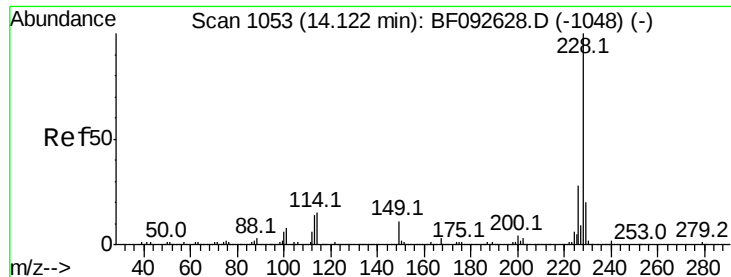
#79  
 Butylbenzylphthalate  
 Concen: 54.73 ng  
 RT: 13.48 min Scan# 997  
 Delta R.T. -0.00 min  
 Lab File: BF092873.D  
 Acq: 9 Feb 2017 00:25

Tgt Ion:149 Resp: 782118  
 Ion Ratio Lower Upper  
 149 100  
 91 66.6 63.9 95.9  
 206 20.0 14.6 21.8



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 91.00 (90.70 to 91.70): BF0  
 Ion 206.00 (205.70 to 206.70): E





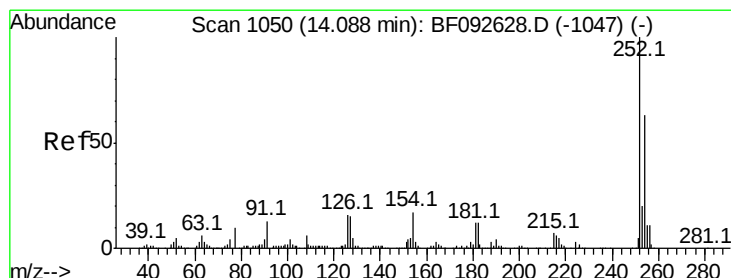
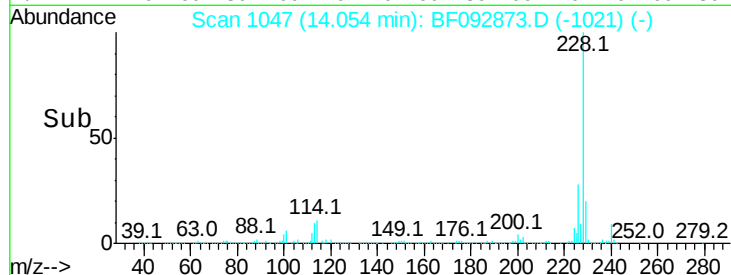
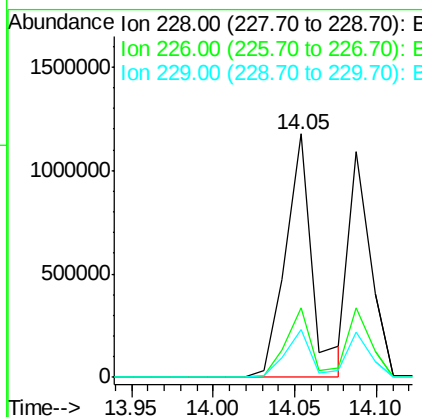
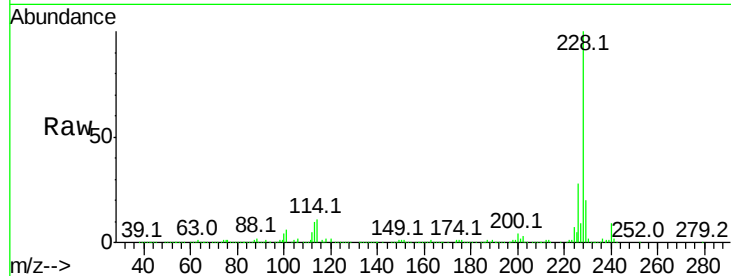
#80  
Benzo(a)anthracene  
Concen: 46.63 ng  
RT: 14.05 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

Tot Ion:228 Resp: 1341199  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.4 33.6  
229 19.7 16.2 24.4

