

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060519\  
 Data File : BM020742.D  
 Acq On : 05 Jun 2019 18:34  
 Operator : HP/JU  
 Sample : PB120342BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

Manual Integrations  
 APPROVED

mohammad  
 6/6/2019 11:21:55 AM

Quant Time: Jun 06 03:28:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 31 15:48:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 314809   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.61 | 136  | 1253813  | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.46 | 164  | 670608   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.20 | 188  | 1267289  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.38 | 240  | 994666   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.67 | 264  | 1122876  | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.40  | 112 | 2465162 | 137.75 | ng | -0.01 |
| 7) Phenol-d6                | 6.99  | 99  | 3240574 | 122.97 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 8.99  | 82  | 1958666 | 80.94  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 15.95 | 330 | 1102718 | 132.72 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 13.08 | 172 | 4442039 | 88.06  | ng | -0.01 |
| 79) Terphenyl-d14           | 19.83 | 244 | 4796605 | 80.66  | ng | -0.02 |

|                                |       |     |         |           |        |
|--------------------------------|-------|-----|---------|-----------|--------|
| Target Compounds               |       |     |         |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.35  | 88  | 308594  | 42.116 ng | 96     |
| 3) Pyridine                    | 3.74  | 79  | 887269  | 38.060 ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.66  | 42  | 392028  | 39.010 ng | 91     |
| 6) Aniline                     | 7.16  | 93  | 1180590 | 30.963 ng | 99     |
| 8) 2-Chlorophenol              | 7.39  | 128 | 1053096 | 47.301 ng | 98     |
| 9) Benzaldehyde                | 6.97  | 77  | 292305  | 15.377 ng | 97     |
| 10) Phenol                     | 7.02  | 94  | 1285108 | 45.253 ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.26  | 93  | 932205  | 41.190 ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.71  | 146 | 1071520 | 41.877 ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.86  | 146 | 1095957 | 42.132 ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.17  | 146 | 1059696 | 41.861 ng | 100    |
| 15) Benzyl Alcohol             | 8.06  | 79  | 928145  | 39.813 ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 1268808 | 36.313 ng | 99     |
| 17) 2-Methylphenol             | 8.26  | 107 | 860193  | 43.076 ng | 99     |
| 18) Hexachloroethane           | 8.89  | 117 | 397339  | 39.897 ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.63  | 70  | 774368  | 36.557 ng | 97     |
| 20) 3+4-Methylphenols          | 8.59  | 107 | 1129100 | 41.558 ng | 98     |
| 22) Acetophenone               | 8.65  | 105 | 1445397 | 45.379 ng | # 97   |
| 24) Nitrobenzene               | 9.03  | 77  | 1124648 | 45.524 ng | 96     |
| 25) Isophorone                 | 9.55  | 82  | 2028625 | 42.143 ng | 100    |
| 26) 2-Nitrophenol              | 9.73  | 139 | 502064  | 54.530 ng | 97     |
| 27) 2,4-Dimethylphenol         | 9.79  | 122 | 918525  | 53.239 ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93  | 1247966 | 42.878 ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.26 | 162 | 956311  | 50.100 ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.47 | 180 | 1040899 | 47.425 ng | 99     |
| 31) Naphthalene                | 10.66 | 128 | 2989499 | 46.367 ng | 100    |
| 32) Benzoic acid               | 9.93  | 122 | 502374m | 46.448 ng |        |
| 33) 4-Chloroaniline            | 10.77 | 127 | 442658  | 14.752 ng | 97     |
| 34) Hexachlorobutadiene        | 10.94 | 225 | 605218  | 45.957 ng | 99     |
| 35) Caprolactam                | 11.57 | 113 | 261368m | 39.415 ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.89 | 107 | 947983  | 42.716 ng | 98     |
| 37) 2-Methylnaphthalene        | 12.27 | 142 | 2168929 | 45.384 ng | 99     |
| 38) 1-Methylnaphthalene        | 12.49 | 142 | 2071850 | 45.530 ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216 | 1131833 | 51.502 ng | 99     |

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 BNA\_M  
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 PB120342BS

Manual Integrations  
 APPROVED

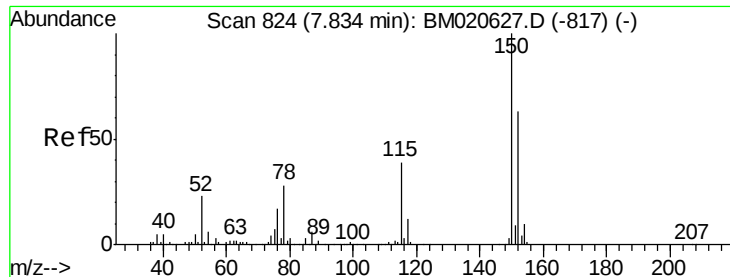
mohammad  
 6/6/2019 11:21:55 AM

Quant Time: Jun 06 03:28:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.62 | 237  | 1457718  | 110.908 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 12.88 | 196  | 713592   | 50.445  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.95 | 196  | 757890   | 51.896  | ng    | 96       |
| 46) 1,1'-Biphenyl              | 13.29 | 154  | 2709395  | 48.376  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.33 | 162  | 2099930  | 46.456  | ng    | 98       |
| 48) 2-Nitroaniline             | 13.54 | 65   | 568313   | 40.057  | ng    | 91       |
| 49) Acenaphthylene             | 14.18 | 152  | 3255146  | 46.153  | ng    | 100      |
| 50) Dimethylphthalate          | 13.92 | 163  | 2456003  | 42.867  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.04 | 165  | 531974   | 45.728  | ng    | 90       |
| 52) Acenaphthene               | 14.52 | 154  | 1903512  | 45.288  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.37 | 138  | 313459   | 24.140  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.57 | 184  | 440692   | 87.324  | ng    | 92       |
| 55) Dibenzofuran               | 14.86 | 168  | 2961600  | 45.368  | ng    | 98       |
| 56) 4-Nitrophenol              | 14.67 | 139  | 802114   | 83.827  | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 14.83 | 165  | 685873   | 44.032  | ng    | 92       |
| 58) Fluorene                   | 15.51 | 166  | 2322450  | 43.262  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.08 | 232  | 625291   | 49.136  | ng    | 96       |
| 60) Diethylphthalate           | 15.29 | 149  | 2356889  | 39.887  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.50 | 204  | 1235240  | 43.457  | ng    | 94       |
| 62) 4-Nitroaniline             | 15.53 | 138  | 485504   | 35.255  | ng    | 92       |
| 63) Azobenzene                 | 15.80 | 77   | 2218845  | 39.168  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.59 | 198  | 272872   | 47.448  | ng    | 91       |
| 66) n-Nitrosodiphenylamine     | 15.72 | 169  | 1977175  | 48.736  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.40 | 248  | 717285   | 48.072  | ng    | 94       |
| 68) Hexachlorobenzene          | 16.50 | 284  | 821347   | 47.140  | ng    | 94       |
| 69) Atrazine                   | 16.67 | 200  | 615722   | 50.853  | ng    | 99       |
| 70) Pentachlorophenol          | 16.84 | 266  | 905006   | 108.879 | ng    | 99       |
| 71) Phenanthrene               | 17.24 | 178  | 3298417  | 45.917  | ng    | 99       |
| 72) Anthracene                 | 17.33 | 178  | 3324679  | 46.242  | ng    | 99       |
| 73) Carbazole                  | 17.61 | 167  | 2824626  | 43.293  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.17 | 149  | 3441005  | 40.628  | ng    | 99       |
| 75) Fluoranthene               | 19.26 | 202  | 3369635  | 42.181  | ng    | 100      |
| 77) Benzidine                  | 19.45 | 184  | 1341715  | 44.517  | ng    | 99       |
| 78) Pyrene                     | 19.62 | 202  | 3402755  | 44.580  | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.52 | 149  | 1288957  | 39.959  | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.37 | 228  | 3044762  | 43.957  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.30 | 252  | 899967   | 35.481  | ng    | 99       |
| 83) Chrysene                   | 21.42 | 228  | 2996027  | 45.503  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 1782447  | 38.020  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.19 | 149  | 2873817  | 38.611  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.99 | 276  | 4169688  | 61.901  | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 22.98 | 252  | 3319794  | 44.732  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.03 | 252  | 3156541  | 43.522  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.57 | 252  | 3225774  | 47.919  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 26.00 | 278  | 3515768  | 53.833  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.70 | 276  | 3392793  | 55.929  | ng    | 98       |

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





#1

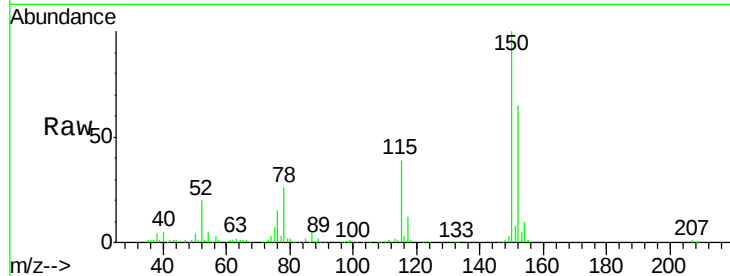
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

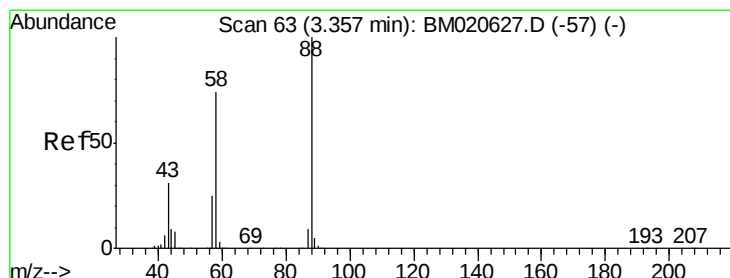
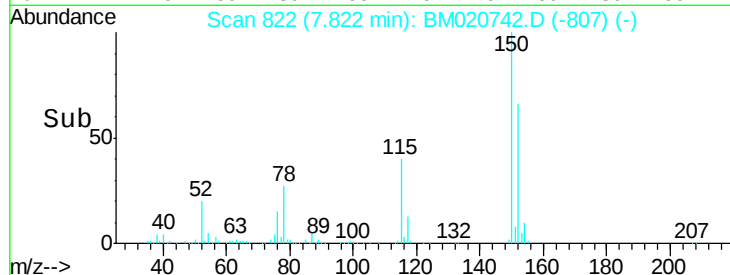
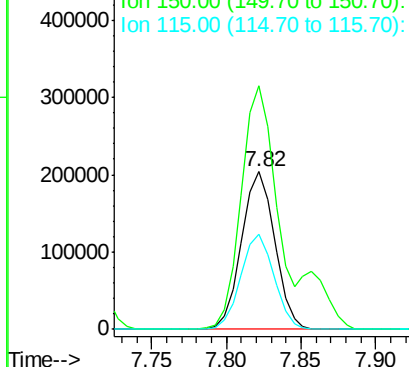
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 126.0 | 189.0 |
| 115     | 60.7  | 49.6  | 74.4  |

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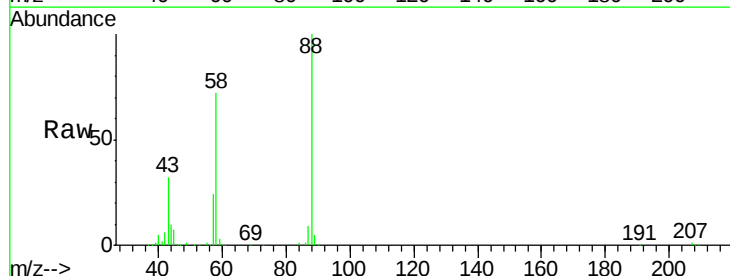
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



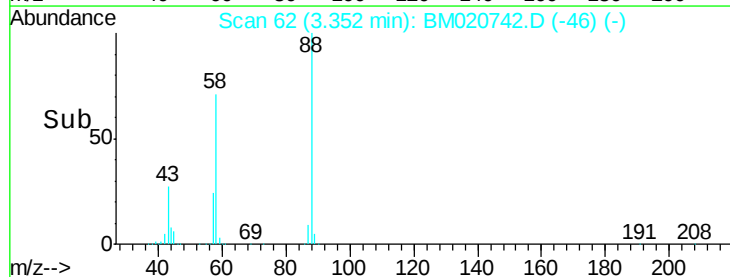
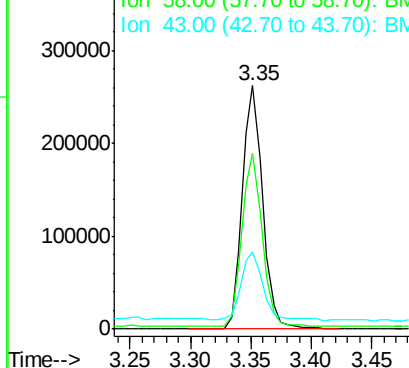
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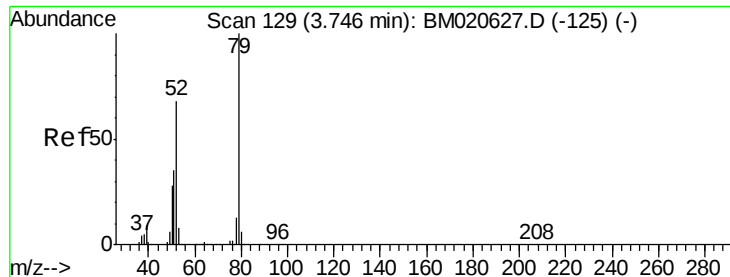
1,4-Dioxane  
Concen: 42.116 ng  
RT: 3.35 min Scan# 62  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 71.0  | 60.2  | 90.4  |
| 43      | 30.2  | 25.3  | 37.9  |



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0





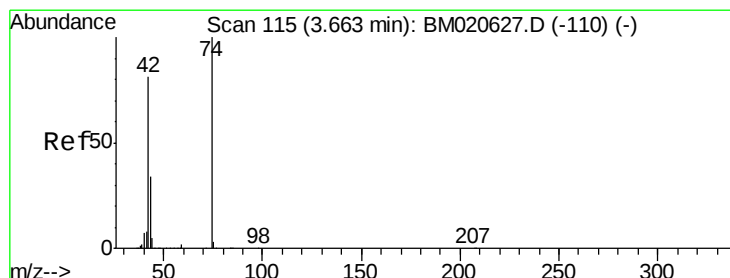
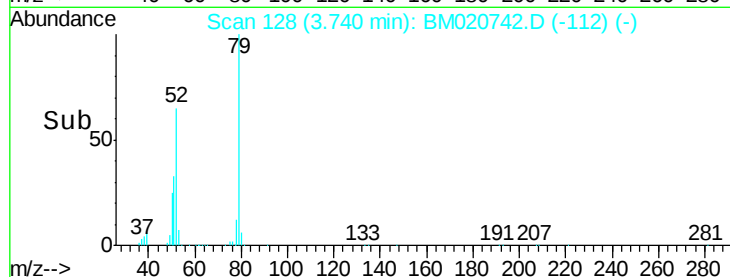
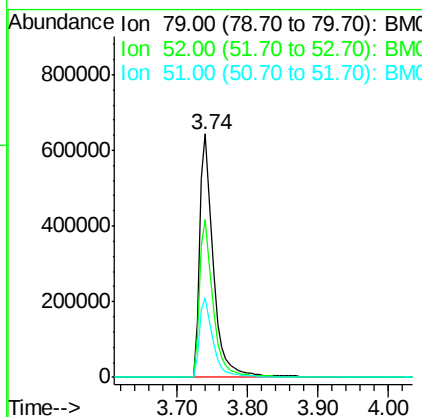
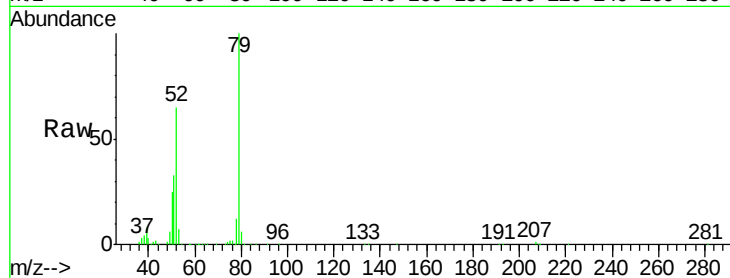
#3  
 Pvridine  
 Concen: 38.060 ng  
 RT: 3.74 min Scan# 128  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 79      | 79  | 100   |      |       |       |
| 52      | 52  | 64.8  |      | 54.1  | 81.1  |
| 51      | 51  | 32.9  |      | 28.6  | 42.8  |

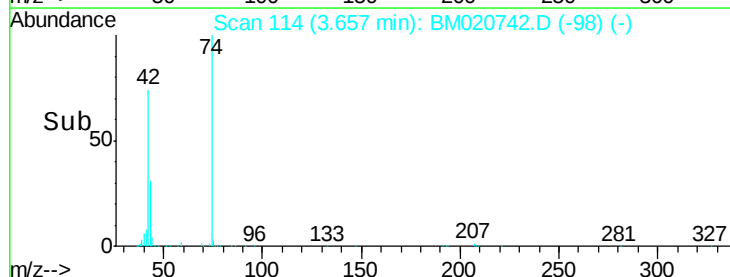
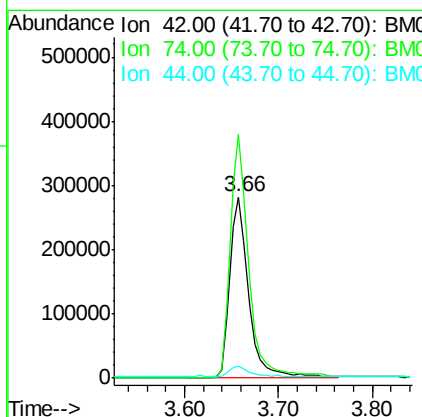
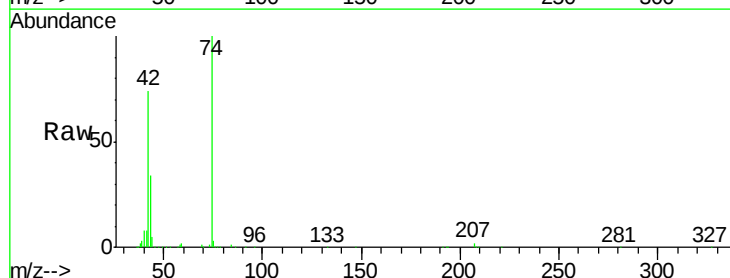
Manual Integrations  
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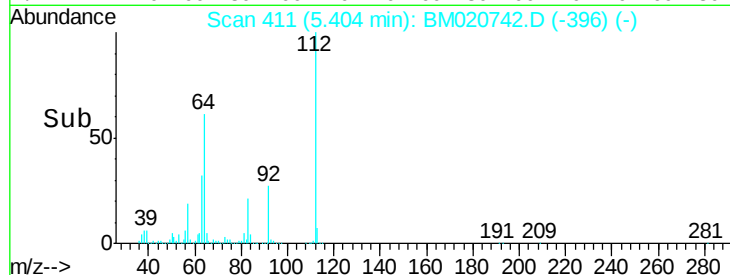
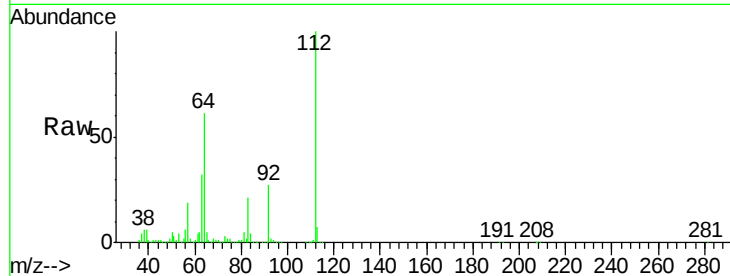
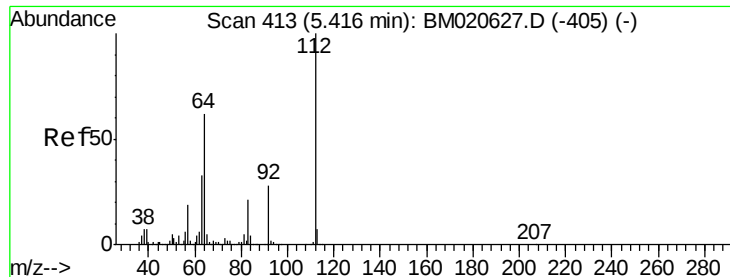
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 6/6/2019 11:21:55 AM



#4  
 n-Nitrosodimethylamine  
 Concen: 39.010 ng  
 RT: 3.66 min Scan# 114  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 42      | 42  | 100   |      |       |       |
| 74      | 74  | 134.5 |      | 99.4  | 149.0 |
| 44      | 44  | 6.9   |      | 5.8   | 8.8   |





#5

2-Fluorophenol

Concen: 137.746 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 2465162 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 61.4  | 49.7  | 74.5    |
| 63       | 32.0  | 26.4  | 39.6    |

Instrument :

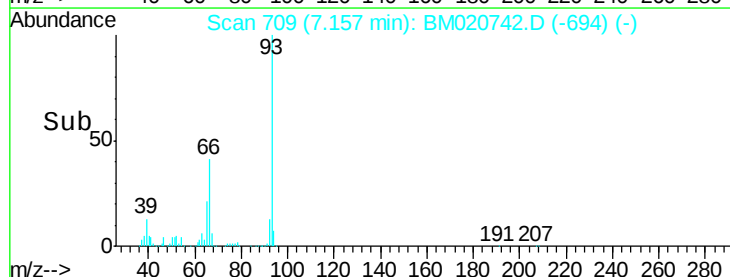
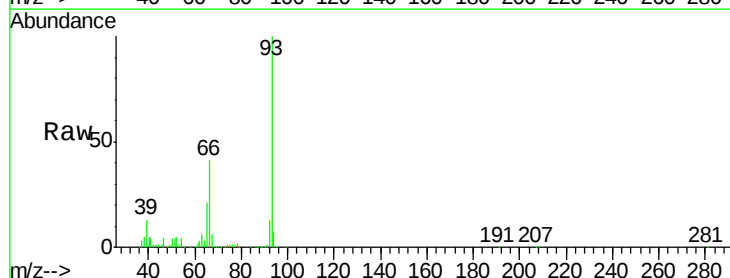
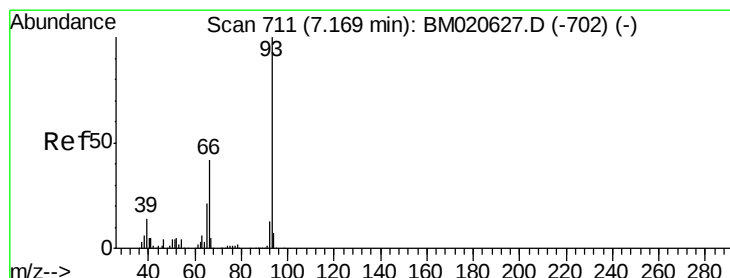
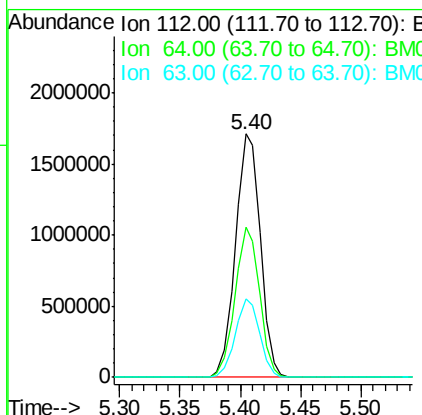
BNA\_M

ClientSampleId :

PB120342BS

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6/6/2019 11:21:55 AM



#6

Aniline

Concen: 30.963 ng

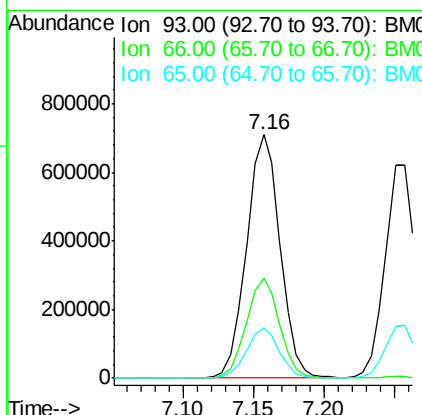
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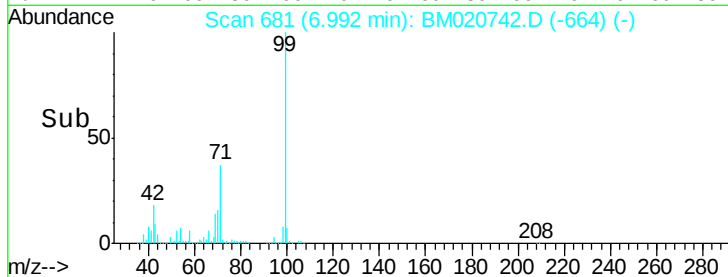
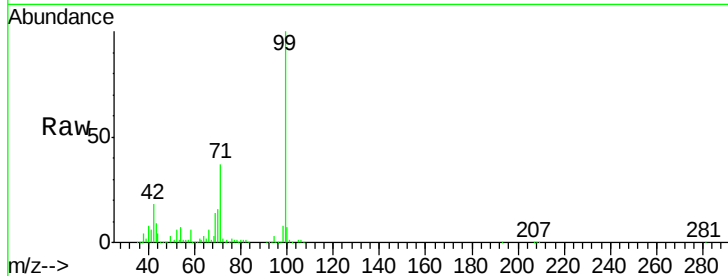
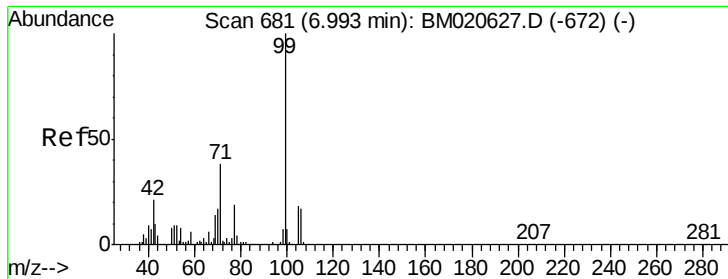
Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 93    | Resp: | 1180590 |
| Ion      | Ratio | Lower | Upper   |
| 93       | 100   |       |         |
| 66       | 41.2  | 33.6  | 50.4    |
| 65       | 20.7  | 16.7  | 25.1    |





#7

Phenol-d6

Concen: 122.974 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Tot Ion: 99 Resp: 3240574

Ion Ratio Lower Upper

99 100

42 18.5 16.5 24.7

71 37.3 30.7 46.1

Instrument :

BNA\_M

ClientSampled :

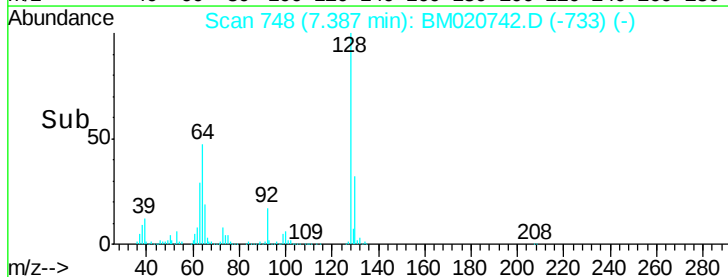
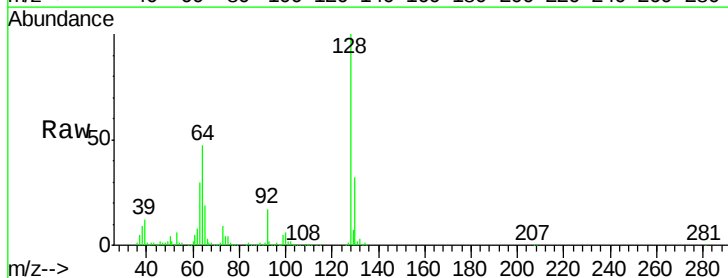
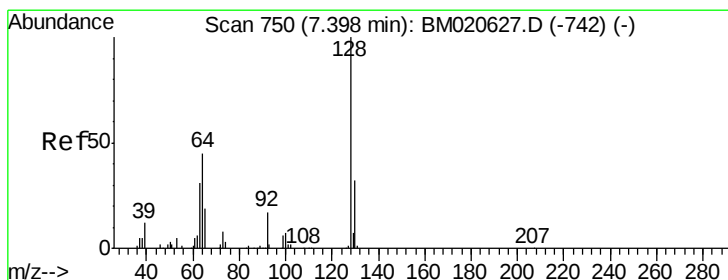
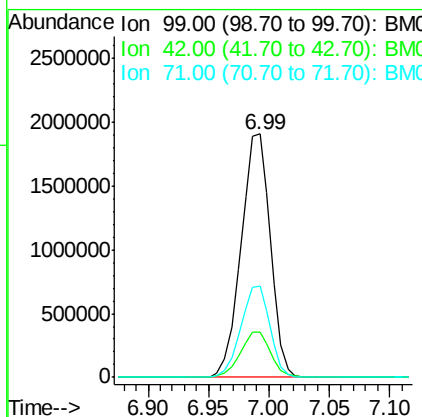
PB120342BS

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#8

2-Chlorophenol

Concen: 47.301 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

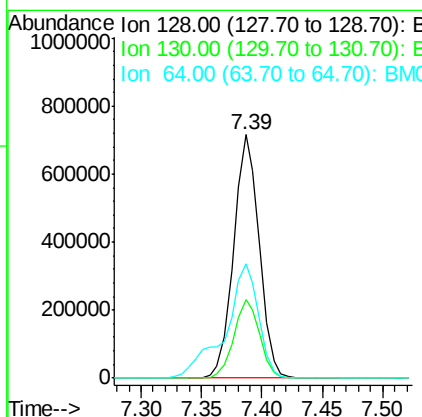
Tgt Ion:128 Resp: 1053096

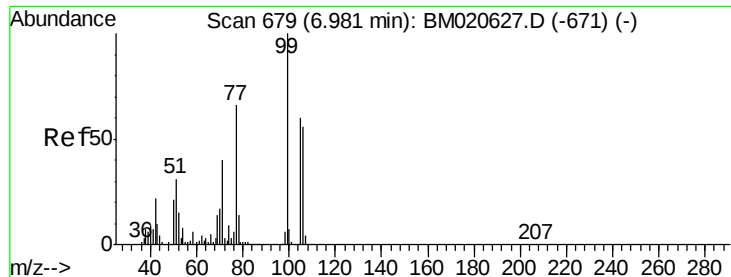
Ion Ratio Lower Upper

128 100

130 32.2 12.2 52.2

64 46.7 29.1 69.1





#9

Benzaldehyde

Concen: 15.377 ng

RT: 6.97 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

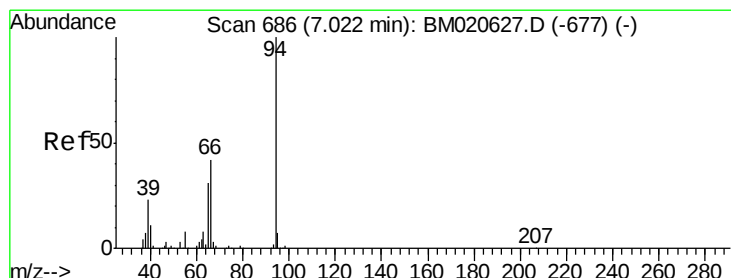
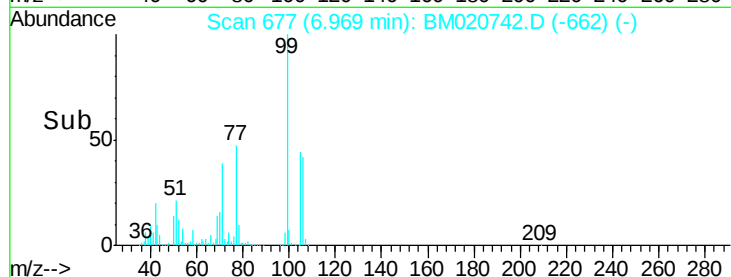
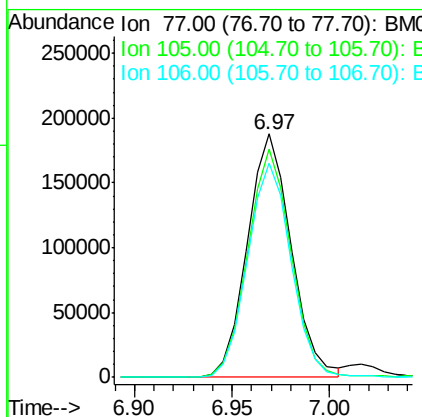
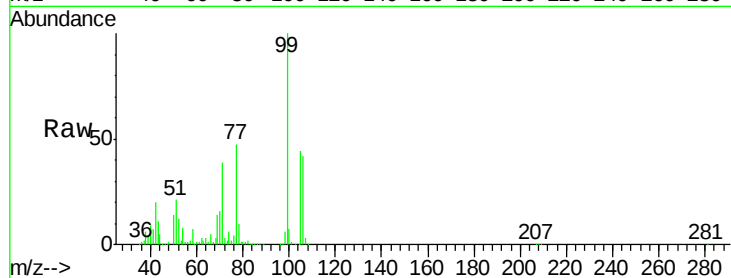
ClientSampled :

