

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060519\  
 Data File : BM020732.D  
 Acq On : 05 Jun 2019 12:30  
 Operator : HP/JU  
 Sample : PB120049BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120049BS

Manual Integrations  
 APPROVED

mohammad  
 6/6/2019 11:21:33 AM

Quant Time: Jun 05 18:39:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 05 18:16:03 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 327102   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.62 | 136  | 1286238  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.46 | 164  | 672181   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.20 | 188  | 1277404  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.38 | 240  | 1022451  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.67 | 264  | 1168341  | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.41  | 112 | 2615634 | 140.66 | ng | 0.00 |
| 7) Phenol-d6                | 6.99  | 99  | 3418462 | 124.85 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.99  | 82  | 2043581 | 82.32  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 15.95 | 330 | 1131280 | 135.84 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.08 | 172 | 4562057 | 90.23  | ng | 0.00 |
| 79) Terphenyl-d14           | 19.83 | 244 | 4905145 | 80.24  | ng | 0.00 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.35  | 88  | 308044  | 40.461 | ng | 99   |
| 3) Pyridine                    | 3.74  | 79  | 883880  | 36.490 | ng | 99   |
| 4) n-Nitrosodimethylamine      | 3.66  | 42  | 394156  | 37.748 | ng | 98   |
| 6) Aniline                     | 7.16  | 93  | 1150999 | 29.052 | ng | 99   |
| 8) 2-Chlorophenol              | 7.39  | 128 | 1016591 | 43.945 | ng | 99   |
| 9) Benzaldehyde                | 6.97  | 77  | 318949m | 16.378 | ng |      |
| 10) Phenol                     | 7.02  | 94  | 1242034 | 42.093 | ng | 98   |
| 11) bis(2-Chloroethyl)ether    | 7.26  | 93  | 912400  | 38.800 | ng | 99   |
| 12) 1,3-Dichlorobenzene        | 7.71  | 146 | 1047907 | 39.415 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 7.86  | 146 | 1066068 | 39.443 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 8.17  | 146 | 1022650 | 38.880 | ng | 98   |
| 15) Benzyl Alcohol             | 8.06  | 79  | 900053  | 37.157 | ng | 99   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 1230100 | 33.882 | ng | 100  |
| 17) 2-Methylphenol             | 8.26  | 107 | 829855  | 39.995 | ng | 99   |
| 18) Hexachloroethane           | 8.89  | 117 | 387741  | 37.470 | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 8.63  | 70  | 757065  | 34.397 | ng | 98   |
| 20) 3+4-Methylphenols          | 8.59  | 107 | 1092793 | 38.710 | ng | 99   |
| 22) Acetophenone               | 8.65  | 105 | 1403701 | 42.959 | ng | # 99 |
| 24) Nitrobenzene               | 9.03  | 77  | 1107951 | 43.718 | ng | 98   |
| 25) Isophorone                 | 9.55  | 82  | 1964103 | 39.774 | ng | 99   |
| 26) 2-Nitrophenol              | 9.73  | 139 | 474862  | 50.275 | ng | 97   |
| 27) 2,4-Dimethylphenol         | 9.79  | 122 | 885733  | 50.045 | ng | 100  |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93  | 1216028 | 40.727 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 10.26 | 162 | 908097  | 46.375 | ng | 99   |
| 30) 1,2,4-Trichlorobenzene     | 10.47 | 180 | 998080  | 44.328 | ng | 99   |
| 31) Naphthalene                | 10.66 | 128 | 2897013 | 43.799 | ng | 100  |
| 32) Benzoic acid               | 9.93  | 122 | 465321  | 42.436 | ng | 96   |
| 33) 4-Chloroaniline            | 10.77 | 127 | 434218  | 14.106 | ng | 99   |
| 34) Hexachlorobutadiene        | 10.94 | 225 | 585503  | 43.339 | ng | 99   |
| 35) Caprolactam                | 11.57 | 113 | 245992m | 36.161 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 11.89 | 107 | 918572  | 40.347 | ng | 99   |
| 37) 2-Methylnaphthalene        | 12.27 | 142 | 2086971 | 42.568 | ng | 99   |
| 38) 1-Methylnaphthalene        | 12.50 | 142 | 1976913 | 42.348 | ng | 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216 | 1089779 | 49.472 | ng | 99   |

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 PB120049BS

Manual Integrations  
 APPROVED

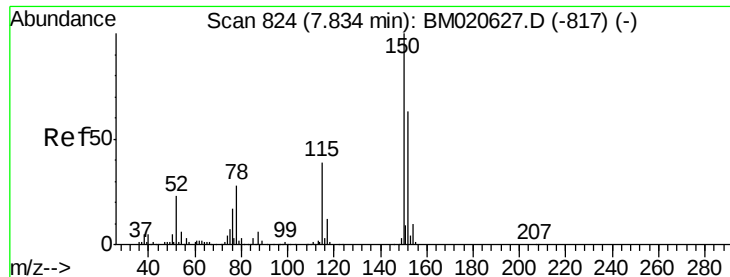
mohammad  
 6/6/2019 11:21:33 AM

Quant Time: Jun 05 18:39:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.62 | 237  | 1388758  | 105.414 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.89 | 196  | 680859   | 48.019  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.95 | 196  | 717971   | 49.047  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.29 | 154  | 2602626  | 46.361  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.33 | 162  | 2019213  | 44.566  | ng    | 100      |
| 48) 2-Nitroaniline             | 13.54 | 65   | 549682   | 38.653  | ng    | 99       |
| 49) Acenaphthylene             | 14.18 | 152  | 3137623  | 44.382  | ng    | 100      |
| 50) Dimethylphthalate          | 13.92 | 163  | 2368244  | 41.239  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.04 | 165  | 507494   | 43.522  | ng    | 98       |
| 52) Acenaphthene               | 14.52 | 154  | 1820953  | 43.222  | ng    | 97       |
| 53) 3-Nitroaniline             | 14.37 | 138  | 295417   | 22.698  | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.57 | 184  | 394849   | 78.827  | ng    | 98       |
| 55) Dibenzofuran               | 14.86 | 168  | 2831012  | 43.266  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.67 | 139  | 764872   | 79.748  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.83 | 165  | 655691   | 41.996  | ng    | 98       |
| 58) Fluorene                   | 15.51 | 166  | 2258878  | 41.979  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.08 | 232  | 593228   | 46.507  | ng    | 99       |
| 60) Diethylphthalate           | 15.29 | 149  | 2292241  | 38.702  | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.50 | 204  | 1195045  | 41.945  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.53 | 138  | 459225   | 33.269  | ng    | 98       |
| 63) Azobenzene                 | 15.80 | 77   | 2150367  | 37.870  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.59 | 198  | 242723   | 42.905  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.72 | 169  | 1891849  | 46.264  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.40 | 248  | 683905   | 45.472  | ng    | 99       |
| 68) Hexachlorobenzene          | 16.50 | 284  | 789495   | 44.953  | ng    | 99       |
| 69) Atrazine                   | 16.67 | 200  | 583731   | 47.829  | ng    | 99       |
| 70) Pentachlorophenol          | 16.85 | 266  | 859579   | 102.594 | ng    | 99       |
| 71) Phenanthrene               | 17.24 | 178  | 3139510  | 43.359  | ng    | 99       |
| 72) Anthracene                 | 17.33 | 178  | 3198450  | 44.134  | ng    | 99       |
| 73) Carbazole                  | 17.61 | 167  | 2685097  | 40.829  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.17 | 149  | 3302132  | 38.680  | ng    | 99       |
| 75) Fluoranthene               | 19.26 | 202  | 3223446  | 40.031  | ng    | 100      |
| 77) Benzidine                  | 19.45 | 184  | 1330696  | 42.952  | ng    | 99       |
| 78) Pyrene                     | 19.62 | 202  | 3250352  | 41.426  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.52 | 149  | 1227731  | 37.027  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.37 | 228  | 2939169  | 41.279  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.30 | 252  | 831748   | 31.900  | ng    | 99       |
| 83) Chrysene                   | 21.42 | 228  | 2887950  | 42.669  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 1701576  | 35.309  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.19 | 149  | 2757439  | 36.040  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.99 | 276  | 4083730  | 58.978  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 22.98 | 252  | 3228001  | 41.802  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.03 | 252  | 3077134  | 40.776  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.57 | 252  | 3162206  | 45.147  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 26.00 | 278  | 3419536  | 50.322  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.70 | 276  | 3369015  | 53.376  | ng    | 99       |

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





#1

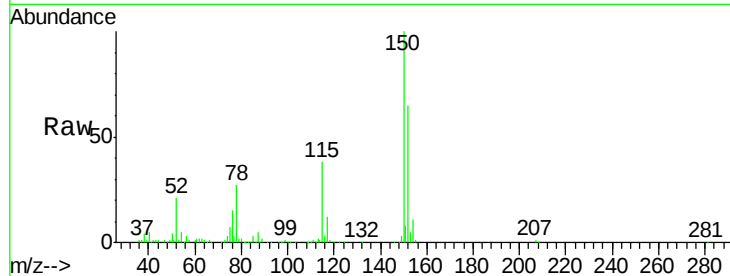
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 822  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

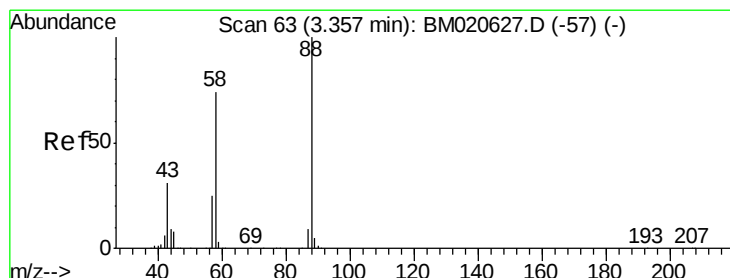
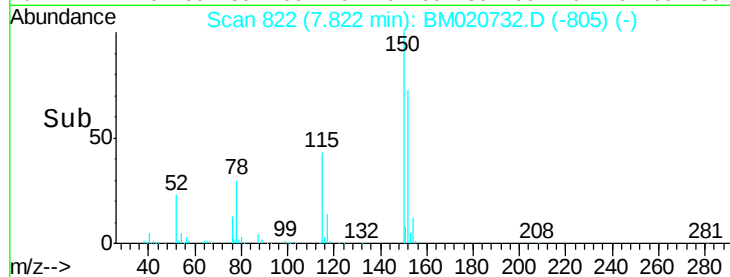
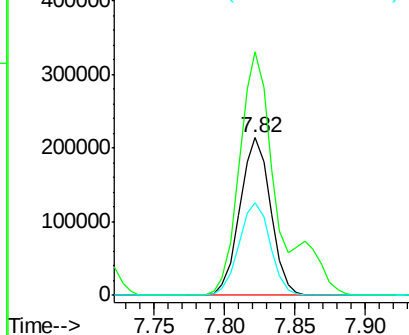
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 124.0 | 186.0 |
| 115     | 58.6  | 47.0  | 70.6  |

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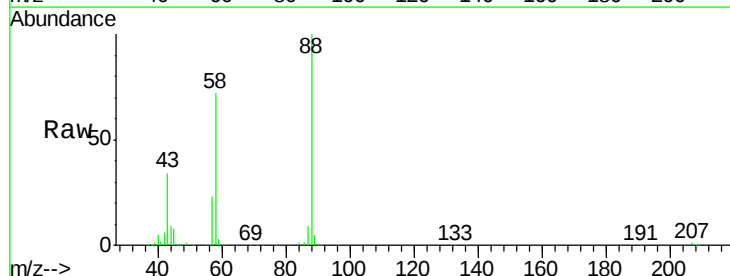
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



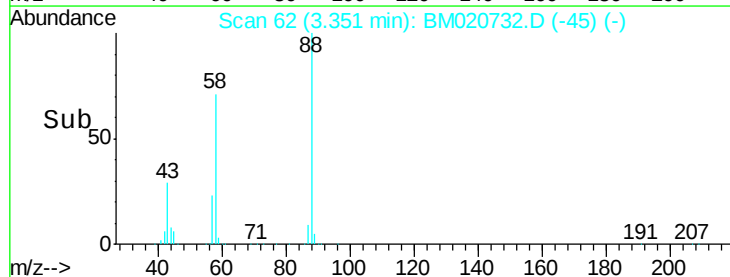
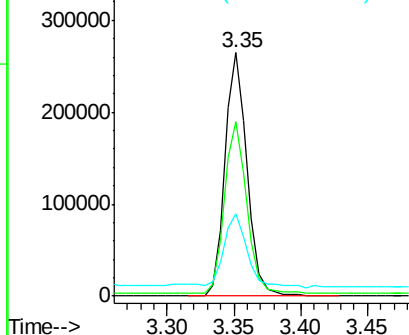
#2

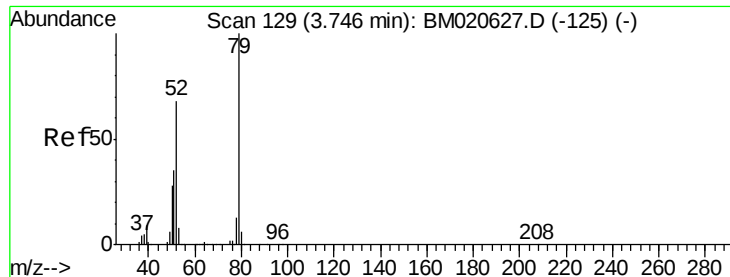
1,4-Dioxane  
Concen: 40.461 ng  
RT: 3.35 min Scan# 62  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 70.9  | 57.2  | 85.8  |
| 43      | 32.1  | 24.2  | 36.4  |



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: 36.490 ng

RT: 3.74 min Scan# 128

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

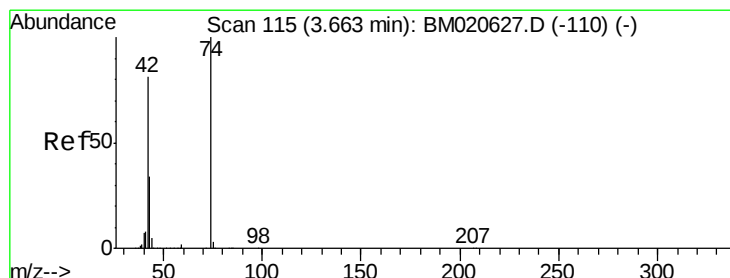
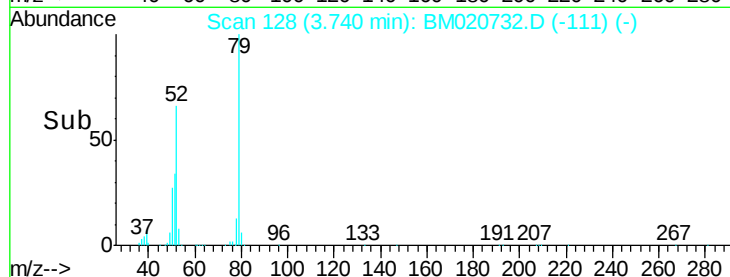
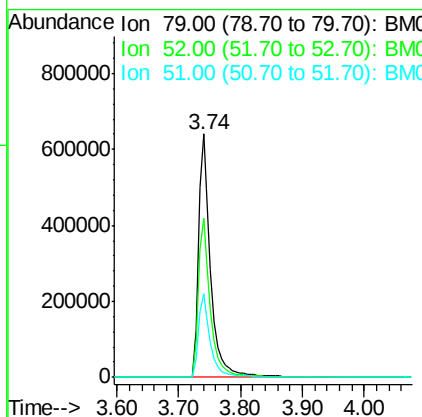
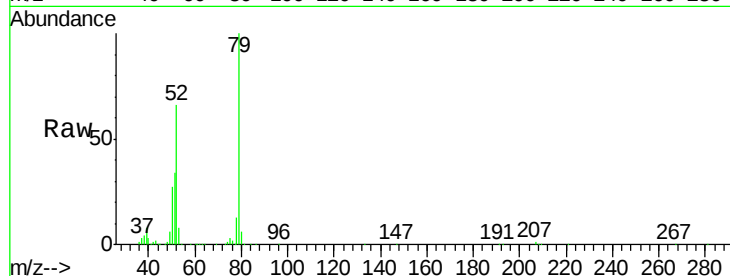
ClientSampleId :

PB120049BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 883880 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 65.6  | 52.0  | 78.0   |
| 51       | 34.3  | 26.5  | 39.7   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 37.748 ng

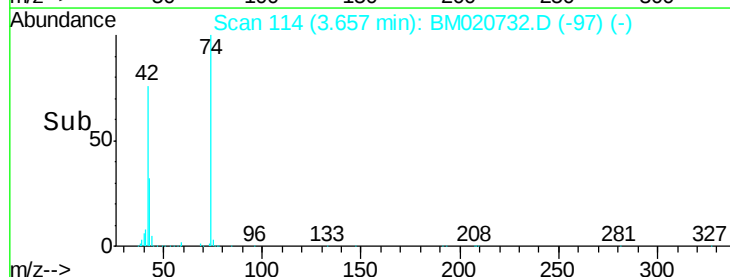
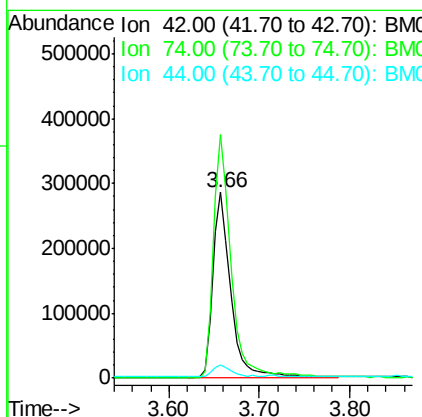
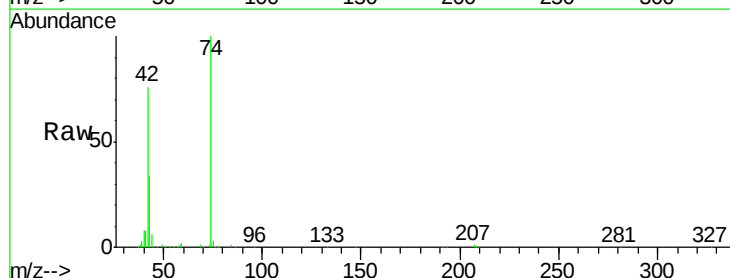
RT: 3.66 min Scan# 114

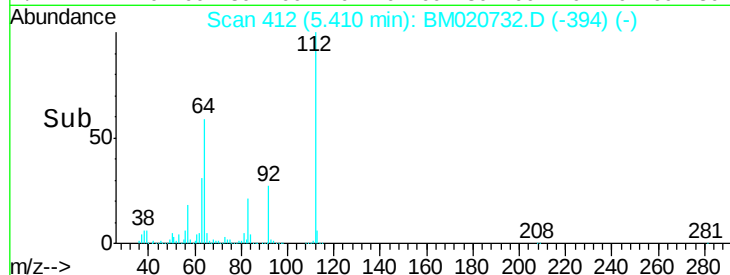
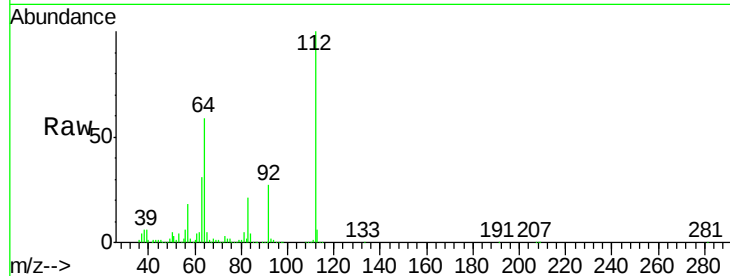
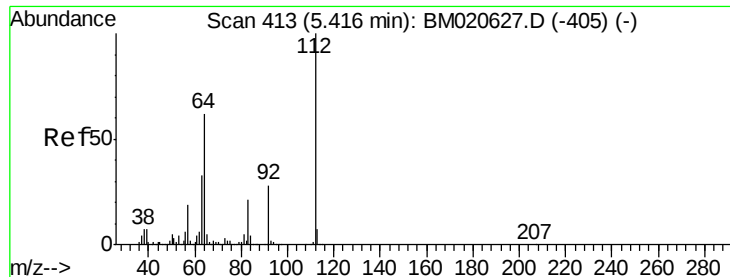
Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 394156 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 131.1 | 103.3 | 154.9  |
| 44       | 7.2   | 5.9   | 8.9    |





#5

2-Fluorophenol

Concen: 140.662 ng

RT: 5.41 min Scan# 412

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 2615634 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 59.4  | 47.8  | 71.8    |
| 63       | 31.0  | 25.4  | 38.0    |

Instrument :

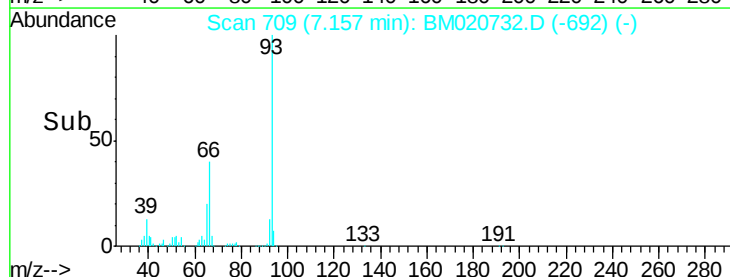
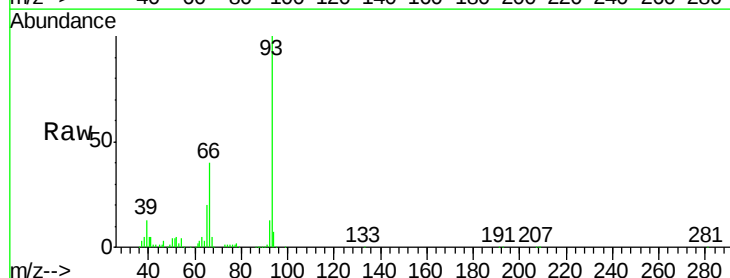
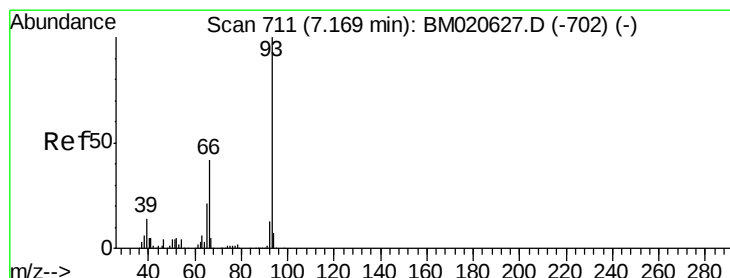
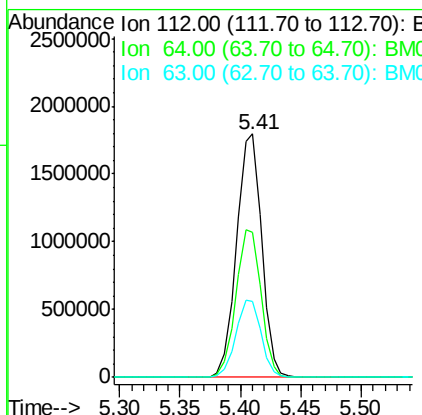
BNA\_M

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#6

Aniline

Concen: 29.052 ng

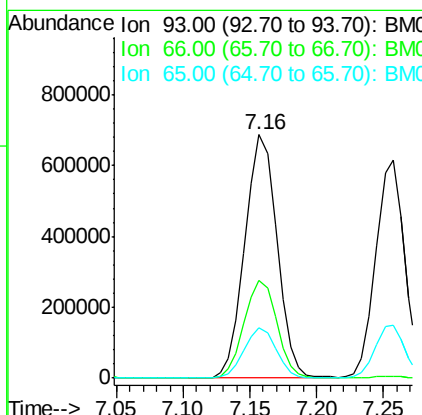
RT: 7.16 min Scan# 709

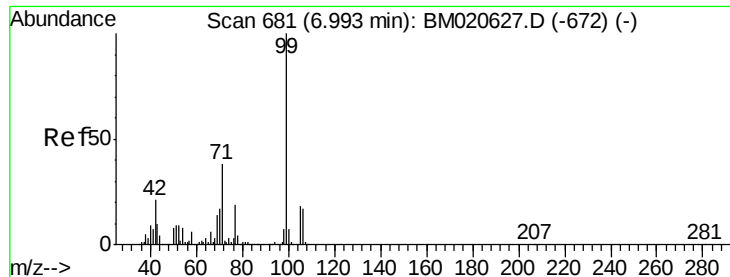
Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 93    | Resp: | 1150999 |
| Ion      | Ratio | Lower | Upper   |
| 93       | 100   |       |         |
| 66       | 40.1  | 33.0  | 49.4    |
| 65       | 20.4  | 16.1  | 24.1    |





#7

Phenol-d6

Concen: 124.849 ng

RT: 6.99 min Scan# 681

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampled :

PB120049BS

Tot Ion: 99 Resp: 3418462

Ion Ratio Lower Upper

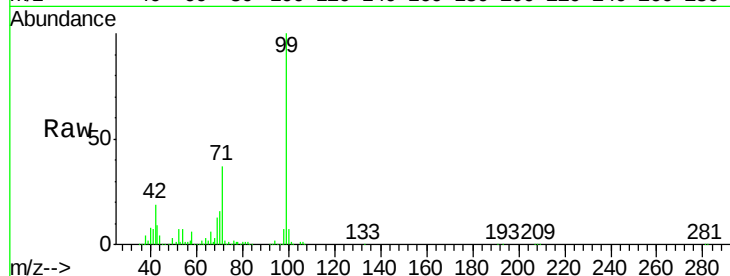
99 100

42 18.6 14.8 22.2

71 36.8 29.5 44.3

Manual Integrations  
APPROVED

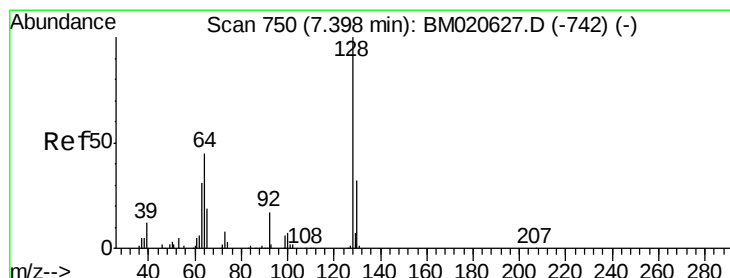
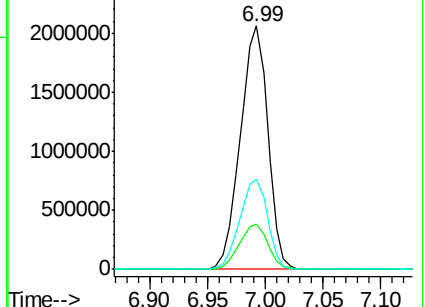
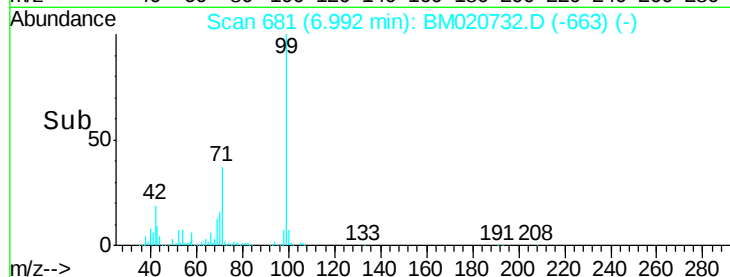
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Abundance Ion 99.00 (98.70 to 99.70): BM020732.D (-663) (-)

Ion 42.00 (41.70 to 42.70): BM020732.D (-663) (-)

Ion 71.00 (70.70 to 71.70): BM020732.D (-663) (-)



#8

2-Chlorophenol

Concen: 43.945 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

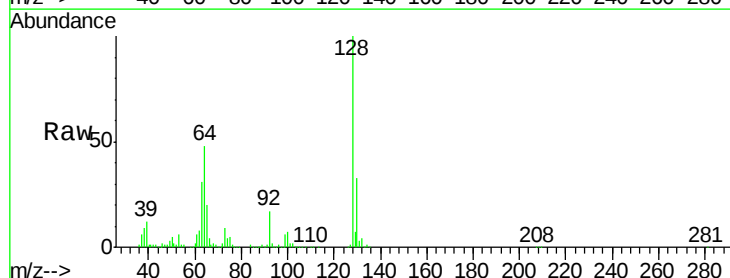
Tgt Ion: 128 Resp: 1016591

Ion Ratio Lower Upper

128 100

130 32.5 12.6 52.6

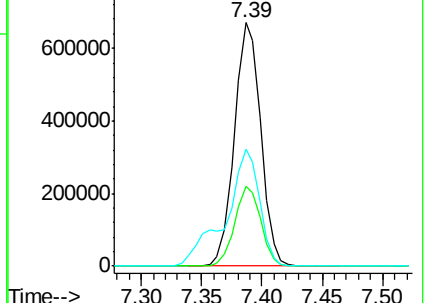
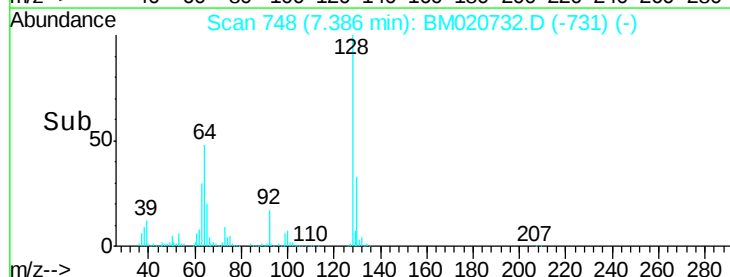
64 48.2 27.5 67.5

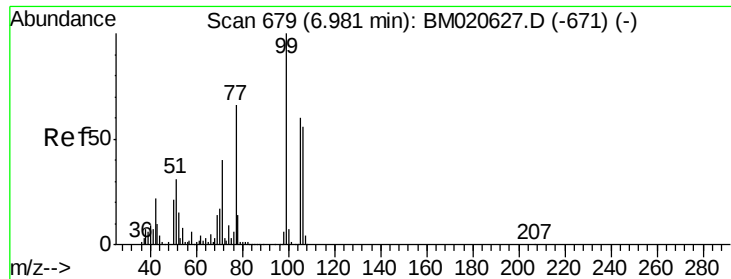


Abundance Ion 128.00 (127.70 to 128.70): BM020732.D (-731) (-)

Ion 130.00 (129.70 to 130.70): BM020732.D (-731) (-)

Ion 64.00 (63.70 to 64.70): BM020732.D (-731) (-)





#9

Benzaldehyde

Concen: 16.378 ng/mL

RT: 6.97 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

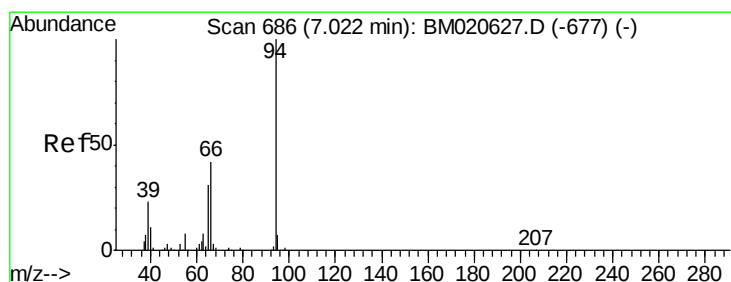
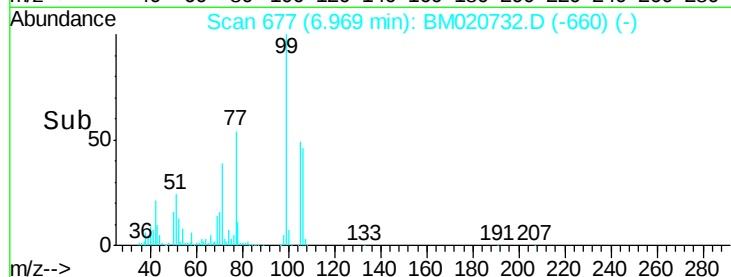
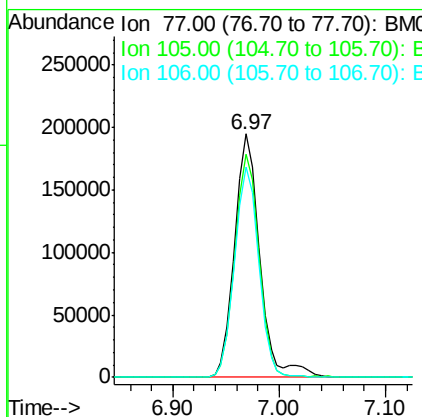
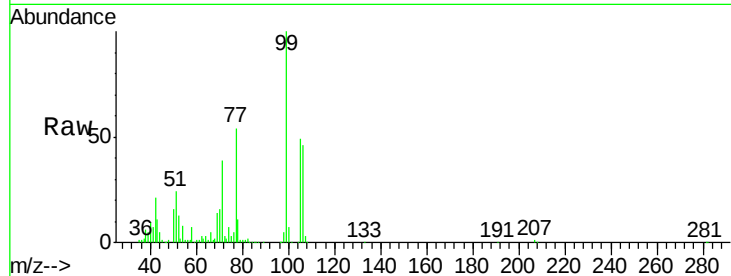
ClientSampleID :

