

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052819\  
 Data File : BM020577.D  
 Acq On : 28 May 2019 12:38  
 Operator : JU/SJ  
 Sample : K2641-12MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

Manual Integrations  
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 5/29/2019 6:16:12 PM

Quant Time: May 28 15:58:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 16:07:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 56392    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.44 | 136  | 187748   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.31 | 164  | 122124   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.07 | 188  | 308880   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.26 | 240  | 363045   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.50 | 264  | 403505   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.24  | 112 | 412856  | 143.63 | ng | 0.00  |
| 7) Phenol-d6                | 6.83  | 99  | 490836  | 113.13 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 8.83  | 82  | 406704  | 90.92  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330 | 326806  | 133.57 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 12.92 | 172 | 859947  | 88.36  | ng | -0.01 |
| 79) Terphenyl-d14           | 19.70 | 244 | 1816540 | 90.45  | ng | -0.01 |

|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 65080  | 43.266 | ng | # 78  |
| 3) Pyridine                    | 3.59  | 79  | 105063 | 24.202 | ng | 98    |
| 4) n-Nitrosodimethylamine      | 3.50  | 42  | 46266  | 43.372 | ng | # 96  |
| 6) Aniline                     | 7.00  | 93  | 56393  | 8.986  | ng | 98    |
| 8) 2-Chlorophenol              | 7.22  | 128 | 145367 | 41.357 | ng | 98    |
| 9) Benzaldehyde                | 6.86  | 77  | 11089m | 4.003  | ng |       |
| 10) Phenol                     | 6.86  | 94  | 163469 | 34.892 | ng | 98    |
| 11) bis(2-Chloroethyl)ether    | 7.09  | 93  | 140095 | 40.071 | ng | 99    |
| 12) 1,3-Dichlorobenzene        | 7.54  | 146 | 158172 | 35.138 | ng | 99    |
| 13) 1,4-Dichlorobenzene        | 7.69  | 146 | 156031 | 34.678 | ng | 98    |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 159721 | 35.409 | ng | 97    |
| 15) Benzyl Alcohol             | 7.91  | 79  | 132250 | 32.941 | ng | 96    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 90564  | 37.166 | ng | 98    |
| 17) 2-Methylphenol             | 8.10  | 107 | 108016 | 34.923 | ng | 97    |
| 18) Hexachloroethane           | 8.71  | 117 | 63470  | 34.823 | ng | 93    |
| 19) n-Nitroso-di-n-propylamine | 8.46  | 70  | 134662 | 34.955 | ng | 98    |
| 20) 3+4-Methylphenols          | 8.43  | 107 | 130851 | 31.546 | ng | 99    |
| 22) Acetophenone               | 8.49  | 105 | 223001 | 43.134 | ng | # 100 |
| 24) Nitrobenzene               | 8.87  | 77  | 195345 | 44.220 | ng | 95    |
| 25) Isophorone                 | 9.38  | 82  | 357083 | 42.902 | ng | 99    |
| 26) 2-Nitrophenol              | 9.57  | 139 | 65531  | 40.203 | ng | 93    |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 109124 | 44.941 | ng | 99    |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 169442 | 39.108 | ng | 99    |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 124224 | 38.466 | ng | 97    |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 180786 | 40.942 | ng | 98    |
| 31) Naphthalene                | 10.49 | 128 | 405001 | 41.778 | ng | 99    |
| 32) Benzoic acid               | 9.78  | 122 | 22839  | 21.201 | ng | 93    |
| 33) 4-Chloroaniline            | 10.66 | 127 | 15087m | 3.899  | ng |       |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 138921 | 42.315 | ng | 98    |
| 35) Caprolactam                | 11.45 | 113 | 30129m | 28.347 | ng |       |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 132920 | 37.822 | ng | 96    |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 298689 | 40.331 | ng | 98    |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 293591 | 40.915 | ng | 99    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 244056 | 47.539 | ng | 99    |

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Manual Integrations  
 APPROVED

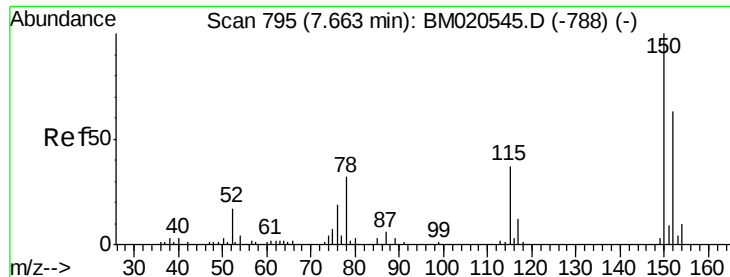
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Quant Time: May 28 15:58:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 16:07:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.45 | 237  | 216879   | 85.530 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.74 | 196  | 132603   | 41.738 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 12.82 | 196  | 128884   | 43.442 | nq    | 99       |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 421228   | 44.785 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.19 | 162  | 340651   | 42.724 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.42 | 65   | 78996    | 33.471 | nq    | 91       |
| 49) Acenaphthylene             | 14.03 | 152  | 521830   | 43.037 | nq    | 99       |
| 50) Dimethylphthalate          | 13.77 | 163  | 448888   | 41.498 | nq    | 98       |
| 51) 2,6-Dinitrotoluene         | 13.91 | 165  | 94432    | 41.885 | nq    | 94       |
| 52) Acenaphthene               | 14.37 | 154  | 310097   | 42.439 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.27 | 138  | 22223    | 15.349 | nq    | 93       |
| 54) 2,4-Dinitrophenol          | 14.47 | 184  | 92640    | 65.402 | nq    | 98       |
| 55) Dibenzofuran               | 14.72 | 168  | 552774   | 43.717 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 73836    | 52.895 | nq    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.71 | 165  | 128956   | 39.609 | nq    | # 86     |
| 58) Fluorene                   | 15.37 | 166  | 435999   | 41.510 | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 148293   | 42.957 | nq    | 98       |
| 60) Diethylphthalate           | 15.14 | 149  | 442779   | 41.545 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 283909   | 42.339 | nq    | 98       |
| 62) 4-Nitroaniline             | 15.43 | 138  | 42752    | 22.559 | nq    | 99       |
| 63) Azobenzene                 | 15.66 | 77   | 446829   | 43.086 | nq    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 74313    | 39.301 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.58 | 169  | 378229   | 45.161 | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 183126   | 44.504 | nq    | 97       |
| 68) Hexachlorobenzene          | 16.36 | 284  | 217968   | 43.690 | nq    | 99       |
| 69) Atrazine                   | 16.54 | 200  | 125538   | 36.432 | nq    | 99       |
| 70) Pentachlorophenol          | 16.72 | 266  | 240240   | 93.225 | nq    | 99       |
| 71) Phenanthrene               | 17.11 | 178  | 725704   | 43.248 | nq    | 99       |
| 72) Anthracene                 | 17.20 | 178  | 687685   | 42.260 | nq    | 99       |
| 73) Carbazole                  | 17.49 | 167  | 556173   | 39.826 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 740767   | 43.120 | nq    | 99       |
| 75) Fluoranthene               | 19.13 | 202  | 980911   | 42.037 | nq    | 99       |
| 77) Benzidine                  | 19.37 | 184  | 44006m   | 6.596  | nq    |          |
| 78) Pyrene                     | 19.50 | 202  | 1003178  | 44.014 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 348094   | 43.467 | nq    | 100      |
| 81) Benzo(a)anthracene         | 21.25 | 228  | 1051543  | 41.850 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 192807   | 21.023 | nq    | 98       |
| 83) Chrysene                   | 21.30 | 228  | 1053513  | 43.391 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 528055   | 45.242 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 22.04 | 149  | 942906   | 46.469 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 1408537  | 47.980 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 1156449  | 43.788 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.87 | 252  | 1177260  | 45.929 | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 1120325  | 46.098 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.78 | 278  | 1206990  | 48.518 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.47 | 276  | 1156165  | 50.135 | nq    | 100      |

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





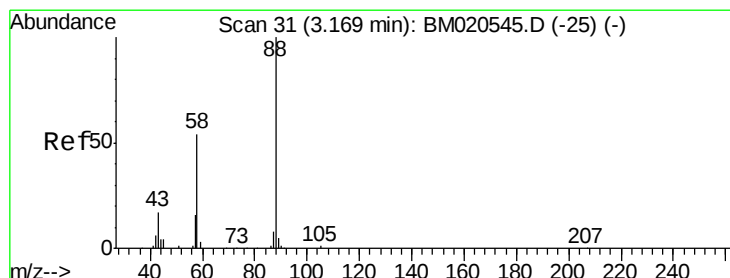
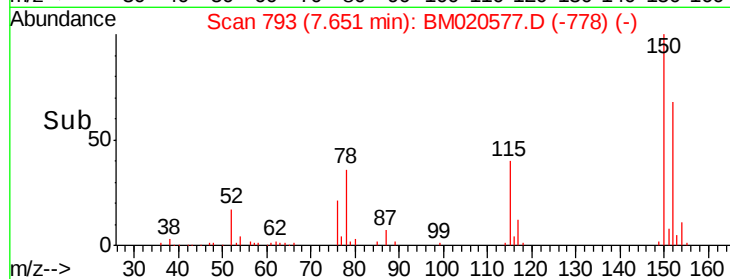
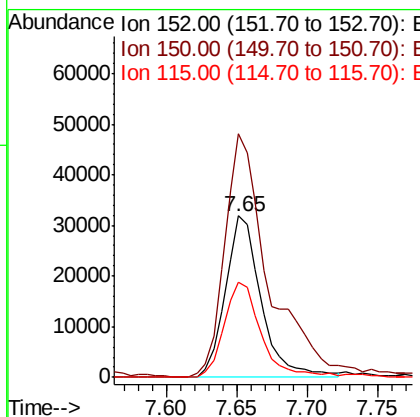
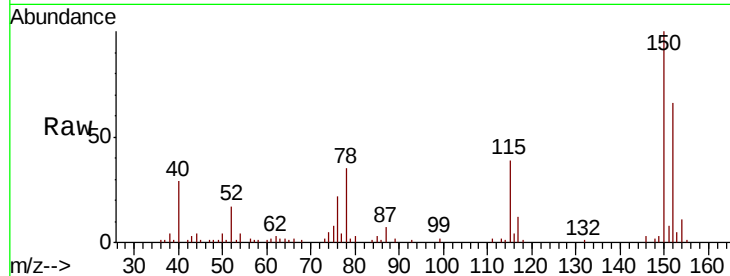
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.65 min Scan# 793  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.0 | 126.6 | 190.0 |
| 115     | 59.3  | 46.6  | 70.0  |

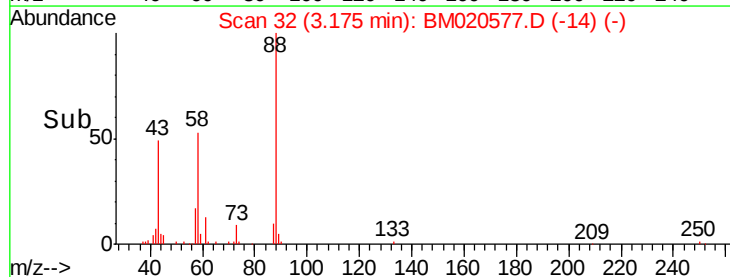
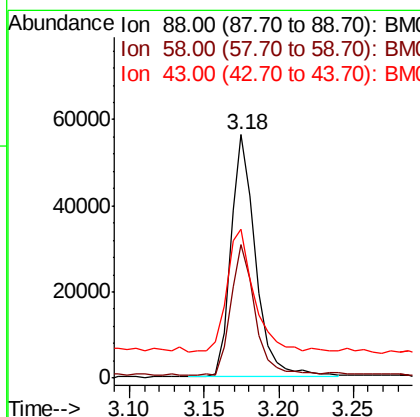
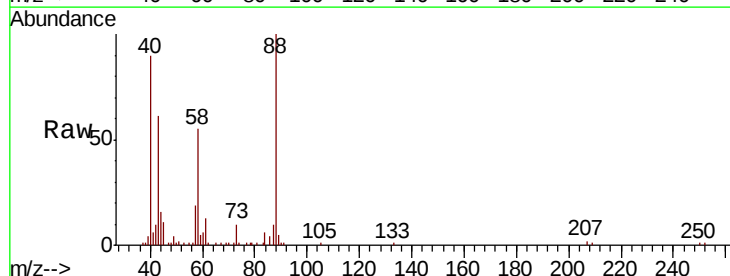
Manual Integrations  
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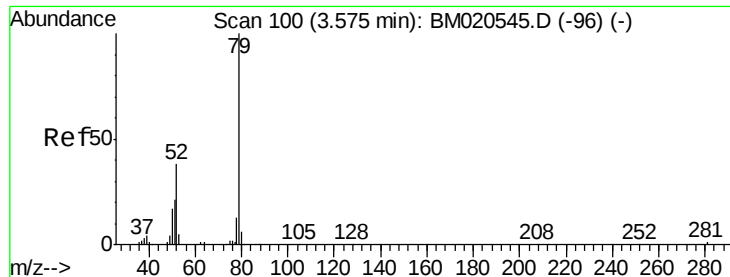
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#2  
 1,4-Dioxane  
 Concen: 43.266 ng  
 RT: 3.18 min Scan# 32  
 Delta R.T. 0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 52.9  | 42.3  | 63.5  |
| 43      | 57.1  | 16.0  | 24.0  |





#3

Pvridine

Concen: 24.202 ng

RT: 3.59 min Scan# 102

Delta R.T. 0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

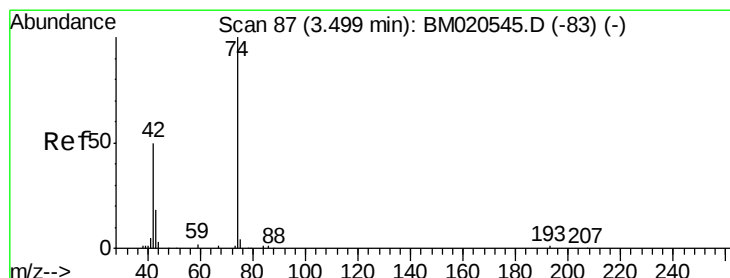
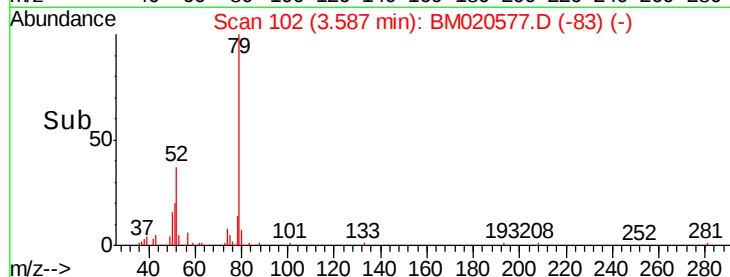
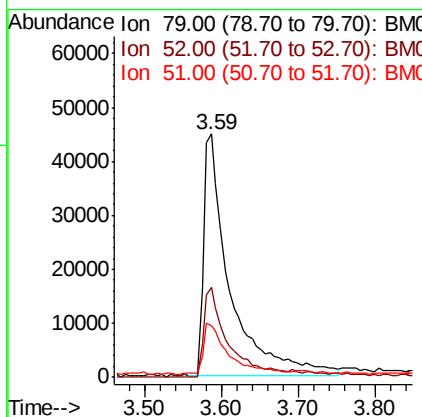
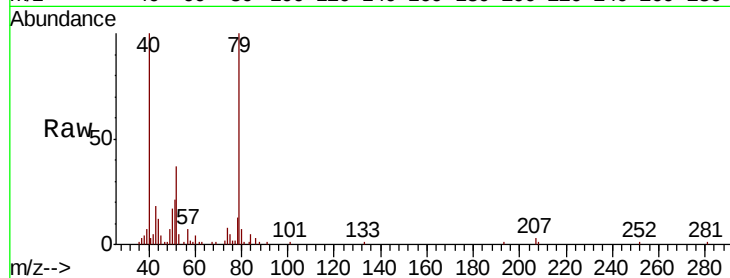
ClientSampleId :

CL-02-051719MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 105063 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 37.0  | 30.1  | 45.1   |
| 51       | 21.0  | 17.8  | 26.8   |

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#4

n-Nitrosodimethylamine

Concen: 43.372 ng

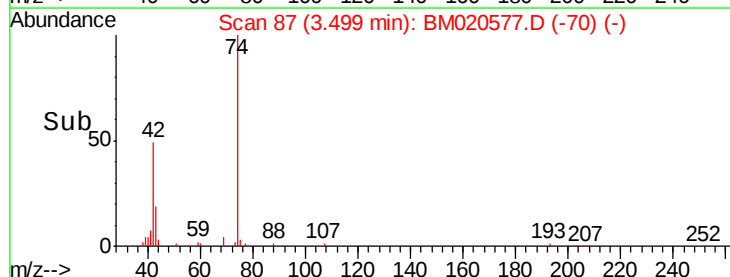
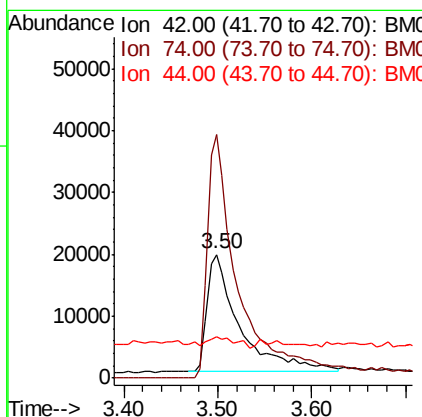
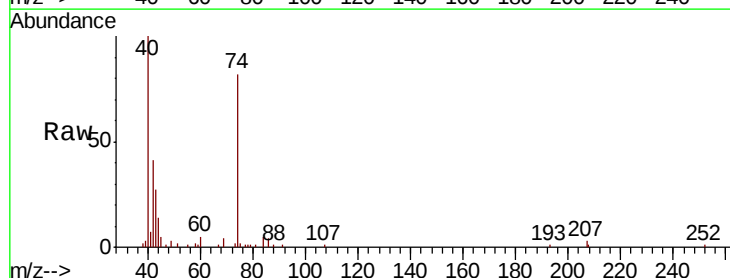
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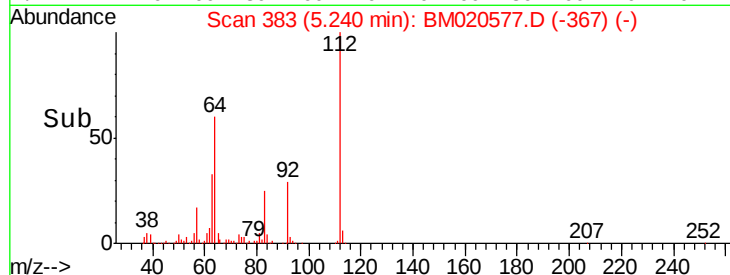
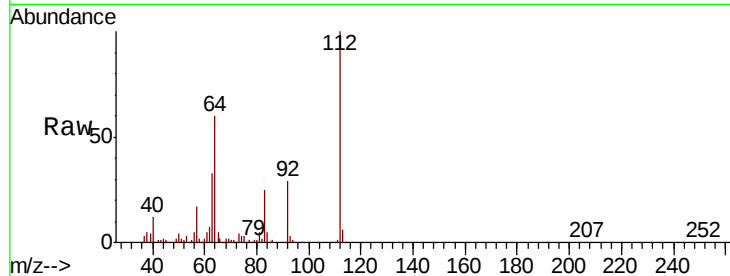
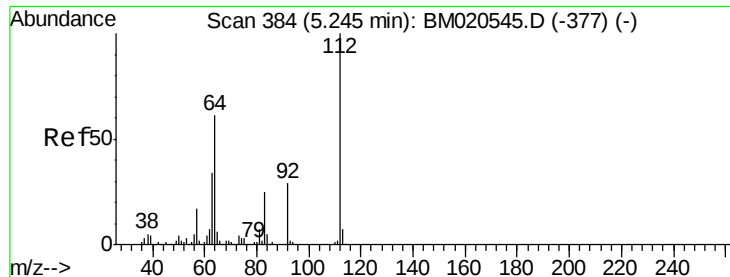
Delta R.T. 0.00 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 46266 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 197.1 | 161.1 | 241.7 |
| 44       | 33.3  | 20.9  | 31.3  |





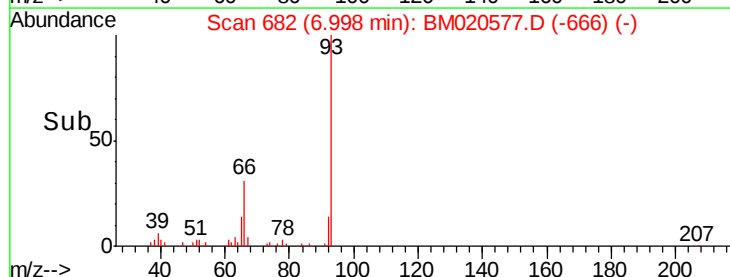
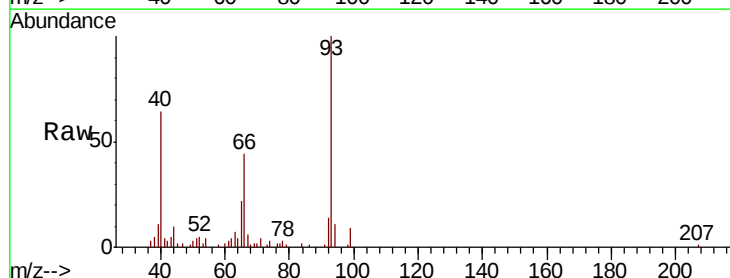
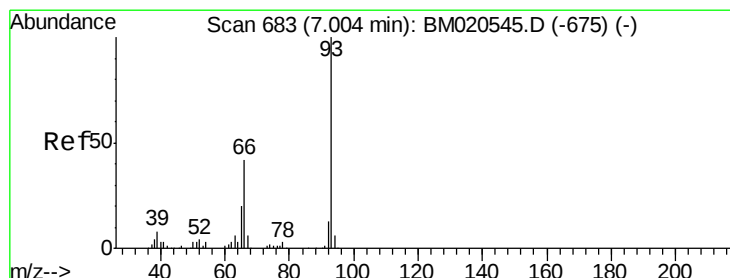
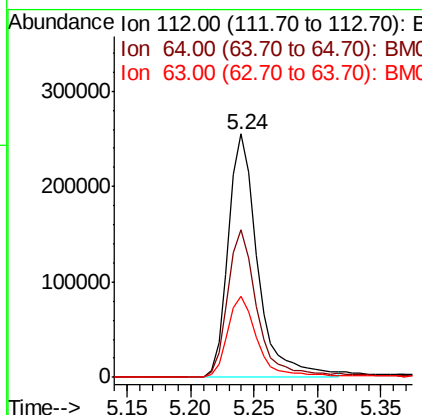
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2-Fluorophenol  
Concen: 143.628 ng  
RT: 5.24 min Scan# 383  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 60.4  | 48.6       | 73.0  |
| 63      | 33.4  | 27.4       | 41.0  |

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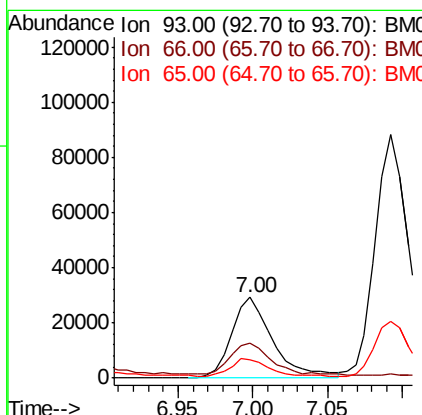
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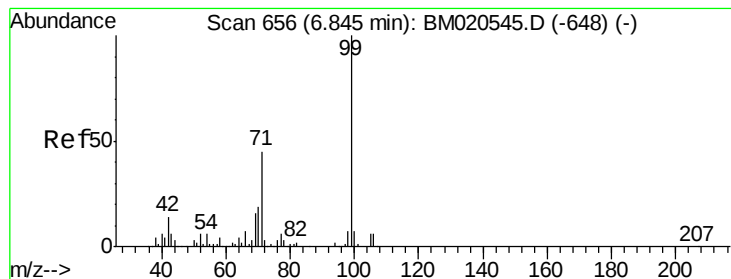
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#6  
Aniline  
Concen: 8.986 ng  
RT: 7.00 min Scan# 682  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 43.6  | 34.5       | 51.7  |
| 65      | 22.1  | 16.2       | 24.2  |





#7

Phenol-d6

Concen: 113.133 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

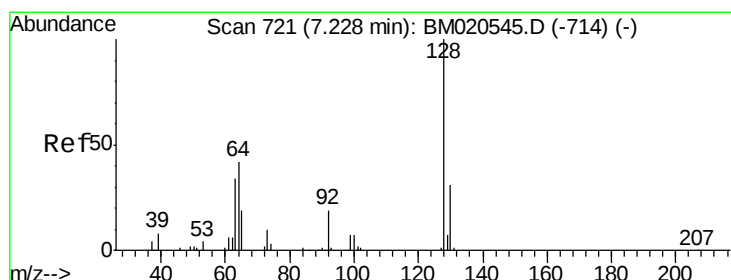
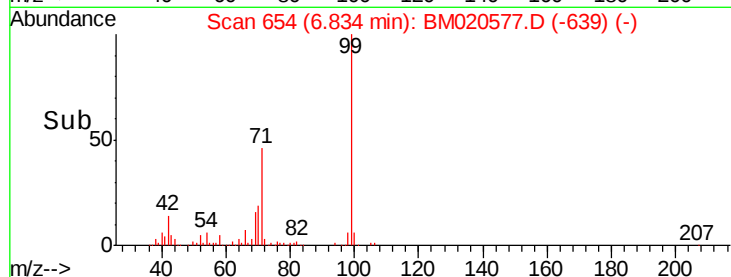
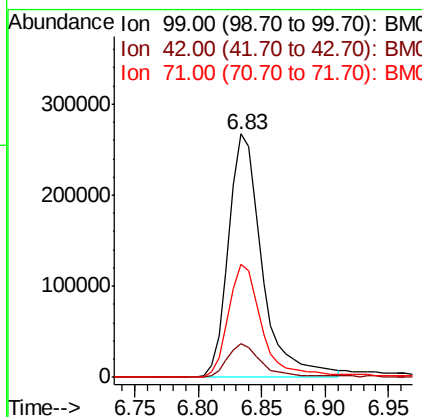
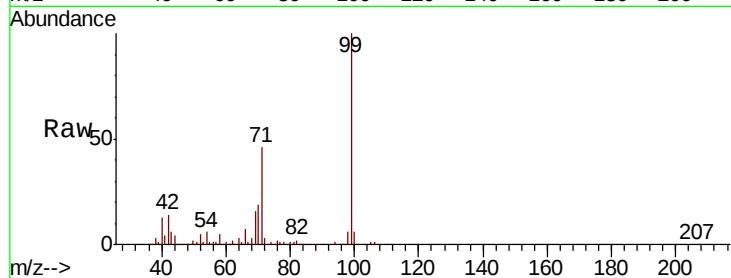
ClientSampleId :

CL-02-051719MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 490836 |       |       |
| 42      | 13.8 | 10.8  | 16.2   |       |       |
| 71      | 46.3 | 36.3  | 54.5   |       |       |

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#8

2-Chlorophenol

Concen: 41.357 ng

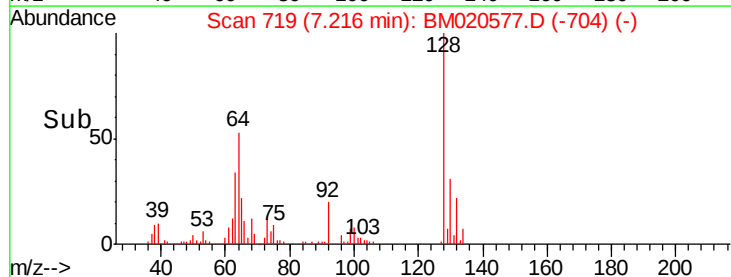
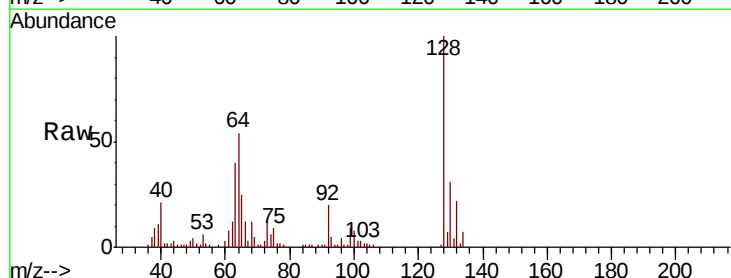
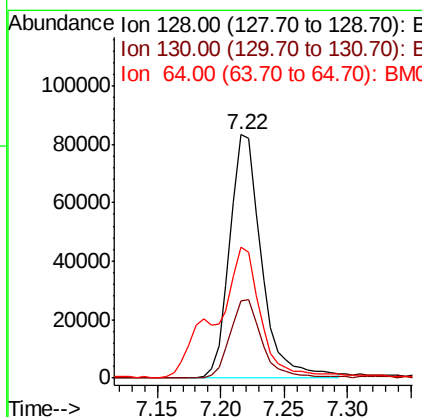
RT: 7.22 min Scan# 719

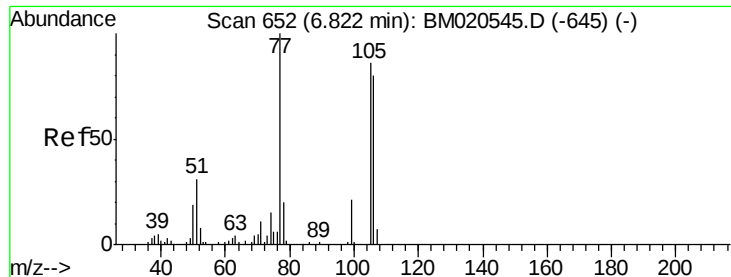
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 145367 |       |       |
| 130     | 31.5 | 11.2  | 51.2   |       |       |
| 64      | 53.6 | 31.1  | 71.1   |       |       |





#9

Benzaldehyde

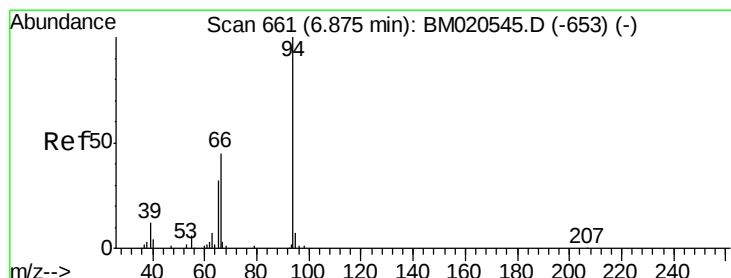
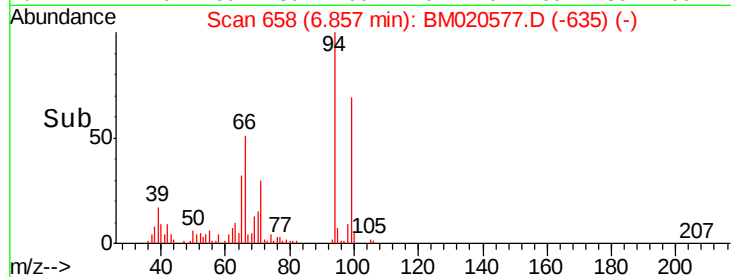
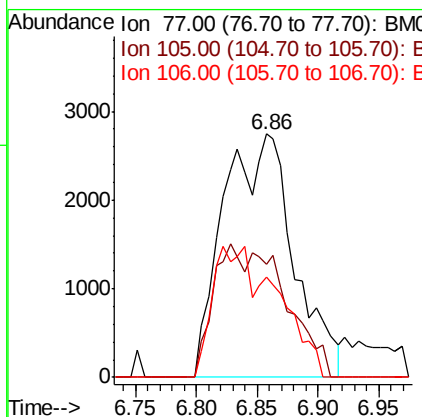
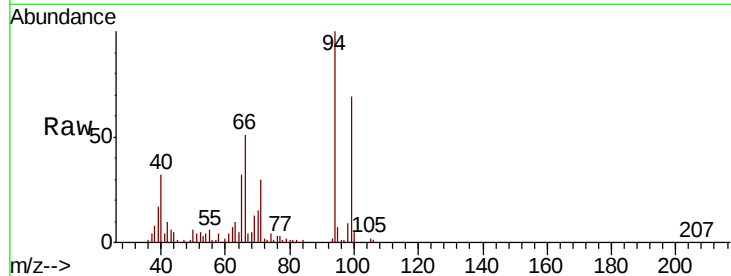
Concen: 4.003 ng/mL  
 RT: 6.86 min Scan# 658  
 Delta R.T. 0.04 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleID :  
 CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 77      | 100   |       |        |
| 105     | 46.7  | 66.1  | 106.1# |
| 106     | 41.1  | 60.0  | 100.0# |