PB120342BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 292305 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 93.6  | 70.6  | 110.6  |
| 106       | 88.2  | 64.9  | 104.9  |

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#10

Phenol

Concen: 45.253 ng

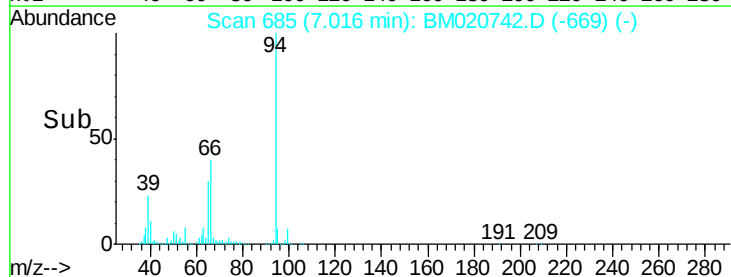
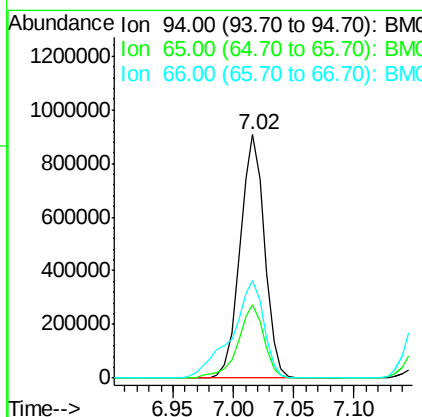
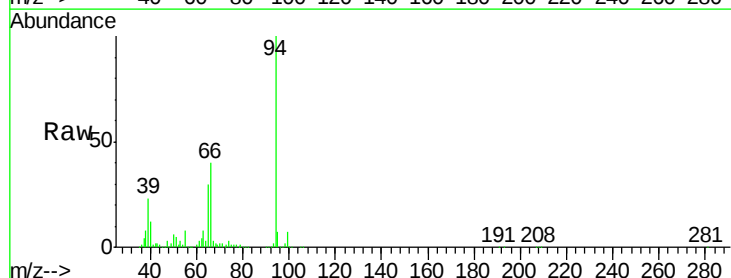
RT: 7.02 min Scan# 685

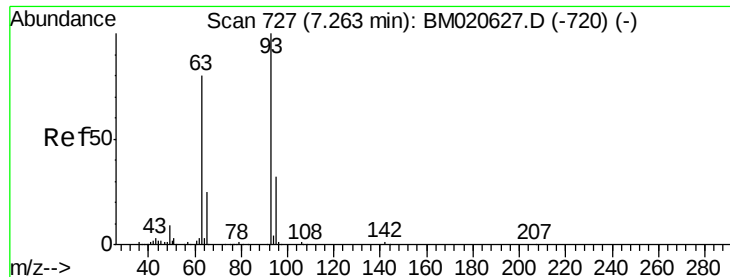
Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 94    | Resp: | 1285108 |
| Ion Ratio | Lower | Upper |         |
| 94        | 100   |       |         |
| 65        | 30.0  | 10.7  | 50.7    |
| 66        | 40.0  | 22.3  | 62.3    |





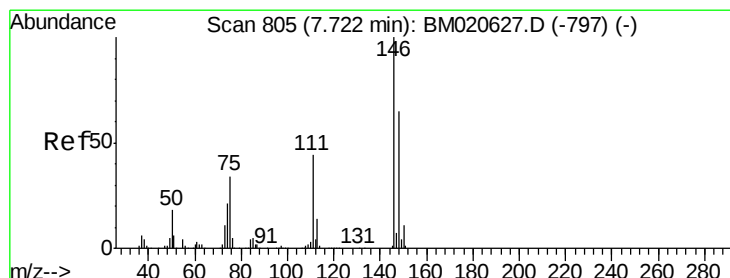
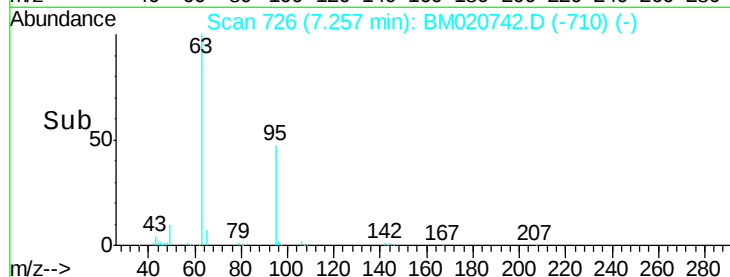
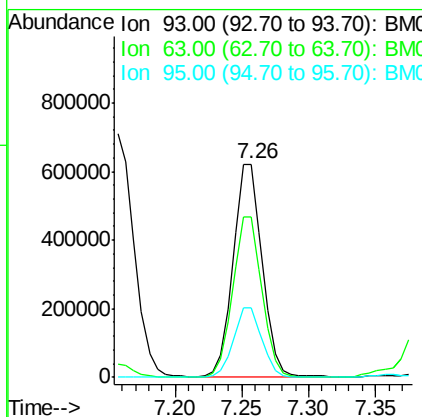
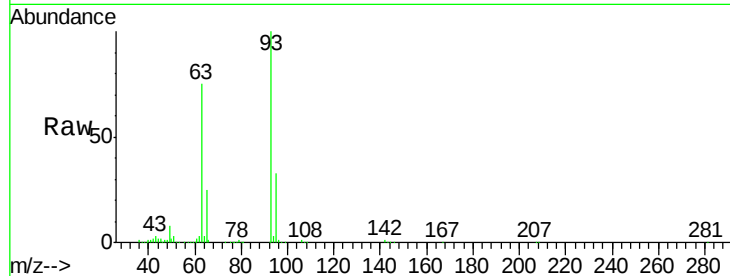
#11  
bis(2-Chloroethyl)ether  
Concen: 41.190 ng  
RT: 7.26 min Scan# 726  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 75.4  | 60.0  | 100.0 |
| 95      | 32.8  | 12.2  | 52.2  |

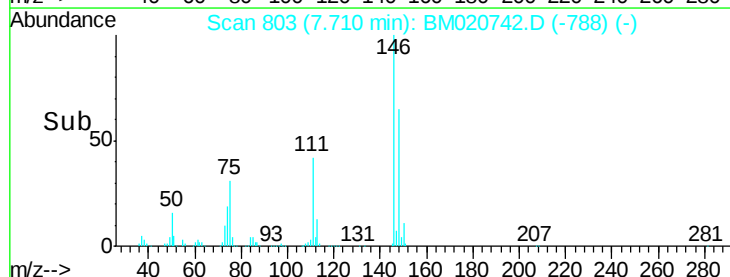
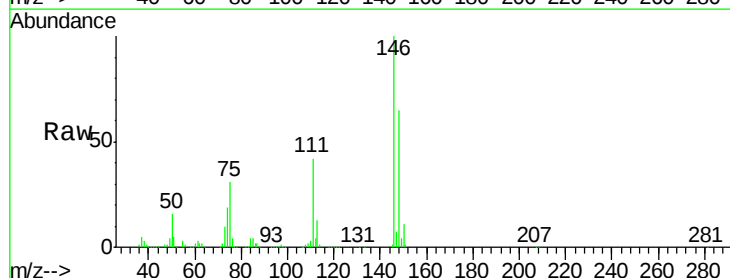
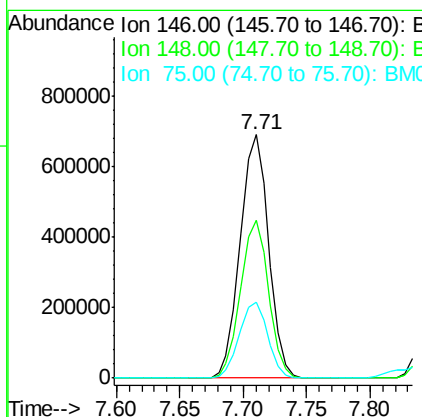
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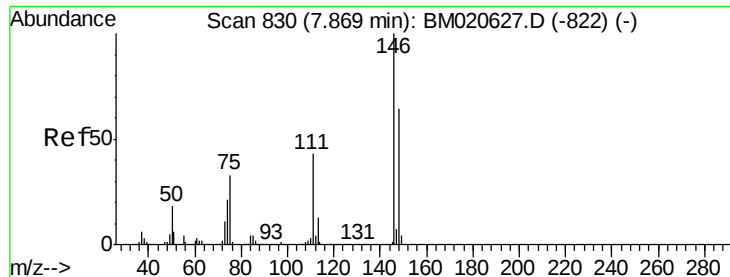
mohammad  
6/6/2019 11:21:55 AM



#12  
1,3-Dichlorobenzene  
Concen: 41.877 ng  
RT: 7.71 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 52.0  | 78.0  |
| 75      | 31.1  | 27.0  | 40.4  |





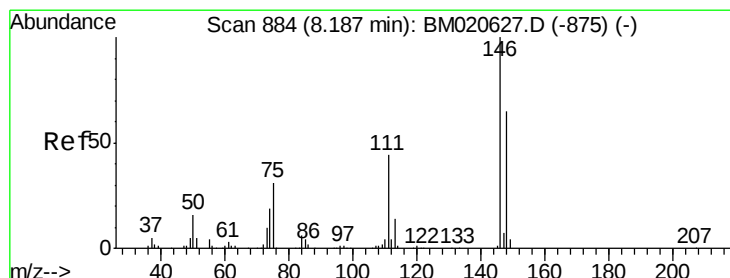
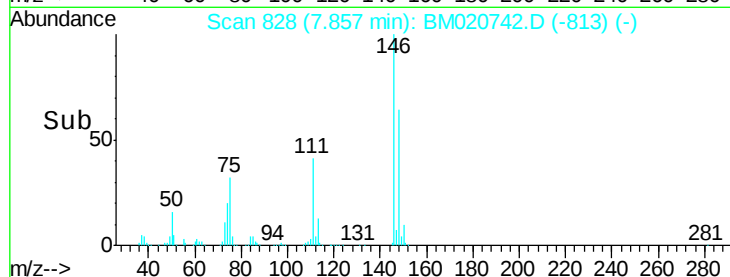
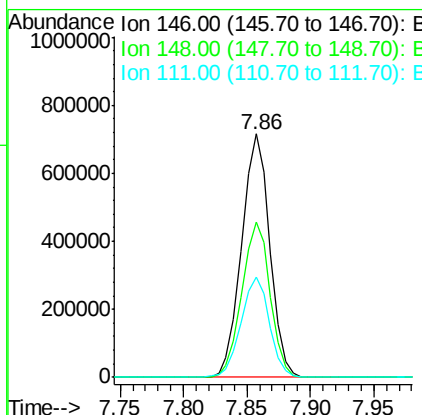
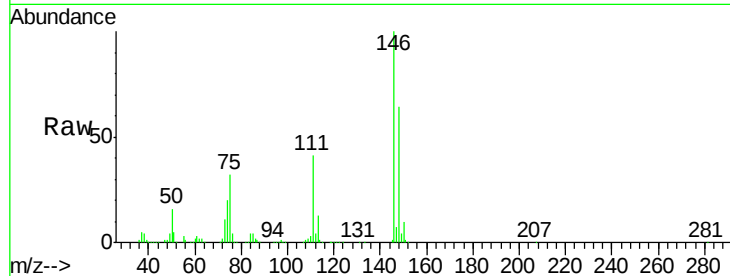
#13  
 1,4-Dichlorobenzene  
 Concen: 42.132 ng  
 RT: 7.86 min Scan# 828  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 146     | 100  |       |       |       |
| 148     | 63.7 | 51.0  | 76.4  |       |
| 111     | 41.0 | 34.4  | 51.6  |       |

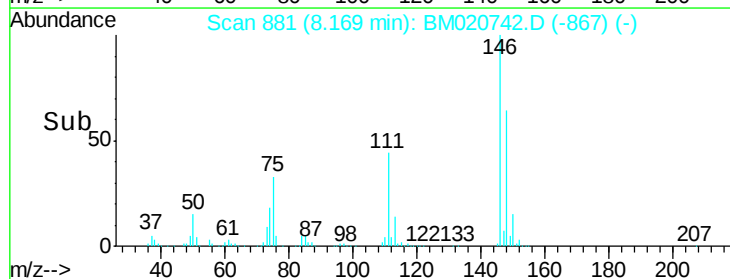
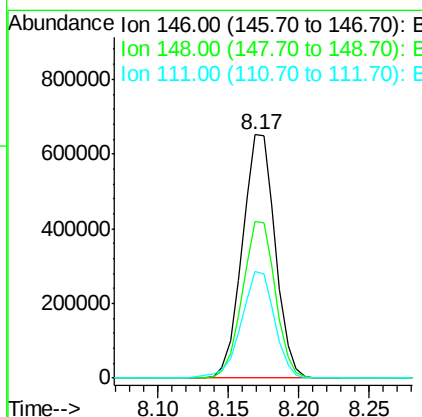
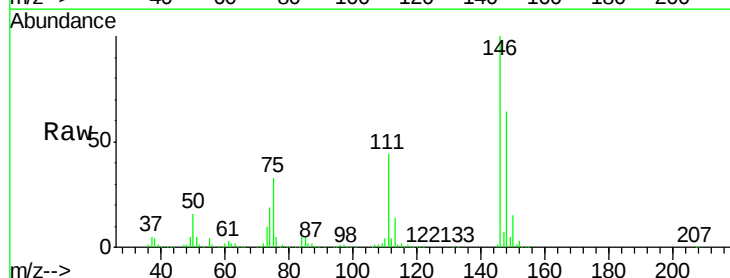
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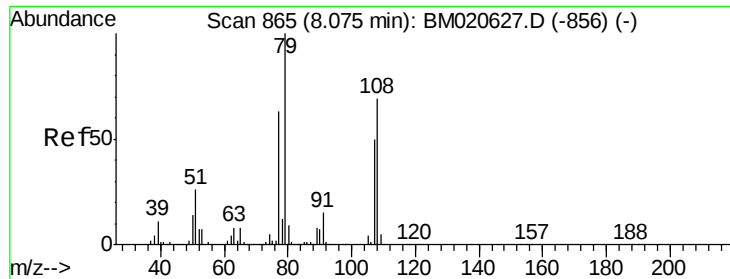
mohammad  
 6/6/2019 11:21:55 AM



#14  
 1,2-Dichlorobenzene  
 Concen: 41.861 ng  
 RT: 8.17 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 146     | 100  |       |       |       |
| 148     | 64.5 | 51.8  | 77.8  |       |
| 111     | 43.7 | 35.1  | 52.7  |       |





#15

Benzyl Alcohol

Concen: 39.813 ng

RT: 8.06 min Scan# 863

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

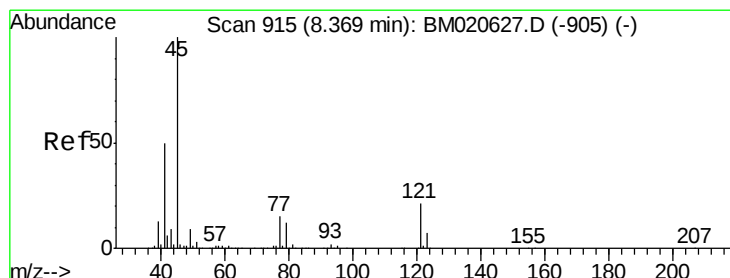
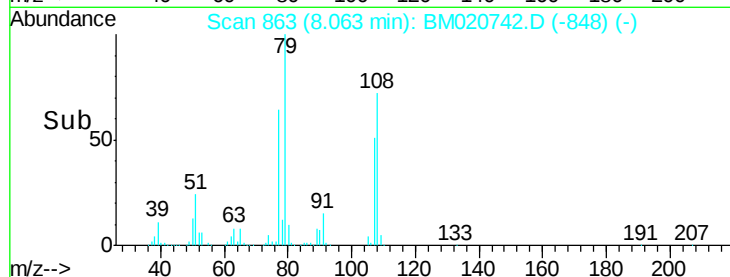
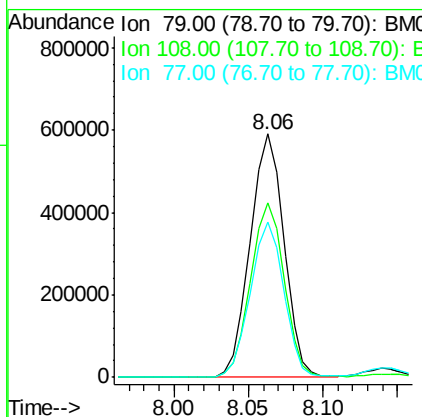
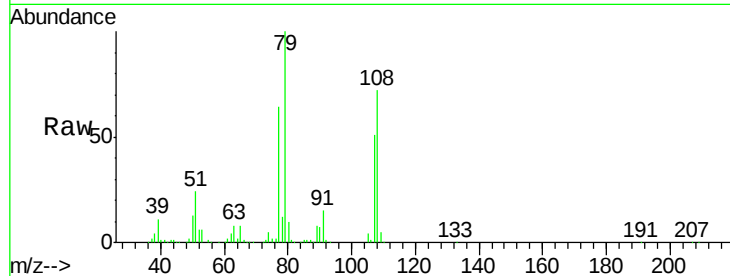
ClientSampleId :

PB120342BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 928145 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 71.9  | 54.9  | 82.3   |
| 77       | 63.7  | 50.2  | 75.4   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.313 ng

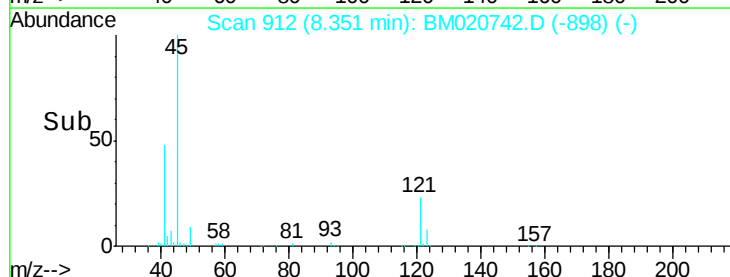
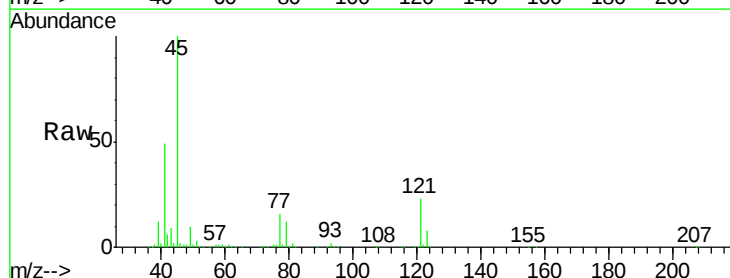
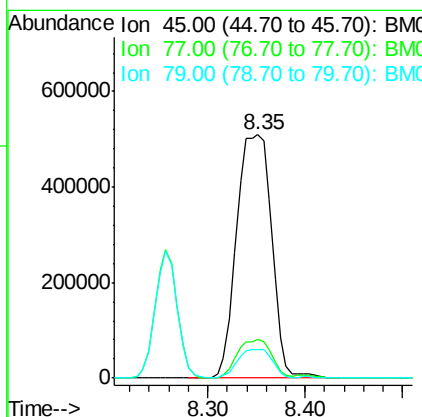
RT: 8.35 min Scan# 912

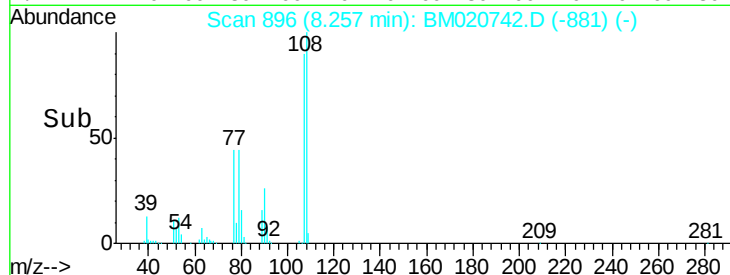
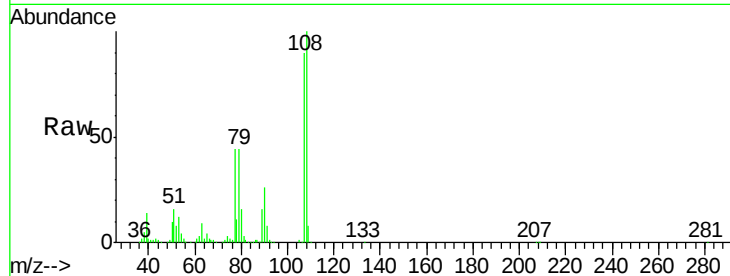
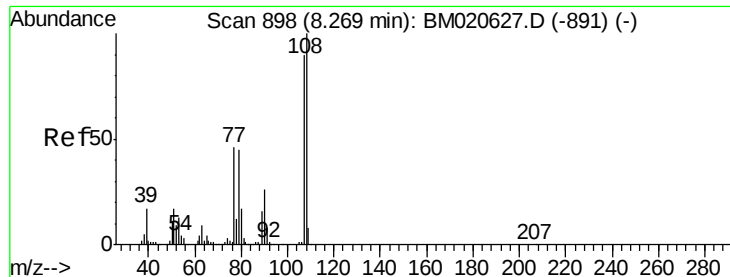
Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1268808 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 77       | 15.9  | 0.0   | 34.9    |
| 79       | 11.9  | 0.0   | 31.8    |





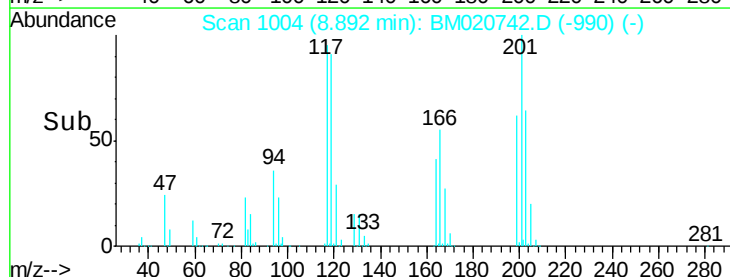
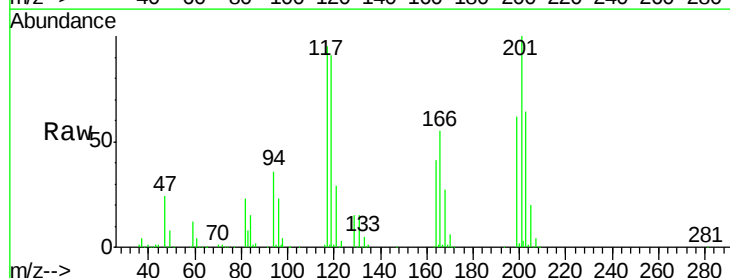
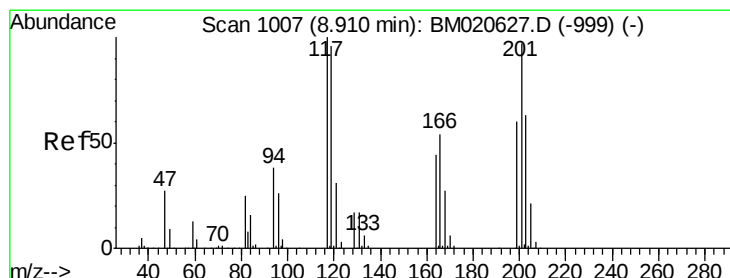
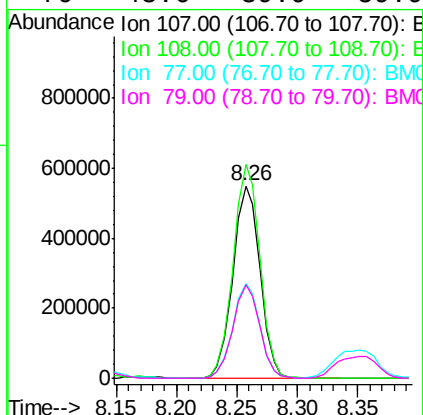
#17  
2-Methylphenol  
Concen: 43.076 ng  
RT: 8.26 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 107     | 107 | 100   |      |       |       |
| 108     | 108 | 111.1 | 88.6 | 133.0 |       |
| 77      | 77  | 49.1  | 40.6 | 61.0  |       |
| 79      | 79  | 48.6  | 39.9 | 59.9  |       |

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

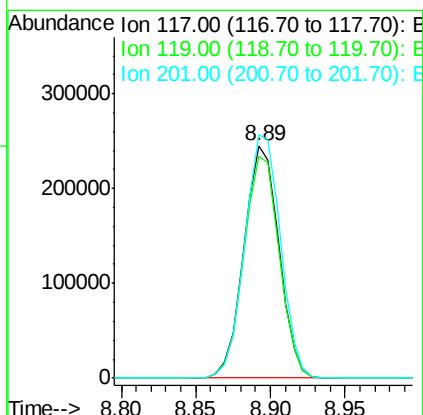
Manual Integrations  
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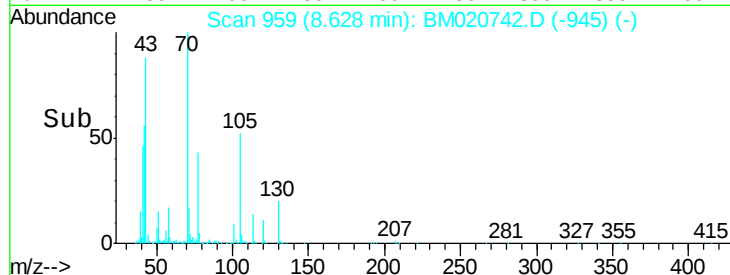
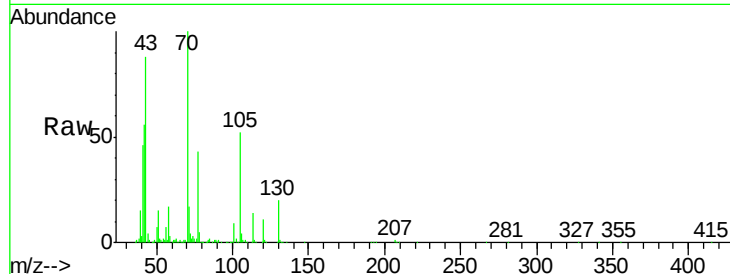
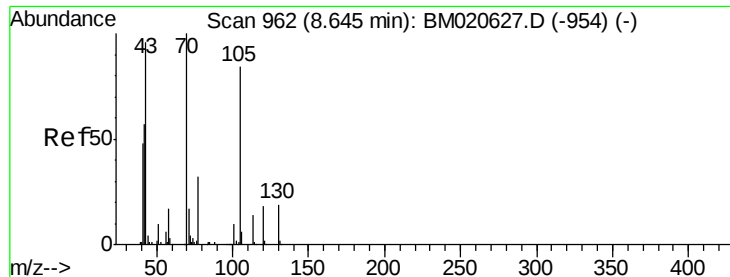
mohammad  
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#18  
Hexachloroethane  
Concen: 39.897 ng  
RT: 8.89 min Scan# 1004  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 117     | 117 | 100   |      |       |       |
| 119     | 119 | 95.2  | 76.7 | 115.1 |       |
| 201     | 201 | 104.8 | 77.9 | 116.9 |       |





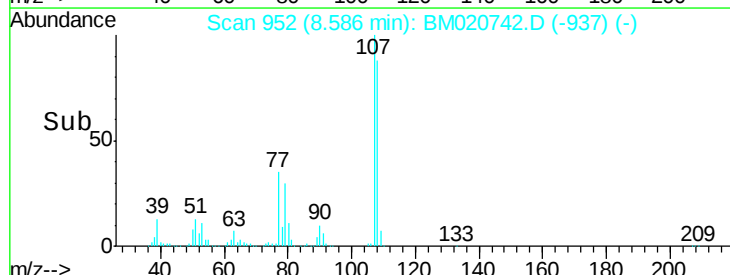
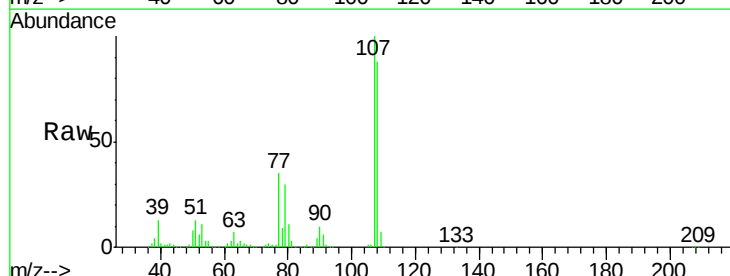
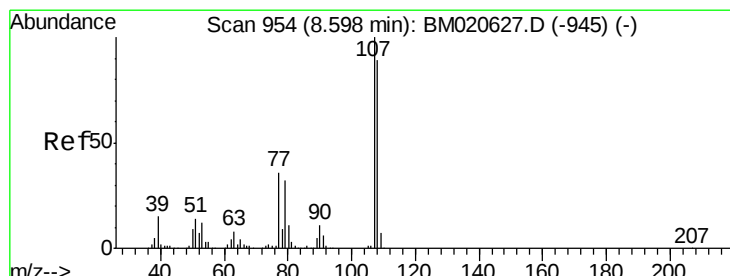
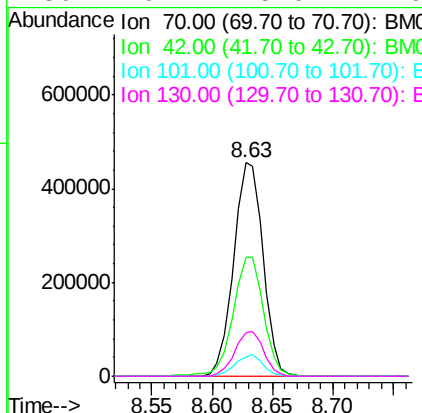
#19  
n-Nitroso-di-n-propylamine  
Concen: 36.557 ng  
RT: 8.63 min Scan# 959  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 774368 |       |       |
| 42      | 55.7 | 46.8  | 70.2   |       |       |
| 101     | 9.3  | 7.8   | 11.6   |       |       |
| 130     | 20.4 | 15.0  | 22.6   |       |       |

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

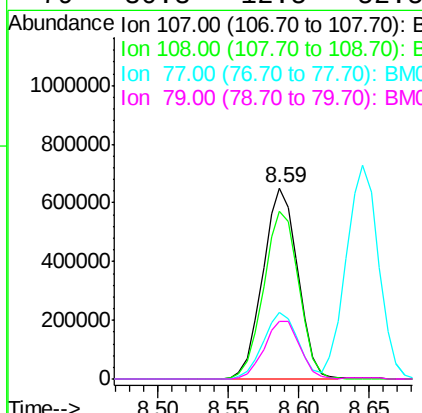
Manual Integrations  
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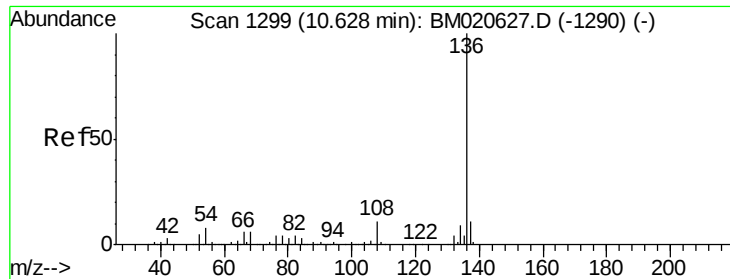
mohammad  
6/6/2019 11:21:55 AM



#20  
3+4-Methylphenols  
Concen: 41.558 ng  
RT: 8.59 min Scan# 952  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 107     | 100  |       | 1129100 |       |       |
| 108     | 87.9 | 69.2  | 109.2   |       |       |
| 77      | 35.1 | 16.2  | 56.2    |       |       |
| 79      | 30.3 | 12.5  | 52.5    |       |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:136 Resp: 1253813