PB120049BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 318949 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 91.8  | 73.6  | 113.6  |
| 106      | 86.2  | 68.3  | 108.3  |

Manual Integrations  
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#10

Phenol

Concen: 42.093 ng/mL

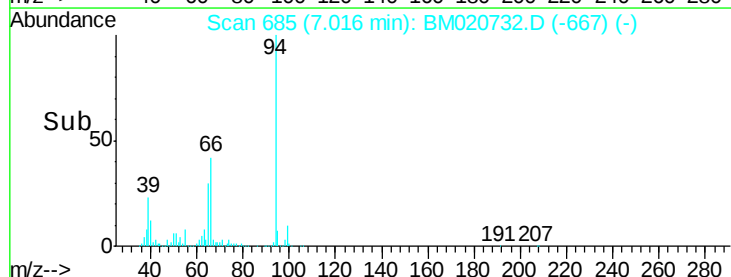
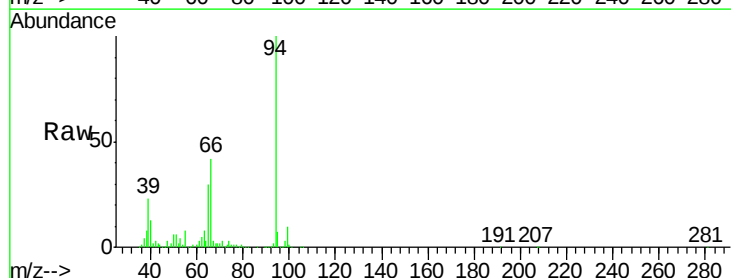
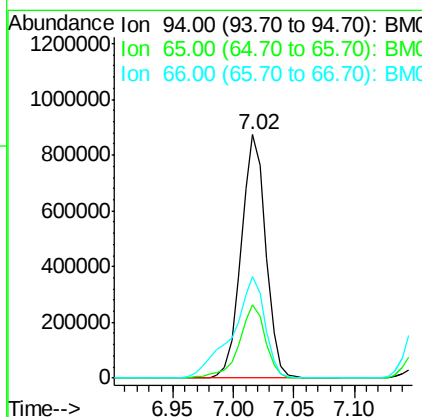
RT: 7.02 min Scan# 685

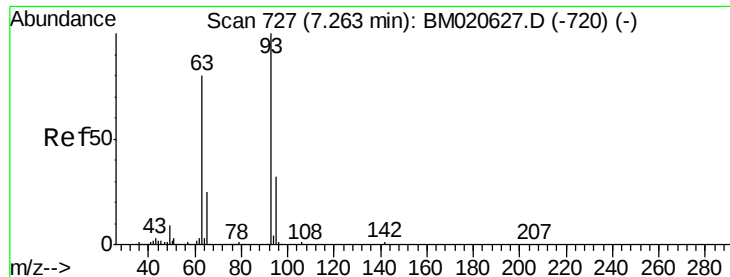
Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 94    | Resp: | 1242034 |
| Ion      | Ratio | Lower | Upper   |
| 94       | 100   |       |         |
| 65       | 30.0  | 9.4   | 49.4    |
| 66       | 41.9  | 20.7  | 60.7    |





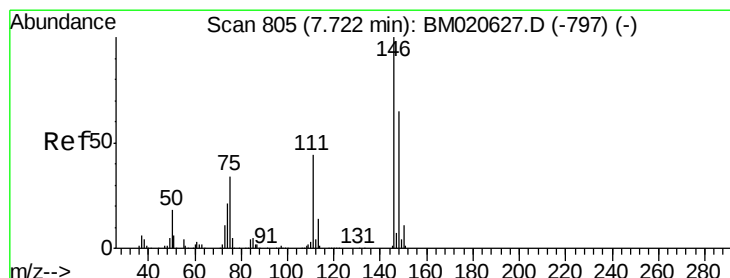
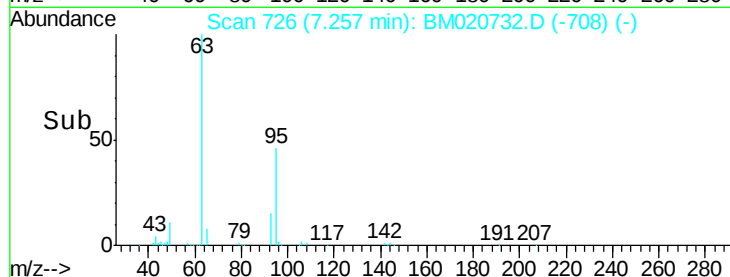
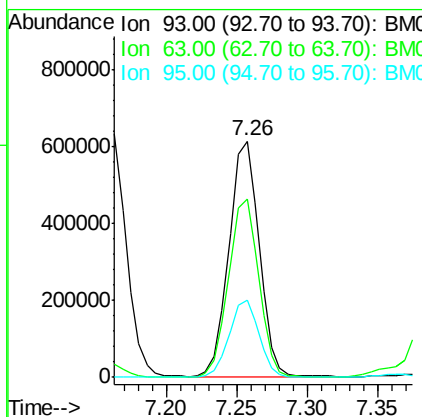
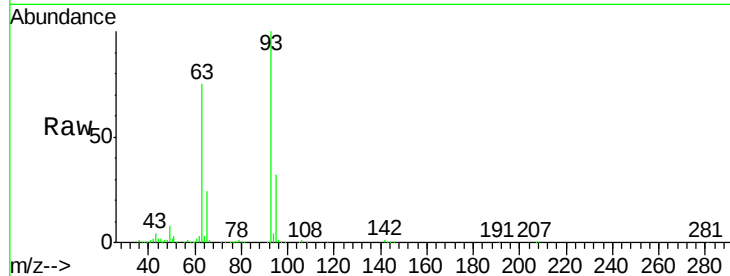
#11  
bis(2-Chloroethyl)ether  
Concen: 38.800 ng  
RT: 7.26 min Scan# 726  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 912400 |       |       |
| 63      | 75.2  | 56.0   | 96.0  |       |
| 95      | 32.5  | 12.2   | 52.2  |       |

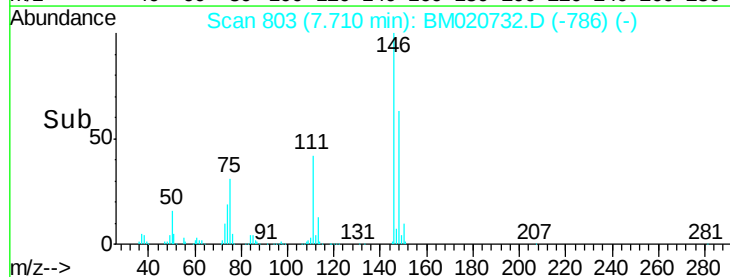
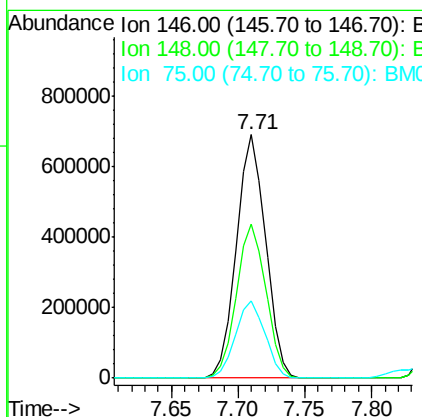
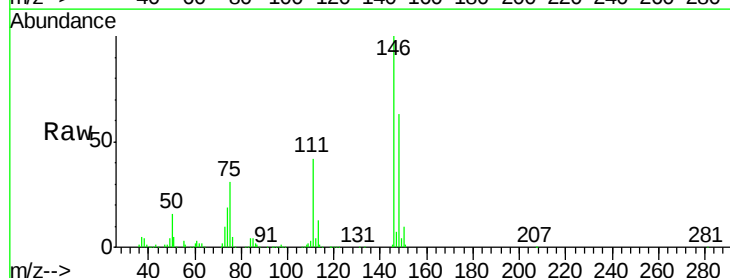
Manual Integrations  
APPROVED

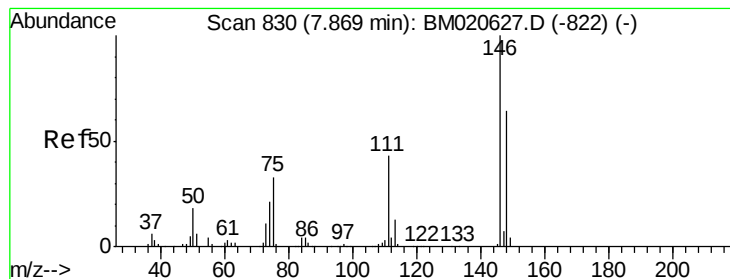
mohammad  
6/6/2019 11:21:33 AM



#12  
1,3-Dichlorobenzene  
Concen: 39.415 ng  
RT: 7.71 min Scan# 803  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 146     | 100   | 1047907 |       |       |
| 148     | 63.3  | 51.3    | 76.9  |       |
| 75      | 31.5  | 25.3    | 37.9  |       |





#13

1,4-Dichlorobenzene

Concen: 39.443 ng

RT: 7.86 min Scan# 828

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:146 Resp: 1066068

Ion Ratio Lower Upper

146 100

148 64.0 52.5 78.7

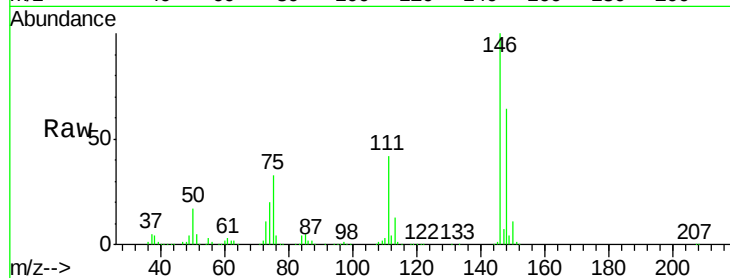
111 41.9 33.8 50.8

Manual Integrations

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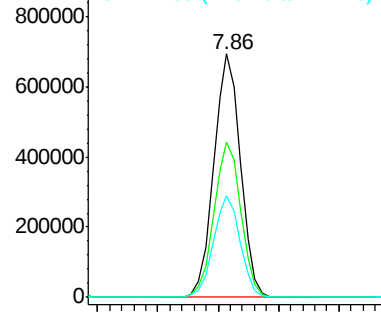
6/6/2019 11:21:33 AM



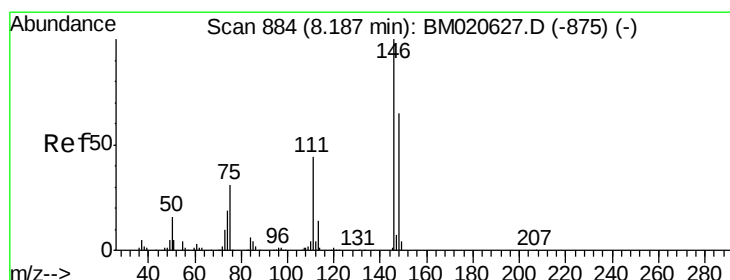
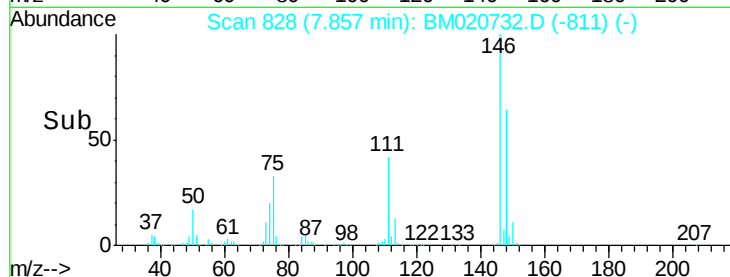
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



Time-->



#14

1,2-Dichlorobenzene

Concen: 38.880 ng

RT: 8.17 min Scan# 882

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

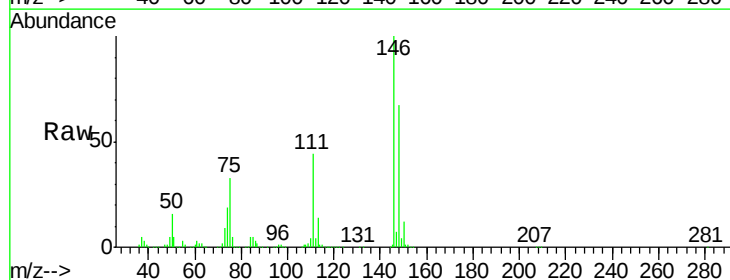
Tgt Ion:146 Resp: 1022650

Ion Ratio Lower Upper

146 100

148 66.5 51.0 76.6

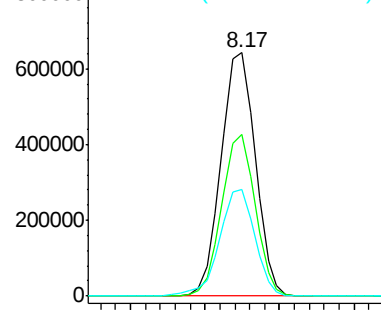
111 43.7 35.3 52.9



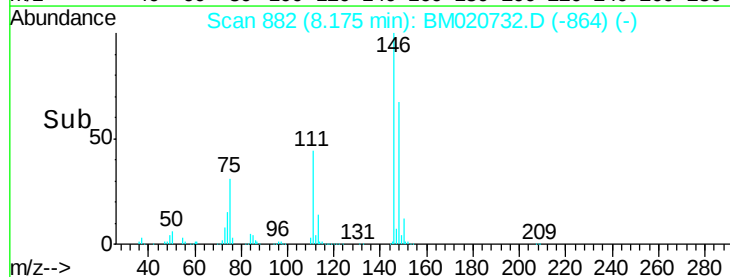
Abundance Ion 146.00 (145.70 to 146.70): E

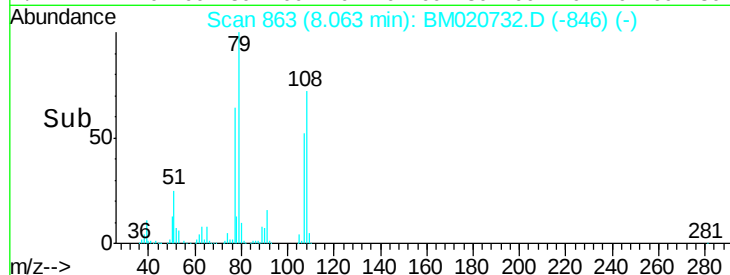
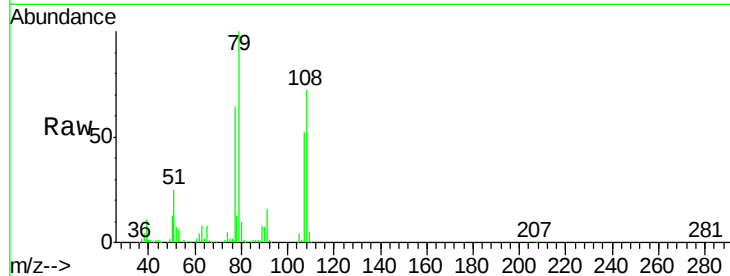
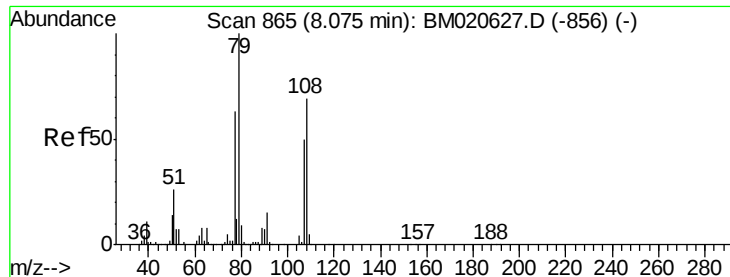
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



Time-->





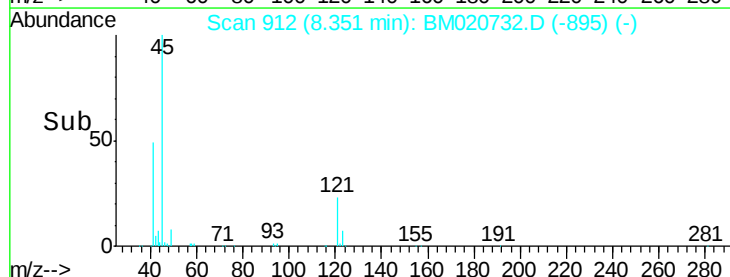
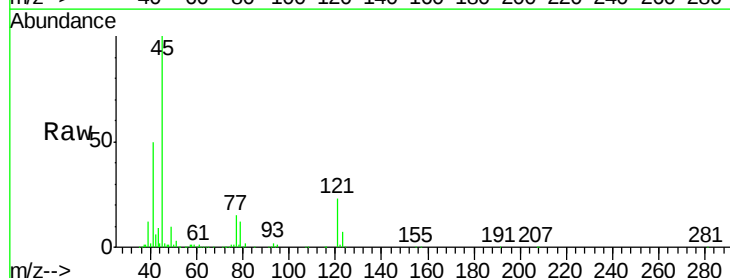
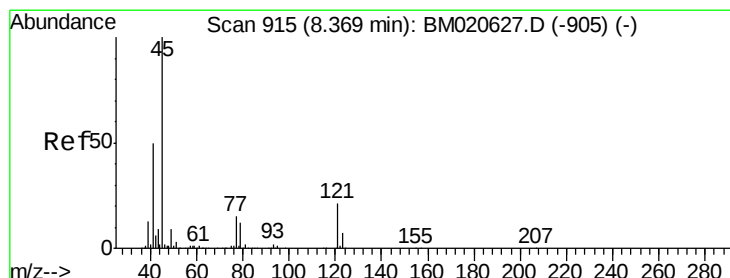
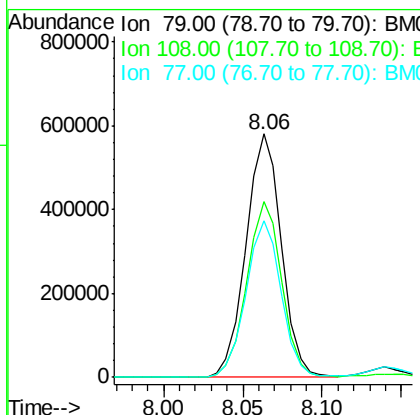
#15  
Benzyl Alcohol  
Concen: 37.157 ng  
RT: 8.06 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 72.1  | 57.2  | 85.8  |
| 77      | 64.4  | 50.9  | 76.3  |

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

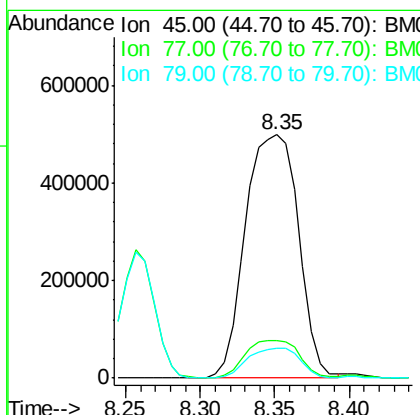
Manual Integrations  
APPROVED

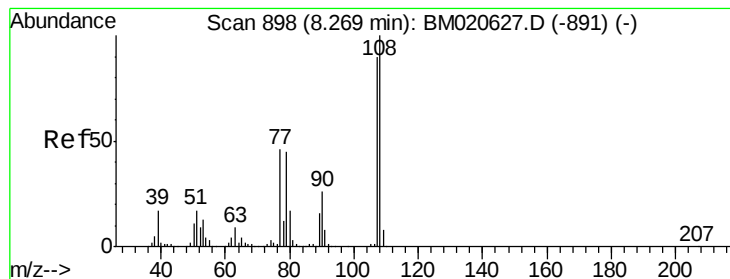
mohammad  
6/6/2019 11:21:33 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 33.882 ng  
RT: 8.35 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.5  | 0.0   | 35.4  |
| 79      | 12.1  | 0.0   | 32.2  |





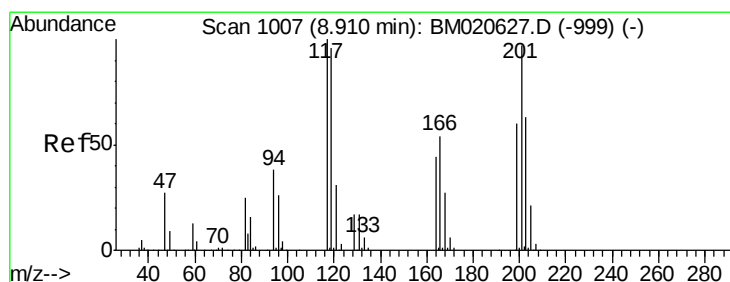
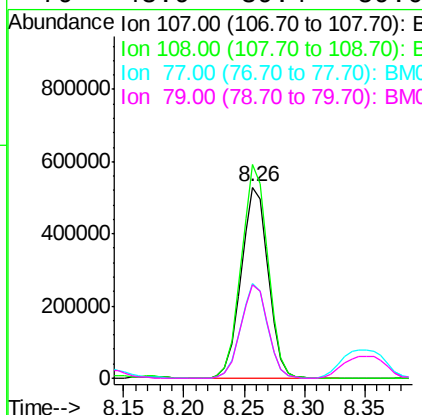
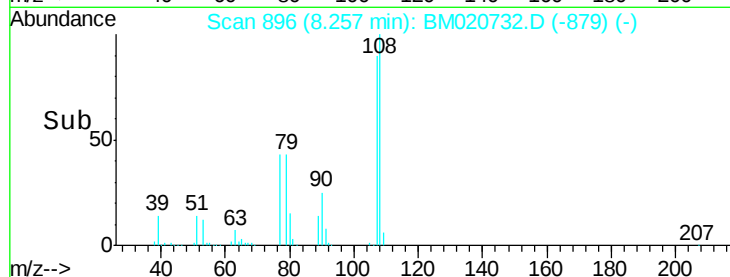
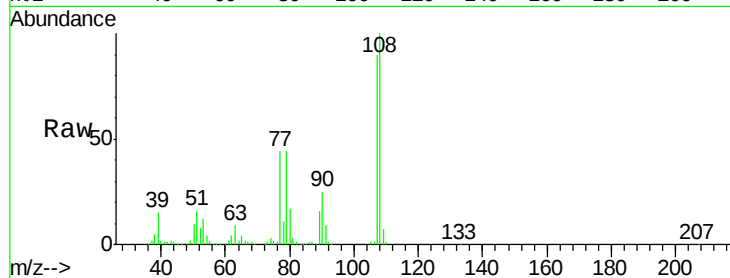
#17  
2-Methylphenol  
Concen: 39.995 ng  
RT: 8.26 min Scan# 896  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.7 | 88.2 | 132.4 |       |
| 77      | 49.6  | 39.5 | 59.3  |       |
| 79      | 48.9  | 39.4 | 59.0  |       |

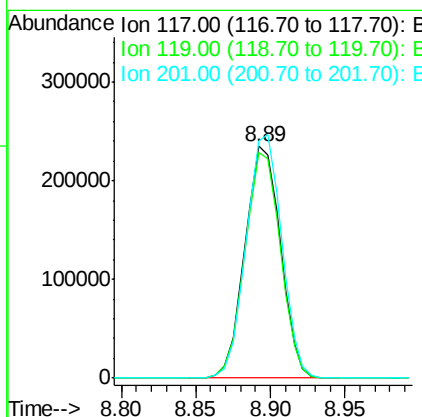
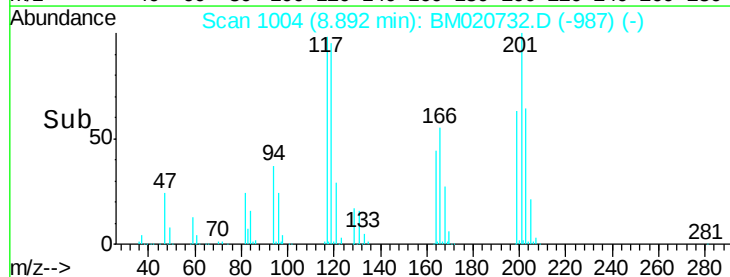
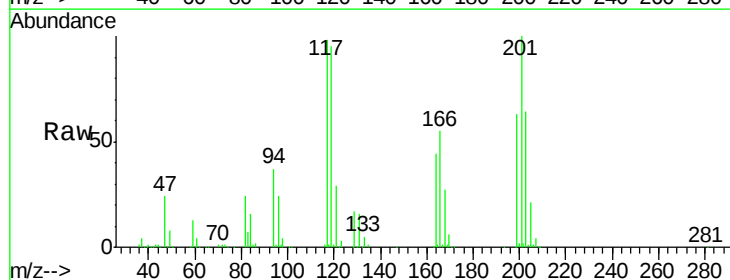
Manual Integrations  
APPROVED

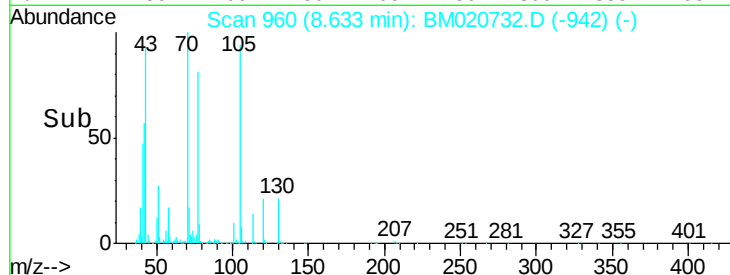
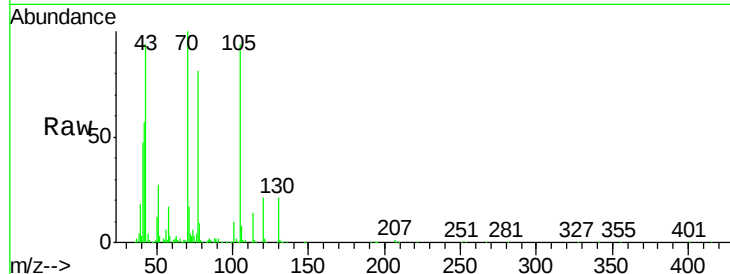
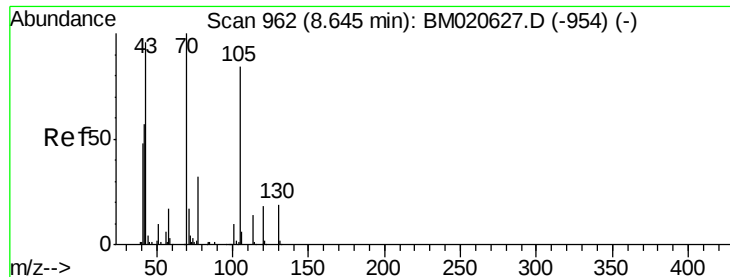
mohammad  
6/6/2019 11:21:33 AM



#18  
Hexachloroethane  
Concen: 37.470 ng  
RT: 8.89 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 97.3  | 78.2 | 117.4 |       |
| 201     | 102.5 | 83.0 | 124.4 |       |





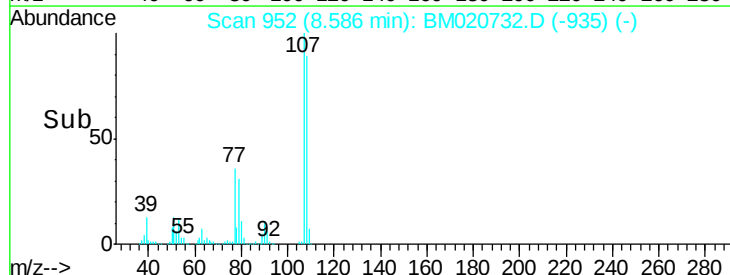
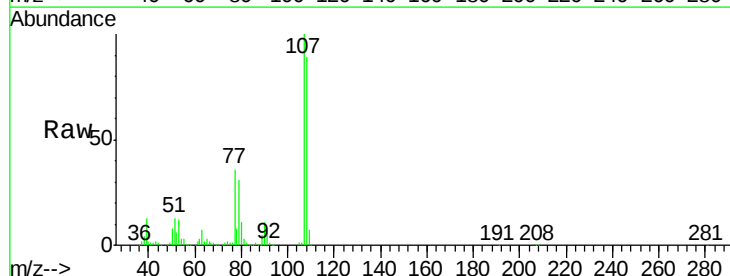
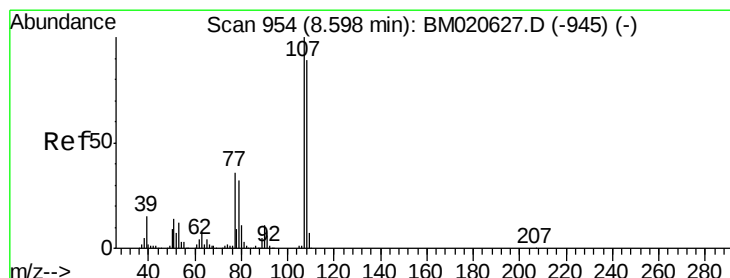
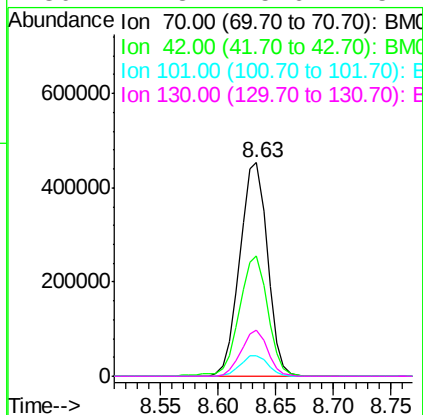
#19  
n-Nitroso-di-n-propylamine  
Concen: 34.397 ng  
RT: 8.63 min Scan# 960  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

Manual Integrations  
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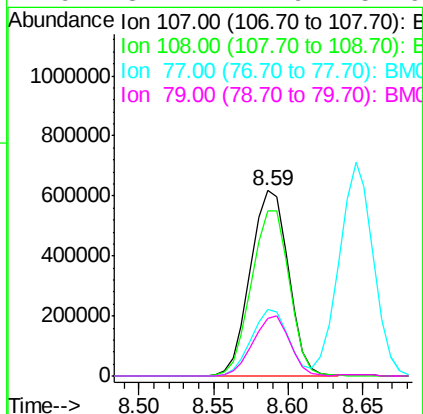
mohammad  
6/6/2019 11:21:33 AM

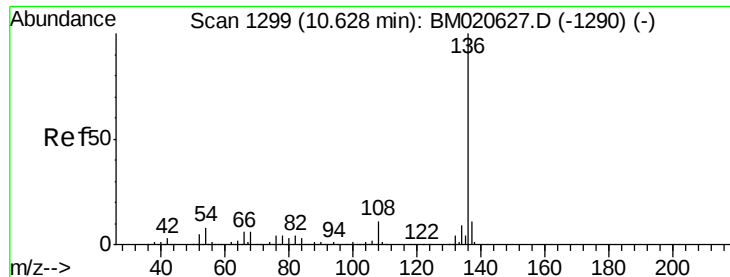
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 56.5 | 44.2  | 66.2  |       |
| 101     | 9.6  | 7.2   | 10.8  |       |
| 130     | 21.3 | 15.6  | 23.4  |       |



#20  
3+4-Methylphenols  
Concen: 38.710 ng  
RT: 8.59 min Scan# 952  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 88.8 | 70.3  | 110.3 |       |
| 77      | 35.6 | 15.5  | 55.5  |       |
| 79      | 31.4 | 11.9  | 51.9  |       |