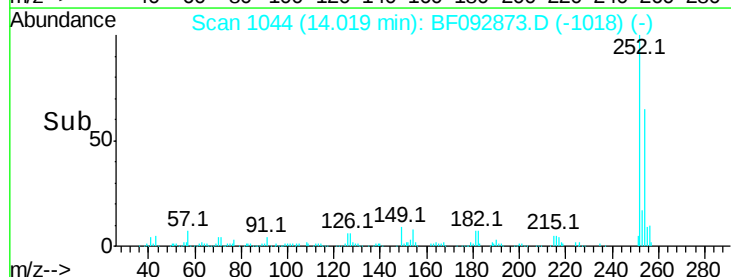
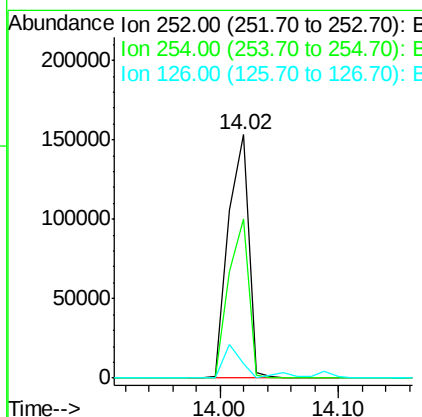
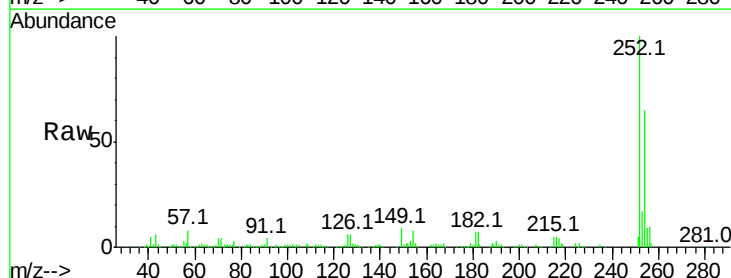
Manual Integrations  
APPROVED

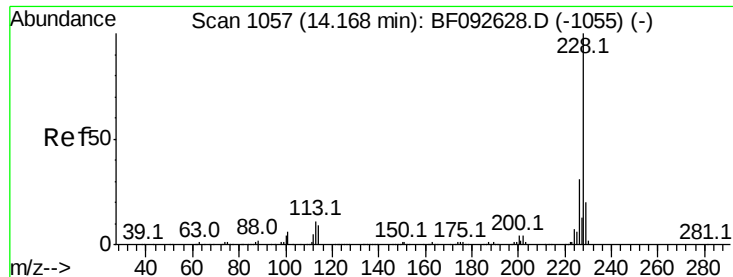
mohammad  
2/9/2017 12:31:34 PM



#81  
3,3'-Dichlorobenzidine  
Concen: 17.76 ng  
RT: 14.02 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Tgt Ion:252 Resp: 182078  
Ion Ratio Lower Upper  
252 100  
254 65.5 52.3 78.5  
126 6.2 13.6 20.4#