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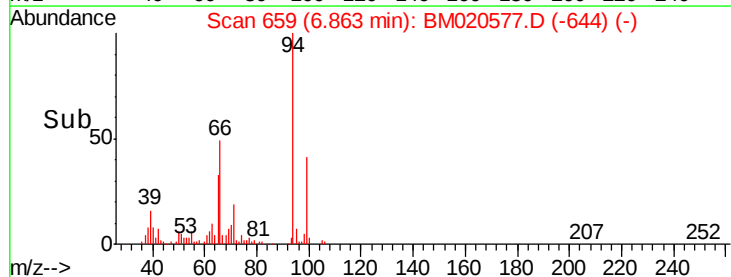
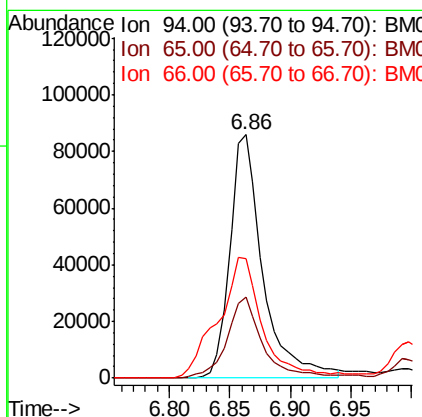
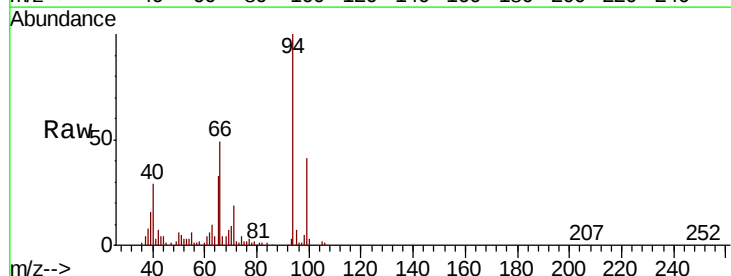


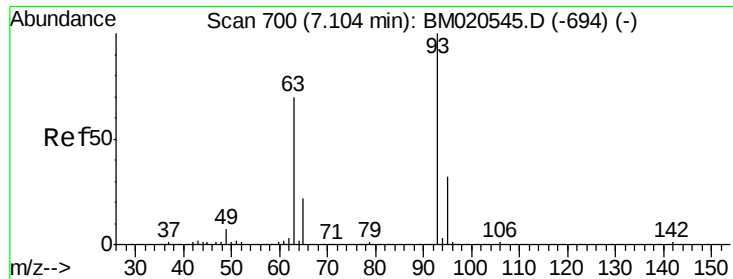
#10

Phenol

Concen: 34.892 ng/mL  
 RT: 6.86 min Scan# 659  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 33.3  | 12.4  | 52.4  |
| 66      | 49.2  | 27.4  | 67.4  |





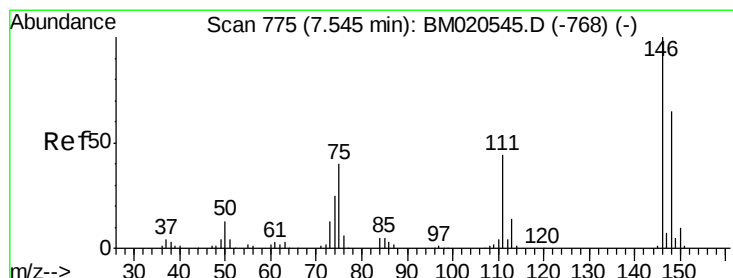
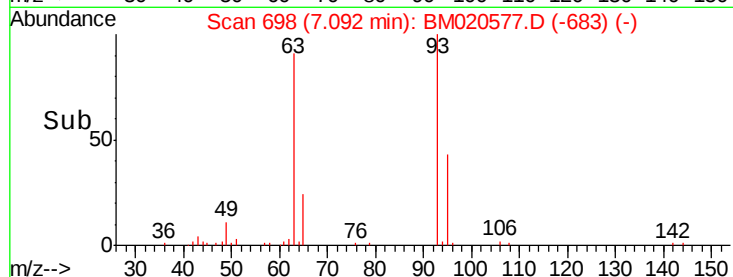
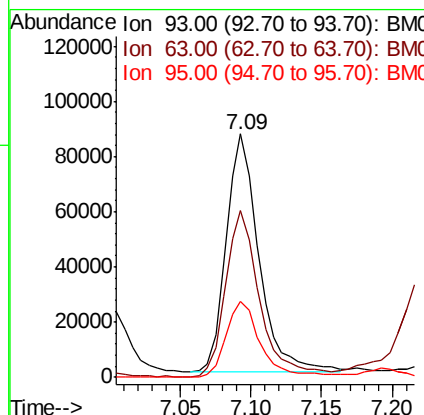
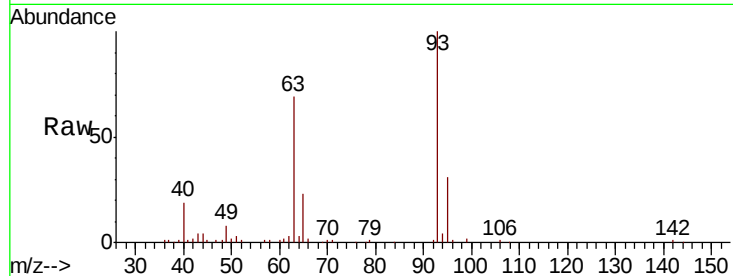
#11  
bis(2-Chloroethyl)ether  
Concen: 40.071 ng  
RT: 7.09 min Scan# 698  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 140095 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 68.6  | 47.6  | 87.6   |
| 95       | 31.2  | 10.9  | 50.9   |

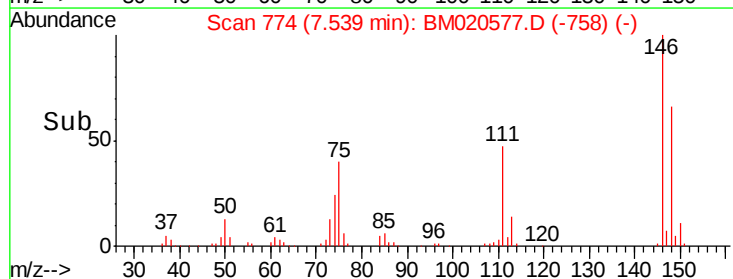
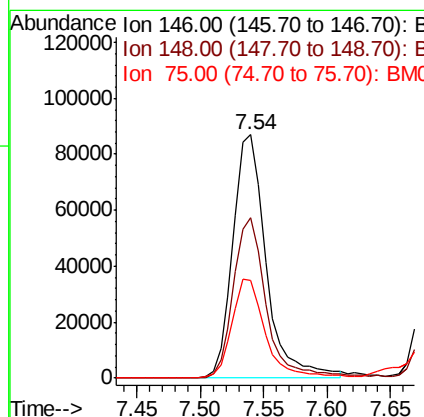
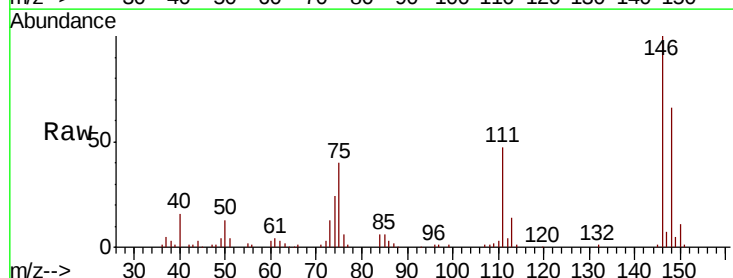
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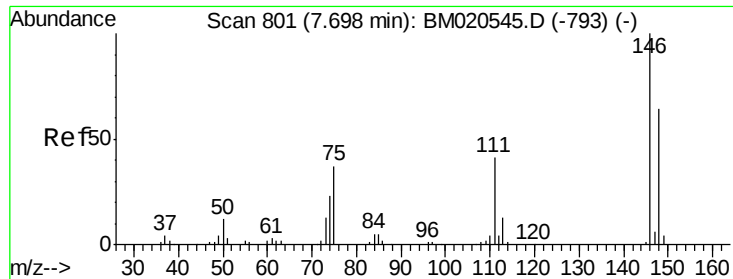
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 35.138 ng  
RT: 7.54 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 158172 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 66.1  | 51.9  | 77.9   |
| 75       | 40.0  | 31.6  | 47.4   |





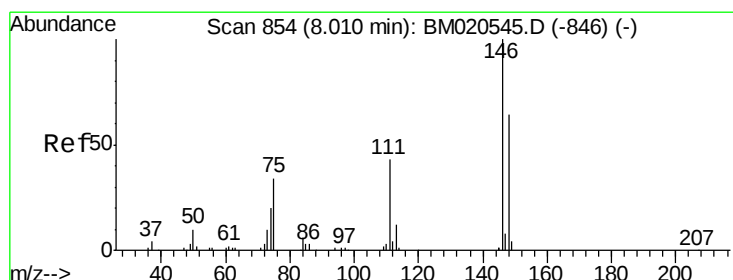
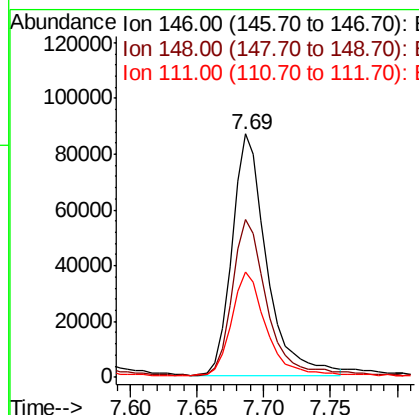
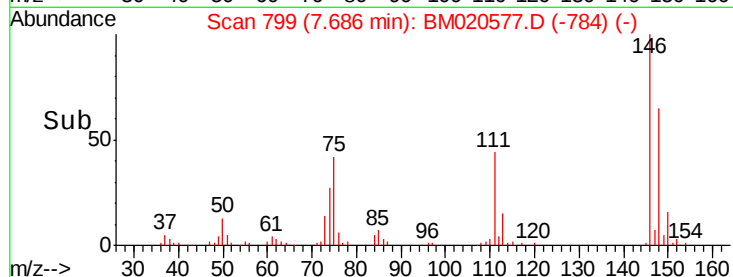
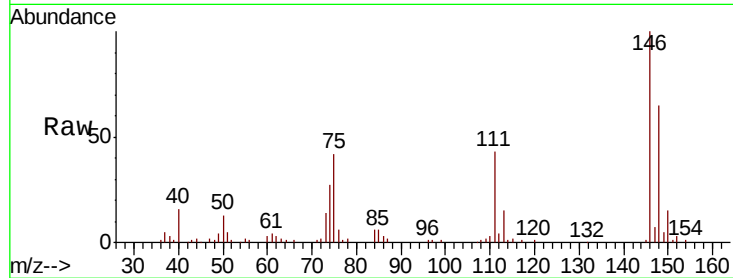
#13  
 1,4-Dichlorobenzene  
 Concen: 34.678 ng  
 RT: 7.69 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 51.1  | 76.7  |
| 111     | 43.4  | 33.5  | 50.3  |

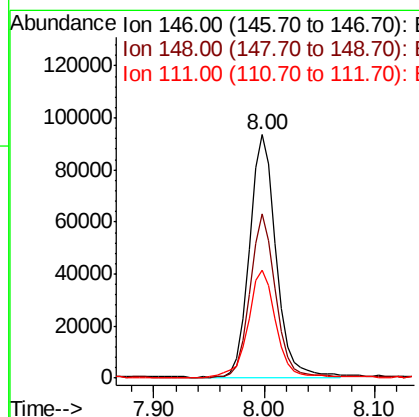
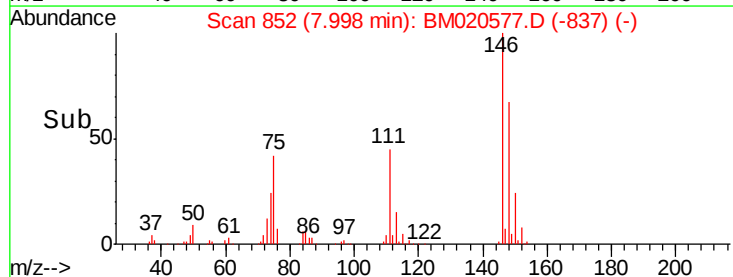
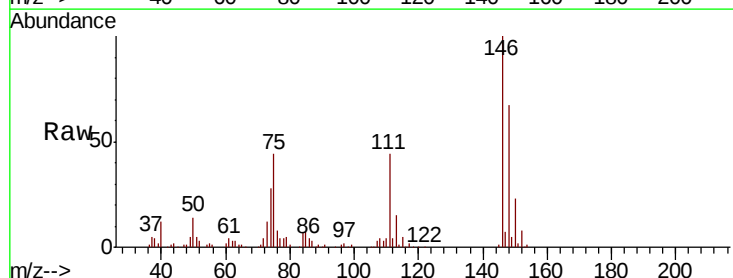
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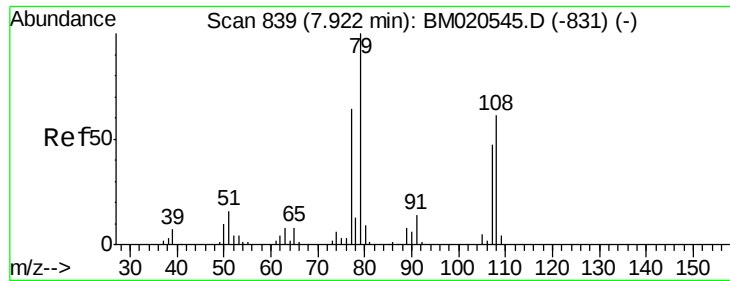
mohammad  
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#14  
 1,2-Dichlorobenzene  
 Concen: 35.409 ng  
 RT: 8.00 min Scan# 852  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.5  | 51.2  | 76.8  |
| 111     | 44.4  | 35.2  | 52.8  |





#15

Benzyl Alcohol

Concen: 32.941 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

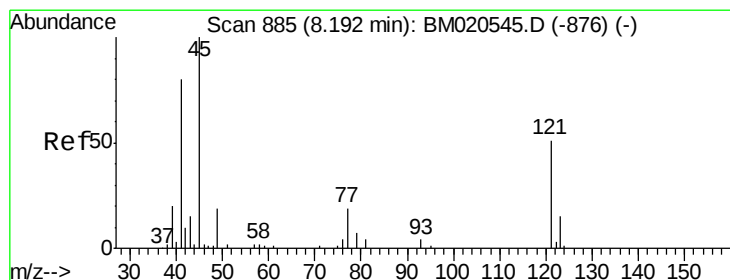
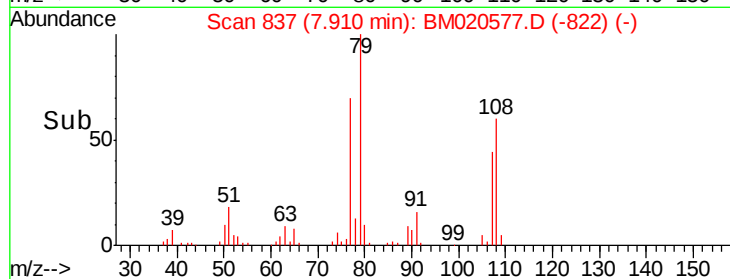
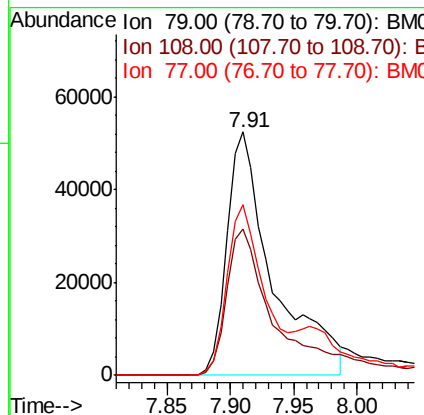
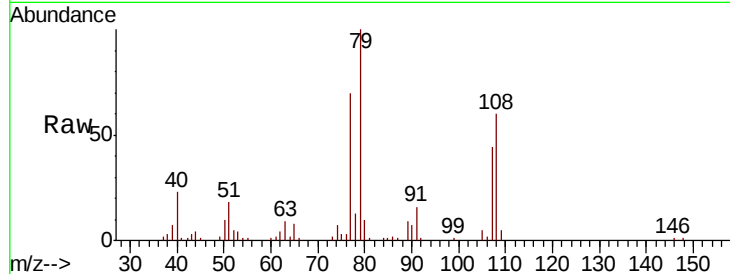
ClientSampleId :

CL-02-051719MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 132250 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 60.3  | 48.5  | 72.7   |
| 77        | 69.8  | 50.9  | 76.3   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.166 ng

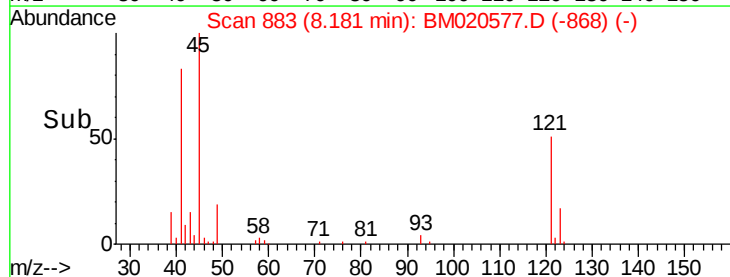
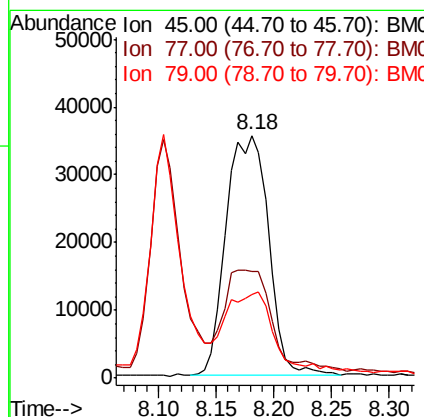
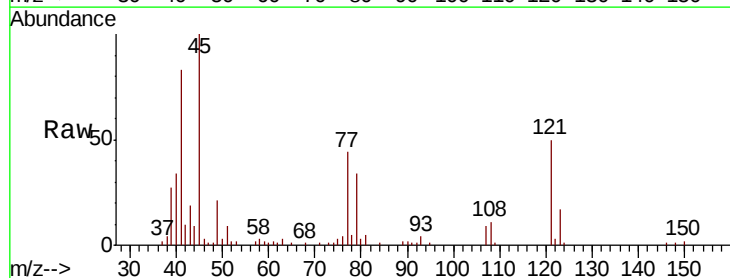
RT: 8.18 min Scan# 883

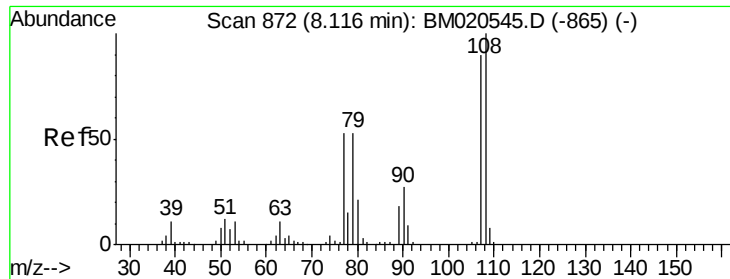
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 45    | Resp: | 90564 |
| Ion Ratio | Lower | Upper |       |
| 45        | 100   |       |       |
| 77        | 44.0  | 25.0  | 65.0  |
| 79        | 34.2  | 13.1  | 53.1  |





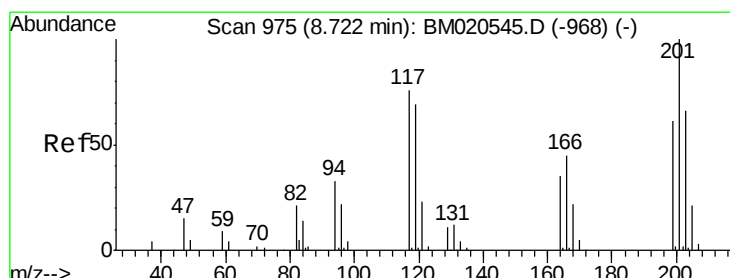
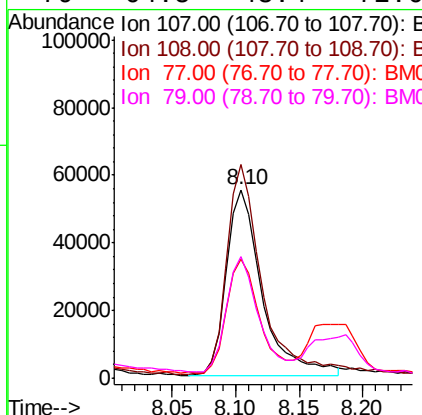
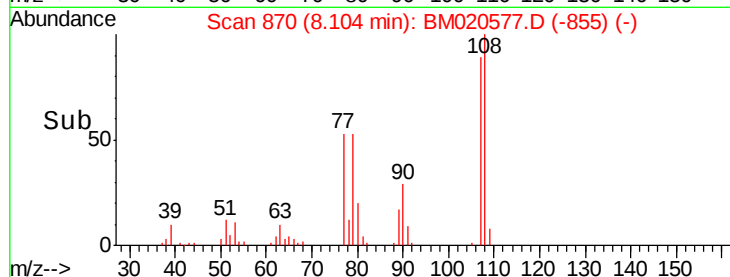
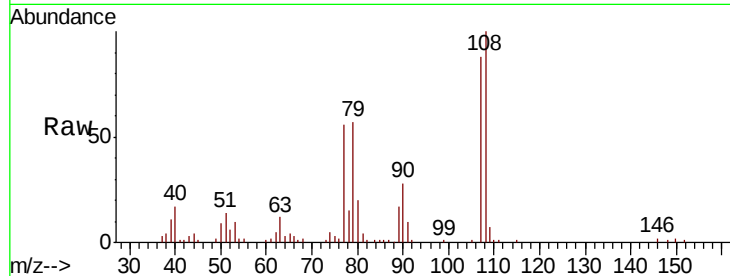
#17  
2-Methylphenol  
Concen: 34.923 ng  
RT: 8.10 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 113.4 | 89.4 | 134.2 |       |
| 77      | 63.1  | 48.2 | 72.4  |       |
| 79      | 64.5  | 48.4 | 72.6  |       |

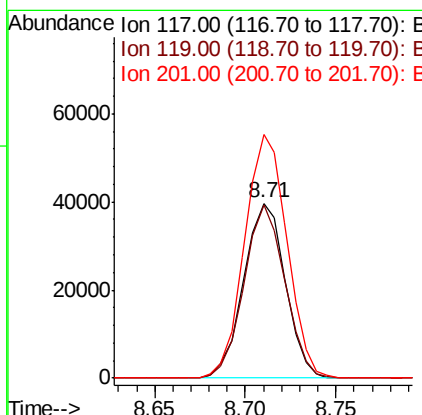
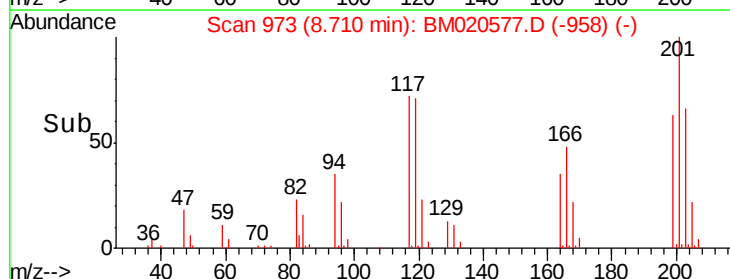
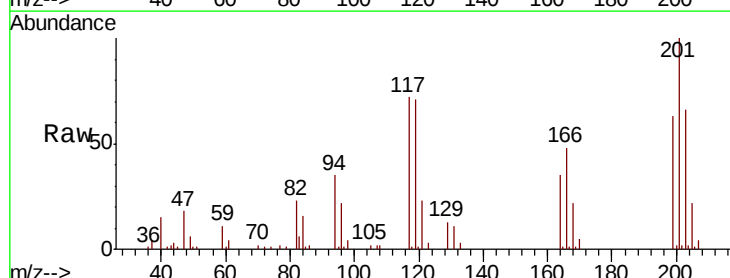
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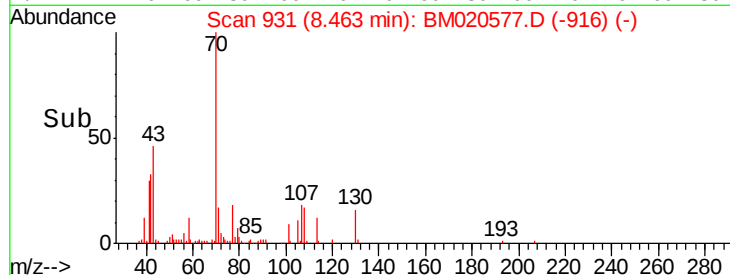
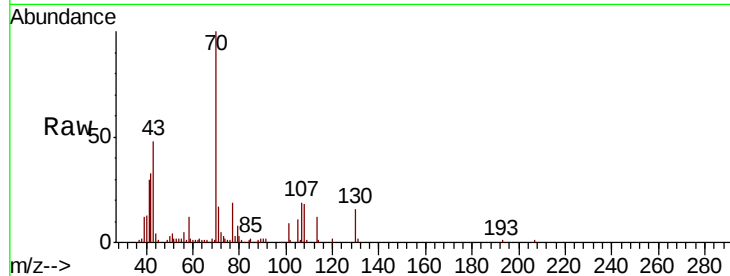
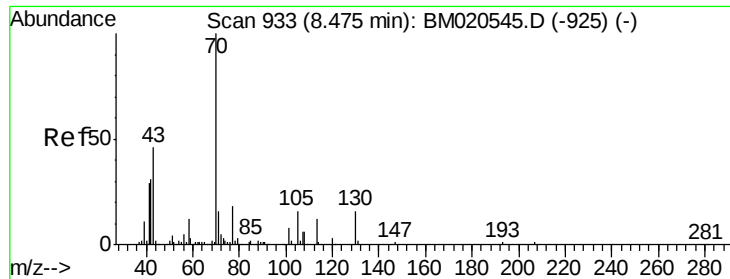
mohammad  
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#18  
Hexachloroethane  
Concen: 34.823 ng  
RT: 8.71 min Scan# 973  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   |       |       |       |
| 119     | 98.8  | 73.2  | 109.8 |       |
| 201     | 139.3 | 105.8 | 158.8 |       |





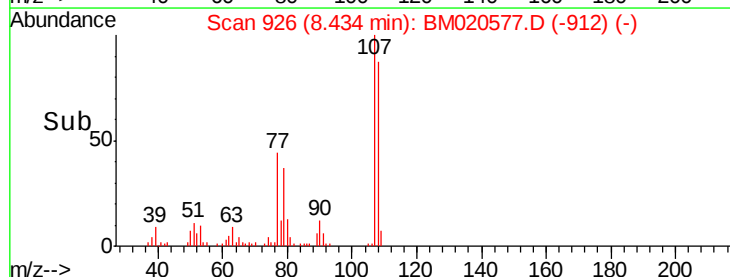
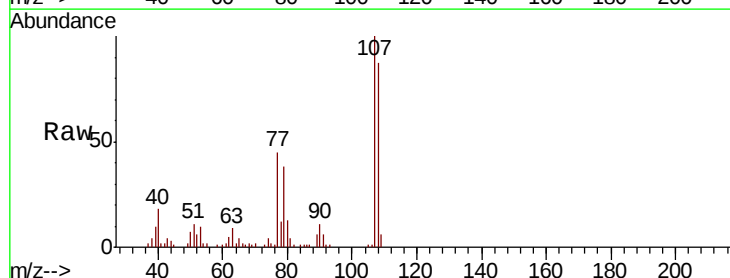
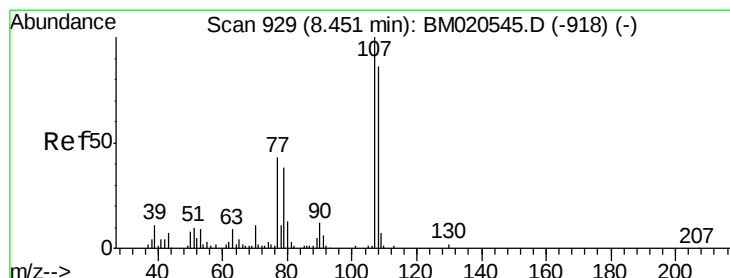
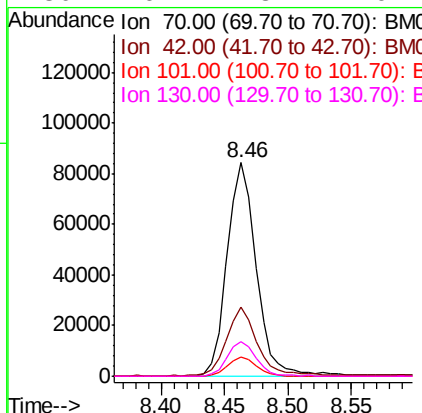
#19  
n-Nitroso-di-n-propylamine  
Concen: 34.955 ng  
RT: 8.46 min Scan# 931  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 134662 |       |       |
| 42      | 32.7 | 24.7  | 37.1   |       |       |
| 101     | 8.9  | 6.8   | 10.2   |       |       |
| 130     | 16.1 | 13.1  | 19.7   |       |       |

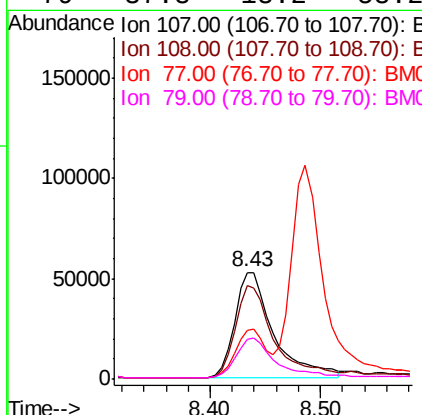
Manual Integrations  
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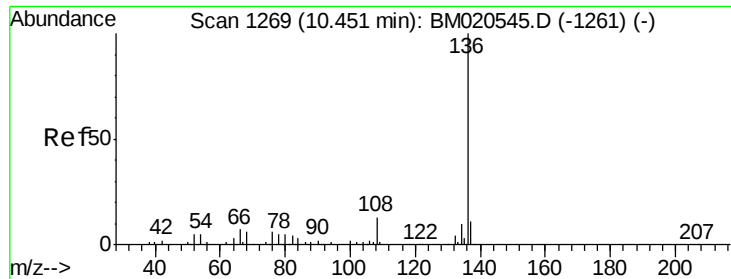
mohammad  
5/29/2019 6:16:12 PM



#20  
3+4-Methylphenols  
Concen: 31.546 ng  
RT: 8.43 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 130851 |       |       |
| 108     | 87.2 | 66.5  | 106.5  |       |       |
| 77      | 45.4 | 23.0  | 63.0   |       |       |
| 79      | 37.8 | 18.2  | 58.2   |       |       |





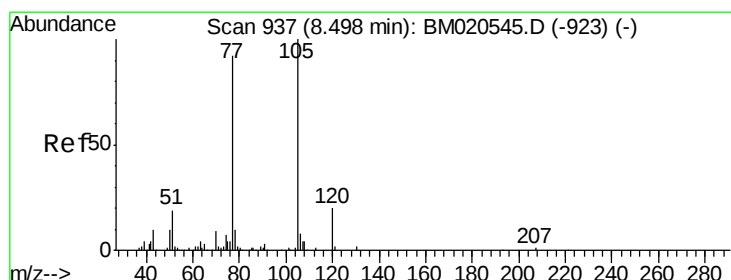
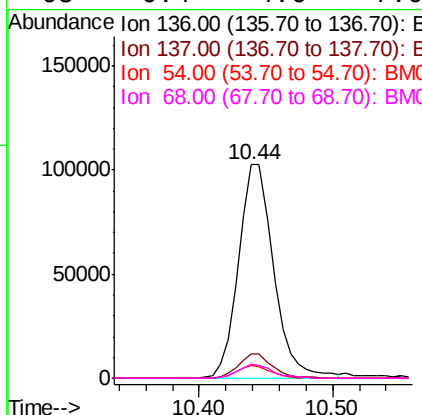
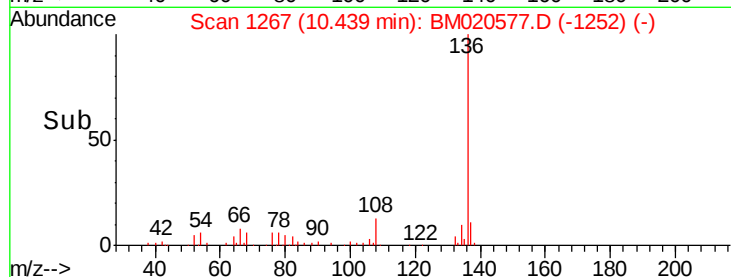
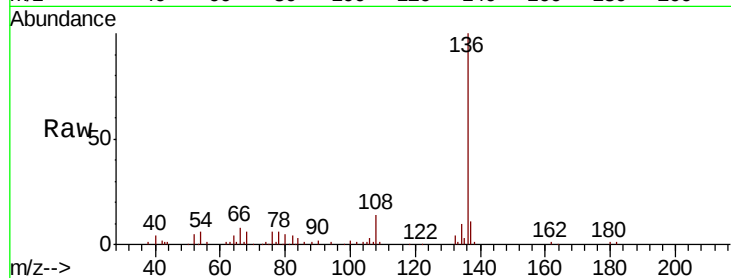
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.44 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 187748 |       |       |
| 137     | 11.3  |        | 8.4   | 12.6  |
| 54      | 6.3   |        | 4.2   | 6.4   |
| 68      | 6.4   |        | 4.6   | 7.0   |

