

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020420\  
 Data File : BM024713.D  
 Acq On : 04 Feb 2020 19:08  
 Operator : CG/JU  
 Sample : L1016-19MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

Manual Integrations  
 APPROVED

mohammad  
 2/10/2020 8:10:11 AM

Quant Time: Feb 05 04:11:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 215166   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.18 | 136  | 785998   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.07 | 164  | 509501   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 16.83 | 188  | 1112437  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.04 | 240  | 1205395  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.15 | 264  | 1455892  | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.07  | 112 | 1547748 | 136.80 | ng | -0.01 |
| 7) Phenol-d6                | 6.63  | 99  | 1904320 | 122.18 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 8.56  | 82  | 1219057 | 76.06  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 15.57 | 330 | 1167187 | 140.83 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 12.69 | 172 | 3373534 | 90.02  | ng | -0.02 |
| 79) Terphenyl-d14           | 19.49 | 244 | 6215445 | 96.26  | ng | -0.02 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.07  | 88  | 158253  | 35.360 | ng | # 50 |
| 3) Pyridine                    | 3.45  | 79  | 415596  | 32.032 | ng | 97   |
| 4) n-Nitrosodimethylamine      | 3.35  | 42  | 193960  | 33.680 | ng | 82   |
| 6) Aniline                     | 6.76  | 93  | 303251  | 15.983 | ng | 97   |
| 8) 2-Chlorophenol              | 7.00  | 128 | 613673  | 47.647 | ng | 93   |
| 9) Benzaldehyde                | 6.57  | 77  | 161239  | 17.508 | ng | 90   |
| 10) Phenol                     | 6.65  | 94  | 700827  | 45.109 | ng | 93   |
| 11) bis(2-Chloroethyl)ether    | 6.86  | 93  | 503964  | 40.520 | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 7.31  | 146 | 637196  | 40.271 | ng | 96   |
| 13) 1,4-Dichlorobenzene        | 7.46  | 146 | 654477  | 40.772 | ng | 97   |
| 14) 1,2-Dichlorobenzene        | 7.77  | 146 | 629690  | 40.640 | ng | 97   |
| 15) Benzyl Alcohol             | 7.67  | 79  | 510676  | 39.740 | ng | 93   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.96  | 45  | 394942  | 34.686 | ng | 98   |
| 17) 2-Methylphenol             | 7.87  | 107 | 485384  | 44.334 | ng | 95   |
| 18) Hexachloroethane           | 8.48  | 117 | 224859  | 36.276 | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 8.23  | 70  | 411774m | 35.188 | ng |      |
| 20) 3+4-Methylphenols          | 8.20  | 107 | 657339  | 43.373 | ng | 95   |
| 22) Acetophenone               | 8.23  | 105 | 831406  | 41.022 | ng | 96   |
| 24) Nitrobenzene               | 8.60  | 77  | 622788  | 40.549 | ng | 94   |
| 25) Isophorone                 | 9.13  | 82  | 1131523 | 41.550 | ng | 97   |
| 26) 2-Nitrophenol              | 9.30  | 139 | 357167  | 50.221 | ng | # 87 |
| 27) 2,4-Dimethylphenol         | 9.39  | 122 | 530819  | 54.926 | ng | 93   |
| 28) bis(2-Chloroethoxy)methane | 9.62  | 93  | 688634  | 41.395 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 9.84  | 162 | 647457  | 49.588 | ng | 96   |
| 30) 1,2,4-Trichlorobenzene     | 10.05 | 180 | 695002  | 44.135 | ng | 99   |
| 31) Naphthalene                | 10.23 | 128 | 1752475 | 44.144 | ng | 100  |
| 32) Benzoic acid               | 9.55  | 122 | 413397m | 46.762 | ng |      |
| 33) 4-Chloroaniline            | 10.35 | 127 | 89406   | 5.138  | ng | 95   |
| 34) Hexachlorobutadiene        | 10.53 | 225 | 450621  | 41.396 | ng | 98   |
| 35) Caprolactam                | 11.13 | 113 | 177912m | 42.471 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 11.49 | 107 | 596724  | 42.980 | ng | 90   |
| 37) 2-Methylnaphthalene        | 11.85 | 142 | 1342447 | 43.819 | ng | 97   |
| 38) 1-Methylnaphthalene        | 12.08 | 142 | 1262961 | 43.338 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.24 | 216 | 818799  | 45.028 | ng | 99   |

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 SU-02-013120MSD

Manual Integrations  
 APPROVED

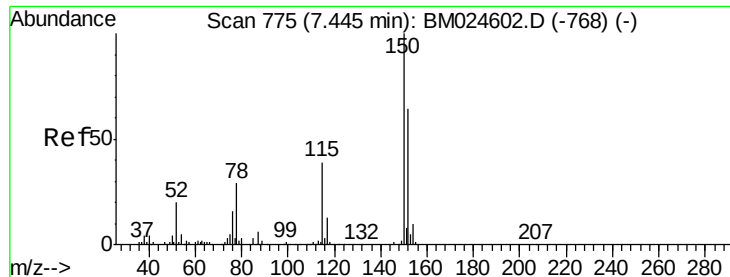
mohammad  
 2/10/2020 8:10:11 AM

Quant Time: Feb 05 04:11:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.23 | 237  | 884294   | 86.759  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.49 | 196  | 568723   | 49.148  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.56 | 196  | 605432   | 51.231  | nq    | 96       |
| 46) 1,1'-Biphenyl              | 12.90 | 154  | 1753758  | 45.484  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 12.93 | 162  | 1413703  | 45.416  | nq    | 97       |
| 48) 2-Nitroaniline             | 13.14 | 65   | 342552   | 36.082  | nq    | 86       |
| 49) Acenaphthylene             | 13.79 | 152  | 2199107  | 47.192  | nq    | 100      |
| 50) Dimethylphthalate          | 13.55 | 163  | 1953353  | 47.412  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.66 | 165  | 414857   | 47.362  | nq #  | 82       |
| 52) Acenaphthene               | 14.14 | 154  | 1301237  | 45.001  | nq    | 99       |
| 53) 3-Nitroaniline             | 13.98 | 138  | 152005   | 16.731  | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 14.20 | 184  | 510988   | 97.554  | nq #  | 83       |
| 55) Dibenzofuran               | 14.48 | 168  | 2190836  | 46.457  | nq    | 95       |
| 56) 4-Nitrophenol              | 14.32 | 139  | 719667   | 101.339 | nq #  | 81       |
| 57) 2,4-Dinitrotoluene         | 14.45 | 165  | 569636   | 45.376  | nq    | 87       |
| 58) Fluorene                   | 15.13 | 166  | 1754099  | 44.262  | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.72 | 232  | 576077   | 48.069  | nq    | 94       |
| 60) Diethylphthalate           | 14.93 | 149  | 1758469  | 42.042  | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.14 | 204  | 989663   | 43.315  | nq    | 96       |
| 62) 4-Nitroaniline             | 15.16 | 138  | 373341   | 37.229  | nq    | 89       |
| 63) Azobenzene                 | 15.43 | 77   | 1387643  | 38.894  | nq    | 92       |
| 65) 4,6-Dinitro-2-methylphenol | 15.22 | 198  | 357462   | 54.650  | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 15.36 | 169  | 1567429  | 49.052  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 655243   | 47.364  | nq    | 94       |
| 68) Hexachlorobenzene          | 16.14 | 284  | 767496   | 48.345  | nq    | 95       |
| 69) Atrazine                   | 16.32 | 200  | 615320   | 50.165  | nq    | 100      |
| 70) Pentachlorophenol          | 16.49 | 266  | 1023557  | 105.850 | nq    | 99       |
| 71) Phenanthrene               | 16.87 | 178  | 2837324  | 47.100  | nq    | 100      |
| 72) Anthracene                 | 16.96 | 178  | 2882575  | 48.904  | nq    | 100      |
| 73) Carbazole                  | 17.23 | 167  | 2586001  | 48.194  | nq    | 99       |
| 74) Di-n-butylphthalate        | 17.83 | 149  | 2960547  | 43.158  | nq    | 99       |
| 75) Fluoranthene               | 18.90 | 202  | 3587757  | 47.718  | nq    | 99       |
| 77) Benzidine                  | 19.09 | 184  | 1272858  | 45.343  | nq    | 100      |
| 78) Pyrene                     | 19.26 | 202  | 3693260  | 46.477  | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.20 | 149  | 1423501  | 42.691  | nq    | 93       |
| 81) Benzo(a)anthracene         | 21.03 | 228  | 3995192  | 47.754  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 936437   | 31.116  | nq    | 100      |
| 83) Chrysene                   | 21.08 | 228  | 3851018  | 48.240  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 2079635  | 42.269  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 21.85 | 149  | 3748984  | 46.122  | nq    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.23 | 276  | 5118338  | 58.825  | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 22.53 | 252  | 4503600  | 47.695  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.57 | 252  | 4107674  | 44.567  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.06 | 252  | 3959641  | 46.123  | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.24 | 278  | 4366208  | 53.584  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 25.85 | 276  | 4305229  | 58.188  | nq    | 99       |

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





#1

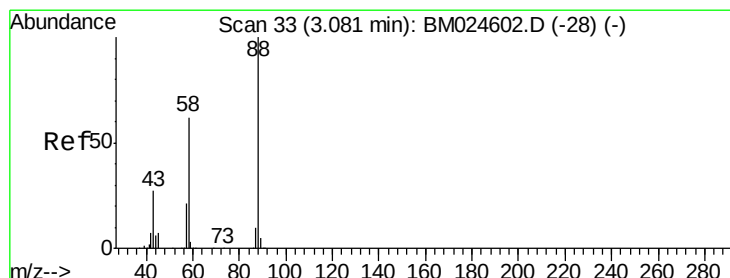
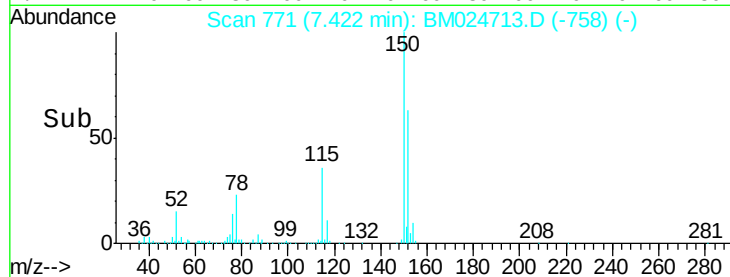
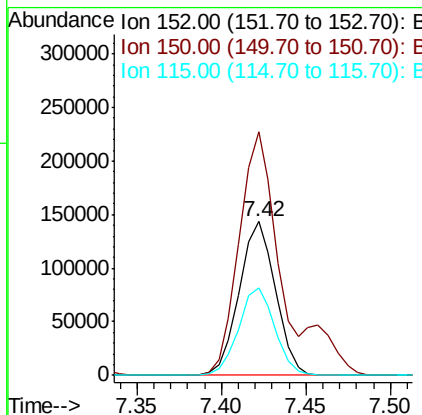
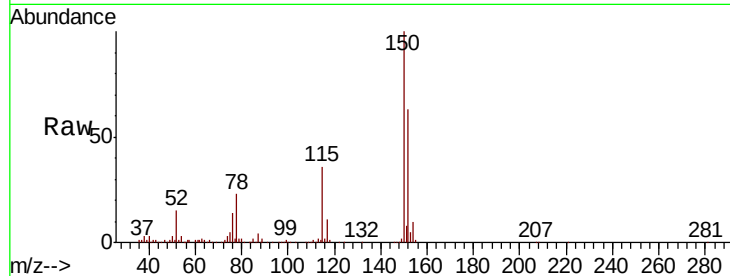
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.2 | 124.2 | 186.4 |
| 115     | 56.8  | 48.6  | 72.8  |

Manual Integrations  
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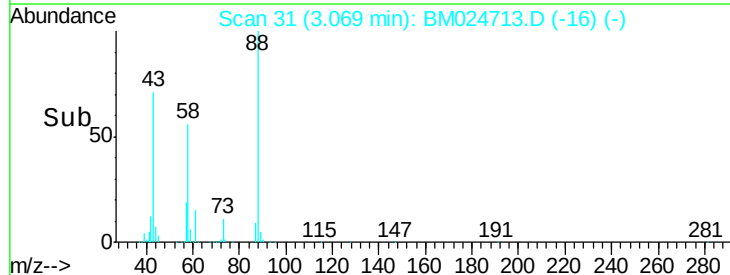
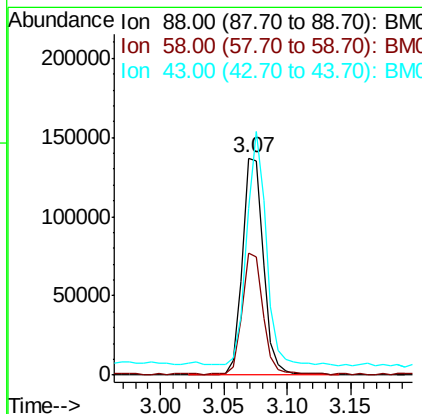
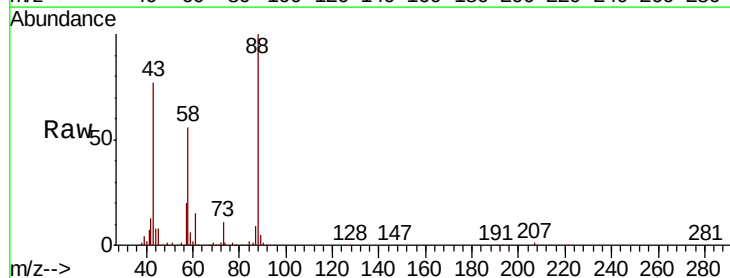
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2/10/2020 8:10:11 AM

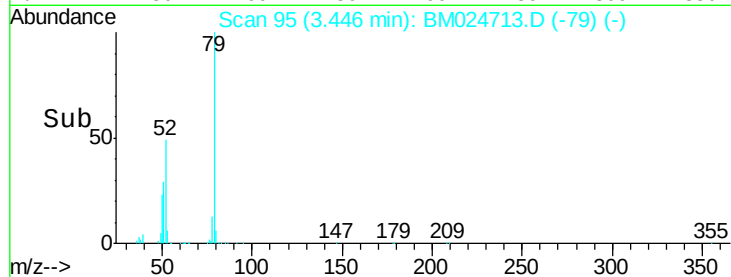
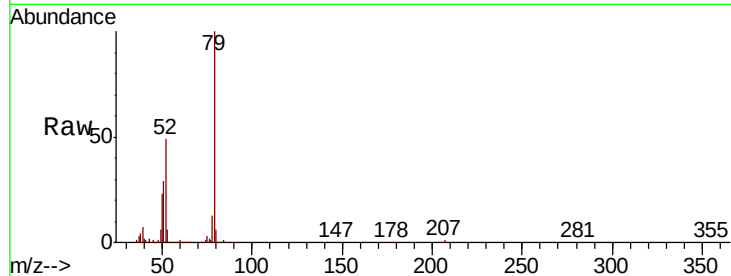
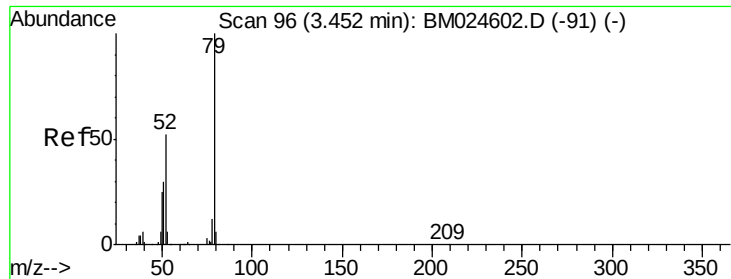


#2

1,4-Dioxane  
Concen: 35.360 ng  
RT: 3.07 min Scan# 31  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 54.0  | 50.0  | 75.0  |
| 43      | 99.7  | 21.6  | 32.4  |