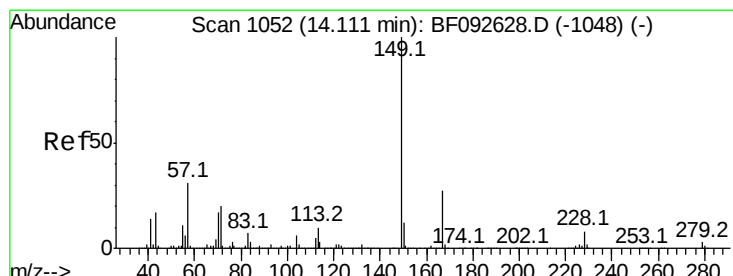
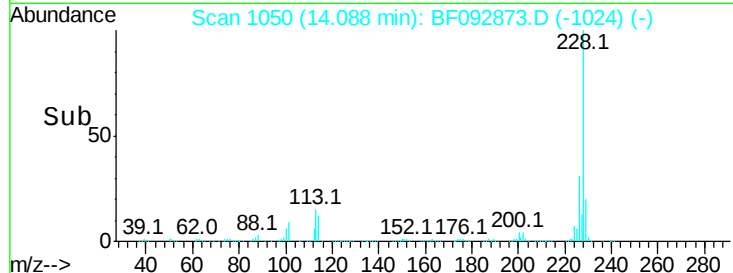
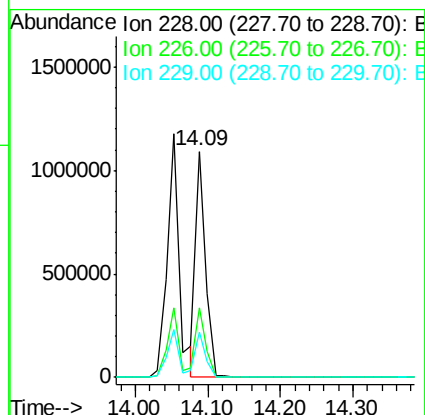
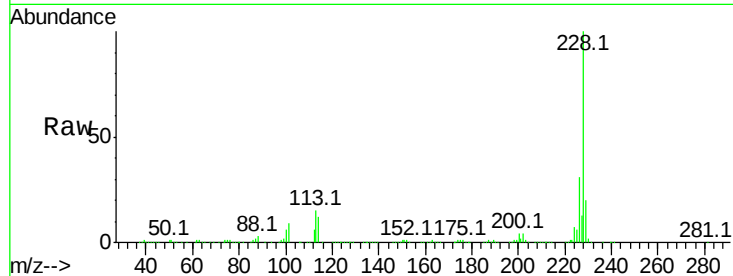
#82  
Chrysene  
Concen: 38.89 ng  
RT: 14.09 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSSD

Tot Ion:228 Resp: 1047376  
Ion Ratio Lower Upper  
228 100  
226 31.0 25.4 38.0  
229 20.0 16.2 24.2

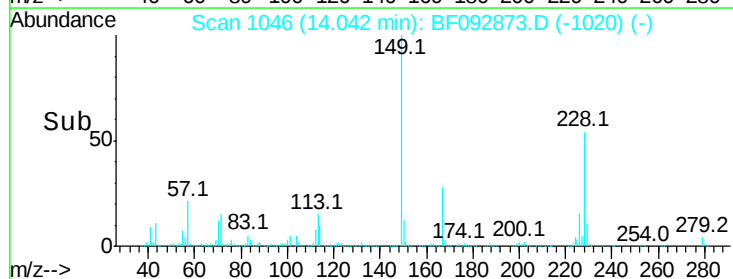
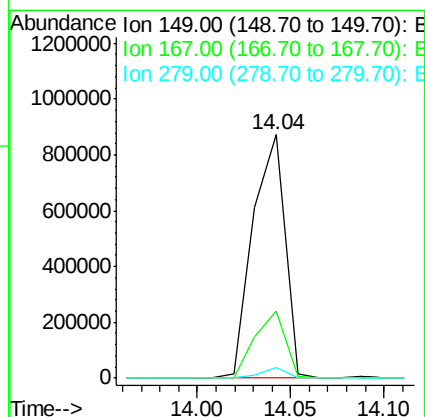
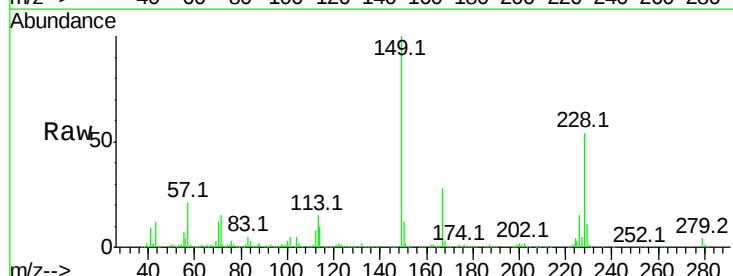
Manual Integrations  
APPROVED

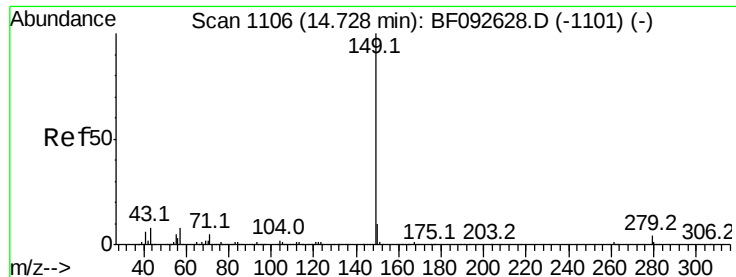
mohammad  
2/9/2017 12:31:34 PM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 53.21 ng  
RT: 14.04 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Tgt Ion:149 Resp: 1040034  
Ion Ratio Lower Upper  
149 100  
167 27.7 20.2 30.4  
279 4.2 1.8 2.8#