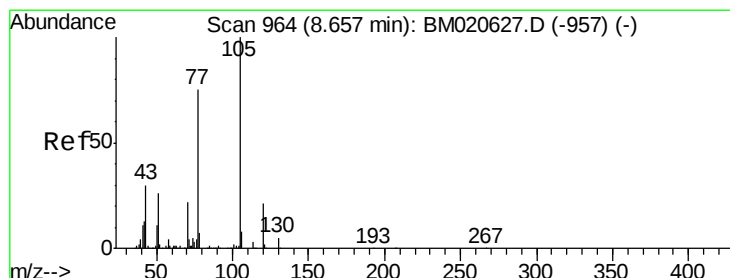
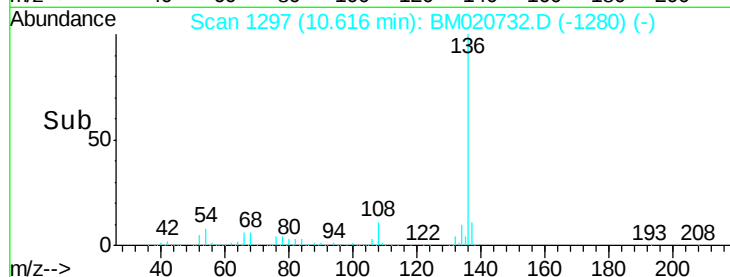
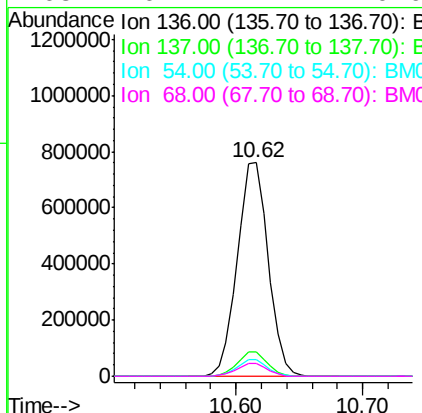
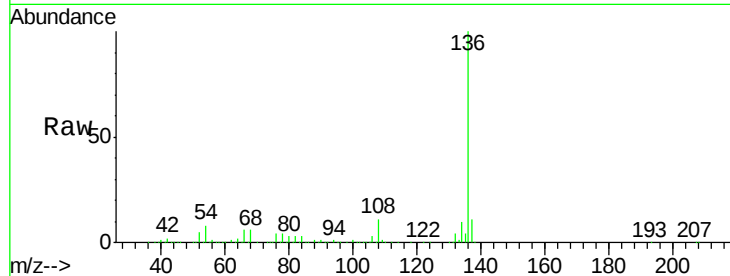
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.62 min Scan# 1297  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.1  | 8.7   | 13.1  |
| 54      | 7.5   | 6.0   | 9.0   |
| 68      | 6.1   | 4.4   | 6.6   |

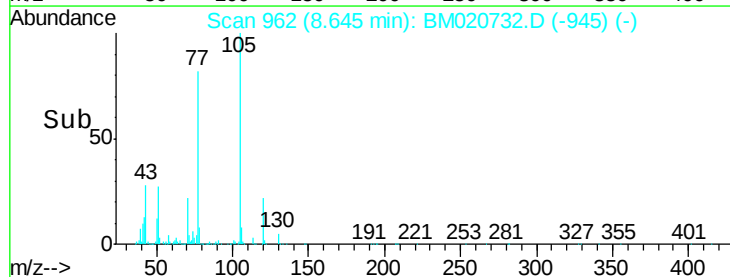
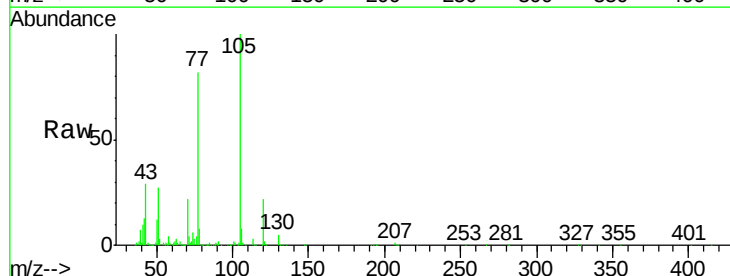
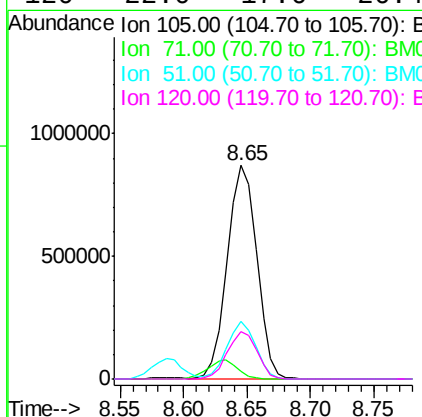
Manual Integrations  
APPROVED

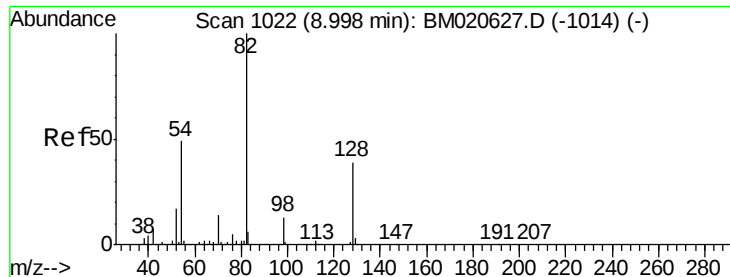
mohammad  
6/6/2019 11:21:33 AM



#22  
Acetophenone  
Concen: 42.959 ng  
RT: 8.65 min Scan# 962  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 3.5   | 1.8   | 2.8#  |
| 51      | 26.8  | 20.9  | 31.3  |
| 120     | 22.0  | 17.6  | 26.4  |





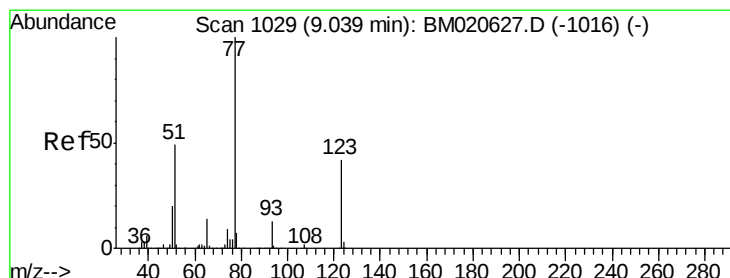
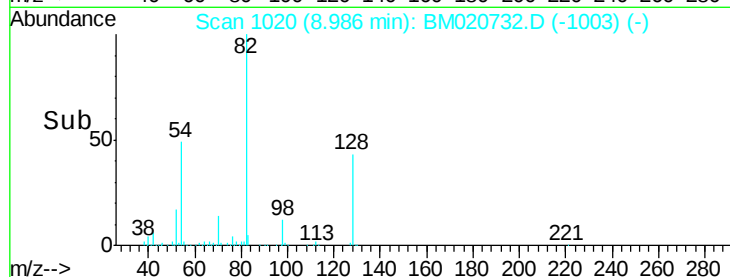
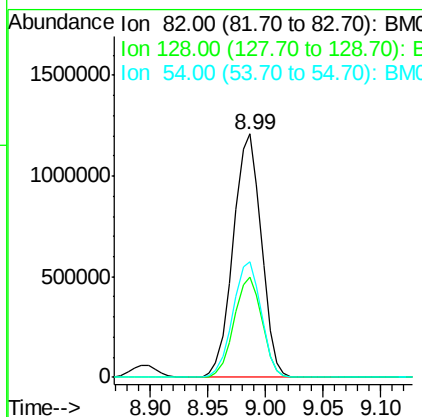
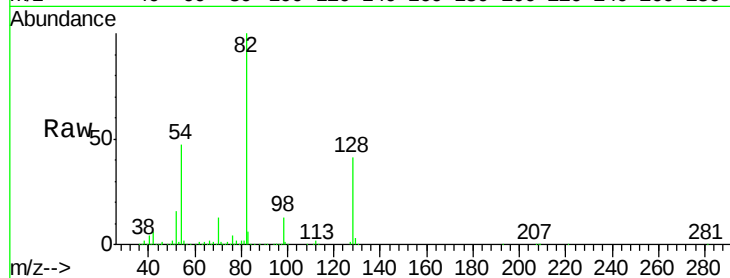
#23  
 Nitrobenzene-d5  
 Concen: 82.319 ng  
 RT: 8.99 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.4  | 33.2  | 49.8  |
| 54      | 47.2  | 37.7  | 56.5  |

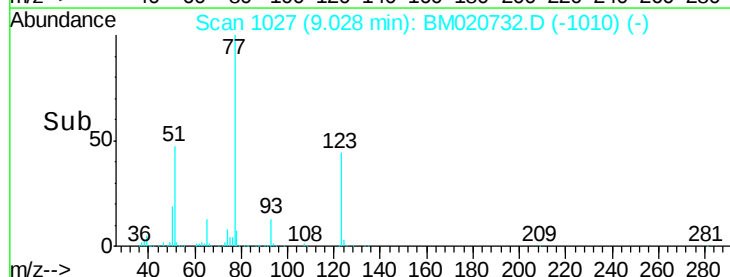
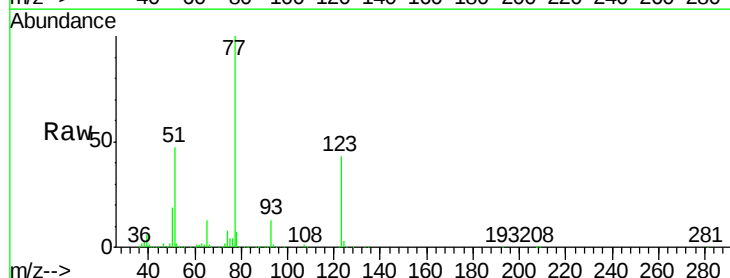
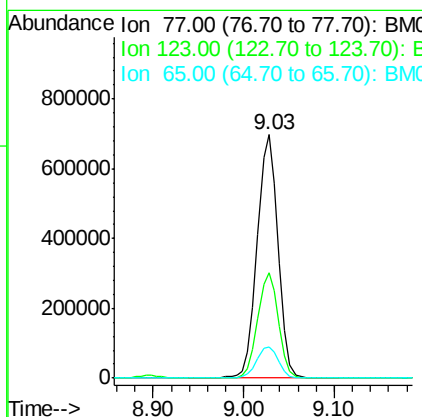
Manual Integrations  
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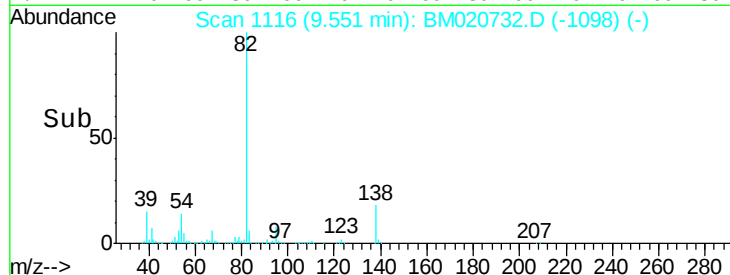
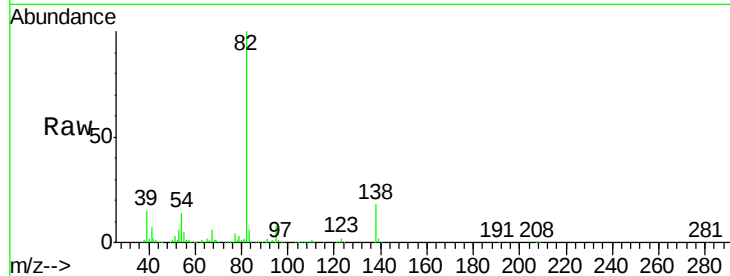
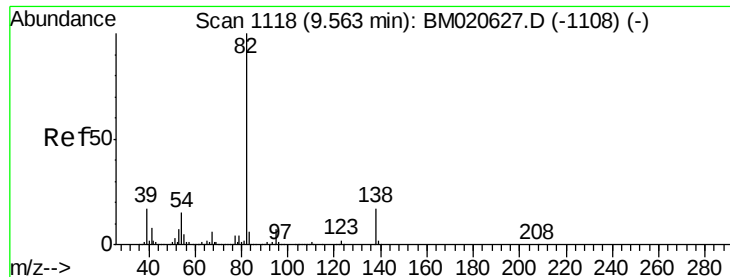
mohammad  
 6/6/2019 11:21:33 AM



#24  
 Nitrobenzene  
 Concen: 43.718 ng  
 RT: 9.03 min Scan# 1027  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 43.5  | 35.8  | 53.8  |
| 65      | 13.1  | 10.9  | 16.3  |





#25

Isophorone

Concen: 39.774 ng

RT: 9.55 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 82    | Resp: | 1964103 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 95       | 7.6   | 5.8   | 8.6     |
| 138      | 17.5  | 14.5  | 21.7    |

Instrument :

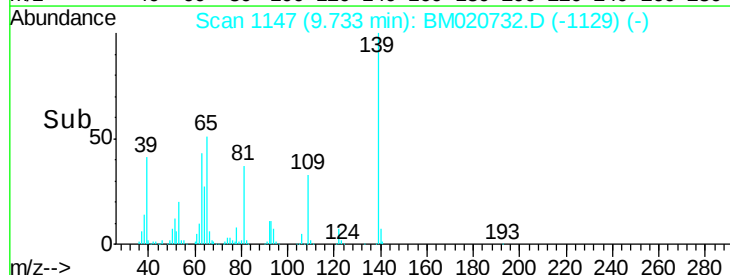
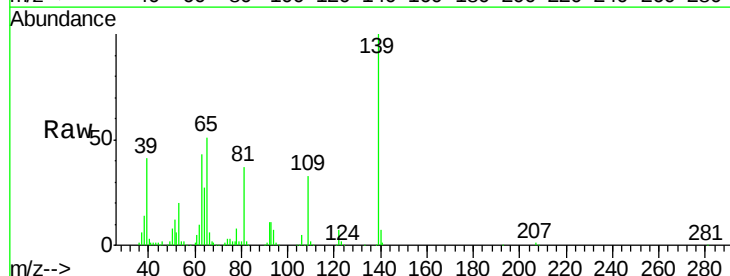
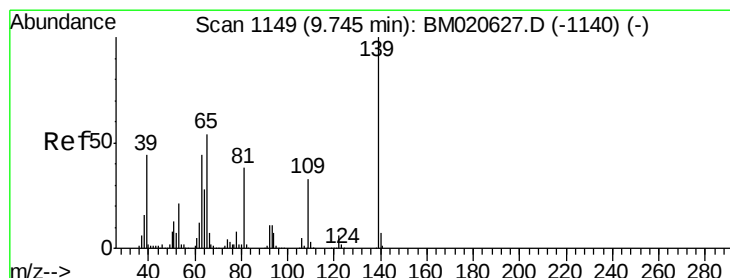
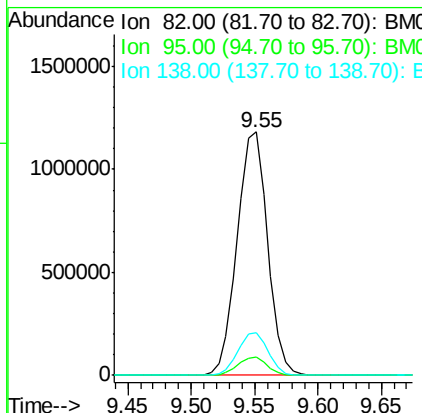
BNA\_M

ClientSampleId :

PB120049BS

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#26

2-Nitrophenol

Concen: 50.275 ng

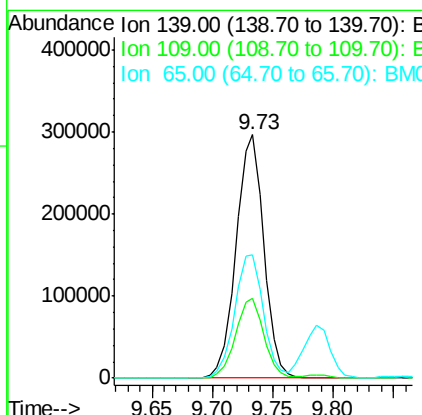
RT: 9.73 min Scan# 1147

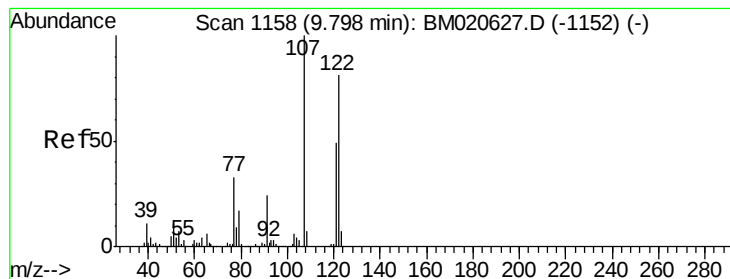
Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 474862 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 32.6  | 26.8  | 40.2   |
| 65       | 50.7  | 42.6  | 63.8   |





#27

2,4-Dimethylphenol

Concen: 50.045 ng

RT: 9.79 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

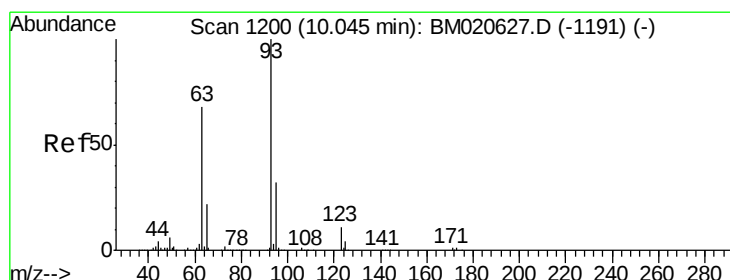
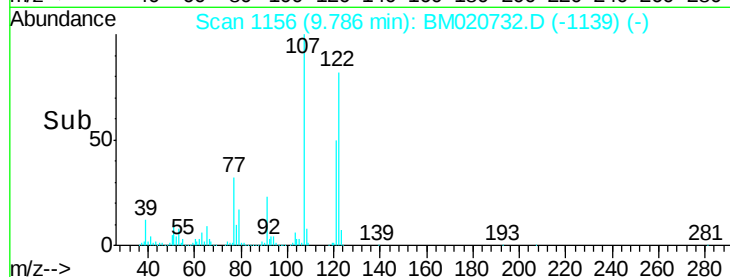
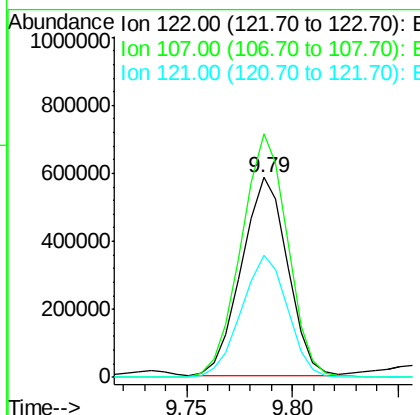
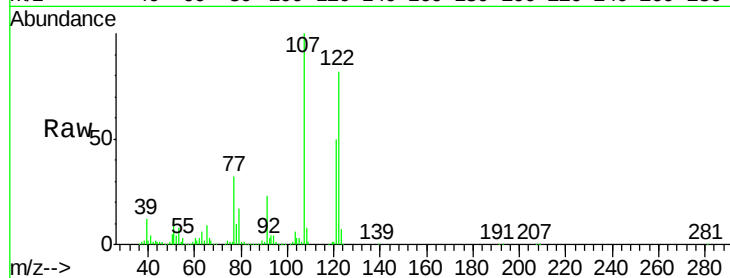
ClientSampleId :

PB120049BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 885733 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 121.8 | 97.8  | 146.6  |
| 121       | 61.2  | 48.5  | 72.7   |

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#28

bis(2-Chloroethoxy)methane

Concen: 40.727 ng

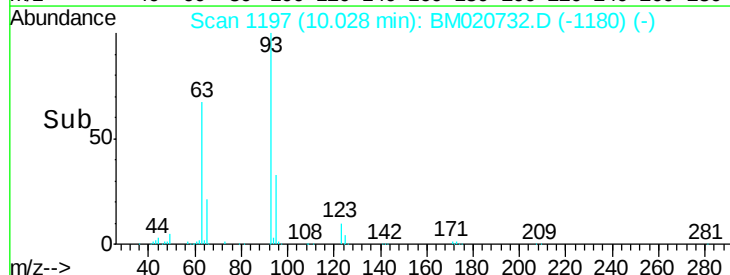
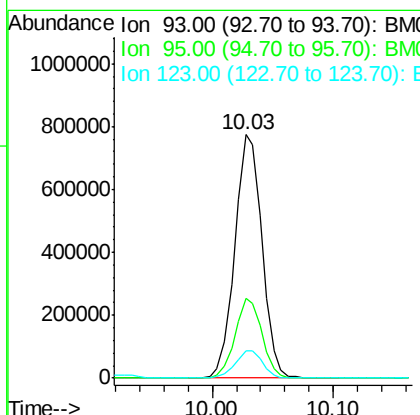
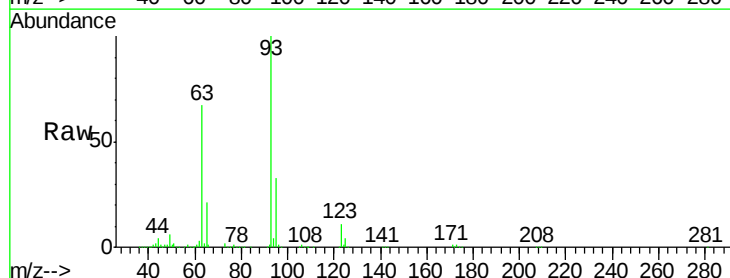
RT: 10.03 min Scan# 1197

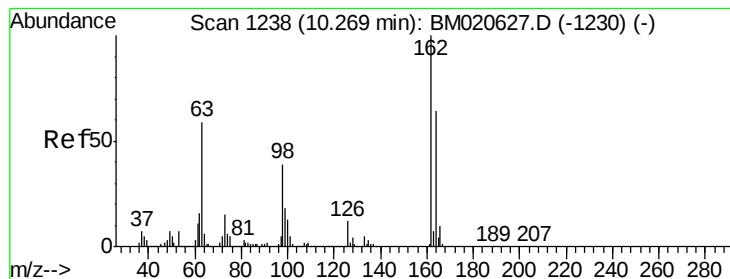
Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 93    | Resp: | 1216028 |
| Ion Ratio | Lower | Upper |         |
| 93        | 100   |       |         |
| 95        | 32.6  | 25.4  | 38.0    |
| 123       | 11.0  | 8.8   | 13.2    |





#29

2,4-Dichlorophenol

Concen: 46.375 ng

RT: 10.26 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

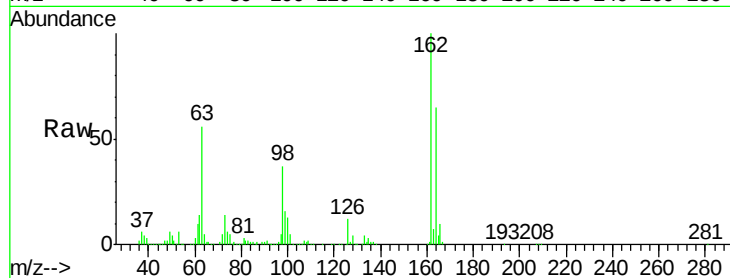
ClientSampleId :

PB120049BS

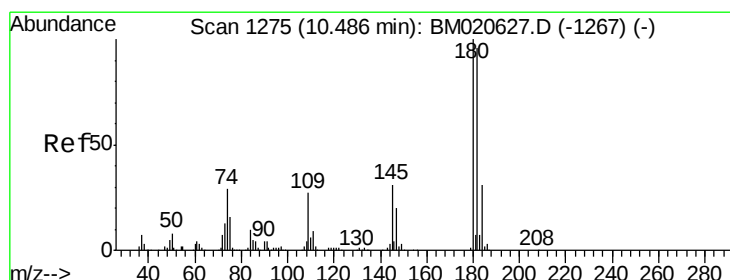
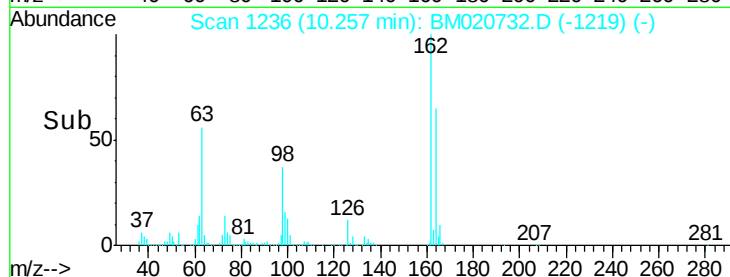
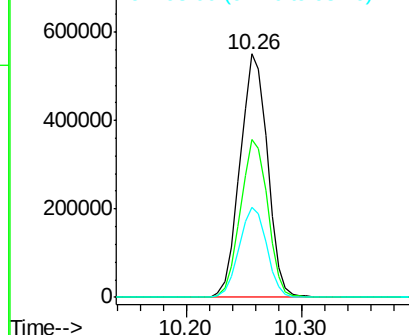
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 908097 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.6  | 45.5  | 85.5   |
| 98        | 37.0  | 16.7  | 56.7   |

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Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 44.328 ng

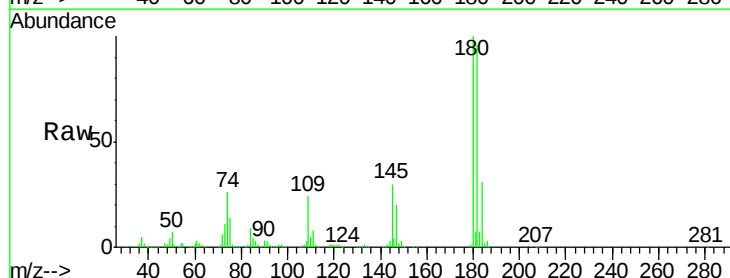
RT: 10.47 min Scan# 1273

Delta R.T. -0.00 min

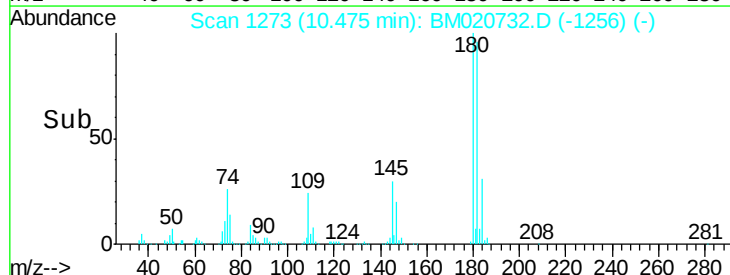
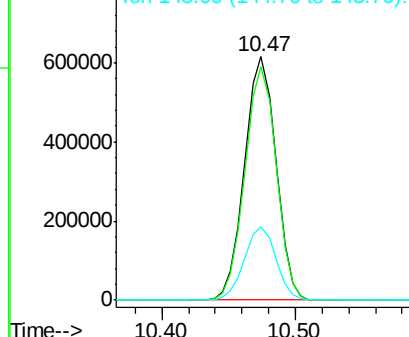
Lab File: BM020732.D

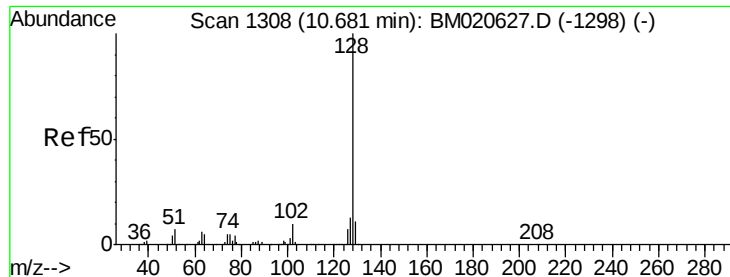
Acq: 05 Jun 2019 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 998080 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 77.8  | 116.8  |
| 145       | 30.3  | 24.3  | 36.5   |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





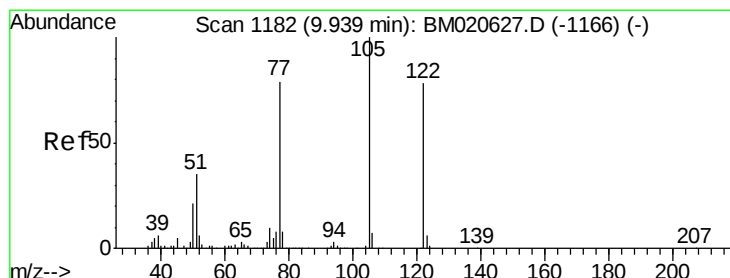
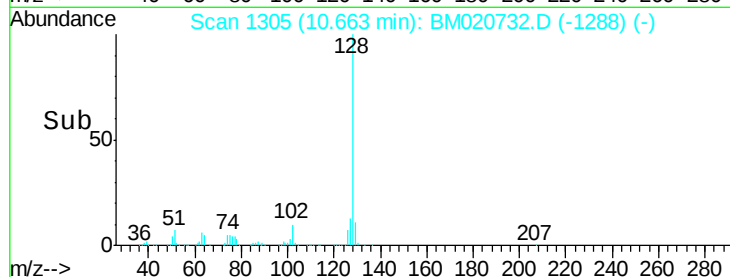
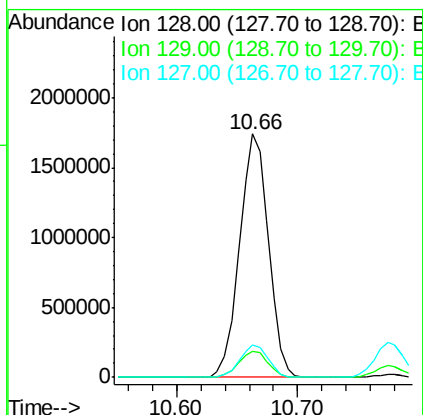
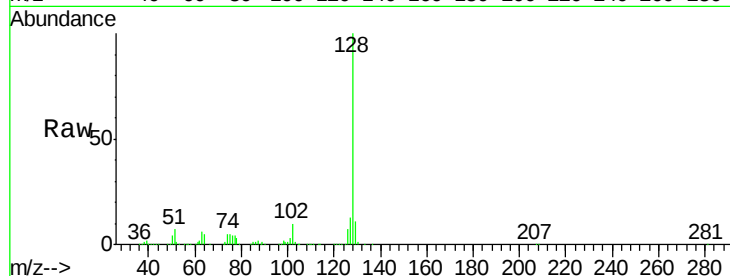
#31  
Naphthalene  
Concen: 43.799 ng  
RT: 10.66 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 9.0   | 13.4  |
| 127     | 13.2  | 10.5  | 15.7  |

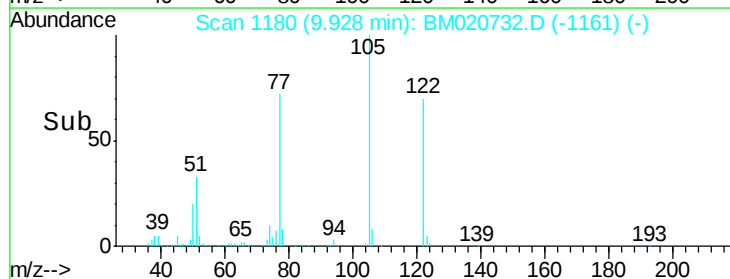
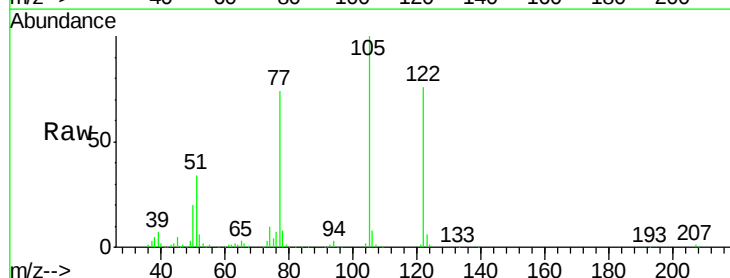
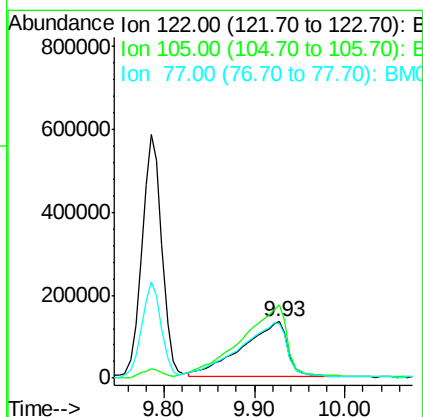
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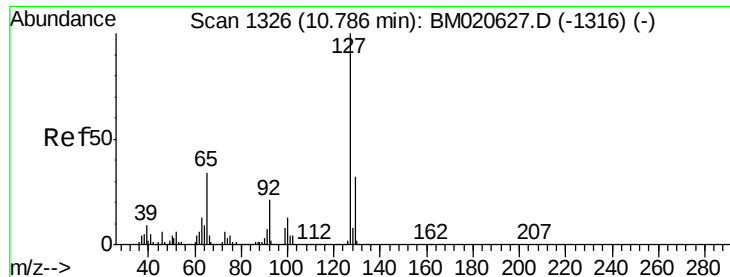
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#32  
Benzoic acid  
Concen: 42.436 ng  
RT: 9.93 min Scan# 1180  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.1 | 108.0 | 148.0 |
| 77      | 97.1  | 82.2  | 122.2 |