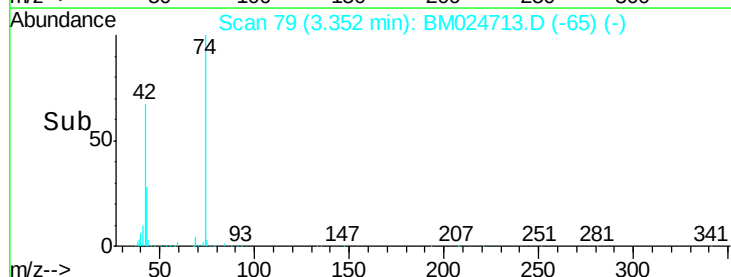
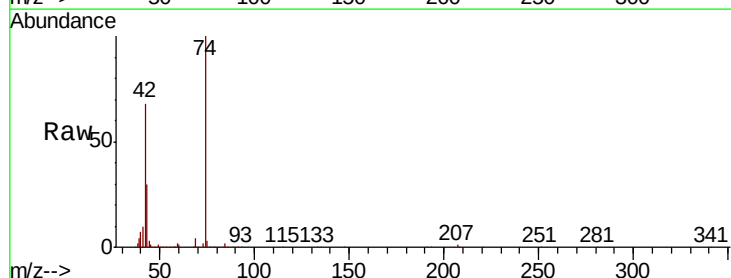
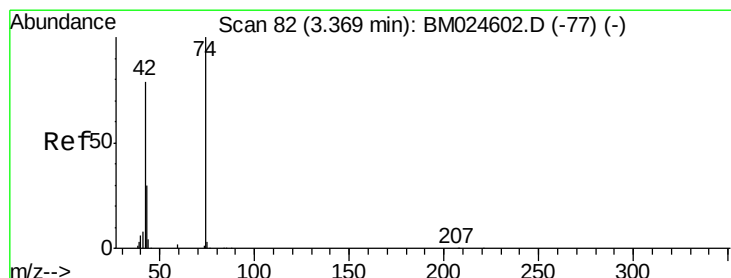
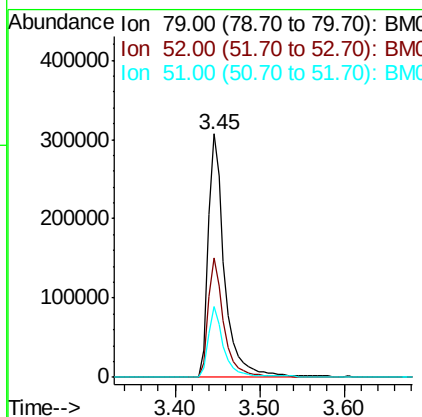
#3  
 Pvridine  
 Concen: 32.032 ng  
 RT: 3.45 min Scan# 95  
 Delta R.T. -0.01 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 79      | 79  | 100   | 415596 |       |       |
| 52      | 52  | 48.8  |        | 41.4  | 62.2  |
| 51      | 51  | 28.9  |        | 23.8  | 35.8  |

Instrument :  
 BNA\_M  
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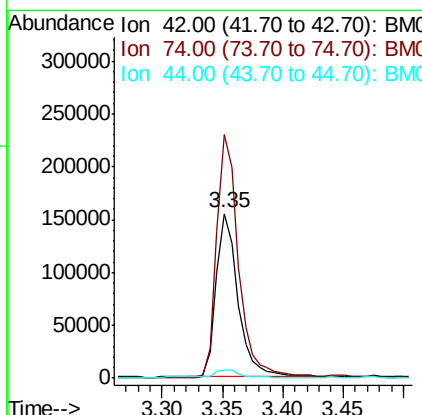
Manual Integrations  
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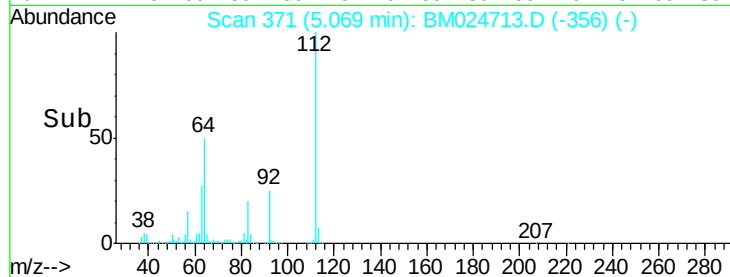
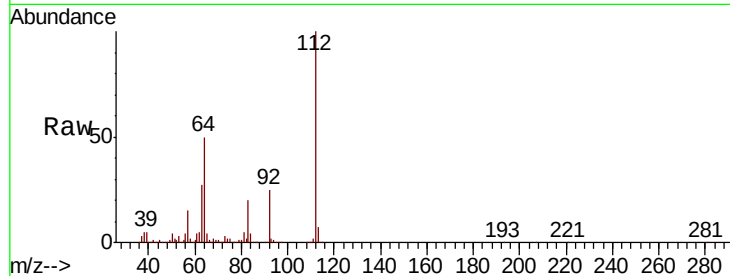
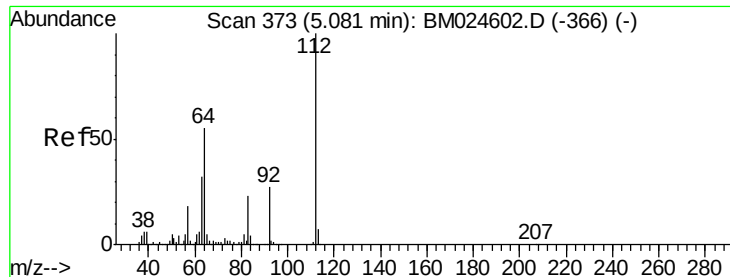
mohammad  
 2/10/2020 8:10:11 AM



#4  
 n-Nitrosodimethylamine  
 Concen: 33.680 ng  
 RT: 3.35 min Scan# 79  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 42      | 42  | 100   | 193960 |       |       |
| 74      | 74  | 147.8 |        | 101.4 | 152.2 |
| 44      | 44  | 4.9   |        | 4.6   | 6.8   |





#5

2-Fluorophenol

Concen: 136.799 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 1547748 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 50.2  | 44.2  | 66.4    |
| 63       | 27.5  | 25.9  | 38.9    |

Instrument :

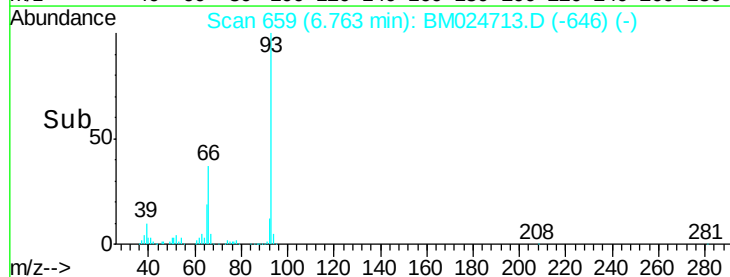
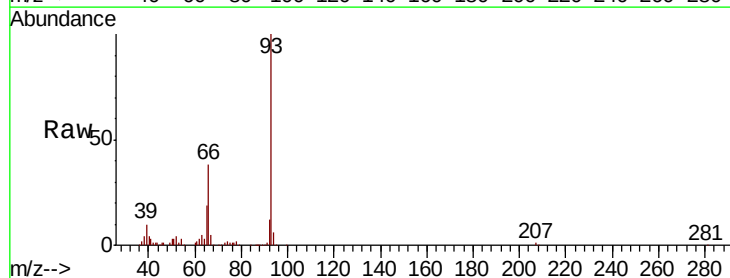
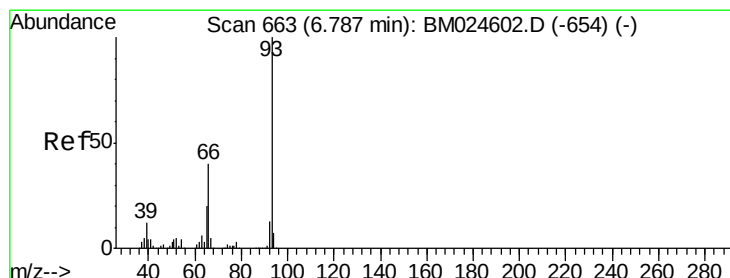
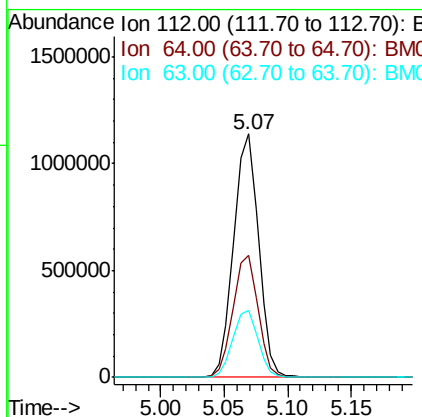
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ClientSampleId :

SU-02-013120MSD

Manual Integrations  
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2/10/2020 8:10:11 AM



#6

Aniline

Concen: 15.983 ng

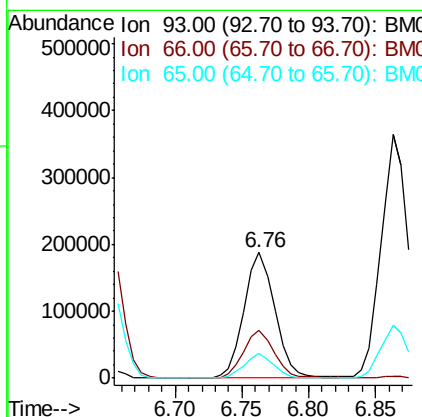
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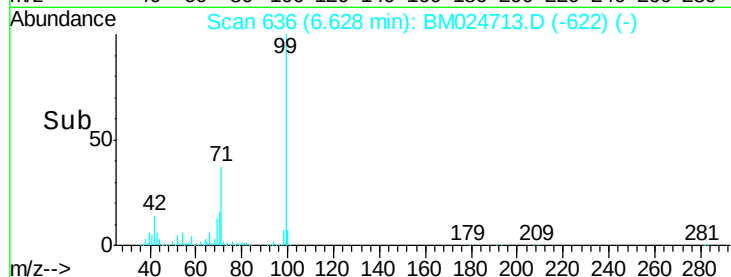
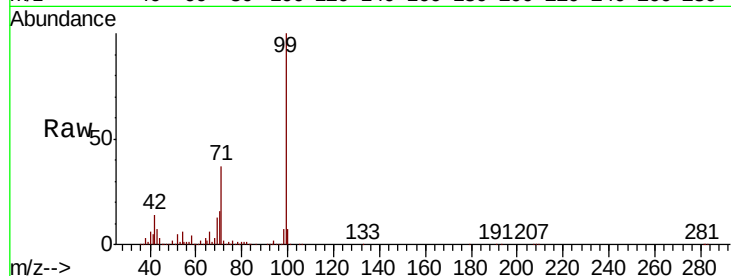
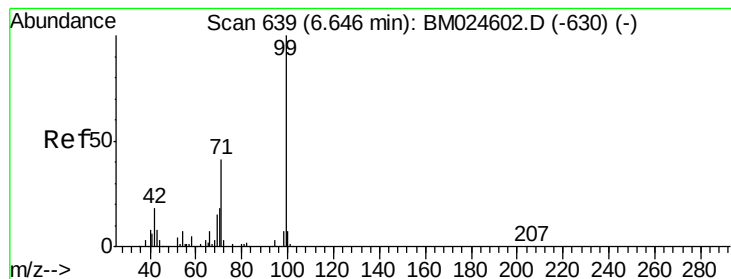
Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 303251 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 37.7  | 31.8  | 47.8   |
| 65       | 19.2  | 15.8  | 23.6   |





#7

Phenol-d6

Concen: 122.182 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 1904320 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 14.2  | 14.1  | 21.1    |
| 71       | 37.3  | 33.0  | 49.6    |

Instrument :

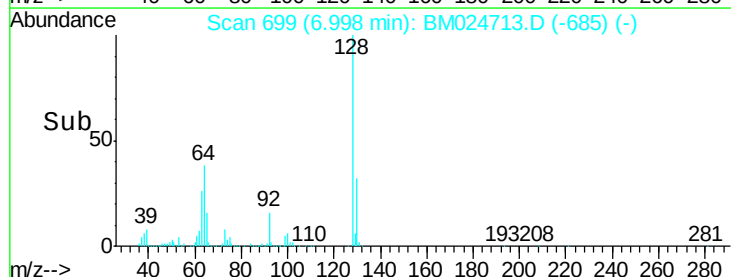
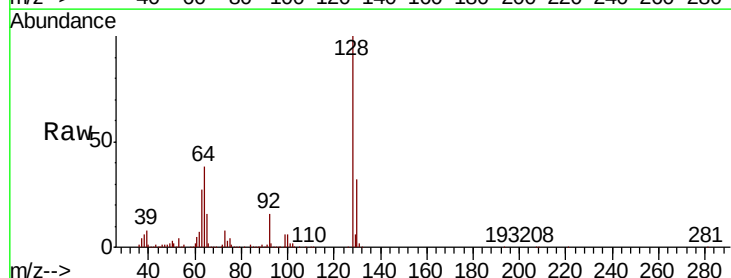
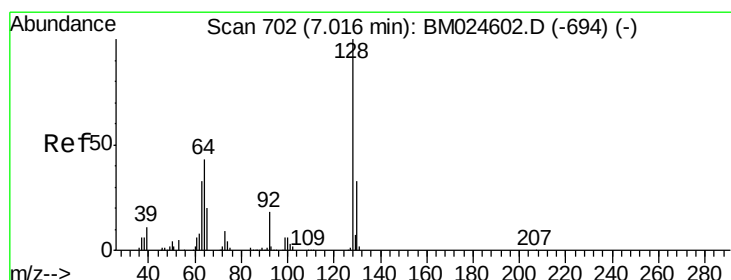
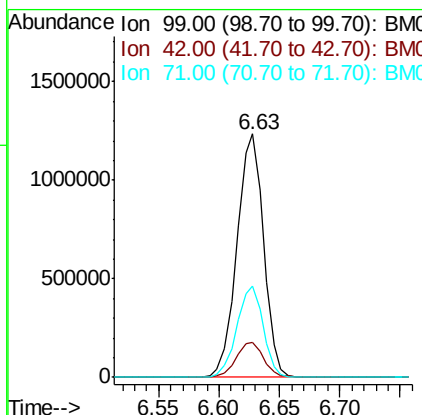
BNA\_M

ClientSampleId :

SU-02-013120MSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 47.647 ng

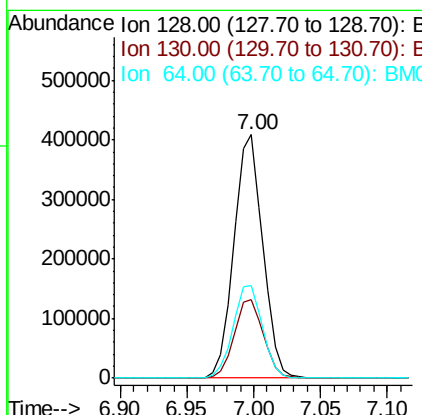
RT: 7.00 min Scan# 699

Delta R.T. -0.02 min

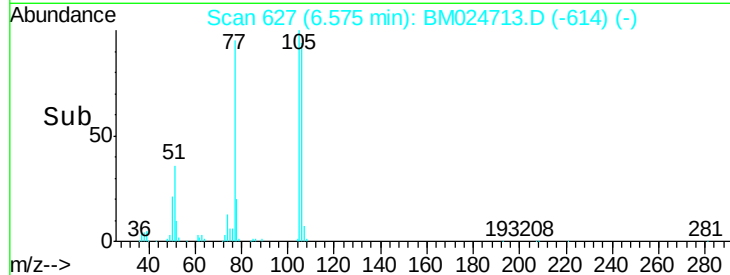
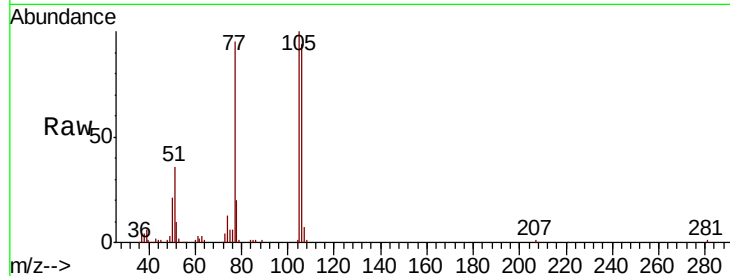
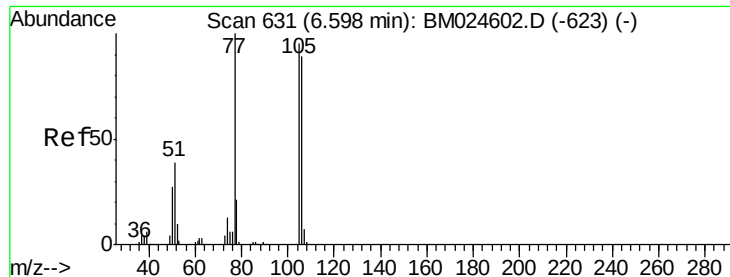
Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 613673 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 32.5  | 12.5  | 52.5   |
| 64       | 38.0  | 26.1  | 66.1   |







#9

Benzaldehyde

Concen: 17.508 ng

RT: 6.57 min Scan# 627

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 161239 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 104.9 | 75.2  | 115.2  |
| 106      | 98.7  | 68.6  | 108.6  |

Instrument :