#84

Di-n-octyl phthalate

Concen: 54.03 ng

RT: 14.65 min Scan# 1099

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

Instrument :

BNA\_F

ClientSampleId :

ROLL-OFF-COMPMSD

Tot Ion:149 Resp: 1719714

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

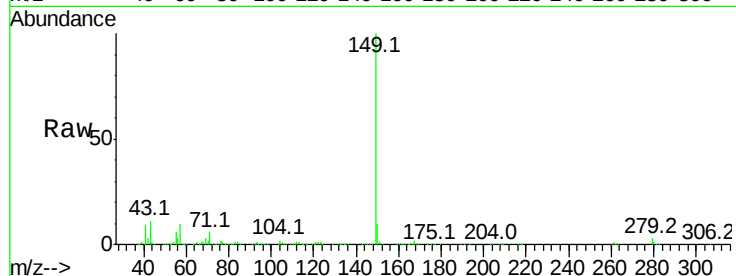
43 11.5 8.9 13.3

Manual Integrations

APPROVED

mohammad

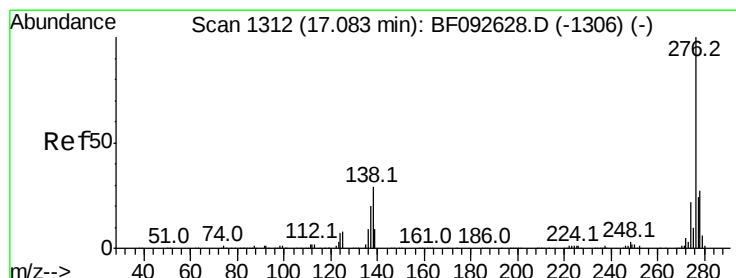
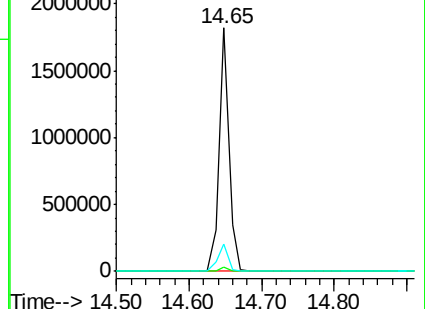
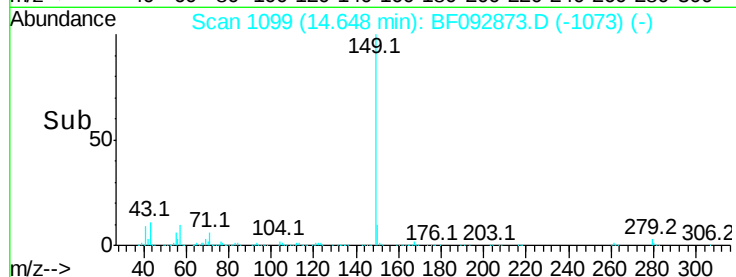
2/9/2017 12:31:34 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 53.22 ng