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

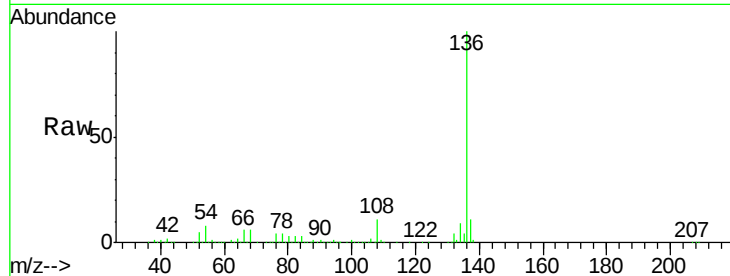
54 7.8 6.6 10.0

68 6.3 5.1 7.7

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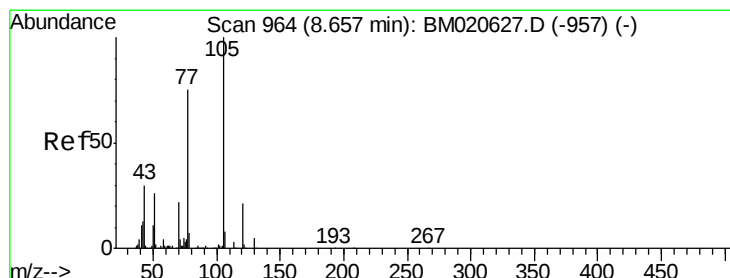
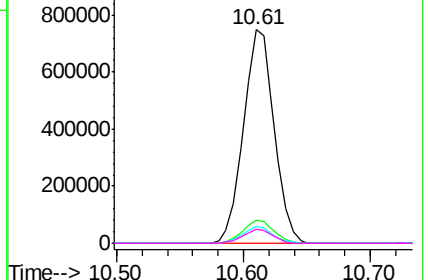
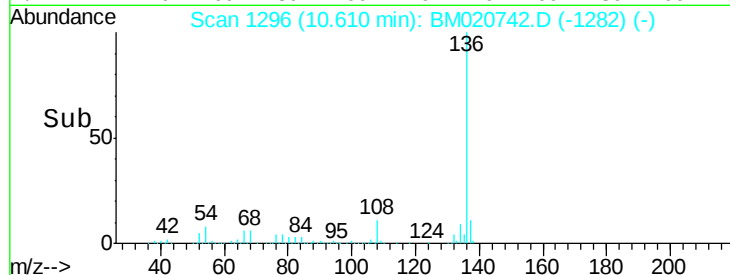


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 45.379 ng

RT: 8.65 min Scan# 962

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Tgt Ion:105 Resp: 1445397

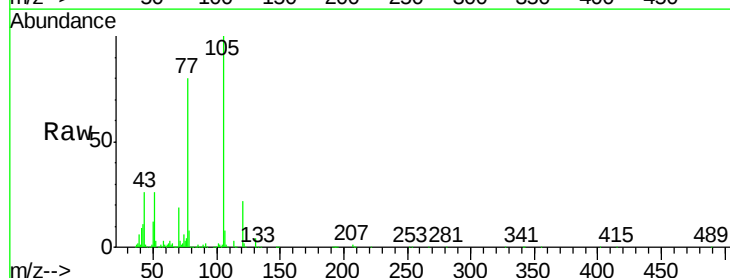
Ion Ratio Lower Upper

105 100

71 3.1 3.2 4.8#

51 26.0 22.8 34.2

120 22.1 17.0 25.4

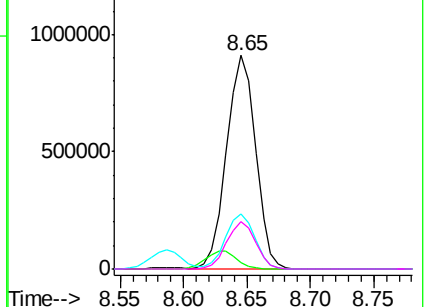
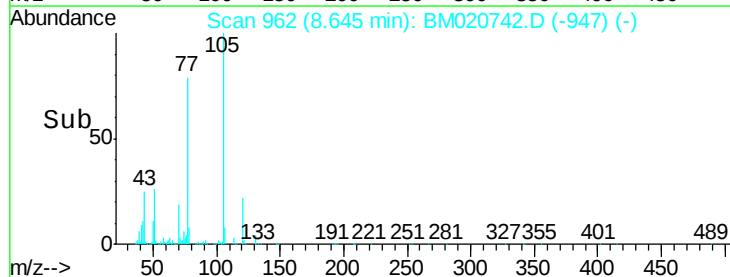


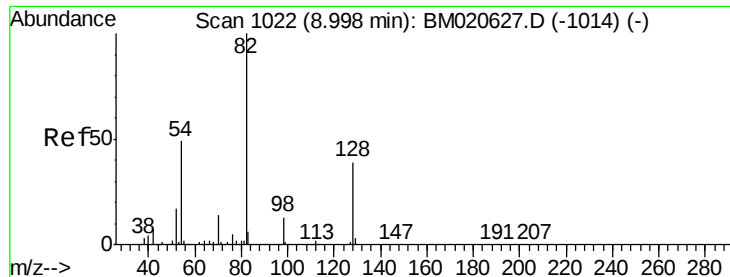
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





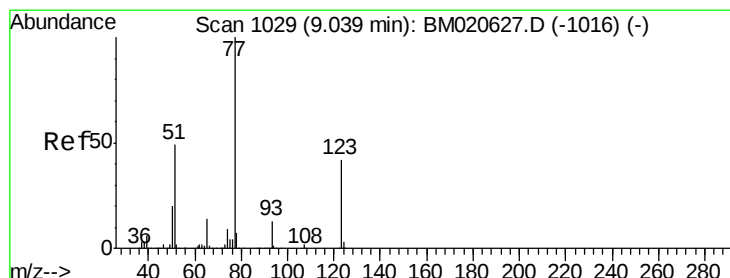
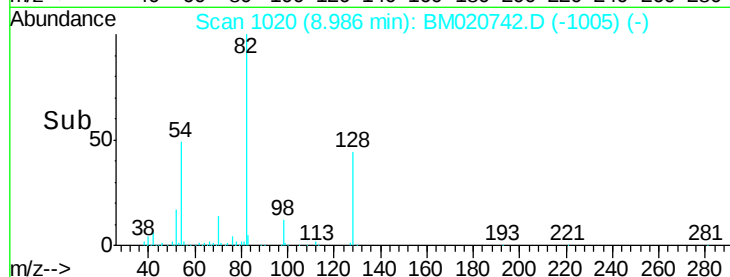
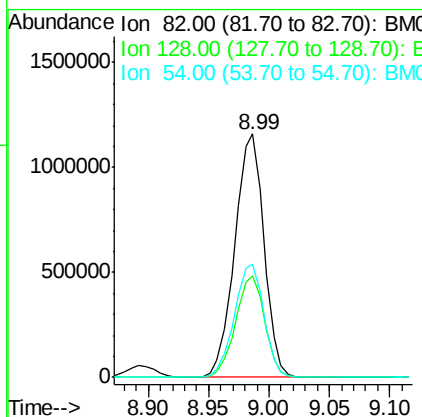
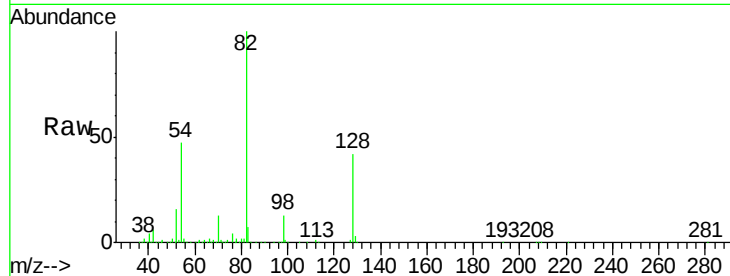
#23  
Nitrobenzene-d5  
Concen: 80.939 ng  
RT: 8.99 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.7  | 31.5  | 47.3  |
| 54      | 46.5  | 39.4  | 59.0  |

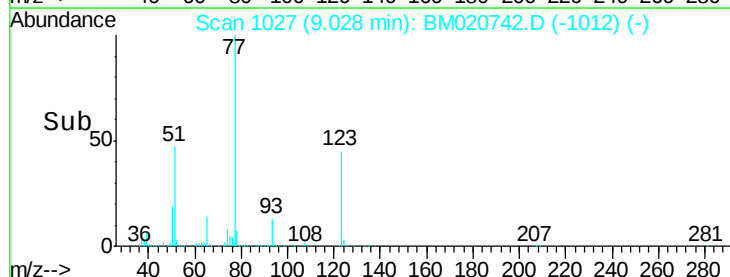
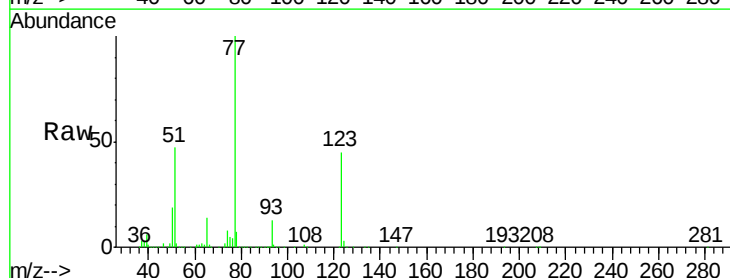
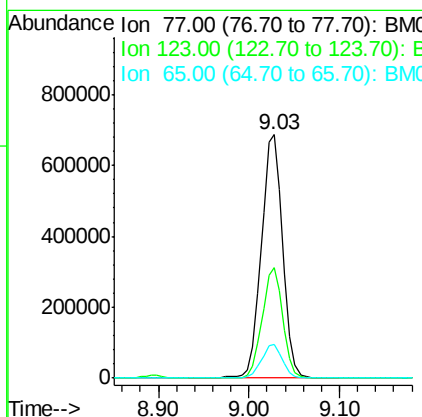
Manual Integrations  
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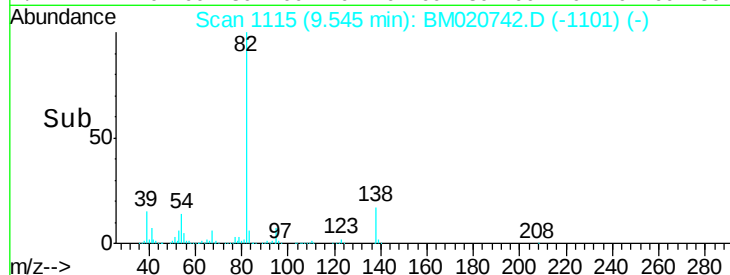
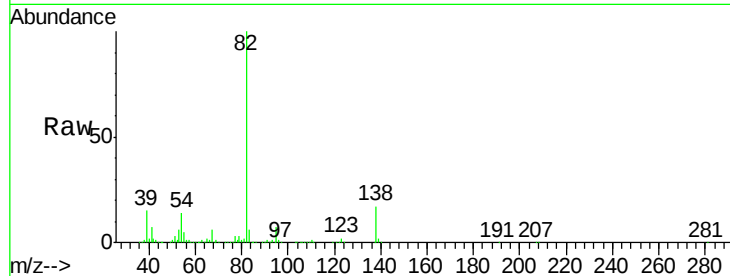
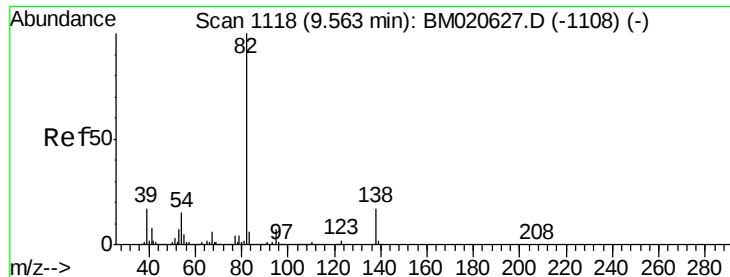
mohammad  
6/6/2019 11:21:55 AM



#24  
Nitrobenzene  
Concen: 45.524 ng  
RT: 9.03 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 45.2  | 33.7  | 50.5  |
| 65      | 13.9  | 11.0  | 16.6  |





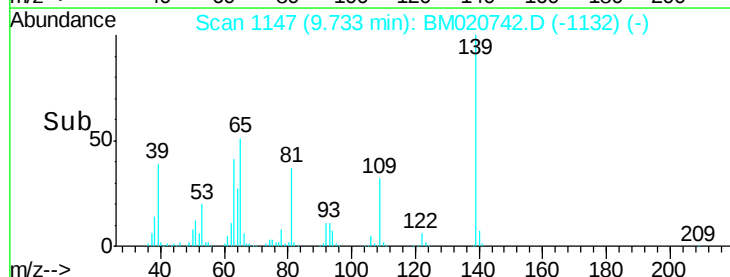
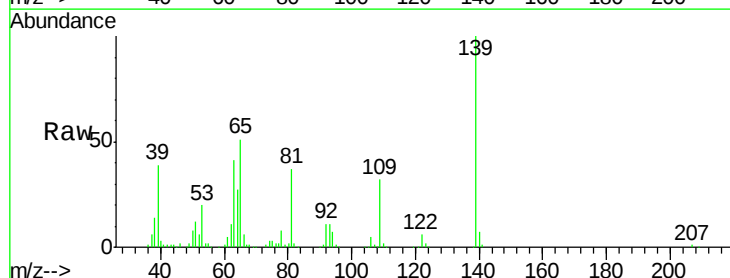
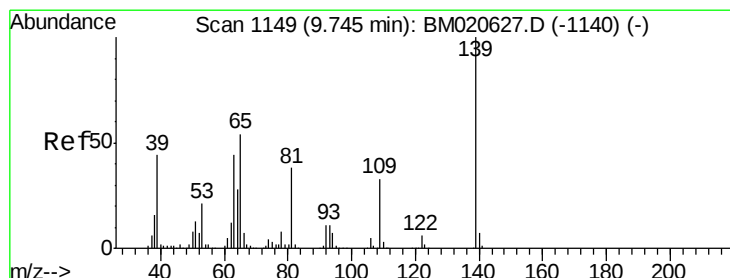
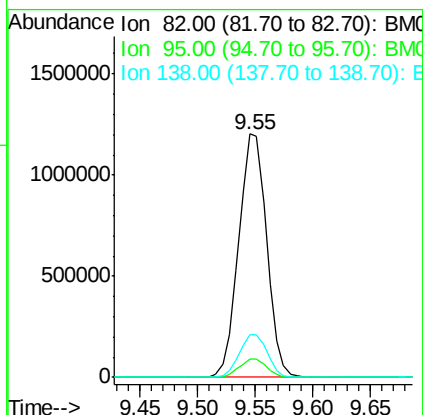
#25  
Isophorone  
Concen: 42.143 ng  
RT: 9.55 min Scan# 1115  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.5   | 5.8   | 8.8   |
| 138     | 17.3  | 13.8  | 20.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

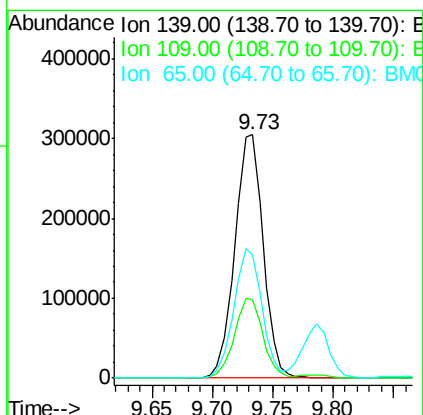
Manual Integrations  
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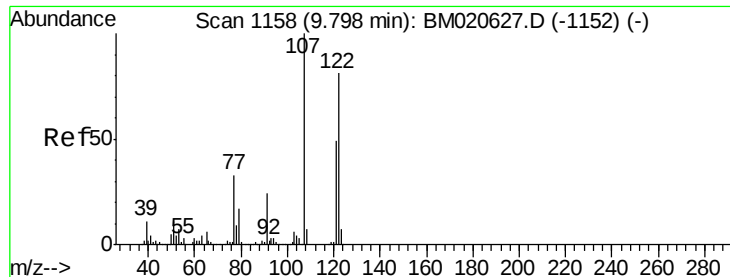
mohammad  
6/6/2019 11:21:55 AM



#26  
2-Nitrophenol  
Concen: 54.530 ng  
RT: 9.73 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 32.1  | 26.1  | 39.1  |
| 65      | 50.8  | 43.4  | 65.0  |





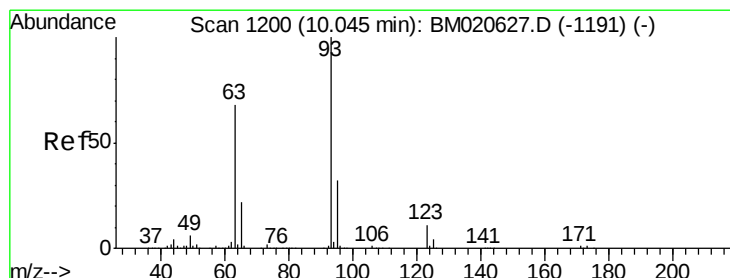
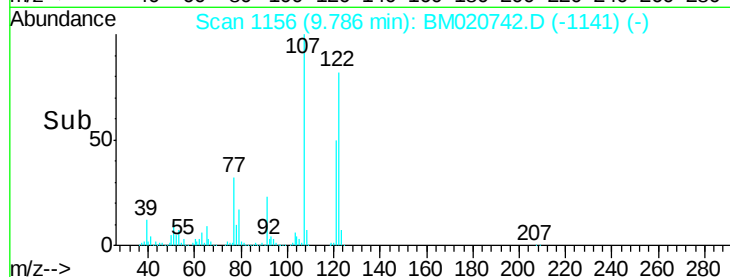
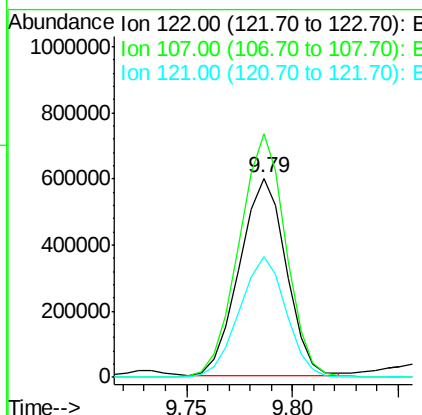
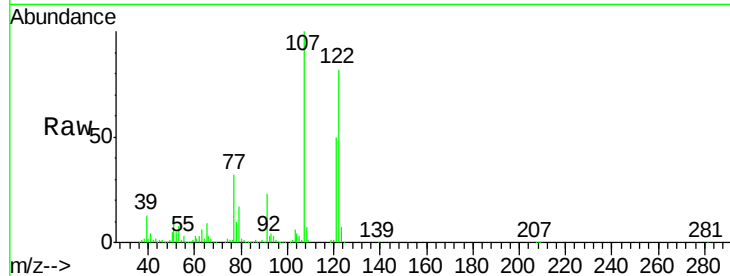
#27  
 2,4-Dimethylphenol  
 Concen: 53.239 ng  
 RT: 9.79 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.1 | 98.0  | 147.0 |
| 121     | 60.6  | 48.2  | 72.4  |

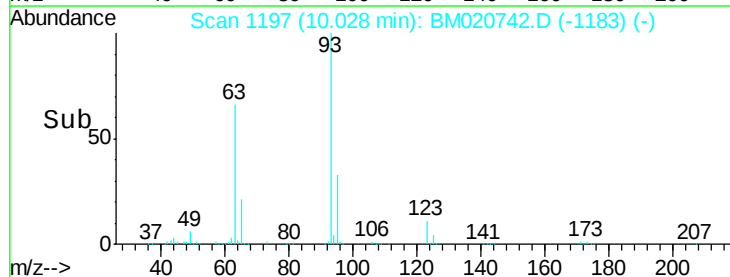
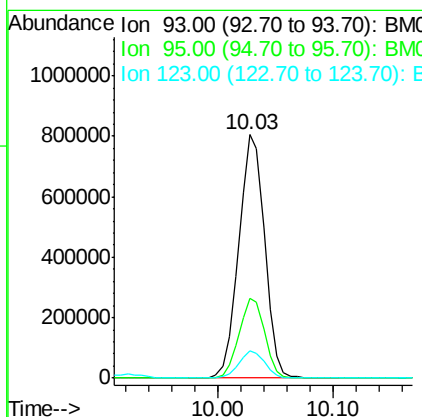
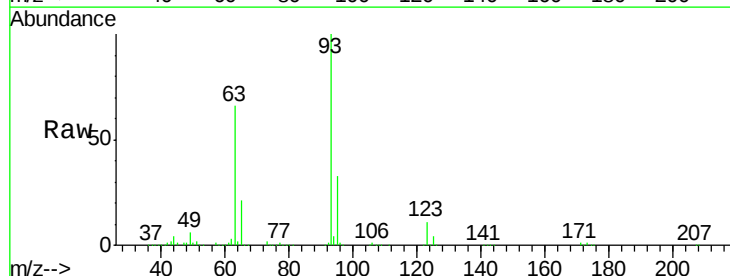
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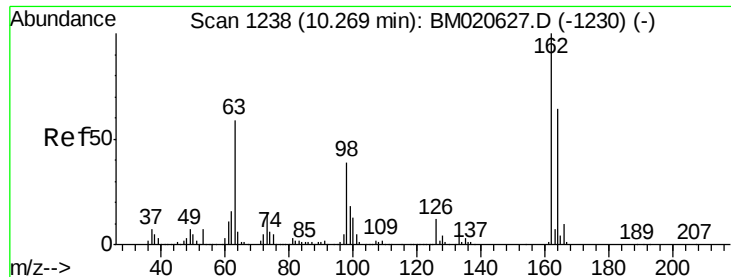
mohammad  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 42.878 ng  
 RT: 10.03 min Scan# 1197  
 Delta R.T. -0.02 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.9  | 25.8  | 38.6  |
| 123     | 11.1  | 9.0   | 13.6  |





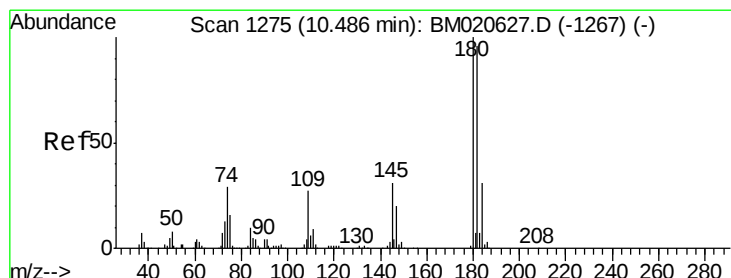
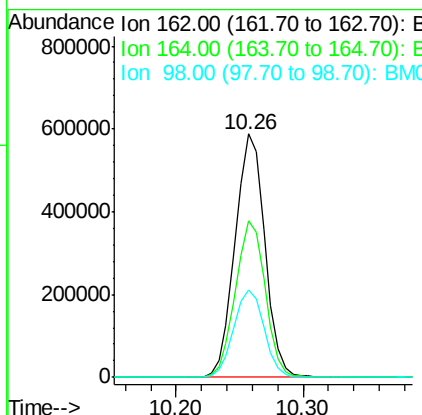
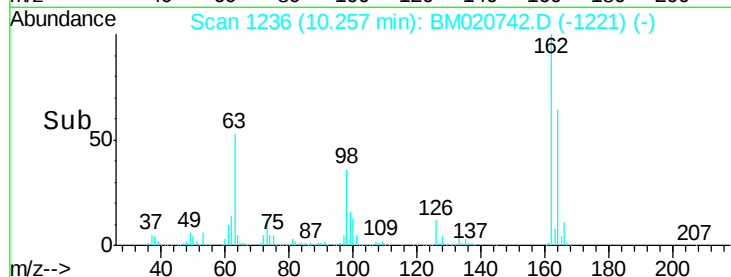
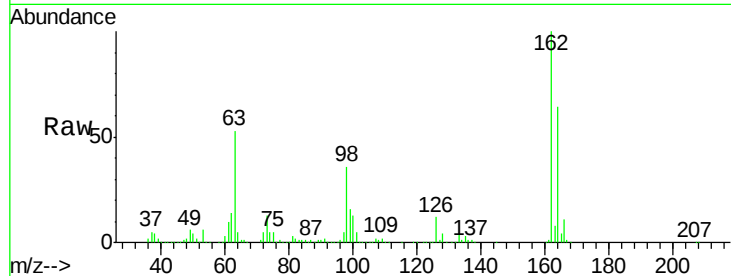
#29  
2,4-Dichlorophenol  
Concen: 50.100 ng  
RT: 10.26 min Scan# 1236  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 956311 |       |       |
| 164     | 64.2  | 43.8   | 83.8  |       |
| 98      | 35.7  | 19.1   | 59.1  |       |

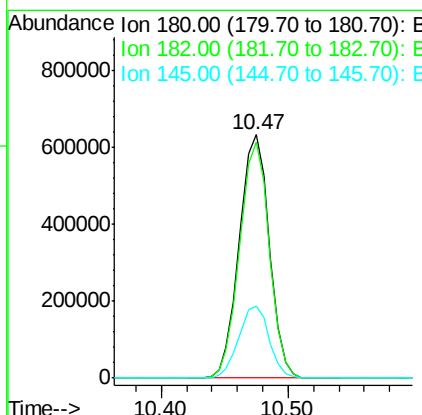
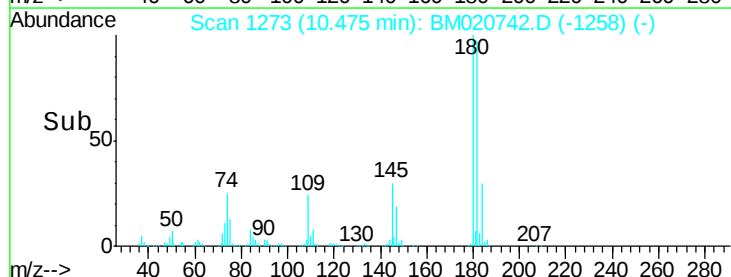
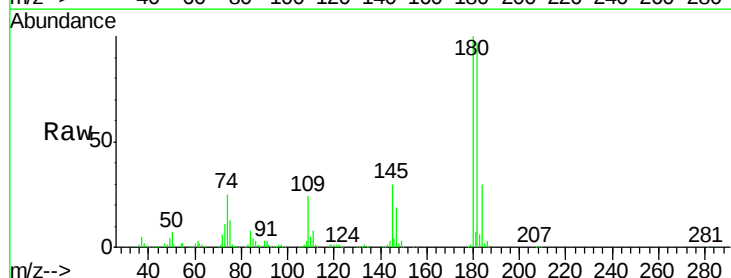
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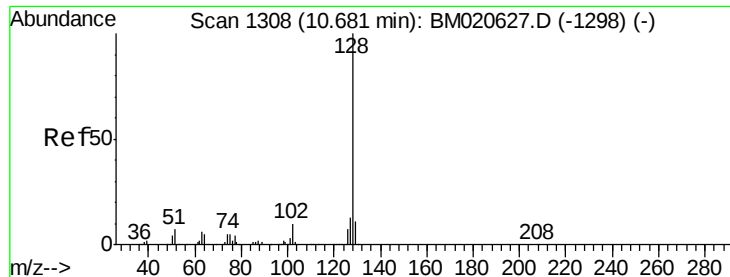
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#30  
1,2,4-Trichlorobenzene  
Concen: 47.425 ng  
RT: 10.47 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 180     | 100   | 1040899 |       |       |
| 182     | 96.8  | 77.0    | 115.6 |       |
| 145     | 29.9  | 25.0    | 37.4  |       |





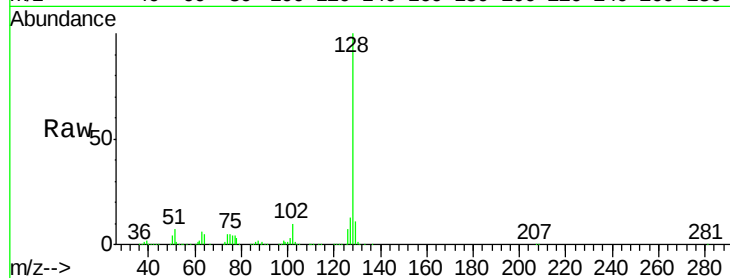
#31  
Naphthalene  
Concen: 46.367 ng  
RT: 10.66 min Scan# 1305  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.7  | 8.7   | 13.1  |
| 127     | 13.0  | 10.3  | 15.5  |

Manual Integrations  
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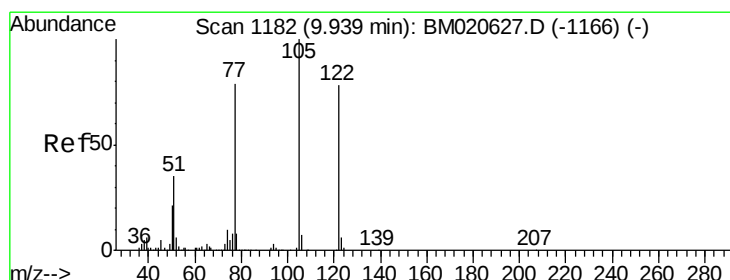
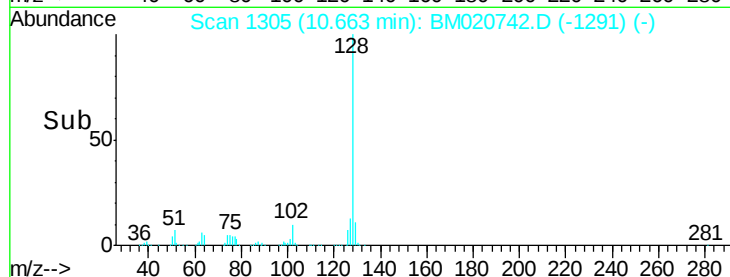
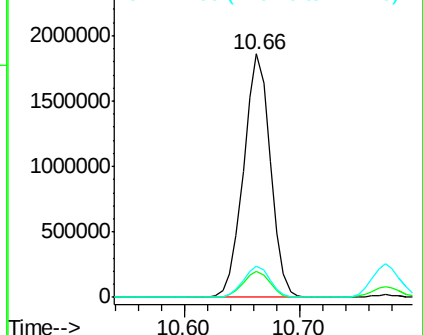


Abundance

Ion 128.00 (127.70 to 128.70): E

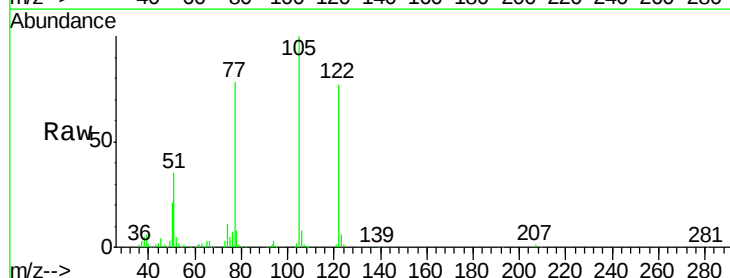
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 46.448 ng m  
RT: 9.93 min Scan# 1180  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 130.5 | 107.0 | 147.0 |
| 77      | 102.0 | 80.9  | 120.9 |

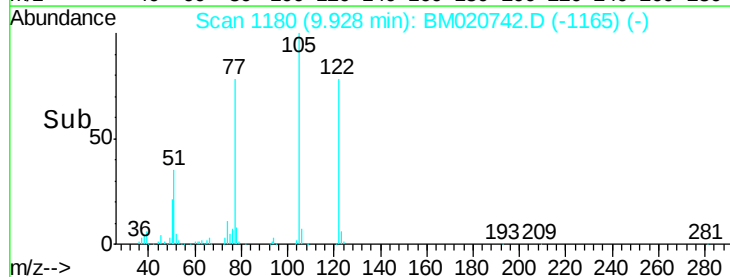
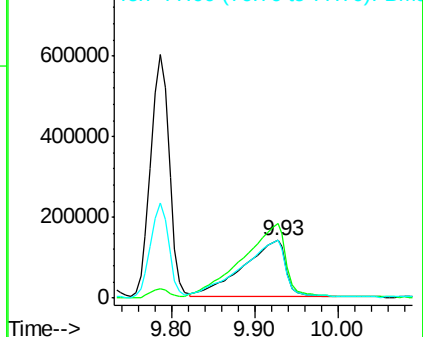


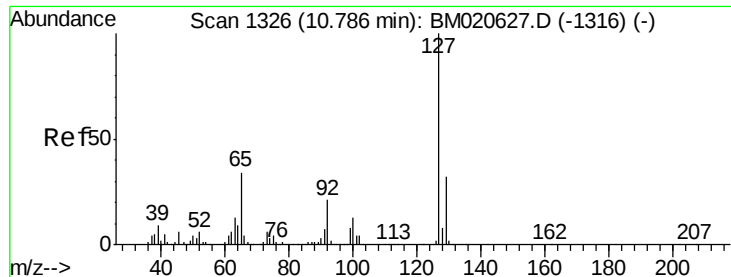
Abundance

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): BM





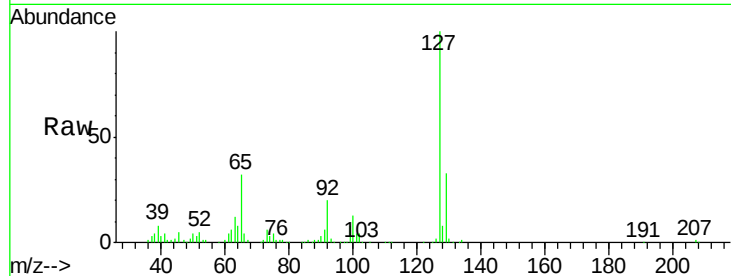
#33  
4-Chloroaniline  
Concen: 14.752 ng  
RT: 10.77 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