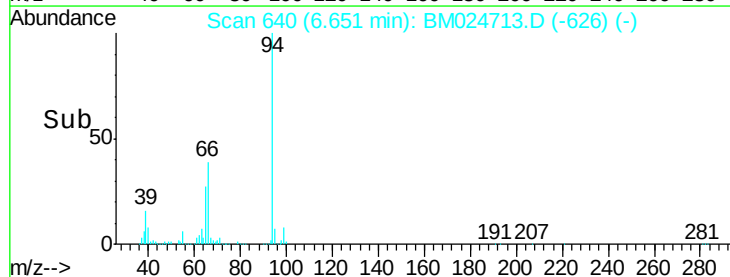
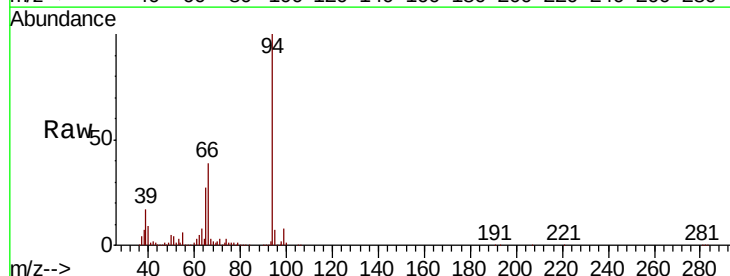
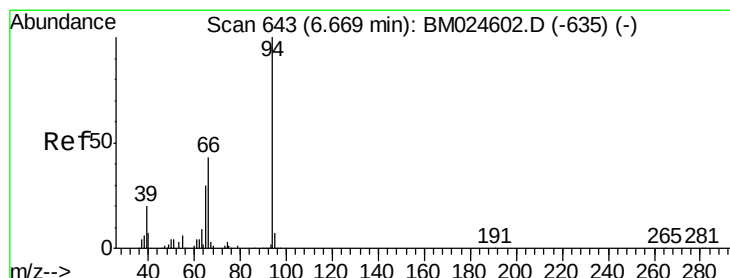
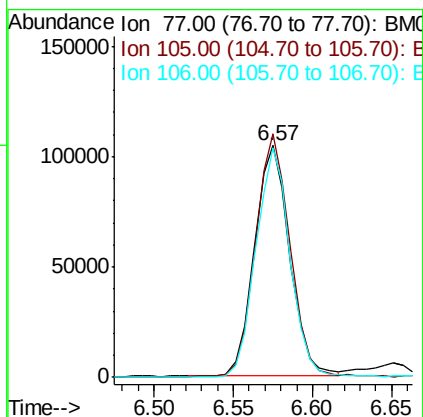
BNA\_M

ClientSampleId :

SU-02-013120MSD

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#10

Phenol

Concen: 45.109 ng

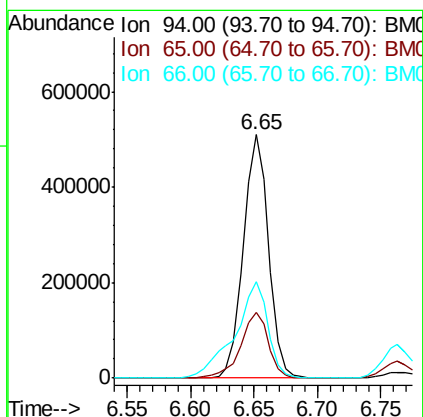
RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

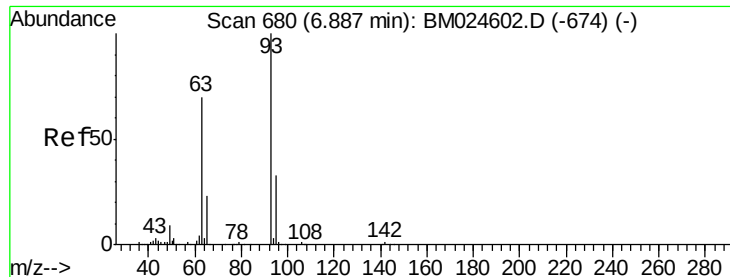
Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 700827 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 27.1  | 10.3  | 50.3   |
| 66       | 39.4  | 24.8  | 64.8   |







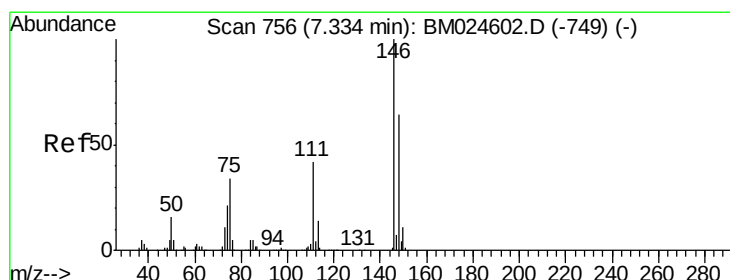
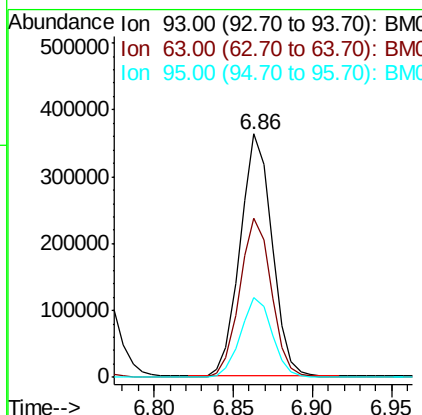
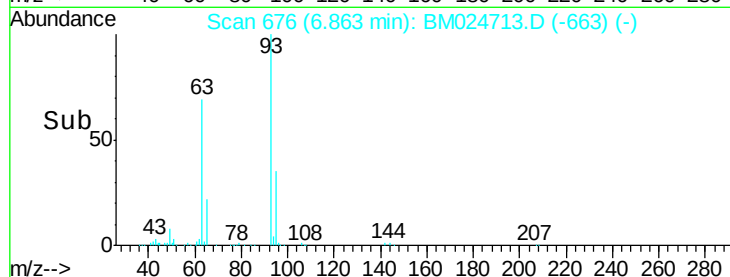
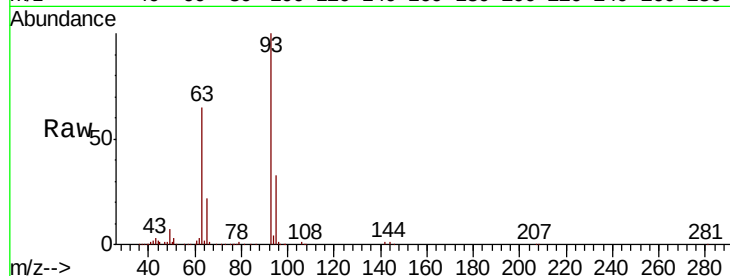
#11  
bis(2-Chloroethyl)ether  
Concen: 40.520 ng  
RT: 6.86 min Scan# 676  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 503964 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 65.2  | 49.6  | 89.6   |
| 95       | 32.8  | 12.6  | 52.6   |

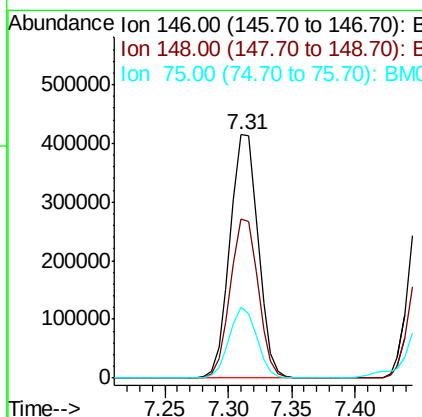
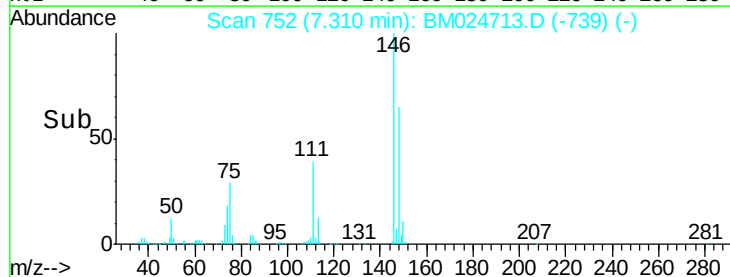
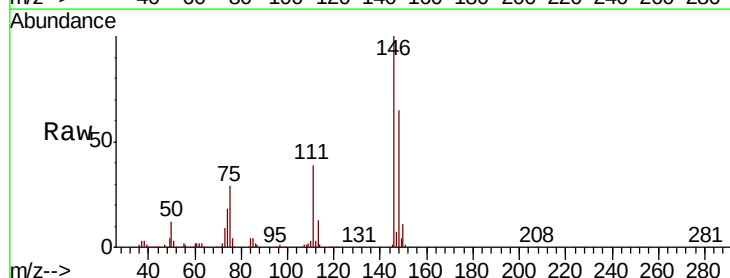
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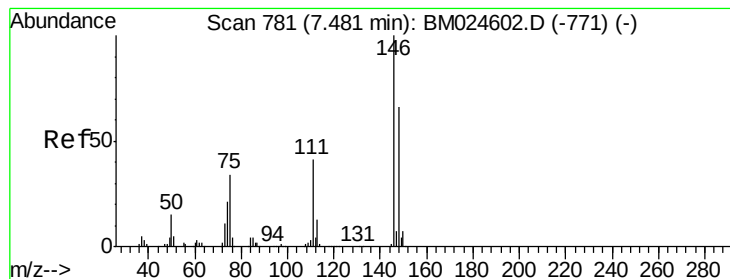
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#12  
1,3-Dichlorobenzene  
Concen: 40.271 ng  
RT: 7.31 min Scan# 752  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 637196 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 65.5  | 51.0  | 76.6   |
| 75       | 29.0  | 27.0  | 40.4   |





#13

1,4-Dichlorobenzene

Concen: 40.772 ng

RT: 7.46 min Scan# 777

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

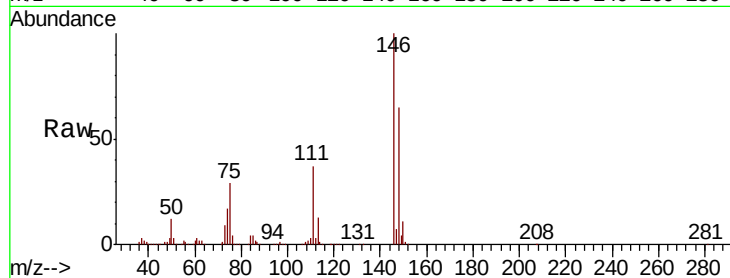
ClientSampleId :

SU-02-013120MSD

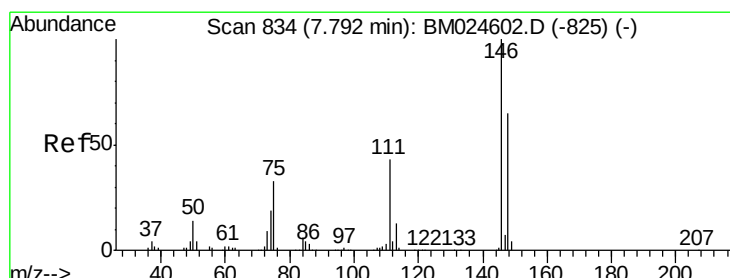
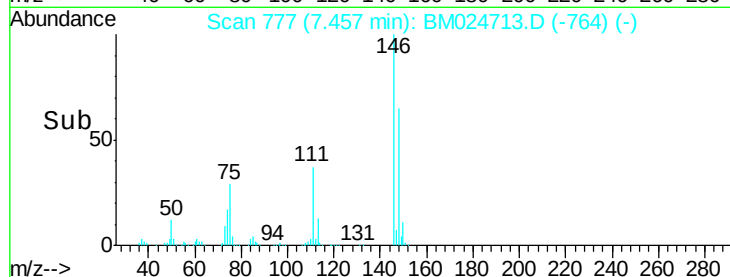
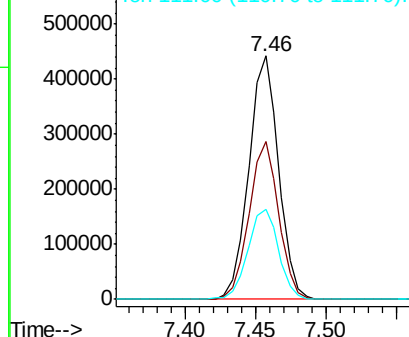
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 654477 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.1  | 52.5  | 78.7   |
| 111       | 36.8  | 33.0  | 49.4   |

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Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.640 ng

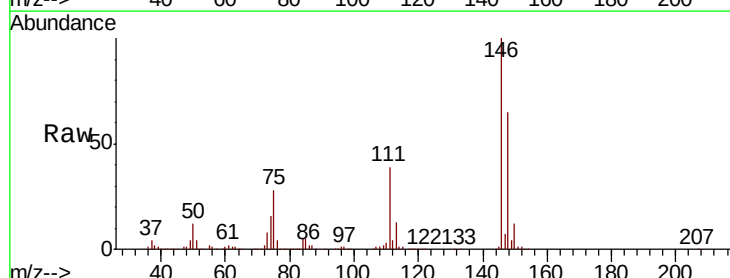
RT: 7.77 min Scan# 830

Delta R.T. -0.02 min

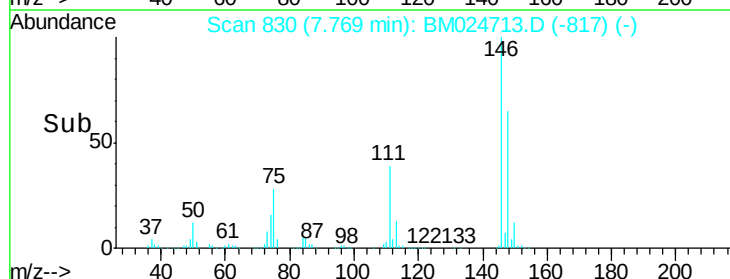
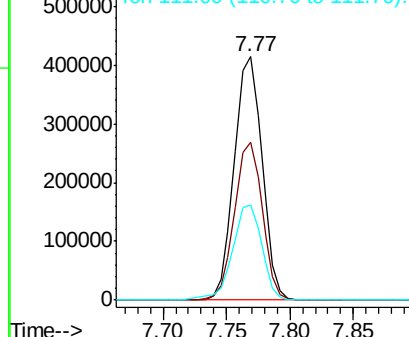
Lab File: BM024713.D

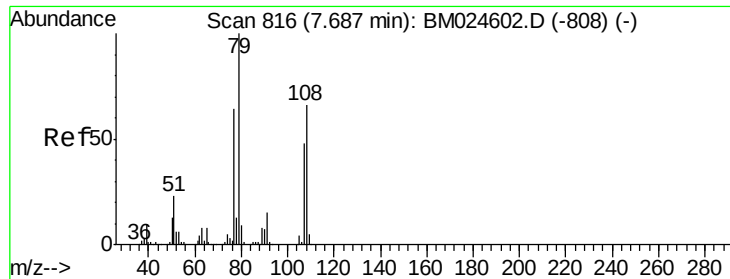
Acq: 04 Feb 2020 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 629690 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 51.9  | 77.9   |
| 111       | 39.2  | 34.5  | 51.7   |



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.740 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion: 79 Resp: 510676

Ion Ratio Lower Upper

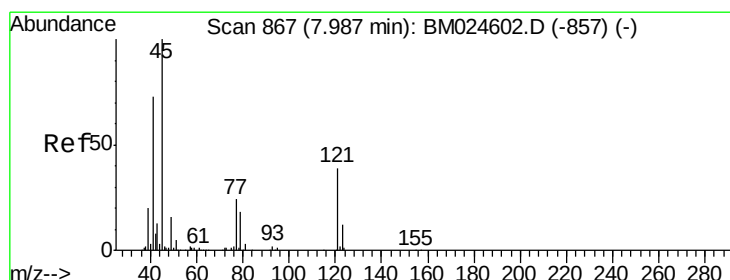
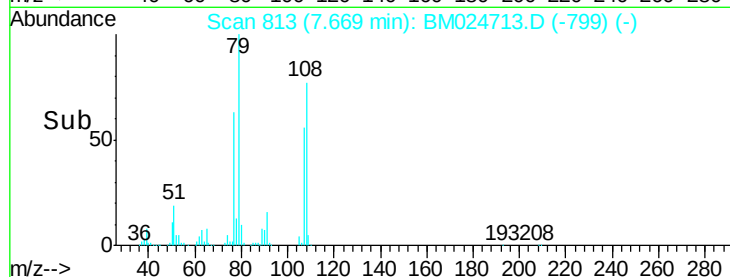
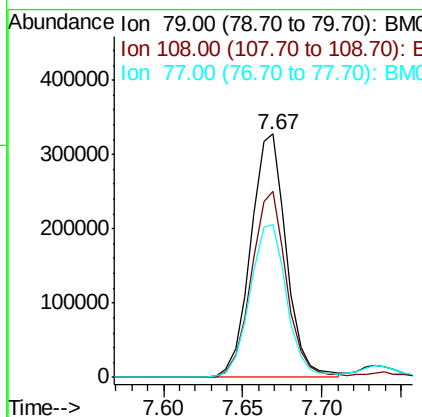
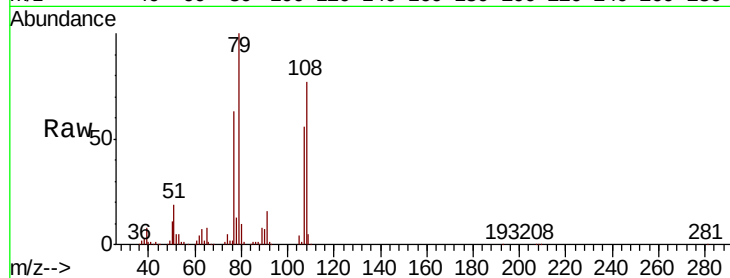
79 100