RT: 16.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF092873.D

Acq: 9 Feb 2017 00:25

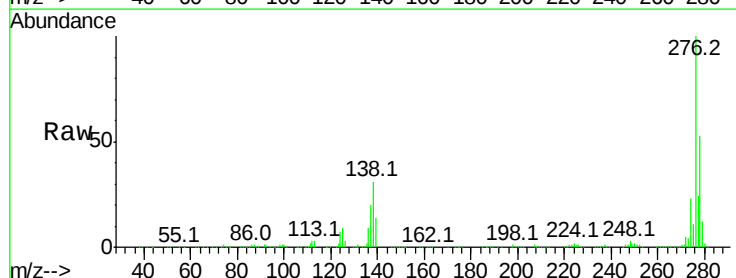
Tgt Ion:276 Resp: 1110043

Ion Ratio Lower Upper

276 100

138 31.7 21.8 32.6

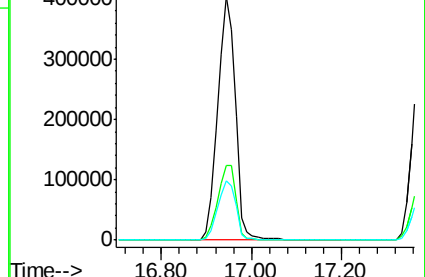
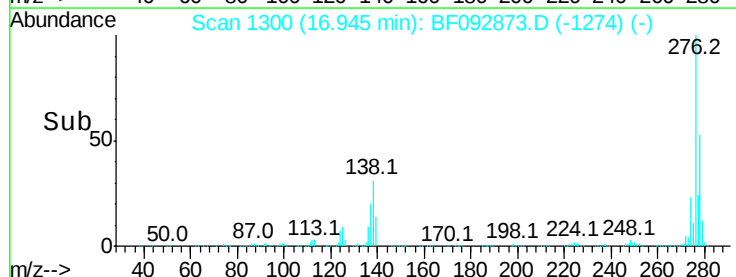
277 25.0 20.2 30.4

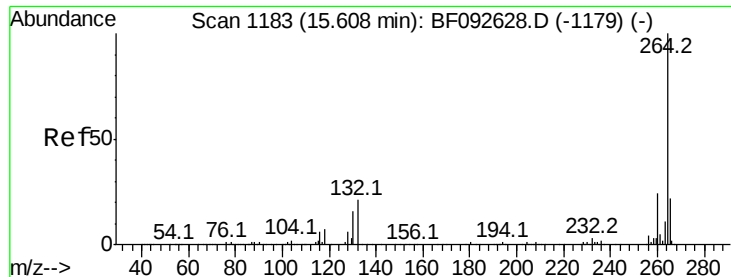


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





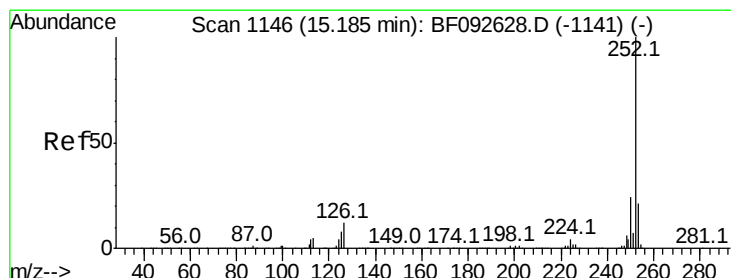
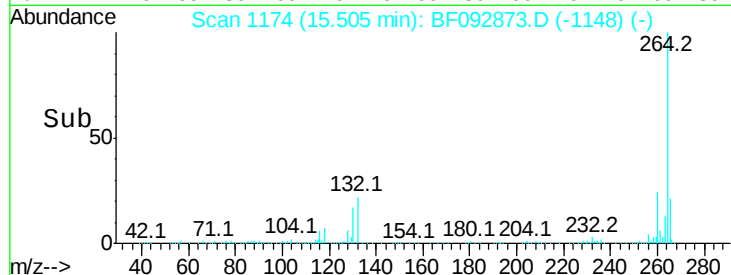
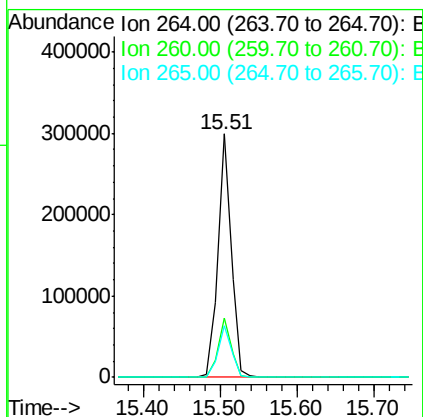
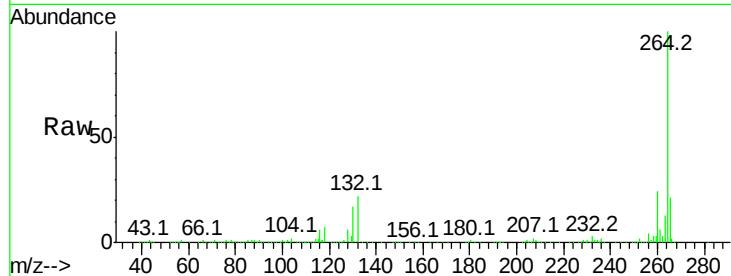
#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1174  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.2  | 28.8  |
| 265     | 21.0  | 17.4  | 26.0  |