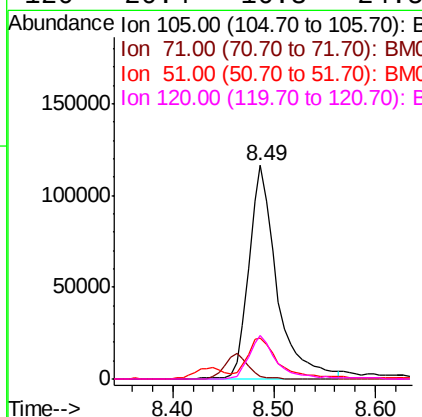
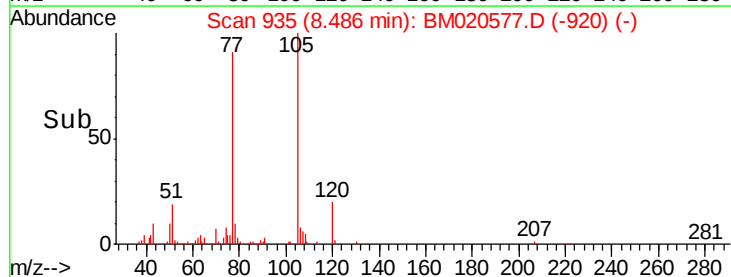
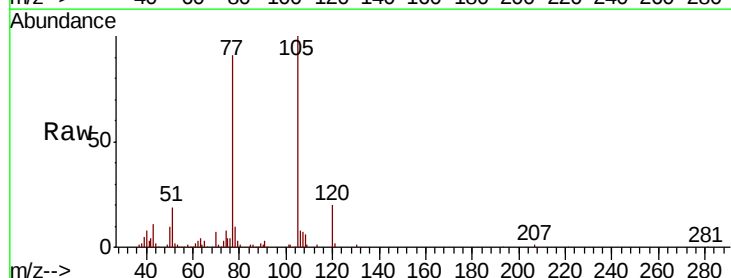
Manual Integrations  
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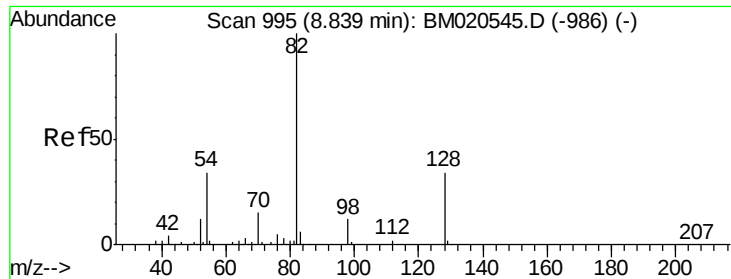
mohammad  
5/29/2019 6:16:12 PM



#22  
Acetophenone  
Concen: 43.134 ng  
RT: 8.49 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 223001 |       |       |
| 71      | 1.2   |        | 1.3   | 1.9#  |
| 51      | 19.5  |        | 15.7  | 23.5  |
| 120     | 20.4  |        | 16.3  | 24.5  |





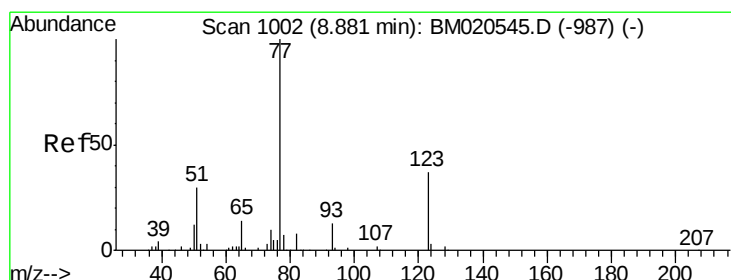
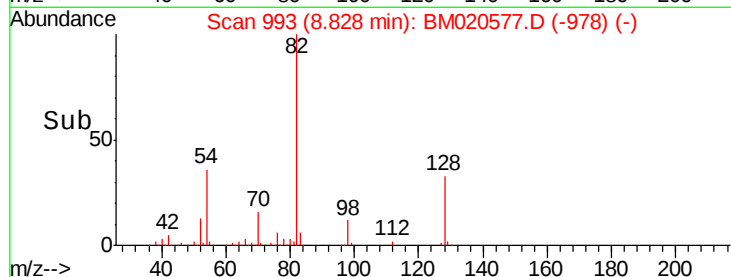
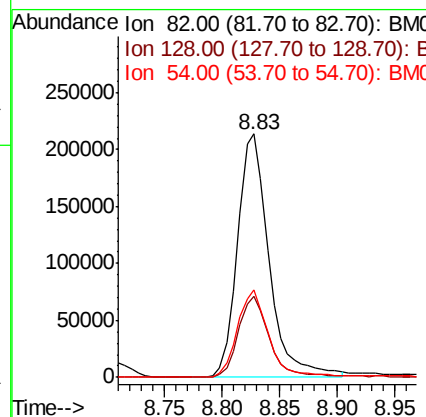
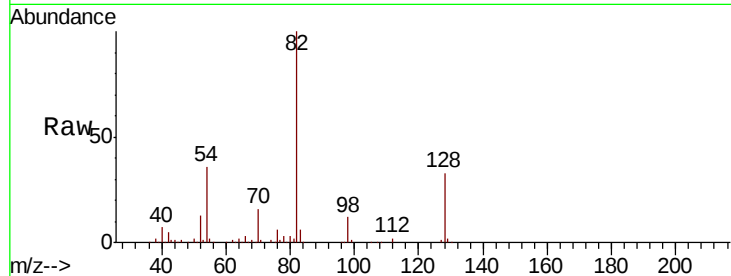
#23  
 Nitrobenzene-d5  
 Concen: 90.923 ng  
 RT: 8.83 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 33.4  | 27.0 | 40.4  |       |
| 54      | 35.7  | 27.4 | 41.2  |       |

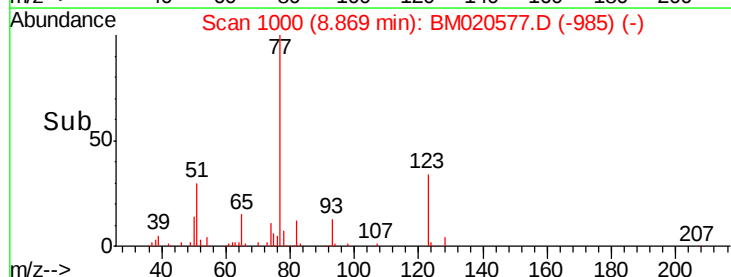
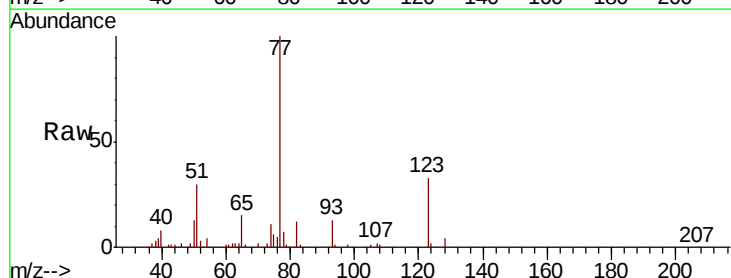
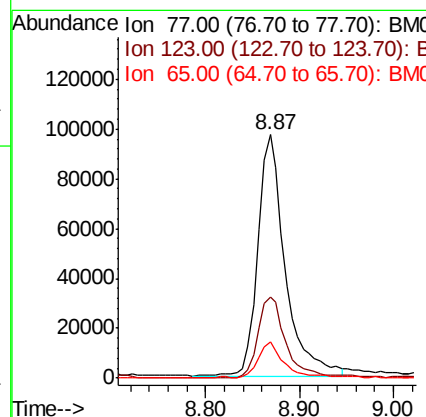
Manual Integrations  
 APPROVED

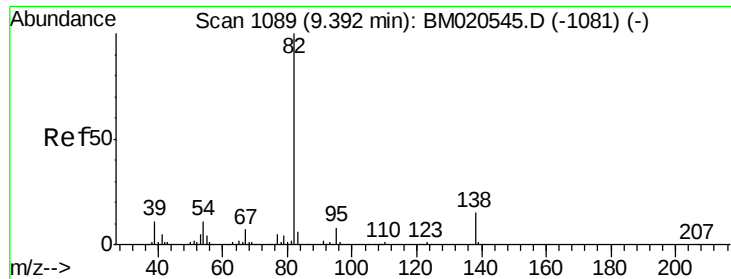
mohammad  
 5/29/2019 6:16:12 PM



#24  
 Nitrobenzene  
 Concen: 44.220 ng  
 RT: 8.87 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 33.2  | 29.4 | 44.2  |       |
| 65      | 14.6  | 10.8 | 16.2  |       |





#25

Isophorone

Concen: 42.902 ng

RT: 9.38 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

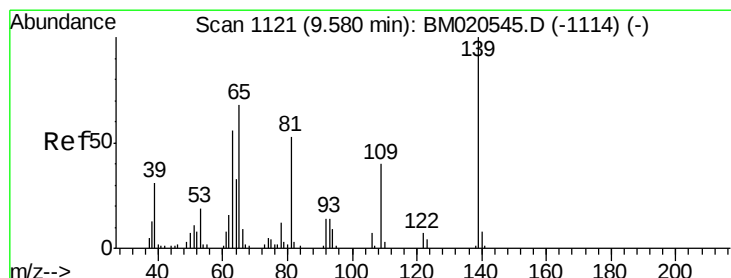
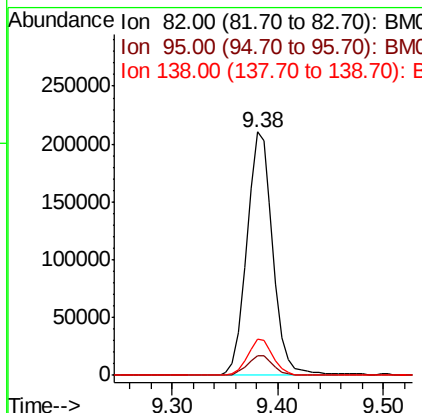
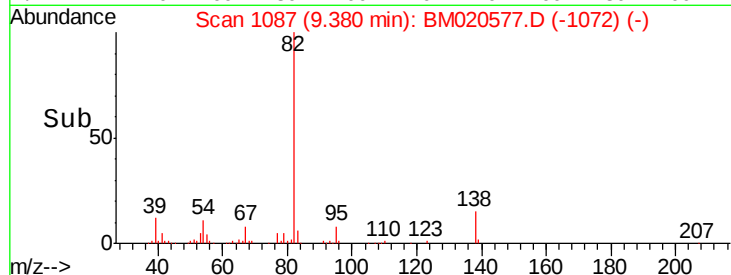
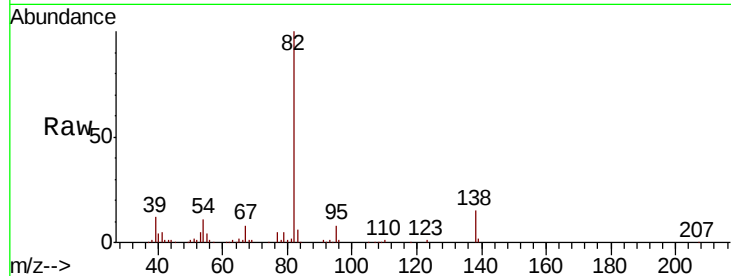
ClientSampleId :

CL-02-051719MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 357083 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.1   | 6.7   | 10.1   |
| 138       | 14.8  | 12.0  | 18.0   |

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#26

2-Nitrophenol

Concen: 40.203 ng

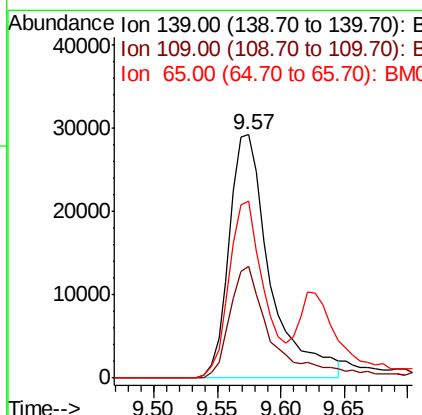
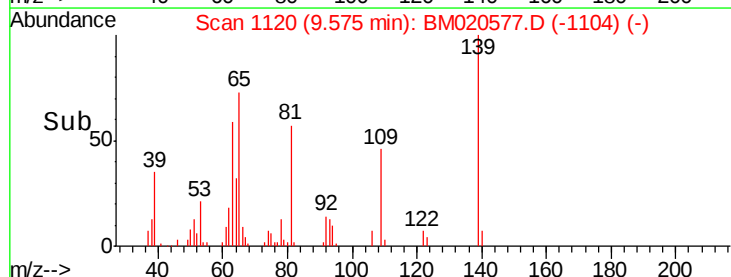
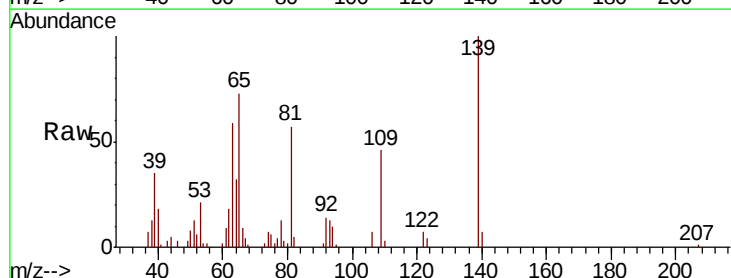
RT: 9.57 min Scan# 1120

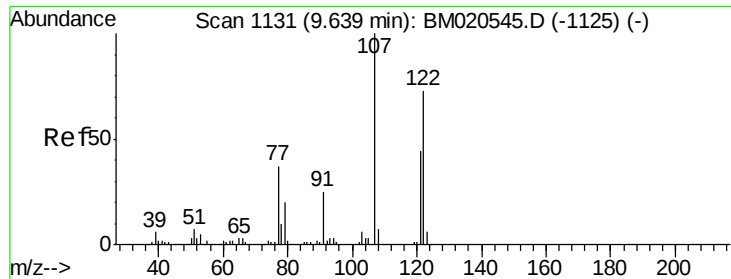
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 65531 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 45.7  | 32.3  | 48.5  |
| 65        | 72.9  | 54.4  | 81.6  |





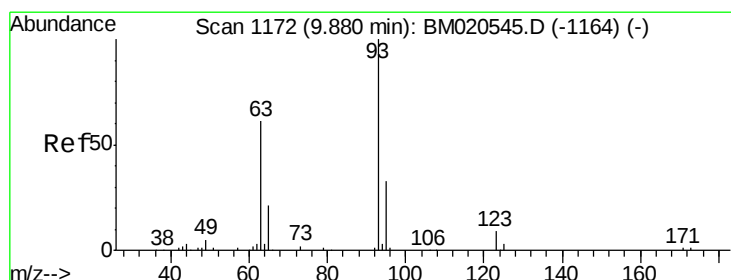
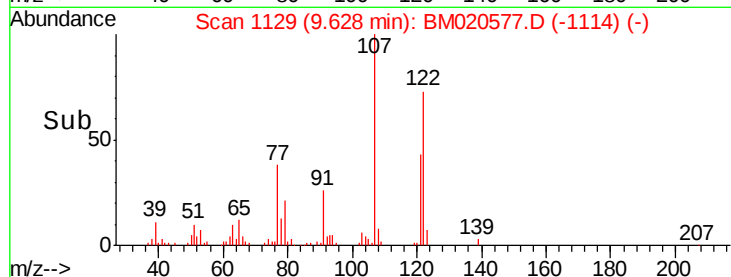
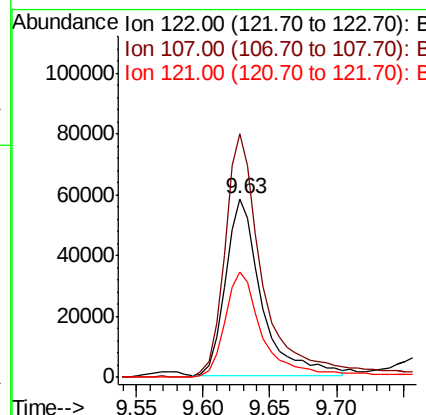
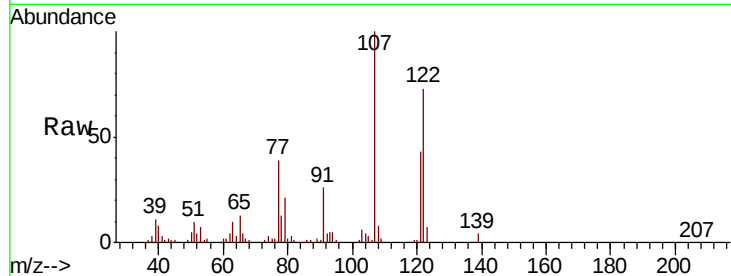
#27  
2,4-Dimethylphenol  
Concen: 44.941 ng  
RT: 9.63 min Scan# 1129  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 136.3 | 108.2 | 162.2 |
| 121     | 59.2  | 47.4  | 71.0  |

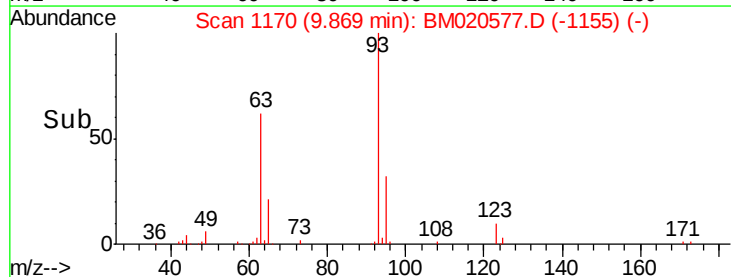
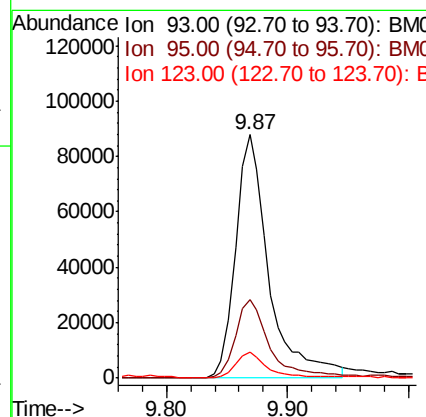
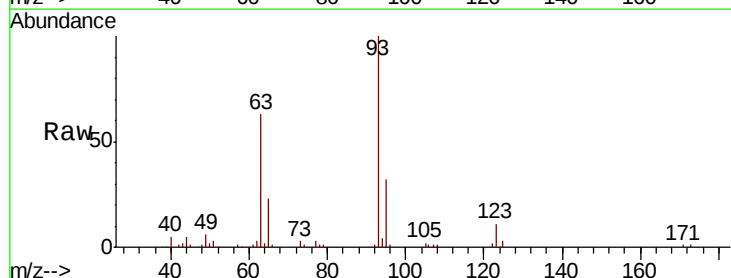
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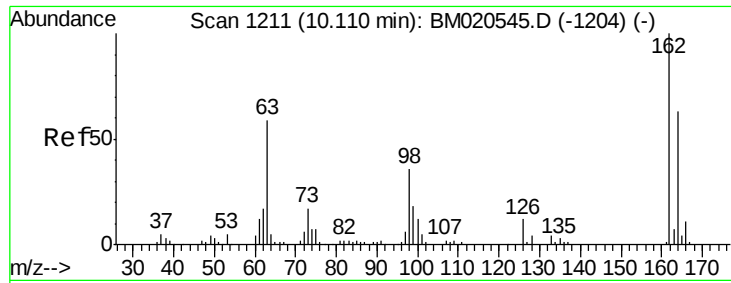
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 39.108 ng  
RT: 9.87 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.4  | 26.1  | 39.1  |
| 123     | 10.8  | 8.1   | 12.1  |





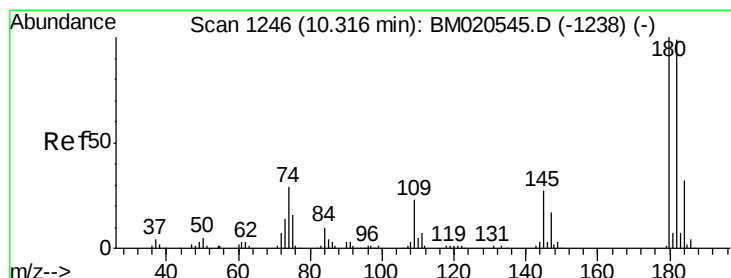
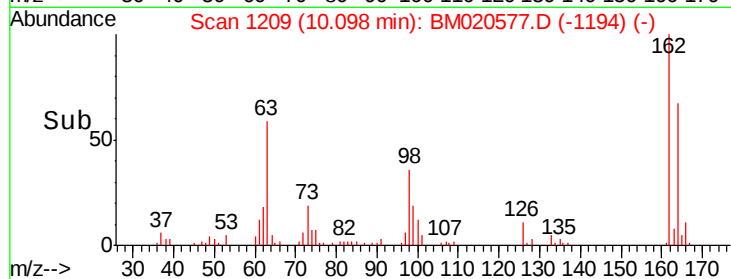
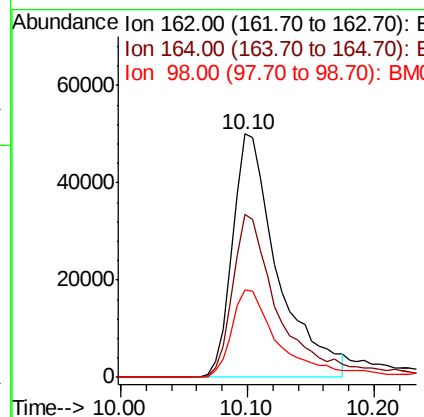
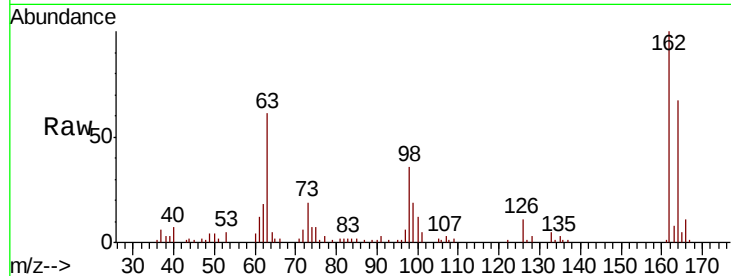
#29  
2,4-Dichlorophenol  
Concen: 38.466 ng  
RT: 10.10 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 124224 |       |       |
| 164     | 67.0 | 43.1  | 83.1   |       |       |
| 98      | 35.9 | 16.2  | 56.2   |       |       |

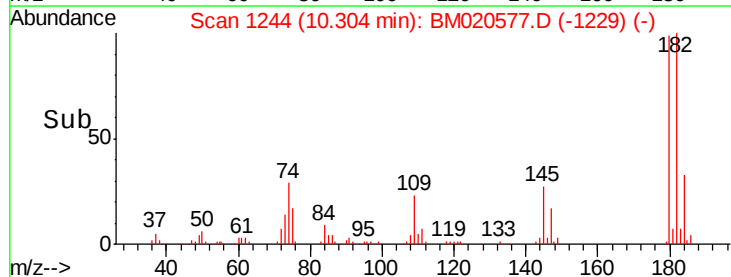
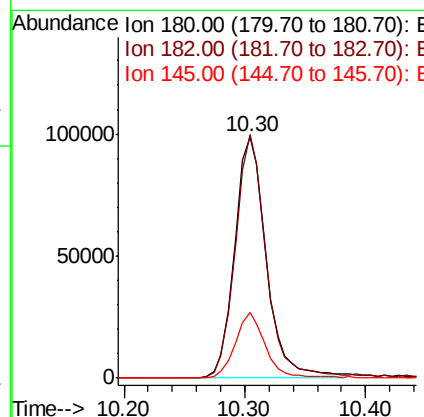
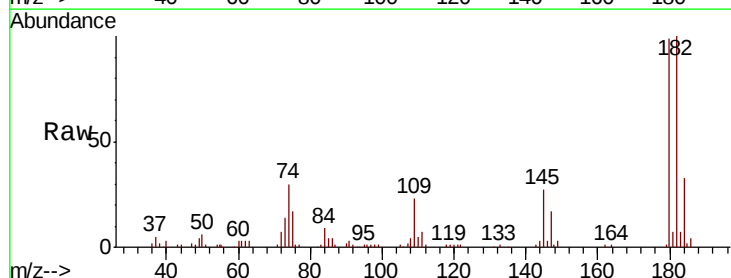
Manual Integrations  
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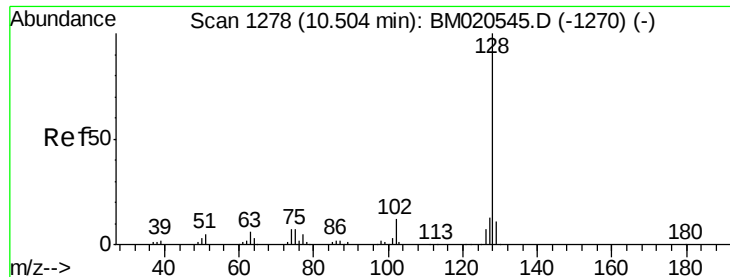
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#30  
1,2,4-Trichlorobenzene  
Concen: 40.942 ng  
RT: 10.30 min Scan# 1244  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 180     | 100   |       | 180786 |       |       |
| 182     | 100.8 | 78.8  | 118.2  |       |       |
| 145     | 27.3  | 21.3  | 31.9   |       |       |





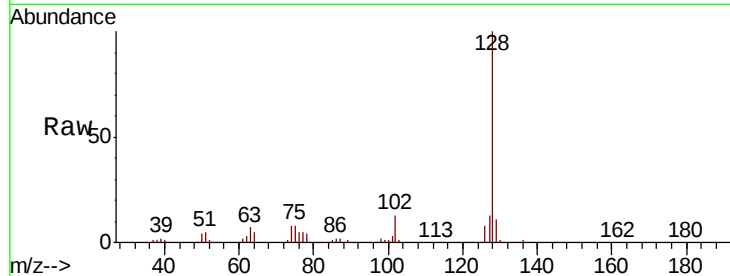
#31  
Naphthalene  
Concen: 41.778 ng  
RT: 10.49 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.1  | 9.0  | 13.6  |       |
| 127     | 13.4  | 10.4 | 15.6  |       |

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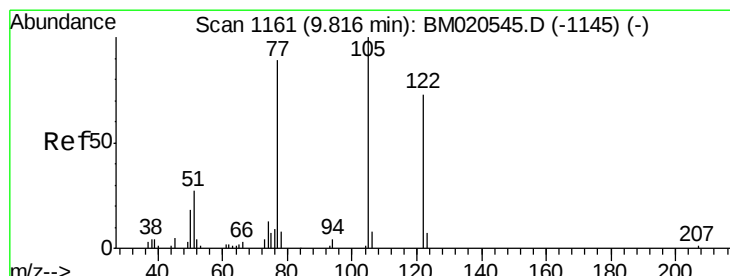
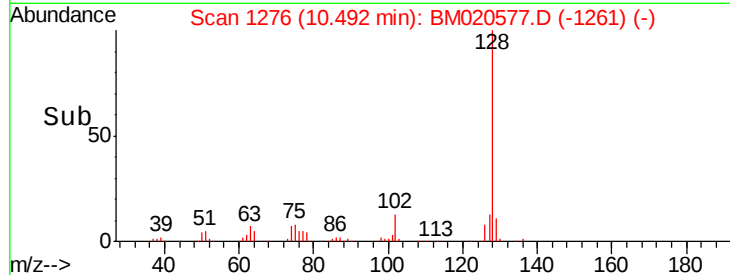
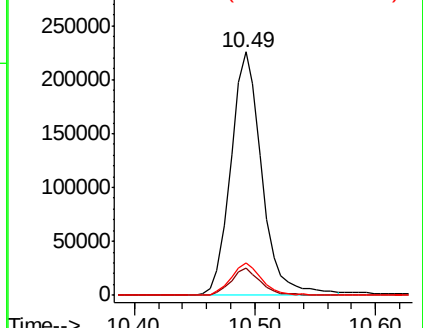


Abundance

Ion 128.00 (127.70 to 128.70): E

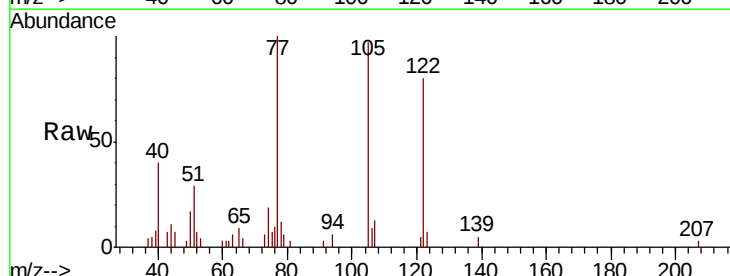
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 21.201 ng  
RT: 9.78 min Scan# 1155  
Delta R.T. -0.03 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 120.7 | 108.8 | 148.8 |       |
| 77      | 124.6 | 97.8  | 137.8 |       |

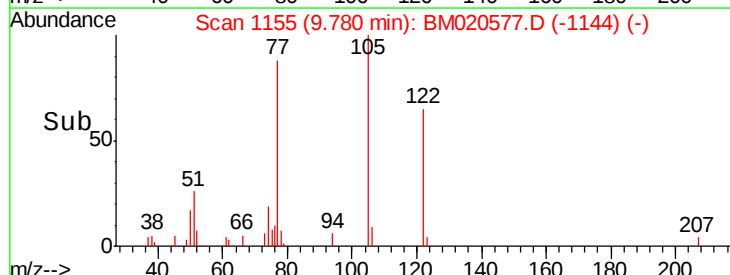
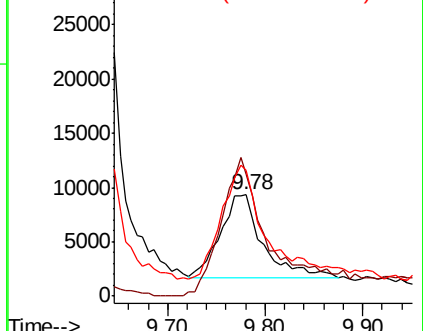


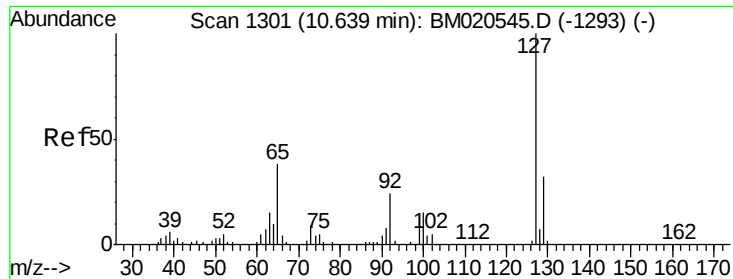
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM