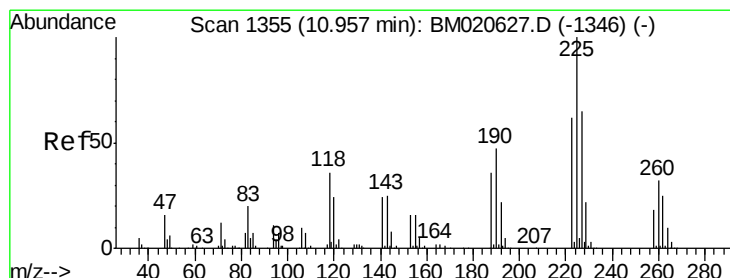
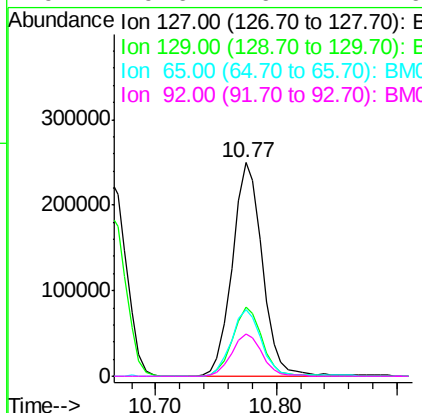
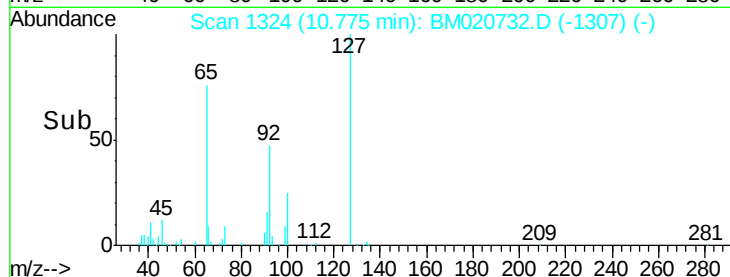
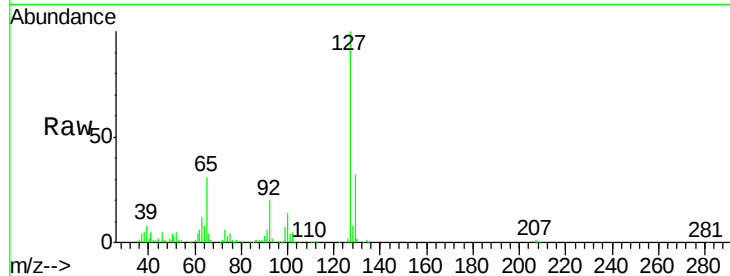
#33  
4-Chloroaniline  
Concen: 14.106 ng  
RT: 10.77 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.5 | 25.4  | 38.2 |       |       |
| 65      | 31.3 | 25.3  | 37.9 |       |       |
| 92      | 19.6 | 16.4  | 24.6 |       |       |

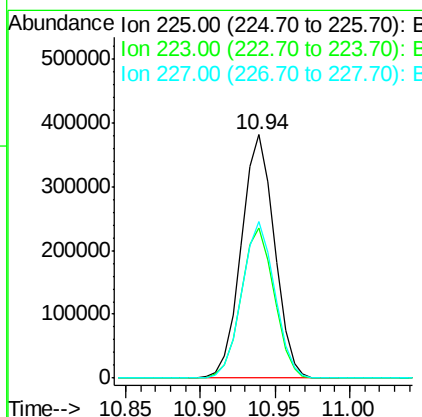
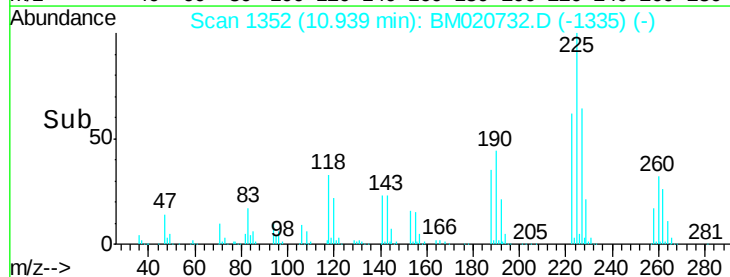
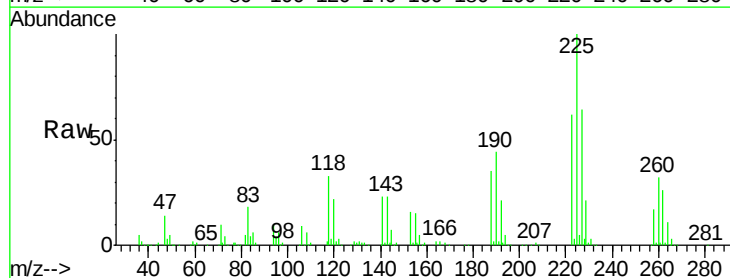
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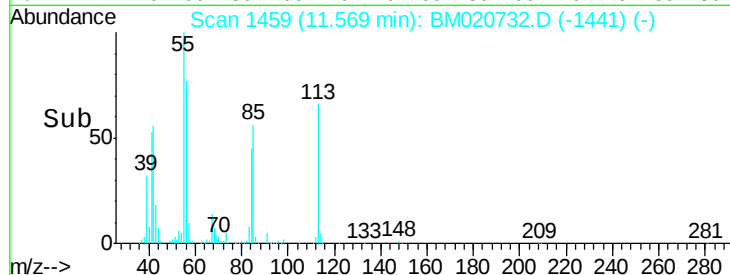
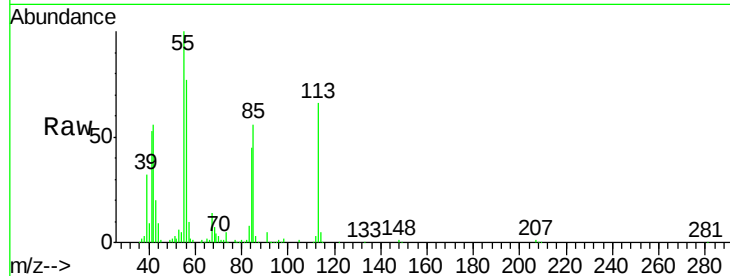
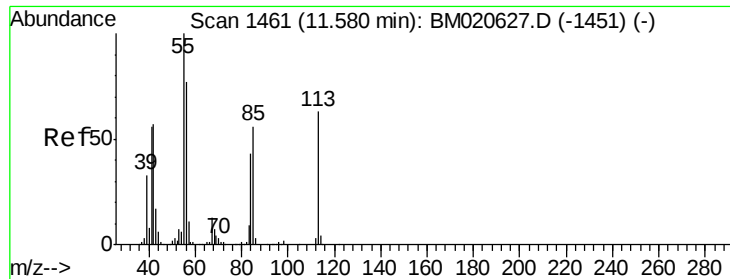
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#34  
Hexachlorobutadiene  
Concen: 43.339 ng  
RT: 10.94 min Scan# 1352  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.7 | 49.6  | 74.4 |       |       |
| 227     | 64.2 | 51.0  | 76.4 |       |       |





#35

Caprolactam

Concen: 36.161 ng/ml

RT: 11.57 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:113 Resp: 245992

Ion Ratio Lower Upper

113 100

55 151.6 141.1 181.1

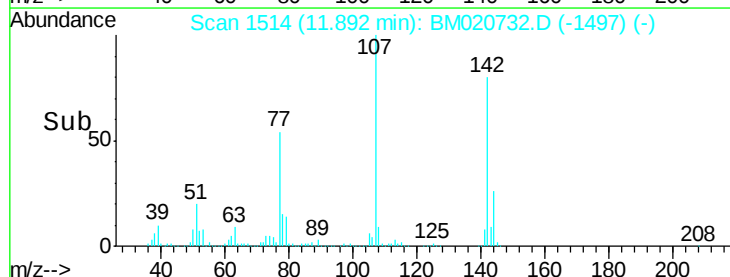
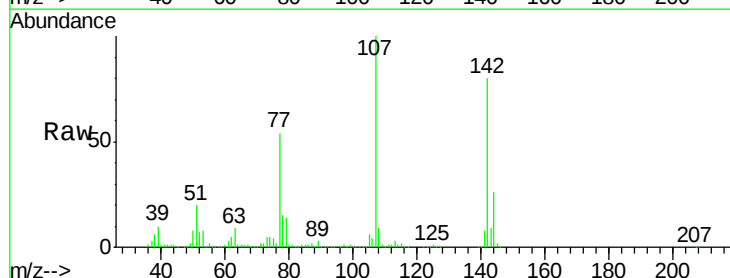
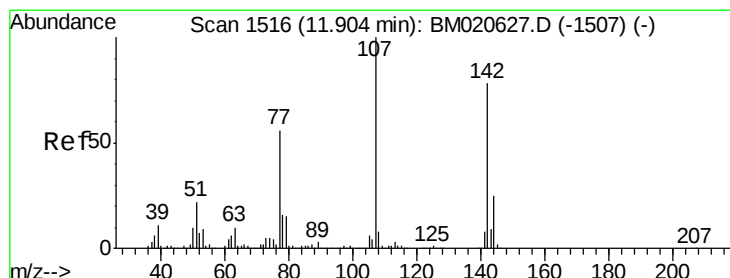
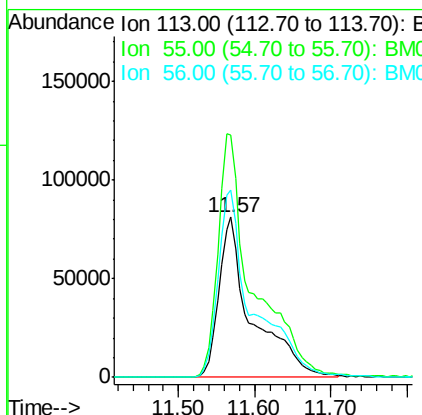
56 117.0 105.0 145.0

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#36

4-Chloro-3-methylphenol

Concen: 40.347 ng/ml

RT: 11.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

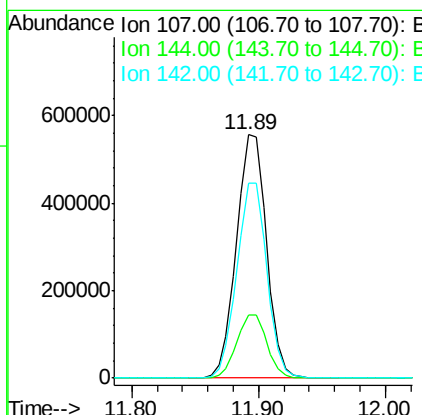
Tgt Ion:107 Resp: 918572

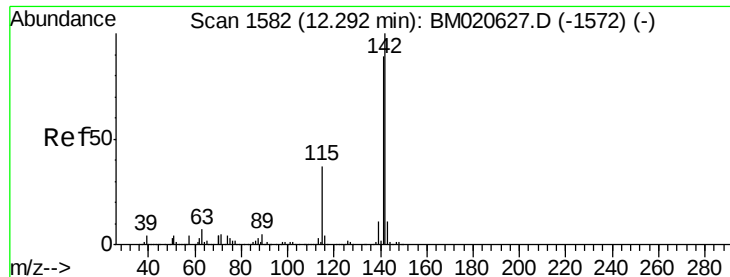
Ion Ratio Lower Upper

107 100

144 26.0 20.6 31.0

142 80.1 63.3 94.9





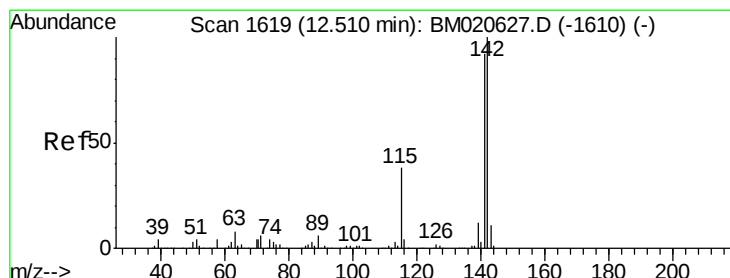
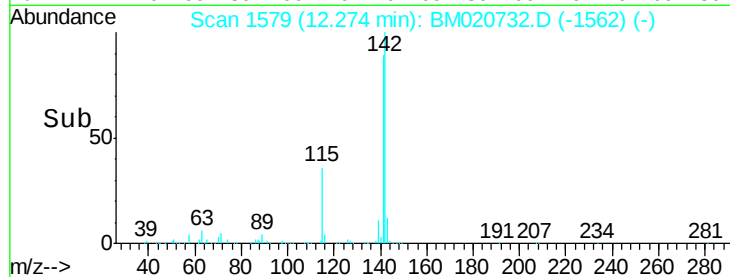
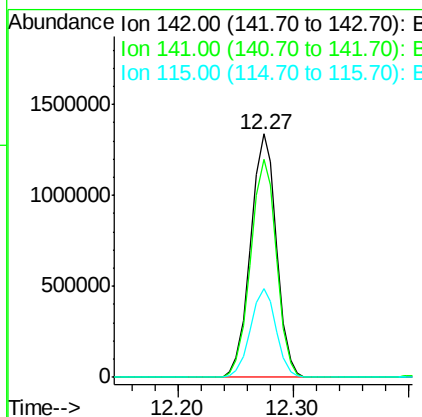
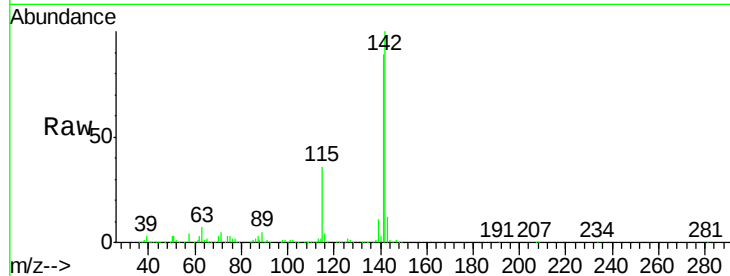
#37  
2-Methylnaphthalene  
Concen: 42.568 ng  
RT: 12.27 min Scan# 1579  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 71.4  | 107.0 |
| 115     | 36.3  | 28.2  | 42.4  |

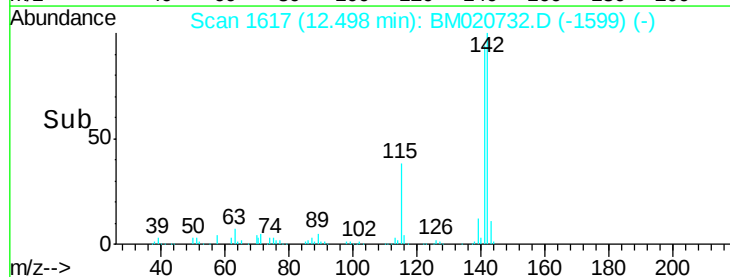
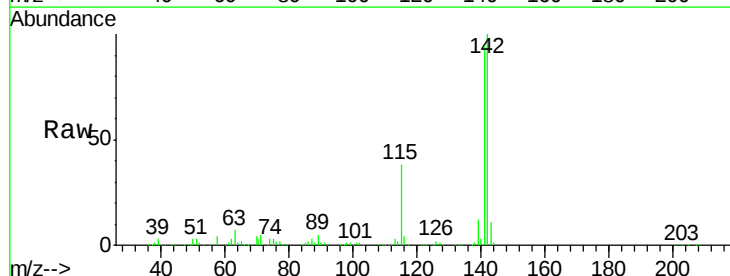
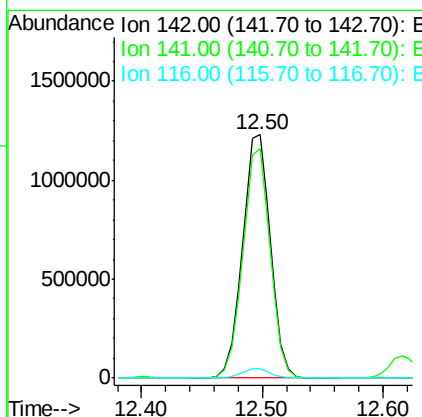
Manual Integrations  
APPROVED

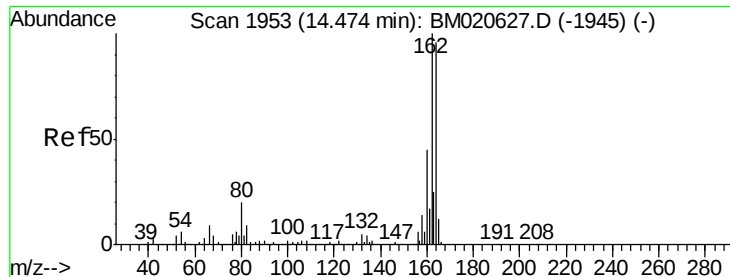
mohammad  
6/6/2019 11:21:33 AM



#38  
1-Methylnaphthalene  
Concen: 42.348 ng  
RT: 12.50 min Scan# 1617  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.2  | 74.1  | 111.1 |
| 116     | 3.9   | 3.2   | 4.8   |





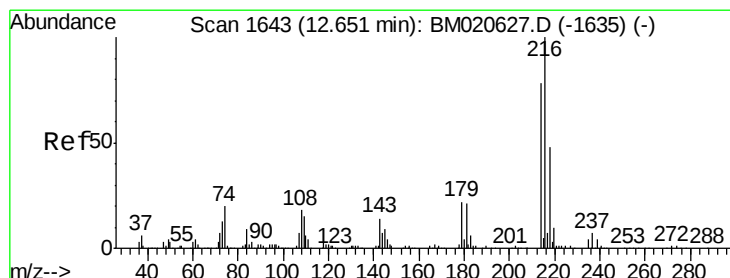
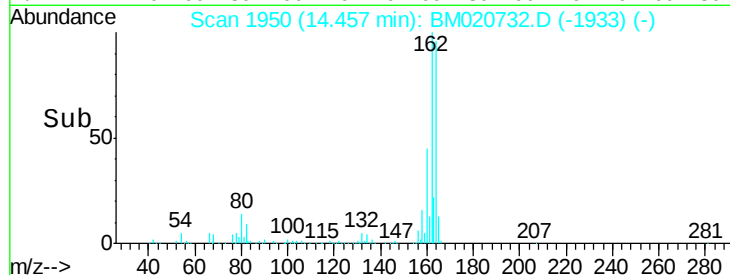
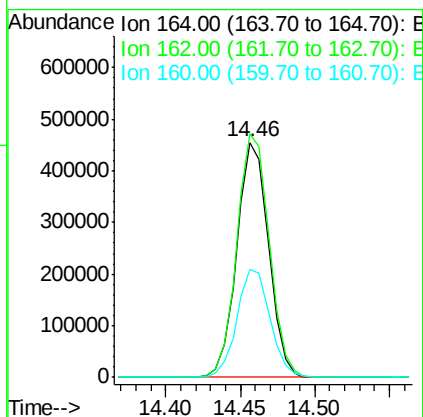
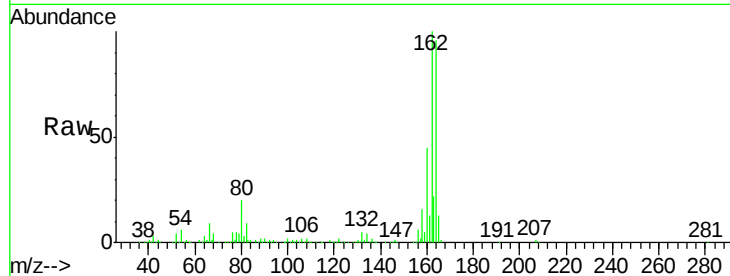
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.46 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 83.5  | 125.3 |
| 160     | 46.2  | 37.2  | 55.8  |

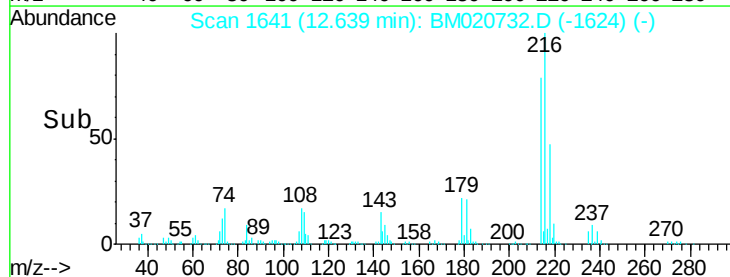
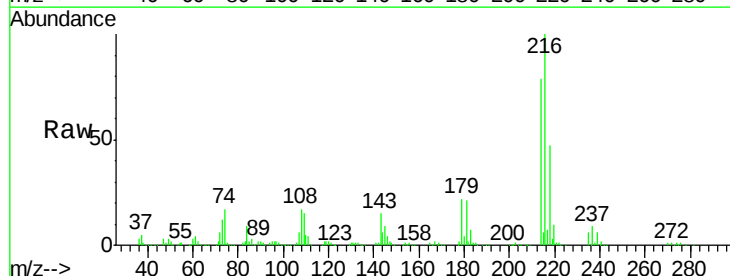
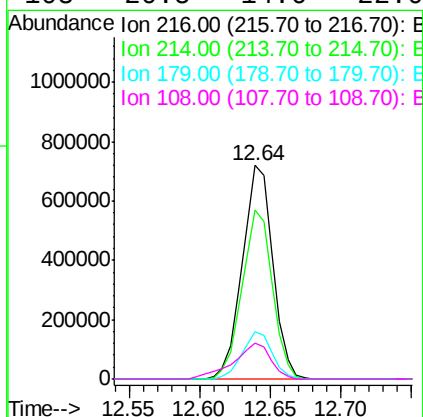
Manual Integrations  
APPROVED

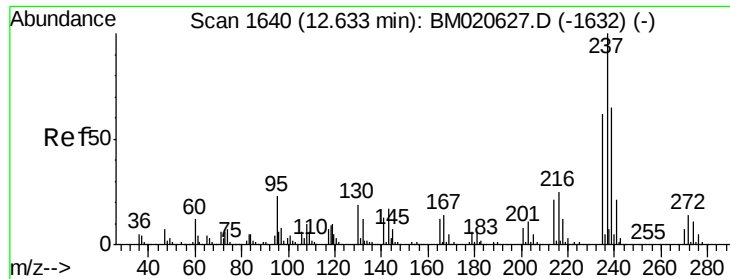
mohammad  
6/6/2019 11:21:33 AM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 49.472 ng  
RT: 12.64 min Scan# 1641  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.6  | 63.1  | 94.7  |
| 179     | 21.7  | 17.3  | 25.9  |
| 108     | 20.5  | 14.6  | 22.0  |





#41

Hexachlorocyclopentadiene

Concen: 105.414 ng

RT: 12.62 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:237 Resp: 1388758

Ion Ratio Lower Upper

237 100

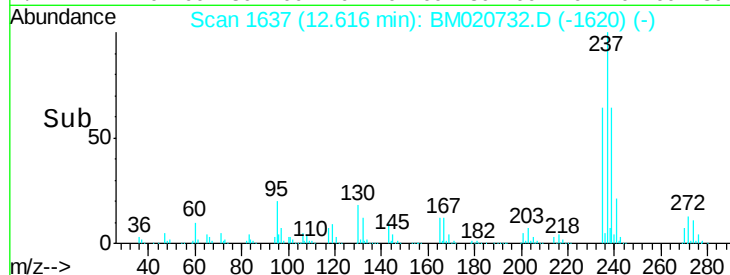
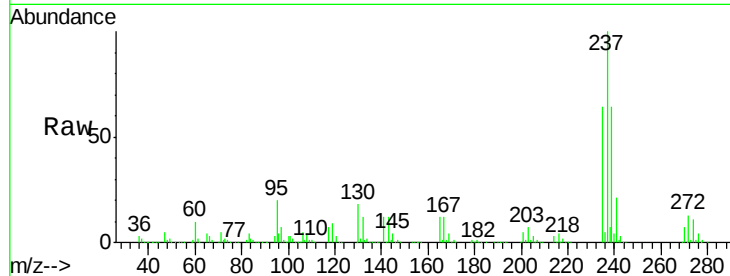
235 63.7 41.7 81.7

272 13.2 0.0 33.0

Manual Integrations  
APPROVED

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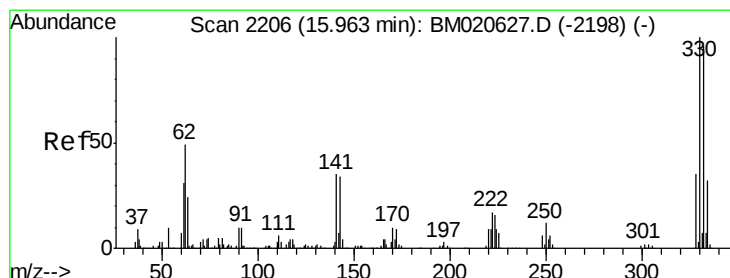
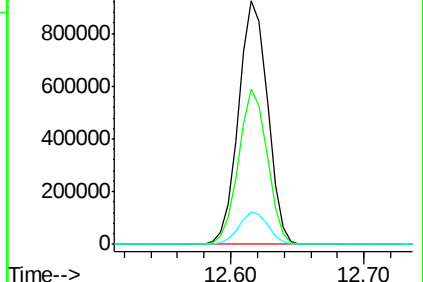
6/6/2019 11:21:33 AM



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: 135.836 ng

RT: 15.95 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

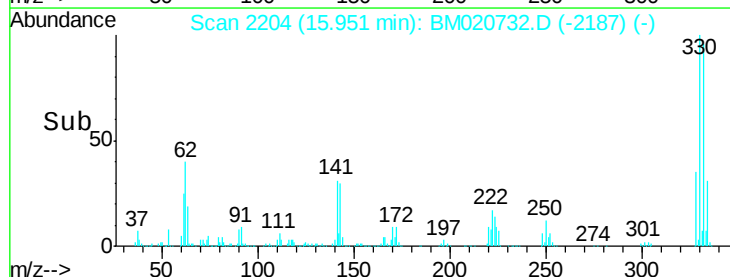
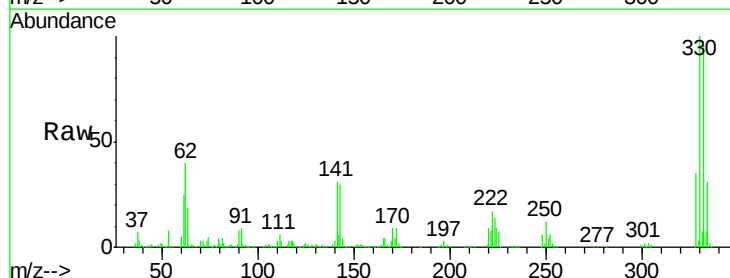
Tgt Ion:330 Resp: 1131280

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.4

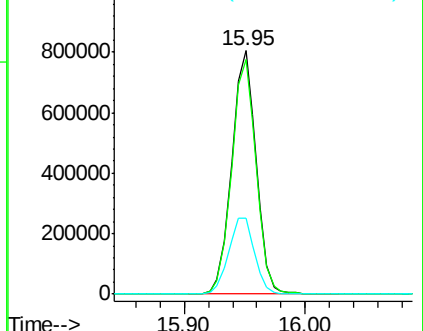
141 33.6 27.7 41.5

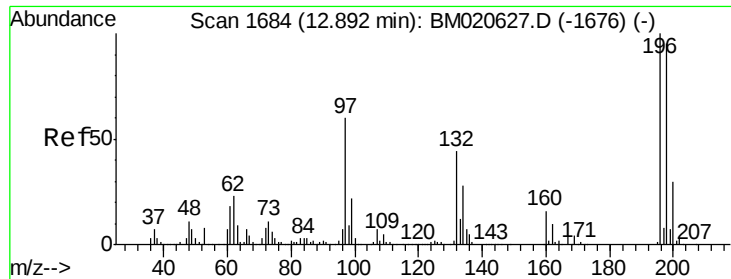


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





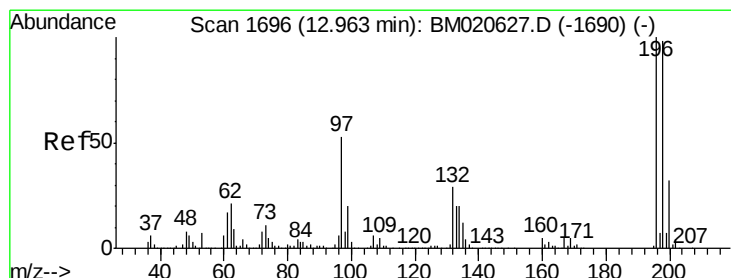
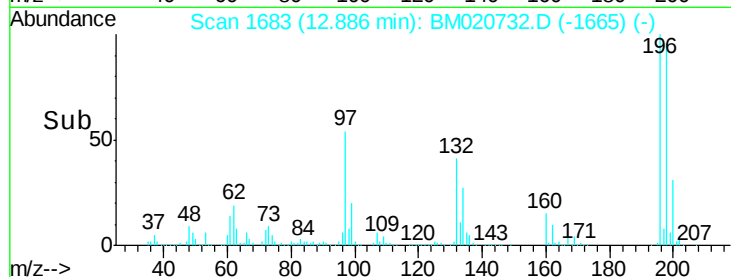
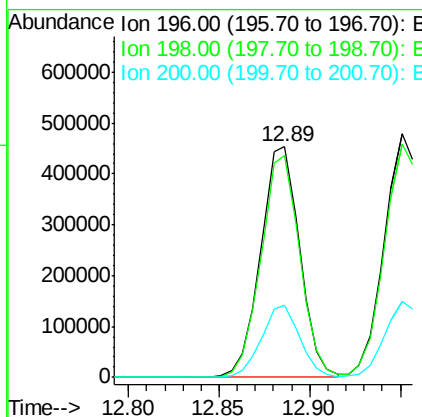
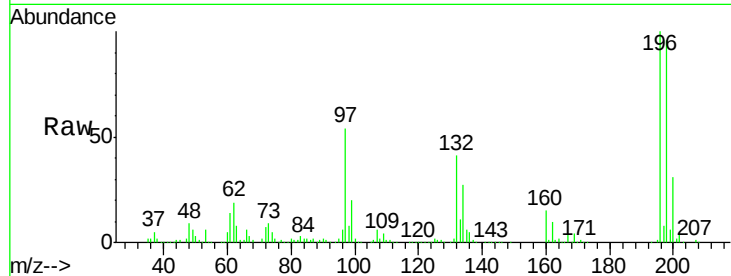
#43  
 2,4,6-Trichlorophenol  
 Concen: 48.019 ng  
 RT: 12.89 min Scan# 1683  
 Delta R.T. 0.01 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120049BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 680859 |       |       |
| 198     | 96.4  | 76.4   | 114.6 |       |
| 200     | 31.2  | 24.6   | 37.0  |       |

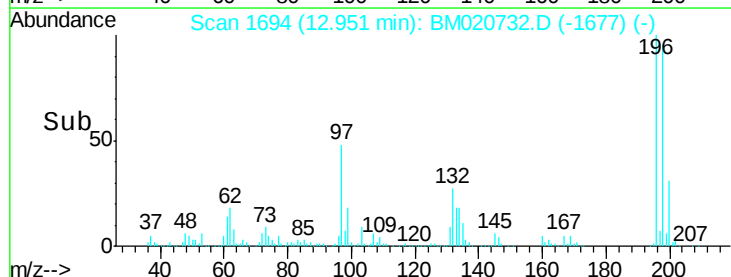
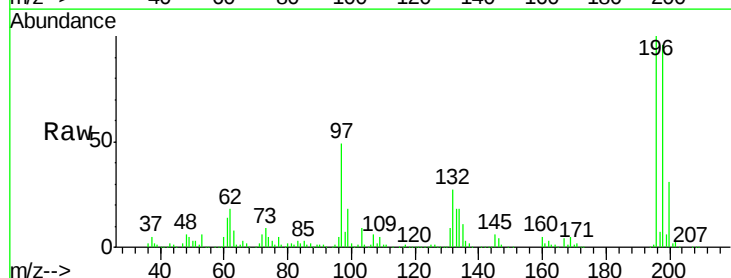
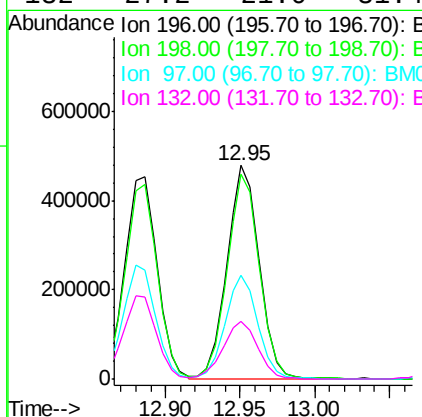
Manual Integrations  
 APPROVED