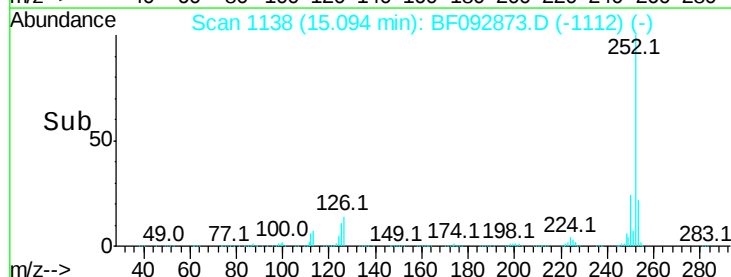
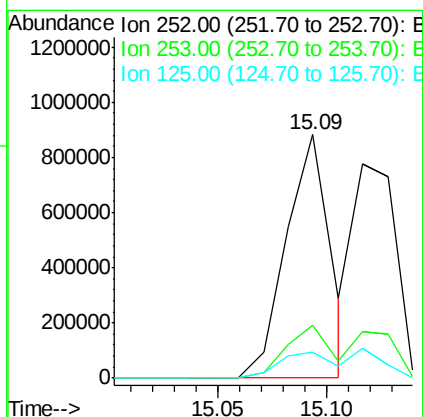
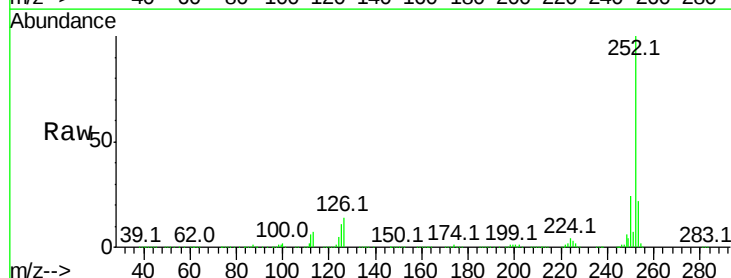
Manual Integrations  
APPROVED

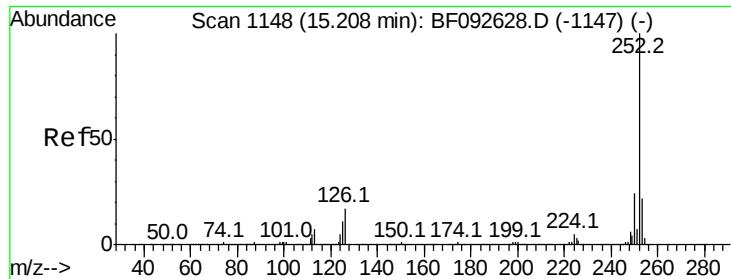
mohammad  
2/9/2017 12:31:34 PM



#87  
Benzo(b)fluoranthene  
Concen: 52.13 ng  
RT: 15.09 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.2  | 27.4  |
| 125     | 10.7  | 9.8   | 14.6  |