108 76.5 53.0 79.4

77 62.9 50.8 76.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 34.686 ng

RT: 7.96 min Scan# 862

Delta R.T. -0.03 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

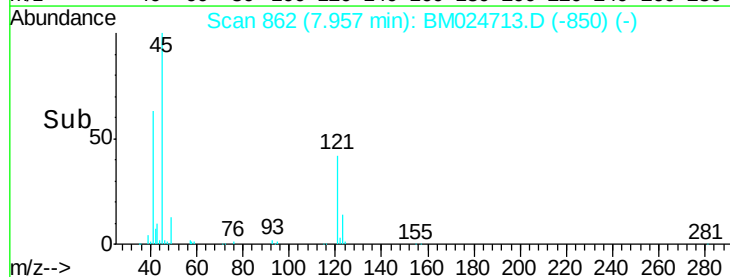
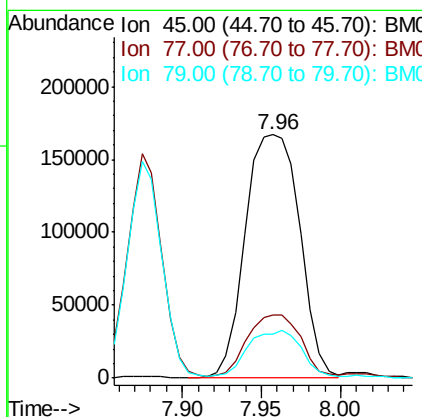
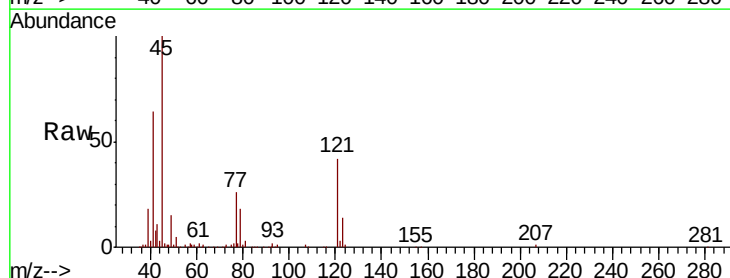
Tgt Ion: 45 Resp: 394942

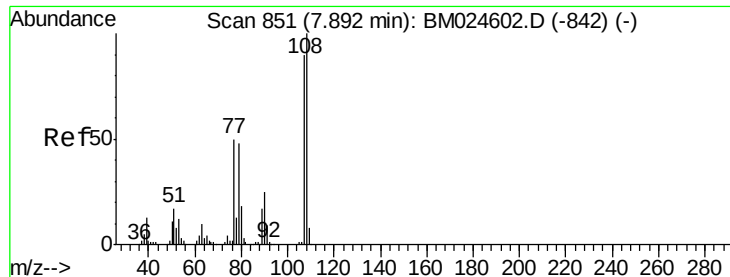
Ion Ratio Lower Upper

45 100

77 25.9 5.2 45.2

79 18.1 0.0 39.4





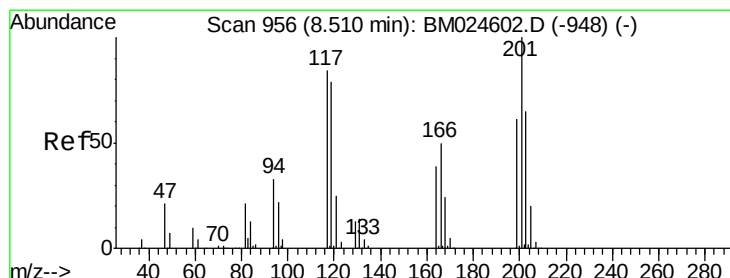
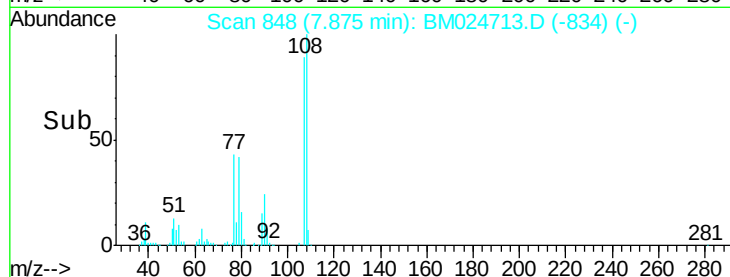
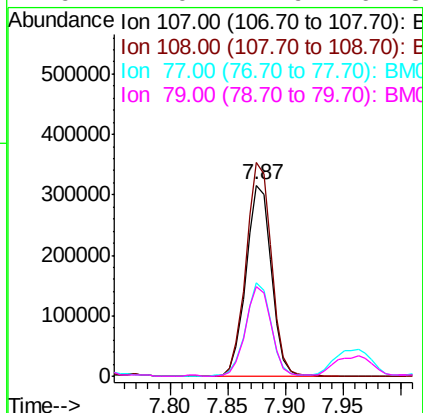
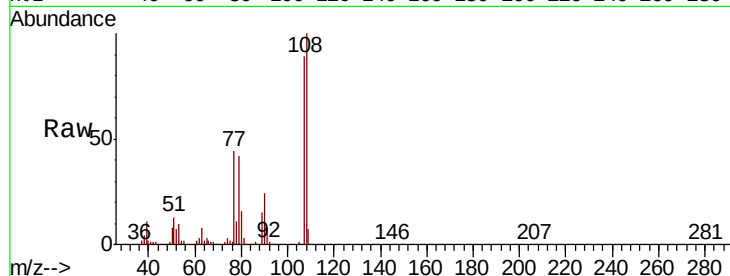
#17  
2-Methylphenol  
Concen: 44.334 ng  
RT: 7.87 min Scan# 848  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 485384 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.0 | 88.9  | 133.3  |
| 77        | 48.9  | 44.5  | 66.7   |
| 79        | 47.0  | 42.9  | 64.3   |

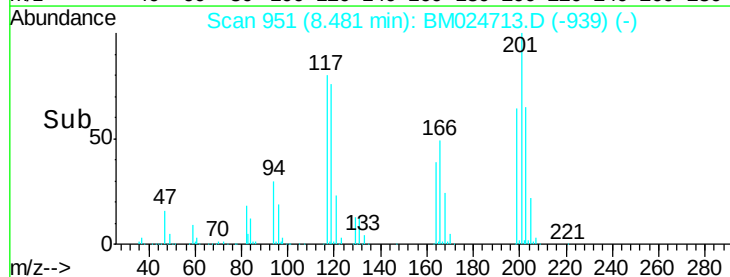
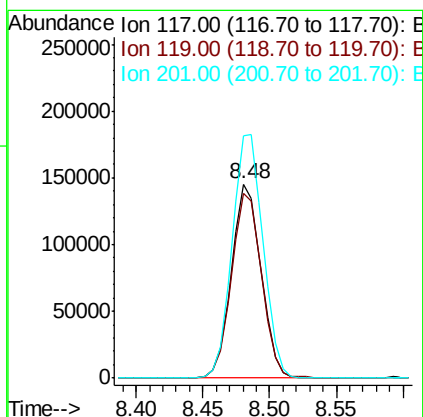
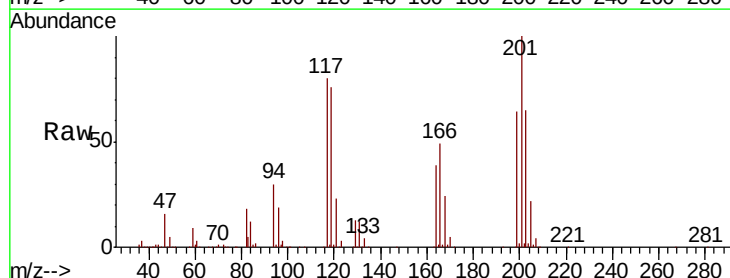
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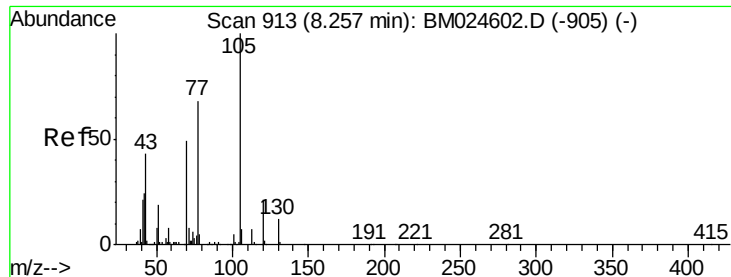
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#18  
Hexachloroethane  
Concen: 36.276 ng  
RT: 8.48 min Scan# 951  
Delta R.T. -0.03 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 224859 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.0  | 75.4  | 113.2  |
| 201       | 124.8 | 95.8  | 143.6  |





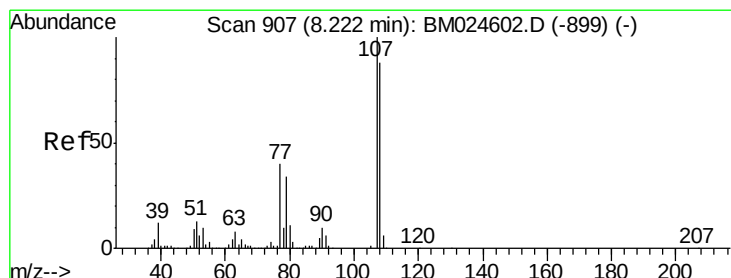
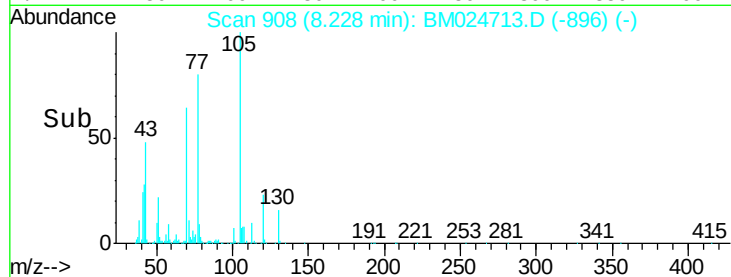
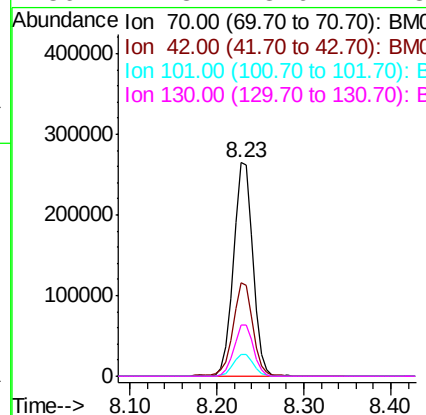
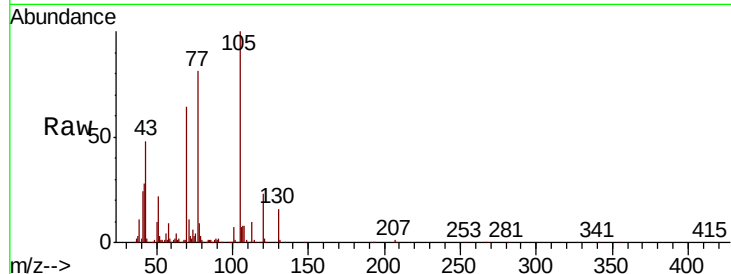
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.188 ng/mL  
RT: 8.23 min Scan# 908  
Delta R.T. -0.03 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 43.7  | 40.0  | 60.0  |
| 101     | 10.2  | 8.2   | 12.2  |
| 130     | 24.3  | 18.6  | 27.8  |

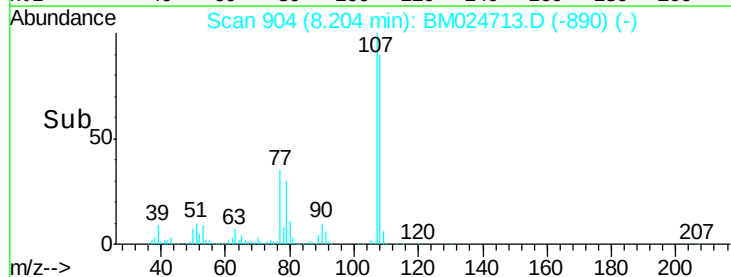
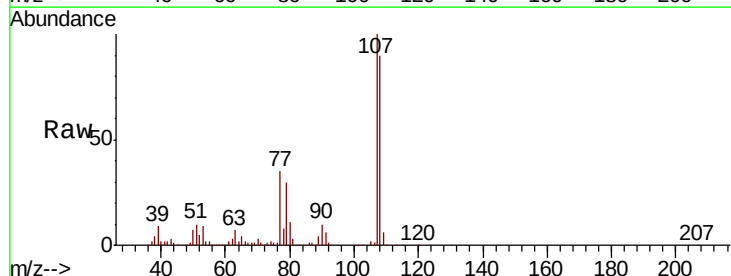
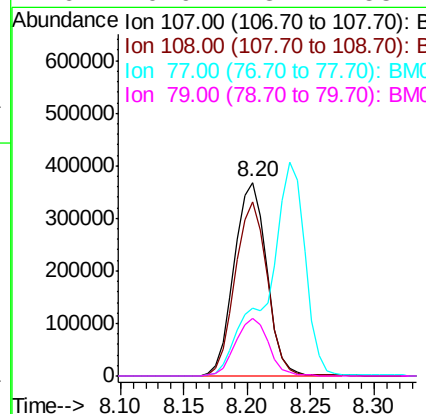
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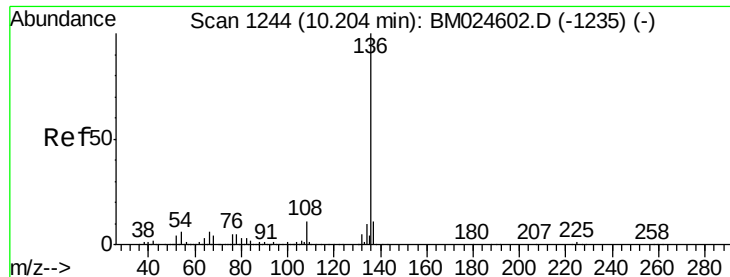
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#20  
3+4-Methylphenols  
Concen: 43.373 ng/mL  
RT: 8.20 min Scan# 904  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 90.2  | 68.0  | 108.0 |
| 77      | 34.9  | 19.9  | 59.9  |
| 79      | 29.9  | 13.7  | 53.7  |





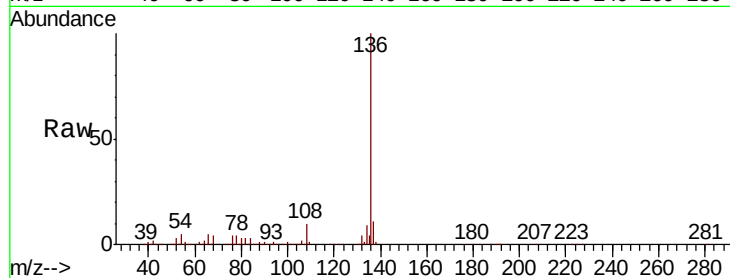
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.18 min Scan# 1240  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

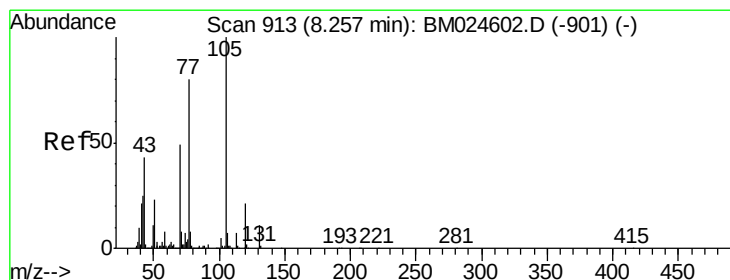
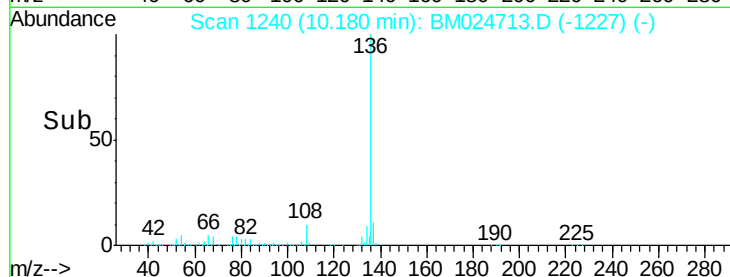
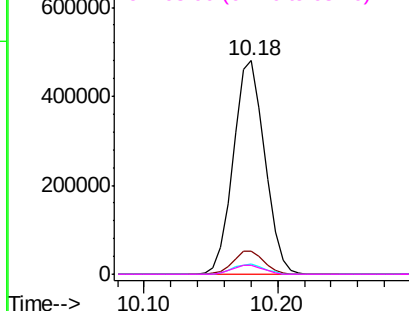
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 785998 |       |       |
| 137     | 11.0 | 8.6   | 13.0   |       |       |
| 54      | 4.7  | 4.5   | 6.7    |       |       |
| 68      | 4.4  | 3.4   | 5.0    |       |       |