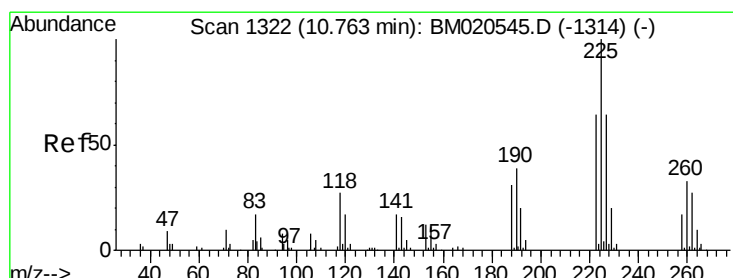
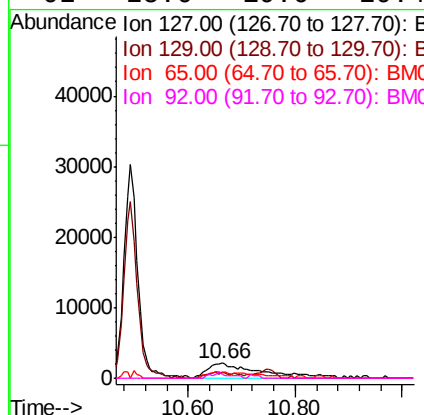
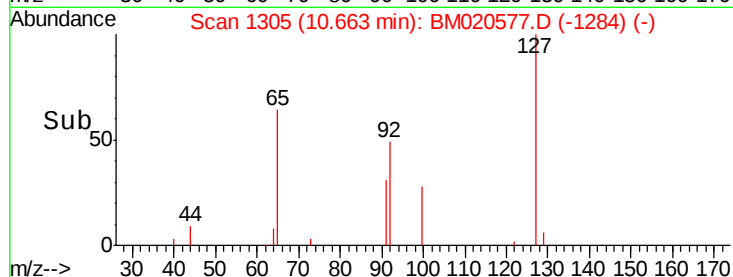
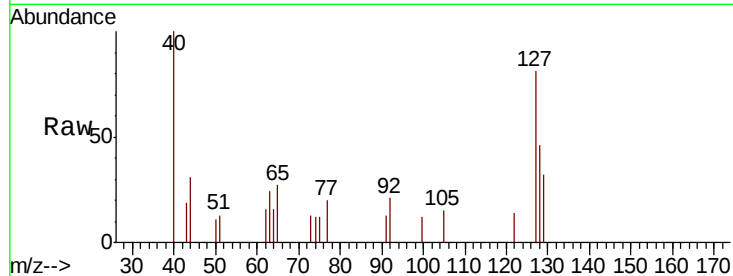
#33  
4-Chloroaniline  
Concen: 3.899 ng/mL  
RT: 10.66 min Scan# 1305  
Delta R.T. 0.02 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 15087 |       |       |
| 129     | 39.8 | 25.4  | 38.2  |       |       |
| 65      | 33.4 | 30.6  | 45.8  |       |       |
| 92      | 25.6 | 19.6  | 29.4  |       |       |

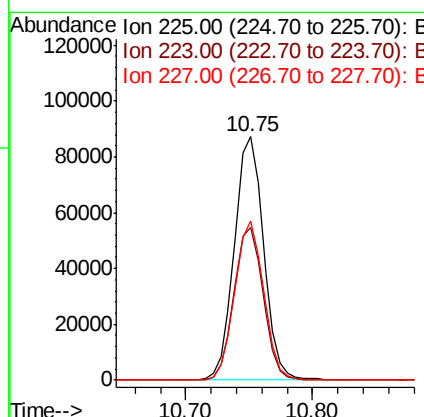
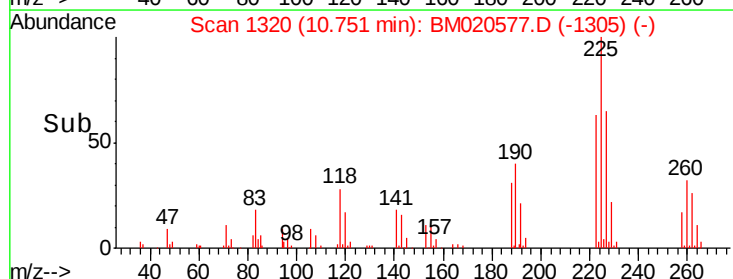
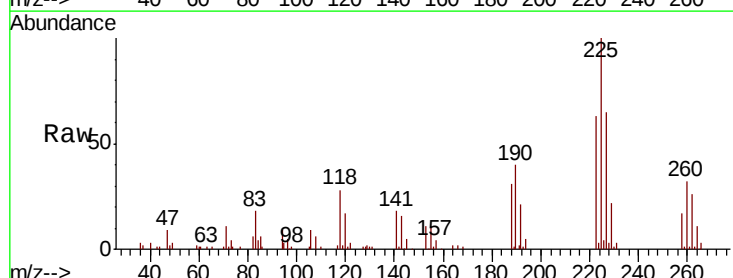
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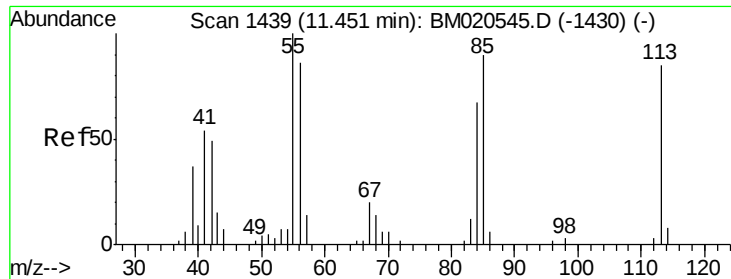
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#34  
Hexachlorobutadiene  
Concen: 42.315 ng/mL  
RT: 10.75 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 138921 |       |       |
| 223     | 62.8 | 51.4  | 77.0   |       |       |
| 227     | 65.3 | 51.0  | 76.6   |       |       |





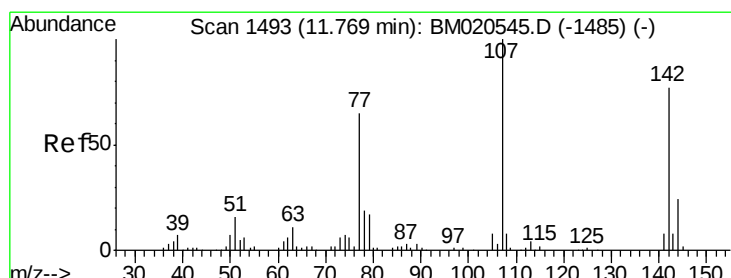
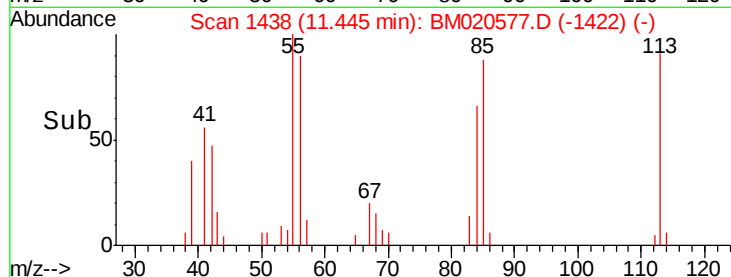
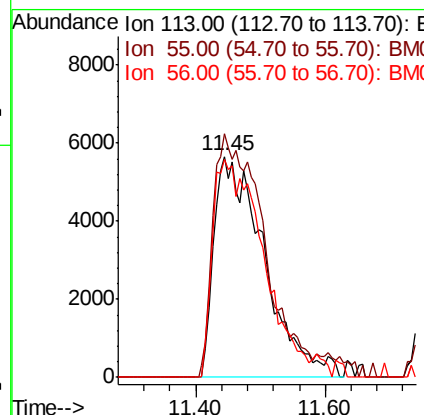
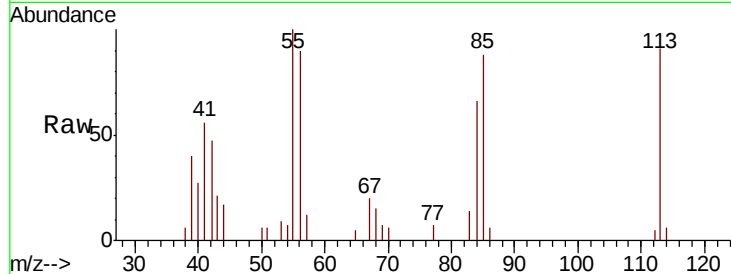
#35  
 Caprolactam  
 Concen: 28.347 ng/ml  
 RT: 11.45 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       | 30129 |       |       |
| 55      | 110.1 | 97.6  | 137.6 |       |       |
| 56      | 98.6  | 81.6  | 121.6 |       |       |

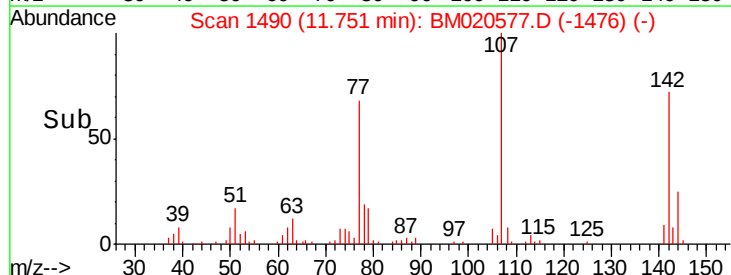
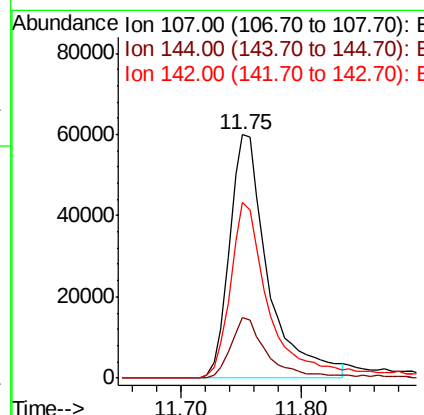
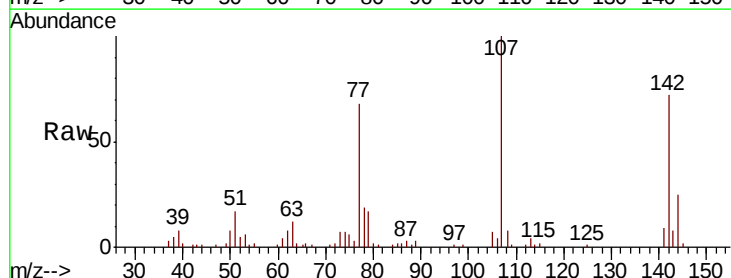
Manual Integrations  
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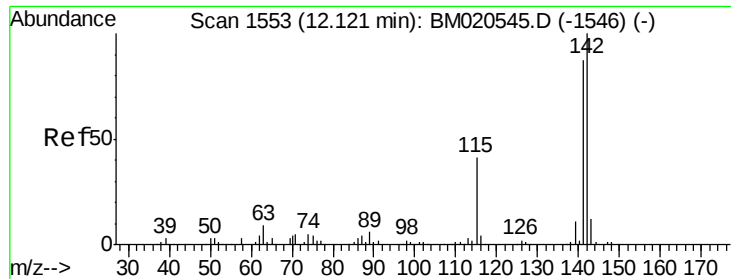
mohammad  
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#36  
 4-Chloro-3-methylphenol  
 Concen: 37.822 ng/ml  
 RT: 11.75 min Scan# 1490  
 Delta R.T. -0.02 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 132920 |       |       |
| 144     | 25.1 | 19.0  | 28.6   |       |       |
| 142     | 72.4 | 61.3  | 91.9   |       |       |





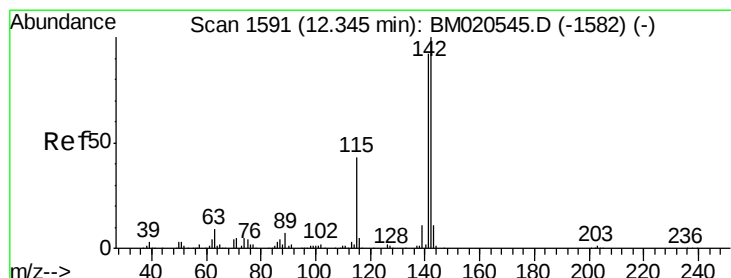
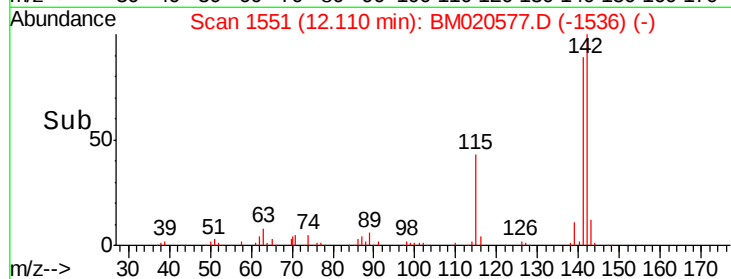
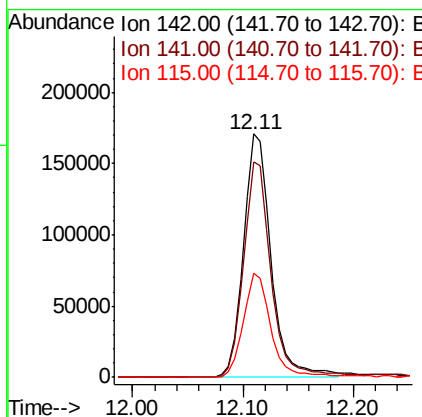
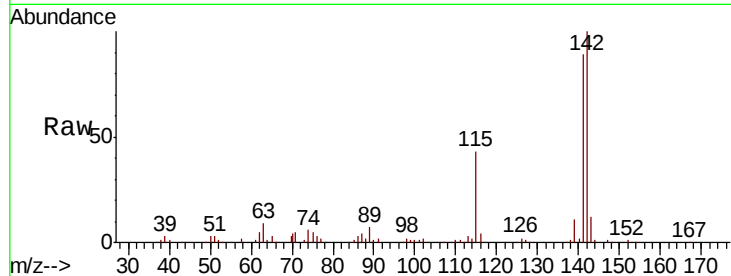
#37  
2-Methylnaphthalene  
Concen: 40.331 ng  
RT: 12.11 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 69.9  | 104.9 |
| 115     | 43.0  | 32.9  | 49.3  |

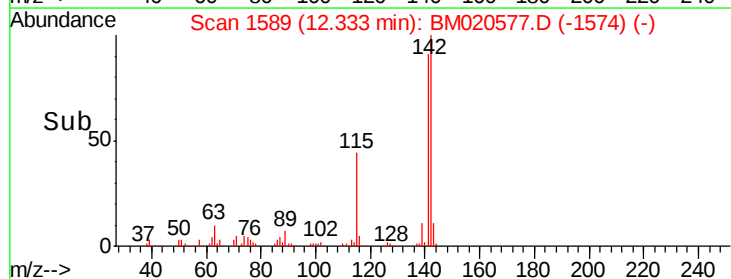
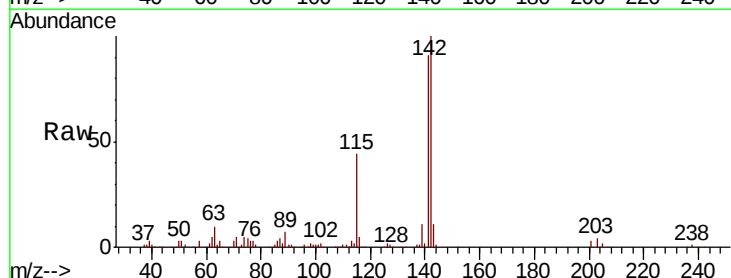
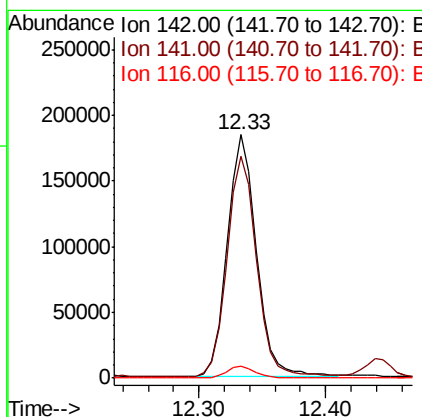
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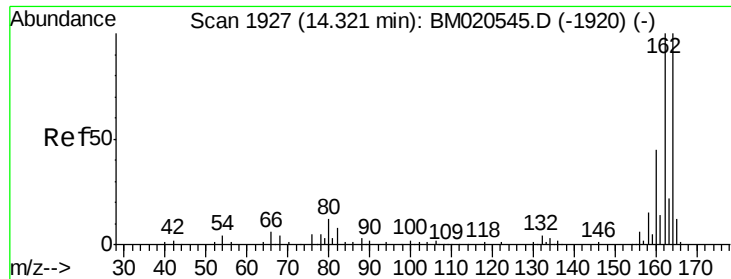
mohammad  
5/29/2019 6:16:12 PM



#38  
1-Methylnaphthalene  
Concen: 40.915 ng  
RT: 12.33 min Scan# 1589  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 73.7  | 110.5 |
| 116     | 4.9   | 3.7   | 5.5   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

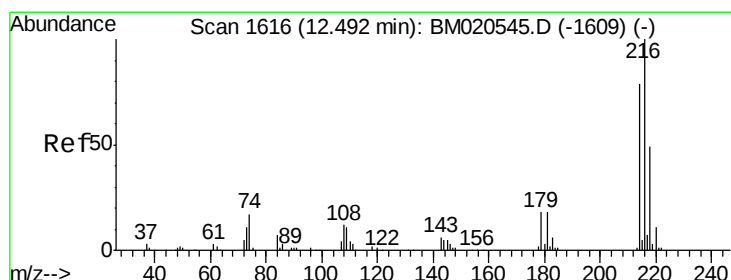
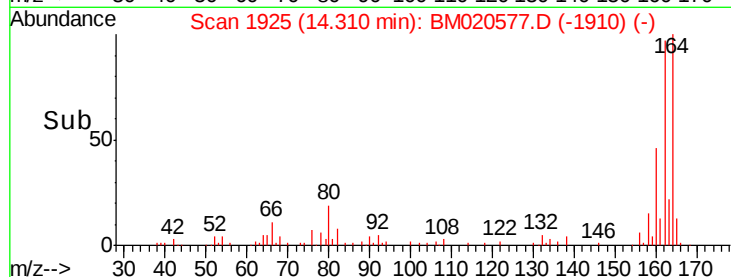
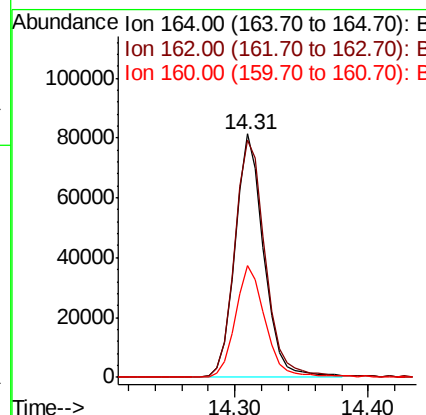
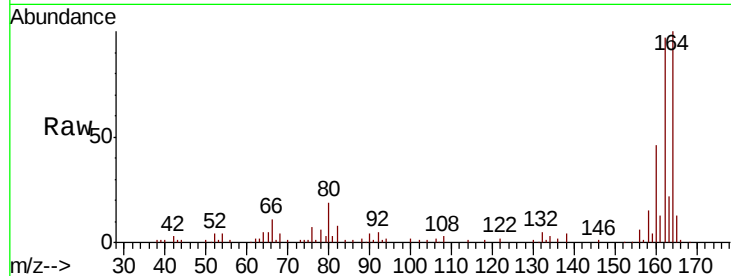
ClientSampleId :

CL-02-051719MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 122124 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.5  | 79.8  | 119.8  |
| 160       | 45.7  | 35.9  | 53.9   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.539 ng

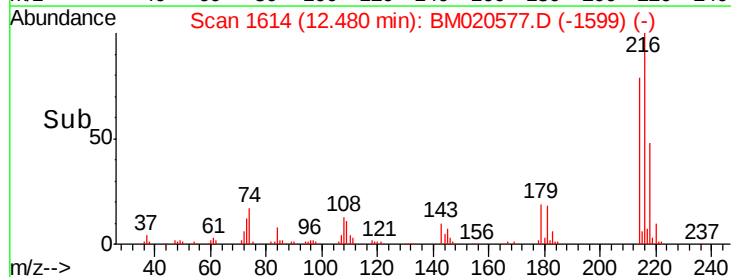
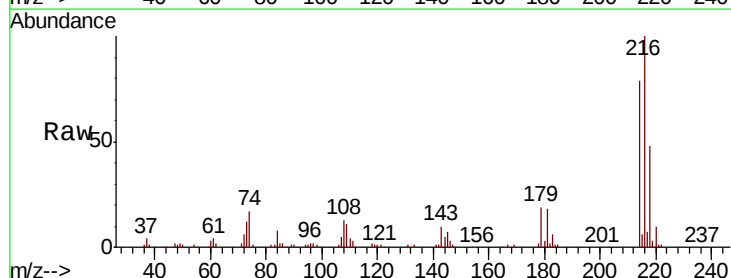
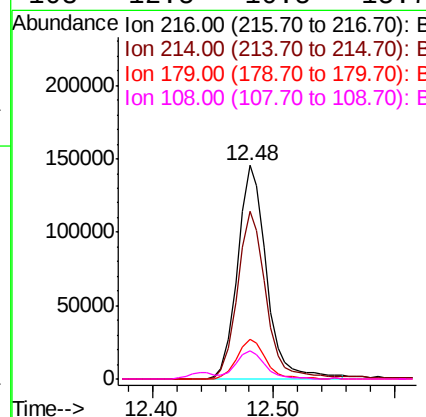
RT: 12.48 min Scan# 1614

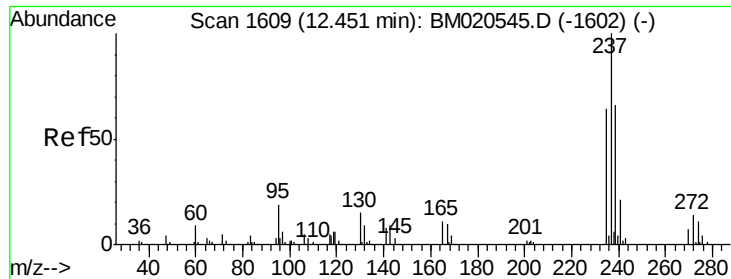
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 244056 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 77.6  | 63.0  | 94.6   |
| 179       | 18.5  | 14.8  | 22.2   |
| 108       | 12.5  | 10.5  | 15.7   |





#41

Hexachlorocyclopentadiene

Concen: 85.530 ng

RT: 12.45 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

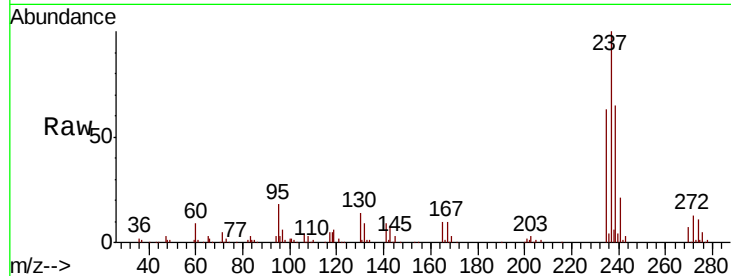
ClientSampleId :

CL-02-051719MS

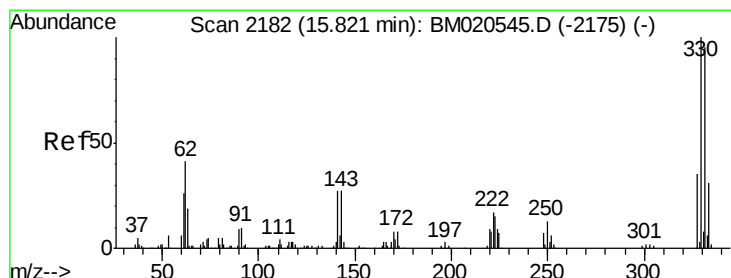
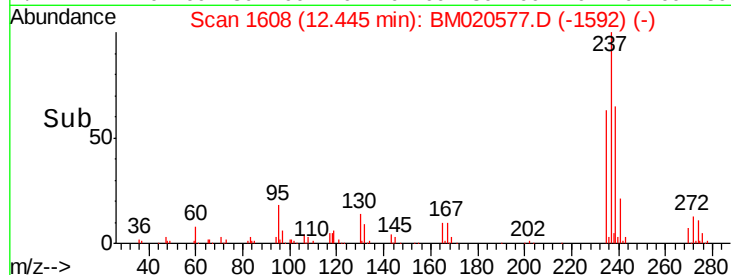
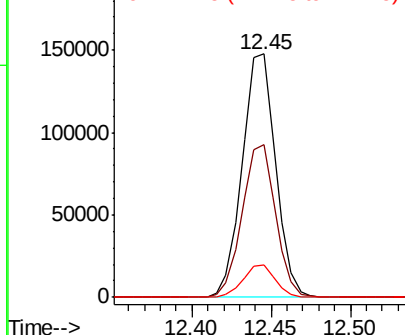
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 216879 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.7  | 43.5  | 83.5   |
| 272       | 13.1  | 0.0   | 33.9   |

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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: 133.569 ng

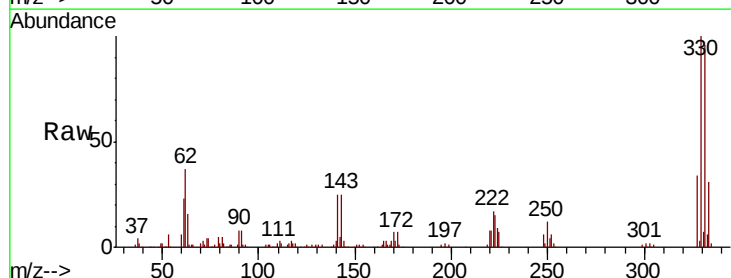
RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

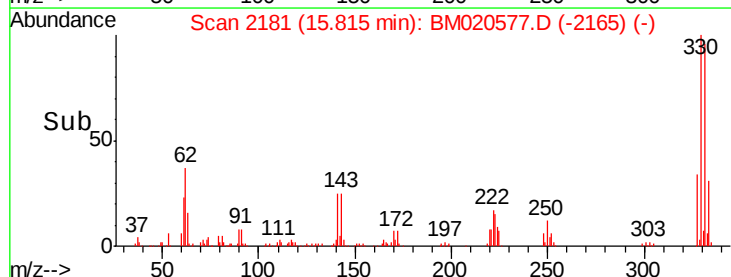
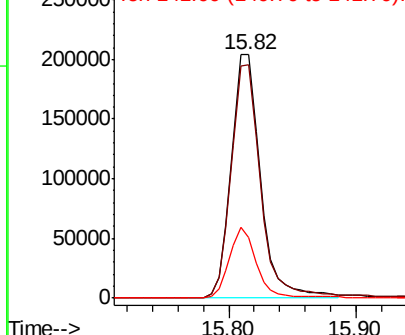
Lab File: BM020577.D

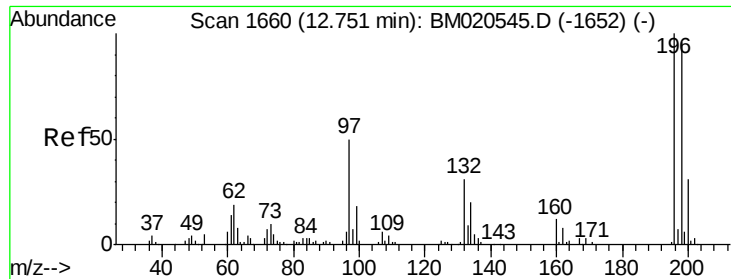
Acq: 28 May 2019 12:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 326806 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.8  | 77.5  | 116.3  |
| 141       | 27.4  | 21.7  | 32.5   |



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





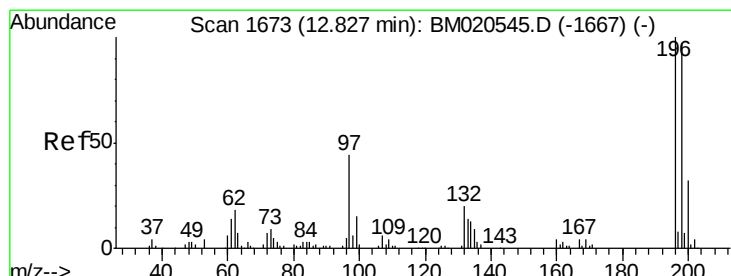
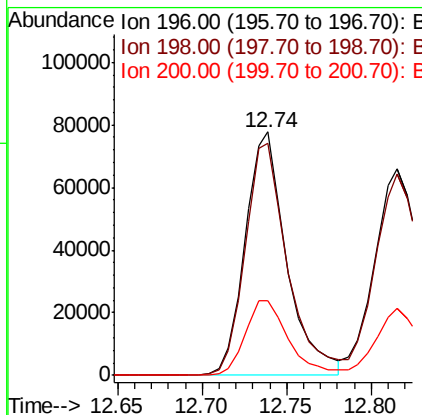
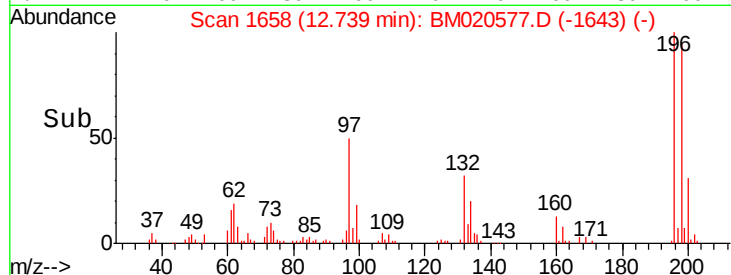
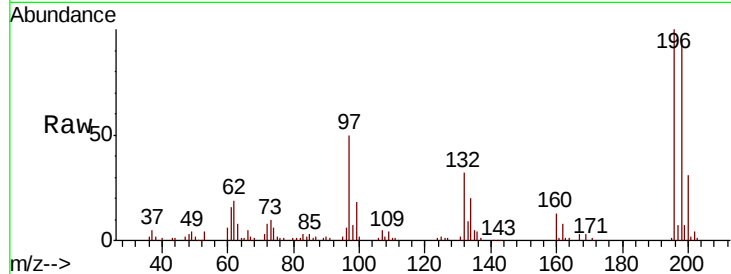
#43  
 2,4,6-Trichlorophenol  
 Concen: 41.738 ng  
 RT: 12.74 min Scan# 1658  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 132603 |       |       |
| 198     | 95.4  | 76.4   | 114.6 |       |
| 200     | 30.7  | 25.0   | 37.4  |       |

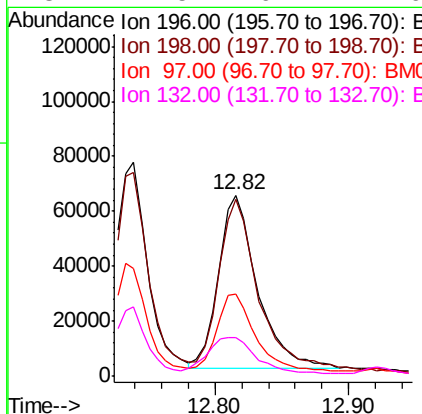
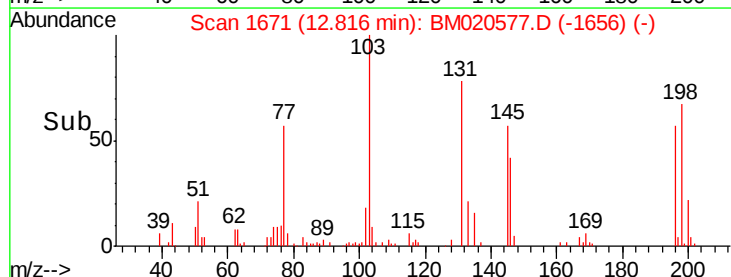
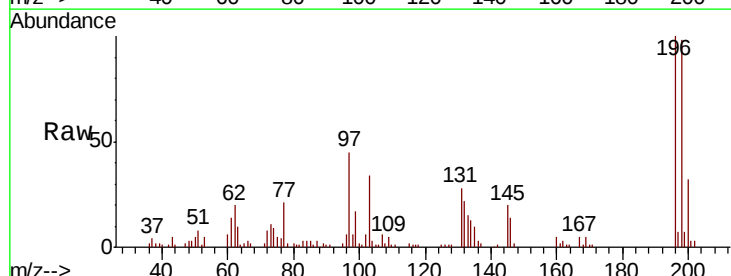
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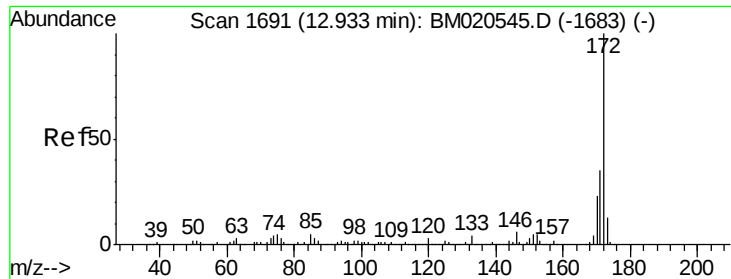
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 43.442 ng  
 RT: 12.82 min Scan# 1671  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 128884 |       |       |
| 198     | 97.7  | 77.6   | 116.4 |       |
| 97      | 45.5  | 35.4   | 53.0  |       |
| 132     | 21.5  | 16.4   | 24.6  |       |