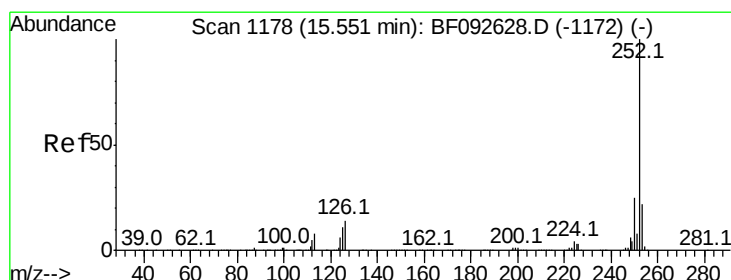
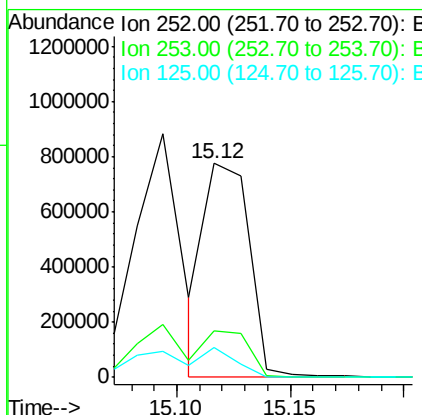
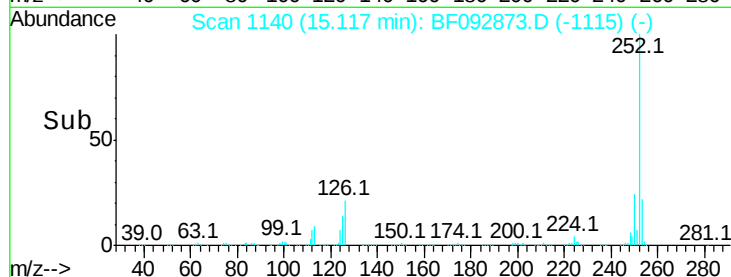
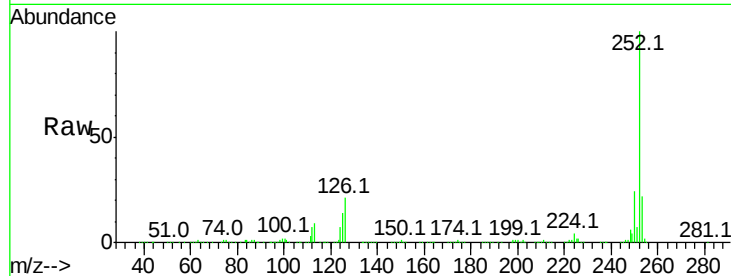
#88  
Benzo(k)fluoranthene  
Concen: 51.62 ng m  
RT: 15.12 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

Tot Ion:252 Resp: 1066618  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.5 27.7  
125 14.3 8.9 13.3#

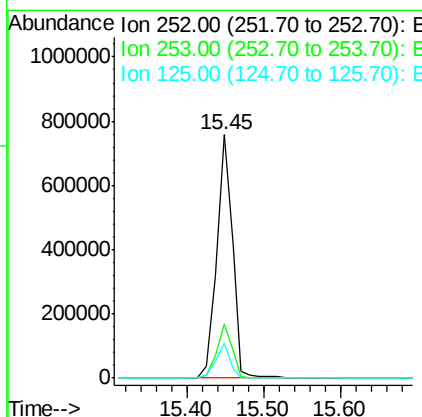
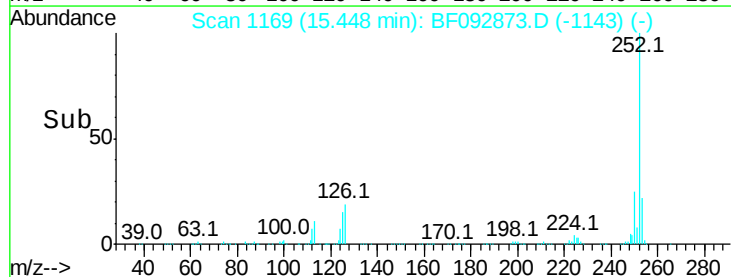
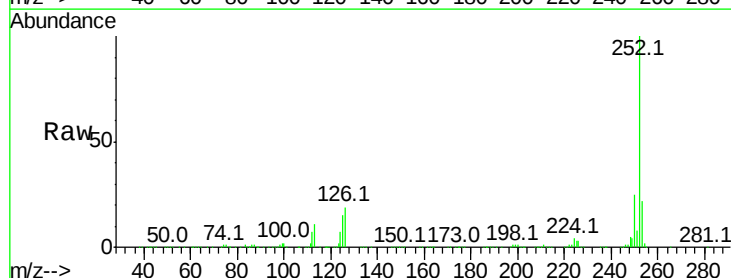
Manual Integrations  
APPROVED