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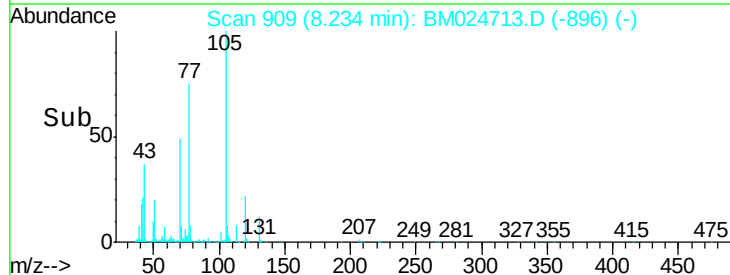
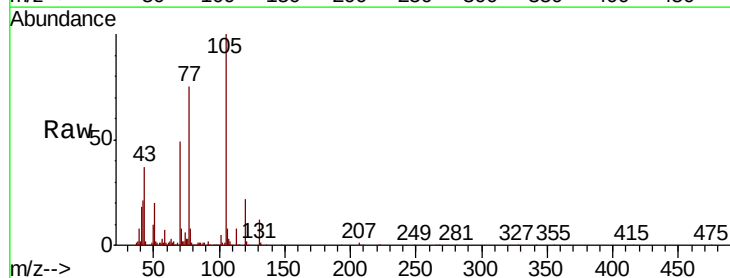
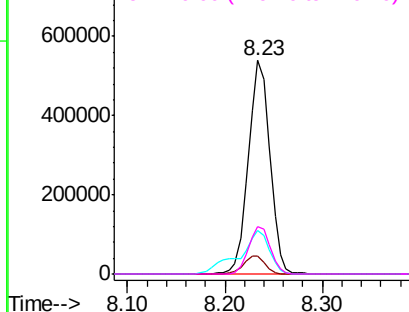
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

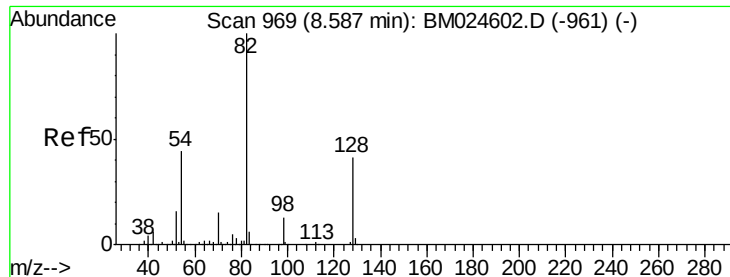


#22  
Acetophenone  
Concen: 41.022 ng  
RT: 8.23 min Scan# 909  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 831406 |       |       |
| 71      | 8.1  | 6.7   | 10.1   |       |       |
| 51      | 20.2 | 18.5  | 27.7   |       |       |
| 120     | 22.2 | 16.6  | 25.0   |       |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BM0  
Ion 51.00 (50.70 to 51.70): BM0  
Ion 120.00 (119.70 to 120.70): E





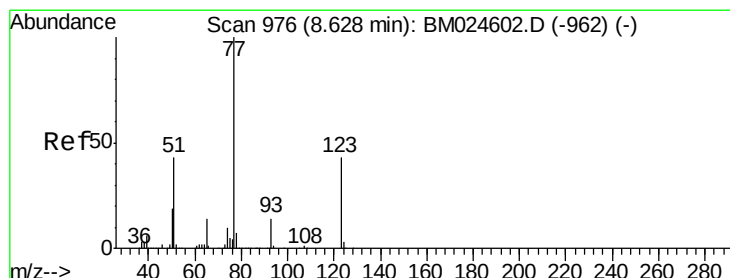
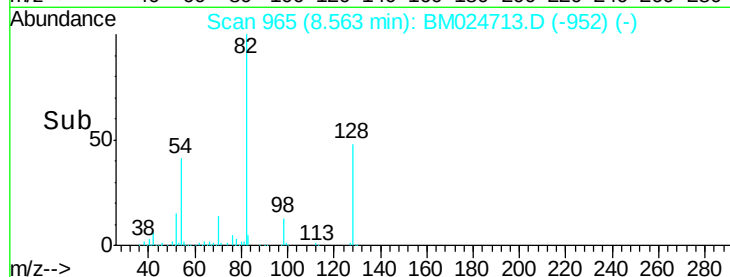
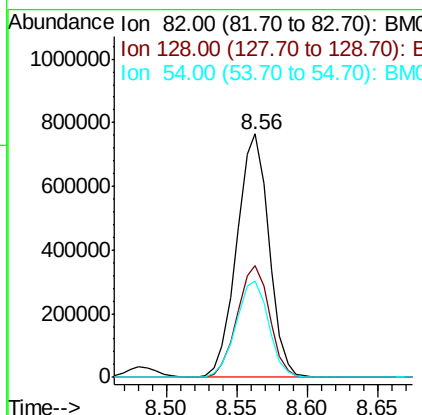
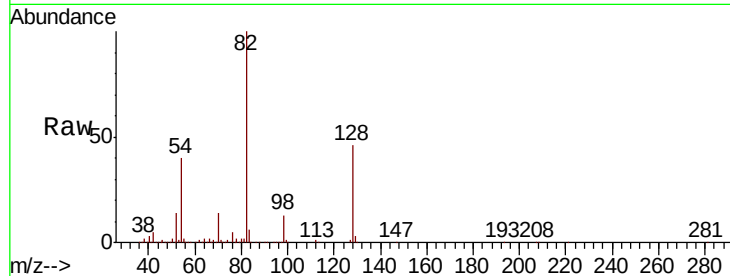
#23  
 Nitrobenzene-d5  
 Concen: 76.062 ng  
 RT: 8.56 min Scan# 965  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.9  | 32.6  | 48.8  |
| 54      | 39.7  | 34.8  | 52.2  |

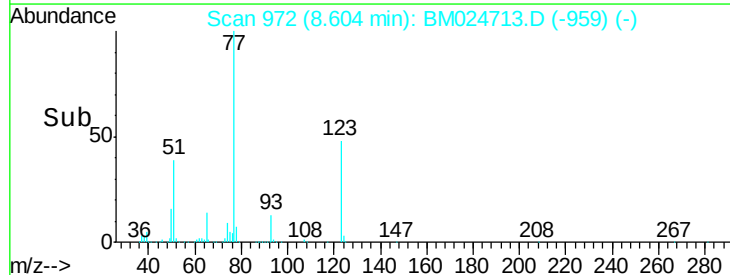
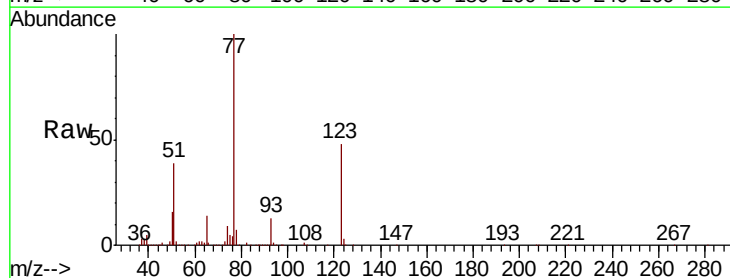
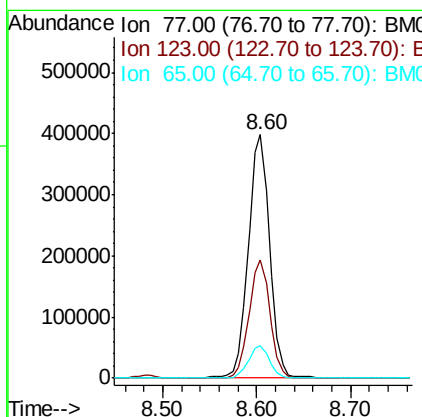
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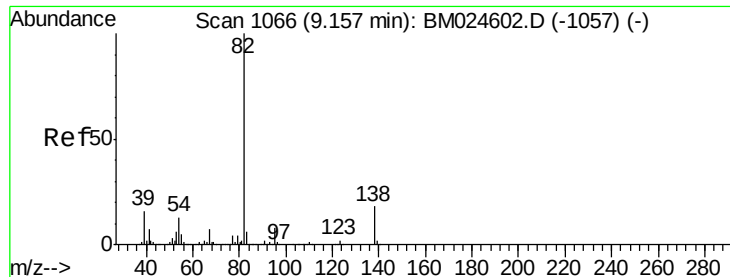


#24  
 Nitrobenzene  
 Concen: 40.549 ng  
 RT: 8.60 min Scan# 972  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.4  | 34.6  | 52.0  |
| 65      | 13.6  | 11.0  | 16.4  |







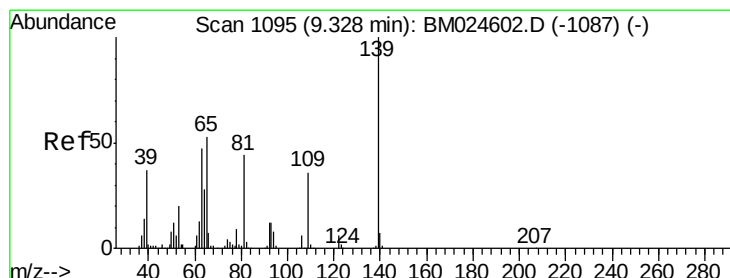
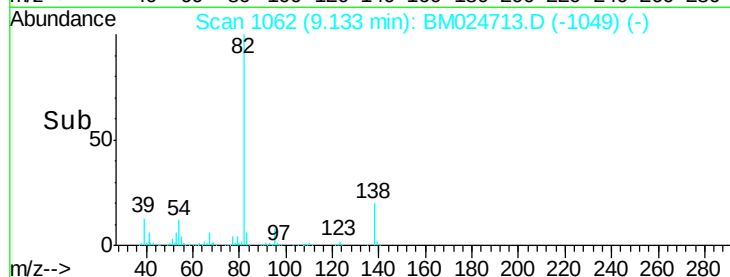
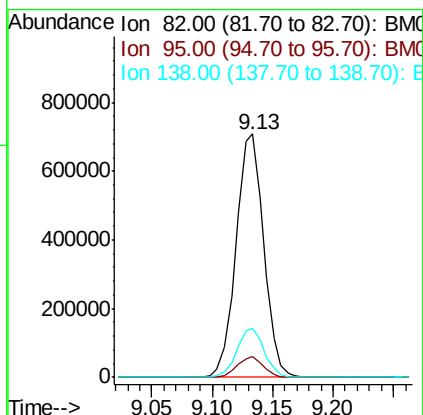
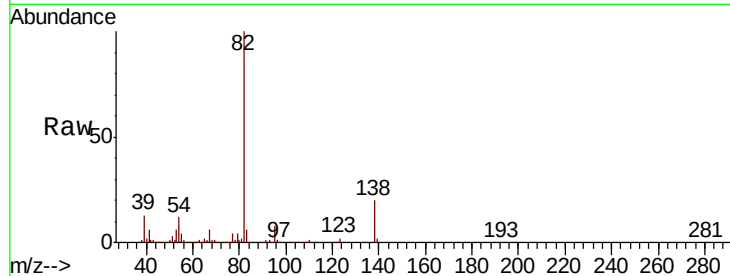
#25  
Isophorone  
Concen: 41.550 ng  
RT: 9.13 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion   | 82    | Resp  | 1131523 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 95        | 8.4   | 6.7   | 10.1    |
| 138       | 20.2  | 14.7  | 22.1    |

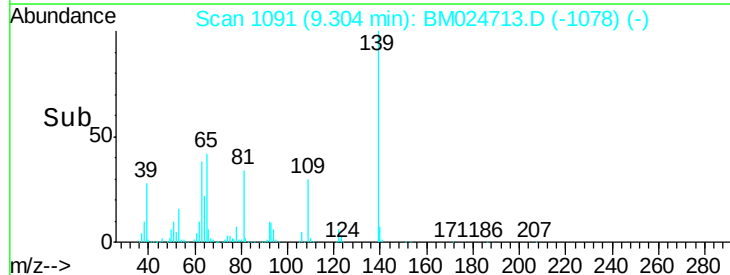
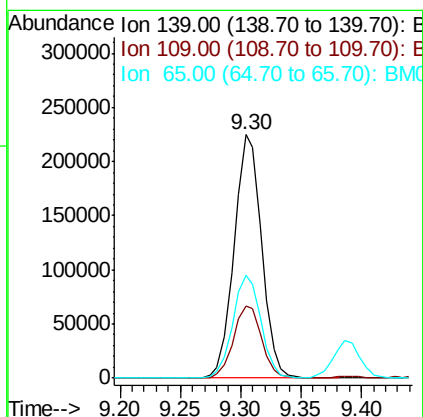
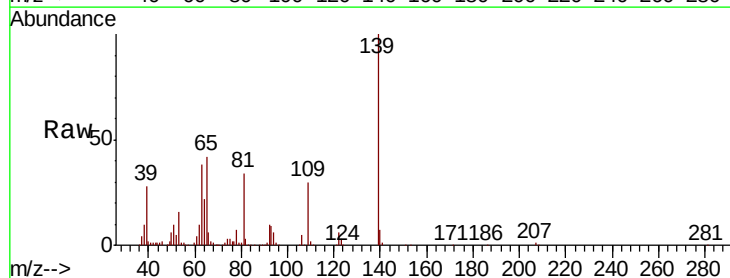
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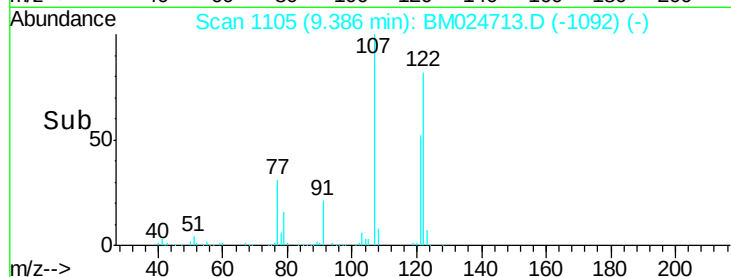
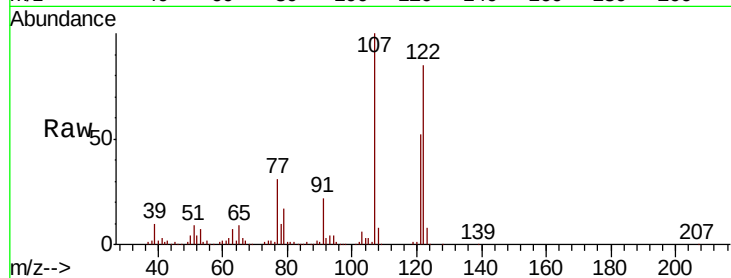
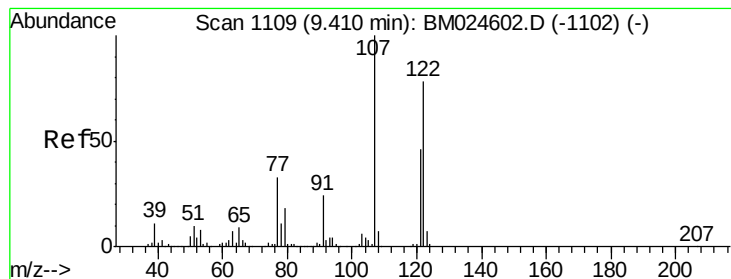
mohammad  
2/10/2020 8:10:11 AM



#26  
2-Nitrophenol  
Concen: 50.221 ng  
RT: 9.30 min Scan# 1091  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion   | 139   | Resp  | 357167 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 29.7  | 28.8  | 43.2   |
| 65        | 42.4  | 42.6  | 63.8#  |





#27

2,4-Dimethylphenol

Concen: 54.926 ng

RT: 9.39 min Scan# 1105

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 530819 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 117.8 | 102.5 | 153.7  |
| 121       | 60.9  | 47.0  | 70.4   |

Instrument :

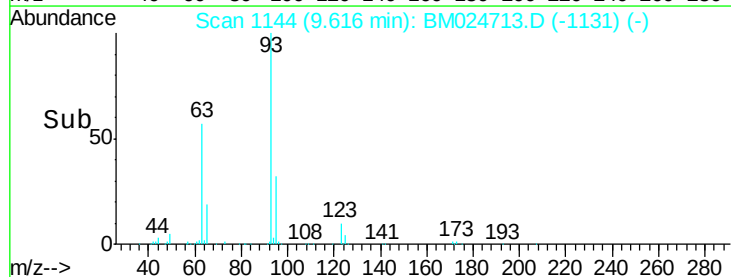
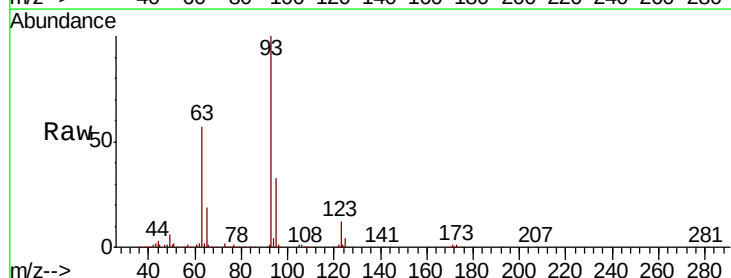
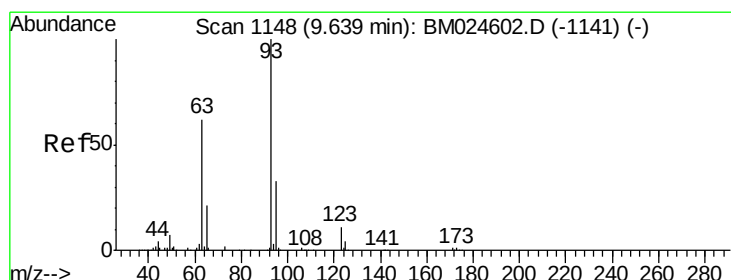
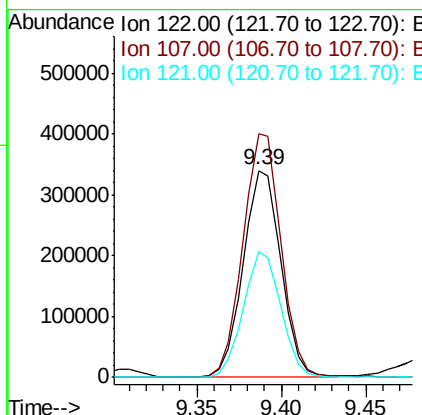
BNA\_M