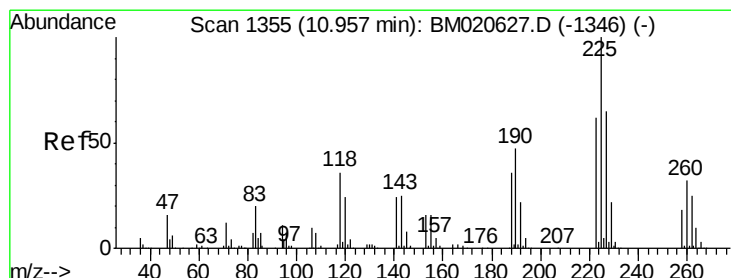
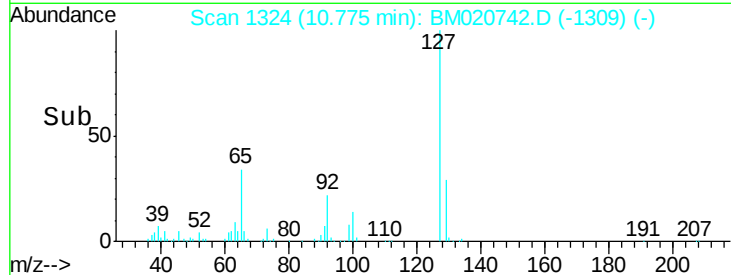
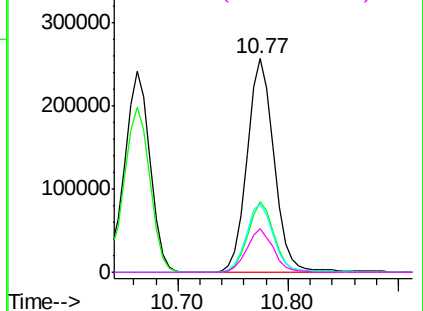
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.9  | 25.7 | 38.5  |       |
| 65      | 31.9  | 27.4 | 41.0  |       |
| 92      | 20.4  | 17.0 | 25.6  |       |

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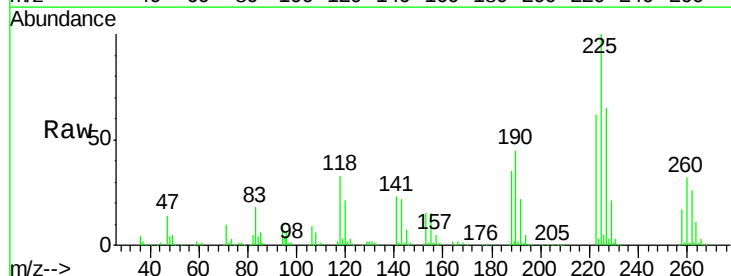


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

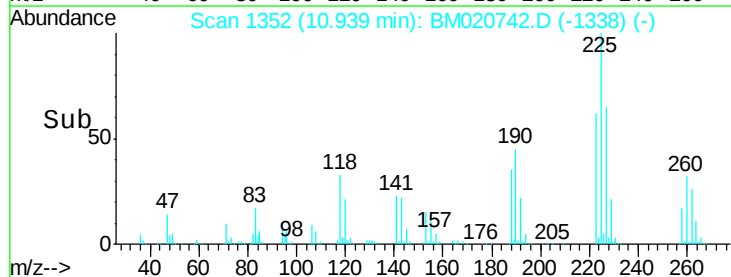
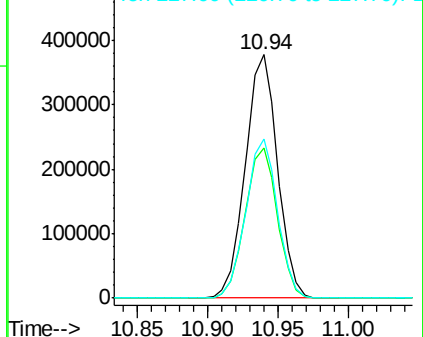


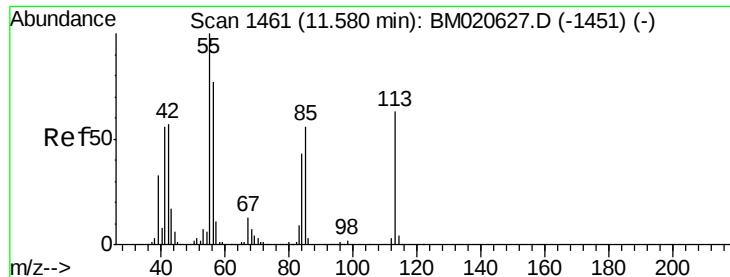
#34  
Hexachlorobutadiene  
Concen: 45.957 ng  
RT: 10.94 min Scan# 1352  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 61.9  | 49.7 | 74.5  |       |
| 227     | 65.4  | 51.8 | 77.8  |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 39.415 ng/mL

RT: 11.57 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:113 Resp: 261368

Ion Ratio Lower Upper

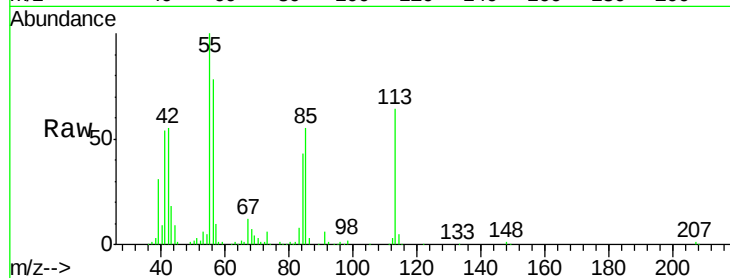
113 100

55 156.1 138.6 178.6

56 122.2 102.3 142.3

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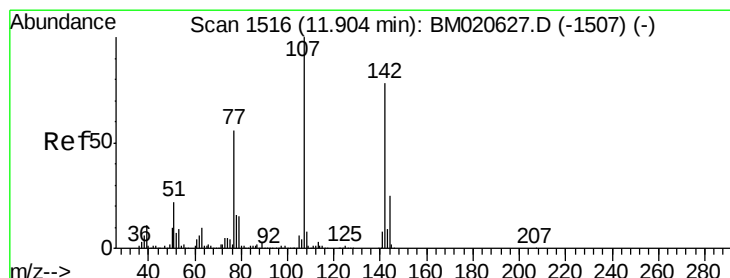
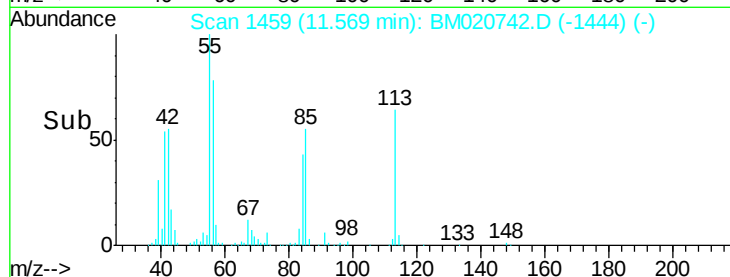
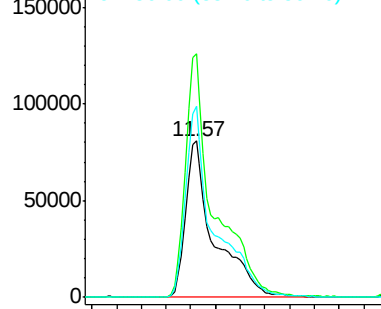
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 42.716 ng/mL

RT: 11.89 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

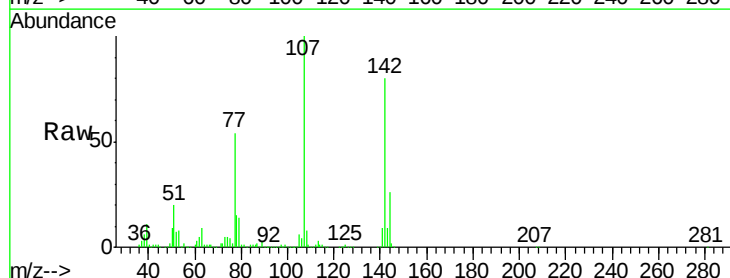
Tgt Ion:107 Resp: 947983

Ion Ratio Lower Upper

107 100

144 26.0 20.3 30.5

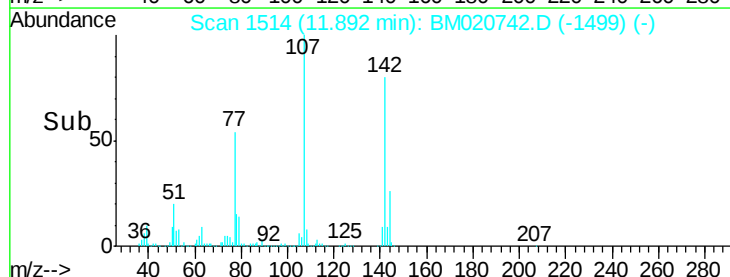
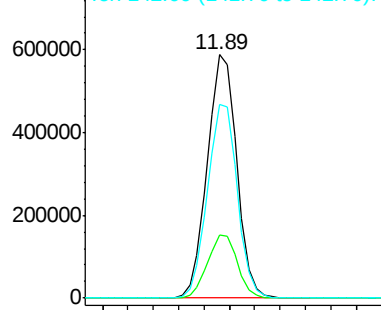
142 79.6 62.6 93.8

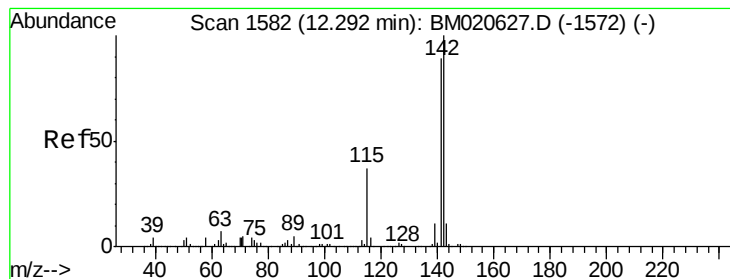


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.384 ng

RT: 12.27 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:142 Resp: 2168929

Ion Ratio Lower Upper

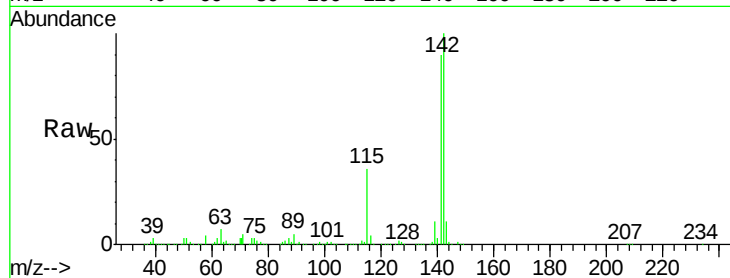
142 100

141 90.0 71.6 107.4

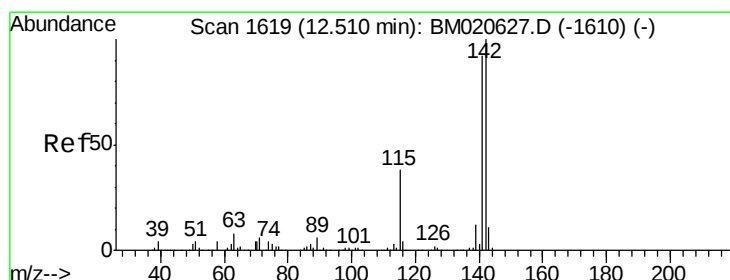
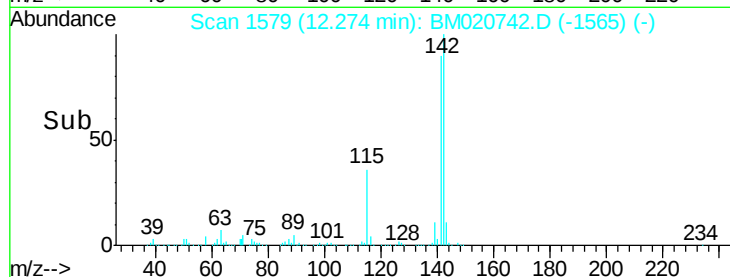
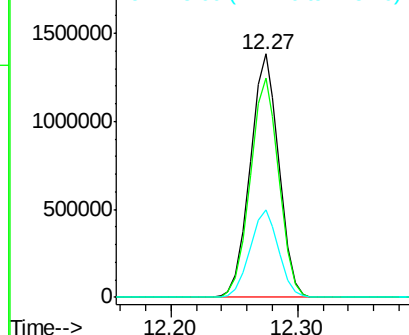
115 36.0 29.6 44.4

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



#38

1-Methylnaphthalene

Concen: 45.530 ng

RT: 12.49 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

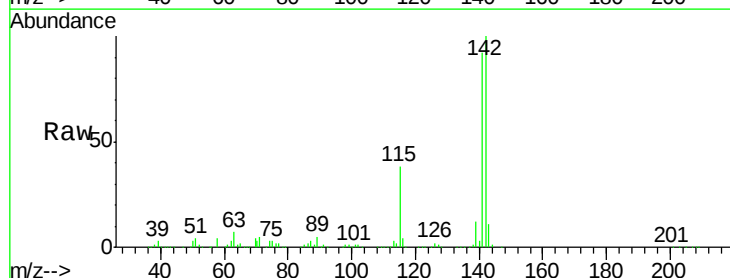
Tgt Ion:142 Resp: 2071850

Ion Ratio Lower Upper

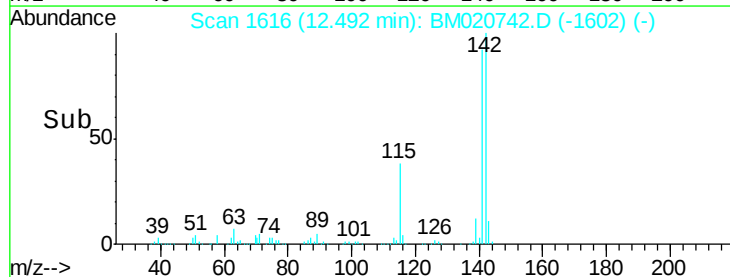
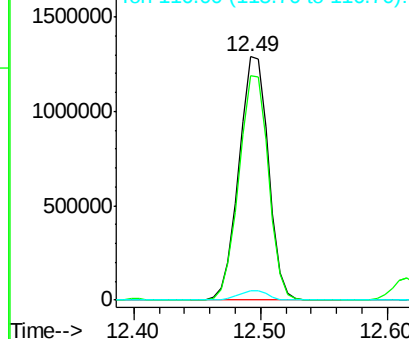
142 100

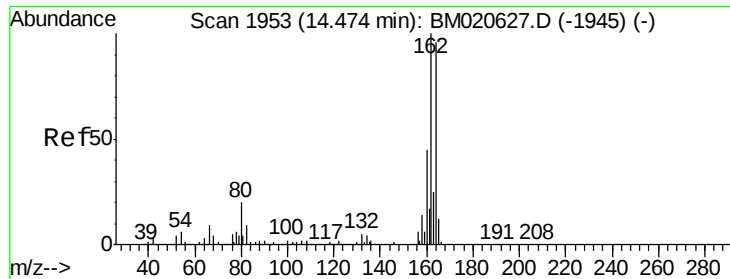
141 92.1 73.9 110.9

116 3.9 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





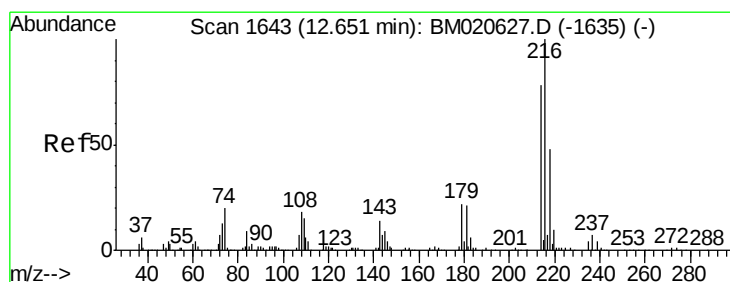
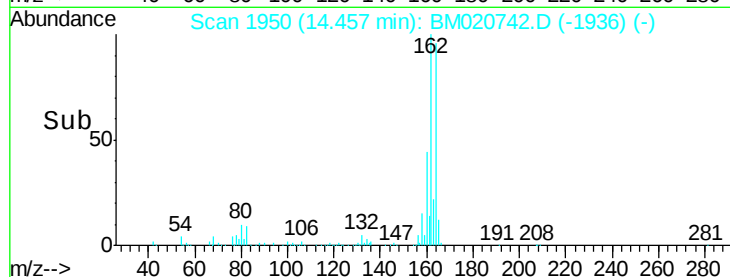
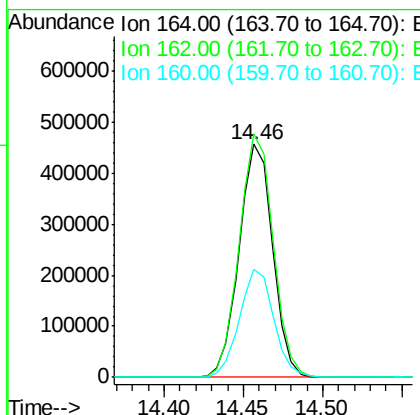
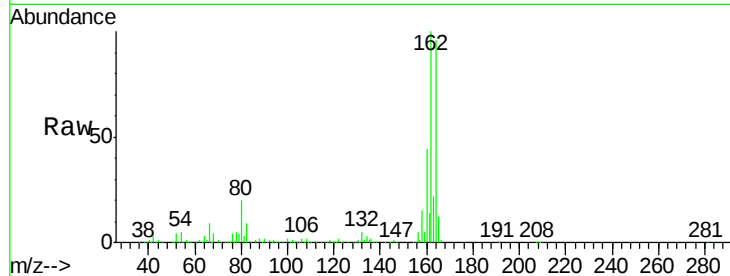
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.46 min Scan# 1950  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 83.2  | 124.8 |
| 160     | 46.3  | 37.5  | 56.3  |

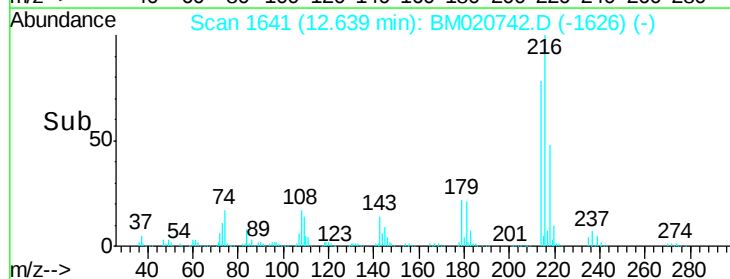
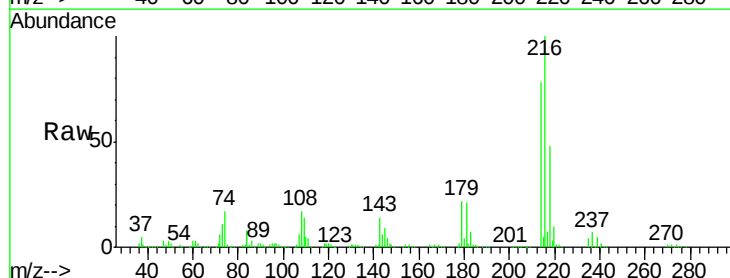
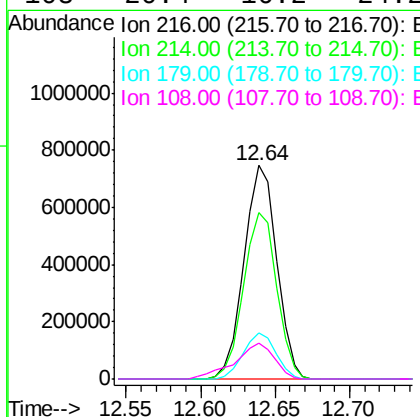
Manual Integrations  
APPROVED

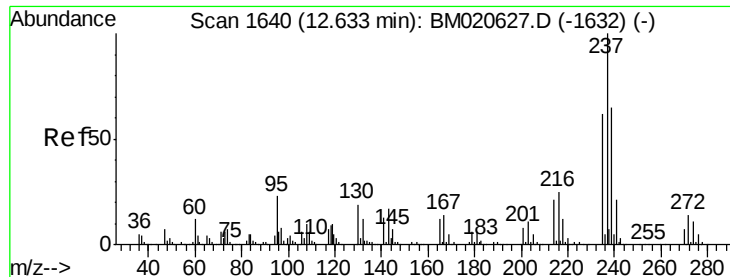
mohammad  
6/6/2019 11:21:55 AM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.502 ng  
RT: 12.64 min Scan# 1641  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.9  | 63.0  | 94.4  |
| 179     | 21.5  | 17.9  | 26.9  |
| 108     | 20.4  | 16.2  | 24.2  |





#41

Hexachlorocyclopentadiene

Concen: 110.908 ng

RT: 12.62 min Scan# 1637

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:237 Resp: 1457718

Ion Ratio Lower Upper

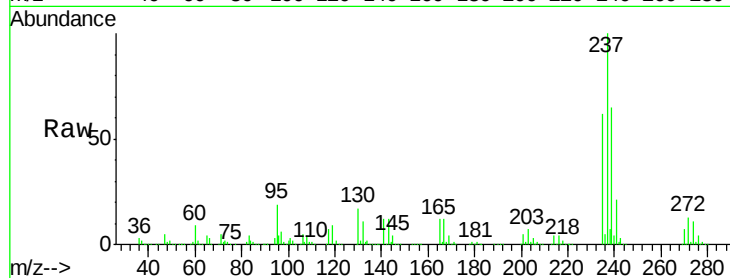
237 100

235 62.1 42.1 82.1

272 13.3 0.0 33.5

Manual Integrations  
APPROVED

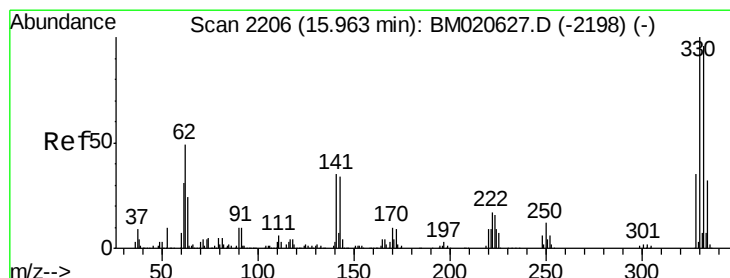
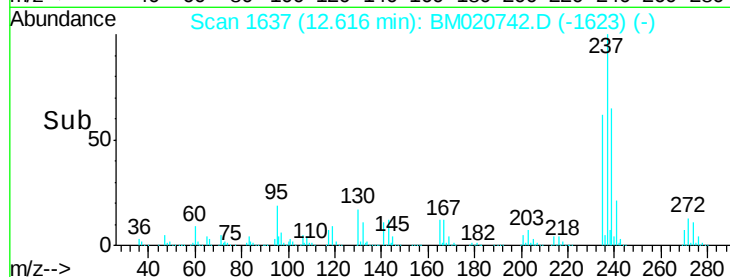
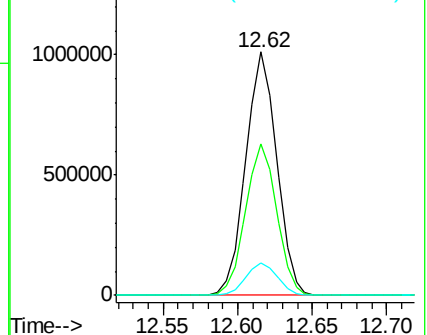
mohammad  
6/6/2019 11:21:55 AM



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



#42

2,4,6-Tribromophenol

Concen: 132.717 ng

RT: 15.95 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

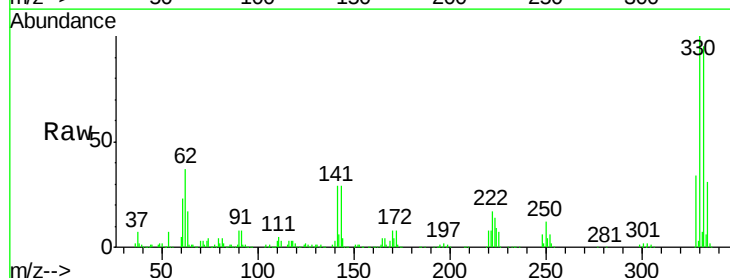
Tgt Ion:330 Resp: 1102718

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

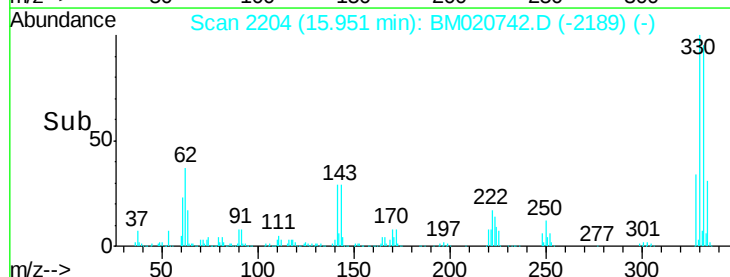
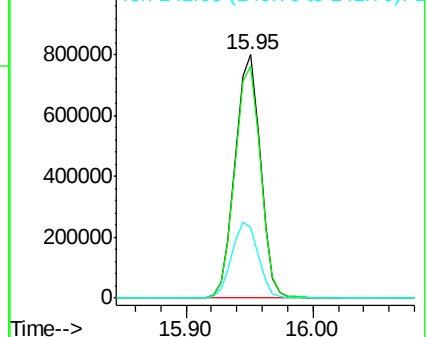
141 32.8 30.4 45.6

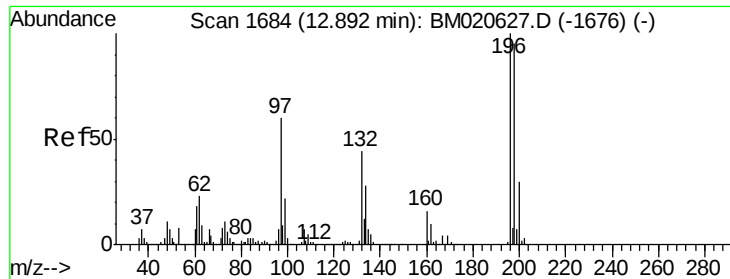


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





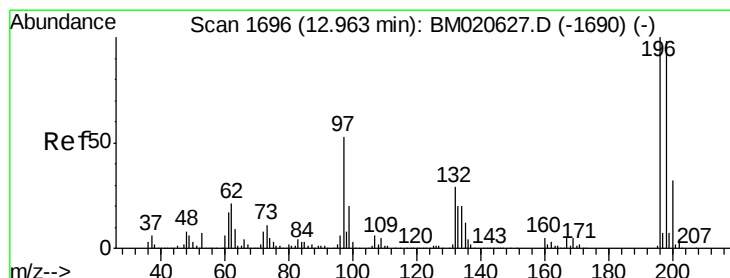
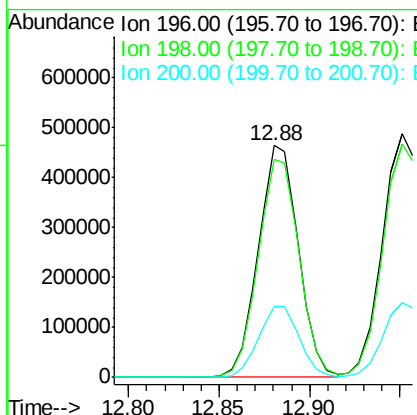
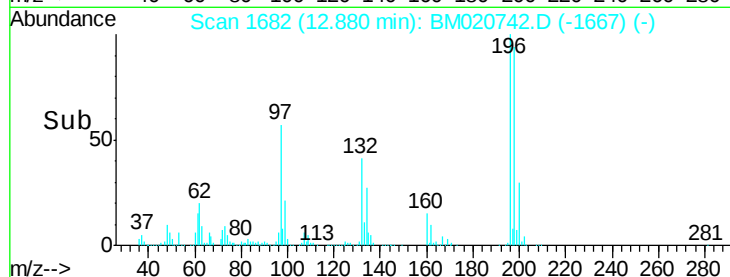
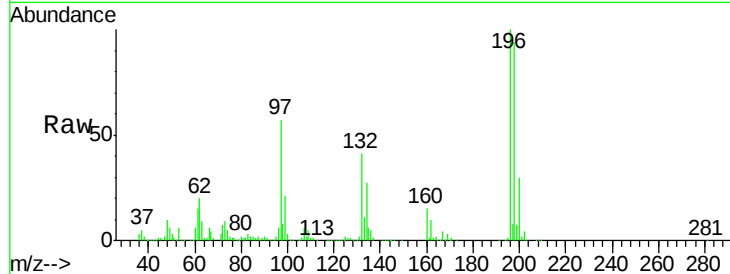
#43  
 2,4,6-Trichlorophenol  
 Concen: 50.445 ng  
 RT: 12.88 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.3  | 75.7  | 113.5 |
| 200     | 30.5  | 23.9  | 35.9  |

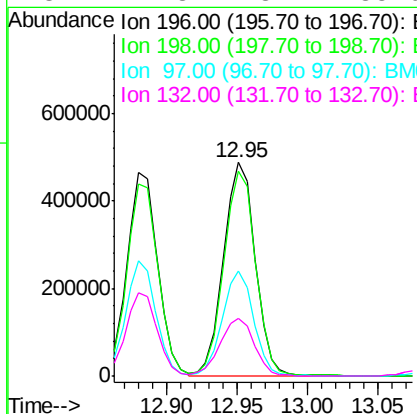
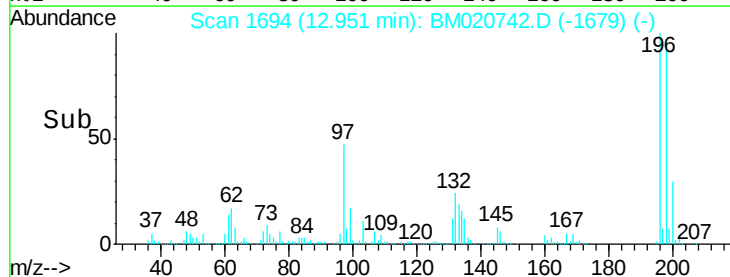
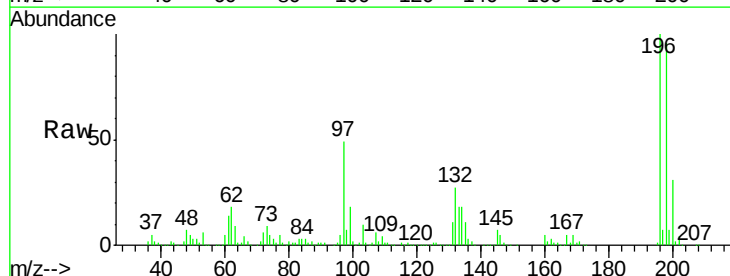
Manual Integrations  
 APPROVED

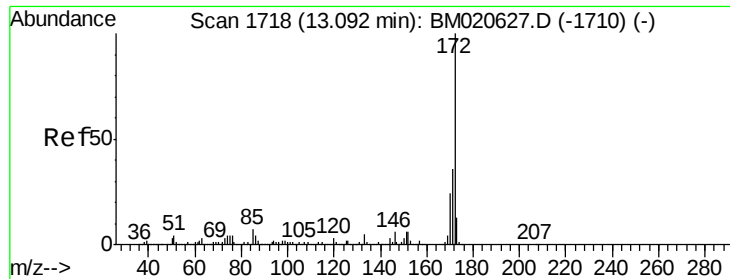
mohammad  
 6/6/2019 11:21:55 AM



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.896 ng  
 RT: 12.95 min Scan# 1694  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 78.6  | 117.8 |
| 97      | 49.4  | 42.7  | 64.1  |
| 132     | 27.3  | 23.4  | 35.0  |