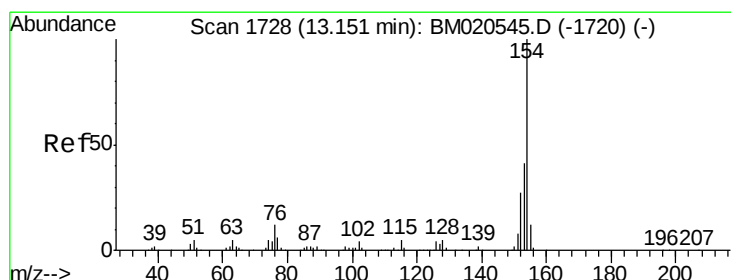
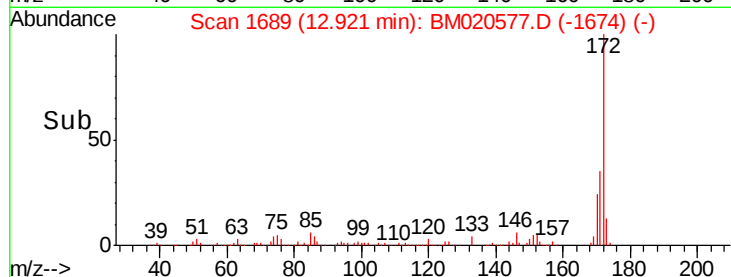
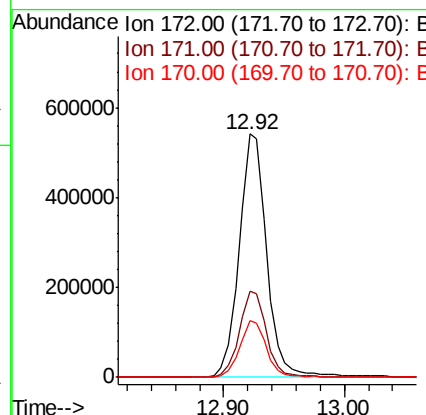
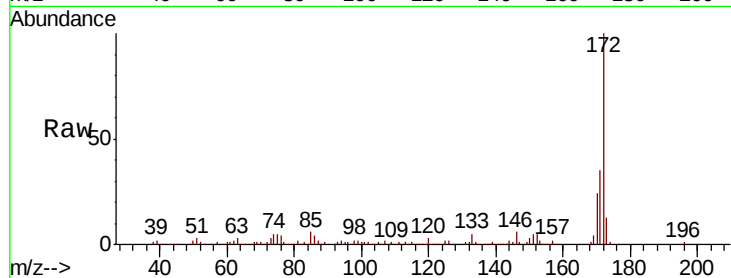
#45  
2-Fluorobiphenyl  
Concen: 88.358 ng  
RT: 12.92 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 27.9  | 41.9  |
| 170     | 23.6  | 18.2  | 27.4  |

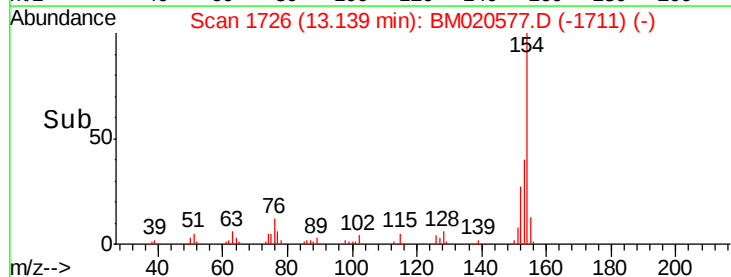
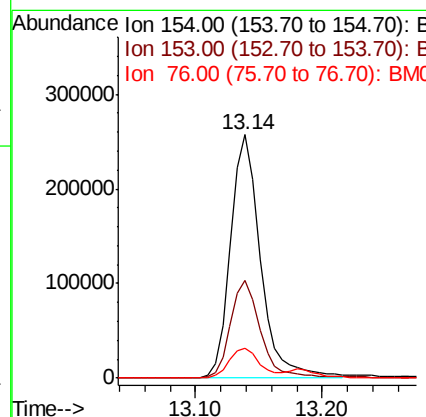
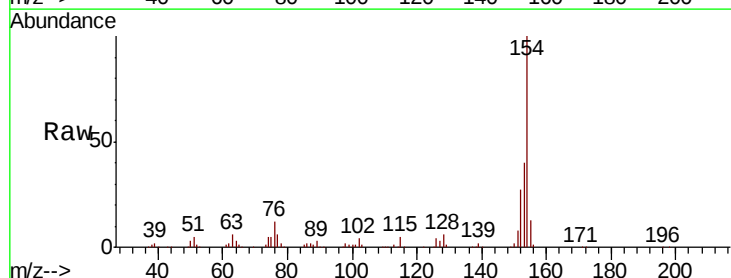
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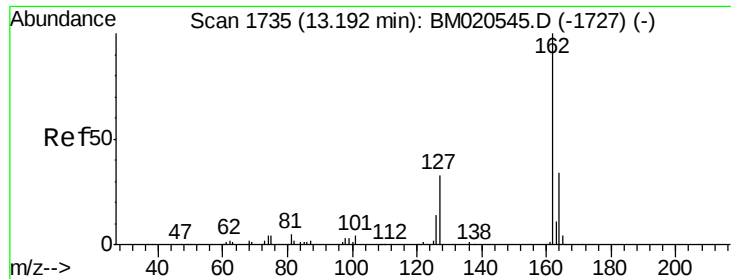
mohammad  
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#46  
1,1'-Biphenyl  
Concen: 44.785 ng  
RT: 13.14 min Scan# 1726  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.0  | 20.6  | 60.6  |
| 76      | 12.4  | 0.0   | 32.2  |





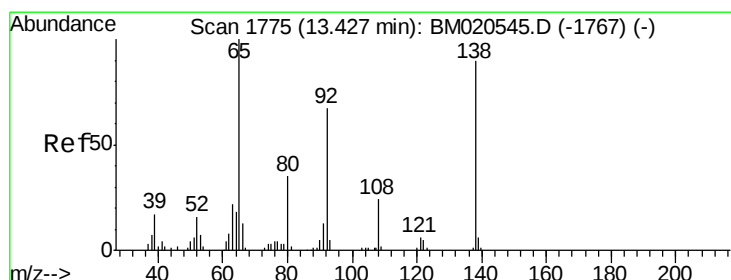
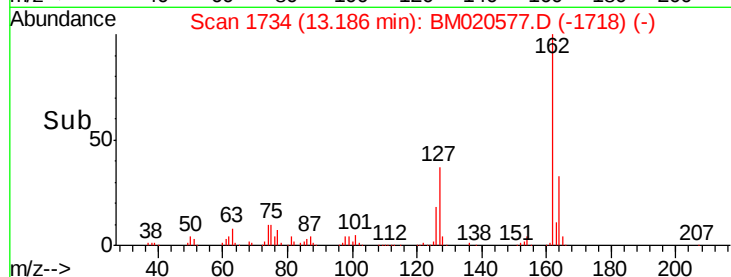
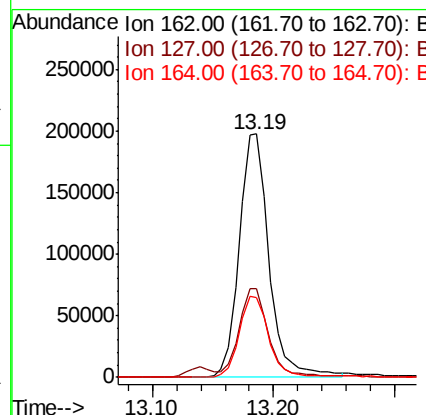
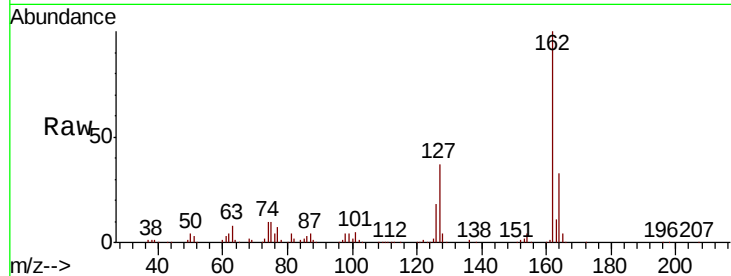
#47  
2-Chloronaphthalene  
Concen: 42.724 ng  
RT: 13.19 min Scan# 1734  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 162     | 100  |       |      |       |       |
| 127     | 36.6 | 29.2  | 43.8 |       |       |
| 164     | 32.7 | 27.4  | 41.2 |       |       |

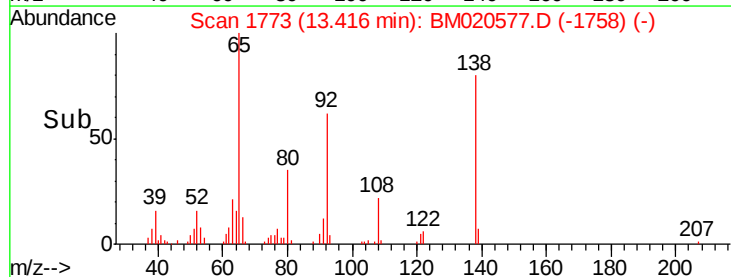
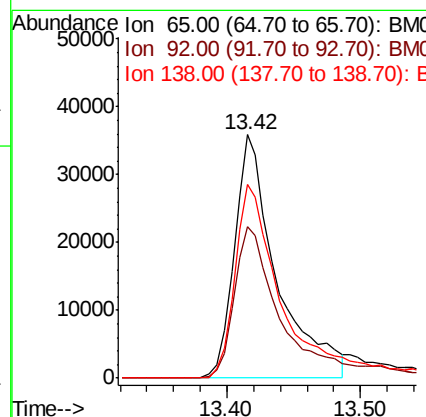
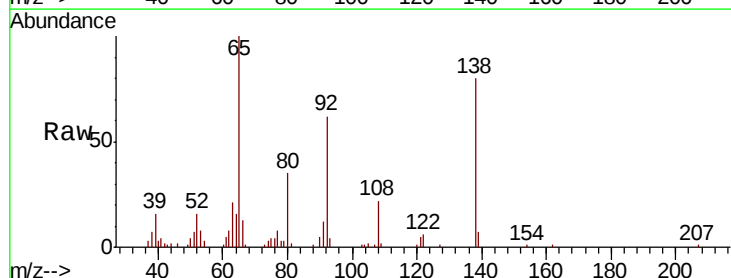
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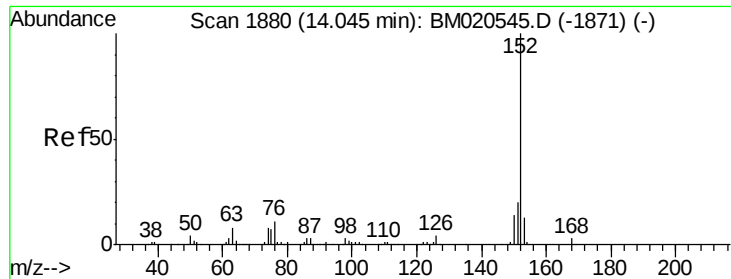
mohammad  
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#48  
2-Nitroaniline  
Concen: 33.471 ng  
RT: 13.42 min Scan# 1773  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 65      | 100  |       |       |       |       |
| 92      | 62.1 | 53.6  | 80.4  |       |       |
| 138     | 79.7 | 72.0  | 108.0 |       |       |





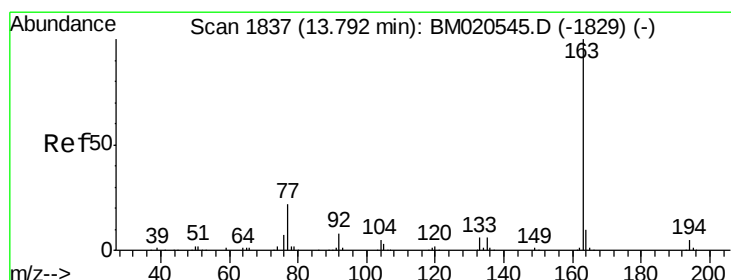
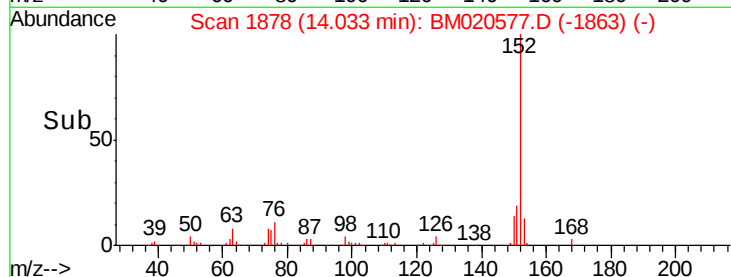
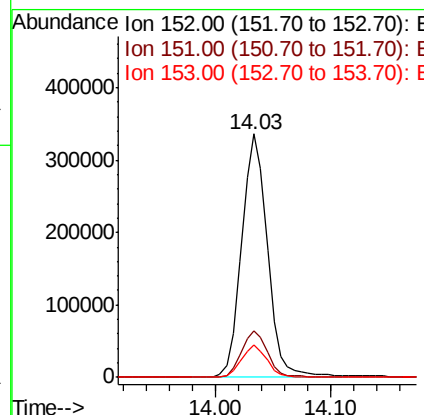
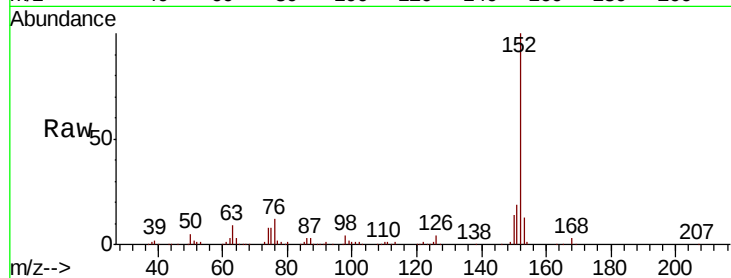
#49  
Acenaphthylene  
Concen: 43.037 ng  
RT: 14.03 min Scan# 1878  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.2  | 15.7  | 23.5  |
| 153     | 13.3  | 10.2  | 15.2  |

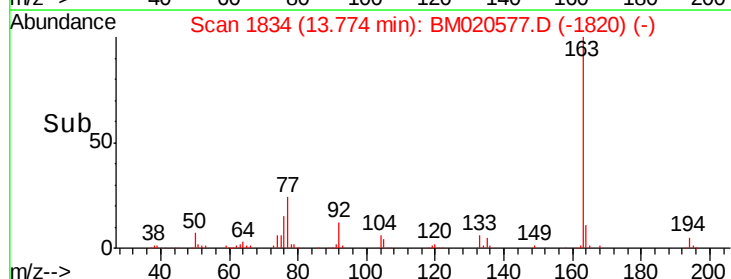
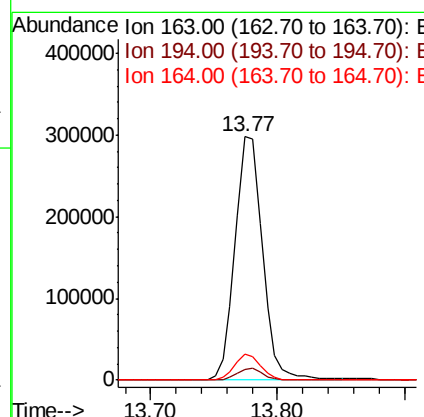
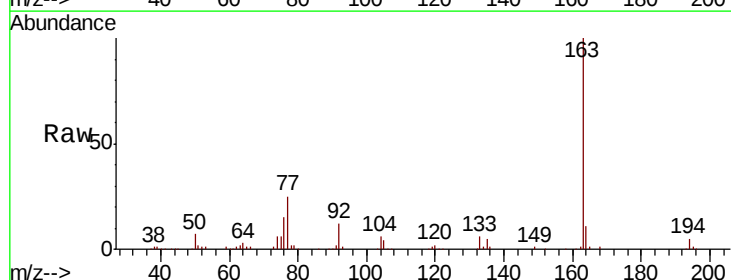
Manual Integrations  
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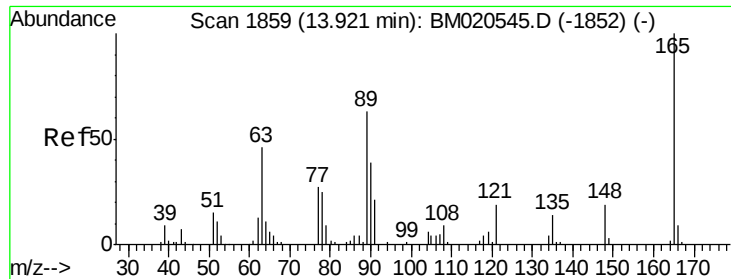
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#50  
Dimethylphthalate  
Concen: 41.498 ng  
RT: 13.77 min Scan# 1834  
Delta R.T. -0.02 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.6   | 3.9   | 5.9   |
| 164     | 10.7  | 8.0   | 12.0  |





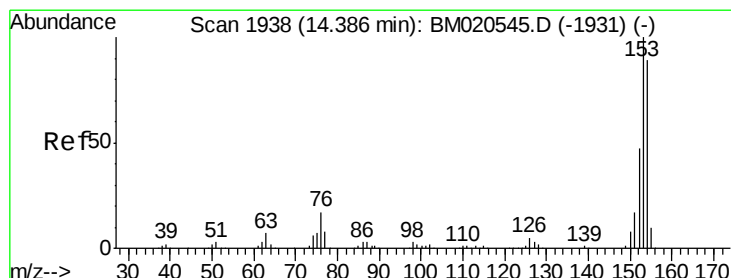
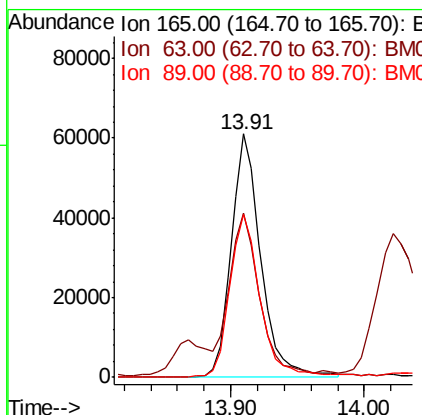
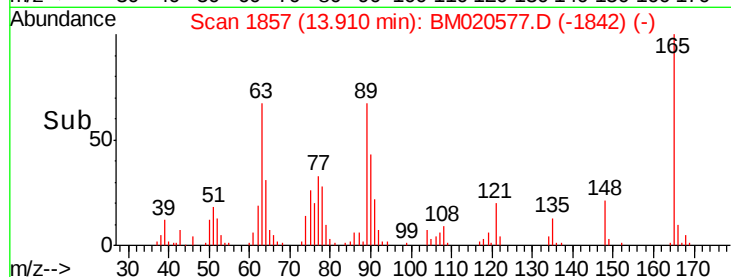
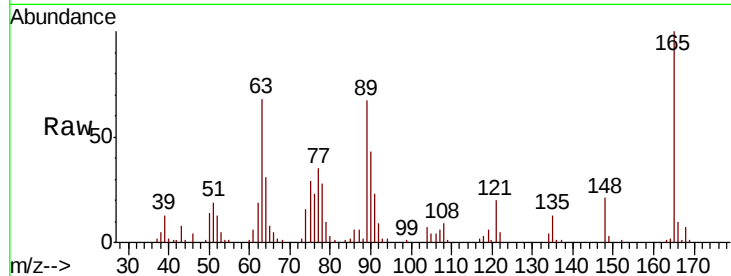
#51  
2,6-Dinitrotoluene  
Concen: 41.885 ng  
RT: 13.91 min Scan# 1857  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 67.6  | 49.6  | 74.4  |
| 89      | 67.0  | 50.8  | 76.2  |

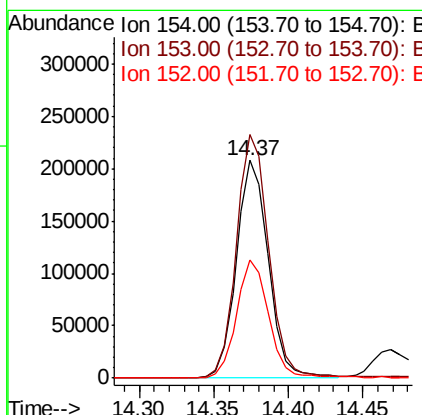
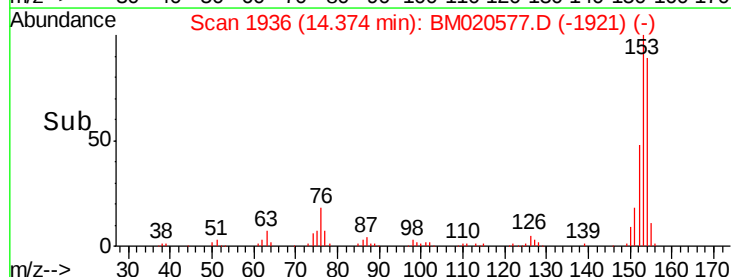
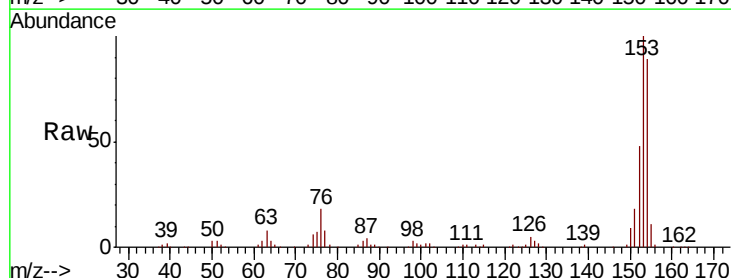
Manual Integrations  
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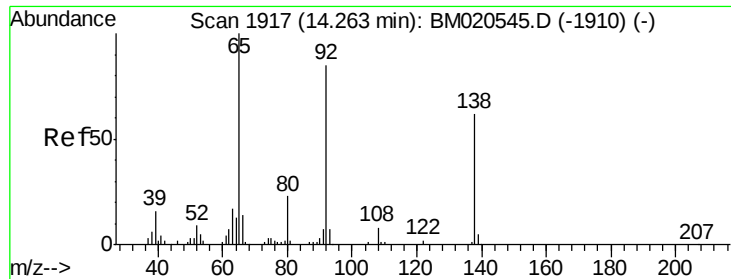
mohammad  
5/29/2019 6:16:12 PM



#52  
Acenaphthene  
Concen: 42.439 ng  
RT: 14.37 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.0 | 90.2  | 135.4 |
| 152     | 54.1  | 42.0  | 63.0  |





#53

3-Nitroaniline

Concen: 15.349 ng

RT: 14.27 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

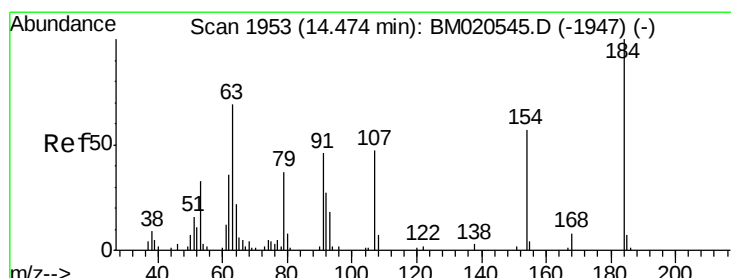
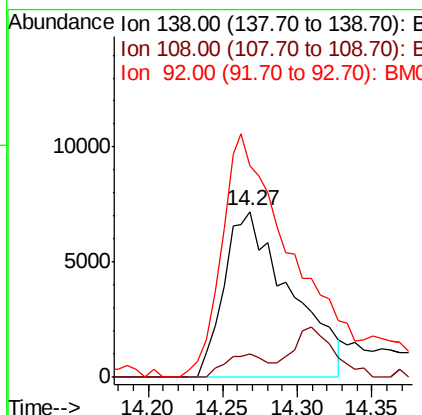
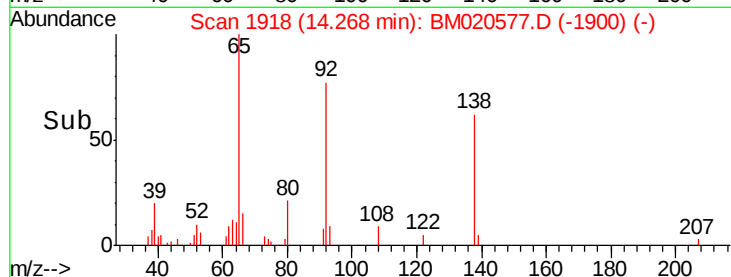
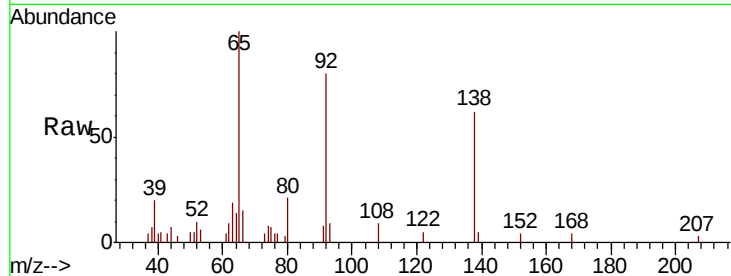
ClientSampleId :

CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 13.8  | 10.1  | 15.1  |
| 92      | 127.7 | 109.5 | 164.3 |

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#54

2,4-Dinitrophenol

Concen: 65.402 ng

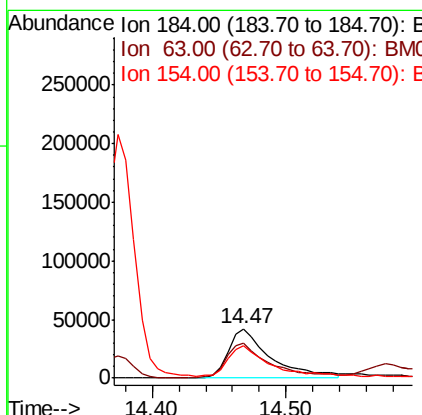
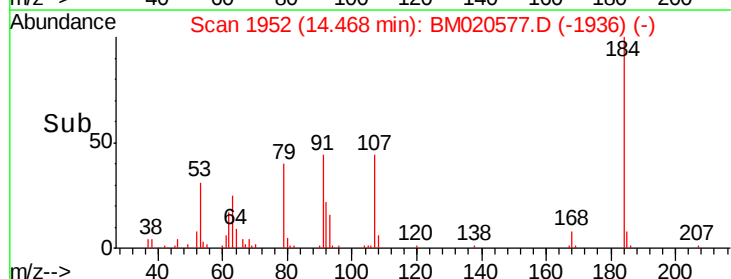
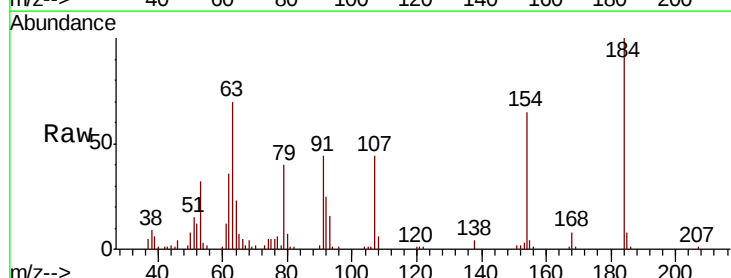
RT: 14.47 min Scan# 1952

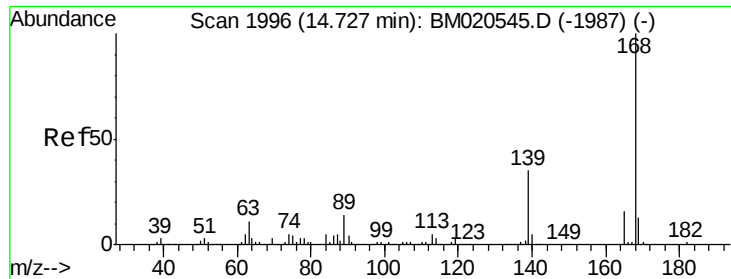
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 70.0  | 56.3  | 84.5  |
| 154     | 64.6  | 49.0  | 73.6  |





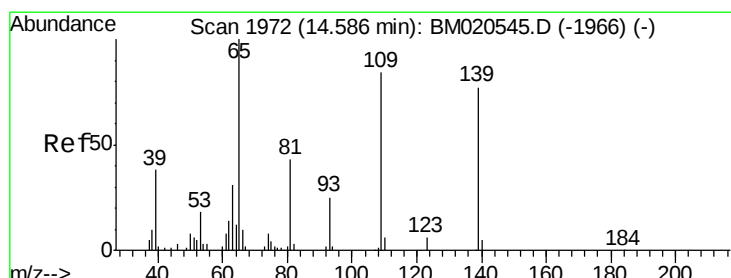
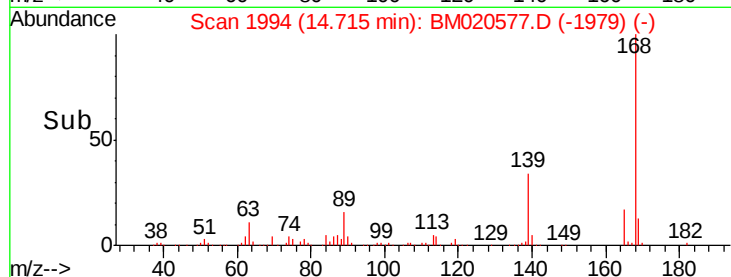
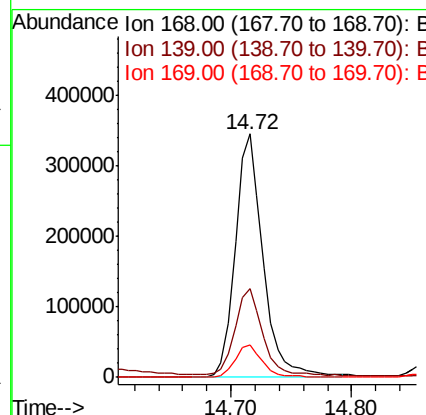
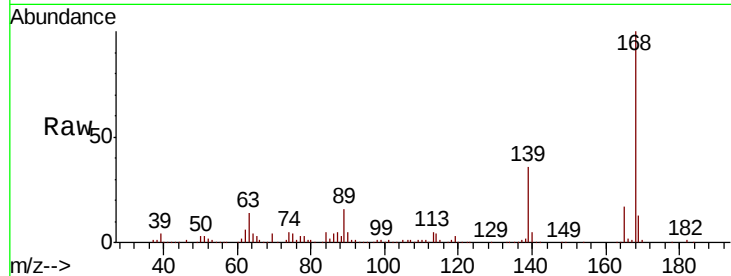
#55  
Dibenzenofuran  
Concen: 43.717 ng  
RT: 14.72 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.3  | 28.2  | 42.4  |
| 169     | 13.4  | 10.6  | 16.0  |

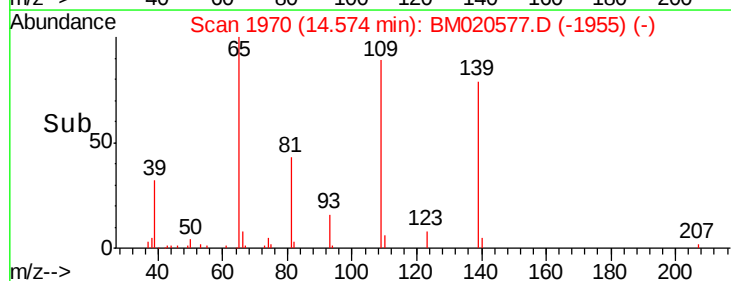
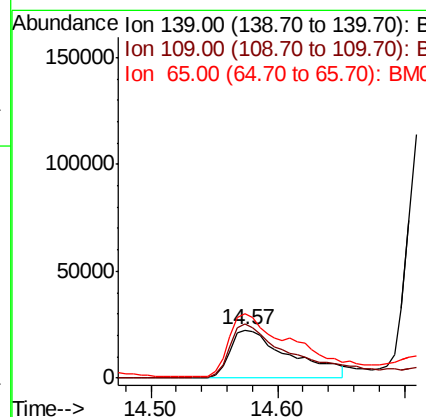
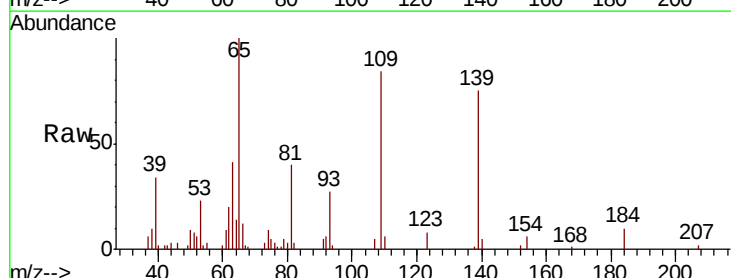
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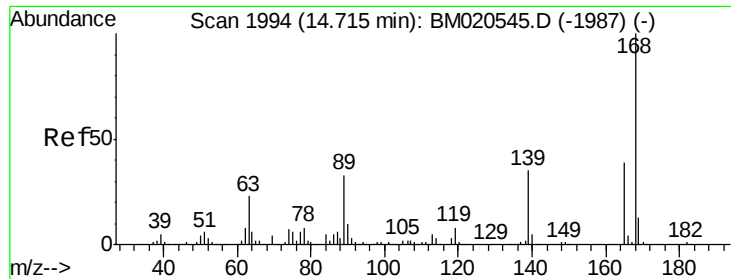
mohammad  
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#56  
4-Nitrophenol  
Concen: 52.895 ng  
RT: 14.57 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 111.9 | 89.4  | 129.4 |
| 65      | 133.4 | 113.3 | 153.3 |