ClientSampleId :

SU-02-013120MSD

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 41.395 ng

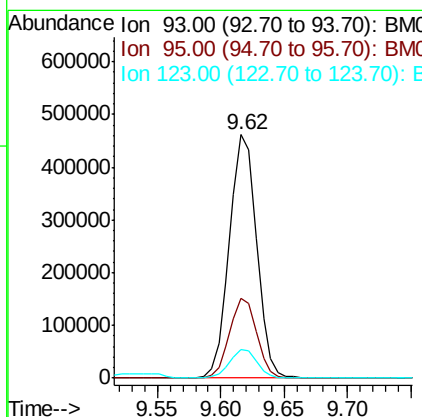
RT: 9.62 min Scan# 1144

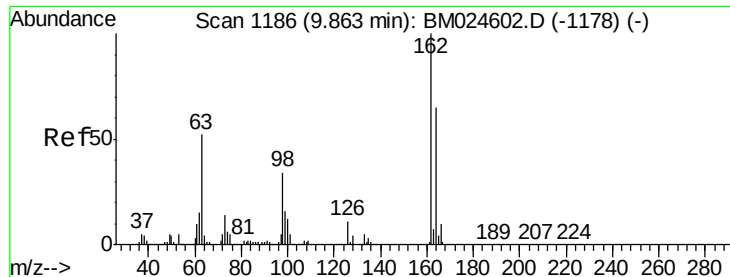
Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 688634 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.5  | 26.1  | 39.1   |
| 123       | 11.9  | 8.7   | 13.1   |





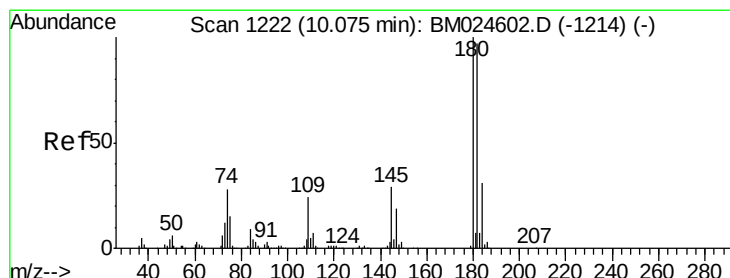
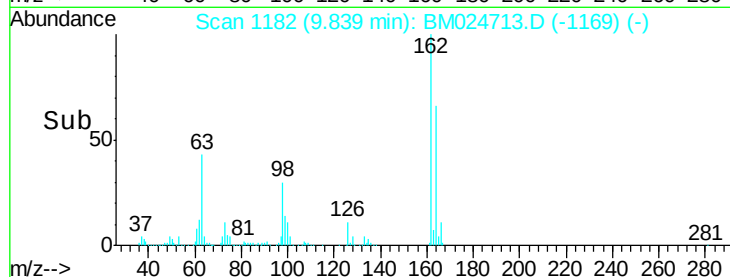
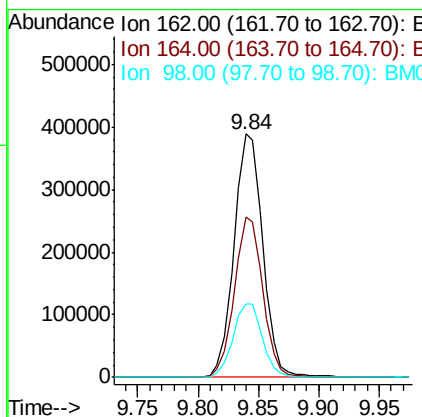
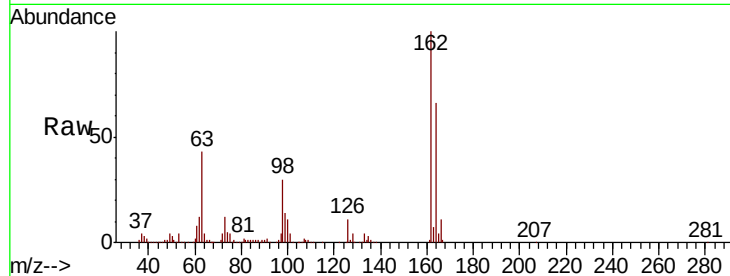
#29  
2,4-Dichlorophenol  
Concen: 49.588 ng  
RT: 9.84 min Scan# 1182  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 647457 |       |       |
| 164     | 66.0  |        | 44.5  | 84.5  |
| 98      | 30.4  |        | 14.2  | 54.2  |

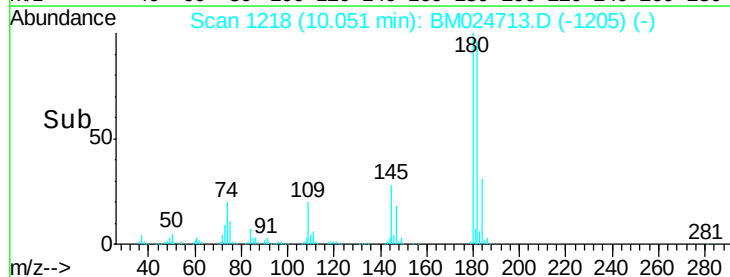
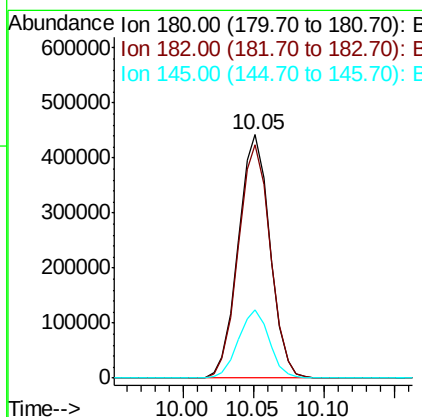
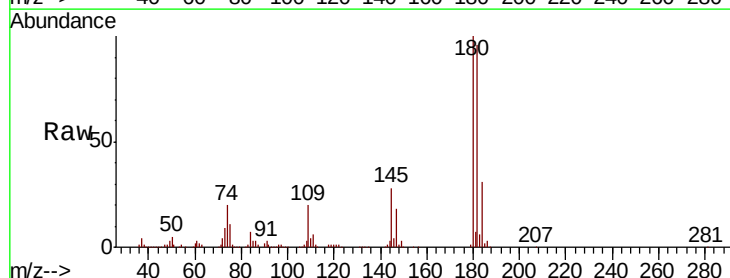
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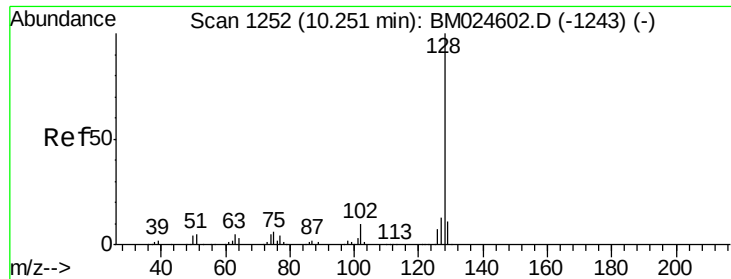
mohammad  
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#30  
1,2,4-Trichlorobenzene  
Concen: 44.135 ng  
RT: 10.05 min Scan# 1218  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 695002 |       |       |
| 182     | 96.1  |        | 77.8  | 116.6 |
| 145     | 27.8  |        | 22.9  | 34.3  |





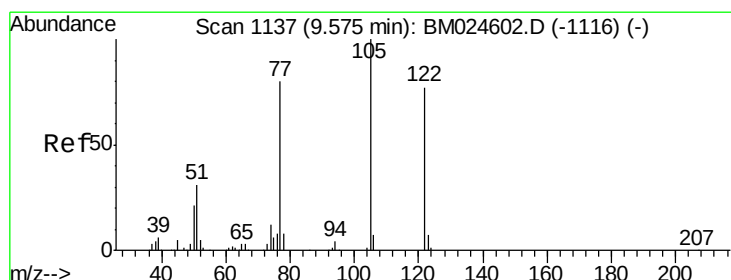
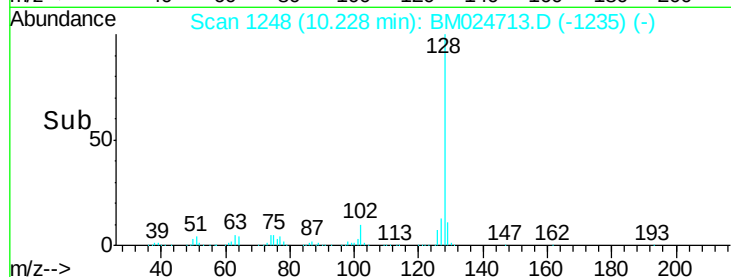
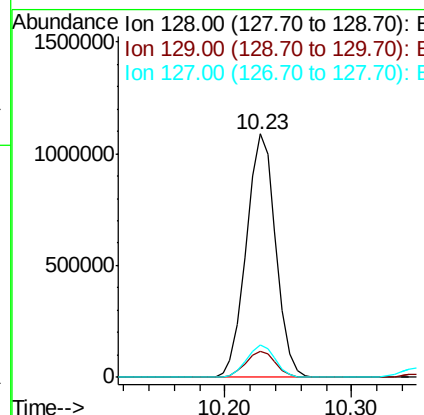
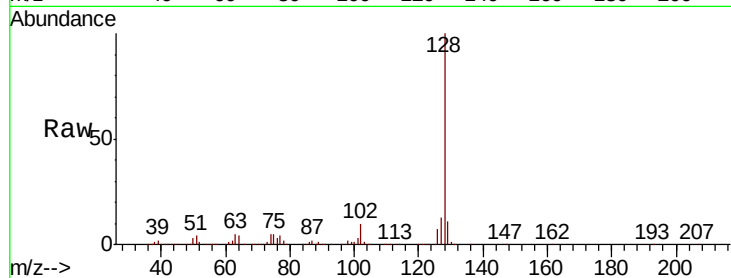
#31  
Naphthalene  
Concen: 44.144 ng  
RT: 10.23 min Scan# 1248  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 8.8   | 13.2  |
| 127     | 13.2  | 10.6  | 15.8  |

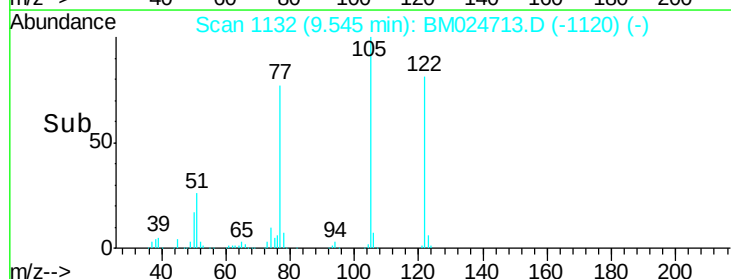
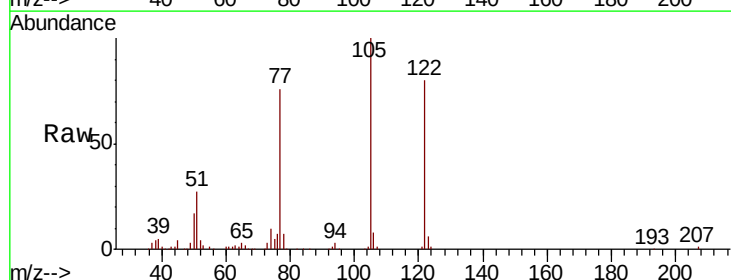
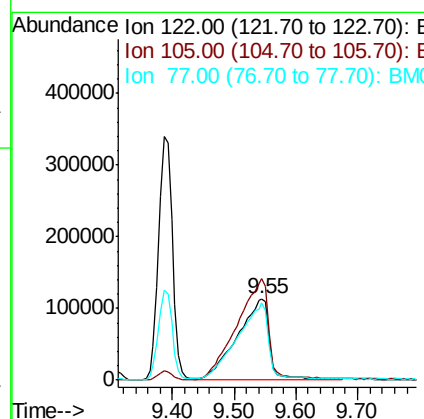
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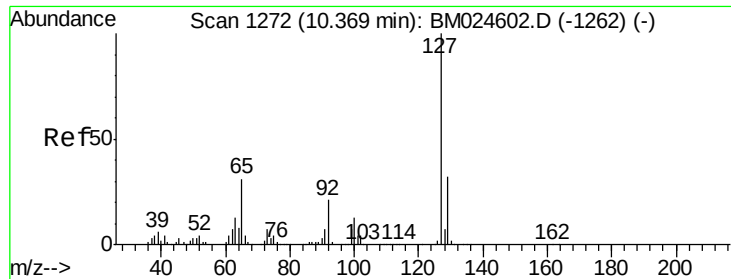
mohammad  
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#32  
Benzoic acid  
Concen: 46.762 ng m  
RT: 9.55 min Scan# 1132  
Delta R.T. -0.03 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 124.6 | 107.7 | 147.7 |
| 77      | 95.0  | 83.8  | 123.8 |





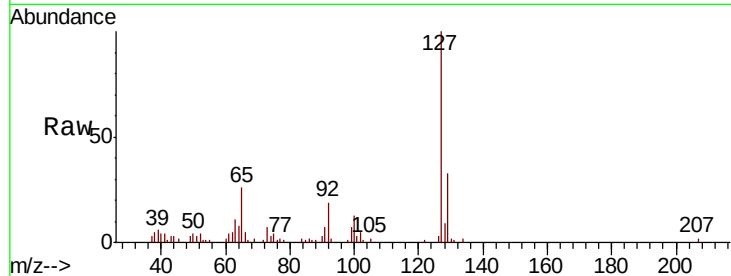
#33  
4-Chloroaniline  
Concen: 5.138 ng  
RT: 10.35 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.1  | 25.9  | 38.9  |
| 65      | 26.3  | 25.1  | 37.7  |
| 92      | 18.7  | 16.6  | 25.0  |

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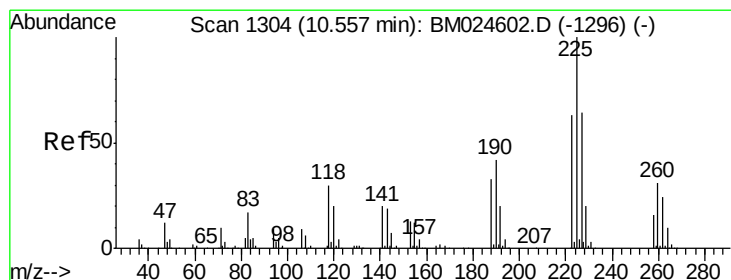
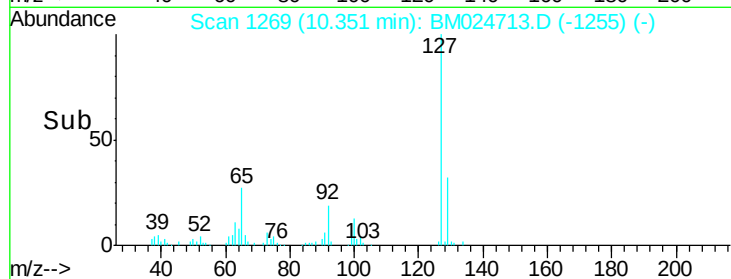
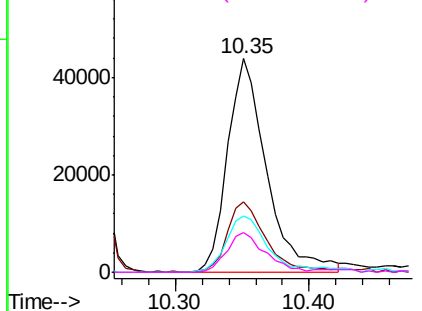
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

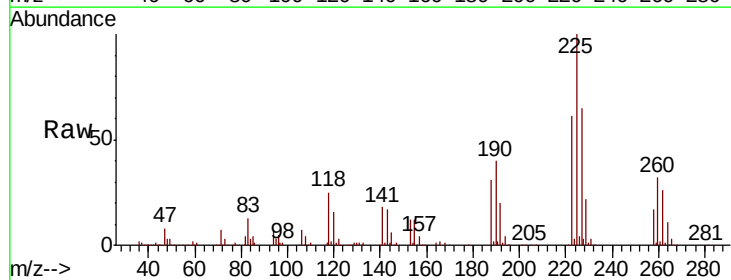
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34  
Hexachlorobutadiene  
Concen: 41.396 ng  
RT: 10.53 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 50.7  | 76.1  |
| 227     | 64.7  | 51.4  | 77.0  |