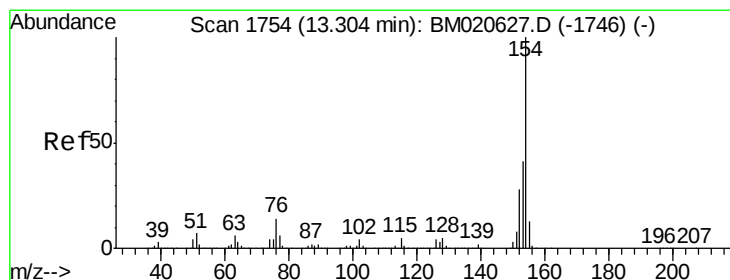
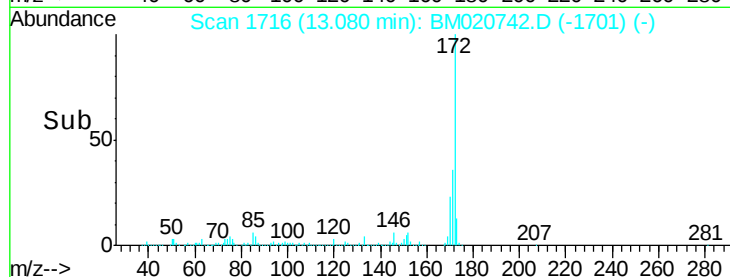
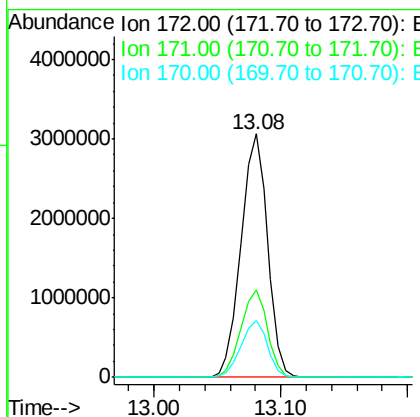
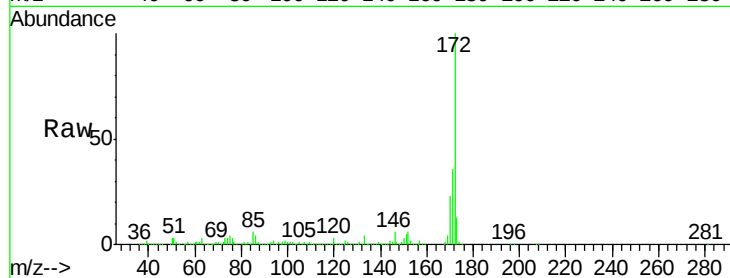
#45  
2-Fluorobiphenyl  
Concen: 88.061 ng  
RT: 13.08 min Scan# 1716  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

Tot Ion:172 Resp: 4442039  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 43.0  
170 23.3 18.9 28.3

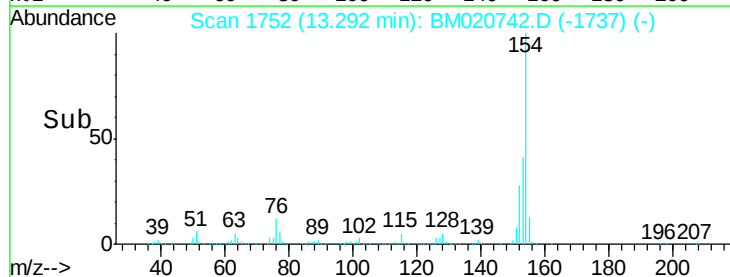
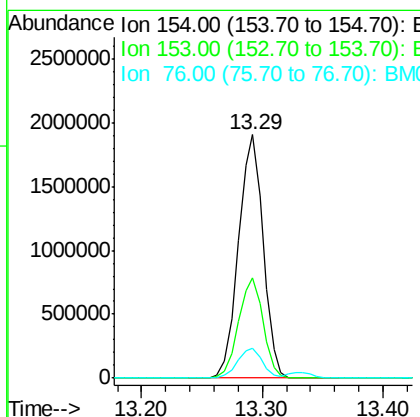
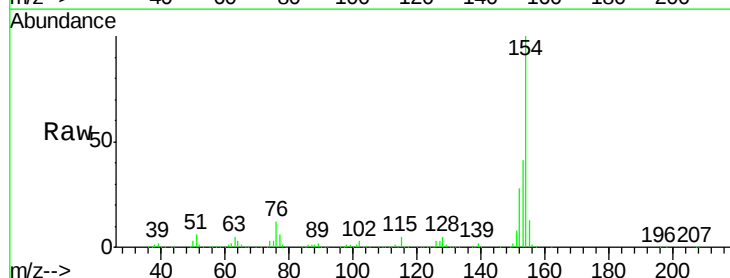
Manual Integrations  
APPROVED

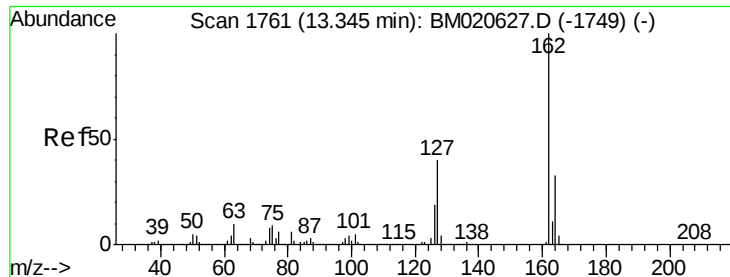
mohammad  
6/6/2019 11:21:55 AM



#46  
1,1'-Biphenyl  
Concen: 48.376 ng  
RT: 13.29 min Scan# 1752  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Tgt Ion:154 Resp: 2709395  
Ion Ratio Lower Upper  
154 100  
153 41.0 20.7 60.7  
76 12.1 0.0 34.0





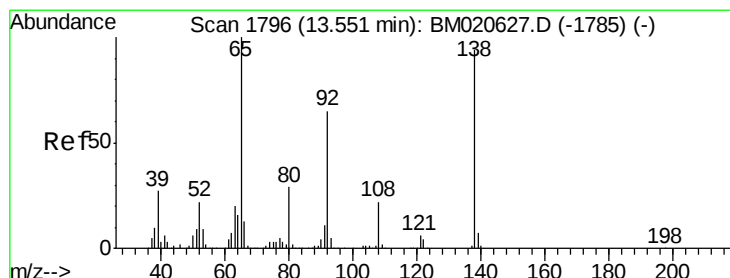
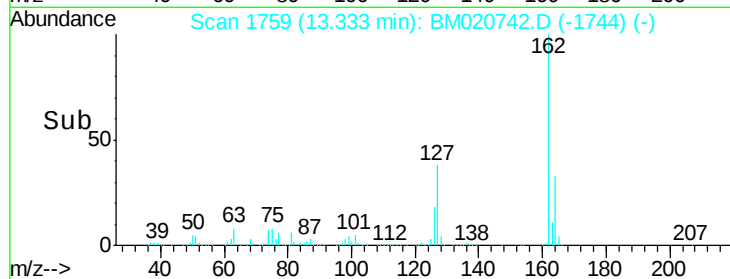
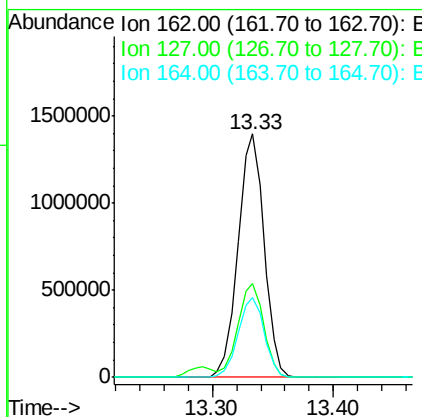
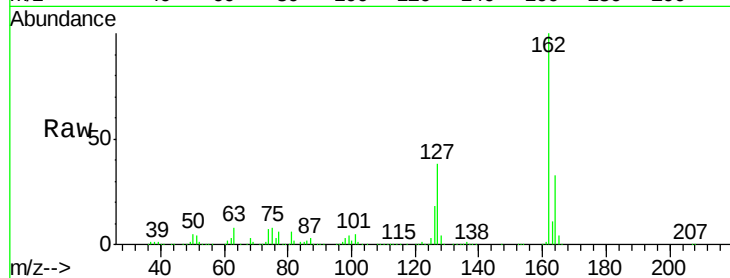
#47  
2-Chloronaphthalene  
Concen: 46.456 ng  
RT: 13.33 min Scan# 1759  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.5  | 32.1  | 48.1  |
| 164     | 33.0  | 26.6  | 39.8  |

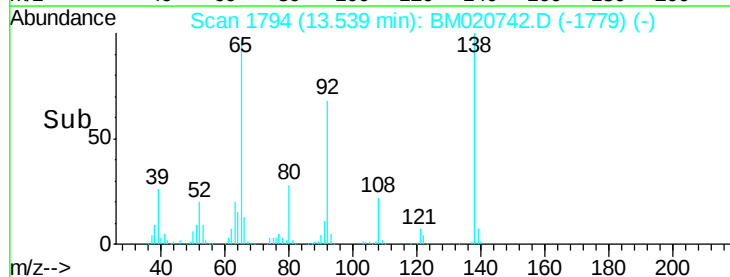
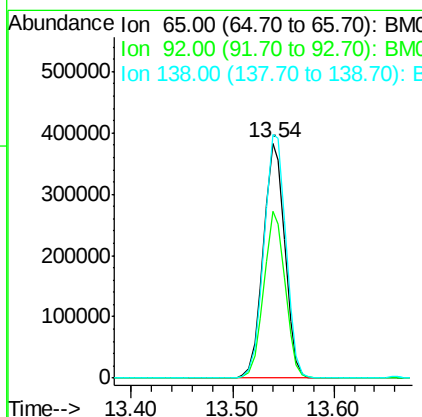
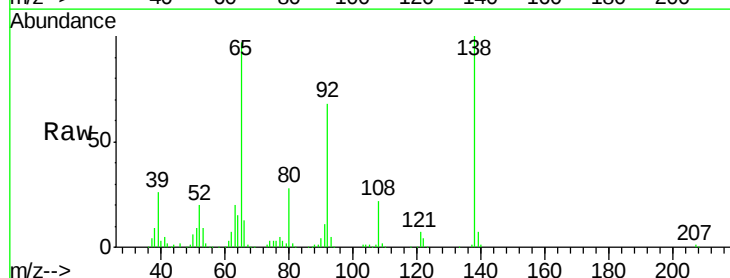
Manual Integrations  
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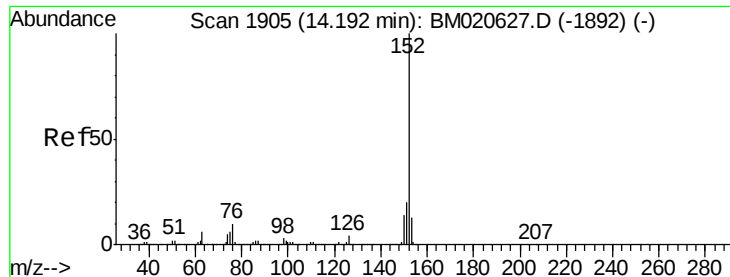
mohammad  
6/6/2019 11:21:55 AM



#48  
2-Nitroaniline  
Concen: 40.057 ng  
RT: 13.54 min Scan# 1794  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.8  | 52.2  | 78.4  |
| 138     | 103.6 | 75.4  | 113.0 |





#49

Acenaphthylene

Concen: 46.153 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

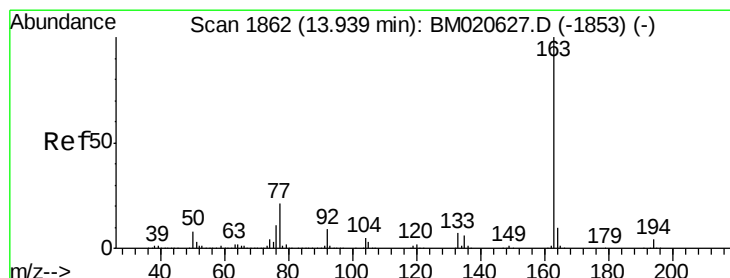
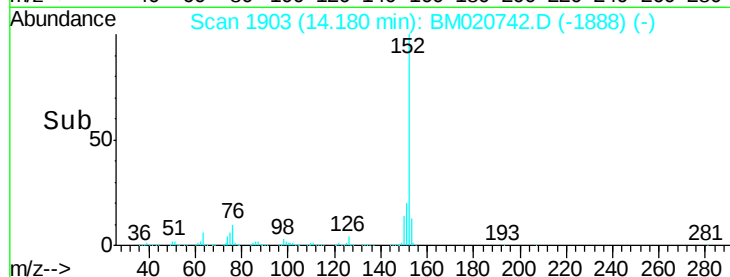
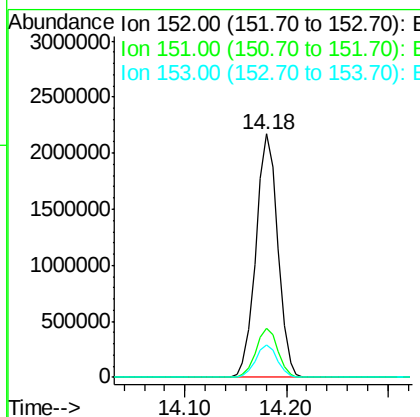
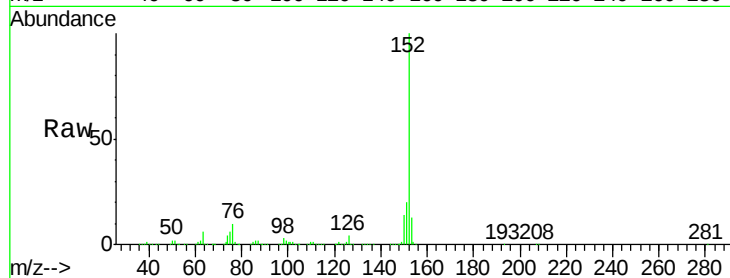
ClientSampleId :

PB120342BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 3255146 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 20.1  | 16.2  | 24.2    |
| 153      | 13.3  | 10.6  | 15.8    |

Manual Integrations  
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#50

Dimethylphthalate

Concen: 42.867 ng

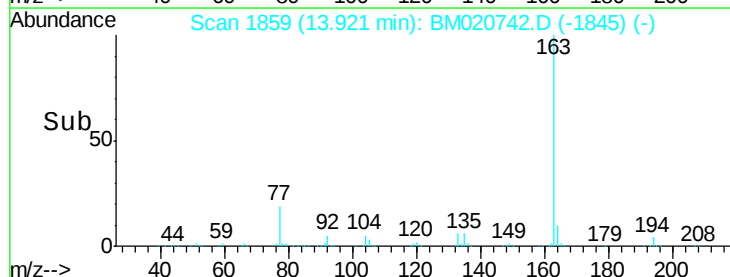
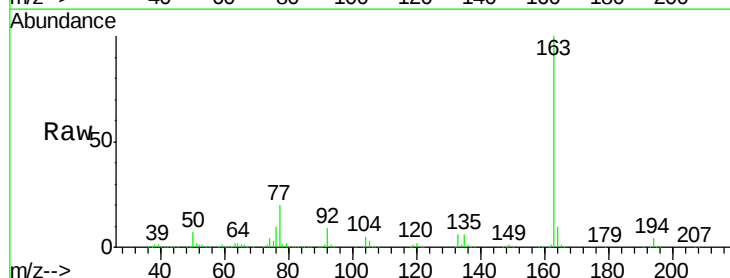
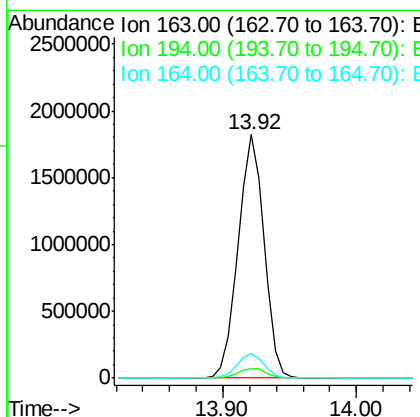
RT: 13.92 min Scan# 1859

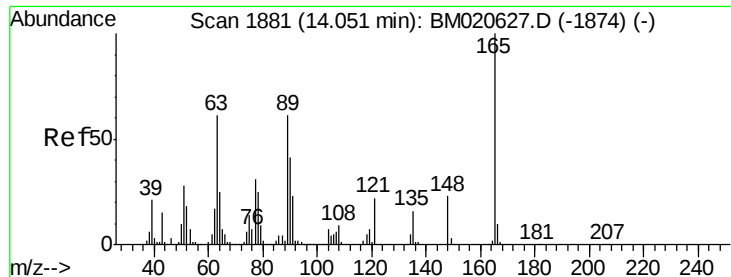
Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 2456003 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.0   | 3.2   | 4.8     |
| 164      | 10.0  | 7.9   | 11.9    |





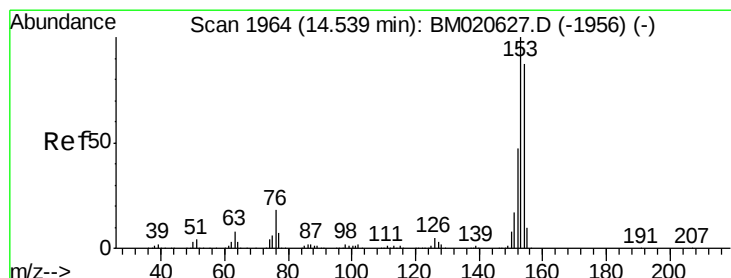
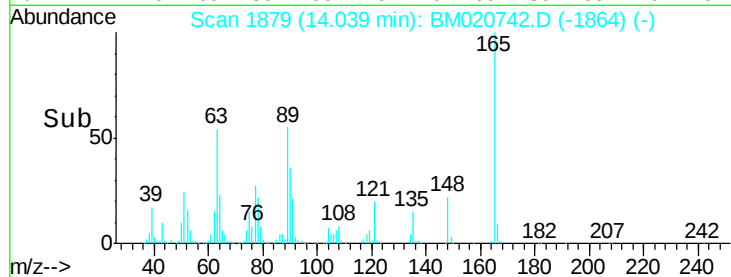
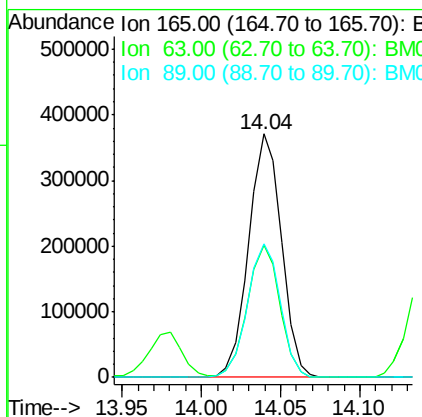
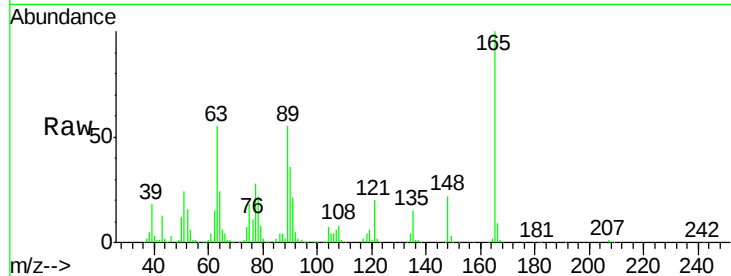
#51  
2,6-Dinitrotoluene  
Concen: 45.728 ng  
RT: 14.04 min Scan# 1879  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleID :  
PB120342BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 531974 |       |       |
| 63      | 54.5  |        | 50.4  | 75.6  |
| 89      | 54.8  |        | 49.1  | 73.7  |

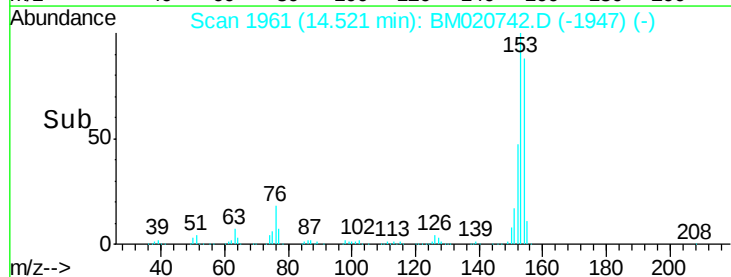
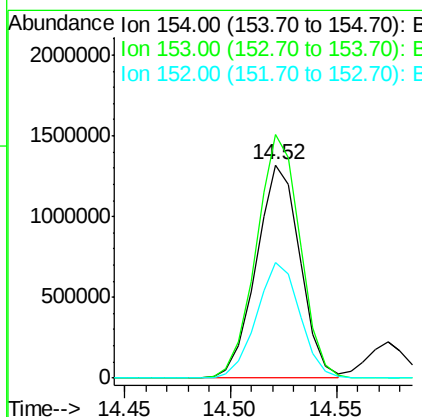
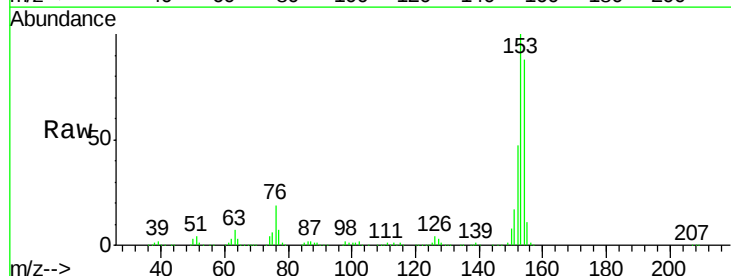
Manual Integrations  
APPROVED

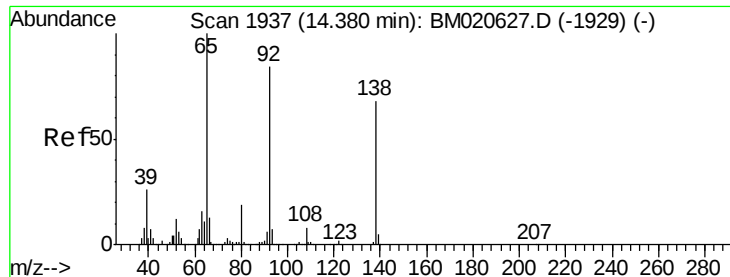
mohammad  
6/6/2019 11:21:55 AM



#52  
Acenaphthene  
Concen: 45.288 ng  
RT: 14.52 min Scan# 1961  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1903512 |       |       |
| 153     | 114.1 |         | 92.4  | 138.6 |
| 152     | 53.9  |         | 43.4  | 65.0  |





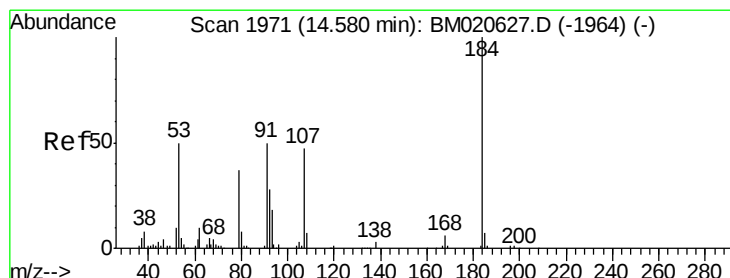
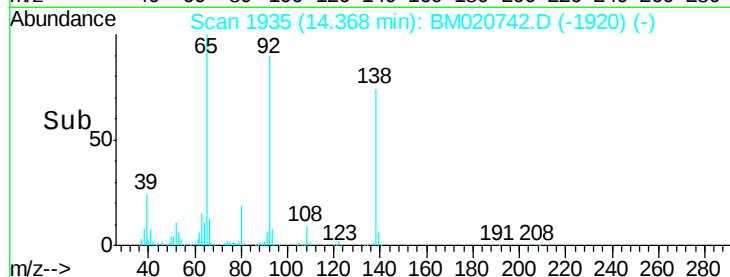
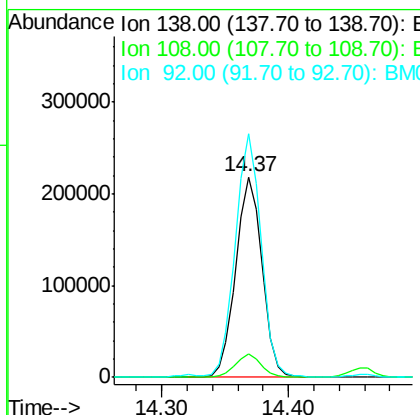
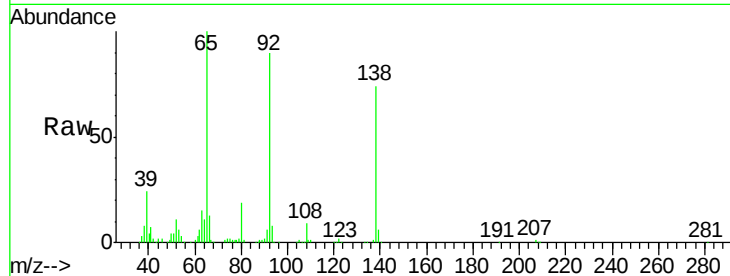
#53  
3-Nitroaniline  
Concen: 24.140 ng  
RT: 14.37 min Scan# 1935  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.7  | 9.5   | 14.3  |
| 92      | 121.7 | 99.6  | 149.4 |

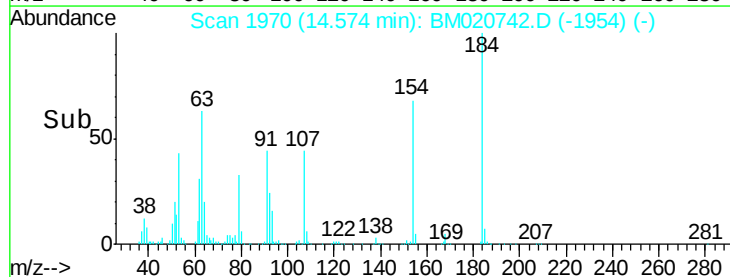
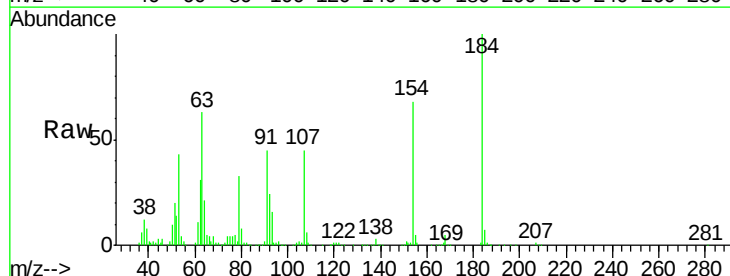
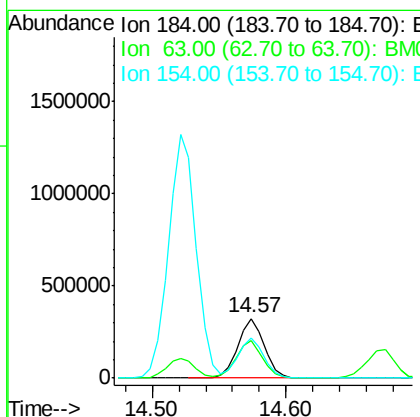
Manual Integrations  
APPROVED

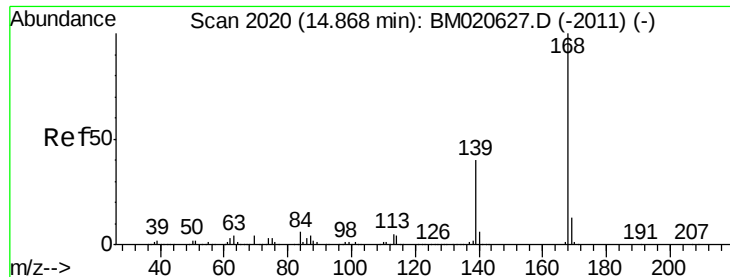
mohammad  
6/6/2019 11:21:55 AM



#54  
2,4-Dinitrophenol  
Concen: 87.324 ng  
RT: 14.57 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 63.0  | 59.3  | 88.9  |
| 154     | 68.3  | 56.5  | 84.7  |





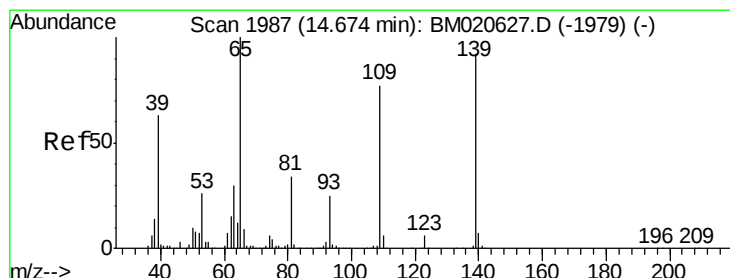
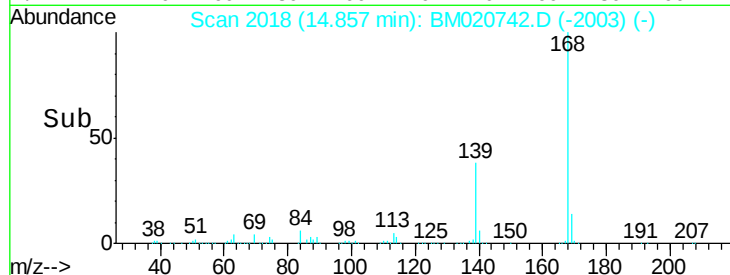
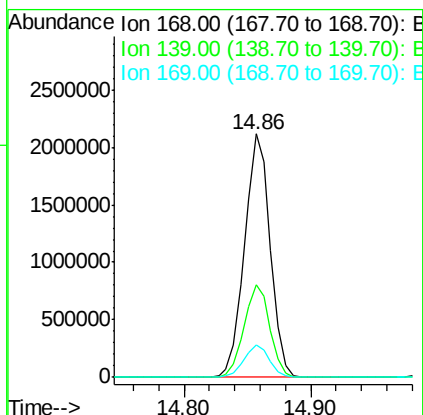
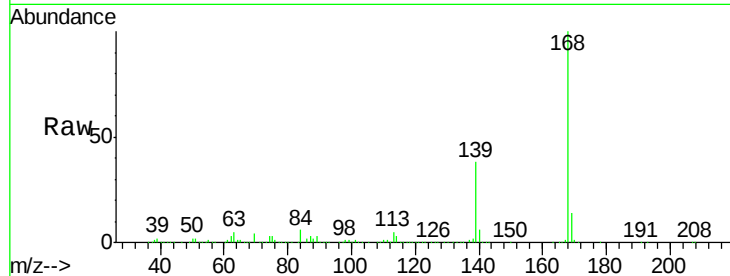
#55  
Dibenzofuran  
Concen: 45.368 ng  
RT: 14.86 min Scan# 2018  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.0  | 31.9  | 47.9  |
| 169     | 13.5  | 10.7  | 16.1  |

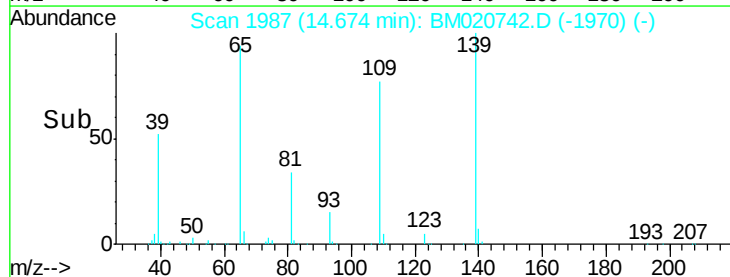
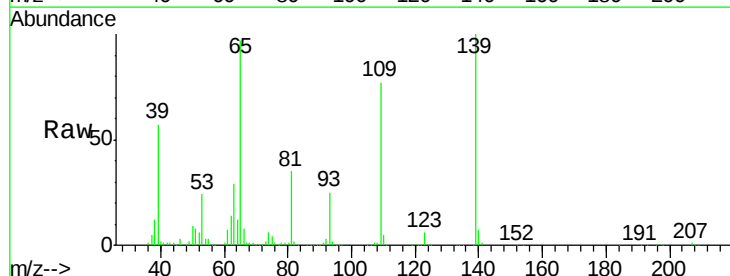
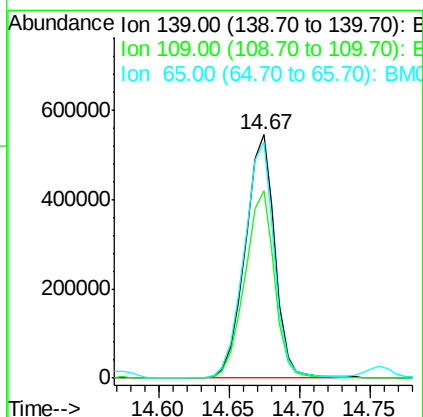
Manual Integrations  
APPROVED

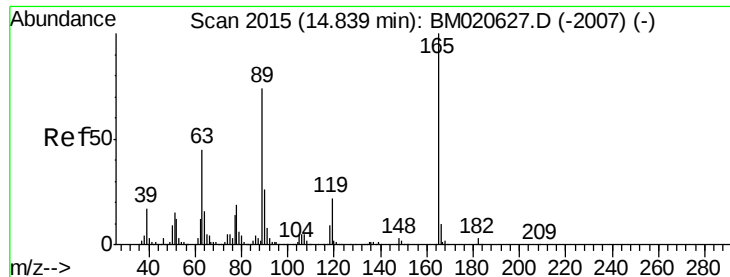
mohammad  
6/6/2019 11:21:55 AM



#56  
4-Nitrophenol  
Concen: 83.827 ng  
RT: 14.67 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 76.8  | 62.7  | 102.7 |
| 65      | 96.9  | 88.3  | 128.3 |