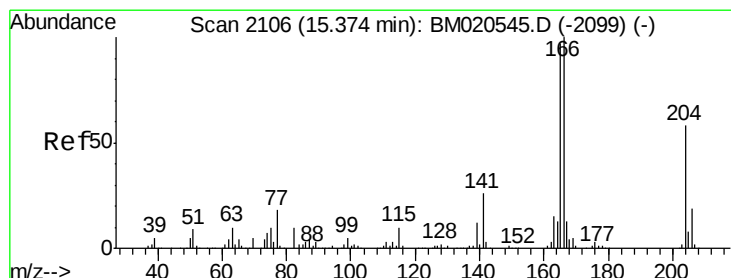
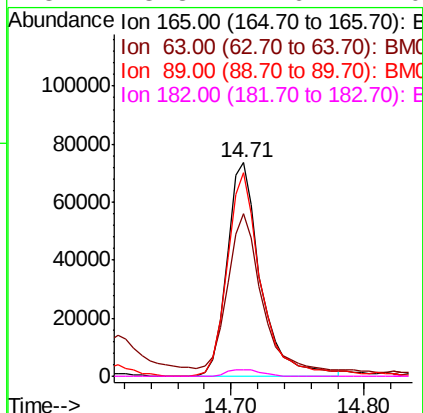
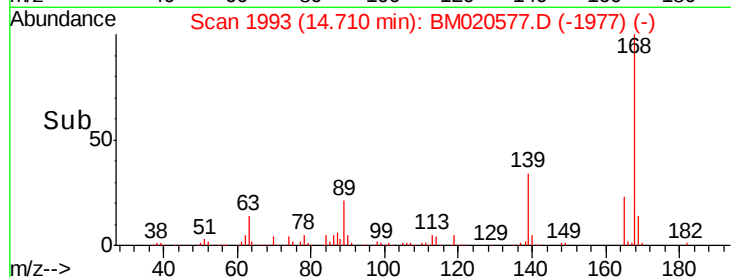
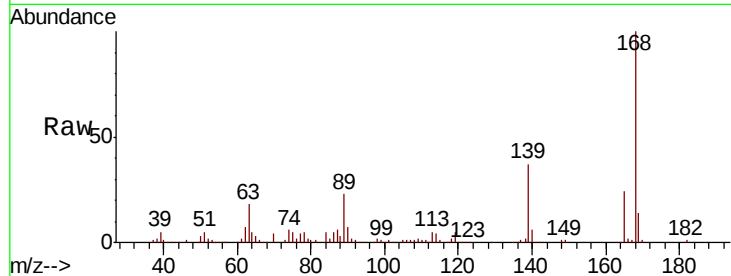
#57  
 2,4-Dinitrotoluene  
 Concen: 39.609 ng  
 RT: 14.71 min Scan# 1993  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 76.3  | 48.7 | 73.1  | #     |
| 89      | 95.2  | 68.8 | 103.2 |       |
| 182     | 3.3   | 2.6  | 4.0   |       |

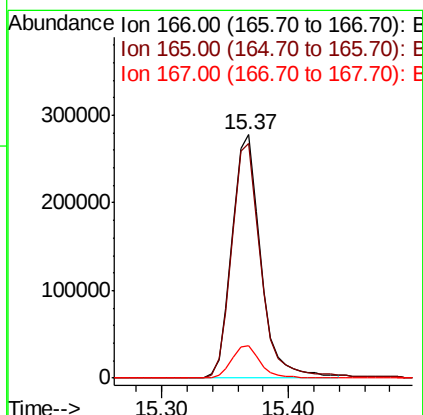
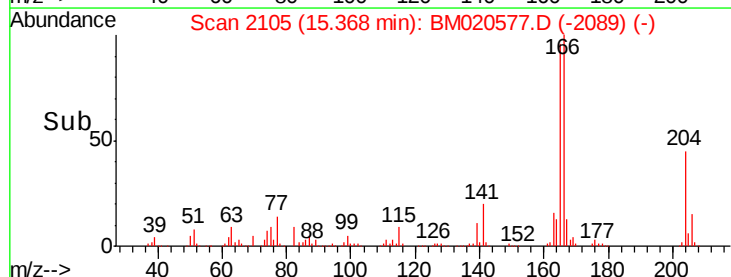
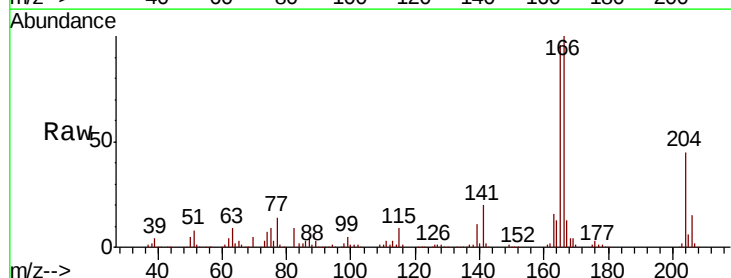
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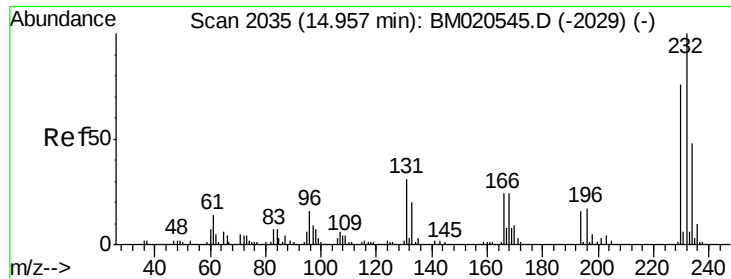
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#58  
 Fluorene  
 Concen: 41.510 ng  
 RT: 15.37 min Scan# 2105  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 96.4  | 77.4 | 116.0 |       |
| 167     | 13.2  | 10.6 | 16.0  |       |





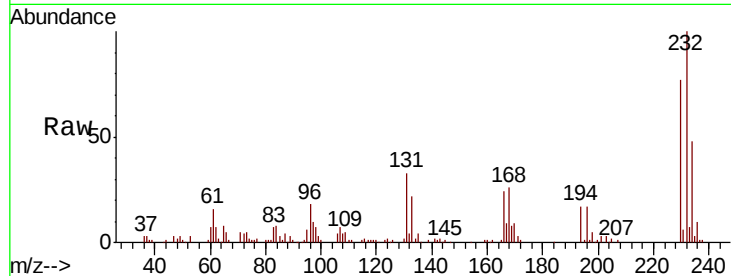
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.957 ng  
 RT: 14.94 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

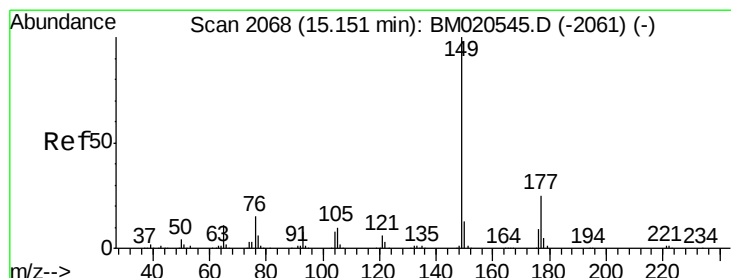
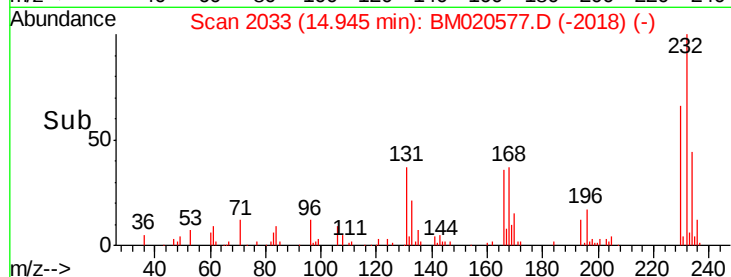
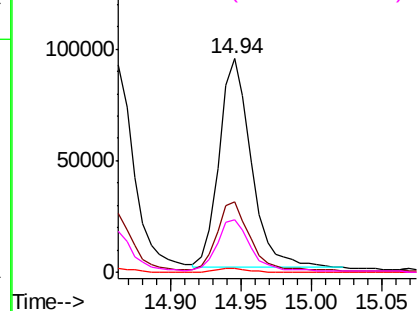
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 232     | 100  |       | 148293 |       |       |
| 131     | 33.2 | 25.4  | 38.0   |       |       |
| 130     | 1.9  | 1.5   | 2.3    |       |       |
| 166     | 24.8 | 19.7  | 29.5   |       |       |

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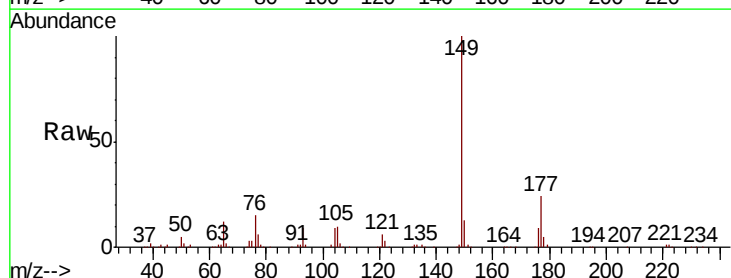


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

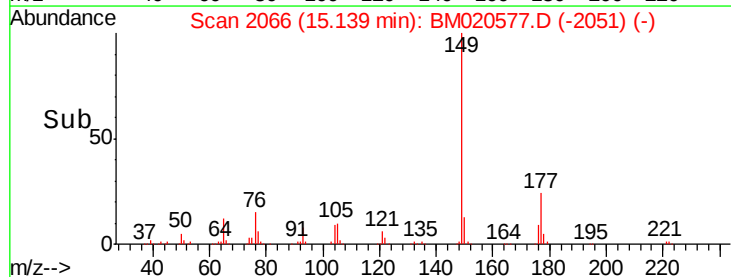
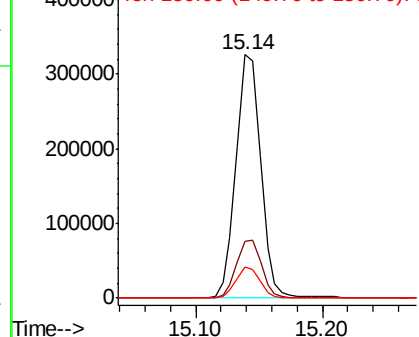


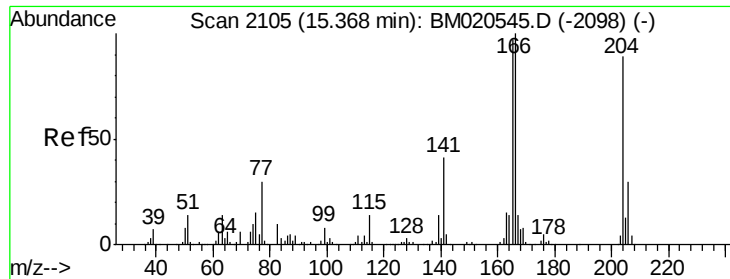
#60  
 Diethylphthalate  
 Concen: 41.545 ng  
 RT: 15.14 min Scan# 2066  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 442779 |       |       |
| 177     | 23.6 | 19.8  | 29.8   |       |       |
| 150     | 12.8 | 10.2  | 15.2   |       |       |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E





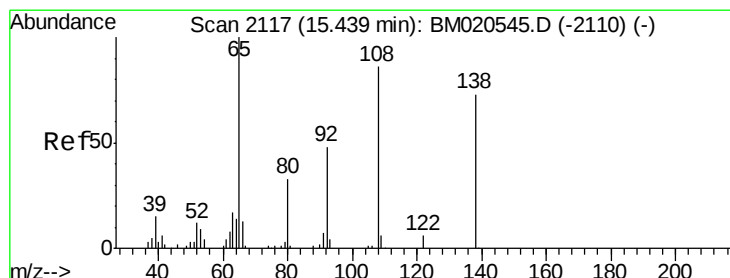
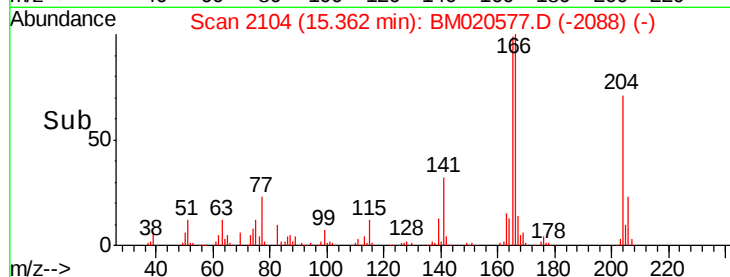
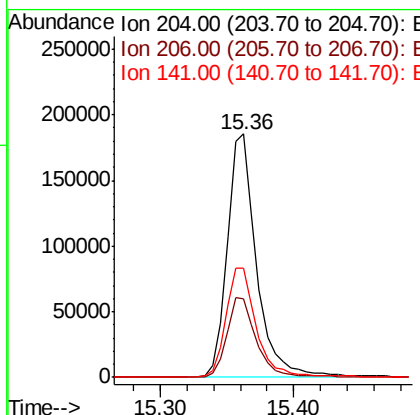
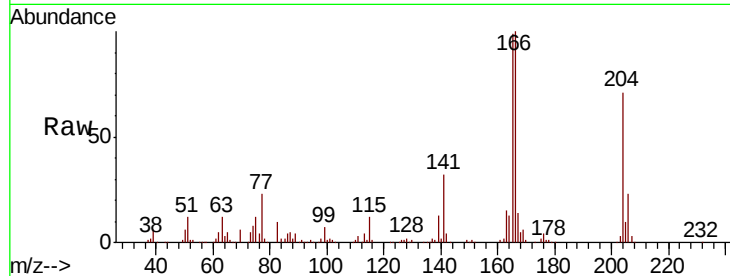
#61  
4-Chlorophenyl-phenylether  
Concen: 42.339 ng  
RT: 15.36 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 283909 |       |       |
| 206     | 32.0  |        | 26.6  | 40.0  |
| 141     | 45.1  |        | 36.9  | 55.3  |

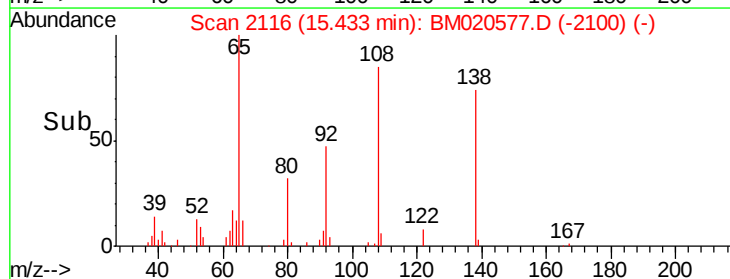
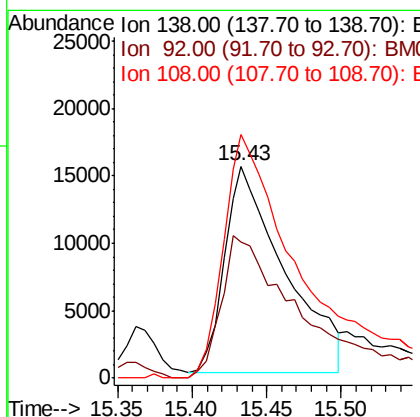
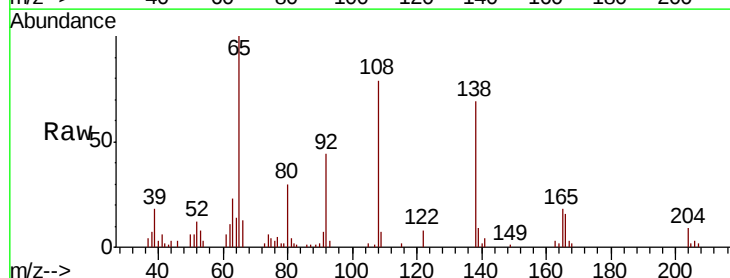
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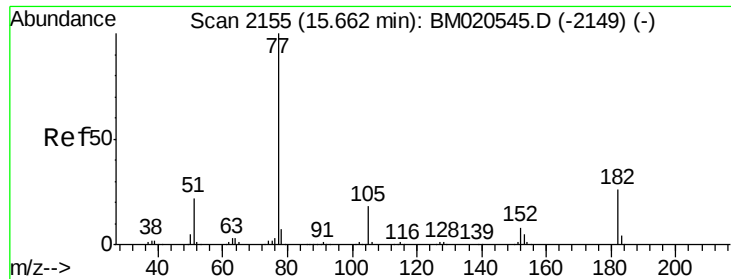
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#62  
4-Nitroaniline  
Concen: 22.559 ng  
RT: 15.43 min Scan# 2116  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 138     | 100   | 42752 |       |       |
| 92      | 63.9  |       | 44.5  | 84.5  |
| 108     | 114.7 |       | 95.9  | 135.9 |





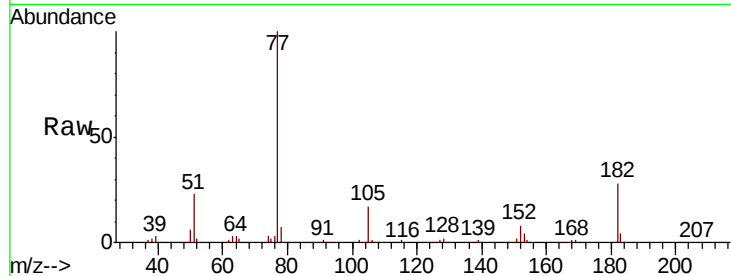
#63  
Azobenzene  
Concen: 43.086 ng  
RT: 15.66 min Scan# 2154  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 446829 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 27.5  | 5.7   | 45.7   |
| 105      | 16.9  | 0.0   | 37.6   |
| 51       | 22.9  | 1.7   | 41.7   |

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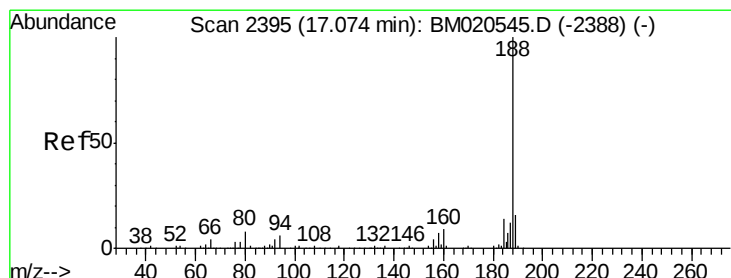
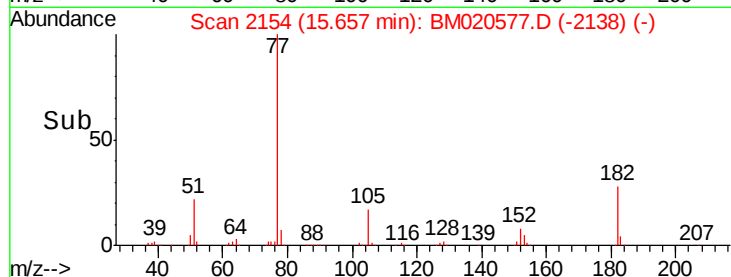
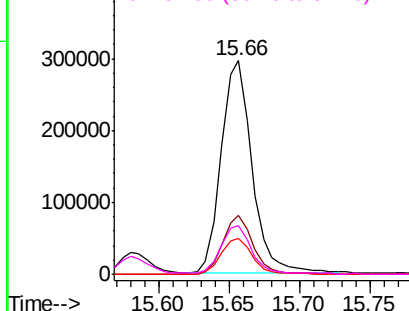


Abundance Ion 77.00 (76.70 to 77.70): BM020545.D (-2149) (-)

Ion 182.00 (181.70 to 182.70): E

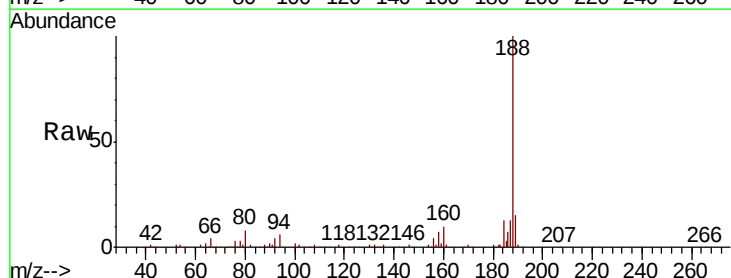
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM020545.D (-2149) (-)



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.07 min Scan# 2394  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

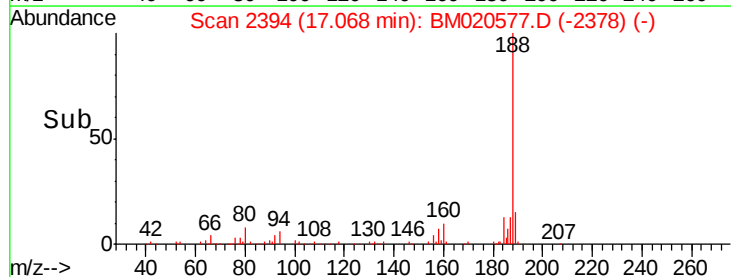
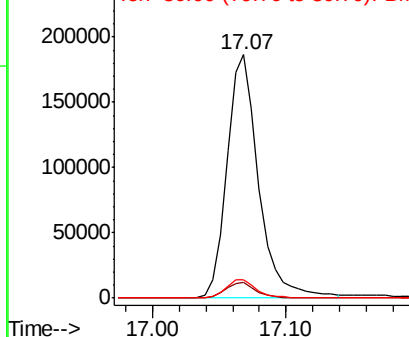
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 308880 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.4   | 5.0   | 7.4    |
| 80       | 7.7   | 6.5   | 9.7    |

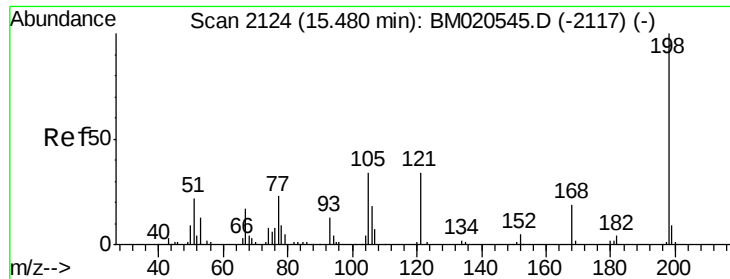


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM020545.D (-2388) (-)

Ion 80.00 (79.70 to 80.70): BM020545.D (-2388) (-)





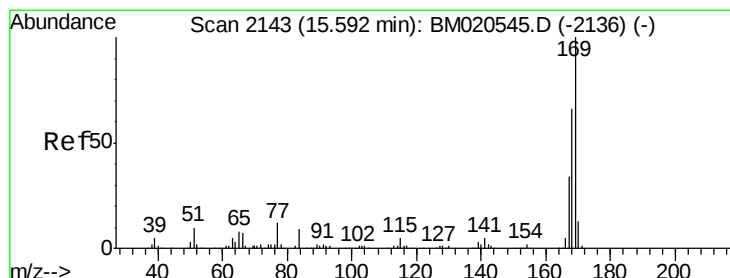
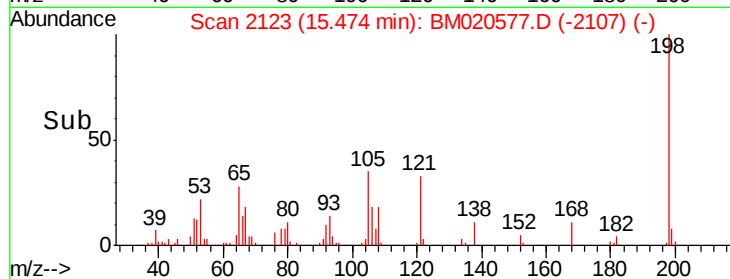
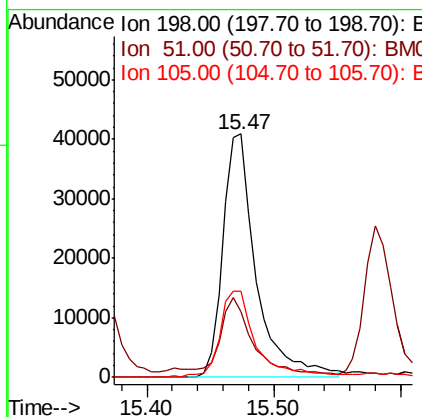
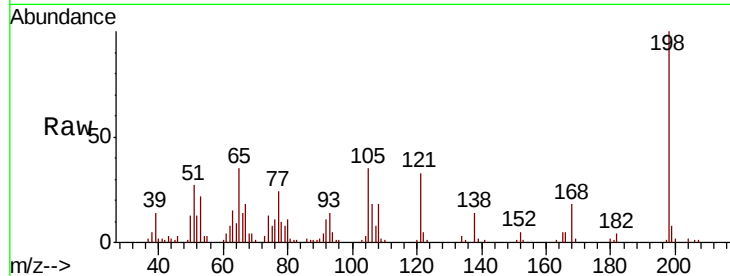
#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.301 ng  
RT: 15.47 min Scan# 2123  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 74313 |       |       |
| 51      | 26.9  |       | 6.4   | 46.4  |
| 105     | 35.4  |       | 15.1  | 55.1  |

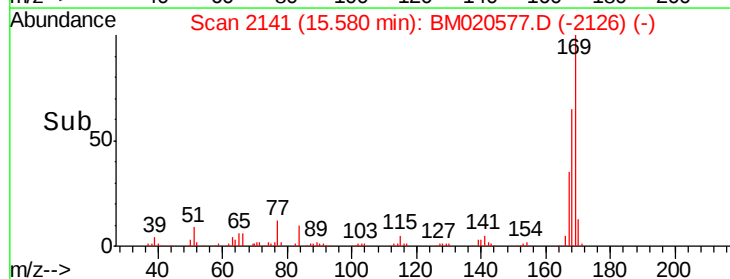
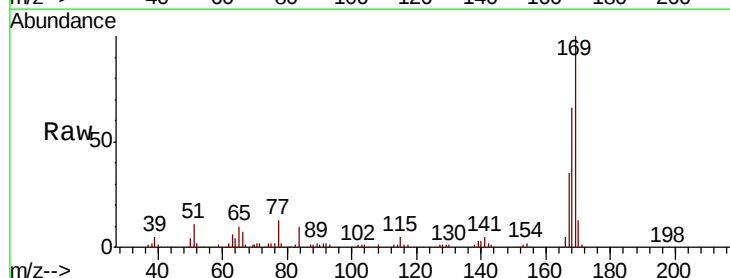
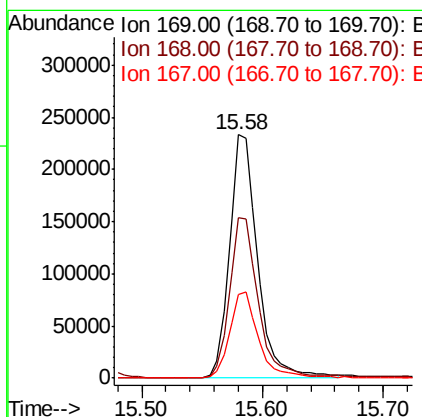
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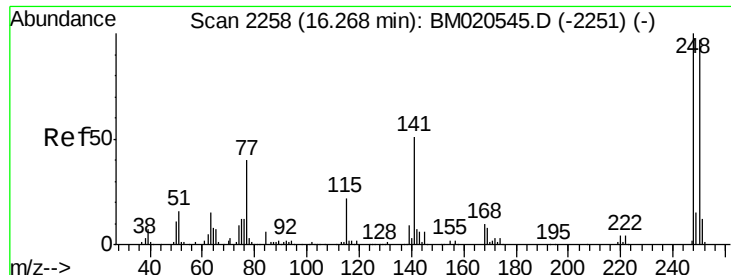
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#66  
n-Nitrosodiphenylamine  
Concen: 45.161 ng  
RT: 15.58 min Scan# 2141  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 378229 |       |       |
| 168     | 66.0  |        | 52.5  | 78.7  |
| 167     | 34.5  |        | 27.5  | 41.3  |





#67

4-Bromophenyl-phenylether

Concen: 44.504 ng

RT: 16.26 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

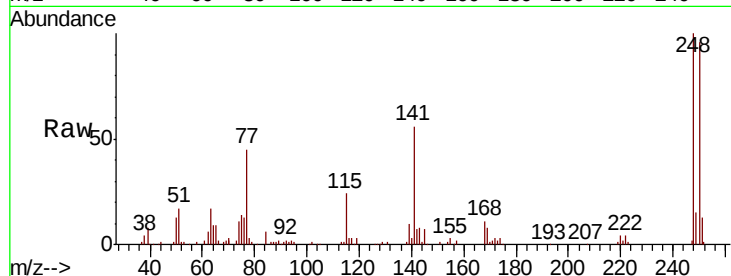
ClientSampleId :

CL-02-051719MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 248   | Resp: | 183126 |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 96.1  | 77.8  | 116.6  |
| 141       | 55.6  | 41.0  | 61.6   |

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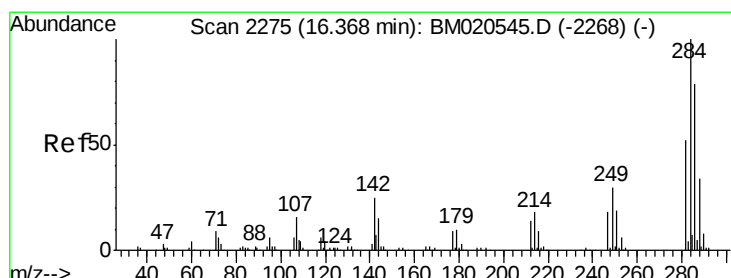
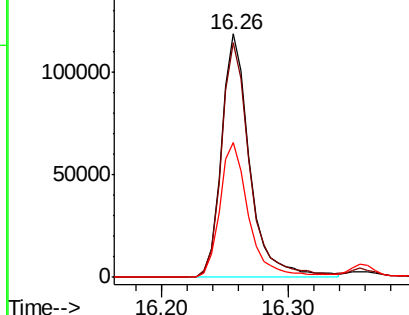
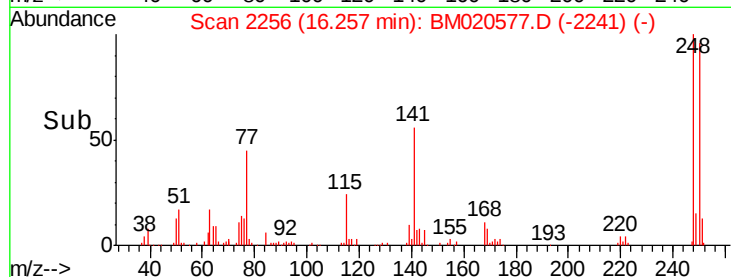


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 43.690 ng

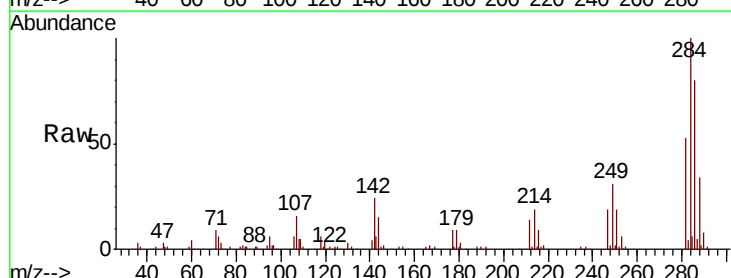
RT: 16.36 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 217968 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 24.3  | 20.2  | 30.2   |
| 249       | 30.5  | 23.9  | 35.9   |