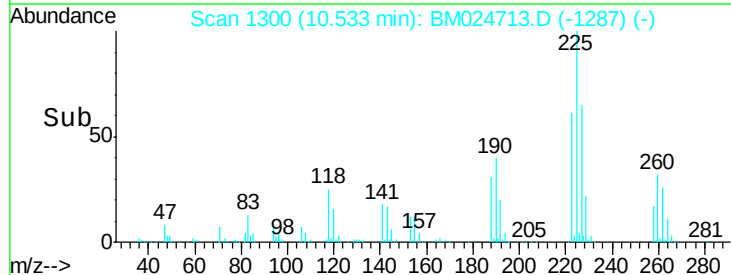
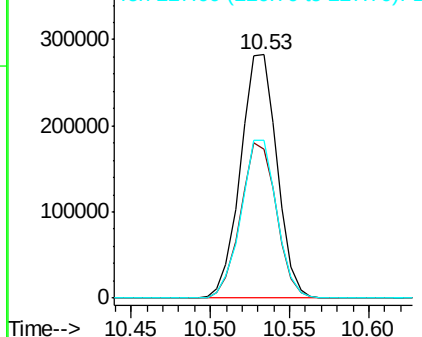


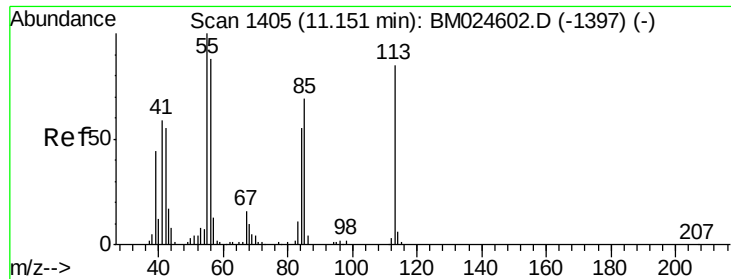
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 42.471 ng/mL

RT: 11.13 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

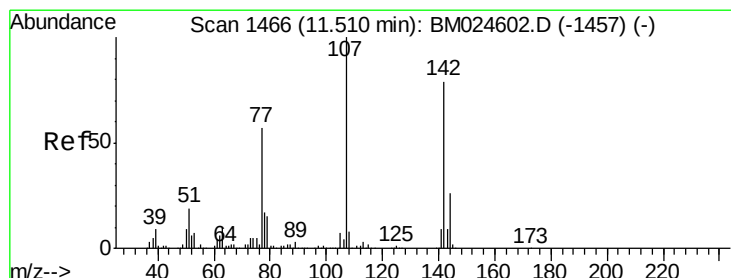
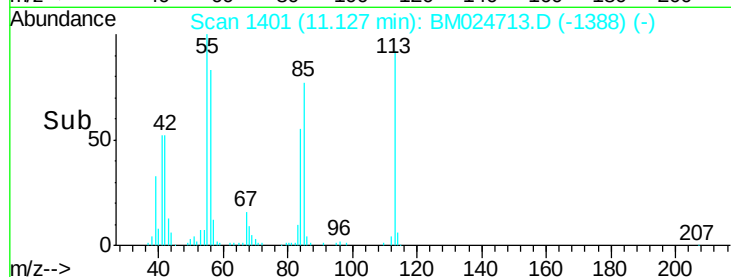
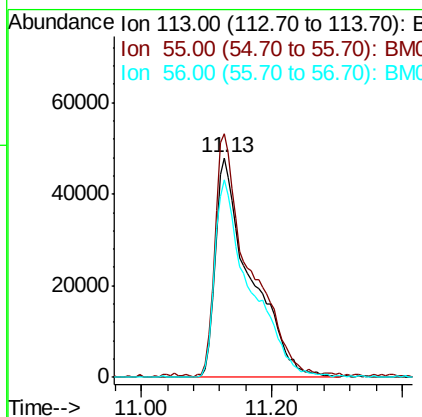
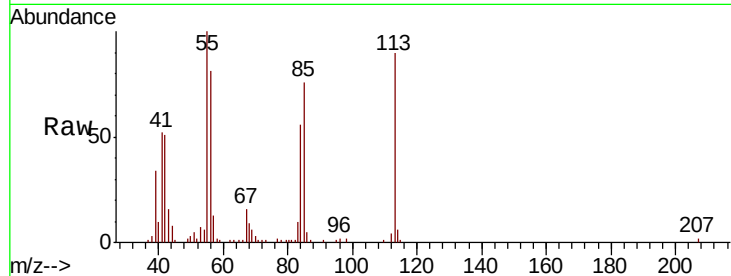
ClientSampleId :

SU-02-013120MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 177912 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 110.8 | 97.5  | 137.5  |
| 56        | 89.9  | 83.4  | 123.4  |

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#36

4-Chloro-3-methylphenol

Concen: 42.980 ng/mL

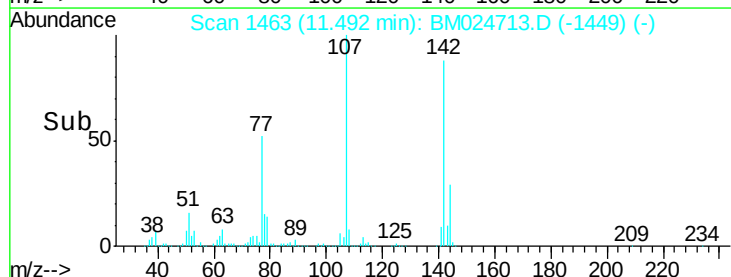
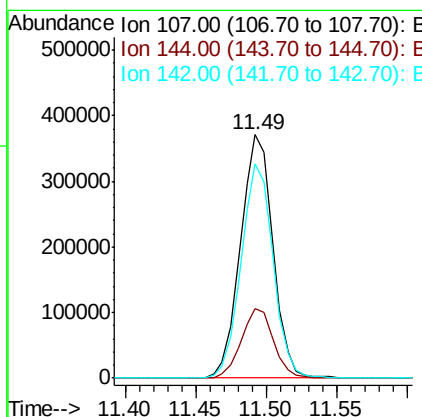
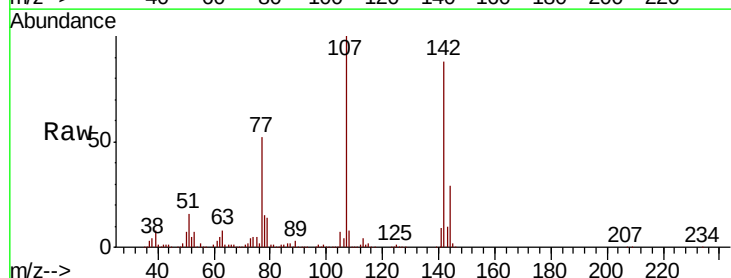
RT: 11.49 min Scan# 1463

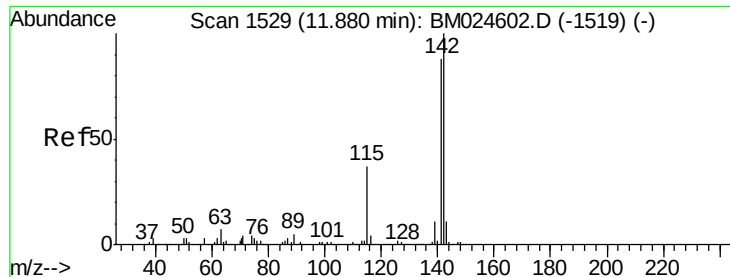
Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 596724 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 28.6  | 20.5  | 30.7   |
| 142       | 88.2  | 62.8  | 94.2   |





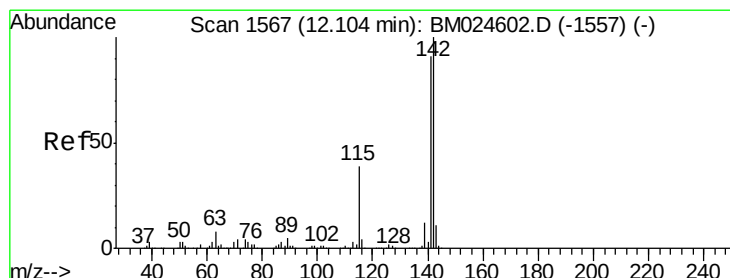
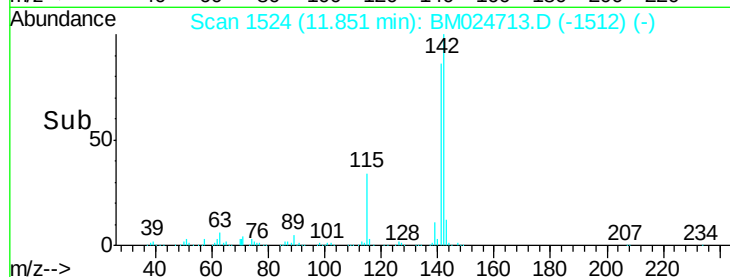
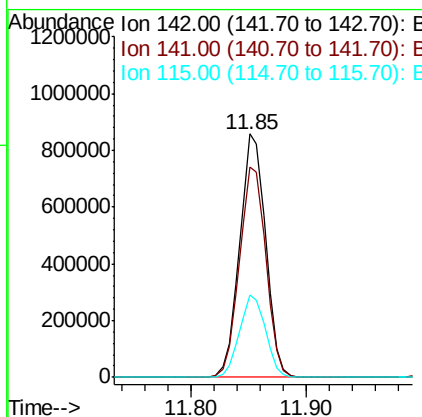
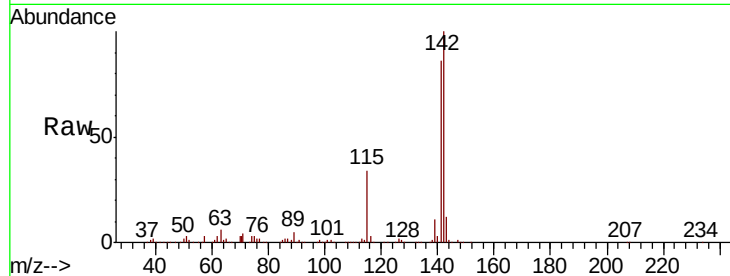
#37  
2-Methylnaphthalene  
Concen: 43.819 ng  
RT: 11.85 min Scan# 1524  
Delta R.T. -0.03 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.3  | 70.2  | 105.2 |
| 115     | 33.8  | 29.7  | 44.5  |

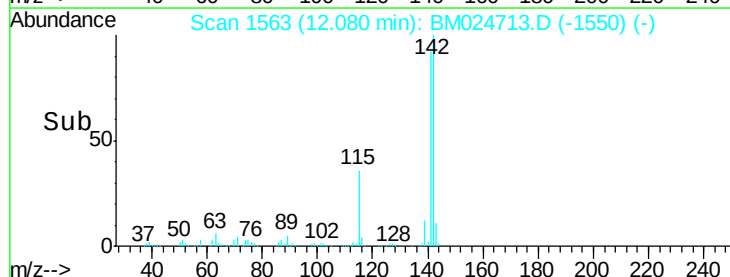
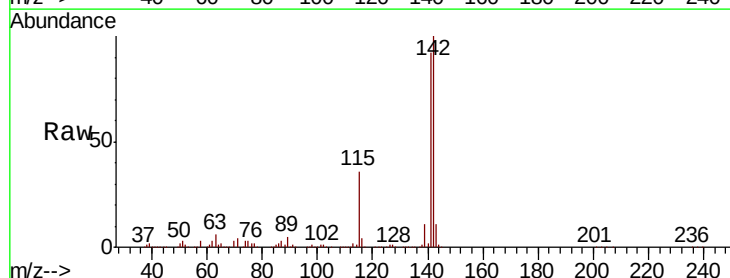
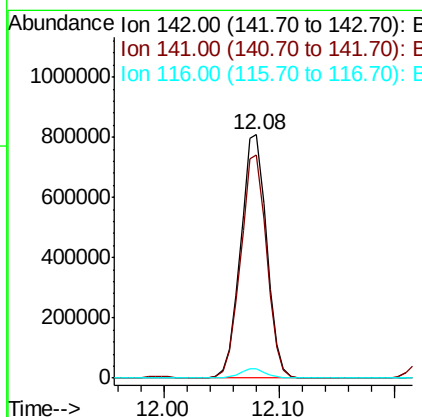
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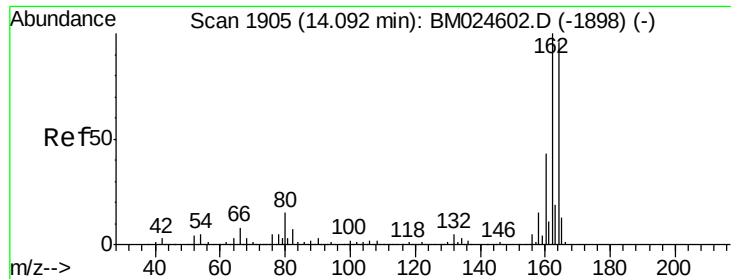
mohammad  
2/10/2020 8:10:11 AM



#38  
1-Methylnaphthalene  
Concen: 43.338 ng  
RT: 12.08 min Scan# 1563  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.9  | 72.8  | 109.2 |
| 116     | 3.8   | 3.2   | 4.8   |





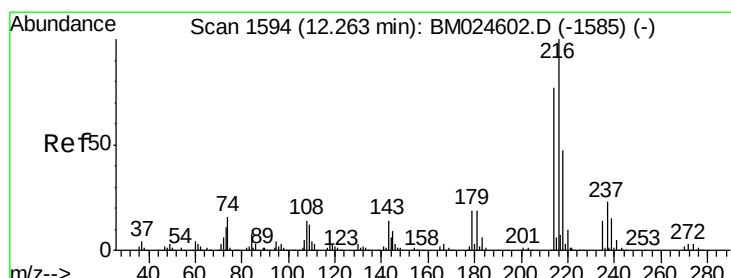
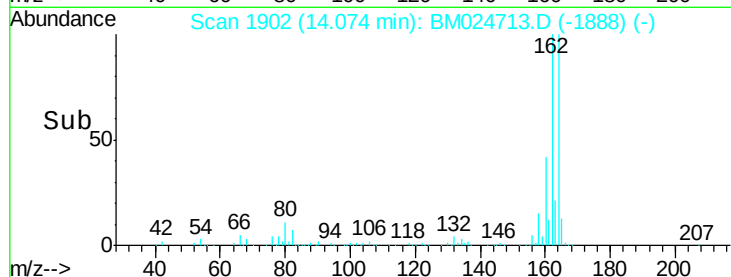
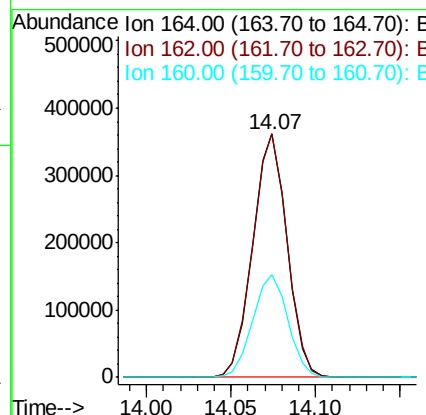
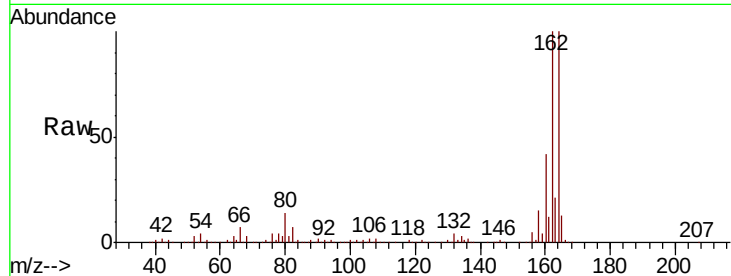
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.07 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 99.9  | 82.9 | 124.3 |       |
| 160     | 42.1  | 35.5 | 53.3  |       |

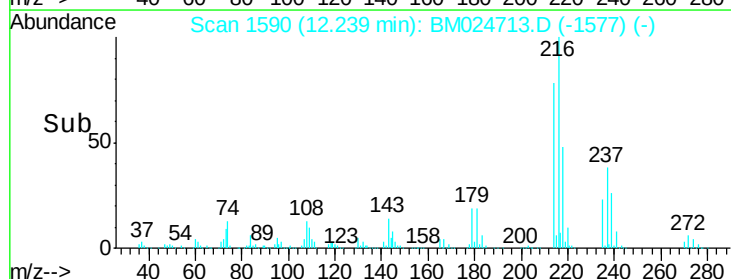
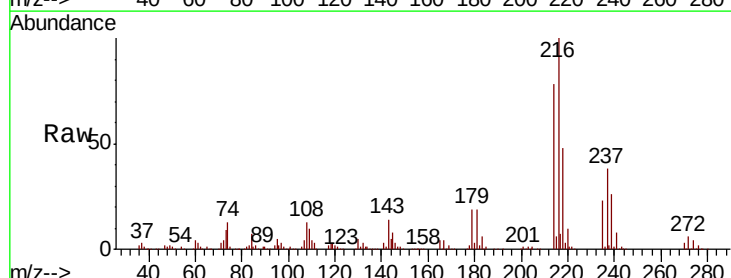
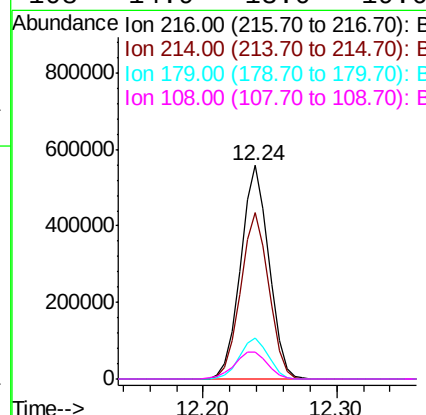
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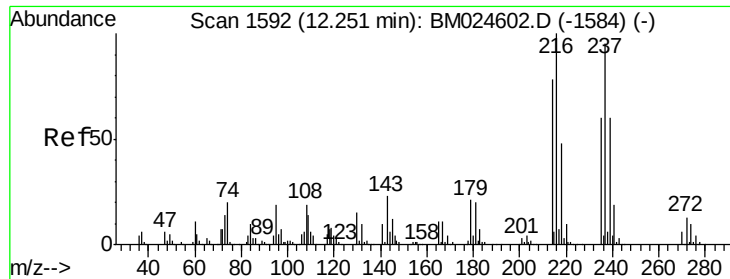