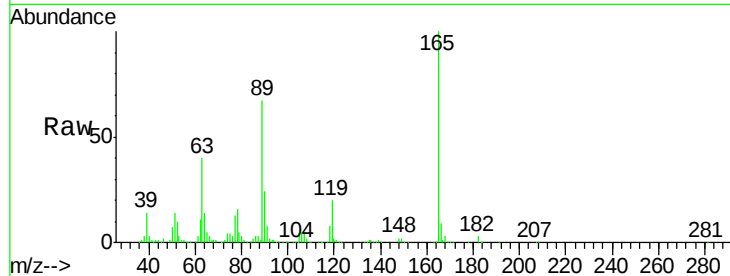
#57  
2,4-Dinitrotoluene  
Concen: 44.032 ng  
RT: 14.83 min Scan# 2013  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 685873 |       |       |
| 63      | 40.2  |        | 36.3  | 54.5  |
| 89      | 67.1  |        | 59.0  | 88.6  |
| 182     | 2.9   |        | 2.2   | 3.4   |

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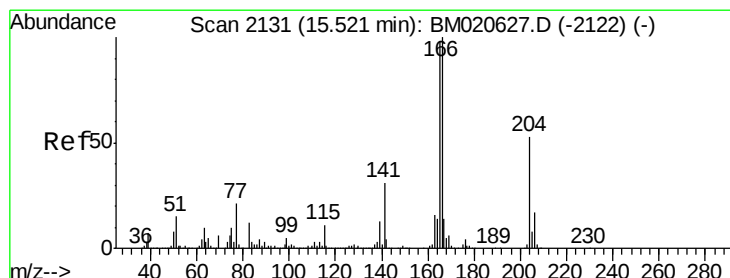
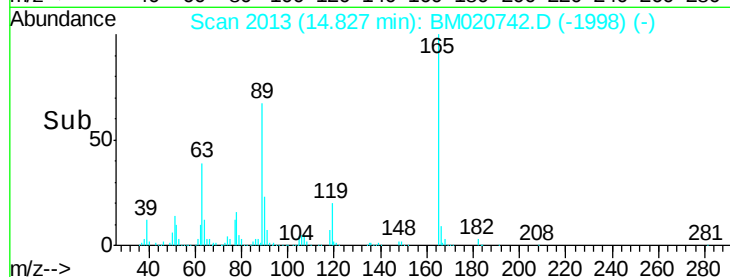
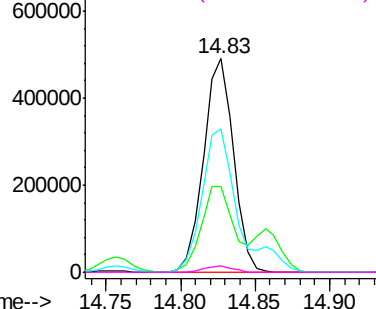


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM020627.D (-2007) (-)

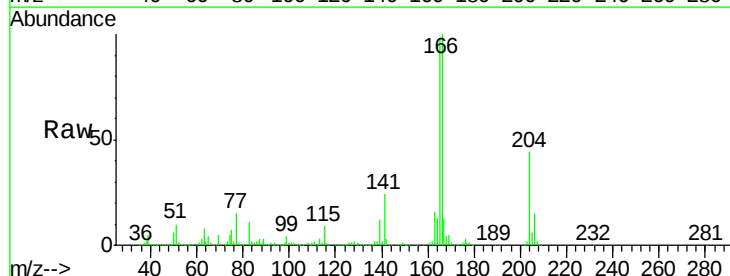
Ion 89.00 (88.70 to 89.70): BM020627.D (-2007) (-)

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 43.262 ng  
RT: 15.51 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

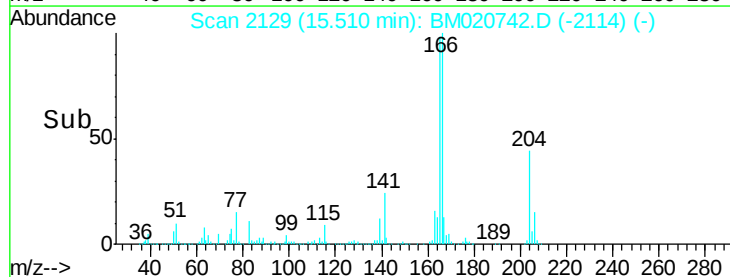
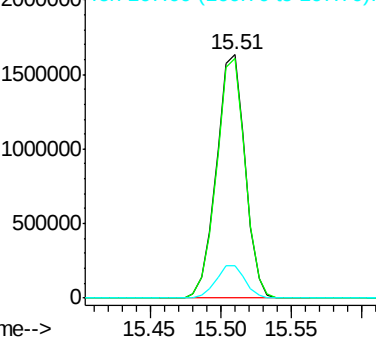
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 2322450 |       |       |
| 165     | 98.2  |         | 78.6  | 117.8 |
| 167     | 13.4  |         | 11.0  | 16.4  |

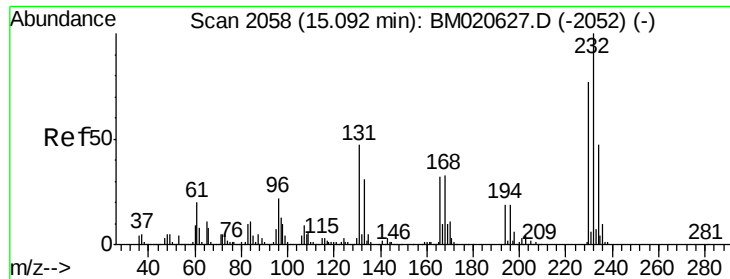


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





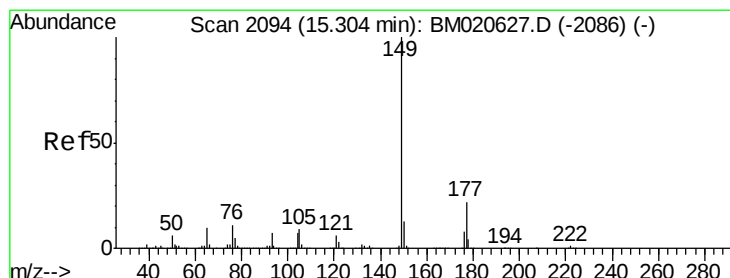
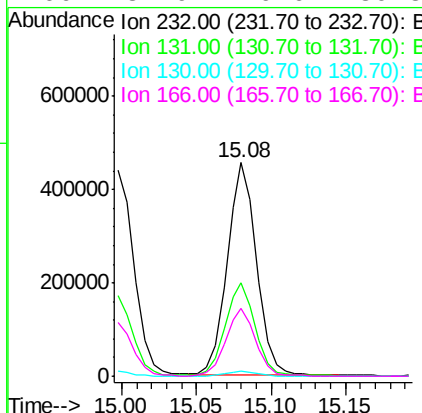
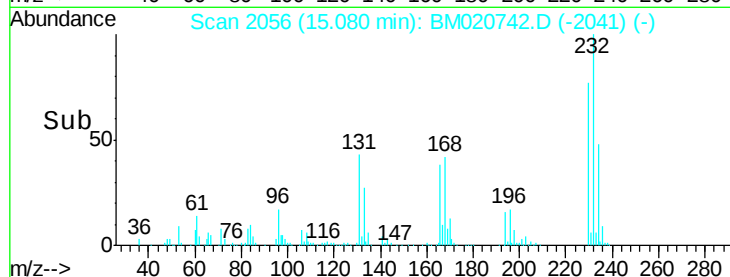
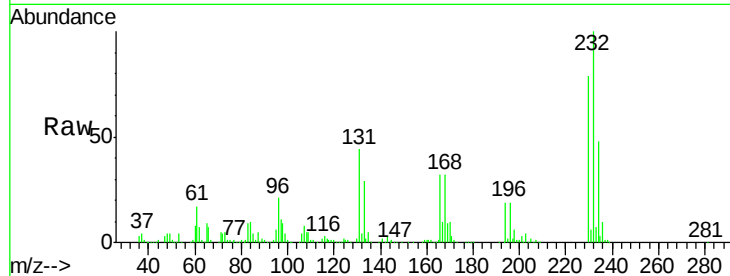
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.136 ng  
 RT: 15.08 min Scan# 2056  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.3  | 38.6  | 57.8  |
| 130     | 2.4   | 2.2   | 3.2   |
| 166     | 31.9  | 26.6  | 39.8  |

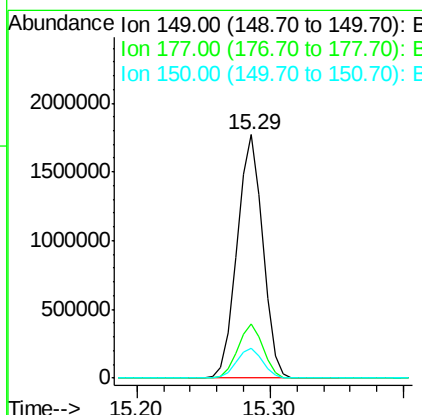
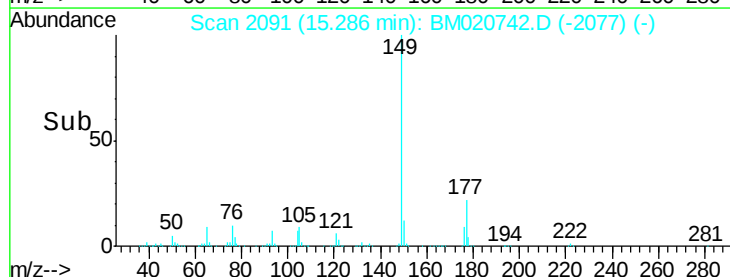
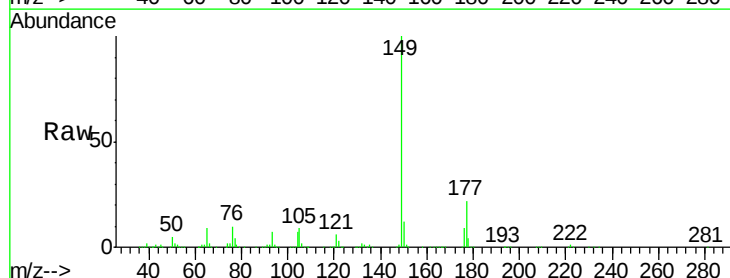
Manual Integrations  
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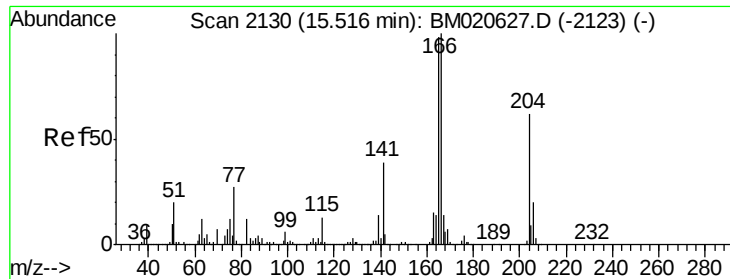
mohammad  
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#60  
 Diethylphthalate  
 Concen: 39.887 ng  
 RT: 15.29 min Scan# 2091  
 Delta R.T. -0.02 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.3  | 17.2  | 25.8  |
| 150     | 12.4  | 10.1  | 15.1  |





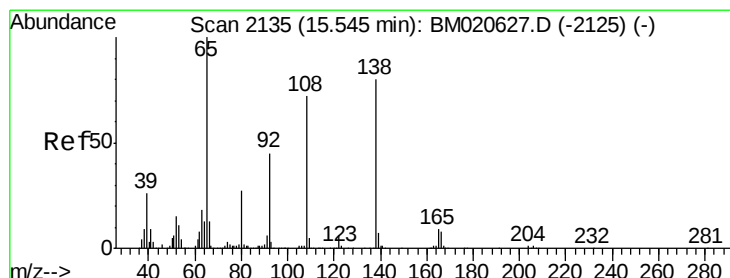
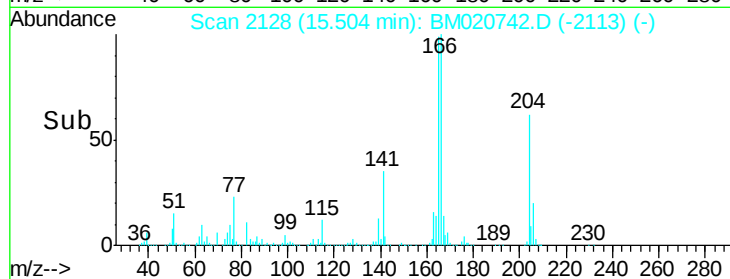
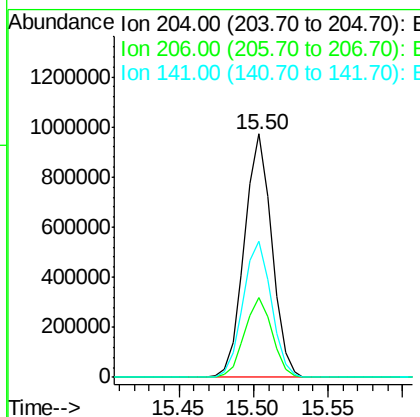
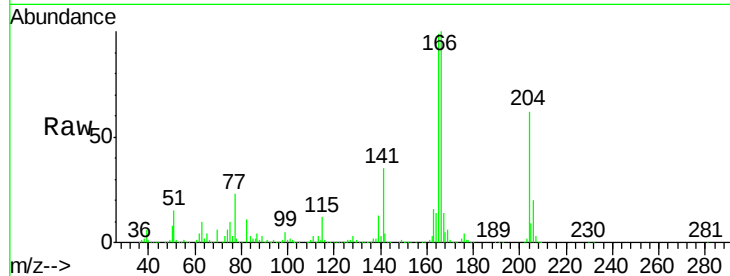
#61  
 4-Chlorophenyl-phenylether  
 Concen: 43.457 ng  
 RT: 15.50 min Scan# 2128  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120342BS

Tot Ion:204 Resp: 1235240  
 Ion Ratio Lower Upper  
 204 100  
 206 32.7 25.8 38.8  
 141 56.1 50.2 75.4

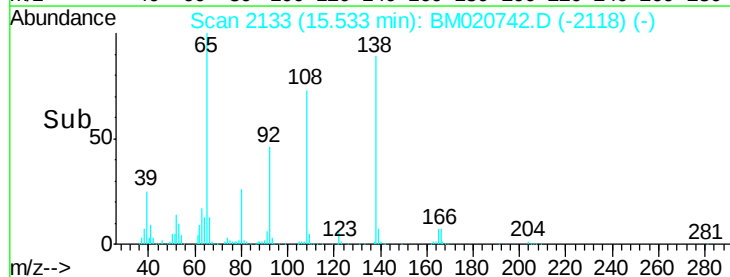
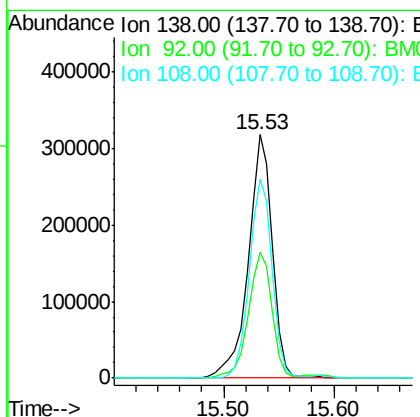
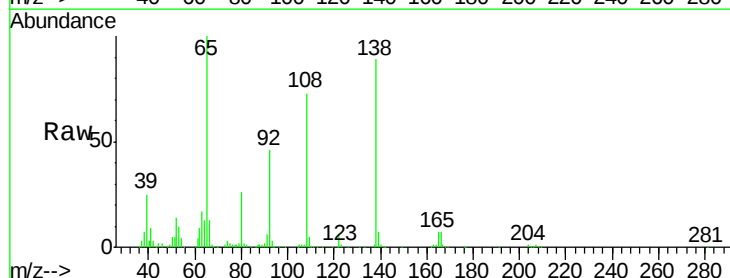
Manual Integrations  
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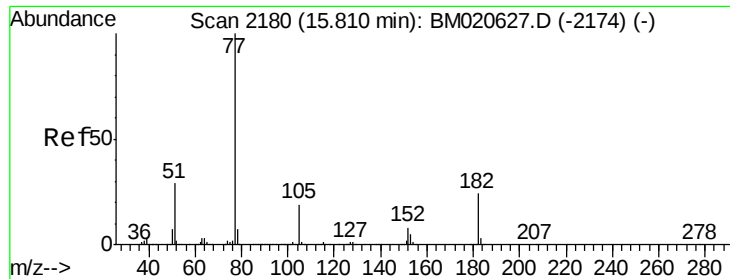
mohammad  
 6/6/2019 11:21:55 AM



#62  
 4-Nitroaniline  
 Concen: 35.255 ng  
 RT: 15.53 min Scan# 2133  
 Delta R.T. -0.01 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Tgt Ion:138 Resp: 485504  
 Ion Ratio Lower Upper  
 138 100  
 92 51.8 36.7 76.7  
 108 81.7 70.3 110.3





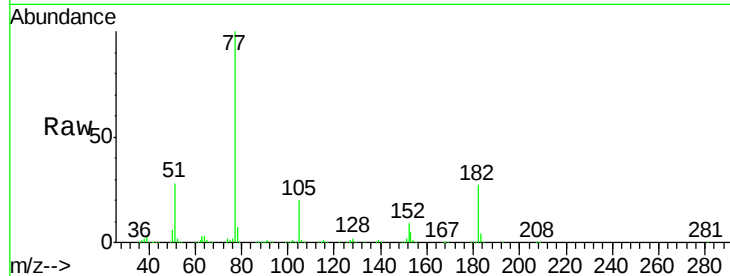
#63  
Azobenzene  
Concen: 39.168 ng  
RT: 15.80 min Scan# 2178  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 77      | 77  | 100   |       |       |
| 182     | 182 | 27.2  | 3.6   | 43.6  |
| 105     | 105 | 20.3  | 0.0   | 39.4  |
| 51      | 51  | 27.7  | 9.5   | 49.5  |

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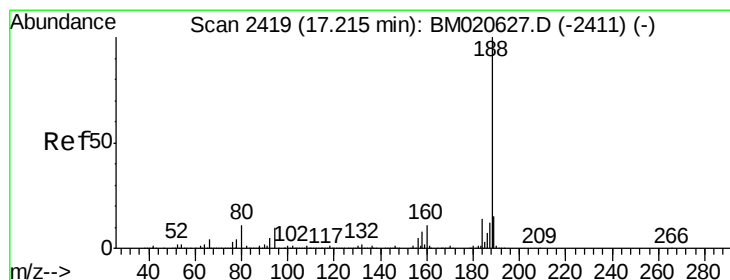
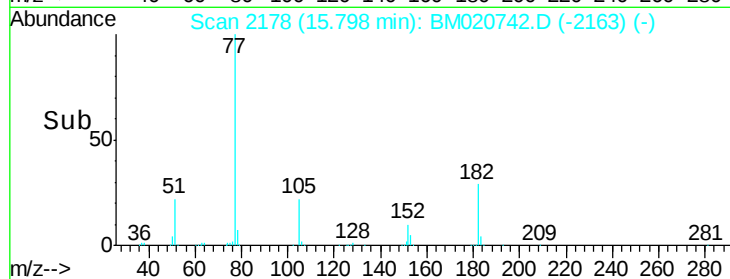
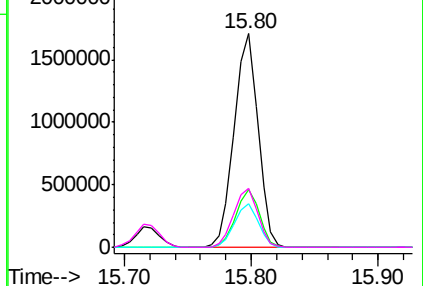
Abundance

Ion 77.00 (76.70 to 77.70): BM020742.D (-2163) (-)

Ion 182.00 (181.70 to 182.70): BM020742.D (-2163) (-)

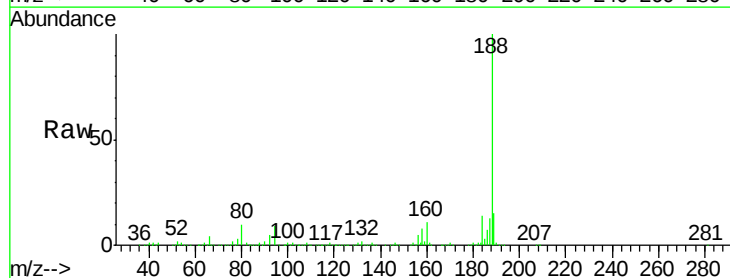
Ion 105.00 (104.70 to 105.70): BM020742.D (-2163) (-)

Ion 51.00 (50.70 to 51.70): BM020742.D (-2163) (-)



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.20 min Scan# 2417  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 188 | 100   |       |       |
| 94      | 94  | 8.6   | 7.8   | 11.8  |
| 80      | 80  | 9.8   | 9.0   | 13.6  |

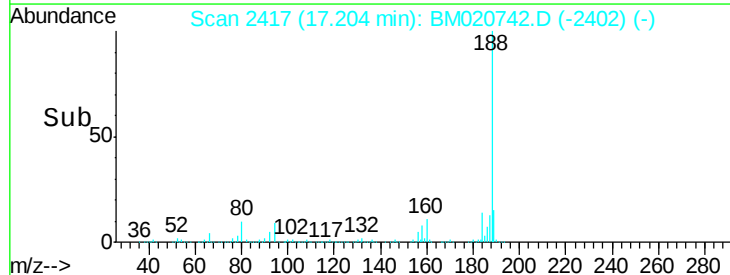
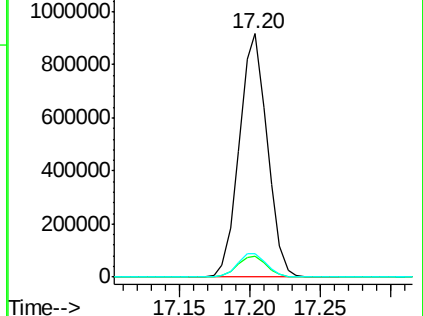


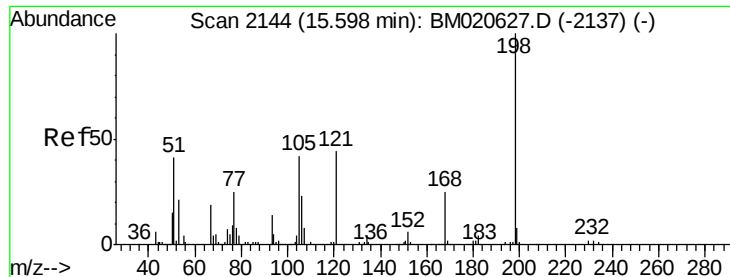
Abundance

Ion 188.00 (187.70 to 188.70): BM020742.D (-2402) (-)

Ion 94.00 (93.70 to 94.70): BM020742.D (-2402) (-)

Ion 80.00 (79.70 to 80.70): BM020742.D (-2402) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 47.448 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:198 Resp: 272872

Ion Ratio Lower Upper

198 100

51 40.0 27.7 67.7

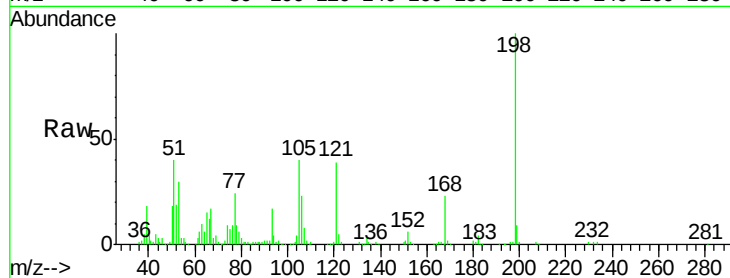
105 40.1 23.8 63.8

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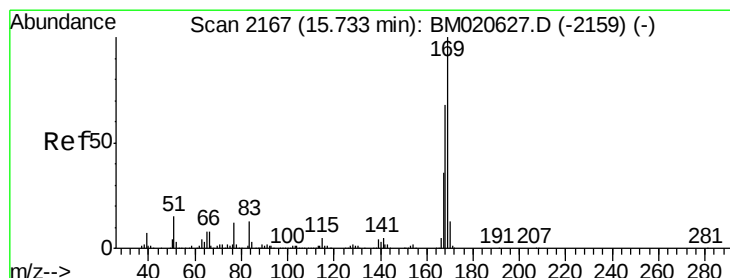
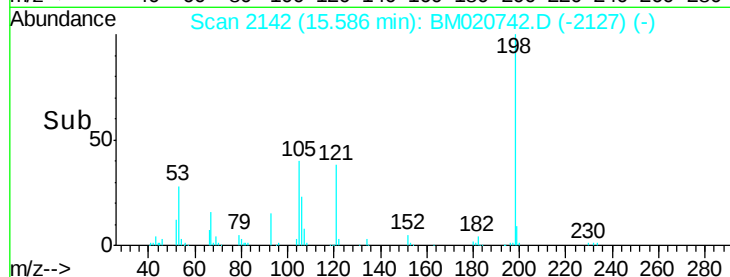
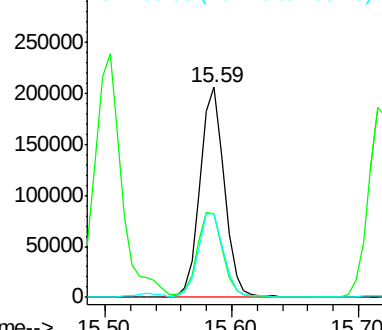
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.736 ng

RT: 15.72 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

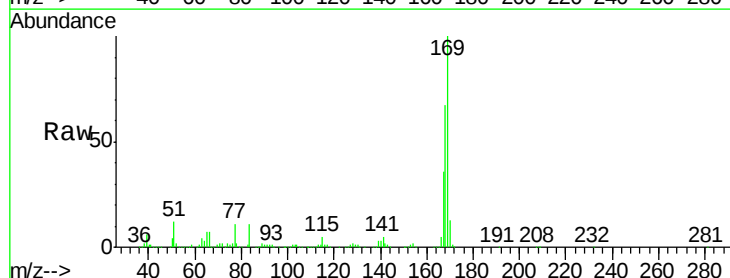
Tgt Ion:169 Resp: 1977175

Ion Ratio Lower Upper

169 100

168 67.2 54.2 81.4

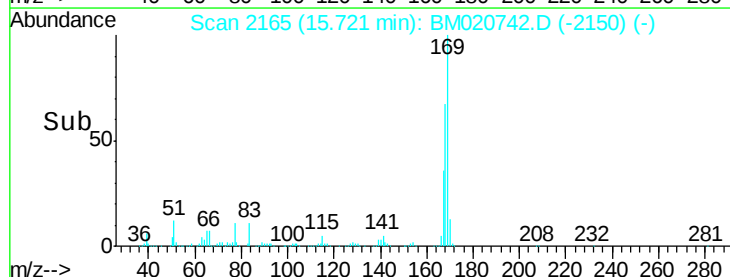
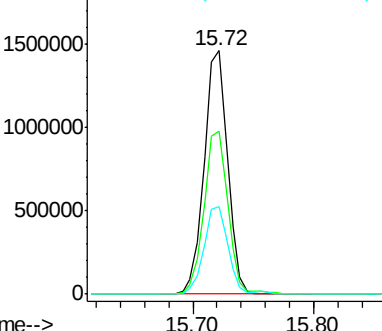
167 36.2 29.1 43.7

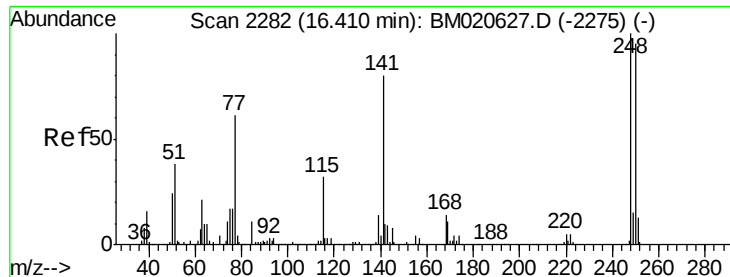


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





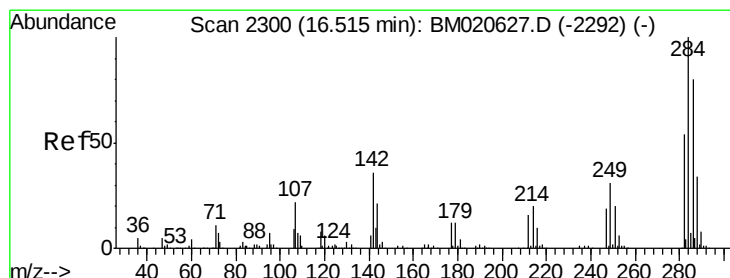
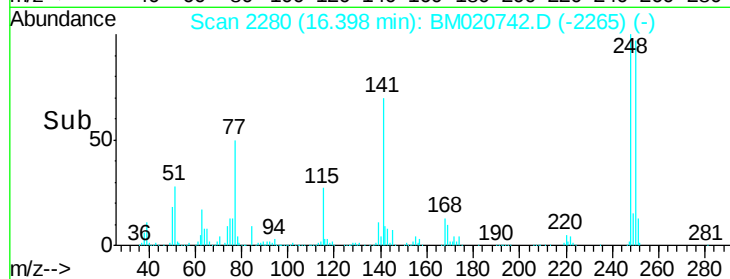
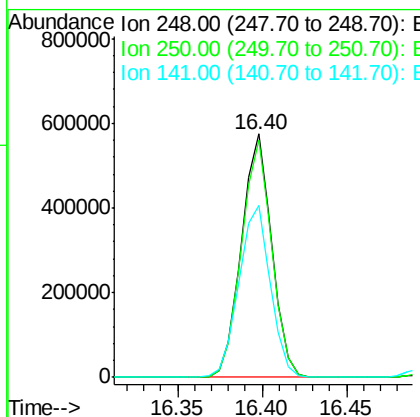
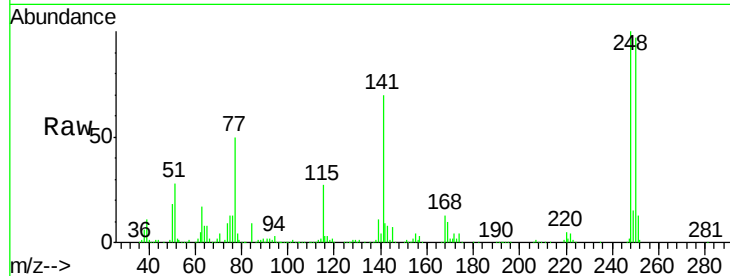
#67  
4-Bromophenyl-phenylether  
Concen: 48.072 ng  
RT: 16.40 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.4  | 76.3  | 114.5 |
| 141     | 70.4  | 64.2  | 96.2  |

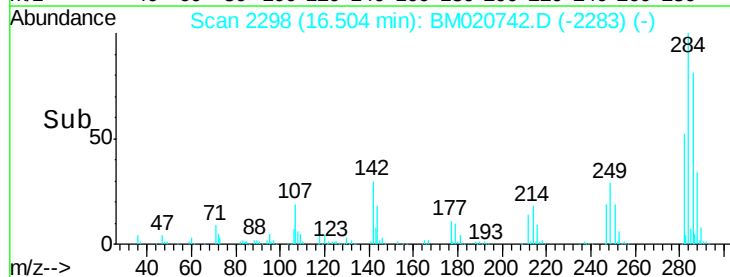
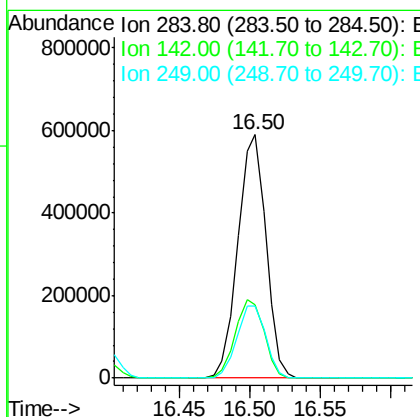
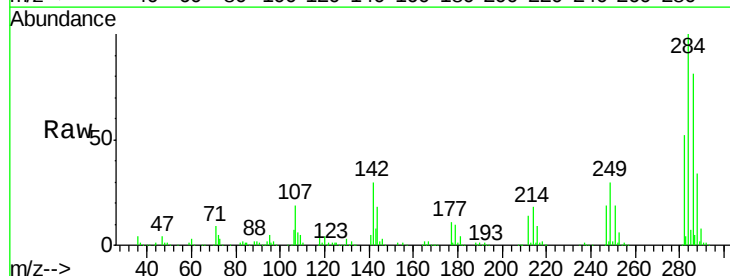
Manual Integrations  
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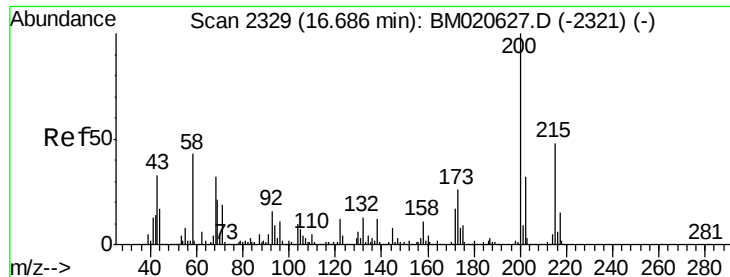
mohammad  
6/6/2019 11:21:55 AM