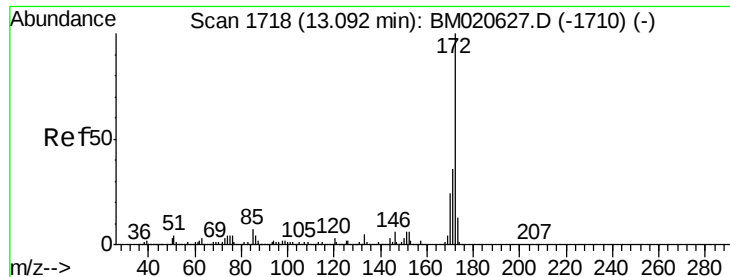
mohammad  
 6/6/2019 11:21:33 AM



#44  
 2,4,5-Trichlorophenol  
 Concen: 49.047 ng  
 RT: 12.95 min Scan# 1694  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 717971 |       |       |
| 198     | 95.7  | 76.0   | 114.0 |       |
| 97      | 48.6  | 39.8   | 59.8  |       |
| 132     | 27.2  | 21.0   | 31.4  |       |





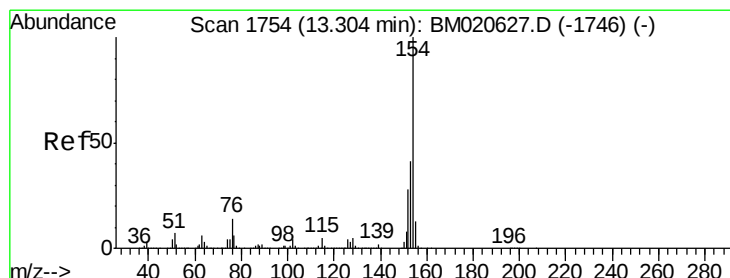
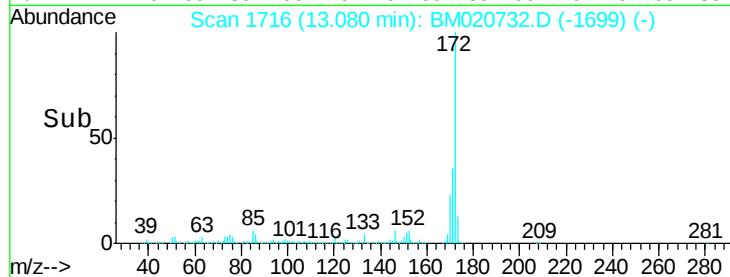
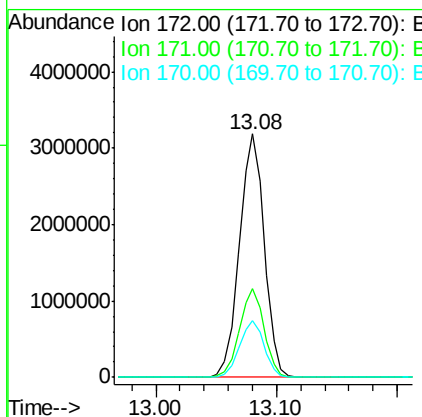
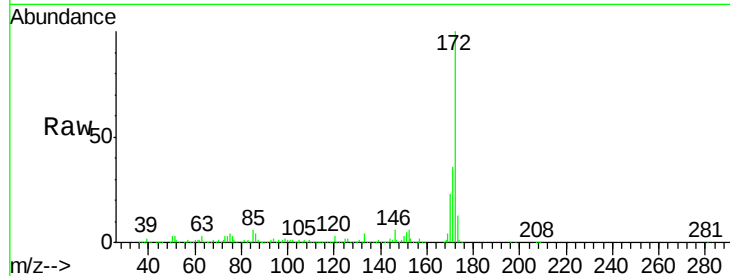
#45  
2-Fluorobiphenyl  
Concen: 90.229 ng  
RT: 13.08 min Scan# 1716  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

Tot Ion:172 Resp: 4562057  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.8 43.2  
170 23.5 18.5 27.7

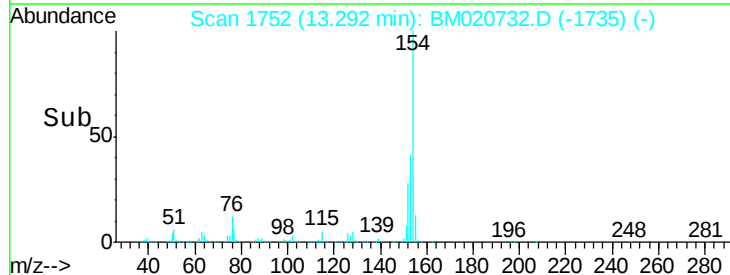
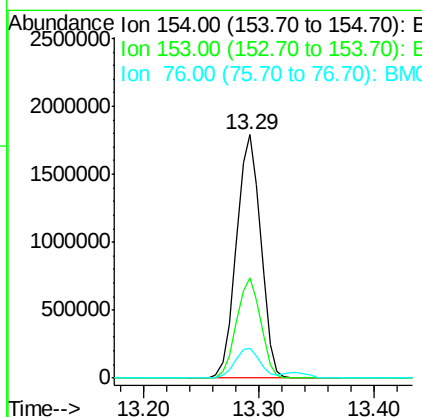
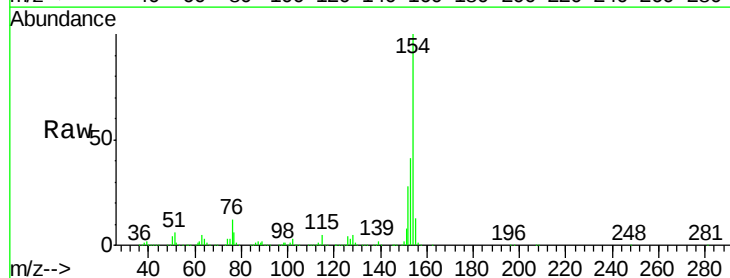
Manual Integrations  
APPROVED

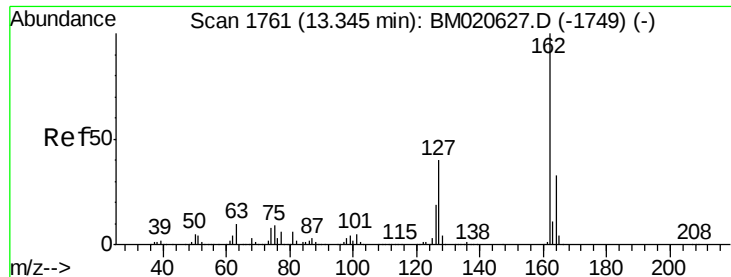
mohammad  
6/6/2019 11:21:33 AM



#46  
1,1'-Biphenyl  
Concen: 46.361 ng  
RT: 13.29 min Scan# 1752  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Tgt Ion:154 Resp: 2602626  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.7 60.7  
76 12.4 0.0 32.5





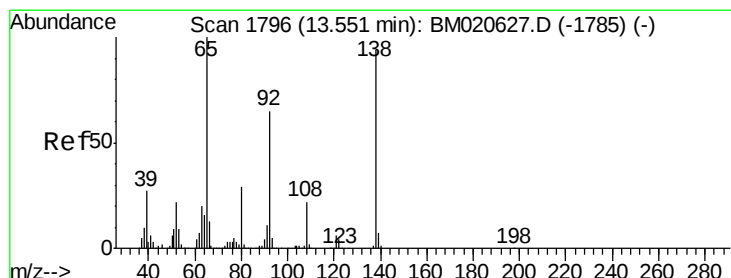
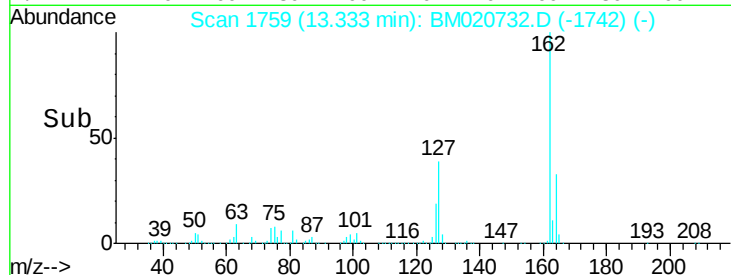
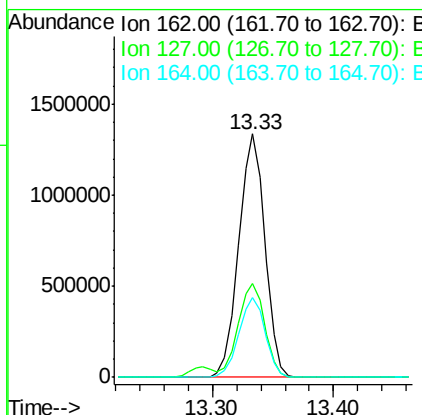
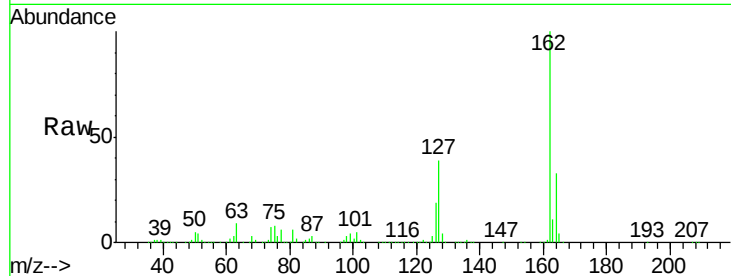
#47  
2-Chloronaphthalene  
Concen: 44.566 ng  
RT: 13.33 min Scan# 1759  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 162     | 100  |       |       |       |
| 127     | 38.8 | 31.1  | 46.7  |       |
| 164     | 32.8 | 26.1  | 39.1  |       |

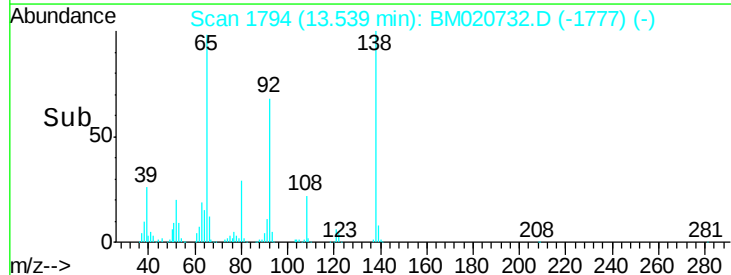
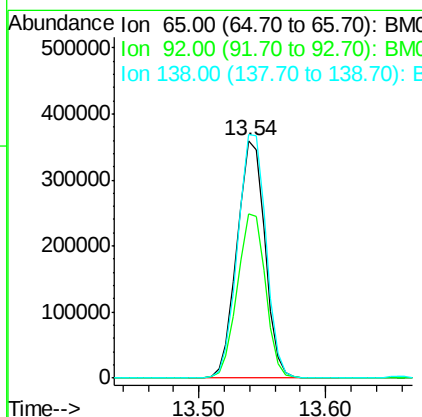
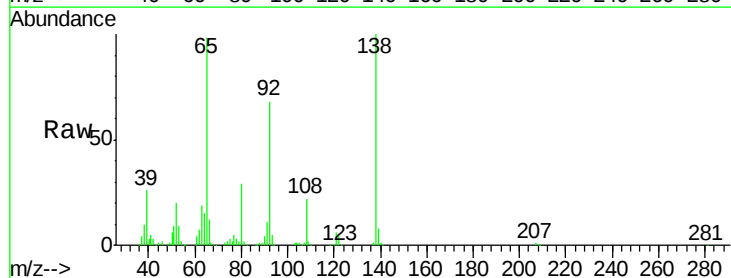
Manual Integrations  
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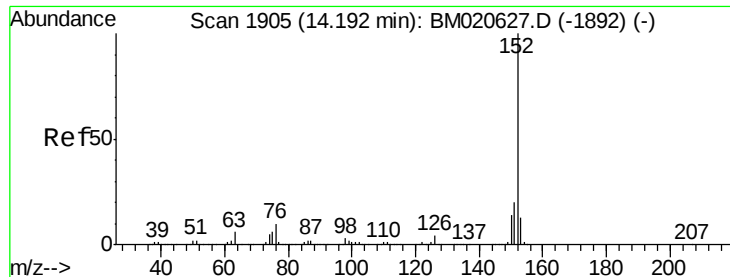
mohammad  
6/6/2019 11:21:33 AM



#48  
2-Nitroaniline  
Concen: 38.653 ng  
RT: 13.54 min Scan# 1794  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   |       |       |       |
| 92      | 69.3  | 55.2  | 82.8  |       |
| 138     | 102.4 | 82.6  | 124.0 |       |





#49

Acenaphthylene

Concen: 44.382 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:152 Resp: 3137623

Ion Ratio Lower Upper

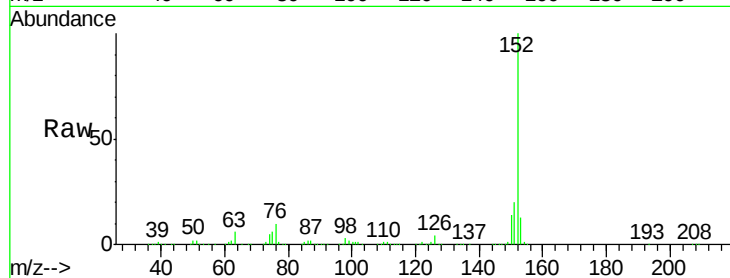
152 100

151 19.9 16.2 24.2

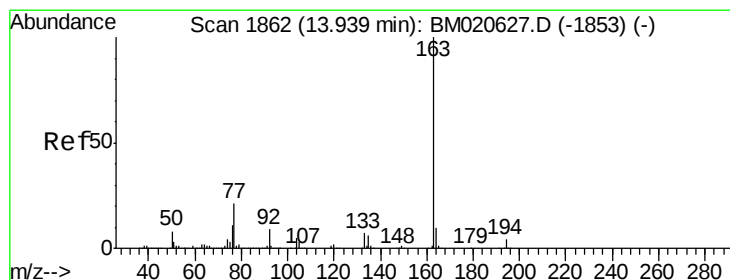
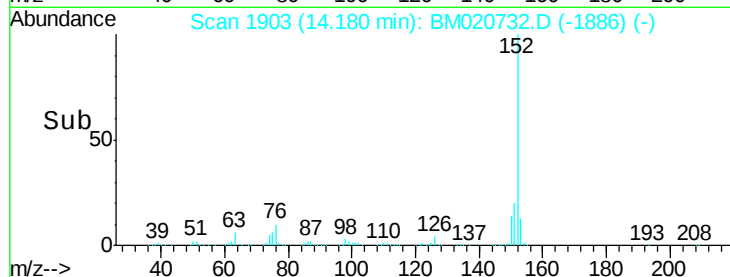
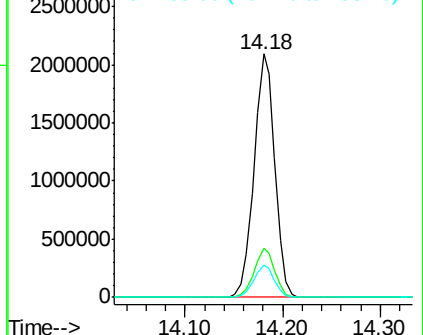
153 13.2 10.6 15.8

Manual Integrations  
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.239 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

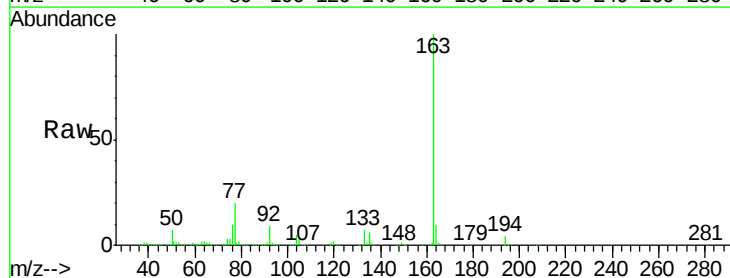
Tgt Ion:163 Resp: 2368244

Ion Ratio Lower Upper

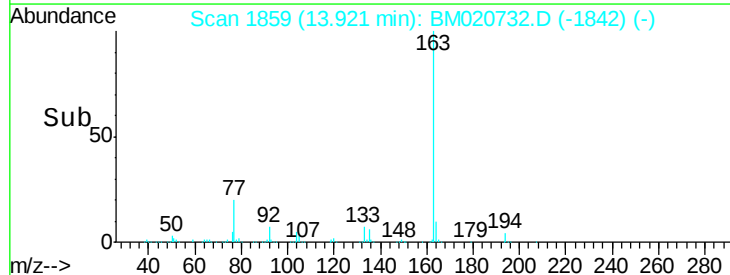
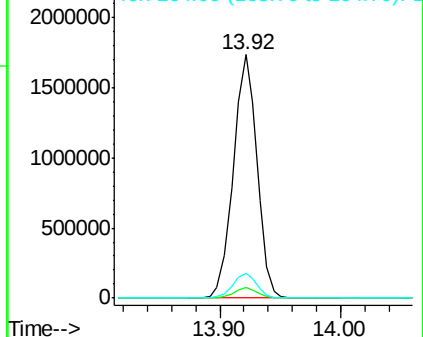
163 100

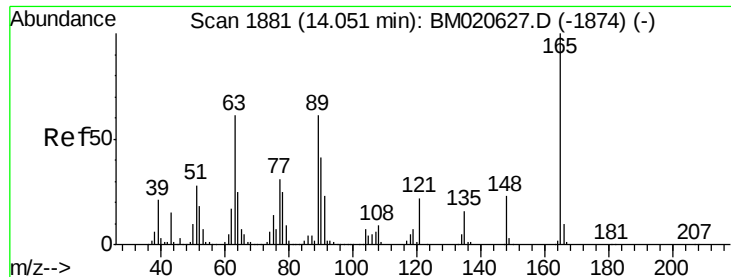
194 4.1 3.2 4.8

164 10.1 8.2 12.4



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





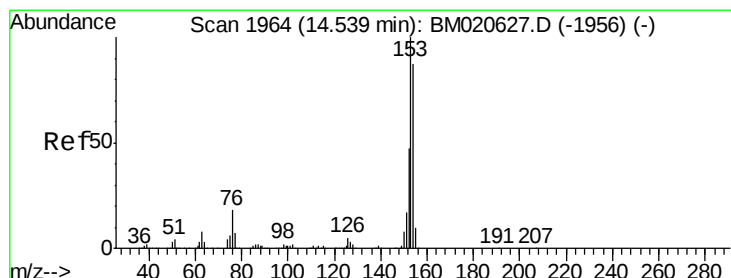
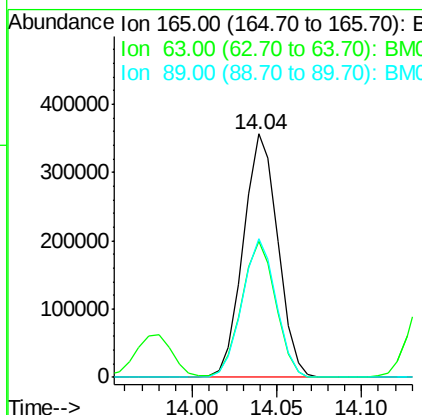
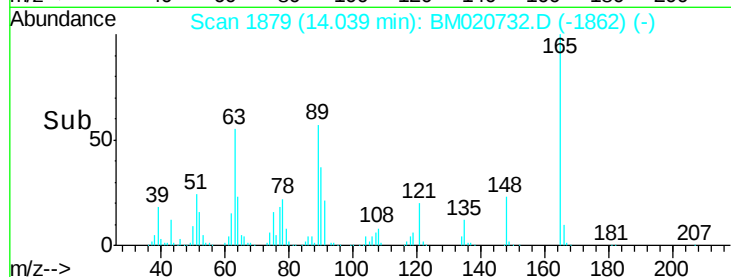
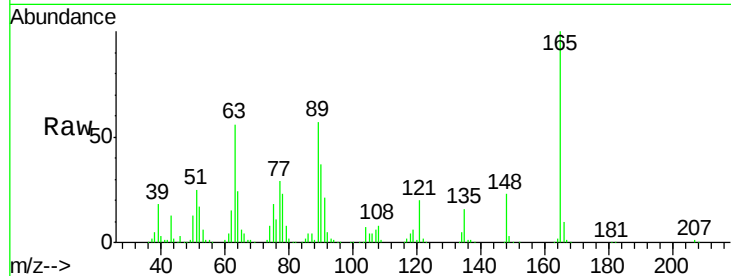
#51  
2,6-Dinitrotoluene  
Concen: 43.522 ng  
RT: 14.04 min Scan# 1879  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 507494 |       |       |
| 63      | 56.1  | 45.0   | 67.6  |       |
| 89      | 56.9  | 43.5   | 65.3  |       |

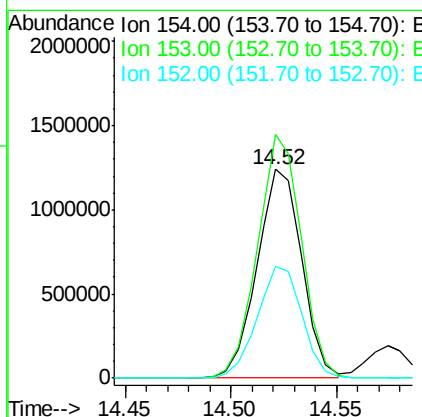
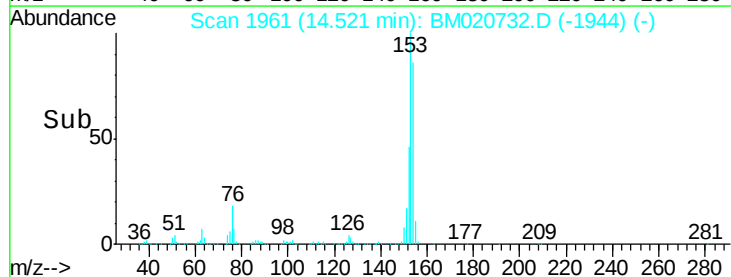
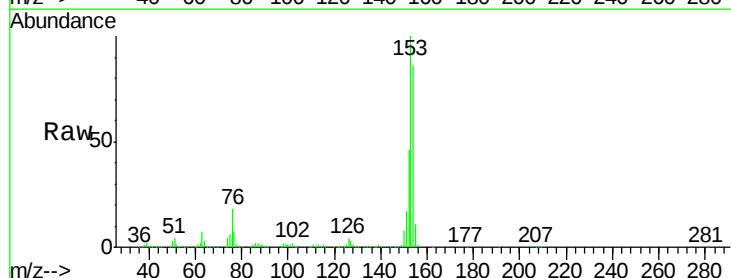
Manual Integrations  
APPROVED

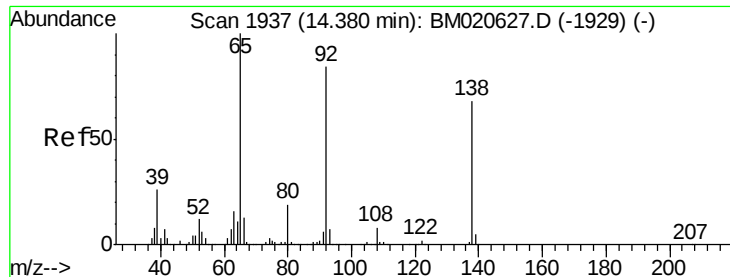
mohammad  
6/6/2019 11:21:33 AM



#52  
Acenaphthene  
Concen: 43.222 ng  
RT: 14.52 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1820953 |       |       |
| 153     | 116.7 | 90.6    | 135.8 |       |
| 152     | 53.9  | 42.6    | 63.8  |       |





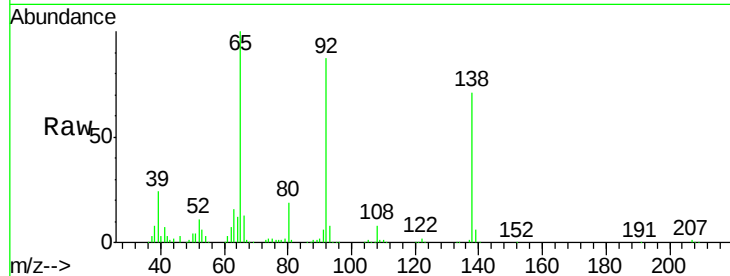
#53  
3-Nitroaniline  
Concen: 22.698 ng  
RT: 14.37 min Scan# 1935  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

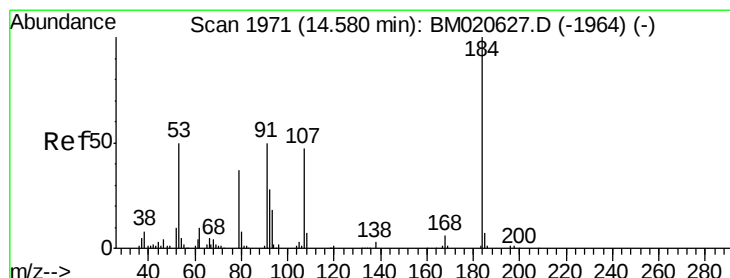
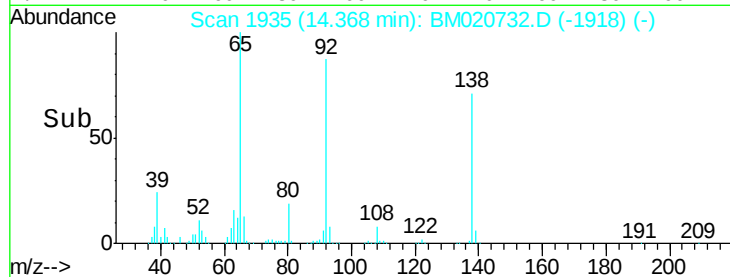
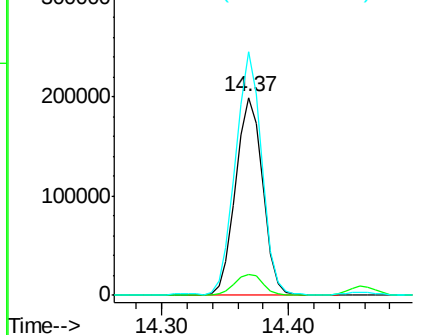
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.8  | 8.9   | 13.3  |
| 92      | 123.0 | 95.2  | 142.8 |

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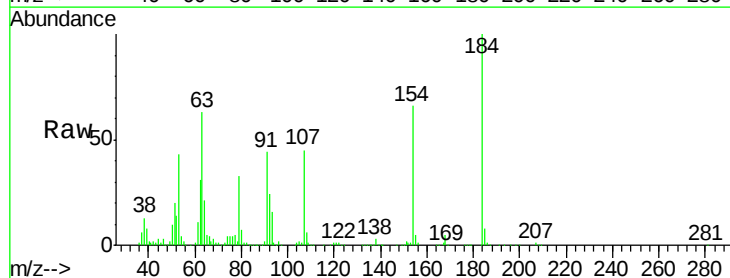


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BM

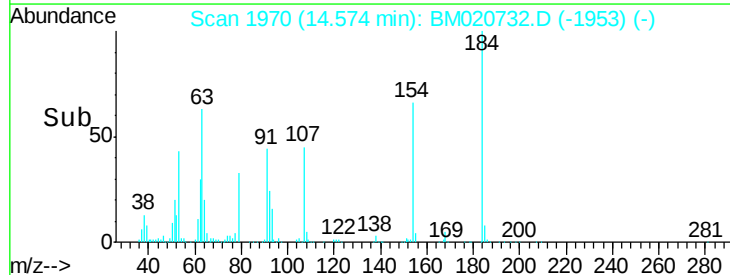
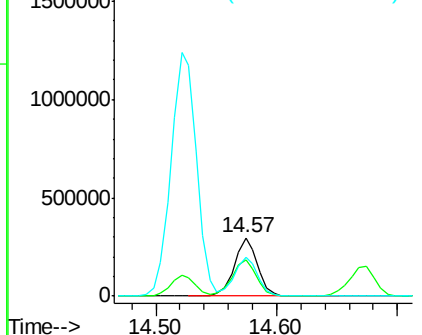


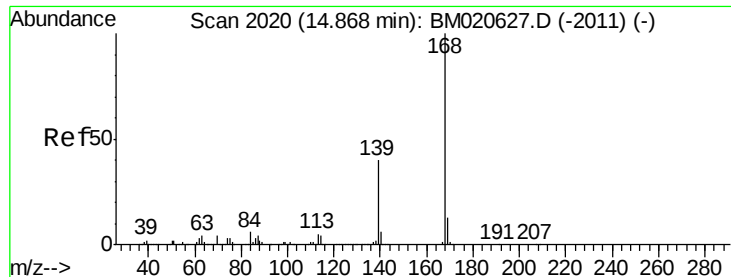
#54  
2,4-Dinitrophenol  
Concen: 78.827 ng  
RT: 14.57 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 63.0  | 49.8  | 74.8  |
| 154     | 66.2  | 55.4  | 83.2  |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 43.266 ng

RT: 14.86 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:168 Resp: 2831012

Ion Ratio Lower Upper

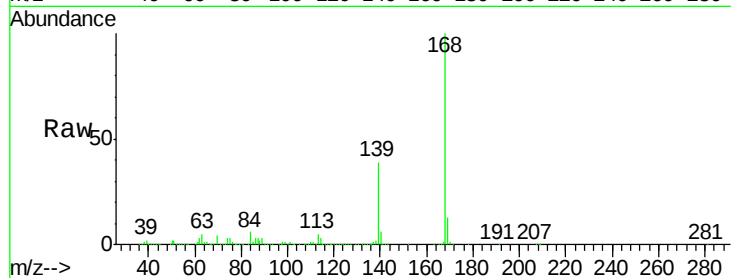
168 100

139 38.6 31.1 46.7

169 13.3 10.6 15.8

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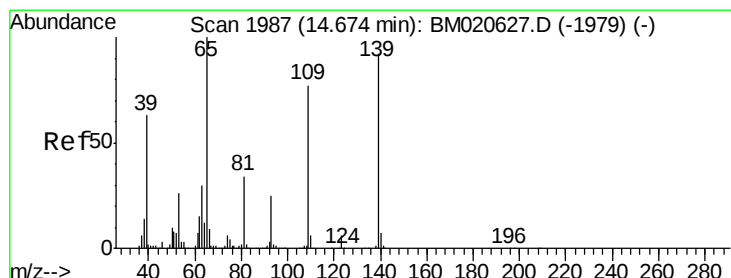
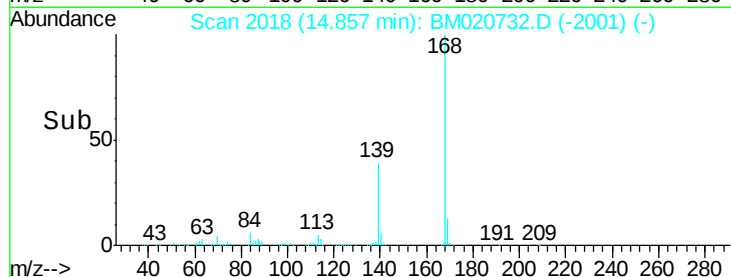
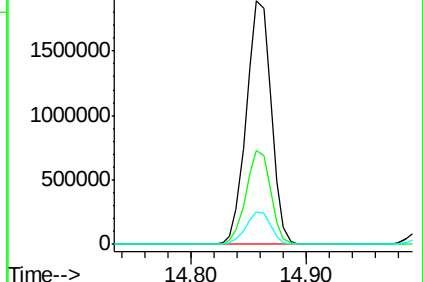
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 79.748 ng

RT: 14.67 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

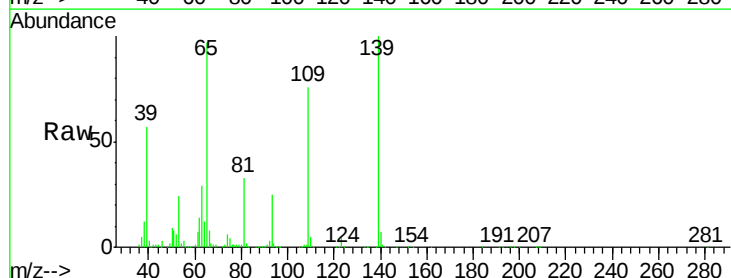
Tgt Ion:139 Resp: 764872

Ion Ratio Lower Upper

139 100

109 76.2 58.0 98.0

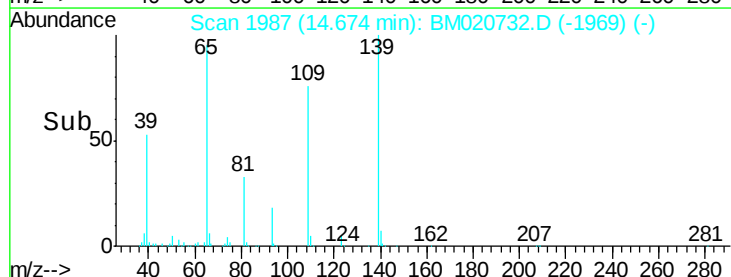
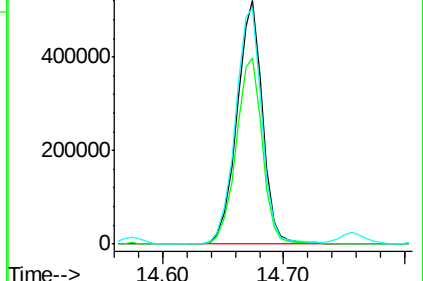
65 97.1 78.3 118.3