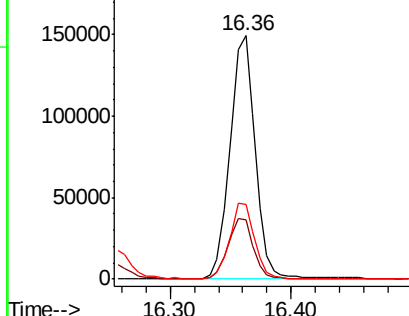
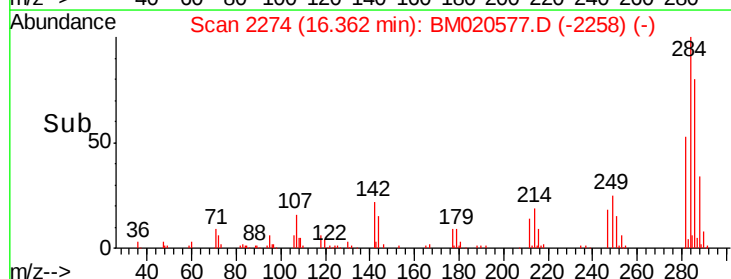


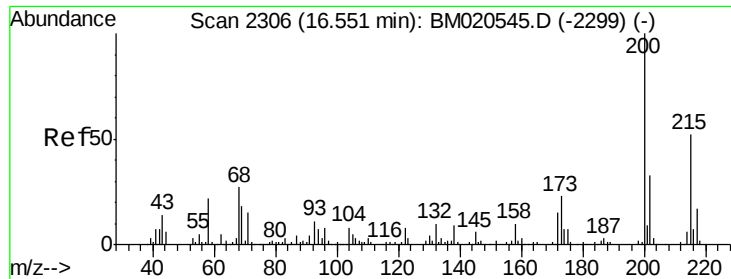
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





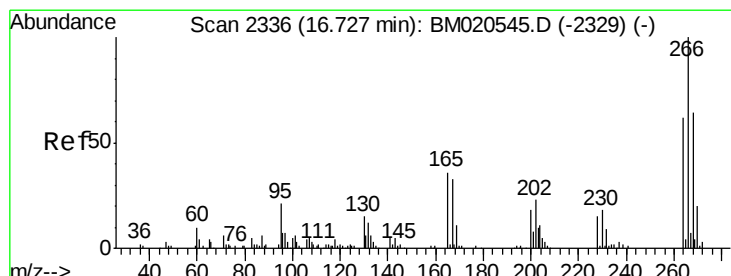
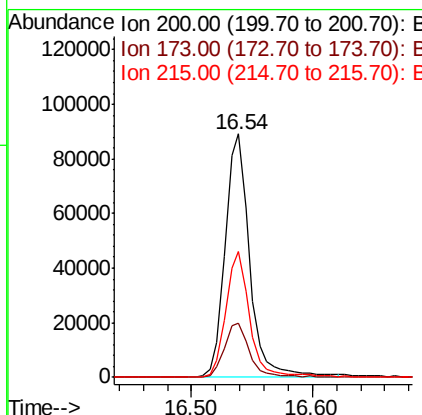
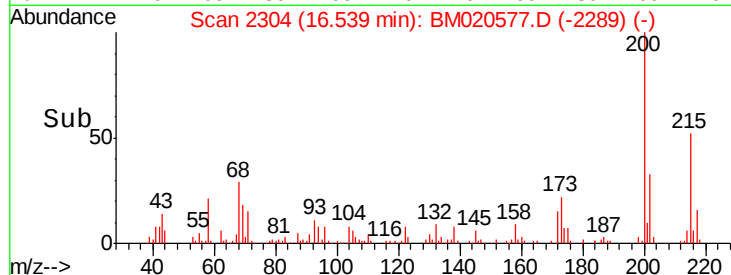
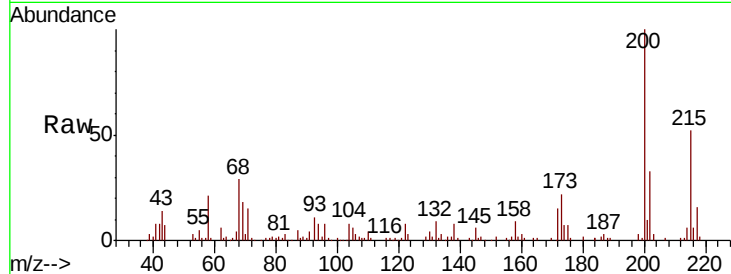
#69  
Atrazine  
Concen: 36.432 ng  
RT: 16.54 min Scan# 2304  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 22.1  | 3.2        | 43.2       |
| 215     | 51.5  | 31.7       | 71.7       |

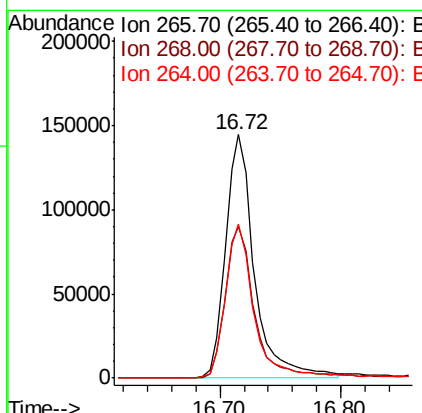
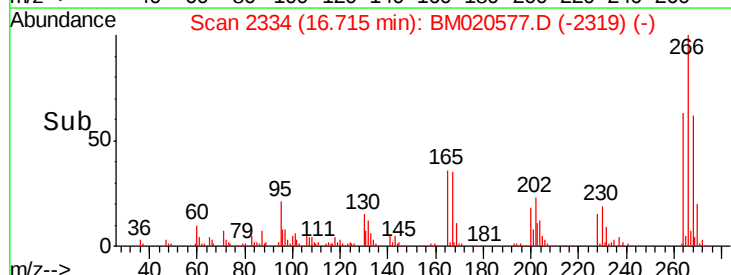
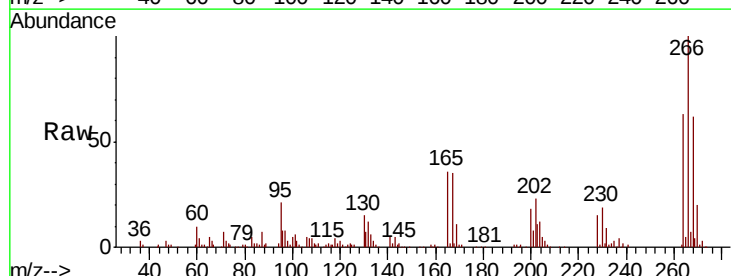
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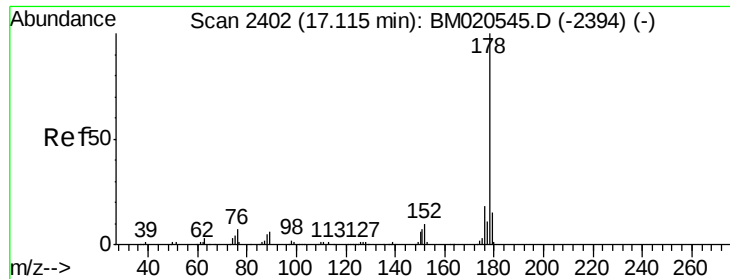
mohammad  
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#70  
Pentachlorophenol  
Concen: 93.225 ng  
RT: 16.72 min Scan# 2334  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 62.3  | 51.0       | 76.4       |
| 264     | 63.1  | 49.8       | 74.8       |





#71

Phenanthrene

Concen: 43.248 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

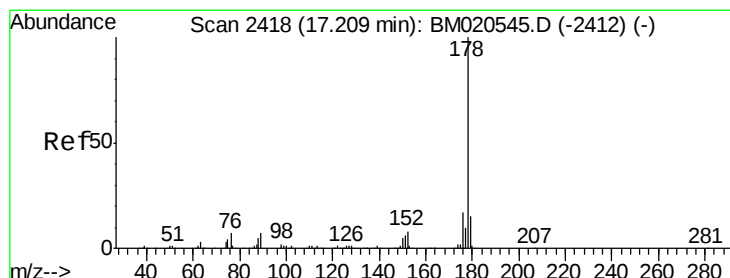
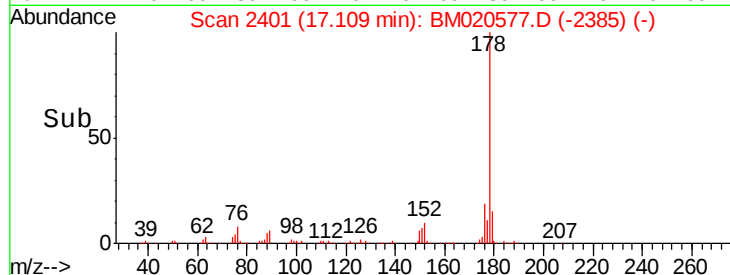
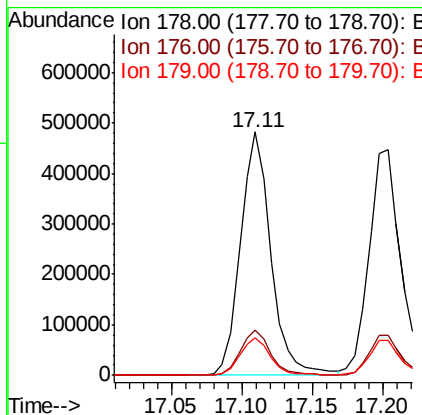
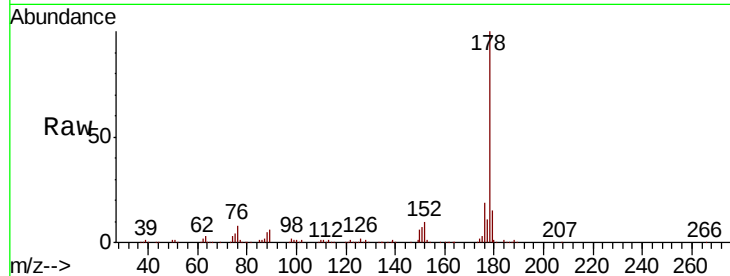
ClientSampleId :

CL-02-051719MS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 725704    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.7  | 14.7 22.1 |
| 179         | 15.4  | 12.2 18.2 |

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#72

Anthracene

Concen: 42.260 ng

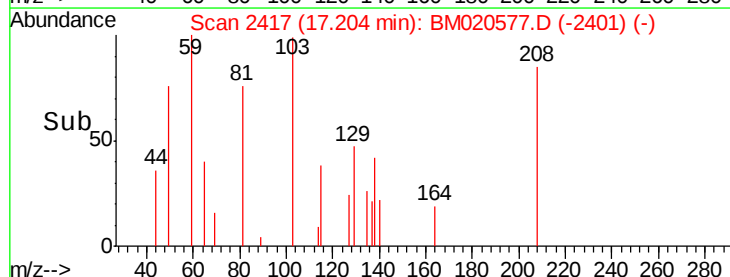
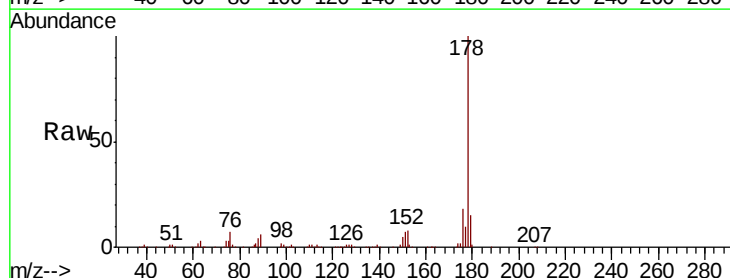
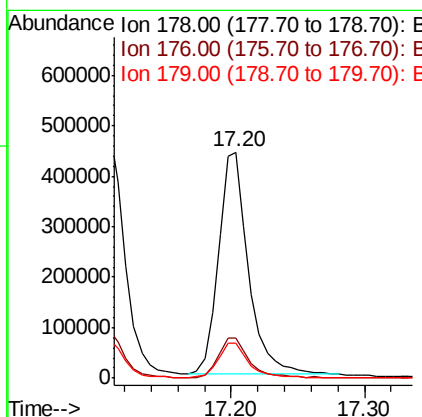
RT: 17.20 min Scan# 2417

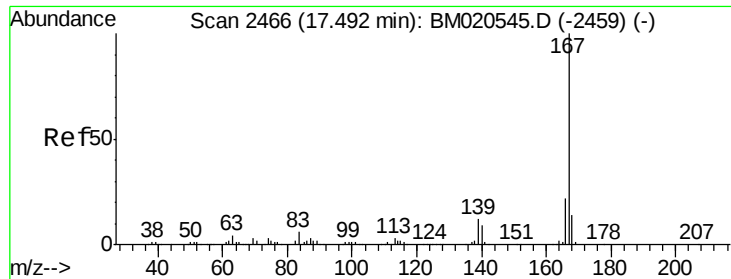
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 687685    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.0  | 14.0 21.0 |
| 179         | 15.4  | 12.4 18.6 |





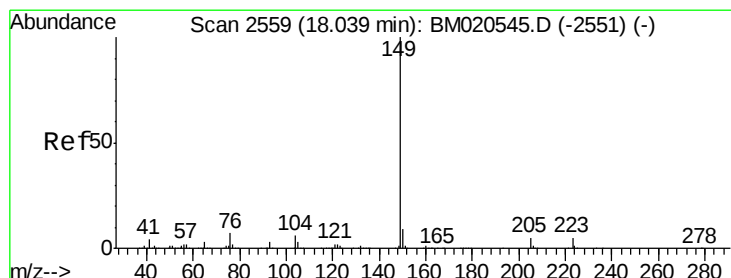
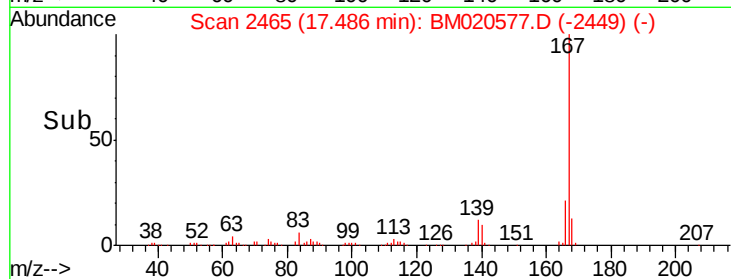
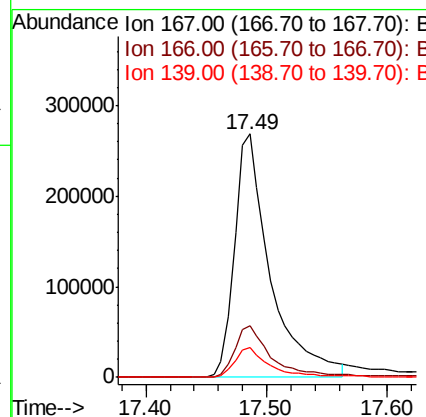
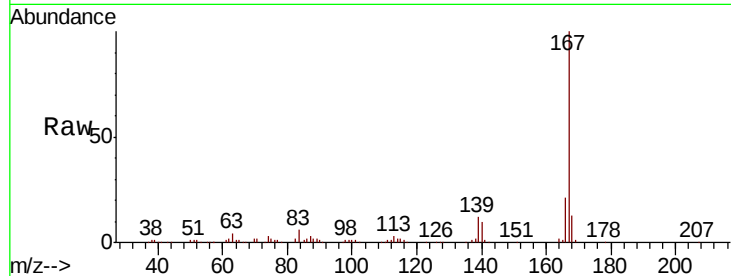
#73  
 Carbazole  
 Concen: 39.826 ng  
 RT: 17.49 min Scan# 2465  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.1  | 17.4  | 26.0  |
| 139     | 12.1  | 9.3   | 13.9  |

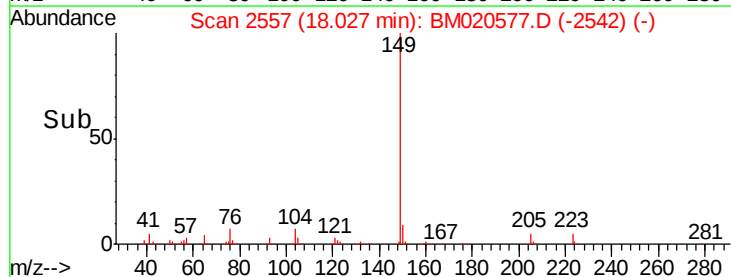
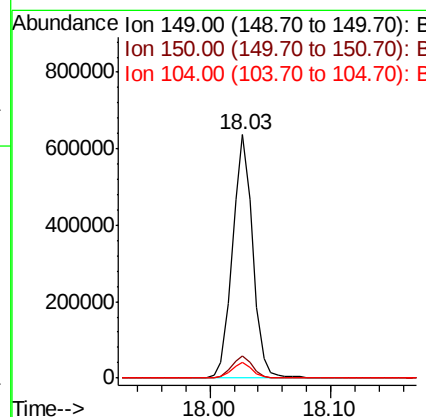
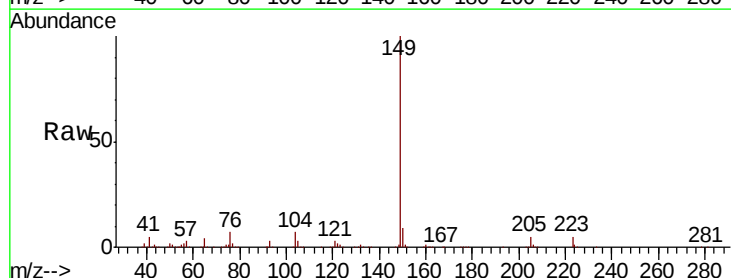
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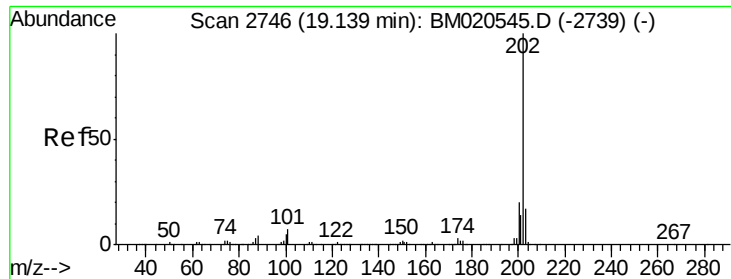
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#74  
 Di-n-butylphthalate  
 Concen: 43.120 ng  
 RT: 18.03 min Scan# 2557  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 7.3   | 10.9  |
| 104     | 6.6   | 5.0   | 7.4   |





#75

Fluoranthene

Concen: 42.037 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

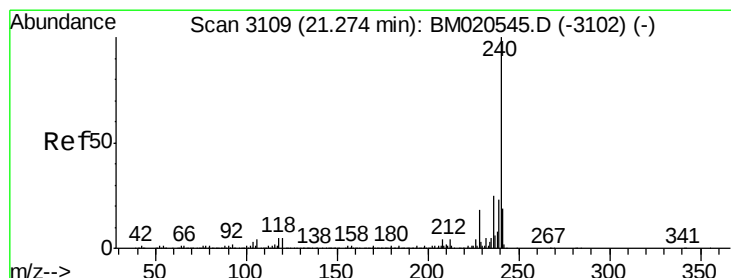
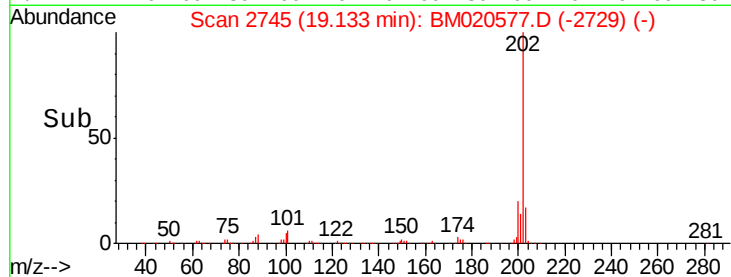
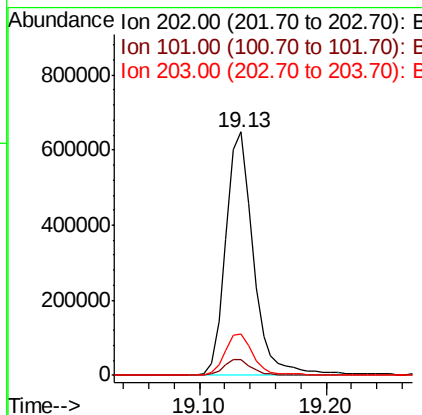
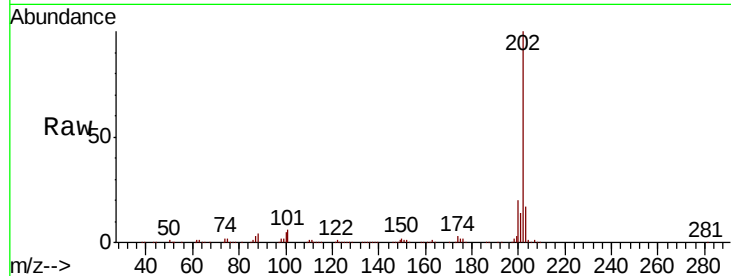
ClientSampleId :

CL-02-051719MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 980911 |       |       |
| 101     | 6.5   | 0.0    | 26.7  |       |
| 203     | 17.1  | 0.0    | 37.4  |       |

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#76

Chrysene-d12

Concen: 20.000 ng

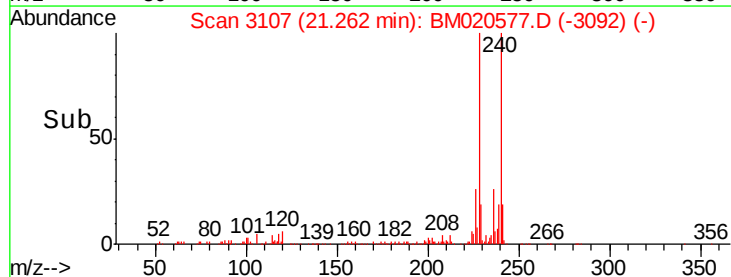
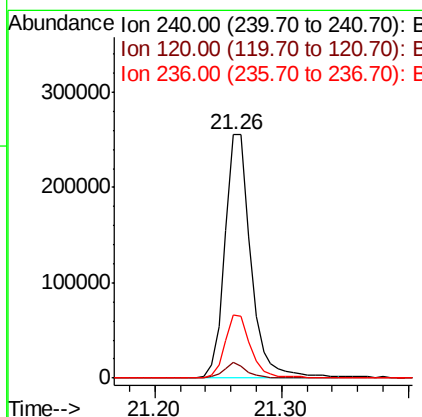
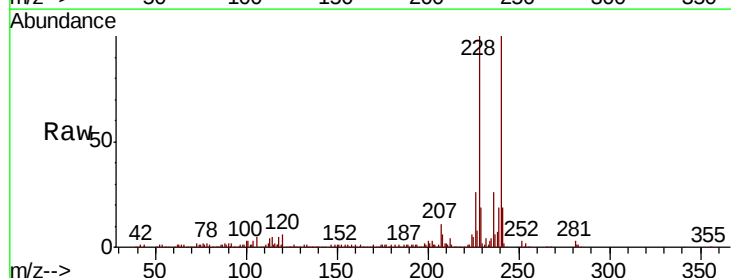
RT: 21.26 min Scan# 3107

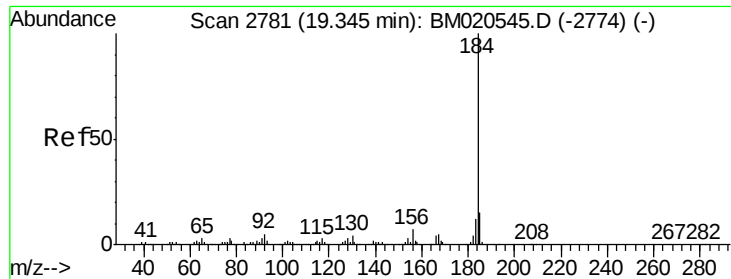
Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 363045 |       |       |
| 120     | 6.2   | 4.1    | 6.1#  |       |
| 236     | 26.1  | 20.2   | 30.4  |       |





#77

Benzidine

Concen: 6.596 ng/mL

RT: 19.37 min Scan# 2786

Delta R.T. 0.03 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

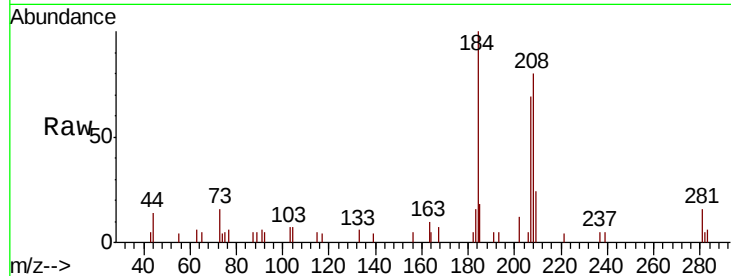
ClientSampleId :

CL-02-051719MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 44006 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 17.5  | 11.8  | 17.8  |
| 183       | 16.5  | 9.7   | 14.5  |

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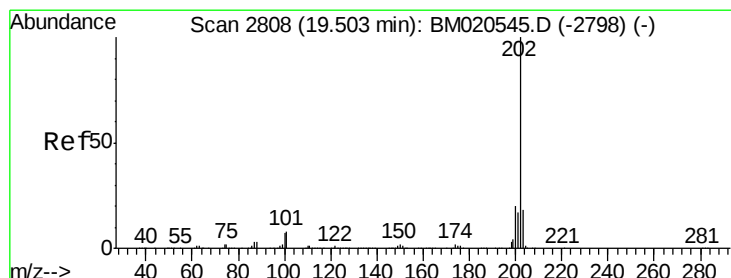
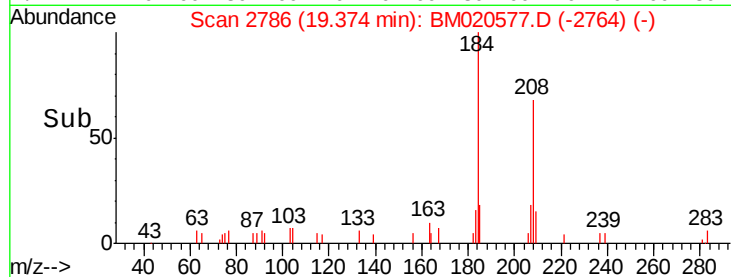
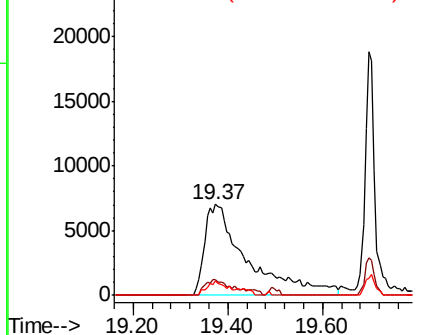


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.014 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

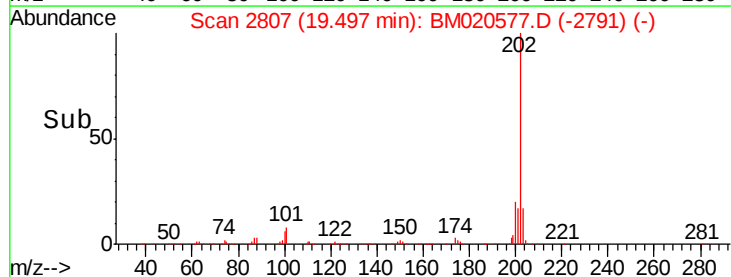
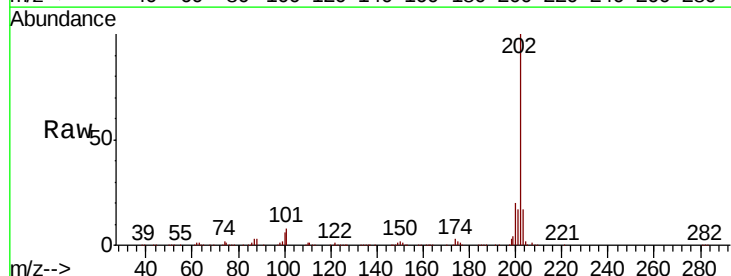
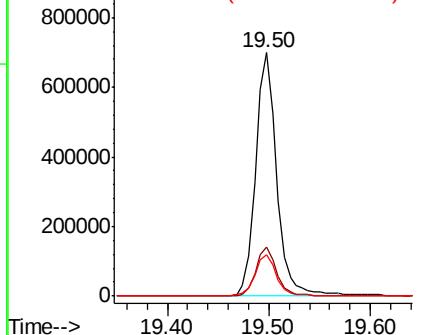
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1003178 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.2  | 16.0  | 24.0    |
| 203       | 17.2  | 14.1  | 21.1    |

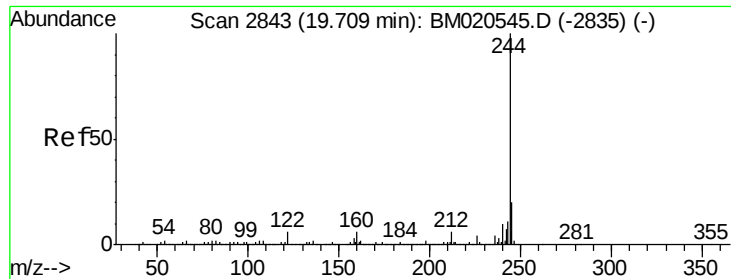
Abundance

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





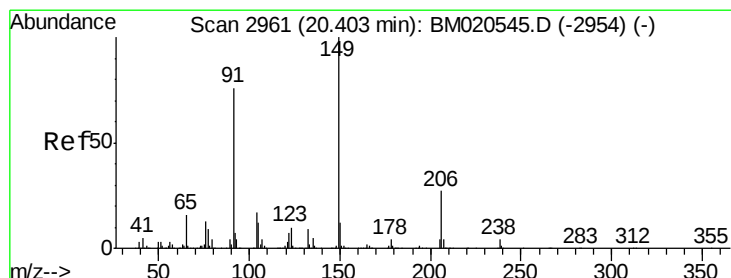
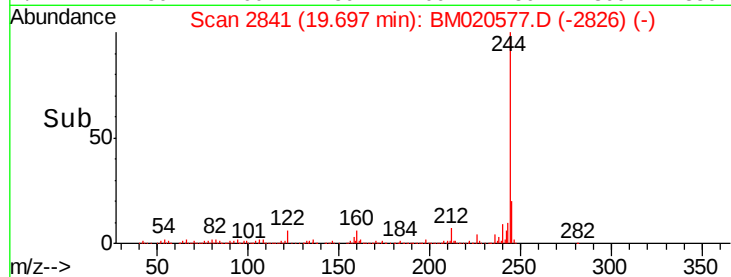
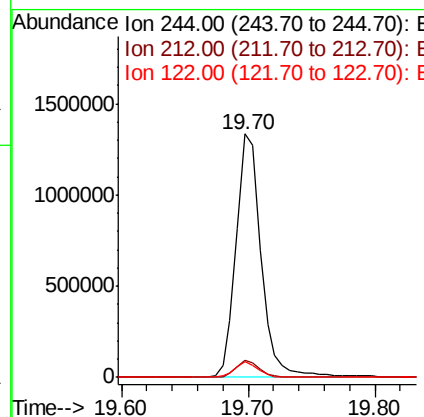
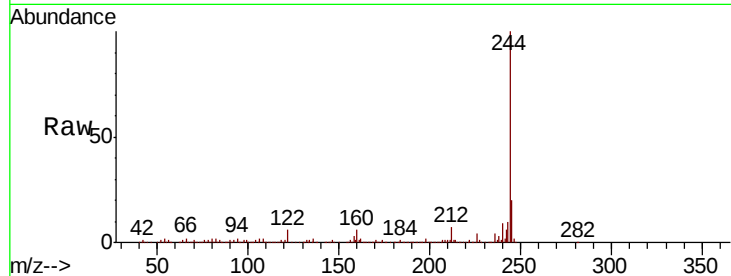
#79  
 Terphenyl-d14  
 Concen: 90.455 ng  
 RT: 19.70 min Scan# 2841  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.0   | 7.6   |
| 122     | 6.3   | 4.6   | 7.0   |