#68  
Hexachlorobenzene  
Concen: 47.140 ng  
RT: 16.50 min Scan# 2298  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.2  | 28.6  | 42.8  |
| 249     | 29.9  | 25.0  | 37.4  |





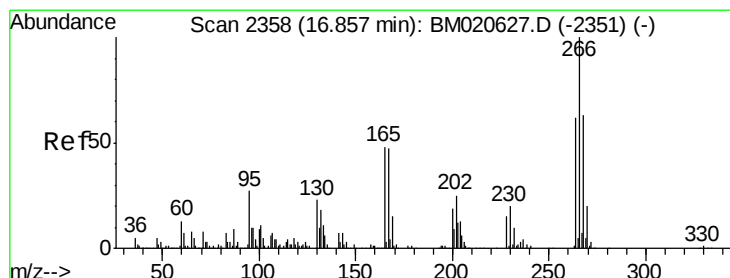
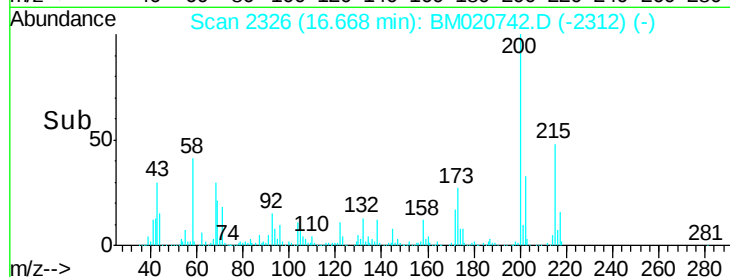
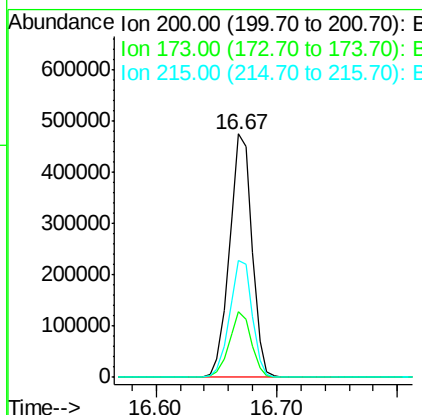
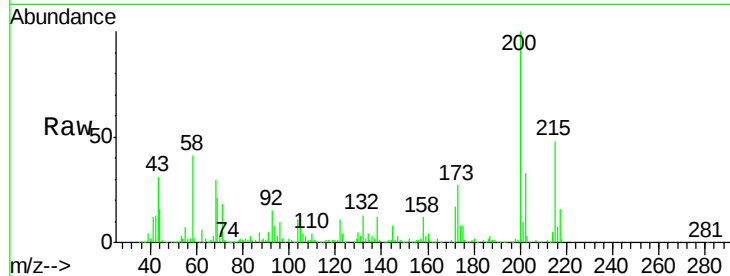
#69  
Atrazine  
Concen: 50.853 ng  
RT: 16.67 min Scan# 2326  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.7  | 6.2   | 46.2  |
| 215     | 48.2  | 27.7  | 67.7  |

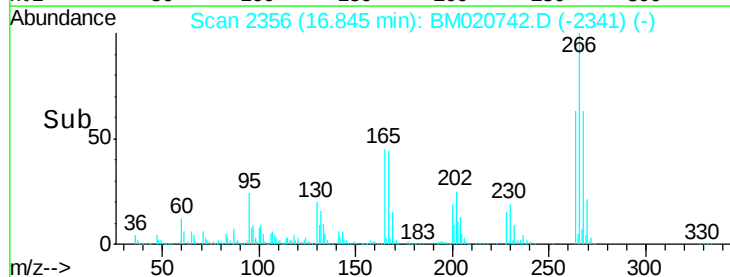
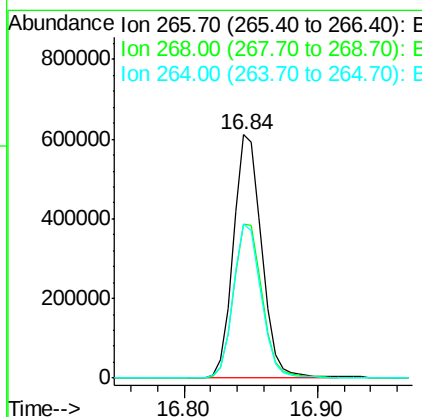
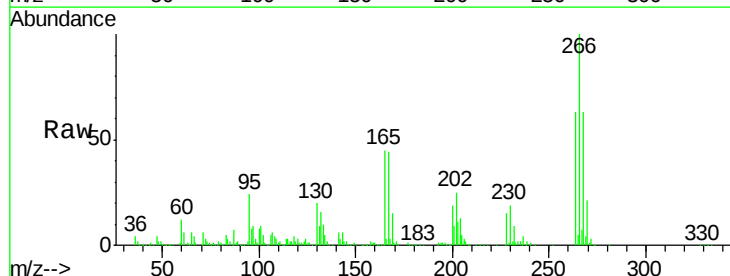
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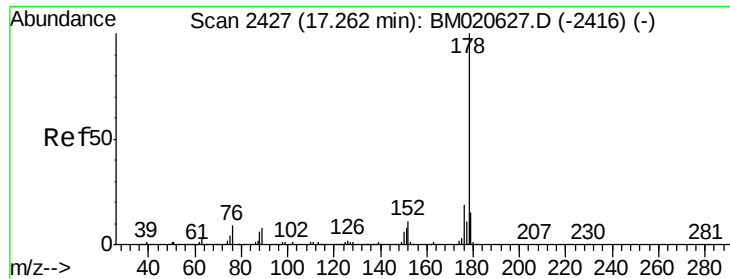
mohammad  
6/6/2019 11:21:55 AM



#70  
Pentachlorophenol  
Concen: 108.879 ng  
RT: 16.84 min Scan# 2356  
Delta R.T. -0.01 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.1  | 50.6  | 75.8  |
| 264     | 63.3  | 49.6  | 74.4  |





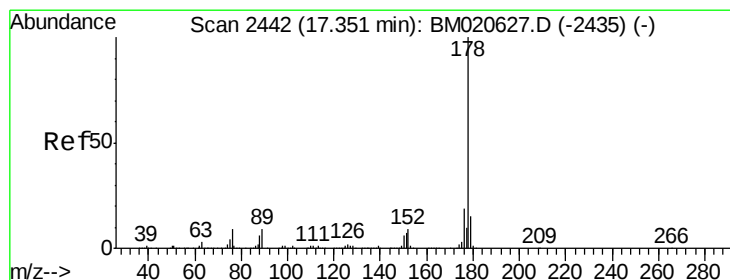
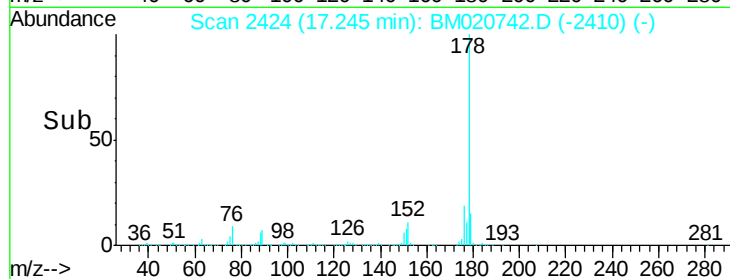
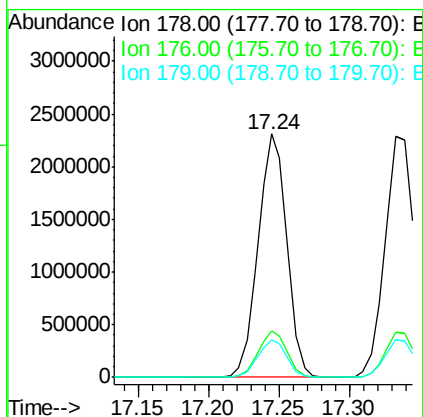
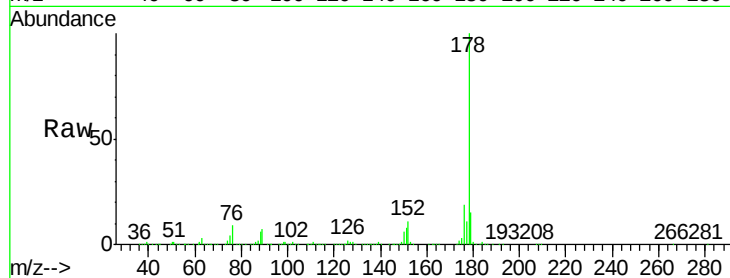
#71  
Phenanthrene  
Concen: 45.917 ng  
RT: 17.24 min Scan# 2424  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 15.5  | 23.3  |
| 179     | 15.2  | 12.2  | 18.4  |

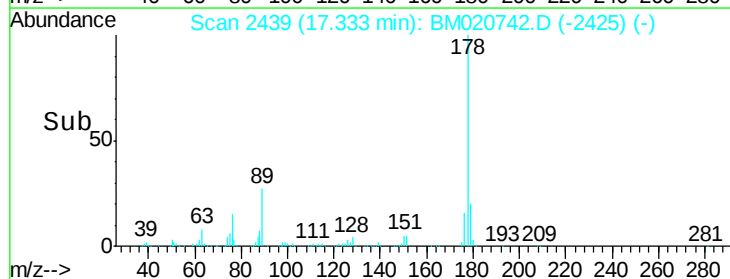
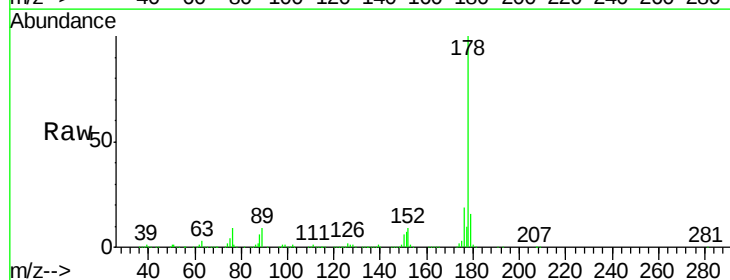
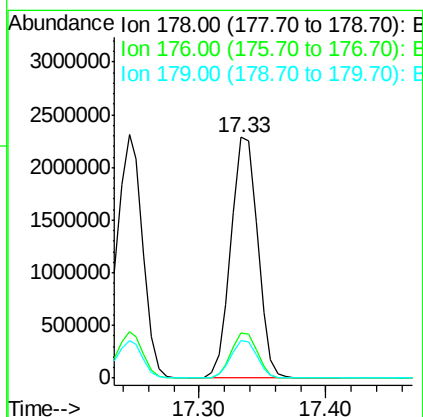
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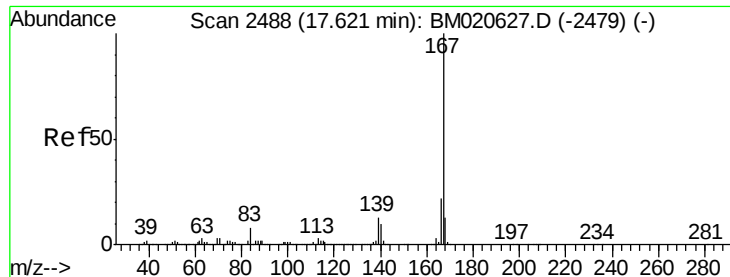
mohammad  
6/6/2019 11:21:55 AM



#72  
Anthracene  
Concen: 46.242 ng  
RT: 17.33 min Scan# 2439  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.5  | 15.1  | 22.7  |
| 179     | 15.6  | 12.3  | 18.5  |





#73

Carbazole

Concen: 43.293 ng

RT: 17.61 min Scan# 2486

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:167 Resp: 2824626

Ion Ratio Lower Upper

167 100

166 21.5 17.5 26.3

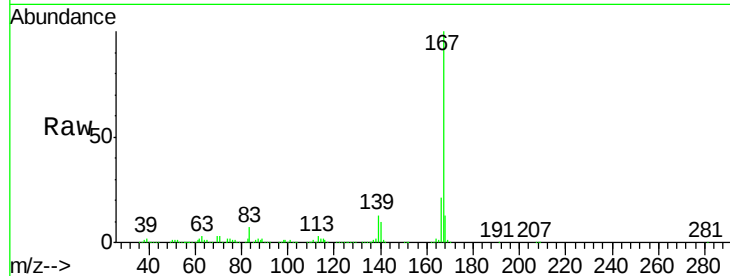
139 12.8 10.6 15.8

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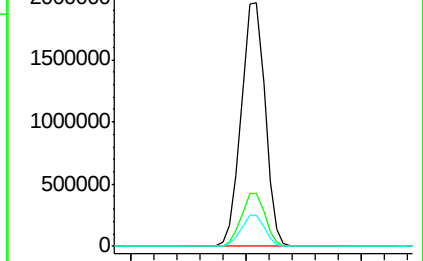
6/6/2019 11:21:55 AM



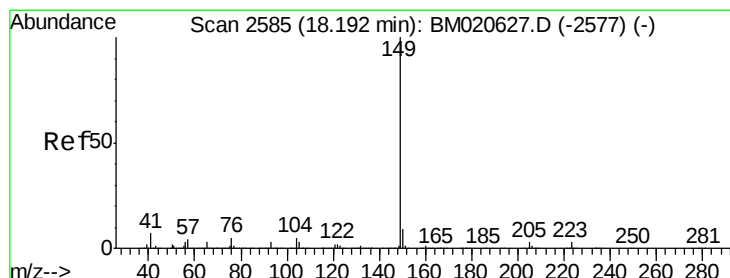
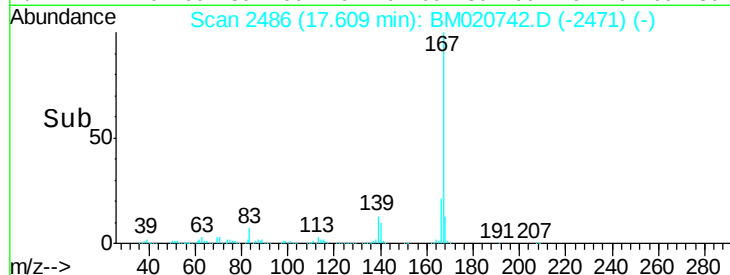
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 40.628 ng

RT: 18.17 min Scan# 2581

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

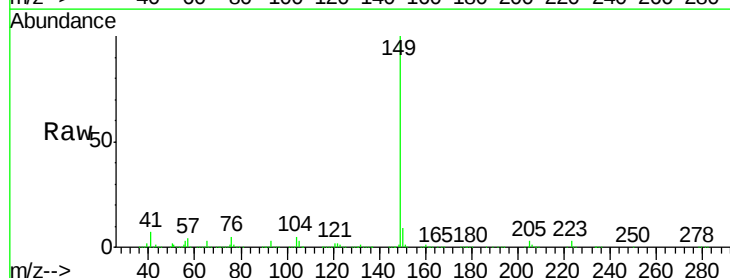
Tgt Ion:149 Resp: 3441005

Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

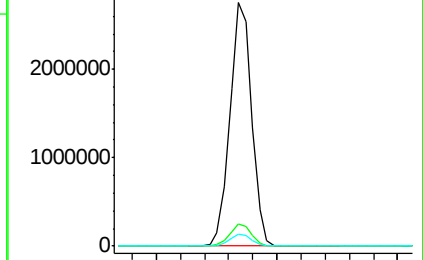
104 5.0 4.2 6.2



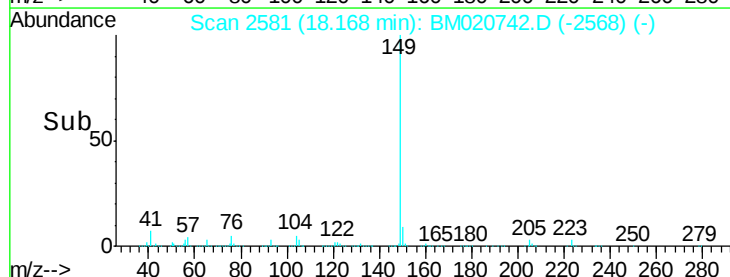
Abundance Ion 149.00 (148.70 to 149.70): E

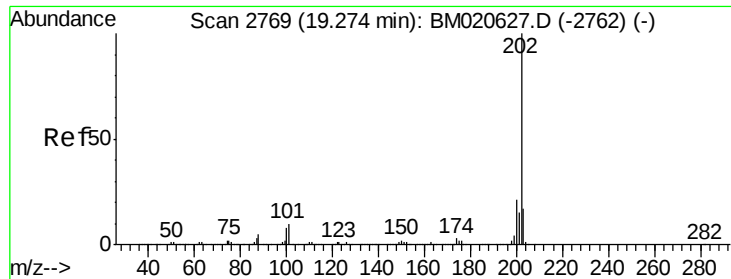
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 42.181 ng

RT: 19.26 min Scan# 2766

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

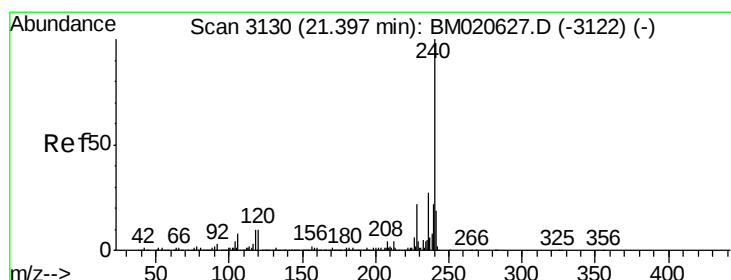
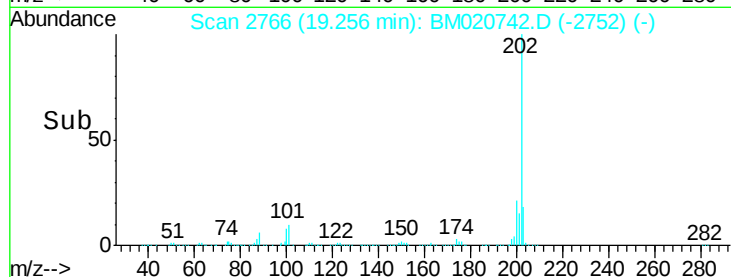
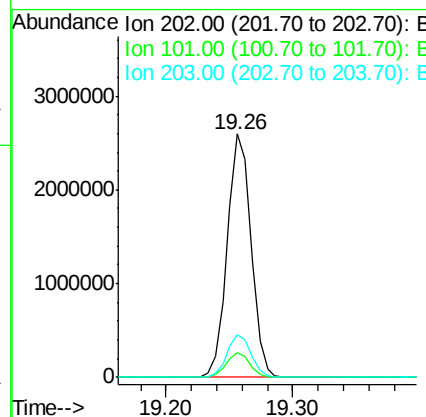
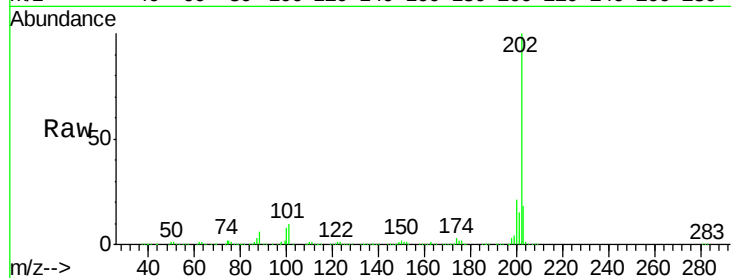
ClientSampleId :

PB120342BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 3369635 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 10.4  | 0.0   | 30.4    |
| 203      | 17.5  | 0.0   | 37.3    |

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#76

Chrysene-d12

Concen: 20.000 ng

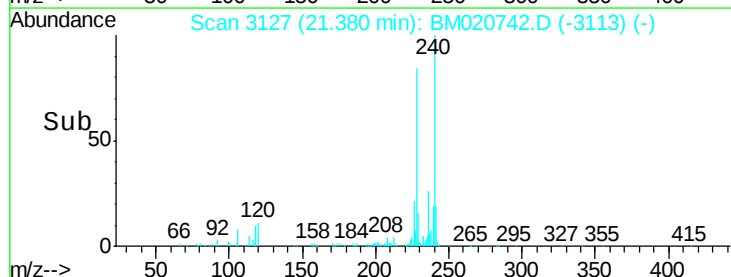
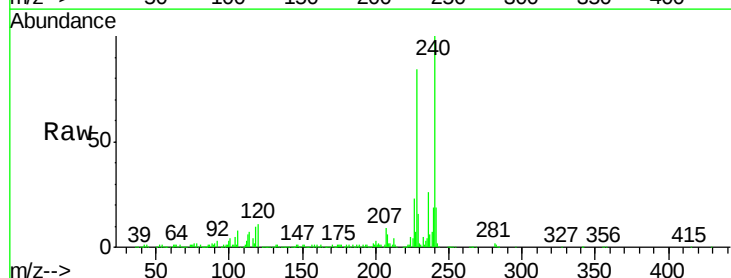
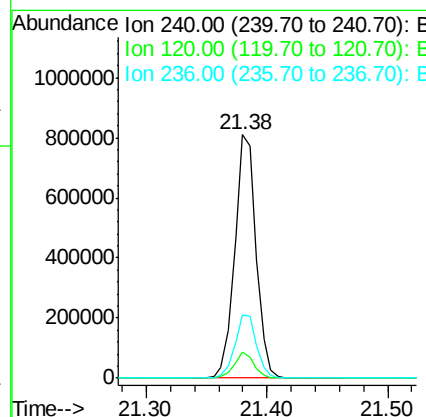
RT: 21.38 min Scan# 3127

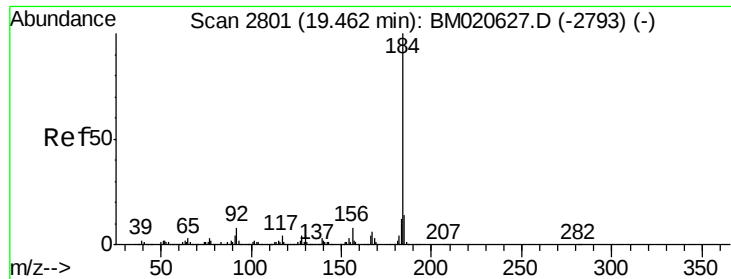
Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 994666 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.8  | 8.2   | 12.2   |
| 236      | 26.1  | 21.2  | 31.8   |





#77

Benzidine

Concen: 44.517 ng

RT: 19.45 min Scan# 2799

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:184 Resp: 1341715

Ion Ratio Lower Upper

184 100

185 14.5 11.3 16.9

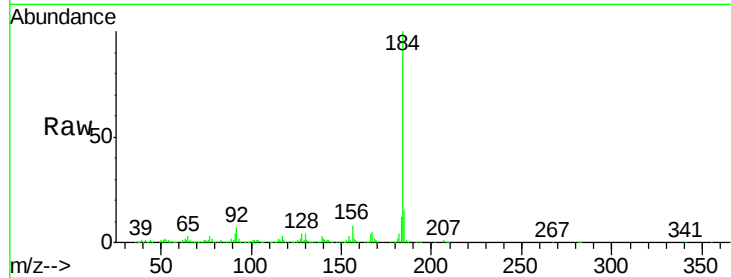
183 11.9 9.8 14.6

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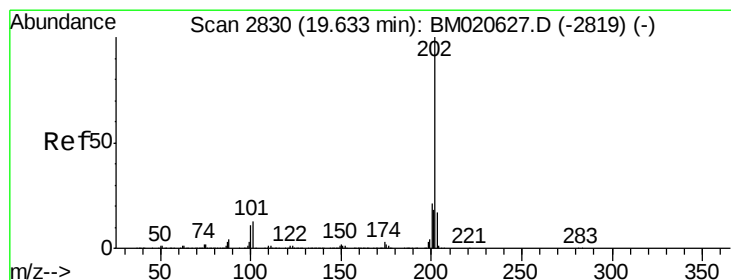
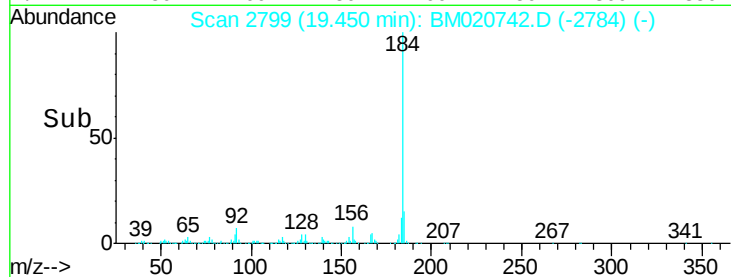
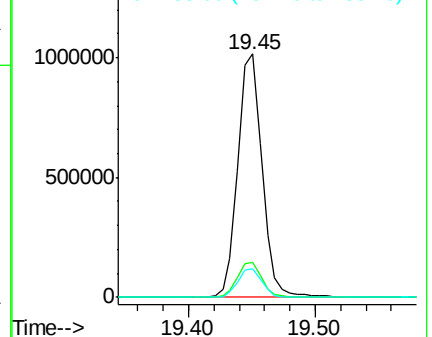
6/6/2019 11:21:55 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.580 ng

RT: 19.62 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

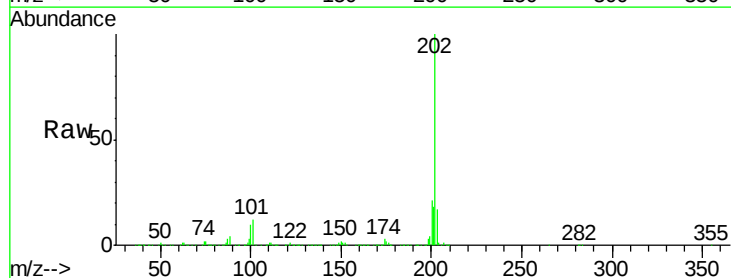
Tgt Ion:202 Resp: 3402755

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

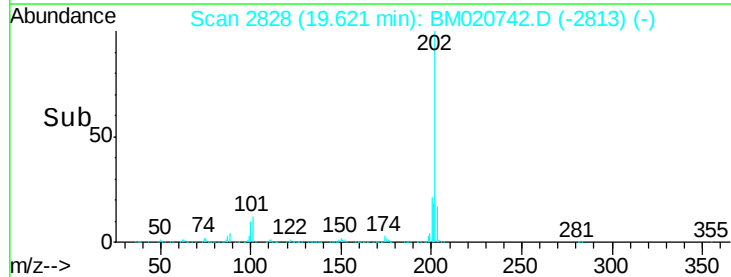
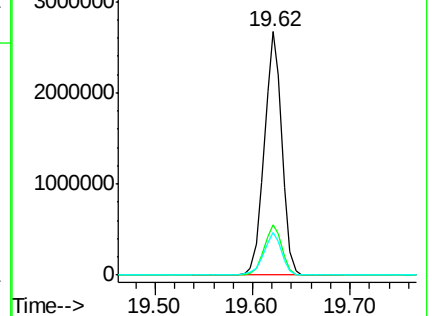
203 17.3 13.9 20.9

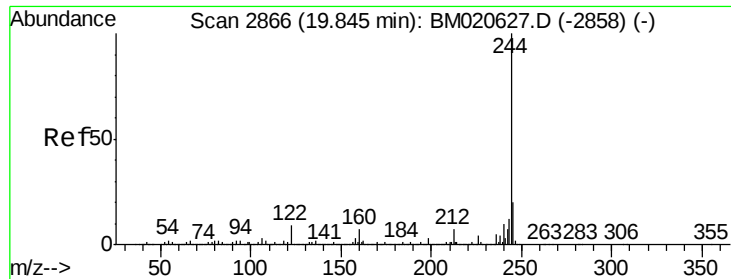


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





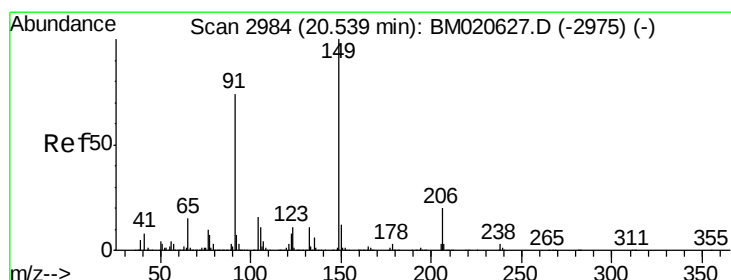
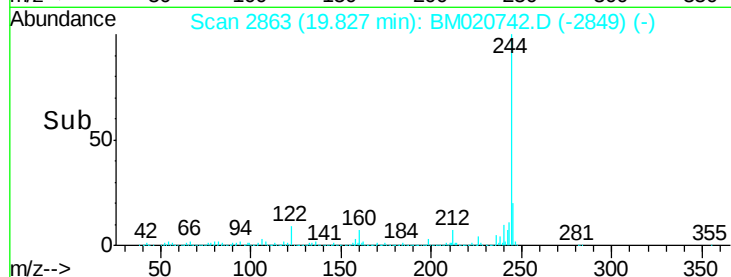
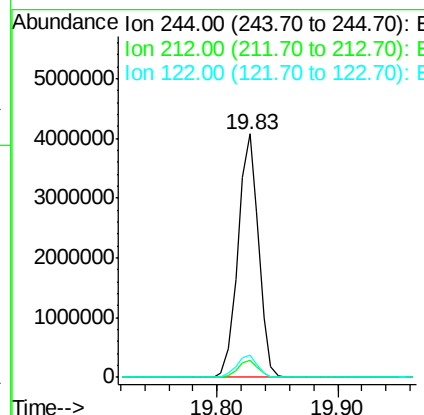
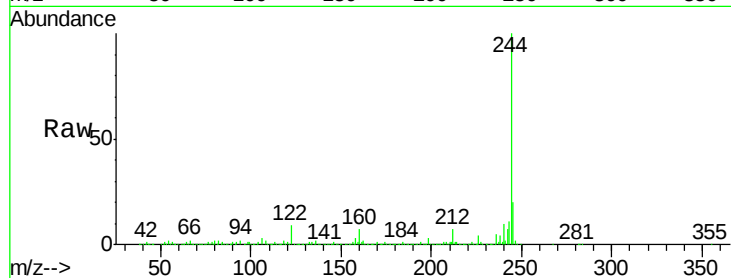
#79  
 Terphenyl-d14  
 Concen: 80.661 ng  
 RT: 19.83 min Scan# 2863  
 Delta R.T. -0.02 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB120342BS

Tot Ion:244 Resp: 4796605  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.7 8.5  
 122 9.2 7.2 10.8

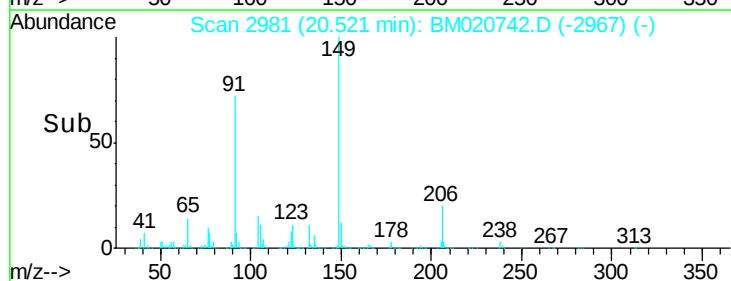
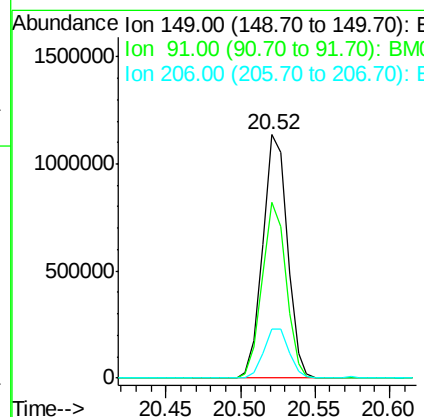
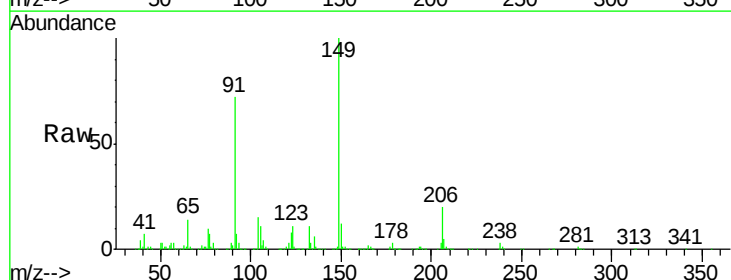
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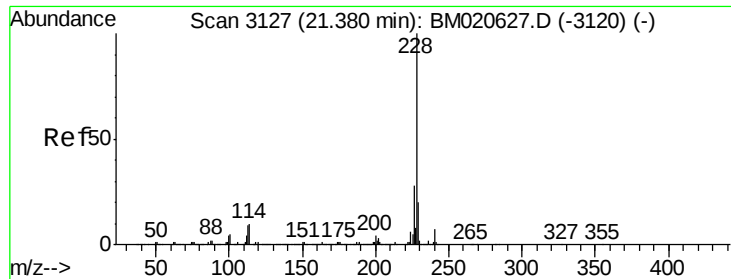
mohammad  
 6/6/2019 11:21:55 AM