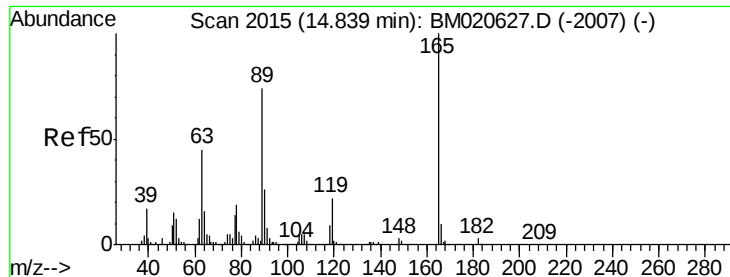


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E





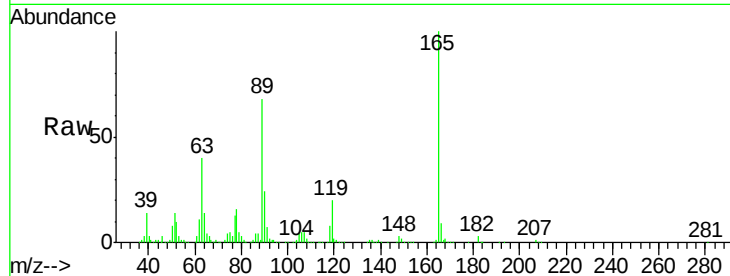
#57  
2,4-Dinitrotoluene  
Concen: 41.996 ng  
RT: 14.83 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 655691 |       |       |
| 63      | 39.7 |       | 32.8   | 49.2  |       |
| 89      | 67.6 |       | 55.9   | 83.9  |       |
| 182     | 2.8  |       | 2.4    | 3.6   |       |

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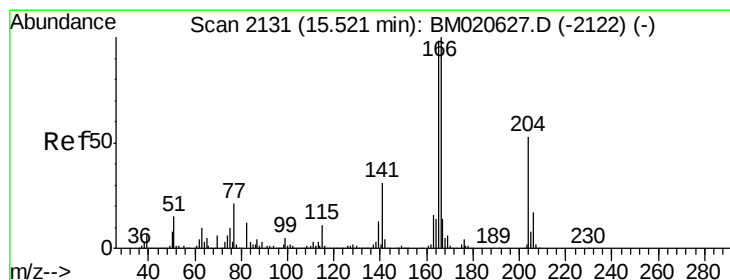
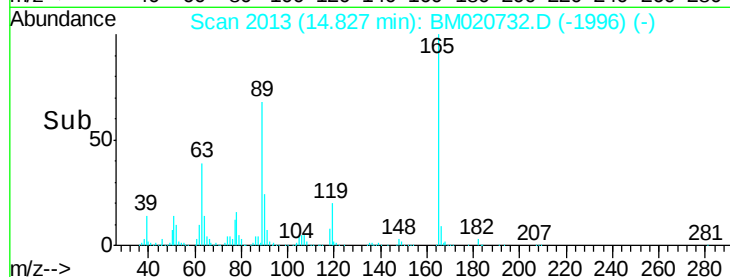
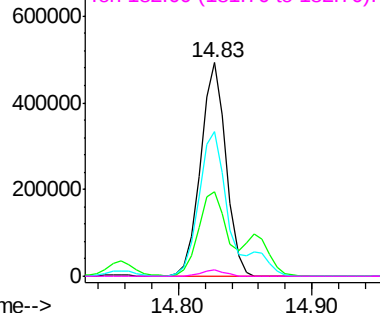


Abundance Ion 165.00 (164.70 to 165.70): E

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

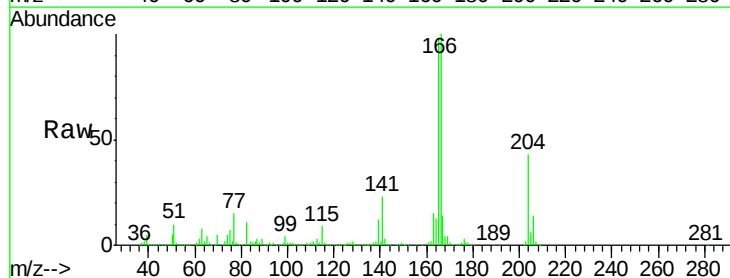
Ion 89.00 (88.70 to 89.70): BM020627.D (-2007) (-)

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 41.979 ng  
RT: 15.51 min Scan# 2129  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

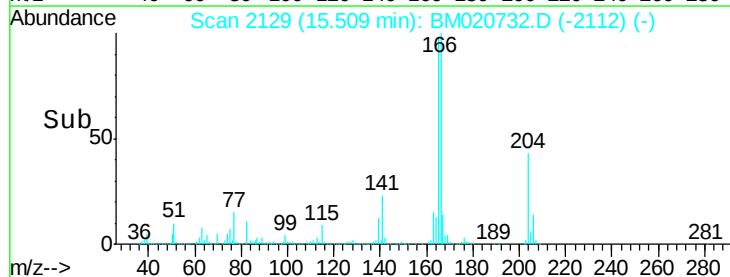
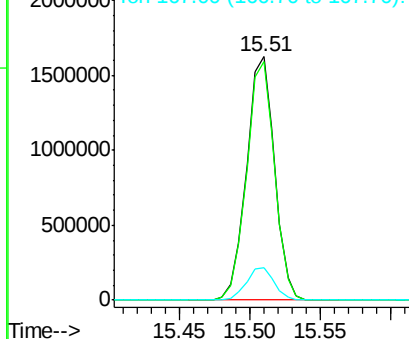
| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 2258878 |       |       |
| 165     | 98.2 |       | 79.4    | 119.2 |       |
| 167     | 13.6 |       | 10.8    | 16.2  |       |

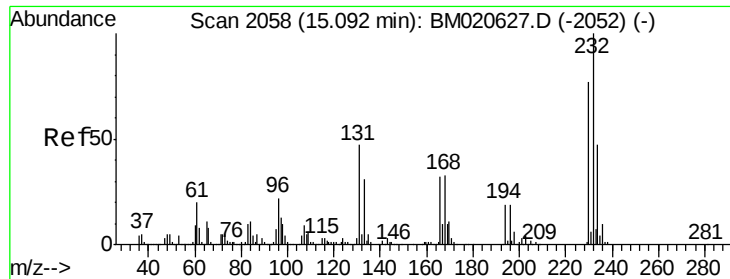


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





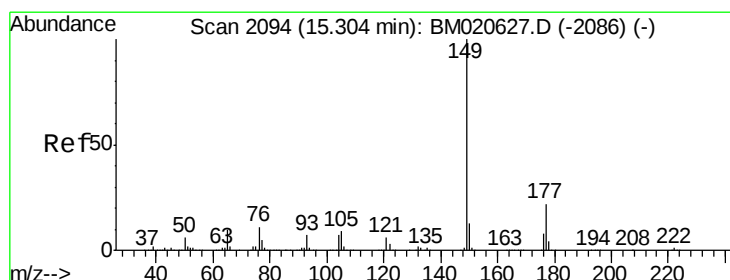
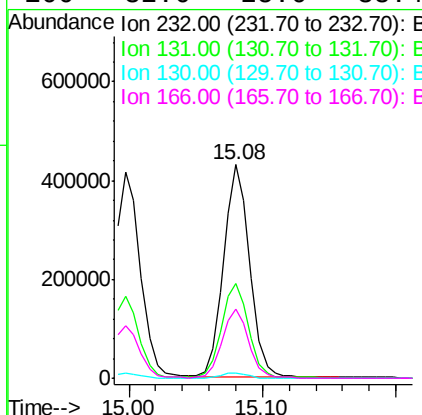
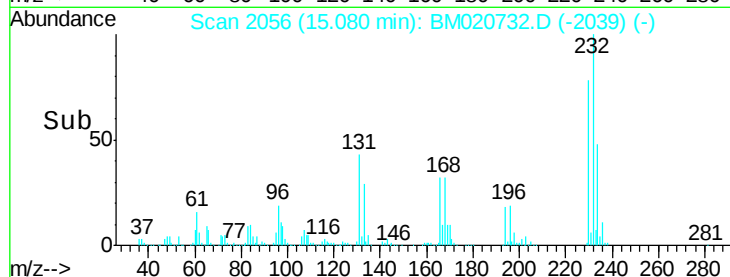
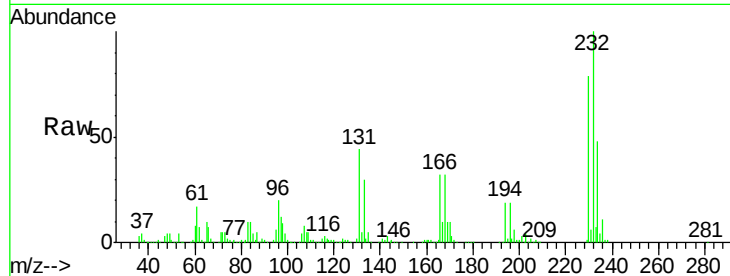
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.507 ng  
RT: 15.08 min Scan# 2056  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.4  | 36.9  | 55.3  |
| 130     | 2.5   | 2.0   | 3.0   |
| 166     | 32.6  | 25.6  | 38.4  |

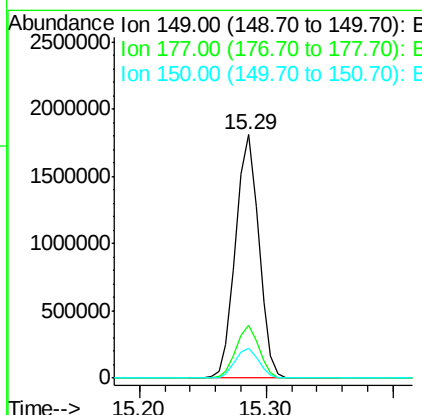
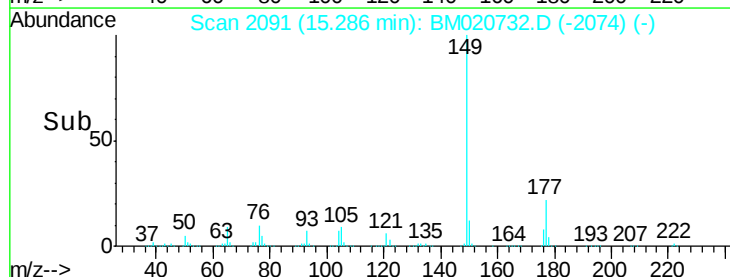
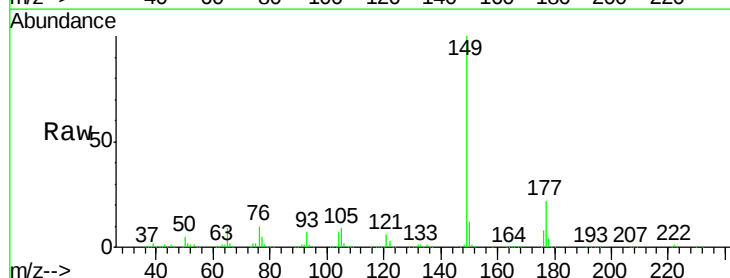
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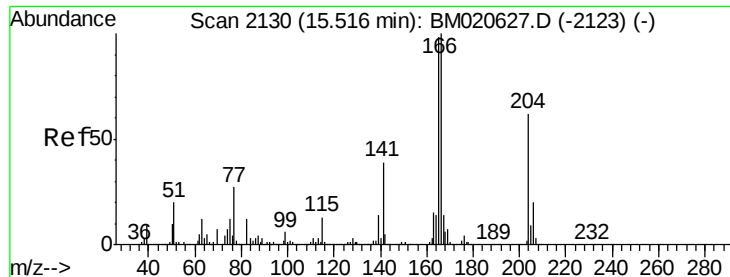
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#60  
Diethylphthalate  
Concen: 38.702 ng  
RT: 15.29 min Scan# 2091  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 17.4  | 26.2  |
| 150     | 12.4  | 10.0  | 15.0  |





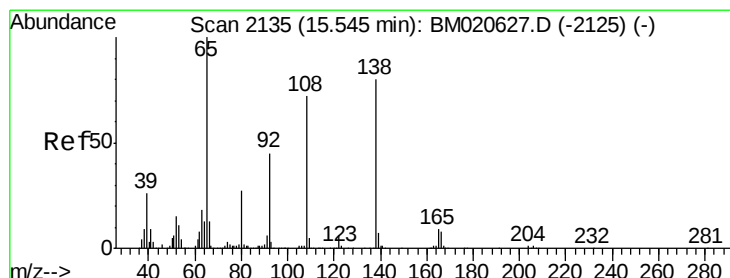
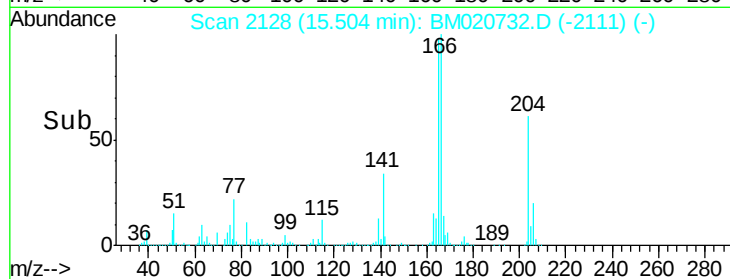
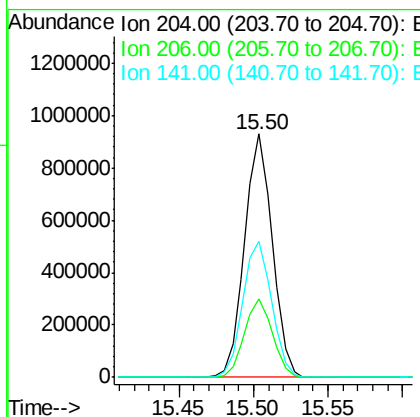
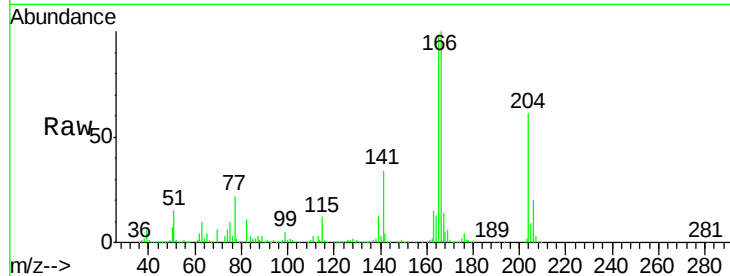
#61  
 4-Chlorophenyl-phenylether  
 Concen: 41.945 ng  
 RT: 15.50 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB120049BS

Tot Ion:204 Resp: 1195045  
 Ion Ratio Lower Upper  
 204 100  
 206 32.4 26.1 39.1  
 141 56.0 46.7 70.1

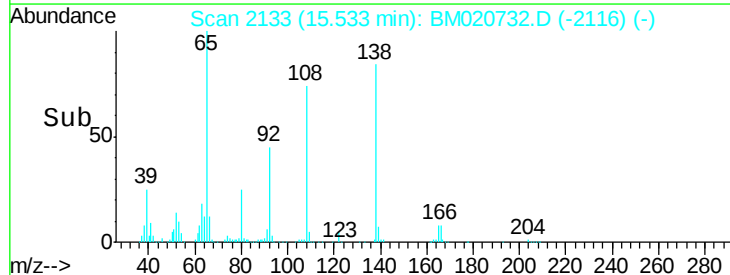
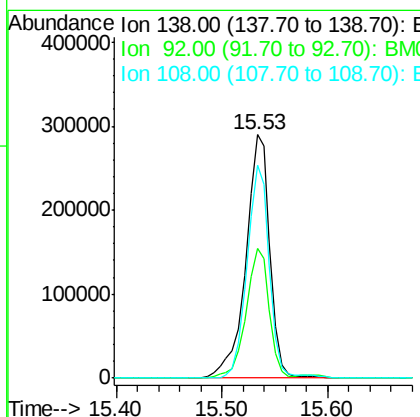
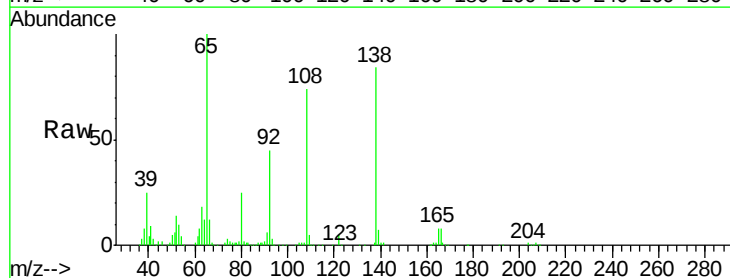
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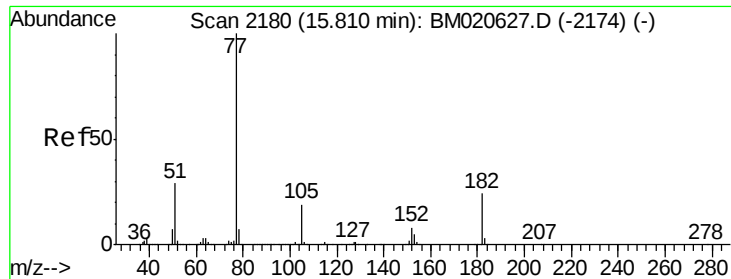
mohammad  
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#62  
 4-Nitroaniline  
 Concen: 33.269 ng  
 RT: 15.53 min Scan# 2133  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Tgt Ion:138 Resp: 459225  
 Ion Ratio Lower Upper  
 138 100  
 92 53.4 33.2 73.2  
 108 87.6 64.1 104.1





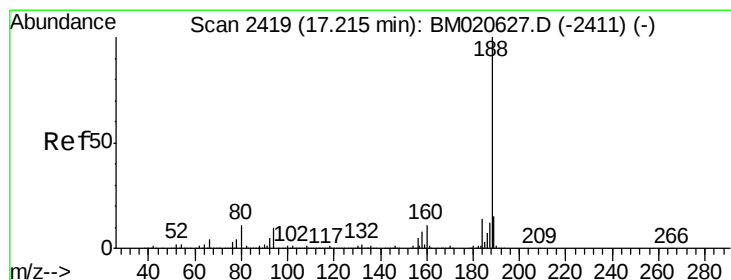
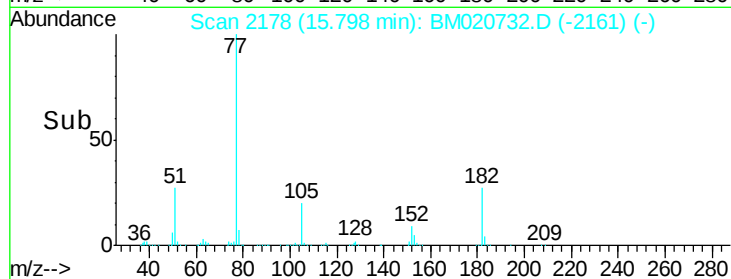
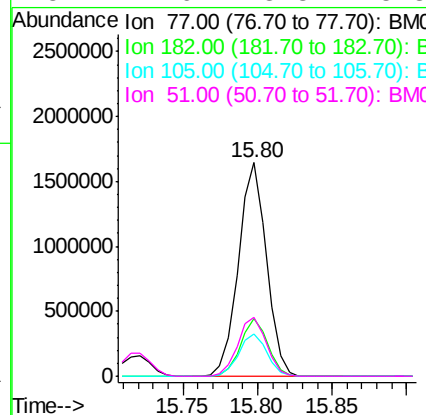
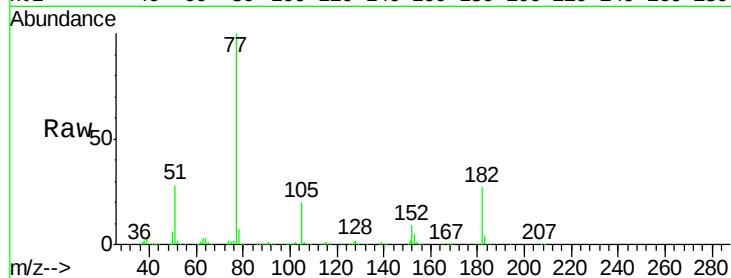
#63  
Azobenzene  
Concen: 37.870 ng  
RT: 15.80 min Scan# 2178  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.8  | 6.3   | 46.3  |
| 105     | 20.0  | 0.4   | 40.4  |
| 51      | 27.6  | 8.3   | 48.3  |

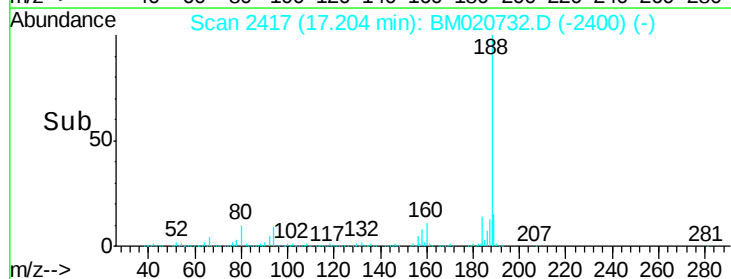
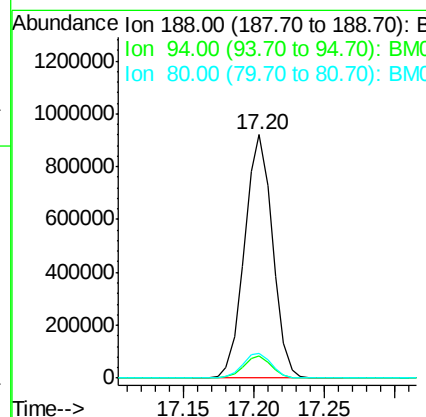
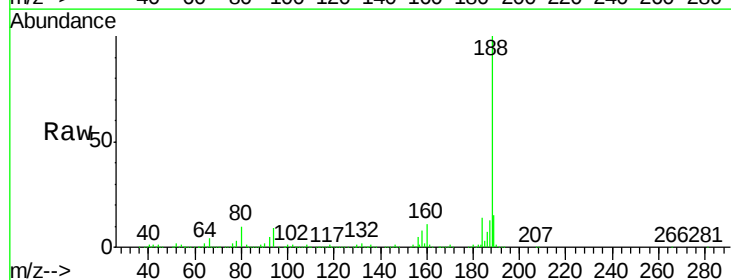
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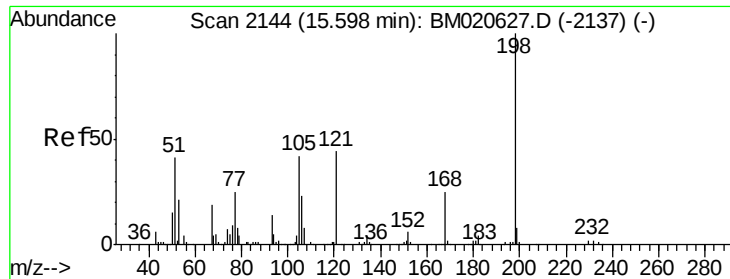
mohammad  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.20 min Scan# 2417  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 7.0   | 10.4  |
| 80      | 10.1  | 7.8   | 11.8  |





#65

4,6-Dinitro-2-methylphenol

Concen: 42.905 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:198 Resp: 242723

Ion Ratio Lower Upper

198 100

51 42.4 21.6 61.6

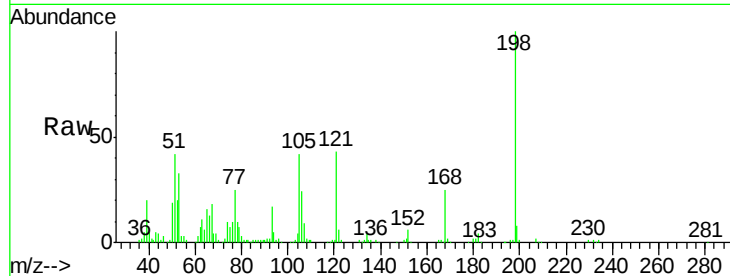
105 42.2 20.6 60.6

Manual Integrations

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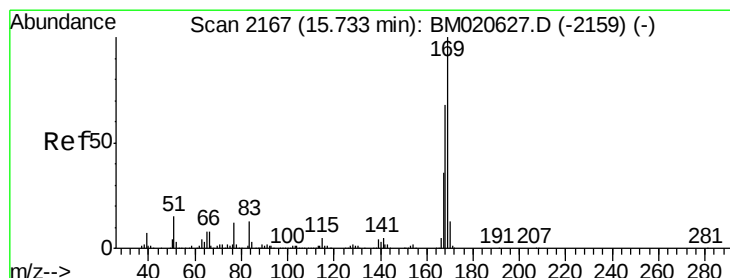
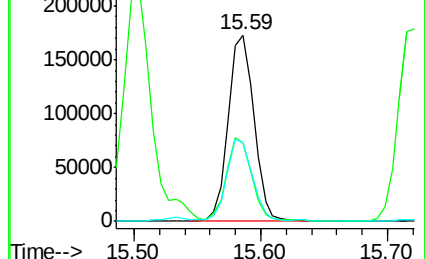
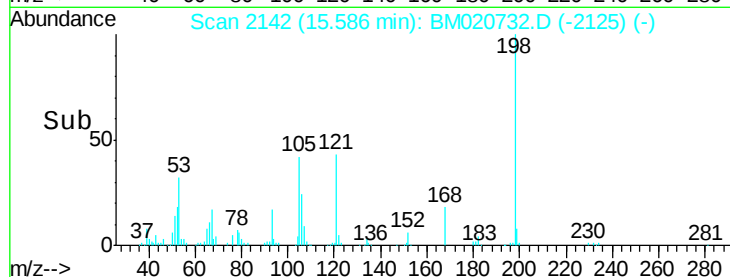
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 46.264 ng

RT: 15.72 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

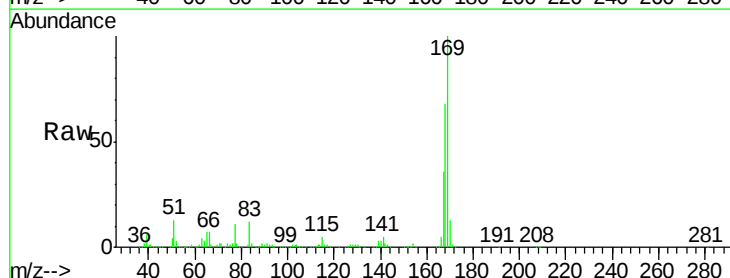
Tgt Ion:169 Resp: 1891849

Ion Ratio Lower Upper

169 100

168 67.7 54.7 82.1

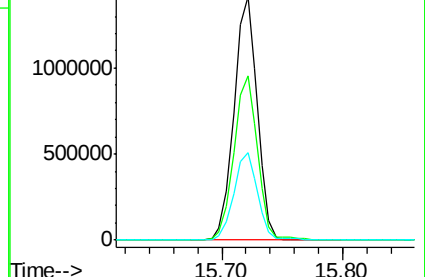
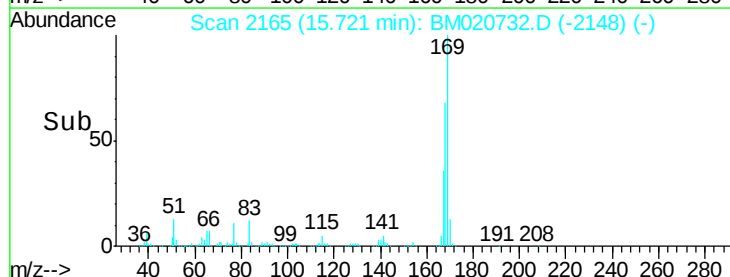
167 36.1 29.3 43.9

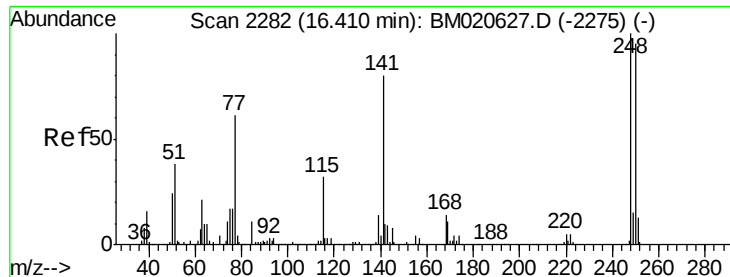


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





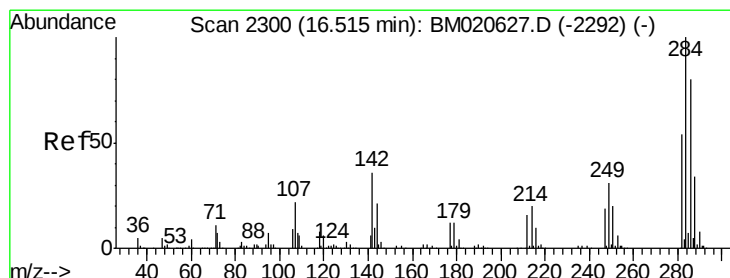
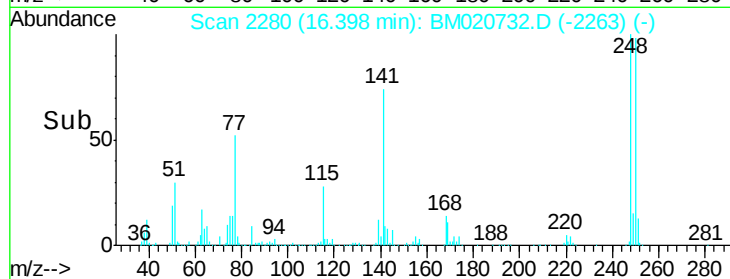
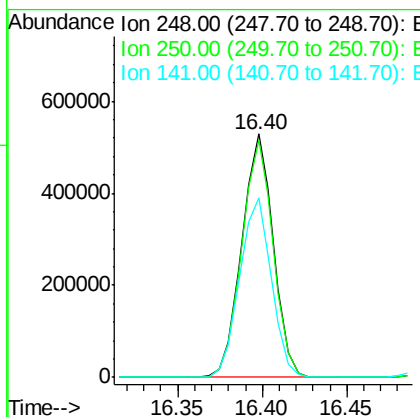
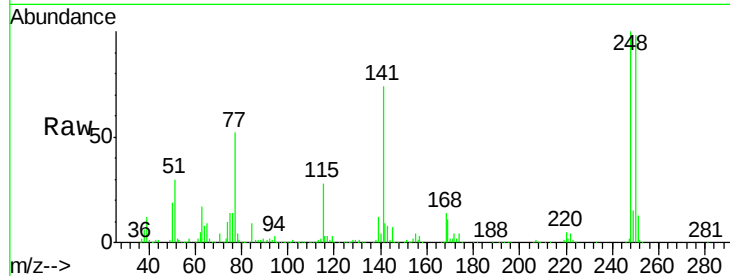
#67  
4-Bromophenyl-phenylether  
Concen: 45.472 ng  
RT: 16.40 min Scan# 2280  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.6  | 77.4  | 116.2 |
| 141     | 73.8  | 58.2  | 87.2  |

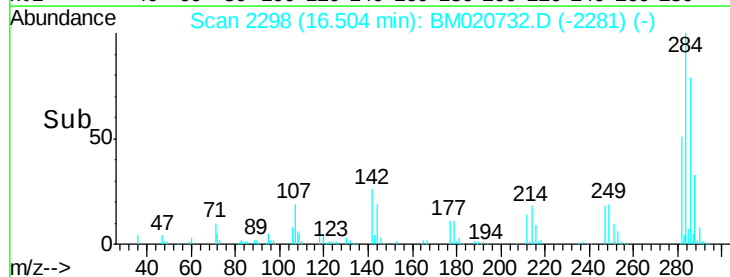
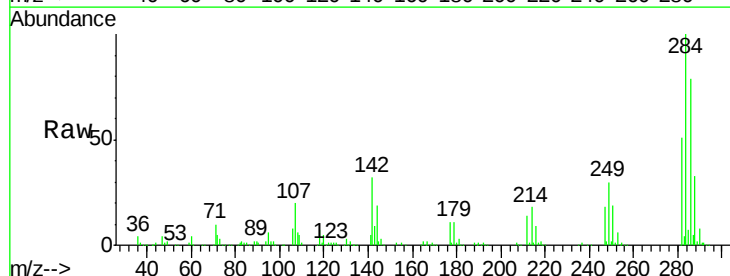
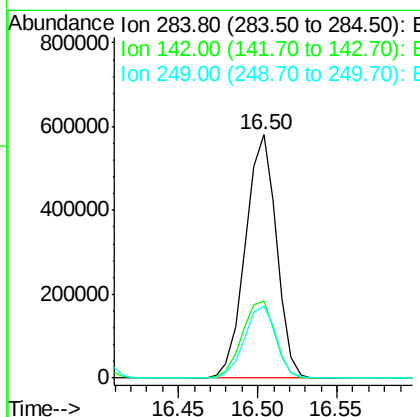
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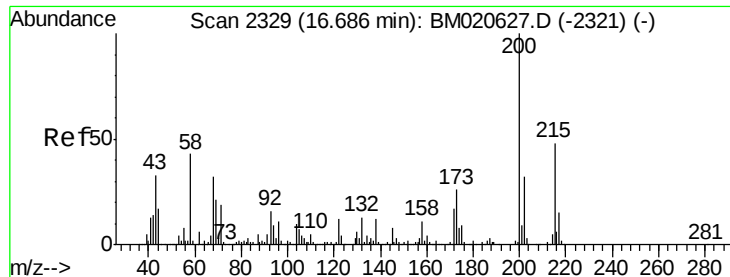
mohammad  
6/6/2019 11:21:33 AM