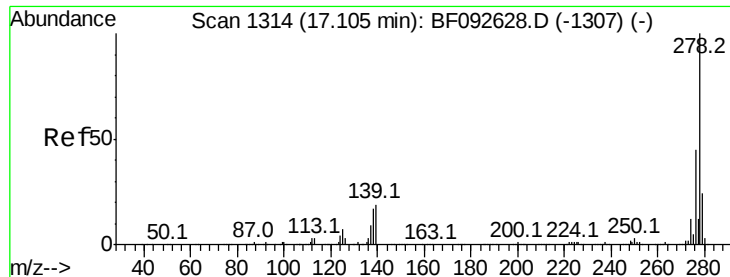
mohammad  
2/9/2017 12:31:34 PM



#89  
Benzo(a)pyrene  
Concen: 52.16 ng  
RT: 15.45 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Tgt Ion:252 Resp: 1079790  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.2 27.2  
125 14.6 10.0 15.0





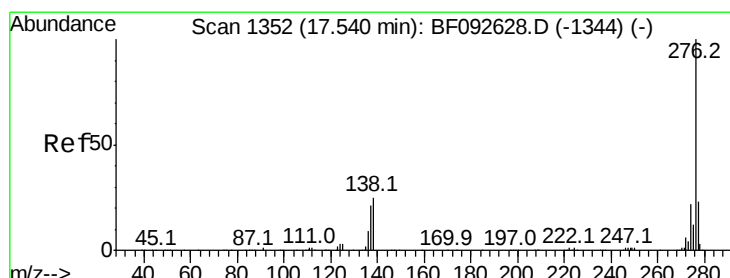
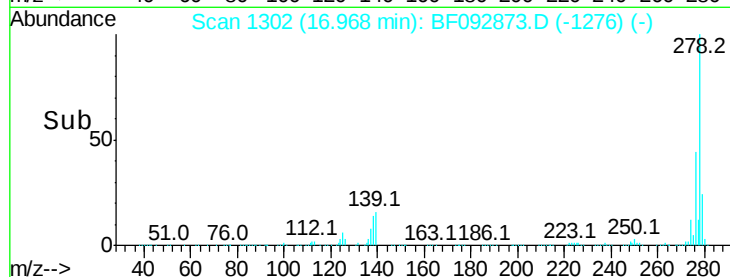
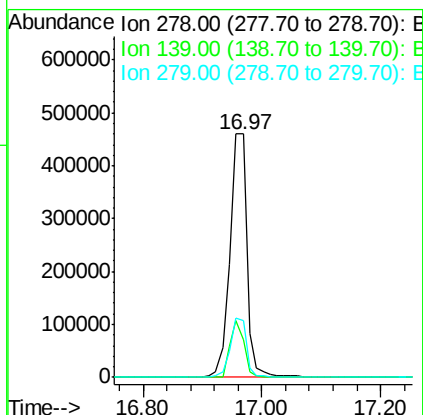
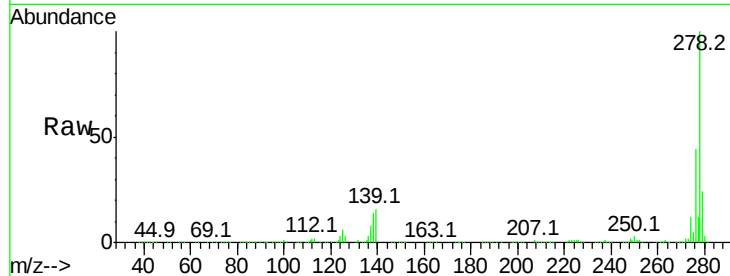
#90  
Dibenzo(a,h)anthracene  
Concen: 54.96 ng  
RT: 16.97 min Scan# 1302  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

Instrument :  
BNA\_F  
ClientSampleId :  
ROLL-OFF-COMPMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.6  | 14.8  | 22.2  |
| 279     | 23.5  | 19.8  | 29.6  |

Manual Integrations  
APPROVED

mohammad  
2/9/2017 12:31:34 PM



#91  
Benzo(g,h,i)perylene  
Concen: 55.45 ng  
RT: 17.38 min Scan# 1338  
Delta R.T. -0.00 min  
Lab File: BF092873.D  
Acq: 9 Feb 2017 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 19.2  | 28.8  |
| 138     | 27.9  | 16.0  | 24.0  |