#80  
 Butylbenzylphthalate  
 Concen: 39.959 ng  
 RT: 20.52 min Scan# 2981  
 Delta R.T. -0.02 min  
 Lab File: BM020742.D  
 Acq: 05 Jun 2019 18:34

Tgt Ion:149 Resp: 1288957  
 Ion Ratio Lower Upper  
 149 100  
 91 72.1 59.6 89.4  
 206 20.0 15.7 23.5





#81

Benzo(a)anthracene

Concen: 43.957 ng

RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:228 Resp: 3044762

Ion Ratio Lower Upper

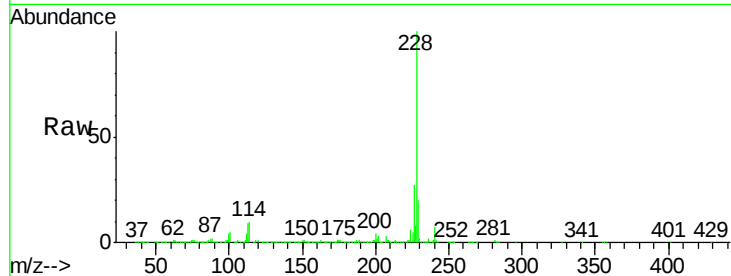
228 100

226 27.3 22.3 33.5

229 19.8 15.9 23.9

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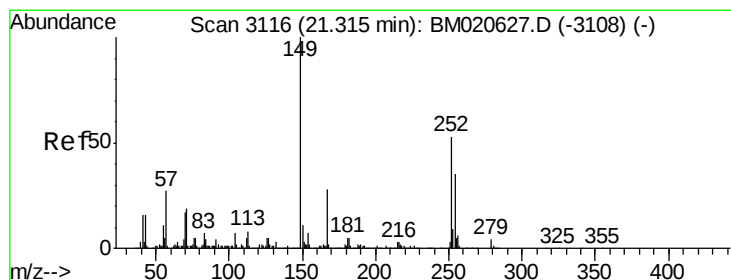
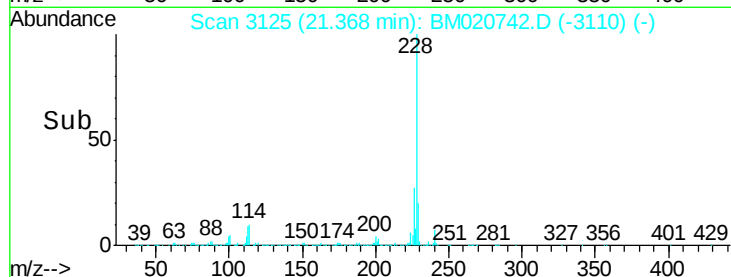
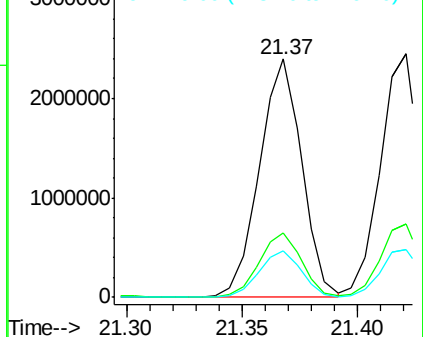
mohammad  
6/6/2019 11:21:55 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 35.481 ng

RT: 21.30 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

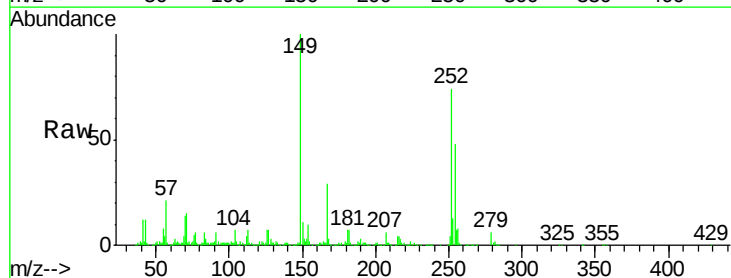
Tgt Ion:252 Resp: 899967

Ion Ratio Lower Upper

252 100

254 64.9 52.6 78.8

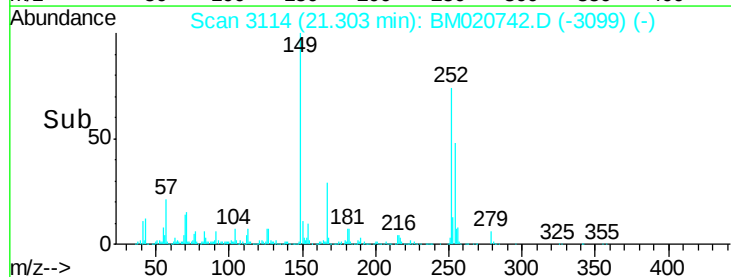
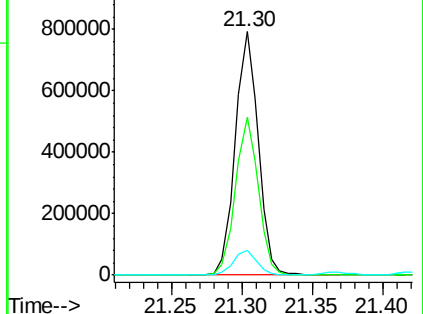
126 10.0 8.0 12.0

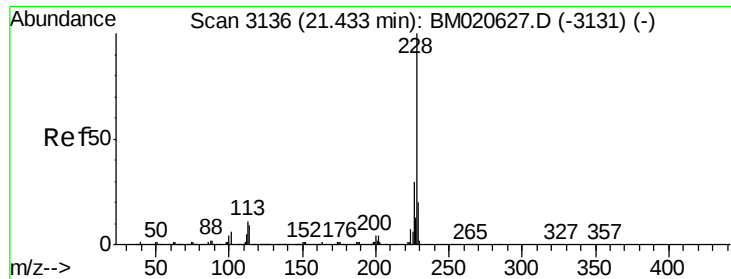


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 45.503 ng

RT: 21.42 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

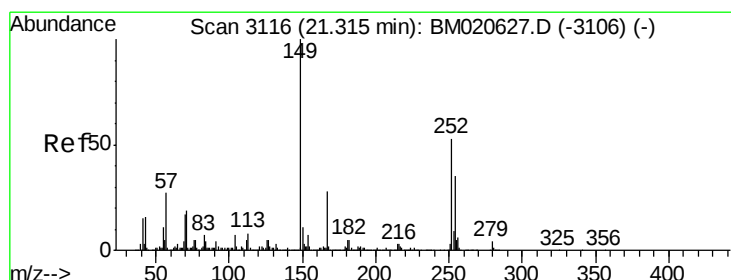
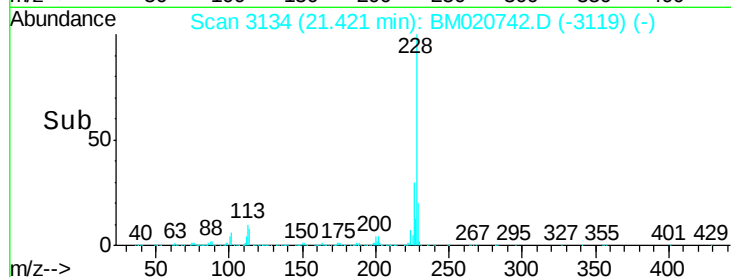
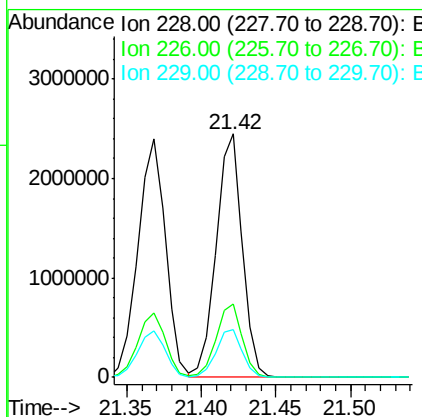
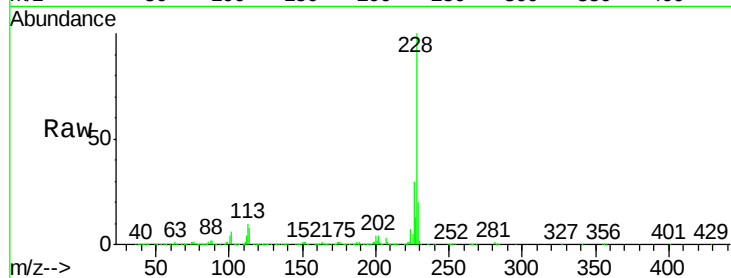
ClientSampleId :

PB120342BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 228   | Resp: | 2996027 |
| Ion      | Ratio | Lower | Upper   |
| 228      | 100   |       |         |
| 226      | 30.3  | 24.2  | 36.2    |
| 229      | 19.8  | 15.8  | 23.6    |

Manual Integrations  
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6/6/2019 11:21:55 AM



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.020 ng

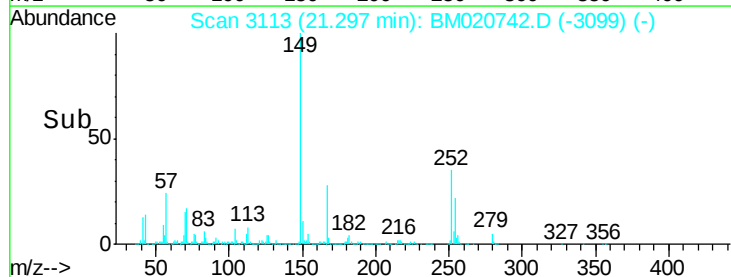
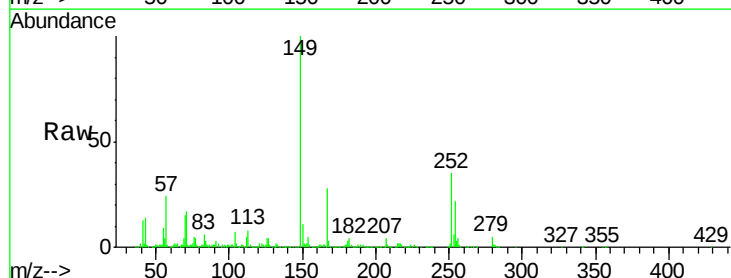
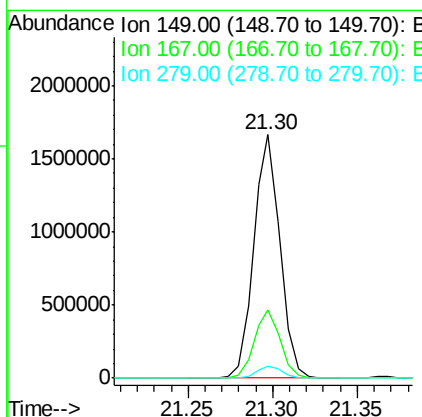
RT: 21.30 min Scan# 3113

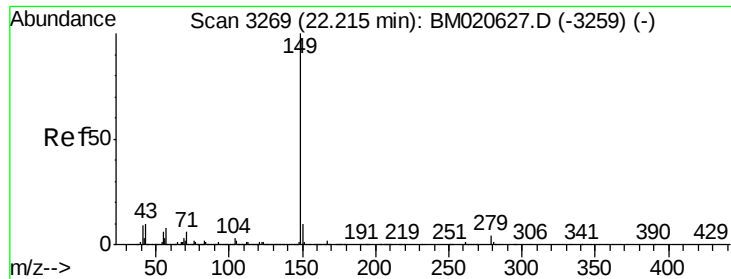
Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1782447 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 167      | 28.0  | 22.1  | 33.1    |
| 279      | 4.8   | 3.4   | 5.0     |





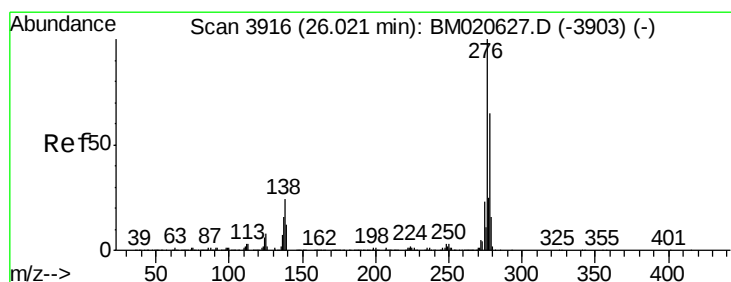
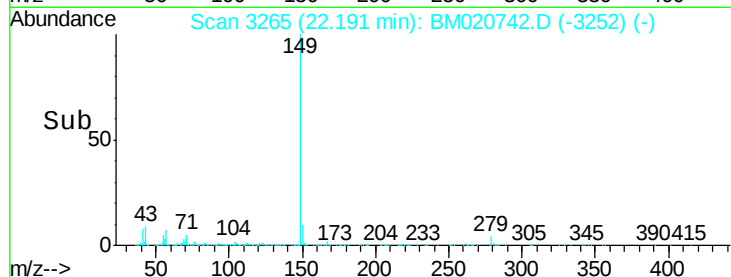
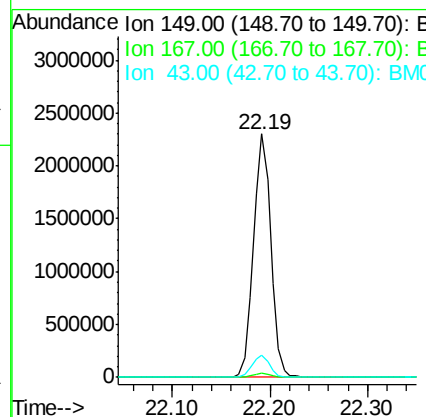
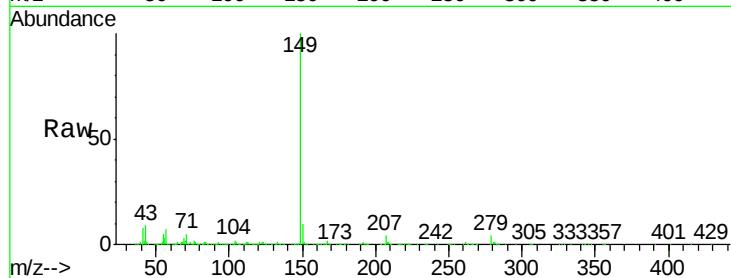
#85  
Di-n-octyl phthalate  
Concen: 38.611 ng  
RT: 22.19 min Scan# 3265  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 8.9   | 8.2   | 12.4  |

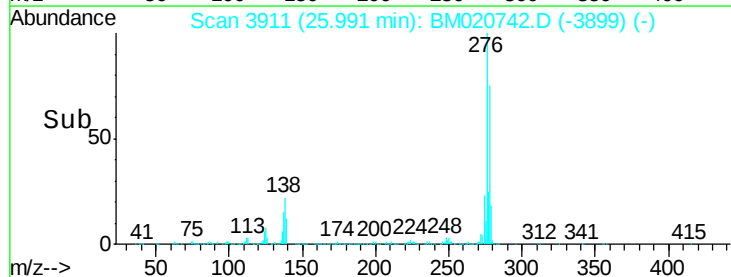
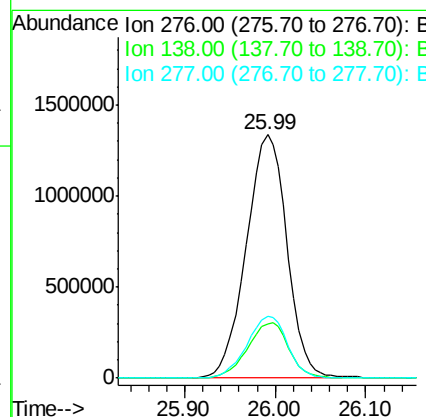
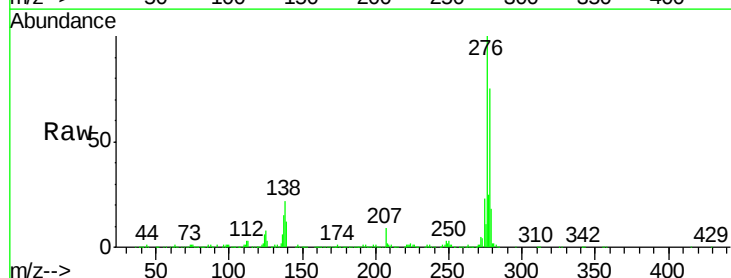
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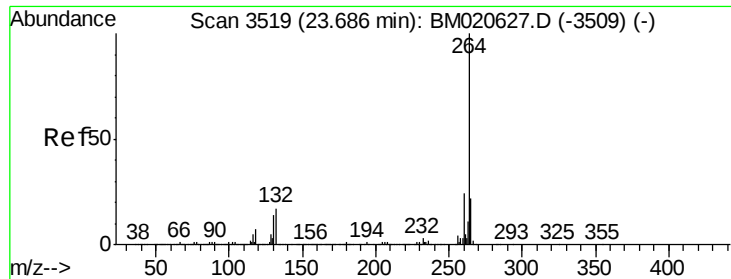
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 61.901 ng  
RT: 25.99 min Scan# 3911  
Delta R.T. -0.03 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.1  | 19.8  | 29.8  |
| 277     | 25.3  | 20.2  | 30.4  |





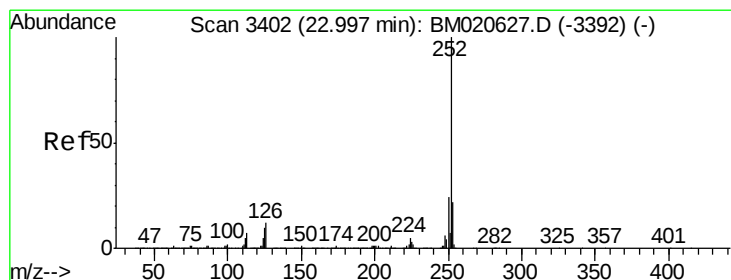
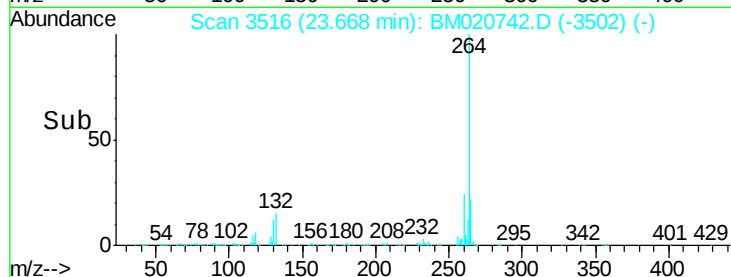
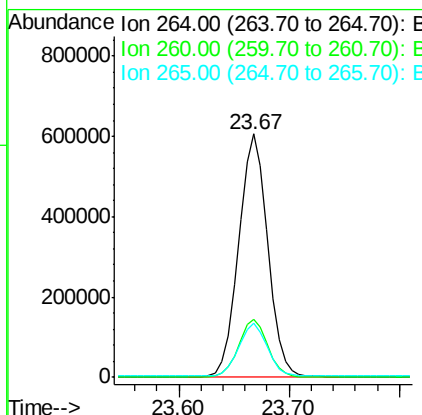
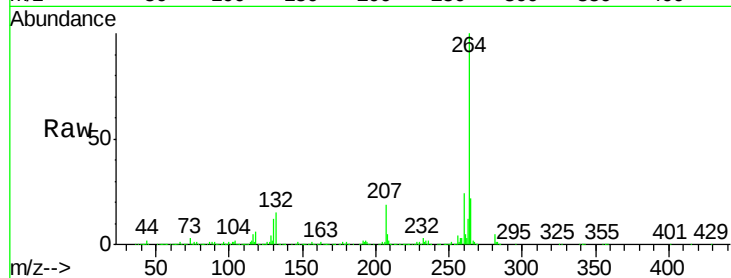
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.67 min Scan# 3516  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

Instrument :  
BNA\_M  
ClientSampleId :  
PB120342BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 22.4  | 17.6  | 26.4  |

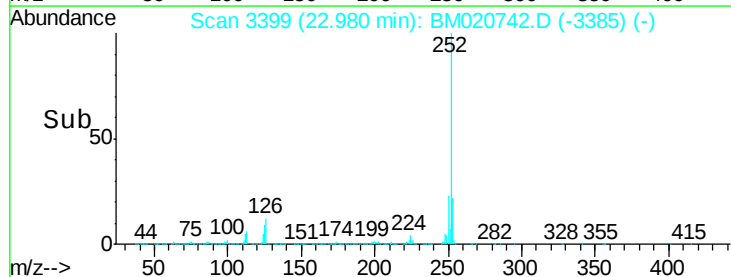
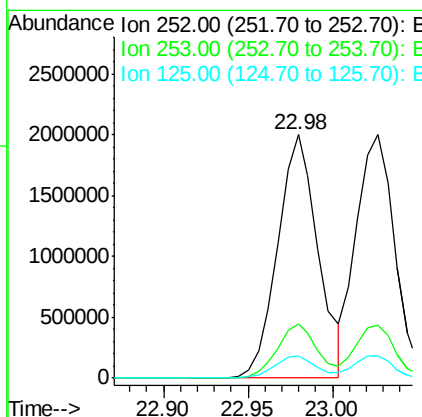
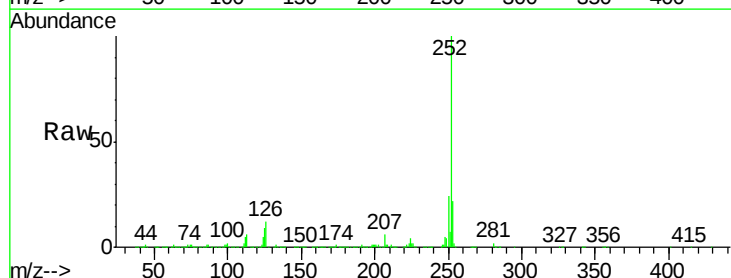
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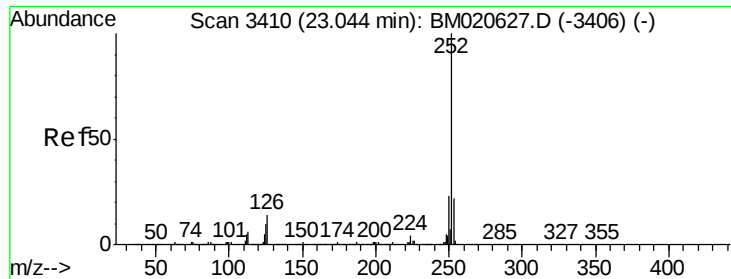
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#88  
Benzo(b)fluoranthene  
Concen: 44.732 ng  
RT: 22.98 min Scan# 3399  
Delta R.T. -0.02 min  
Lab File: BM020742.D  
Acq: 05 Jun 2019 18:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.4  | 26.2  |
| 125     | 9.1   | 7.8   | 11.8  |





#89

Benzo(k)fluoranthene

Concen: 43.522 ng

RT: 23.03 min Scan# 3407

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:252 Resp: 3156541

Ion Ratio Lower Upper

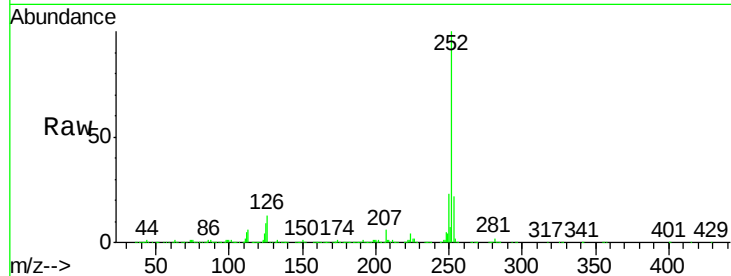
252 100

253 21.7 17.4 26.2

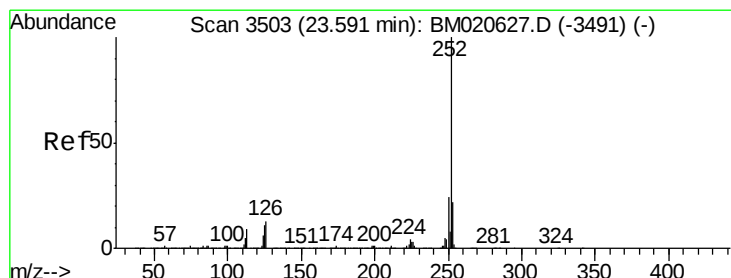
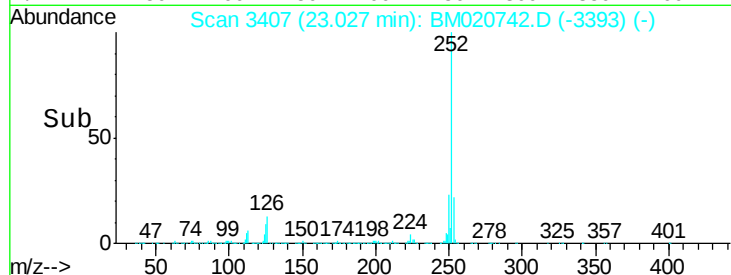
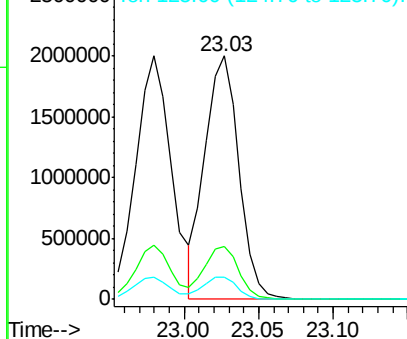
125 9.1 7.8 11.8

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



#90

Benzo(a)pyrene

Concen: 47.919 ng

RT: 23.57 min Scan# 3499

Delta R.T. -0.02 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Tgt Ion:252 Resp: 3225774

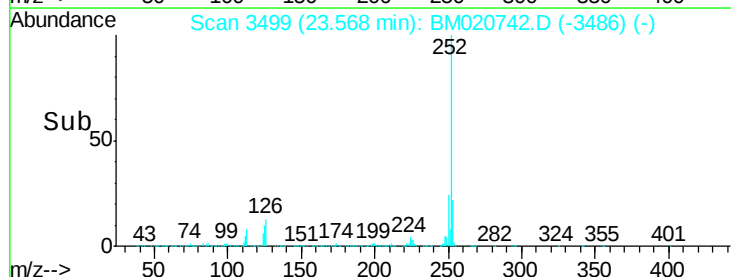
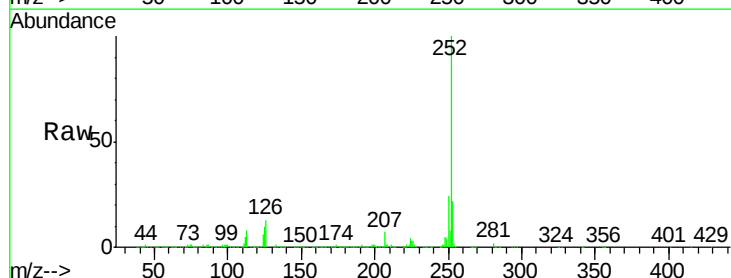
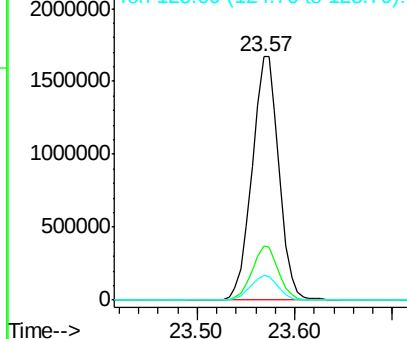
Ion Ratio Lower Upper

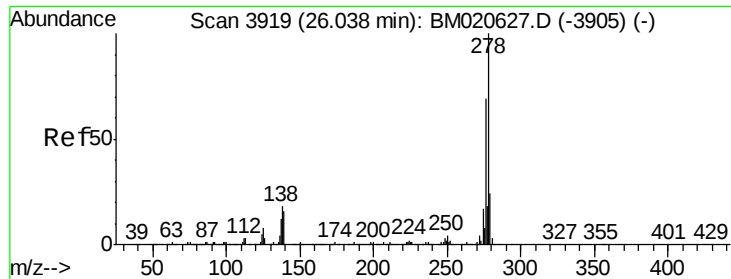
252 100

253 22.1 17.5 26.3

125 10.3 8.6 13.0

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





#91

Dibenzo(a,h)anthracene

Concen: 53.833 ng

RT: 26.00 min Scan# 3913

Delta R.T. -0.04 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

Instrument :

BNA\_M

ClientSampleId :

PB120342BS

Tot Ion:278 Resp: 3515768

Ion Ratio Lower Upper

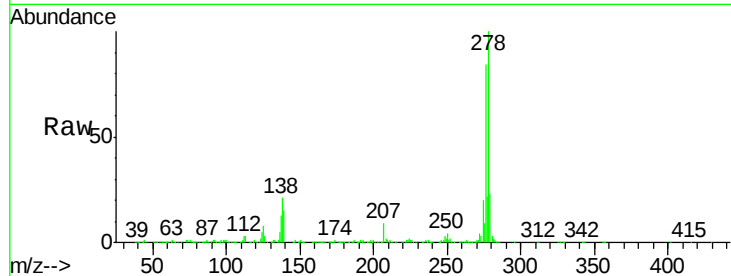
278 100

139 14.8 12.6 18.8

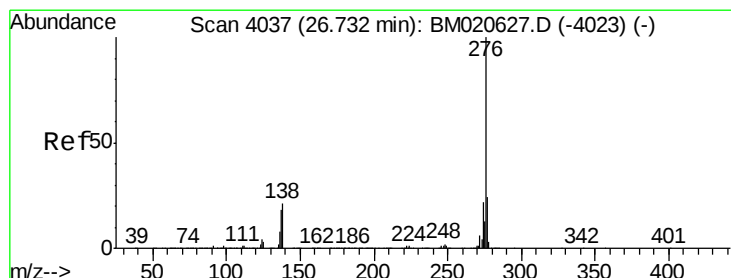
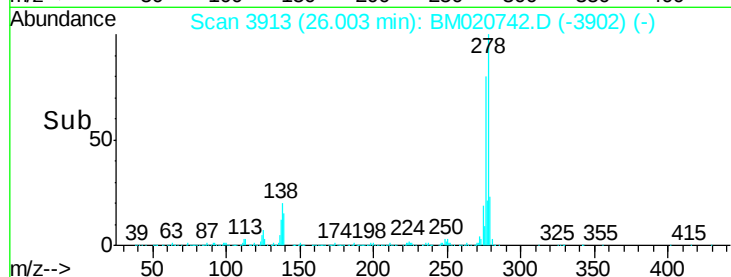
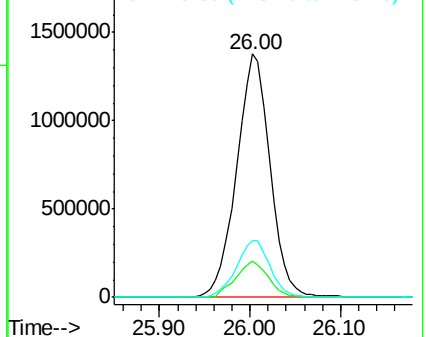
279 23.4 19.0 28.6

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Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 55.929 ng

RT: 26.70 min Scan# 4032

Delta R.T. -0.03 min

Lab File: BM020742.D

Acq: 05 Jun 2019 18:34

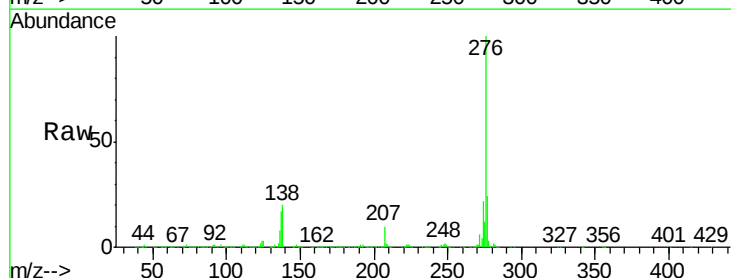
Tgt Ion:276 Resp: 3392793

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 19.6 17.0 25.4



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