#68  
Hexachlorobenzene  
Concen: 44.953 ng  
RT: 16.50 min Scan# 2298  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 31.8  | 25.4  | 38.0  |
| 249     | 29.5  | 24.9  | 37.3  |





#69

Atrazine

Concen: 47.829 ng

RT: 16.67 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

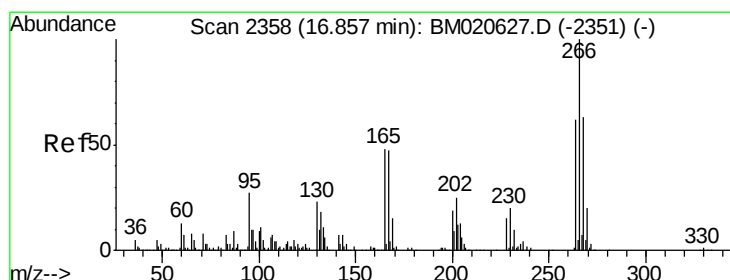
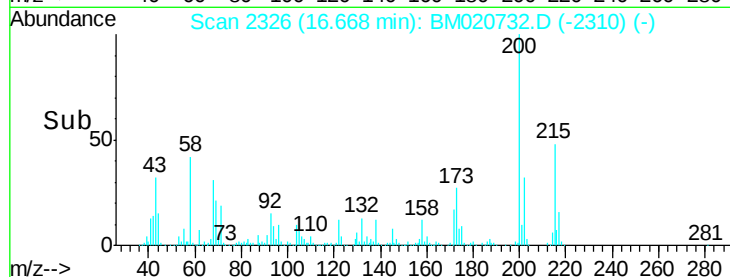
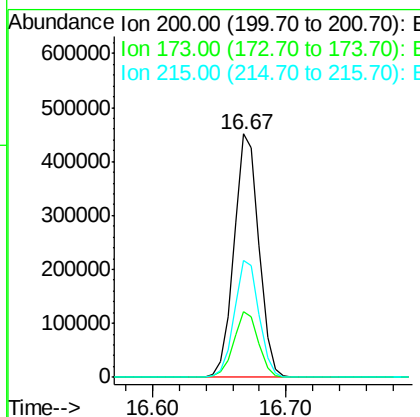
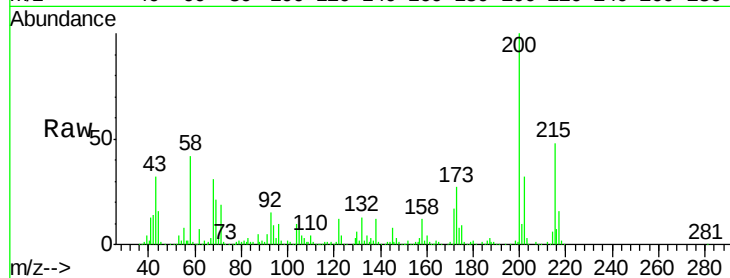
ClientSampleId :

PB120049BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 583731 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.0  | 5.7   | 45.7   |
| 215       | 47.8  | 28.2  | 68.2   |

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#70

Pentachlorophenol

Concen: 102.594 ng

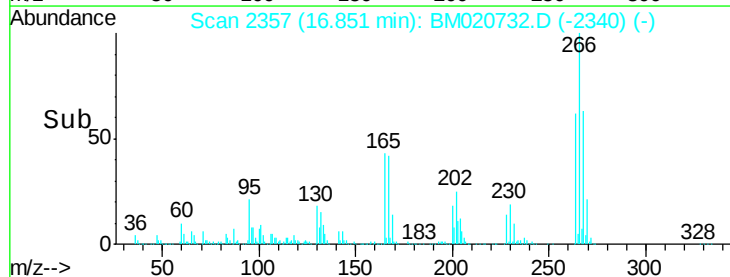
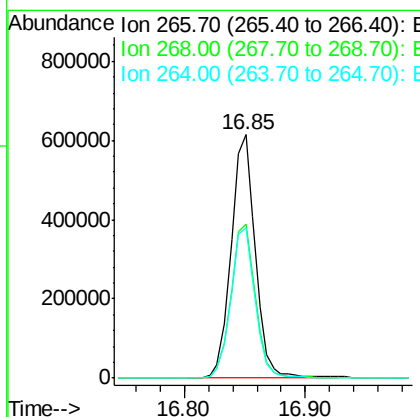
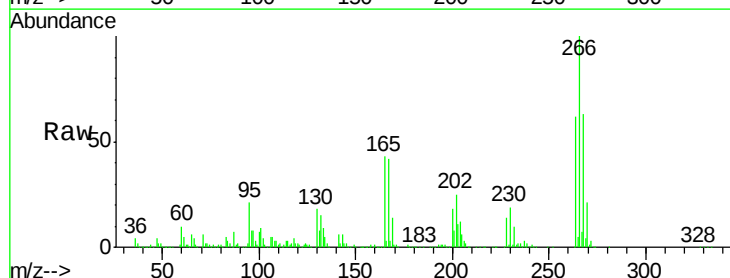
RT: 16.85 min Scan# 2357

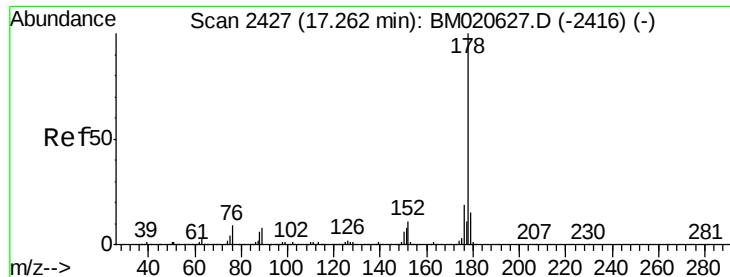
Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 859579 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.4  | 51.0  | 76.4   |
| 264       | 61.6  | 49.9  | 74.9   |





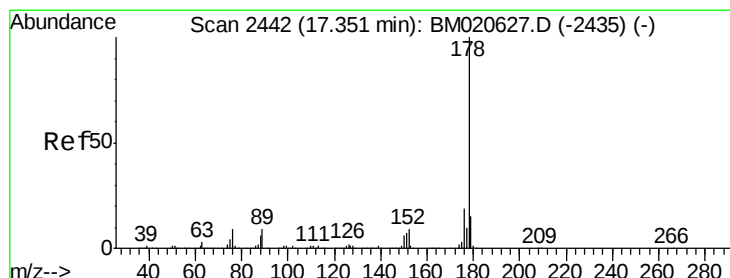
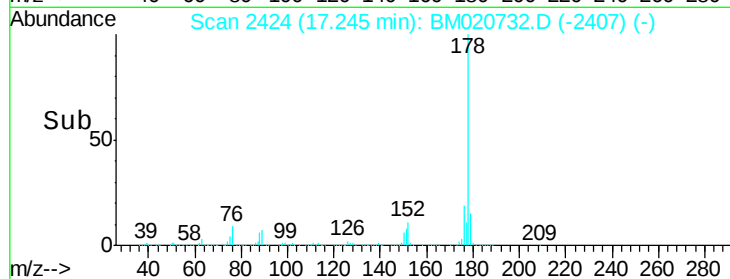
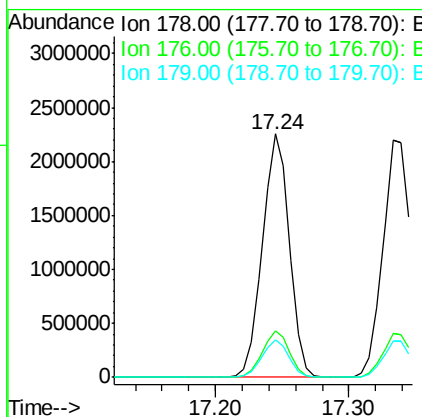
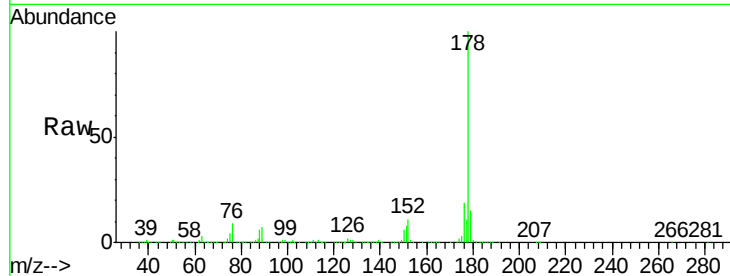
#71  
Phenanthrene  
Concen: 43.359 ng  
RT: 17.24 min Scan# 2424  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

Tot Ion:178 Resp: 3139510  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.1 22.7  
179 15.5 12.3 18.5

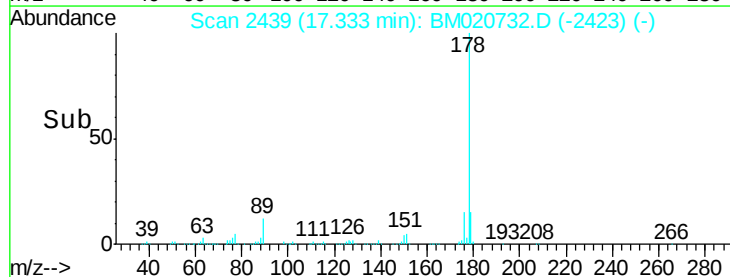
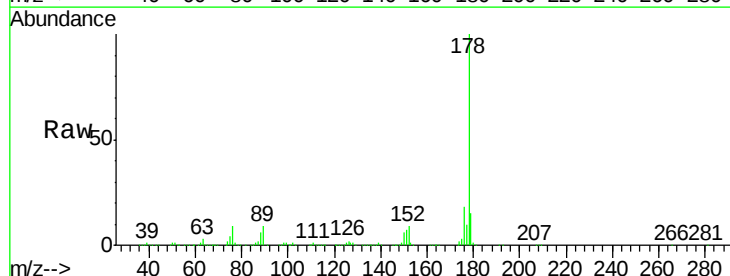
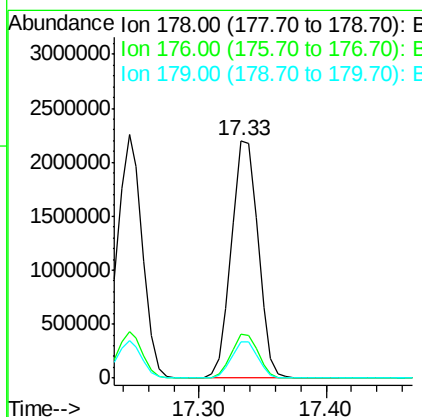
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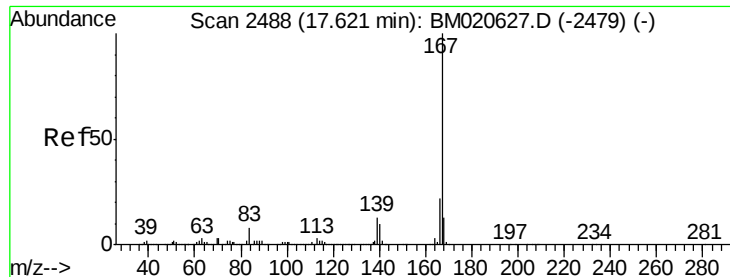
mohammad  
6/6/2019 11:21:33 AM



#72  
Anthracene  
Concen: 44.134 ng  
RT: 17.33 min Scan# 2439  
Delta R.T. -0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Tgt Ion:178 Resp: 3198450  
Ion Ratio Lower Upper  
178 100  
176 18.4 14.8 22.2  
179 15.5 11.9 17.9





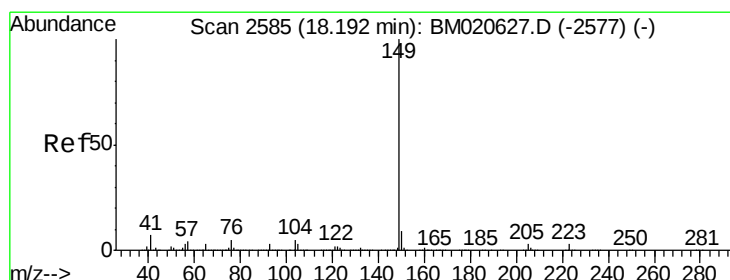
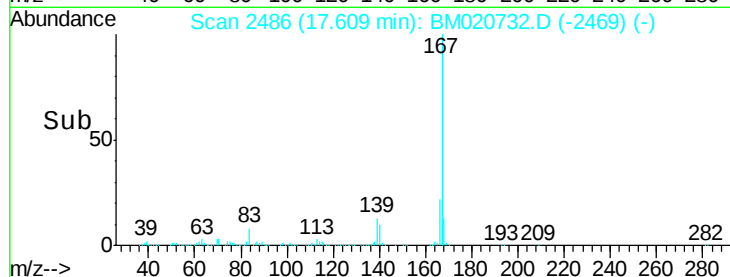
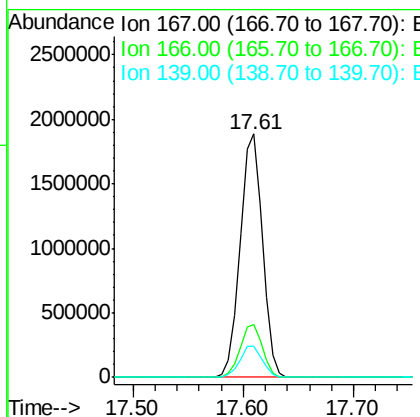
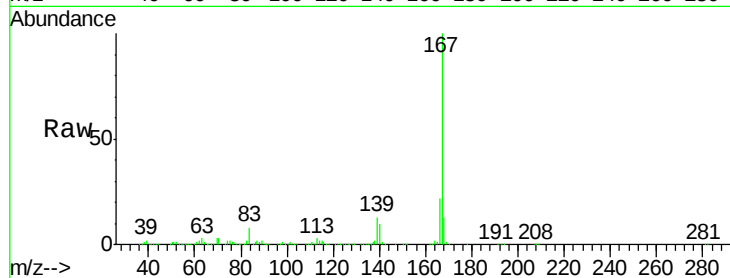
#73  
 Carbazole  
 Concen: 40.829 ng  
 RT: 17.61 min Scan# 2486  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.2  | 25.8  |
| 139     | 12.7  | 10.2  | 15.4  |

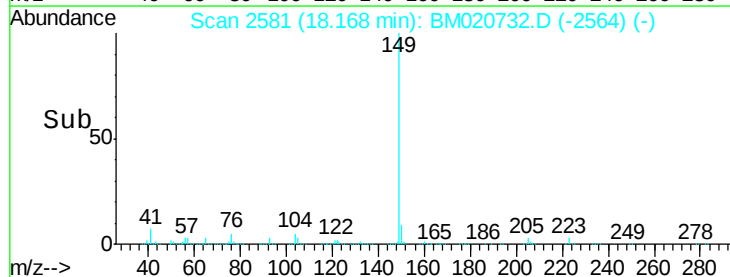
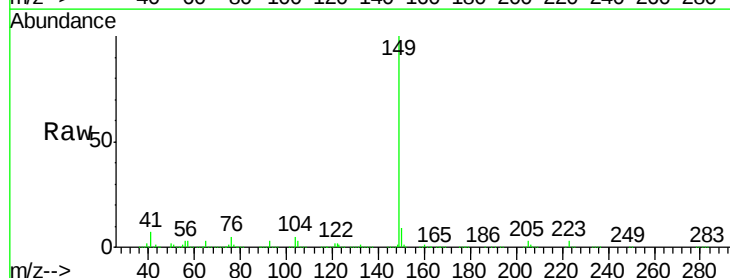
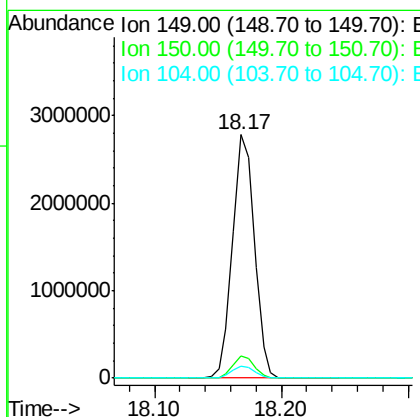
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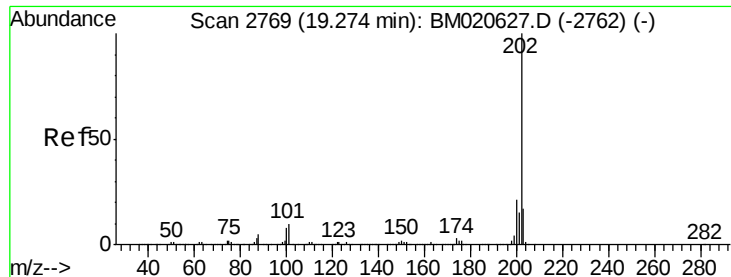
mohammad  
 6/6/2019 11:21:33 AM



#74  
 Di-n-butylphthalate  
 Concen: 38.680 ng  
 RT: 18.17 min Scan# 2581  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.0   | 7.5   | 11.3  |
| 104     | 5.1   | 4.1   | 6.1   |





#75

Fluoranthene

Concen: 40.031 ng

RT: 19.26 min Scan# 2766

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:202 Resp: 3223446

Ion Ratio Lower Upper

202 100

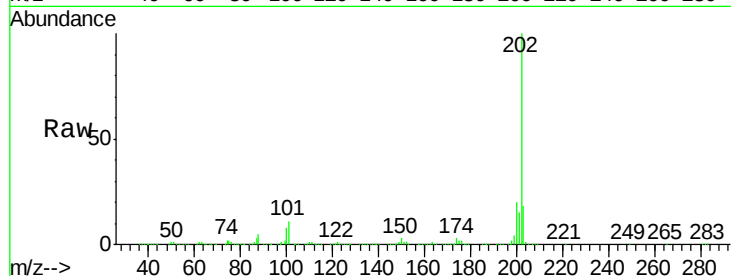
101 10.7 0.0 30.5

203 17.6 0.0 37.5

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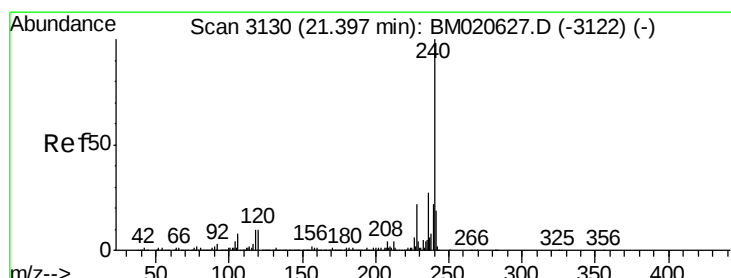
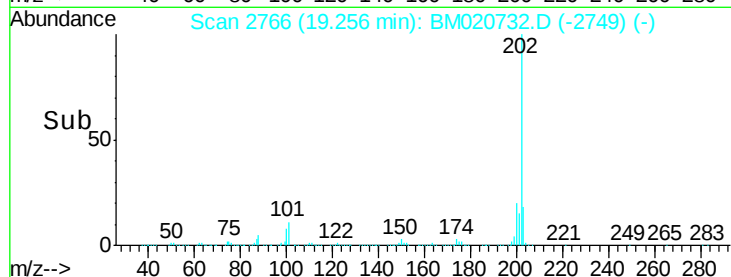
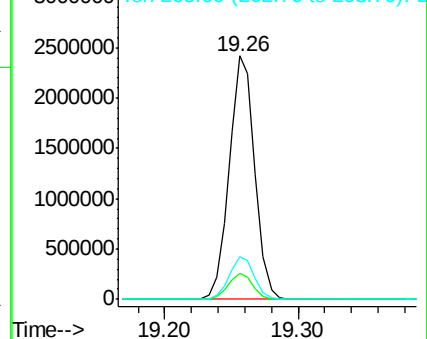
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.38 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

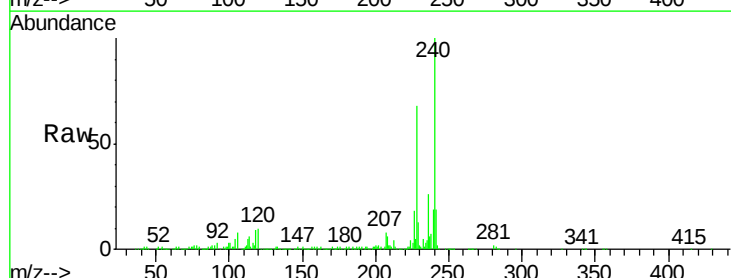
Tgt Ion:240 Resp: 1022451

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

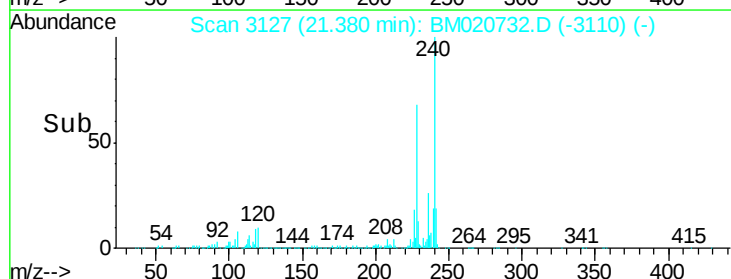
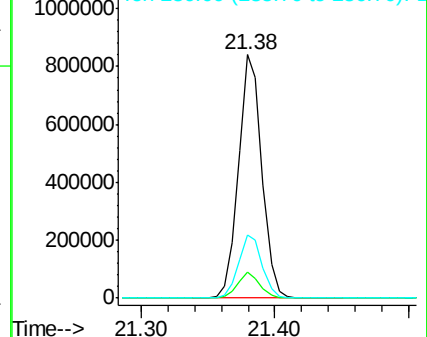
236 25.9 21.1 31.7

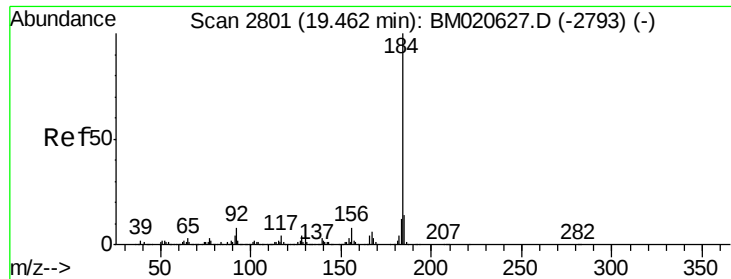


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 42.952 ng

RT: 19.45 min Scan# 2799

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:184 Resp: 1330696

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

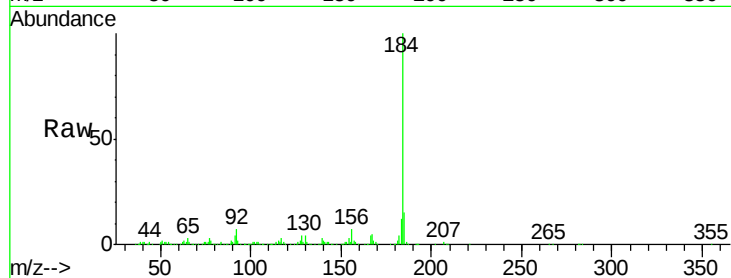
183 12.1 9.8 14.8

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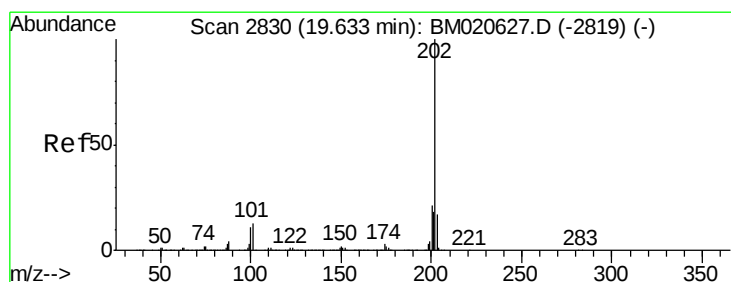
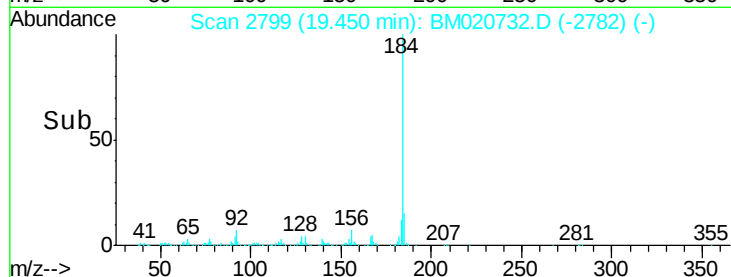
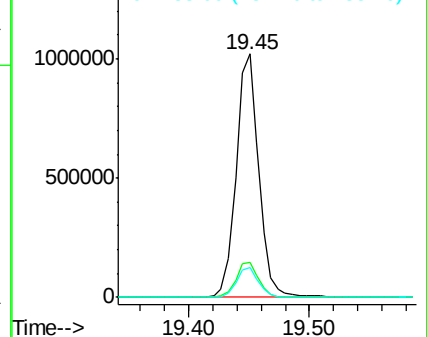
6/6/2019 11:21:33 AM



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: 41.426 ng

RT: 19.62 min Scan# 2828

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

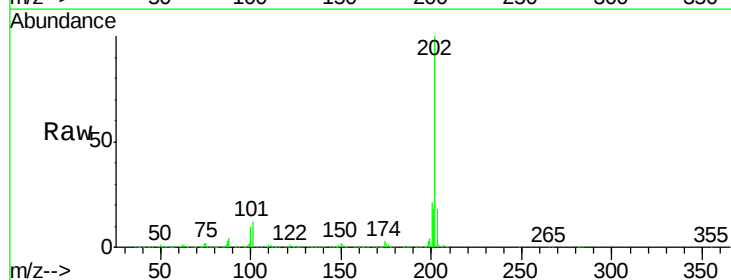
Tgt Ion:202 Resp: 3250352

Ion Ratio Lower Upper

202 100

200 21.1 16.4 24.6

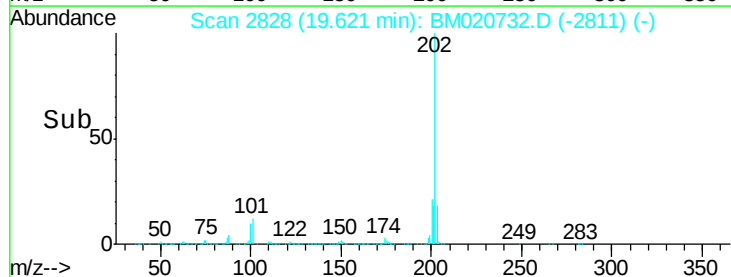
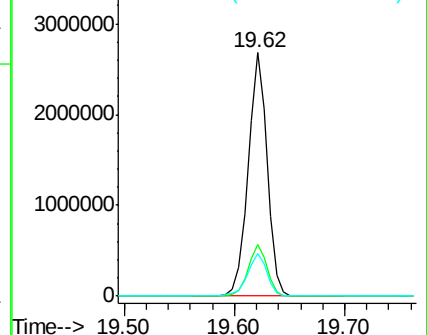
203 17.6 14.1 21.1



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





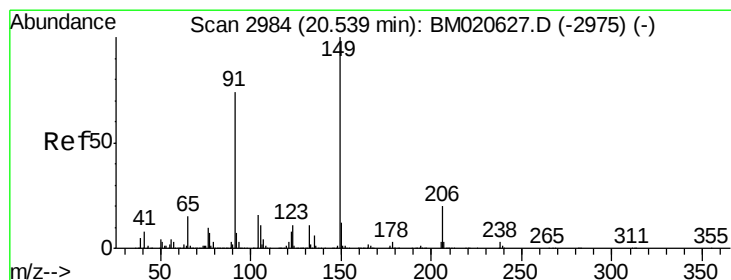
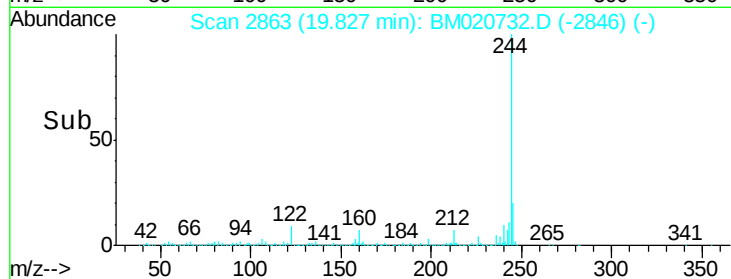
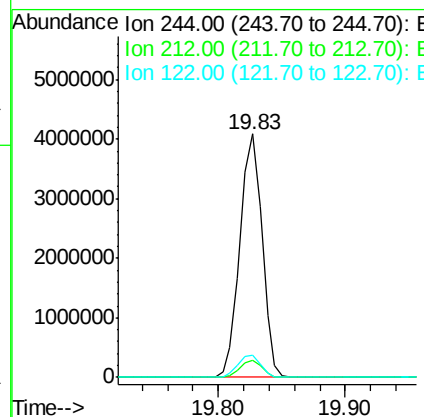
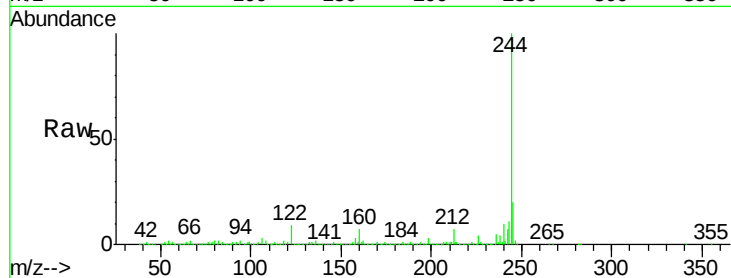
#79  
 Terphenyl-d14  
 Concen: 80.244 ng  
 RT: 19.83 min Scan# 2863  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB120049BS

Tot Ion:244 Resp: 4905145  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 9.3 7.4 11.0

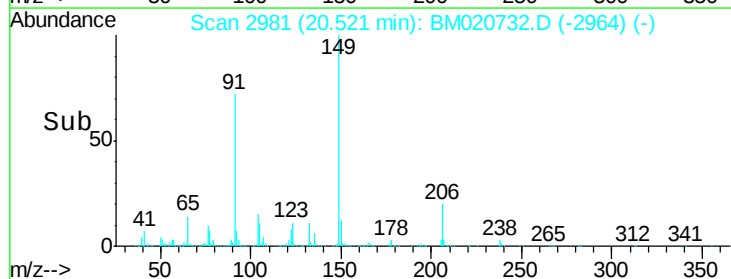
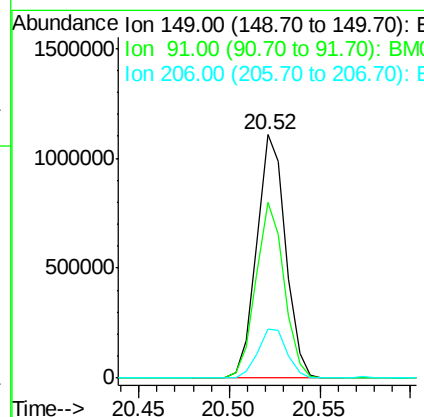
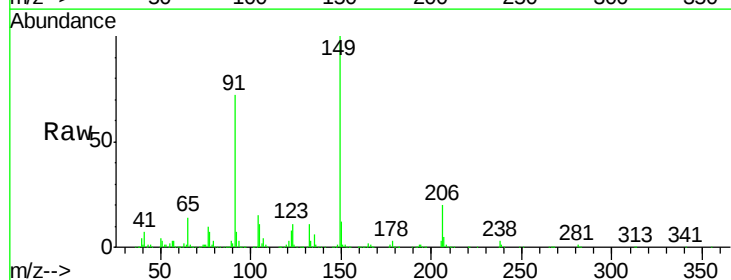
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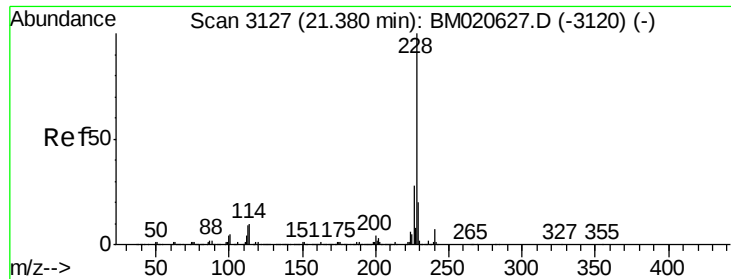
mohammad  
 6/6/2019 11:21:33 AM