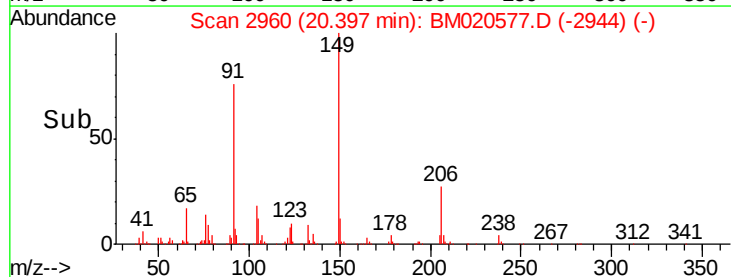
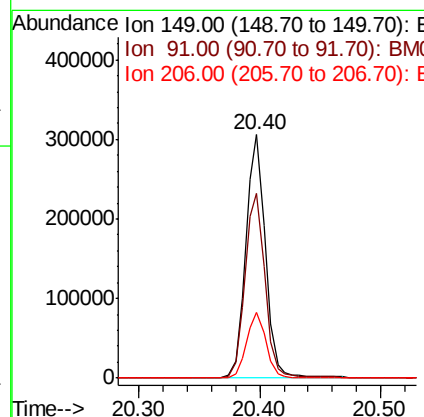
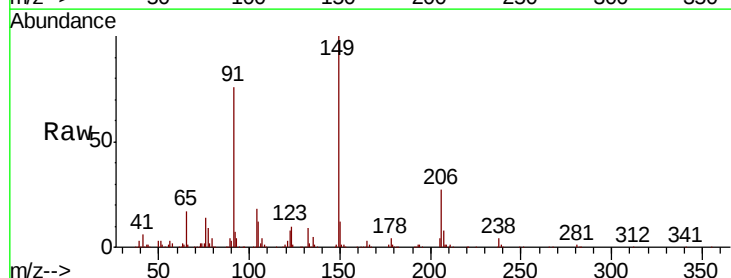
Manual Integrations  
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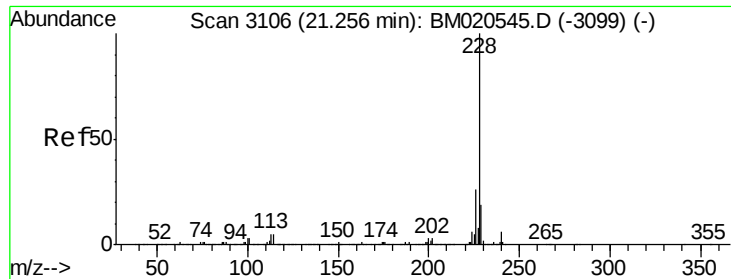
mohammad  
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#80  
 Butylbenzylphthalate  
 Concen: 43.467 ng  
 RT: 20.40 min Scan# 2960  
 Delta R.T. -0.01 min  
 Lab File: BM020577.D  
 Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 76.0  | 60.9  | 91.3  |
| 206     | 27.2  | 21.6  | 32.4  |





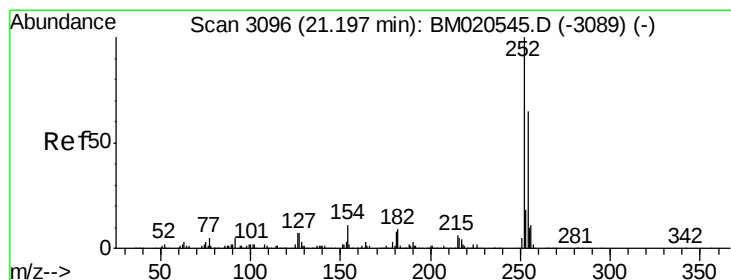
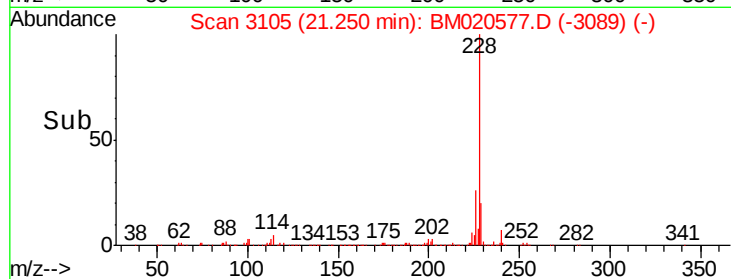
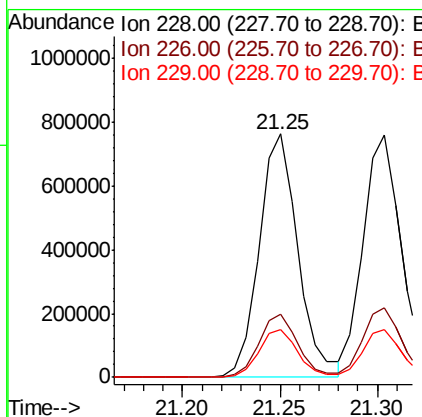
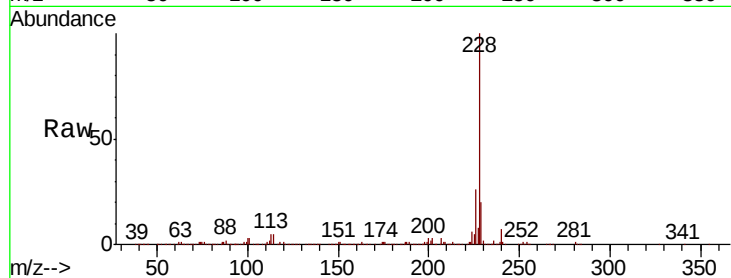
#81  
Benzo(a)anthracene  
Concen: 41.850 ng  
RT: 21.25 min Scan# 3105  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 228     | 100  |       |       |       |
| 226     | 26.1 | 20.7  | 31.1  |       |
| 229     | 19.5 | 15.5  | 23.3  |       |

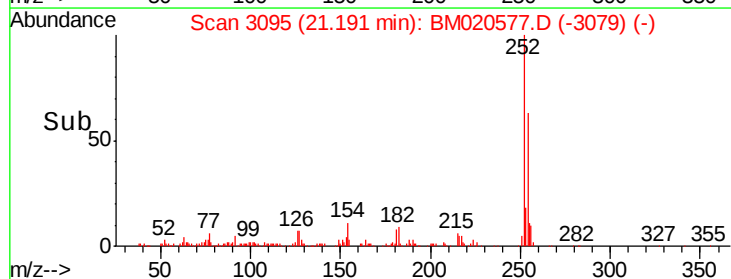
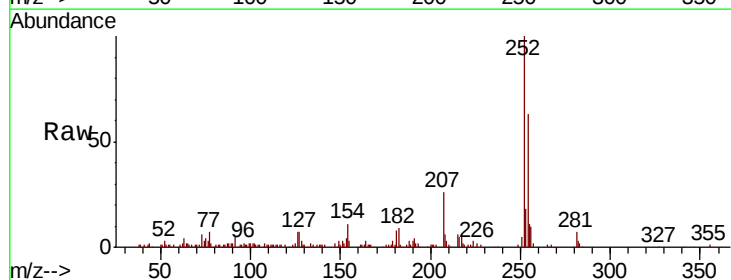
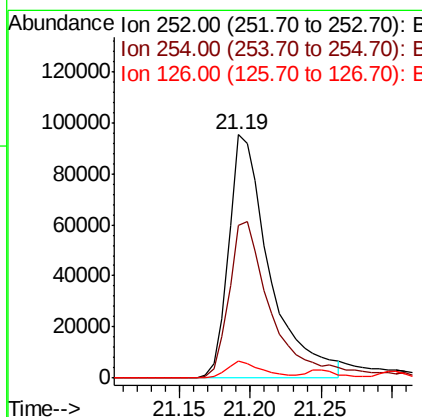
Manual Integrations  
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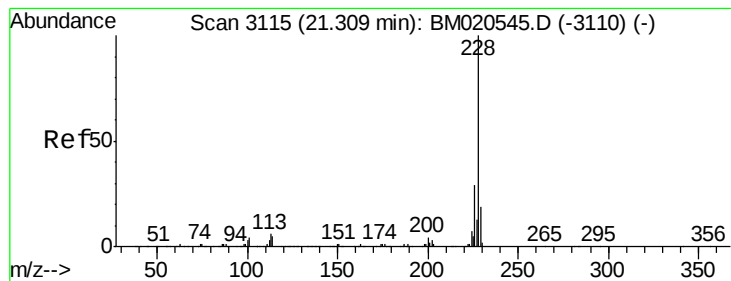
mohammad  
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#82  
3,3'-Dichlorobenzidine  
Concen: 21.023 ng  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 252     | 100  |       |       |       |
| 254     | 62.9 | 51.8  | 77.6  |       |
| 126     | 7.1  | 5.2   | 7.8   |       |





#83

Chrysene

Concen: 43.391 ng

RT: 21.30 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

ClientSampled :

CL-02-051719MS

Tot Ion:228 Resp: 1053513

Ion Ratio Lower Upper

228 100

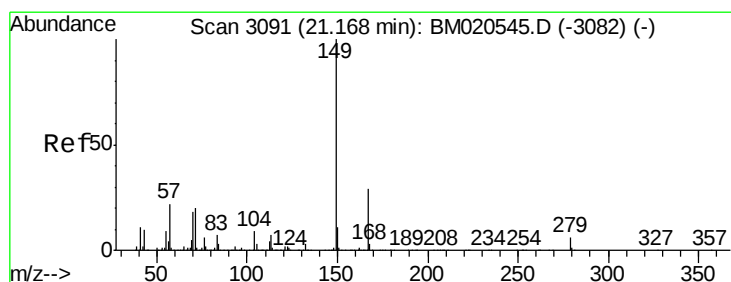
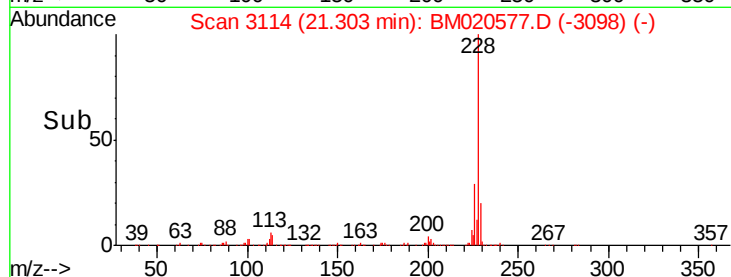
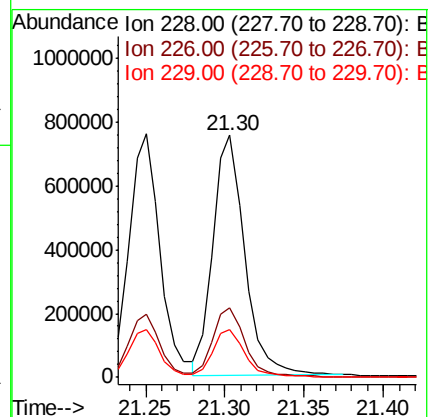
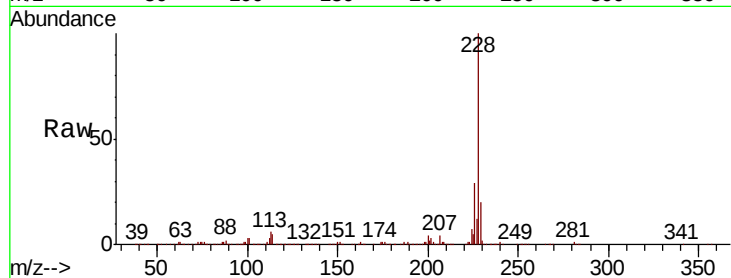
226 28.8 22.9 34.3

229 19.9 15.4 23.2

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#84

Bis(2-ethylhexyl)phthalate

Concen: 45.242 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

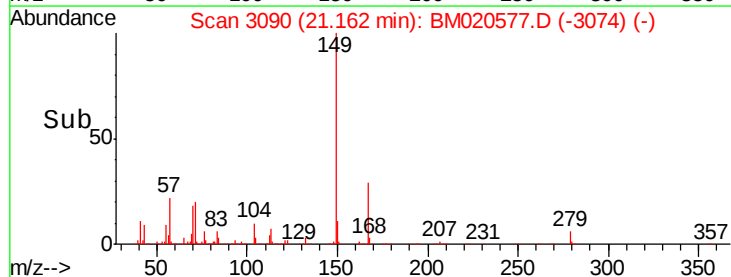
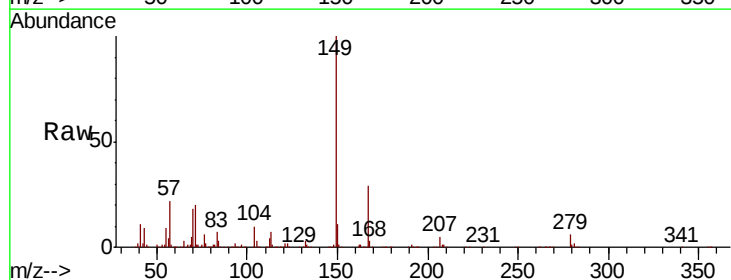
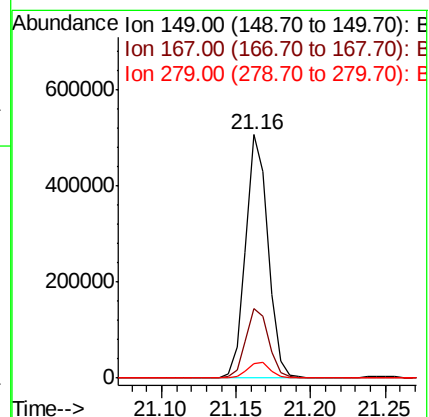
Tgt Ion:149 Resp: 528055

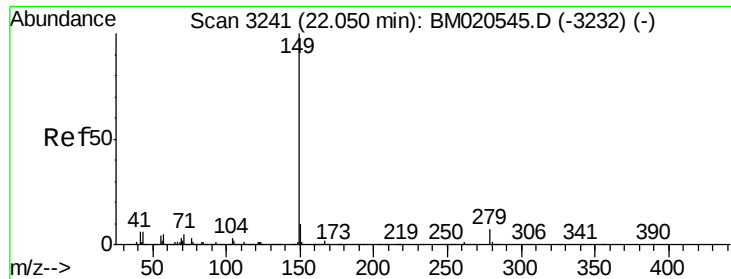
Ion Ratio Lower Upper

149 100

167 28.7 22.9 34.3

279 6.1 4.9 7.3





#85

Di-n-octyl phthalate

Concen: 46.469 ng

RT: 22.04 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

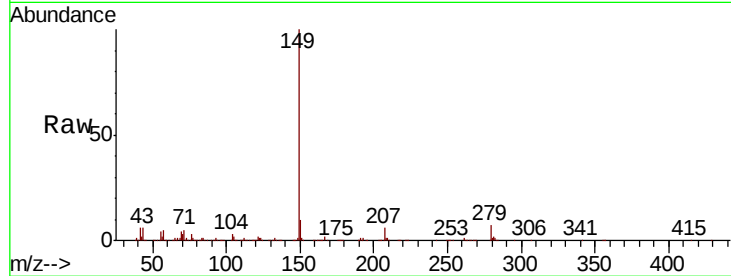
ClientSampleId :

CL-02-051719MS

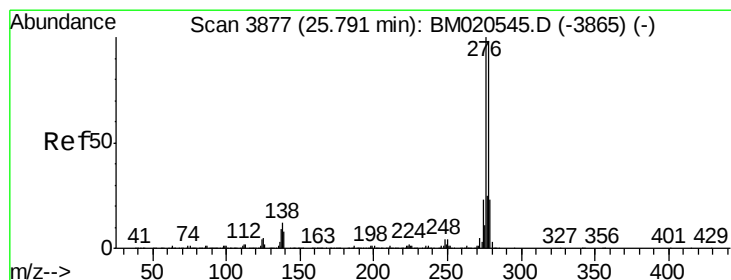
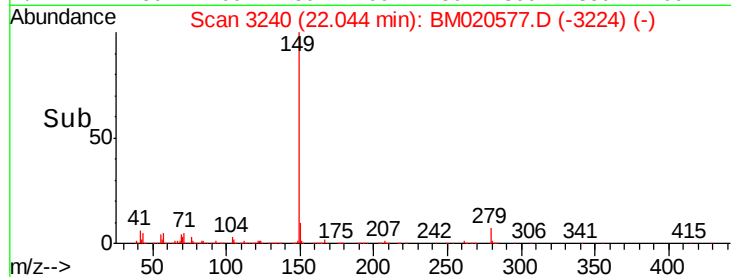
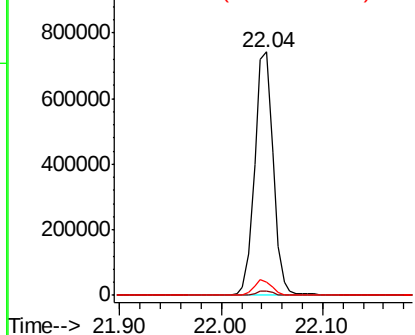
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 942906 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.7   | 1.4   | 2.0    |
| 43        | 6.1   | 4.8   | 7.2    |

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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: 47.980 ng

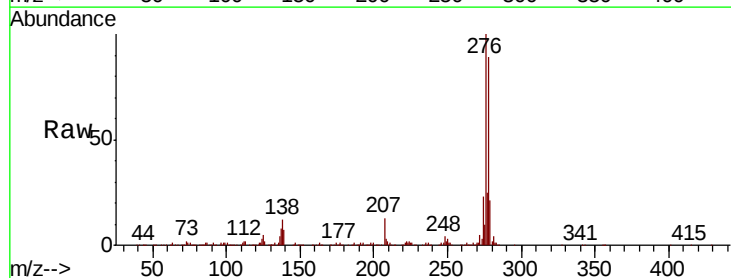
RT: 25.77 min Scan# 3874

Delta R.T. -0.02 min

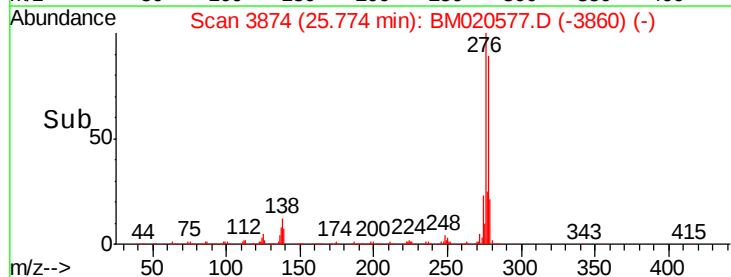
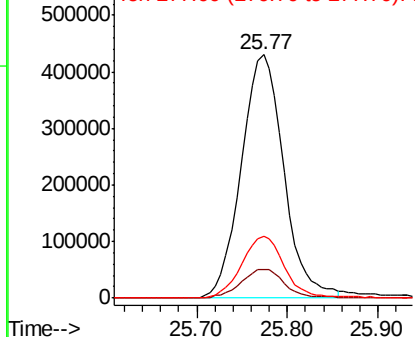
Lab File: BM020577.D

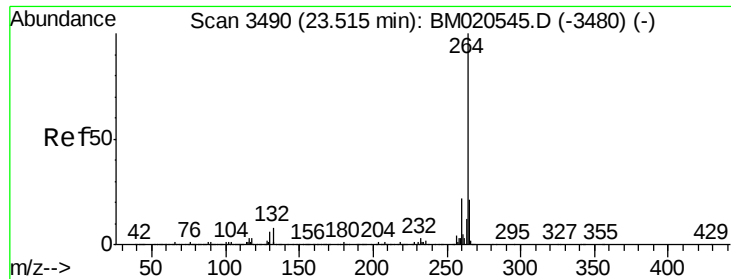
Acq: 28 May 2019 12:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 1408537 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 138       | 12.1  | 9.7   | 14.5    |
| 277       | 25.3  | 20.4  | 30.6    |



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





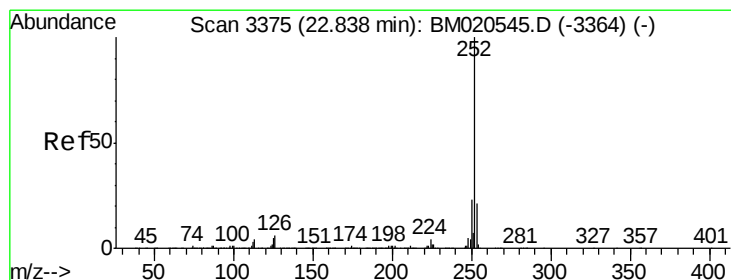
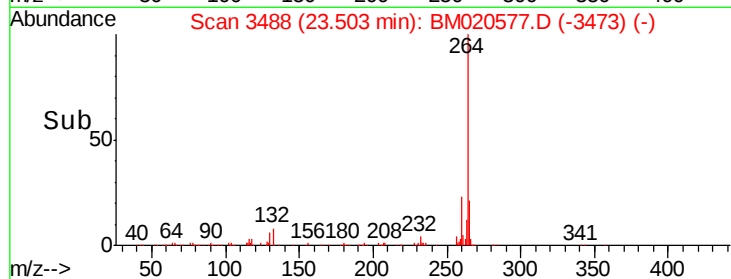
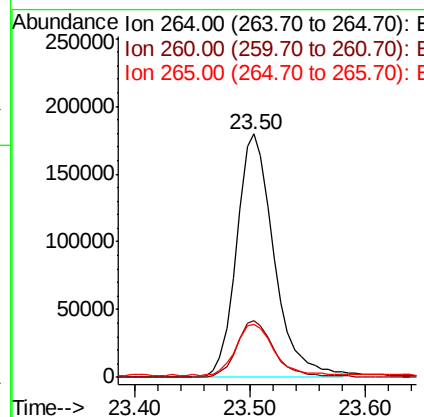
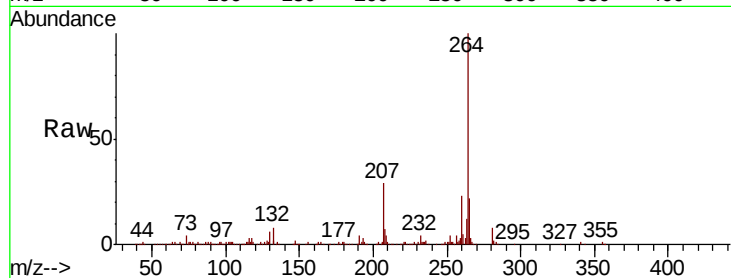
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.50 min Scan# 3488  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 17.7  | 26.5  |
| 265     | 21.9  | 17.4  | 26.2  |

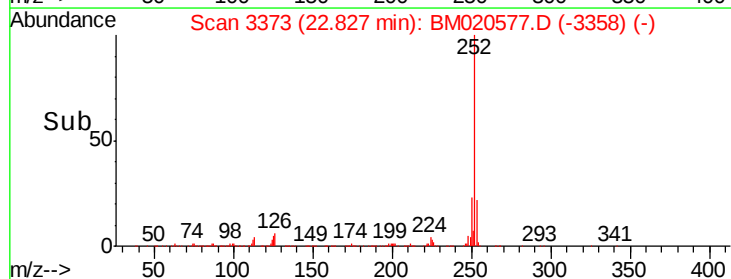
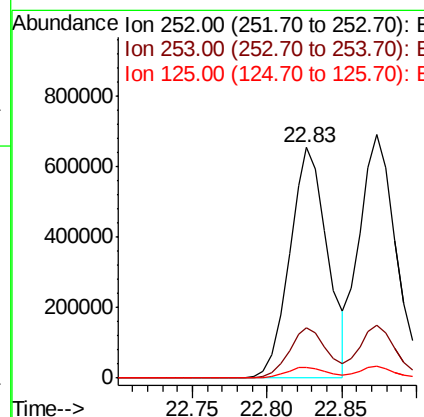
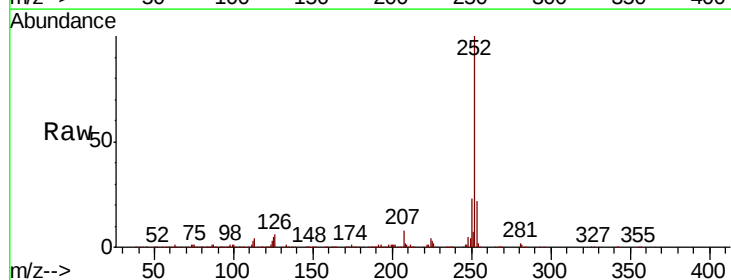
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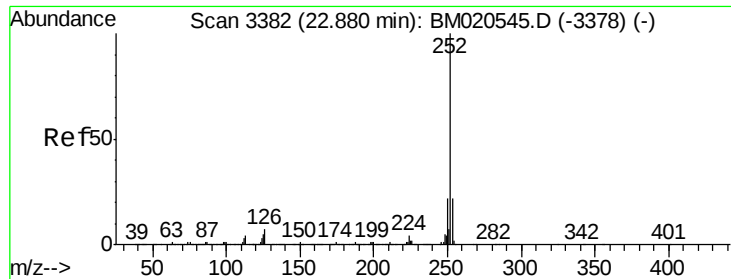
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#88  
Benzo(b)fluoranthene  
Concen: 43.788 ng  
RT: 22.83 min Scan# 3373  
Delta R.T. -0.01 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.1  | 25.7  |
| 125     | 4.7   | 3.8   | 5.8   |





#89

Benzo(k)fluoranthene

Concen: 45.929 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

Instrument :

BNA\_M

ClientSampleId :

CL-02-051719MS

Tot Ion:252 Resp: 1177260

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

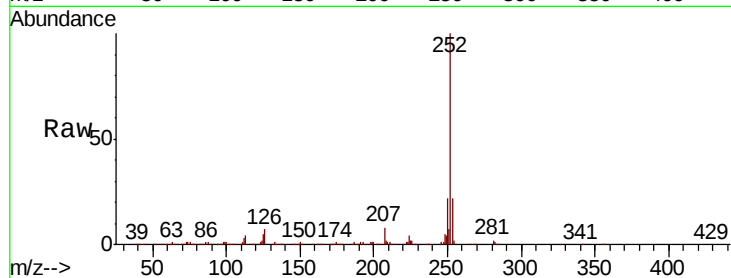
125 4.6 4.2 6.4

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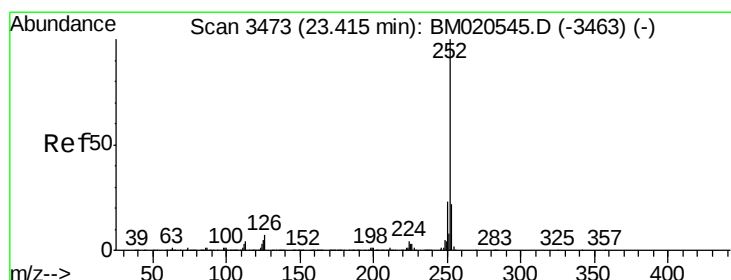
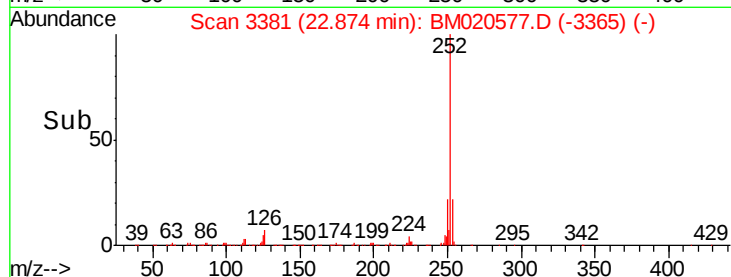
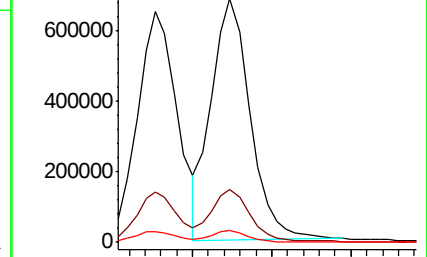
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 46.098 ng

RT: 23.41 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BM020577.D

Acq: 28 May 2019 12:38

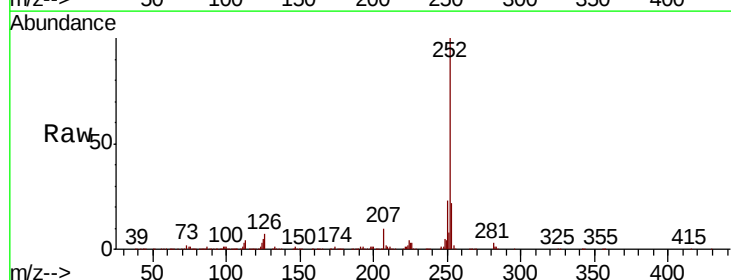
Tgt Ion:252 Resp: 1120325

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

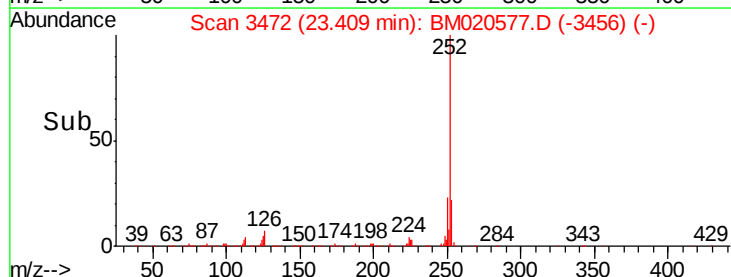
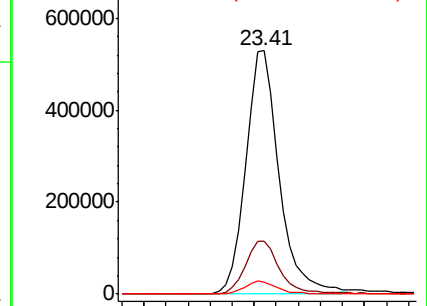
125 5.0 4.2 6.4

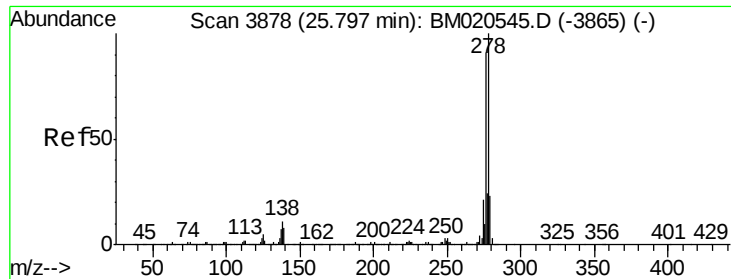


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





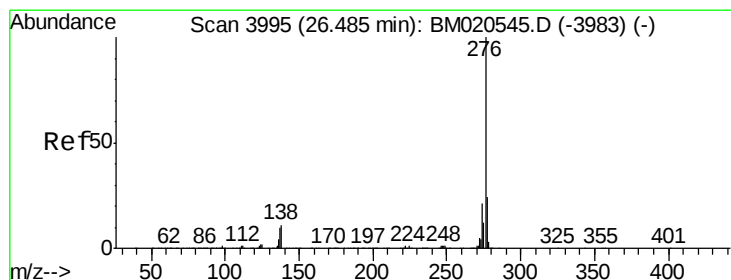
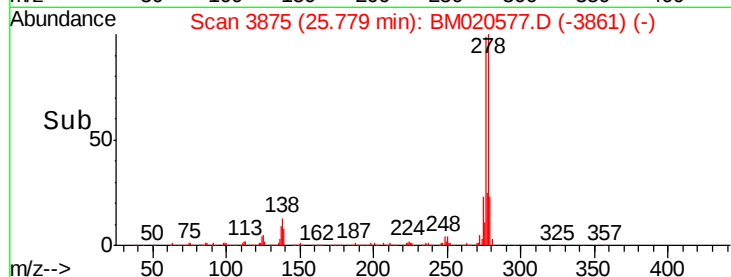
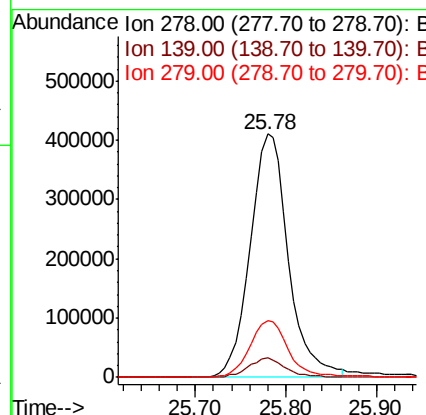
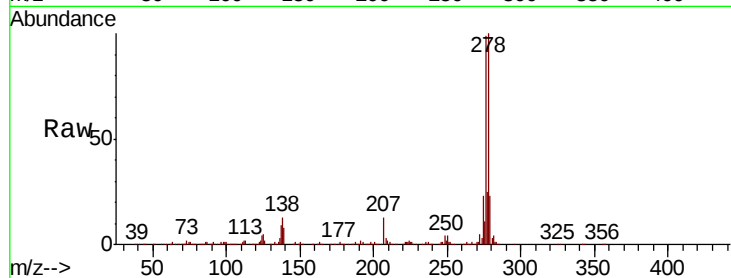
#91  
Dibenzo(a,h)anthracene  
Concen: 48.518 ng  
RT: 25.78 min Scan# 3875  
Delta R.T. -0.02 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

Instrument :  
BNA\_M  
ClientSampleId :  
CL-02-051719MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 7.9   | 6.3   | 9.5   |
| 279     | 23.5  | 18.3  | 27.5  |

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#92  
Benzo(g,h,i)perylene  
Concen: 50.135 ng  
RT: 26.47 min Scan# 3992  
Delta R.T. -0.02 min  
Lab File: BM020577.D  
Acq: 28 May 2019 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.0  | 19.1  | 28.7  |
| 138     | 10.4  | 8.6   | 12.8  |