#80  
 Butylbenzylphthalate  
 Concen: 37.027 ng  
 RT: 20.52 min Scan# 2981  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Tgt Ion:149 Resp: 1227731  
 Ion Ratio Lower Upper  
 149 100  
 91 72.0 57.1 85.7  
 206 20.2 16.3 24.5





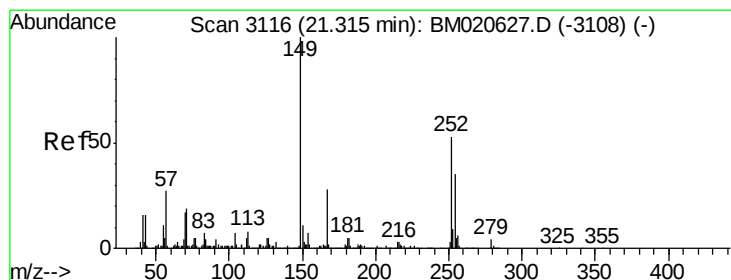
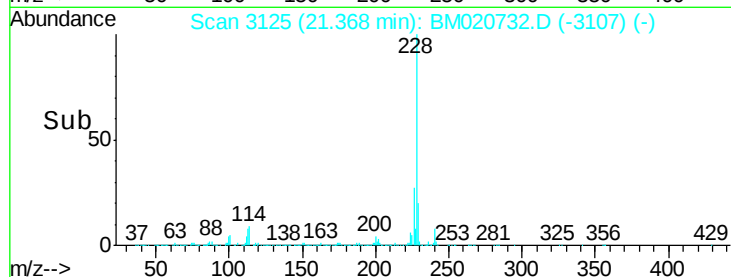
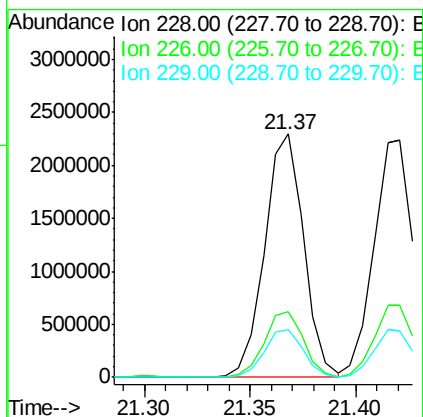
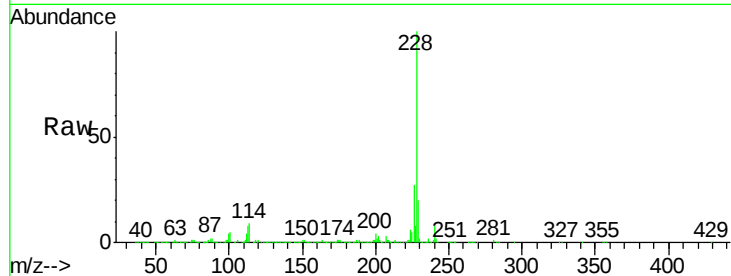
#81  
Benzo(a)anthracene  
Concen: 41.279 ng  
RT: 21.37 min Scan# 3125  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 21.7  | 32.5  |
| 229     | 19.7  | 15.9  | 23.9  |

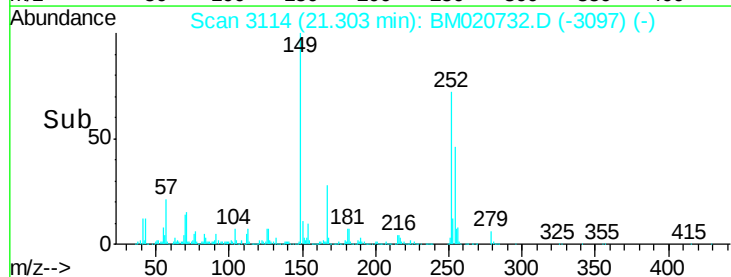
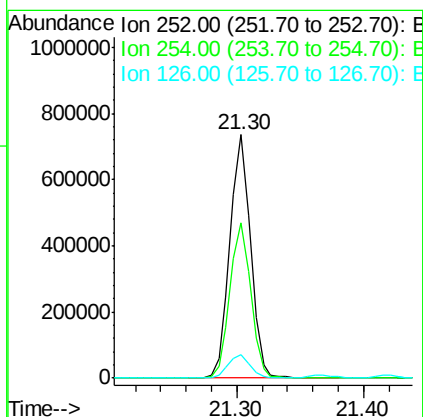
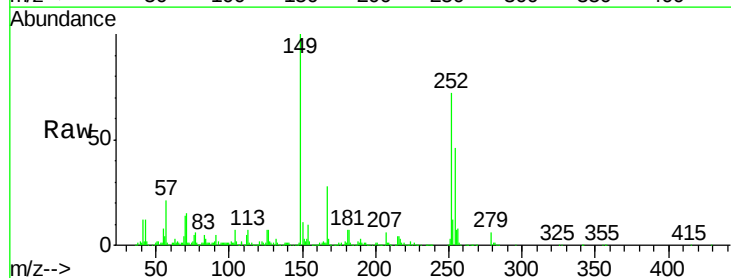
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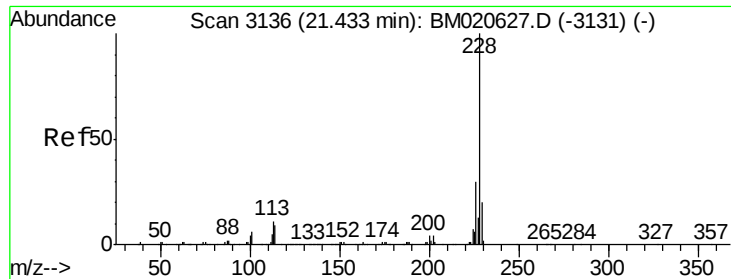
mohammad  
6/6/2019 11:21:33 AM



#82  
3,3'-Dichlorobenzidine  
Concen: 31.900 ng  
RT: 21.30 min Scan# 3114  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.6  | 51.7  | 77.5  |
| 126     | 9.5   | 7.8   | 11.8  |





#83  
 Chrysene  
 Concen: 42.669 ng  
 RT: 21.42 min Scan# 3134  
 Delta R.T. 0.01 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

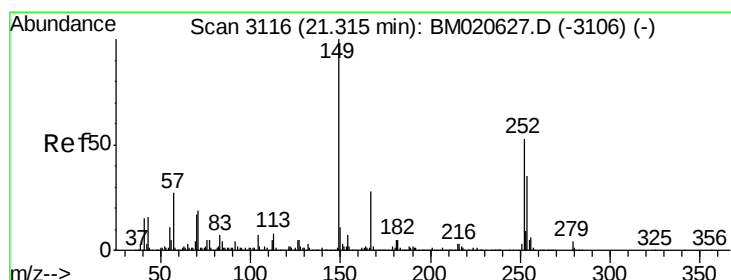
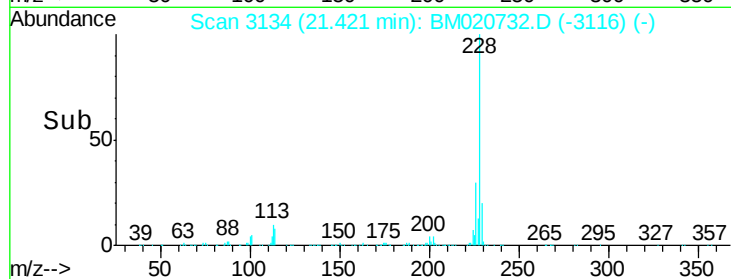
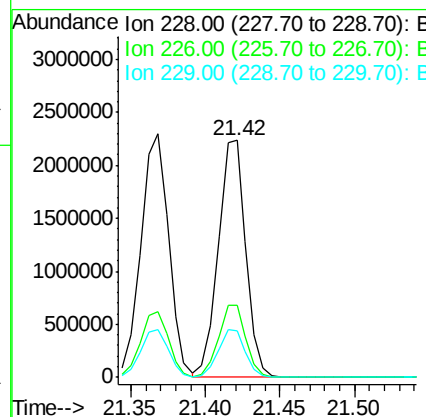
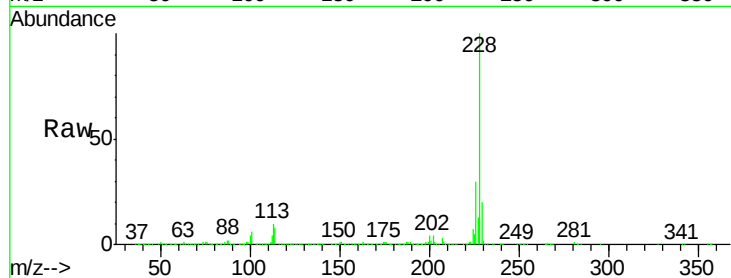
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB120049BS

Tot Ion:228 Resp: 2887950  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 24.2  | 36.2  |
| 229 | 19.7  | 15.9  | 23.9  |

Manual Integrations  
 APPROVED

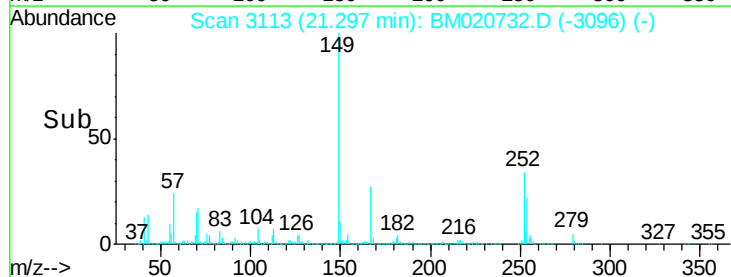
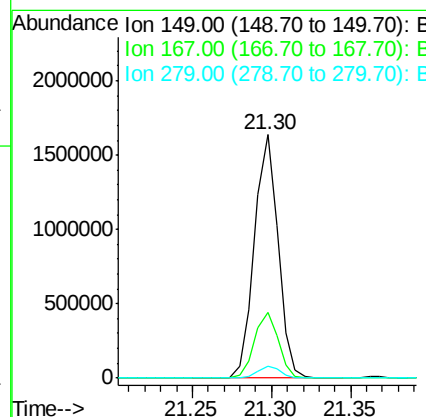
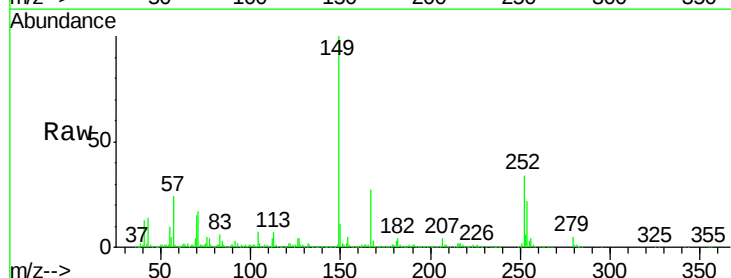
mohammad  
 6/6/2019 11:21:33 AM

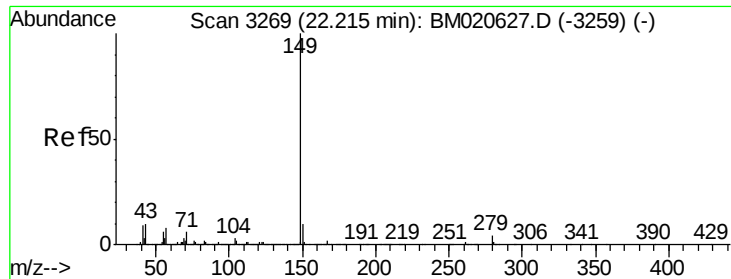


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 35.309 ng  
 RT: 21.30 min Scan# 3113  
 Delta R.T. -0.00 min  
 Lab File: BM020732.D  
 Acq: 05 Jun 2019 12:30

Tgt Ion:149 Resp: 1701576  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.2  | 22.2  | 33.2  |
| 279 | 4.7   | 4.0   | 6.0   |





#85

Di-n-octyl phthalate

Concen: 36.040 ng

RT: 22.19 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:149 Resp: 2757439

Ion Ratio Lower Upper

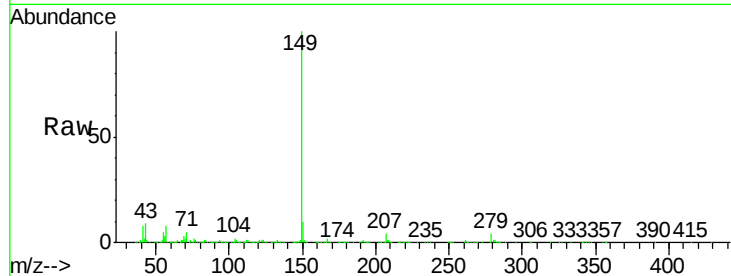
149 100

167 1.6 1.3 1.9

43 9.1 7.4 11.2

Manual Integrations  
APPROVED

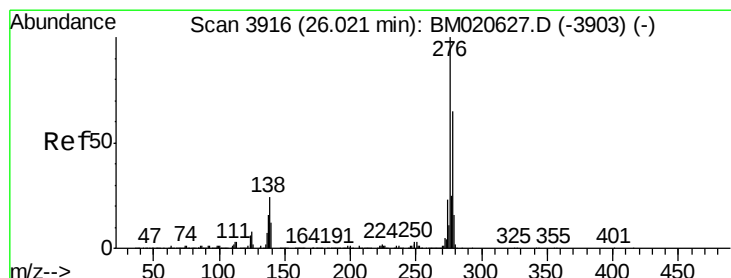
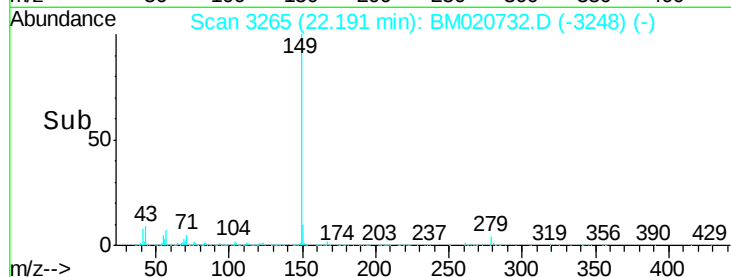
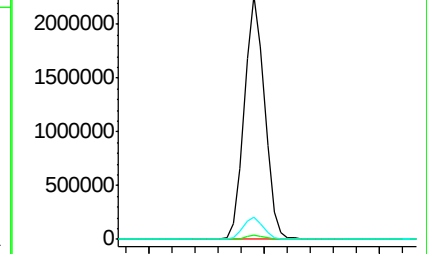
mohammad  
6/6/2019 11:21:33 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 58.978 ng

RT: 25.99 min Scan# 3911

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

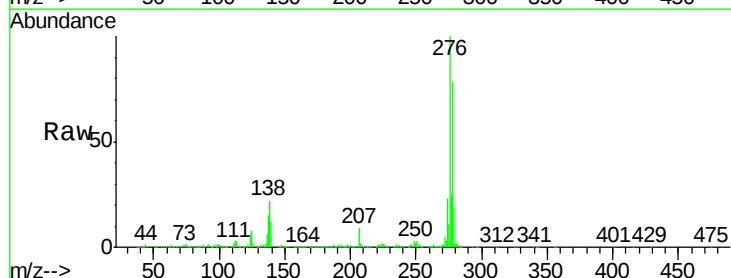
Tgt Ion:276 Resp: 4083730

Ion Ratio Lower Upper

276 100

138 23.1 18.8 28.2

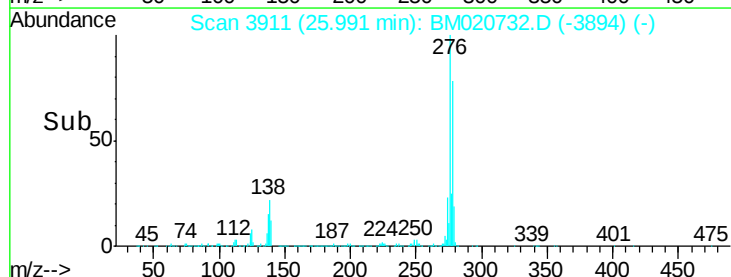
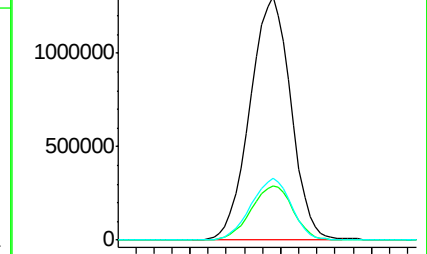
277 25.2 20.5 30.7

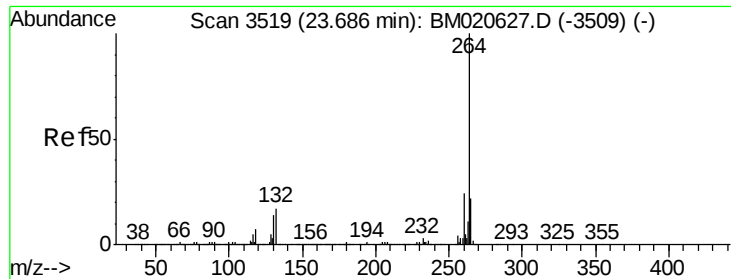


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





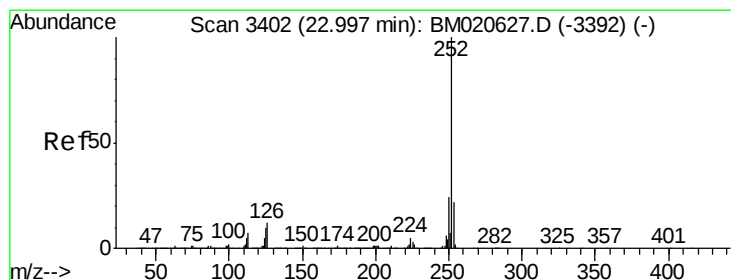
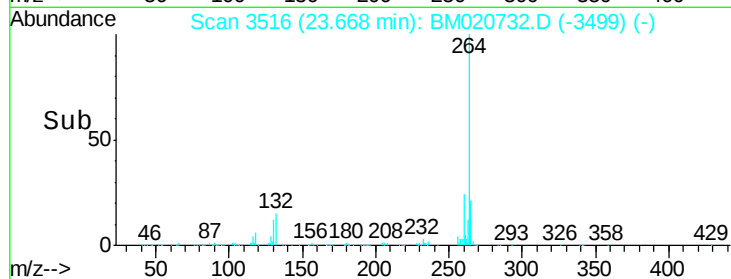
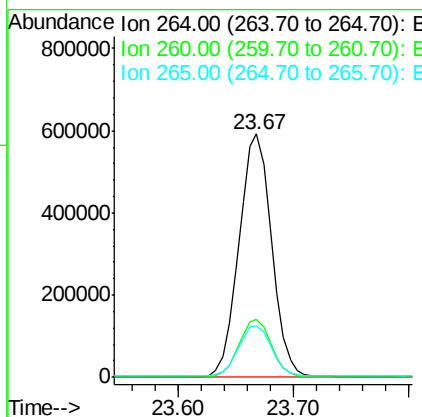
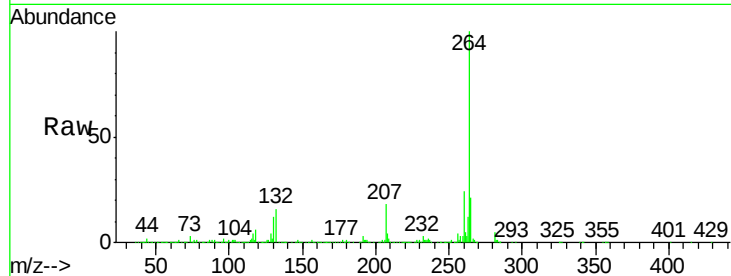
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.67 min Scan# 3516  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.1  | 28.7  |
| 265     | 21.4  | 17.4  | 26.0  |

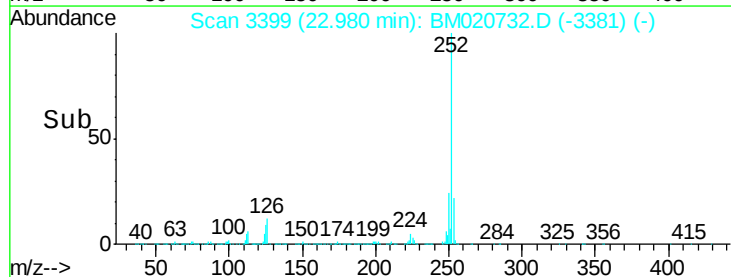
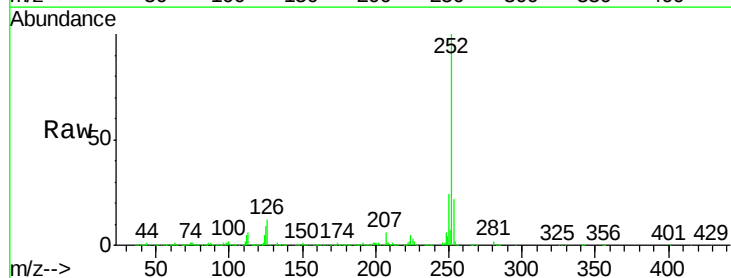
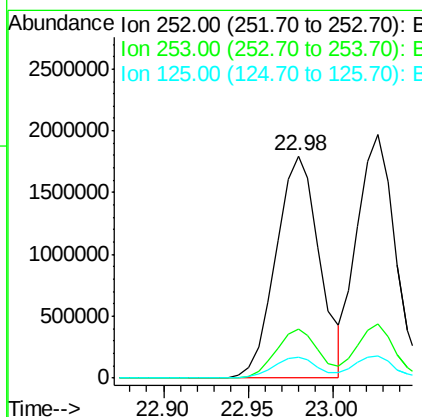
Manual Integrations  
APPROVED

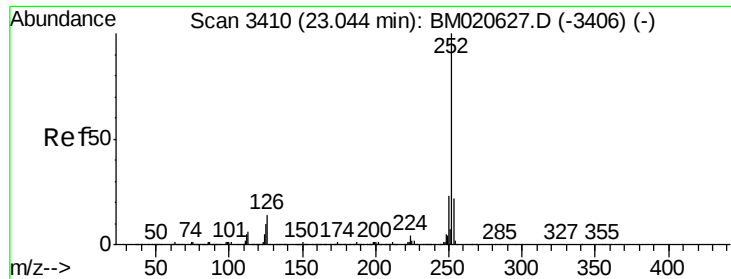
mohammad  
6/6/2019 11:21:33 AM



#88  
Benzo(b)fluoranthene  
Concen: 41.802 ng  
RT: 22.98 min Scan# 3399  
Delta R.T. 0.01 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.8  | 26.8  |
| 125     | 9.2   | 7.6   | 11.4  |





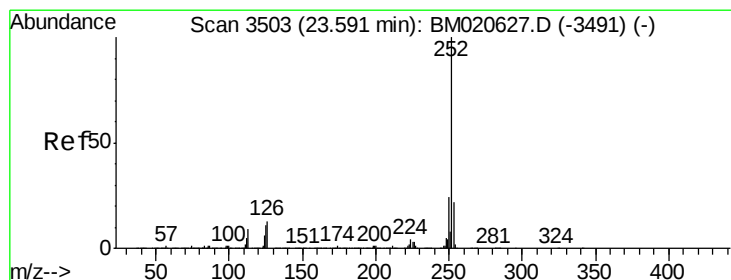
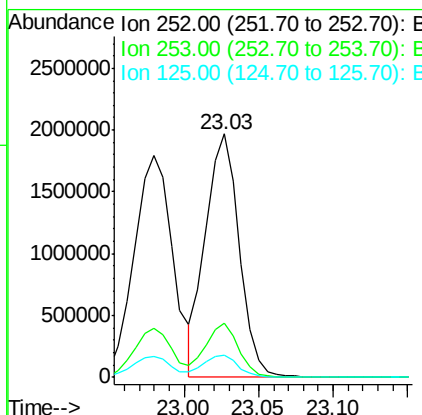
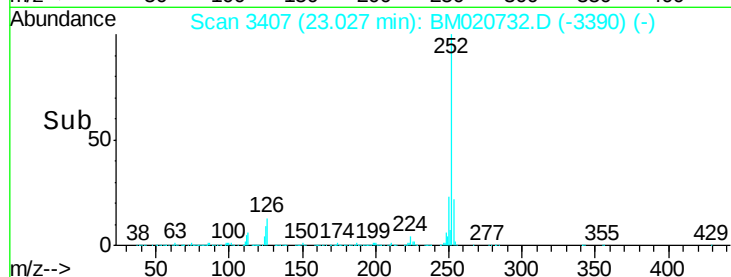
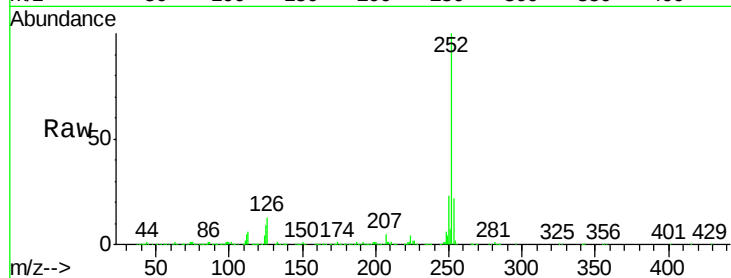
#89  
Benzo(k)fluoranthene  
Concen: 40.776 ng  
RT: 23.03 min Scan# 3407  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
PB120049BS

Tot Ion:252 Resp: 3077134  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 9.3 7.2 10.8

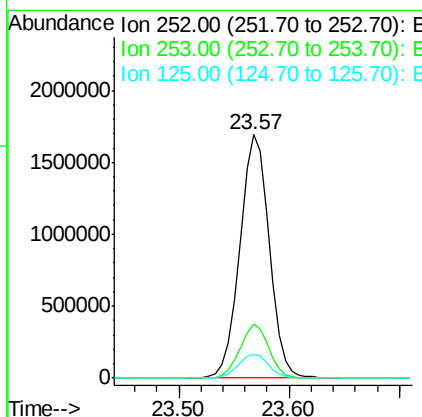
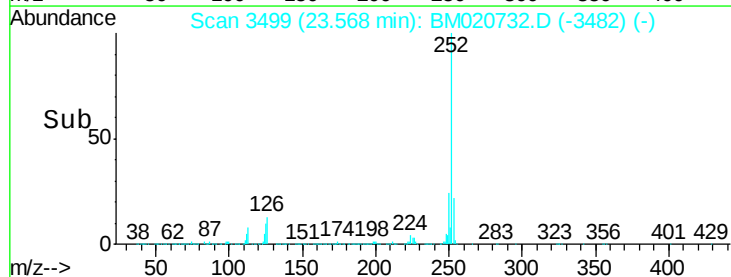
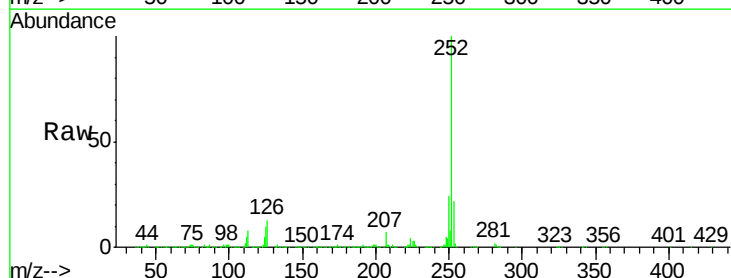
Manual Integrations  
APPROVED

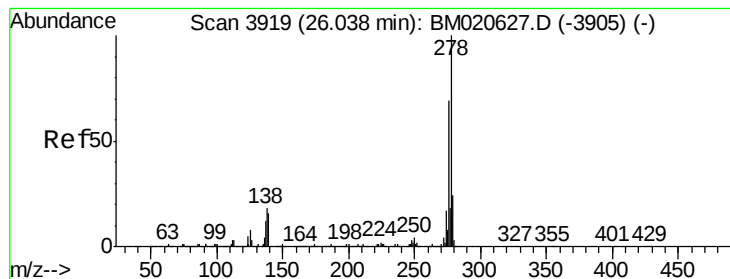
mohammad  
6/6/2019 11:21:33 AM



#90  
Benzo(a)pyrene  
Concen: 45.147 ng  
RT: 23.57 min Scan# 3499  
Delta R.T. -0.00 min  
Lab File: BM020732.D  
Acq: 05 Jun 2019 12:30

Tgt Ion:252 Resp: 3162206  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 9.9 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 50.322 ng

RT: 26.00 min Scan# 3913

Delta R.T. -0.00 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

Instrument :

BNA\_M

ClientSampleId :

PB120049BS

Tot Ion:278 Resp: 3419536

Ion Ratio Lower Upper

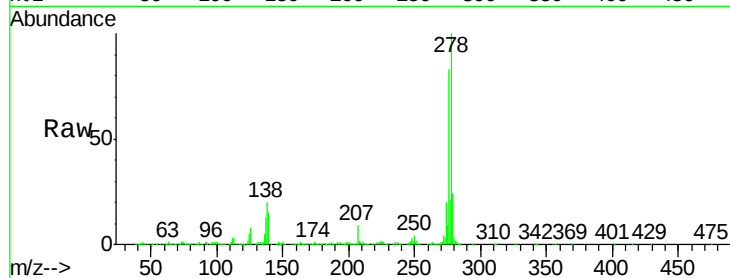
278 100

139 14.9 11.8 17.6

279 23.9 18.3 27.5

Manual Integrations  
APPROVED

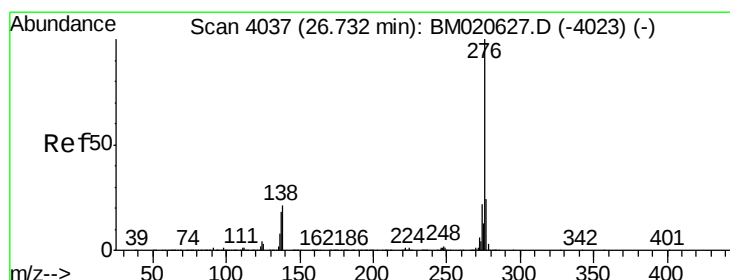
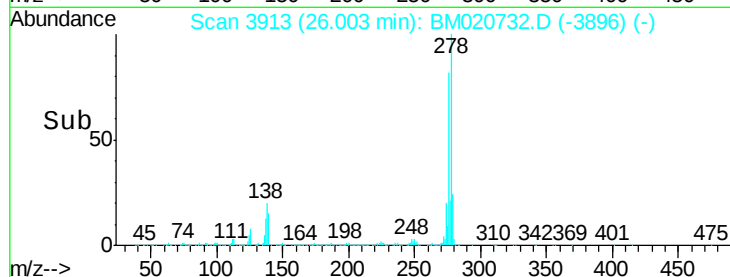
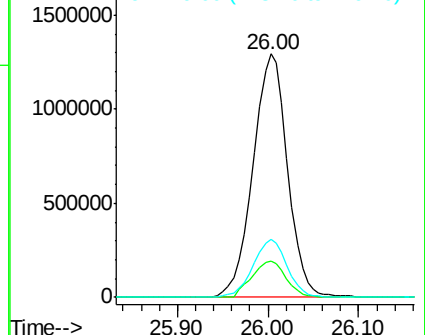
mohammad  
6/6/2019 11:21:33 AM



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: 53.376 ng

RT: 26.70 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BM020732.D

Acq: 05 Jun 2019 12:30

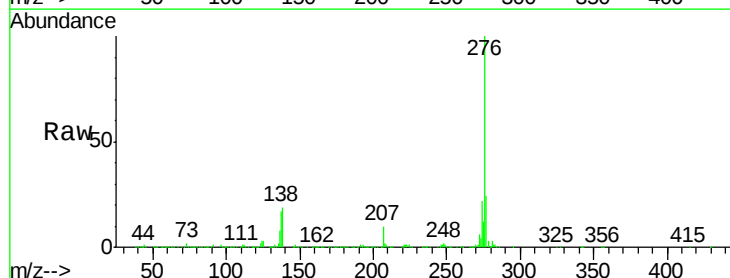
Tgt Ion:276 Resp: 3369015

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 19.3 16.2 24.4



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