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.028 ng  
RT: 12.24 min Scan# 1590  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 77.9  | 62.3 | 93.5  |       |
| 179     | 19.5  | 16.1 | 24.1  |       |
| 108     | 14.9  | 13.0 | 19.6  |       |







#41

Hexachlorocyclopentadiene

Concen: 86.759 ng

RT: 12.23 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

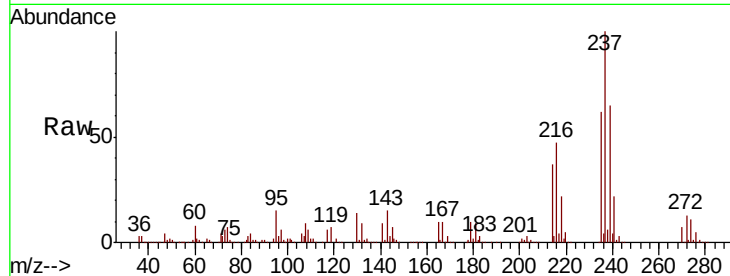
ClientSampleId :

SU-02-013120MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 884294 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.3  | 43.3  | 83.3   |
| 272       | 13.3  | 0.0   | 33.4   |

Manual Integrations  
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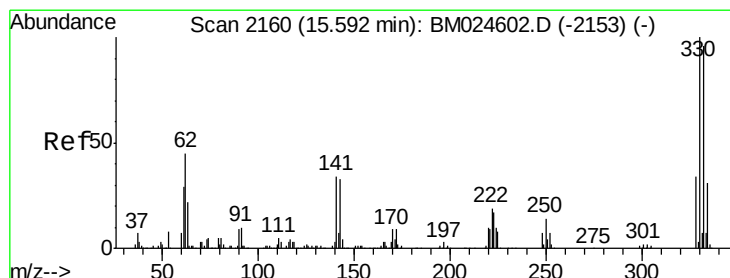
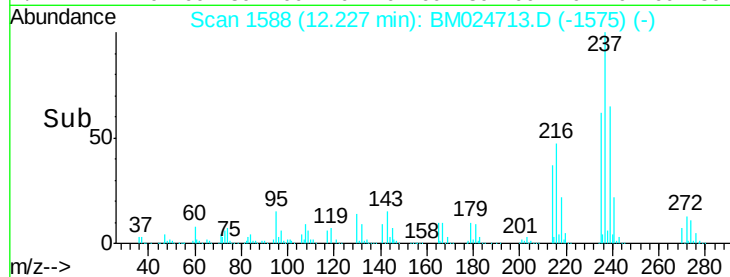
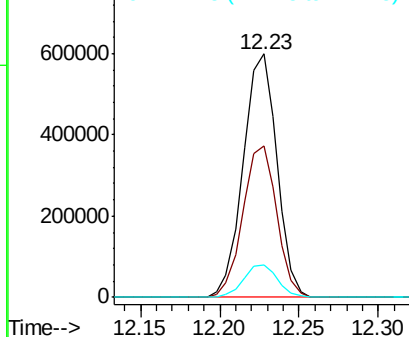


Abundance

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: 140.832 ng

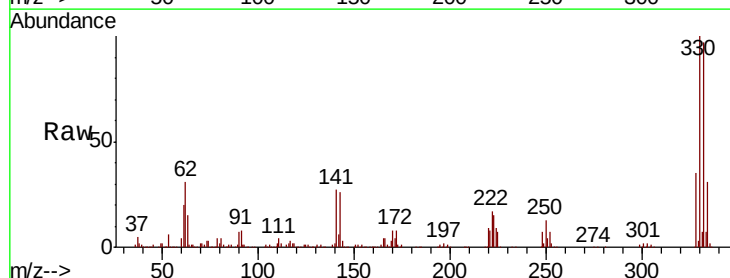
RT: 15.57 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 330   | Resp: | 1167187 |
| Ion Ratio | Lower | Upper |         |
| 330       | 100   |       |         |
| 332       | 97.4  | 77.2  | 115.8   |
| 141       | 27.0  | 26.9  | 40.3    |

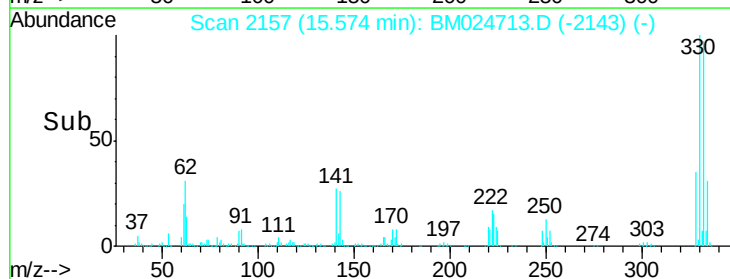
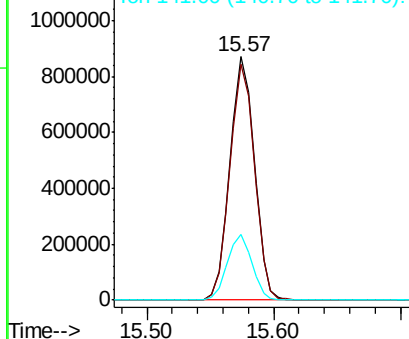


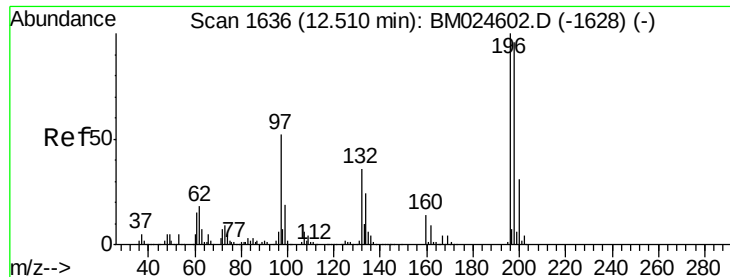
Abundance

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





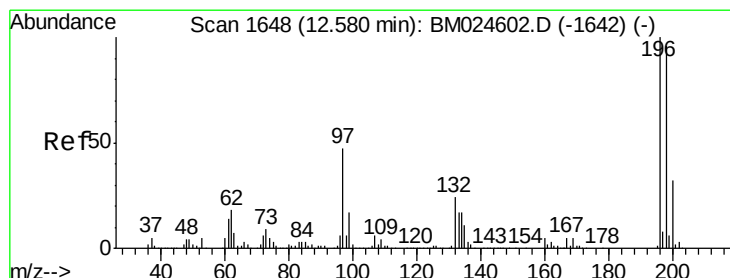
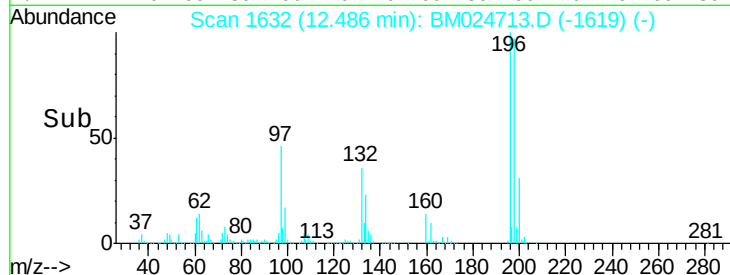
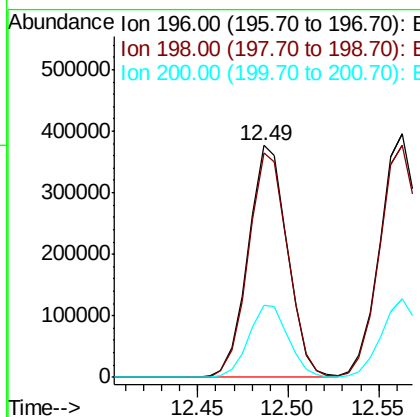
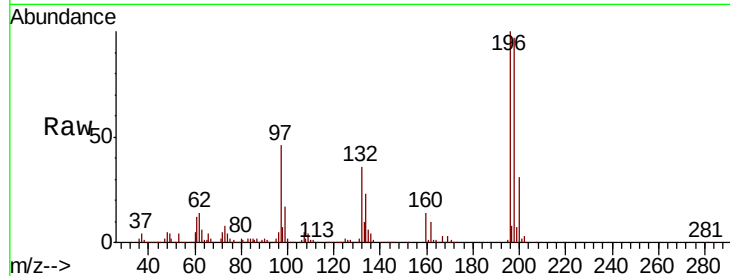
#43  
 2,4,6-Trichlorophenol  
 Concen: 49.148 ng  
 RT: 12.49 min Scan# 1632  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.0  | 76.5  | 114.7 |
| 200     | 31.2  | 25.0  | 37.6  |

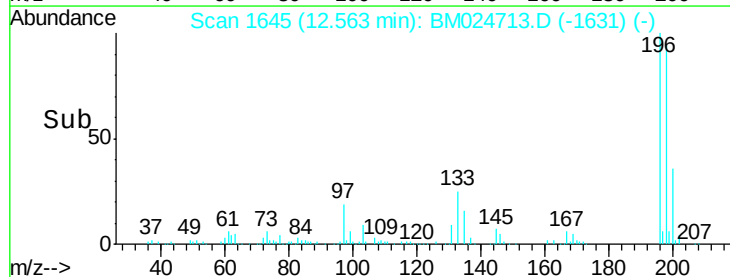
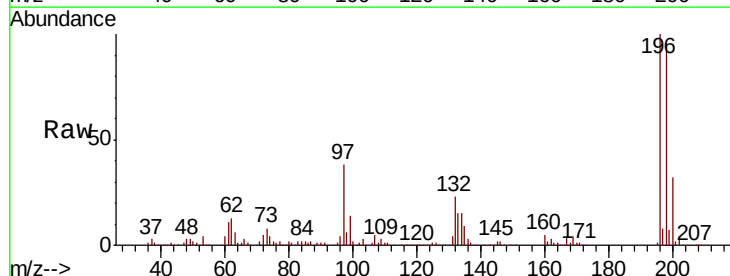
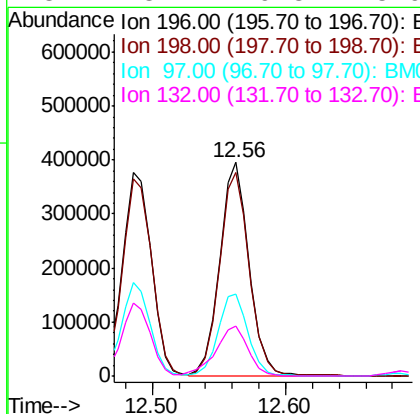
Manual Integrations  
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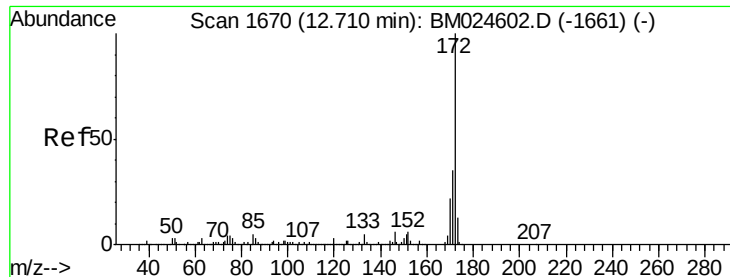
mohammad  
 2/10/2020 8:10:11 AM



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.231 ng  
 RT: 12.56 min Scan# 1645  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.6  | 77.2  | 115.8 |
| 97      | 38.5  | 37.4  | 56.0  |
| 132     | 23.1  | 19.3  | 28.9  |





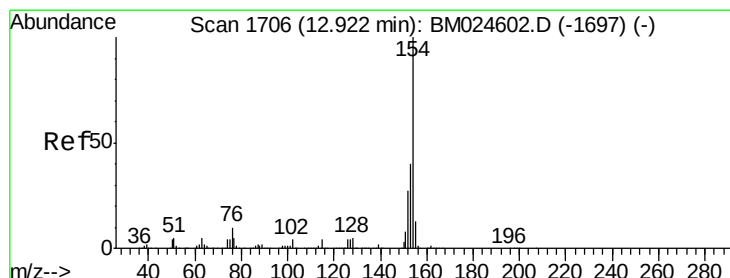
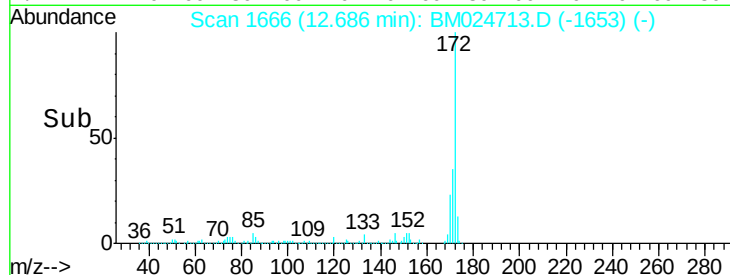
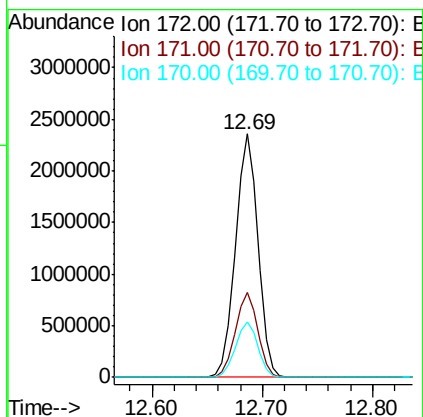
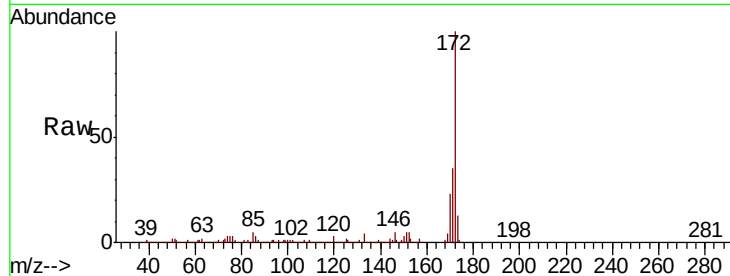
#45  
2-Fluorobiphenyl  
Concen: 90.016 ng  
RT: 12.69 min Scan# 1666  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.3  | 42.5  |
| 170     | 22.8  | 17.9  | 26.9  |

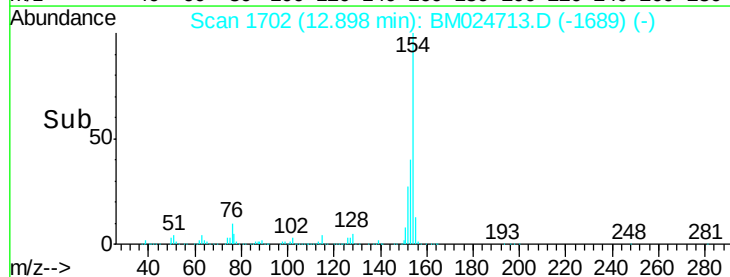
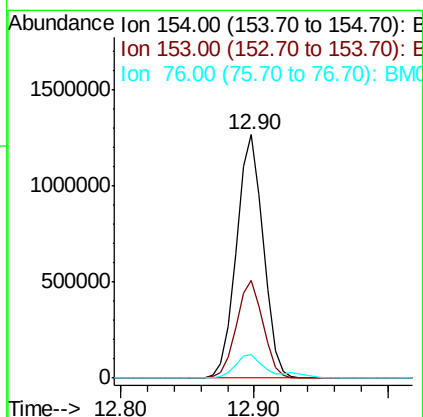
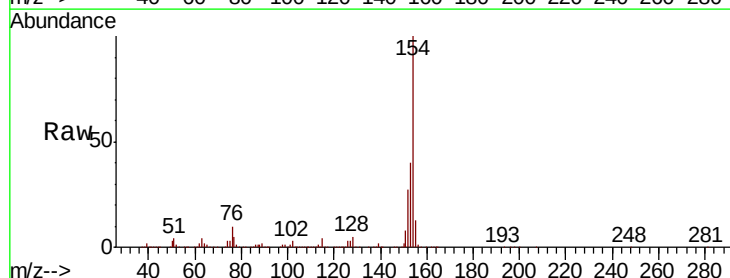
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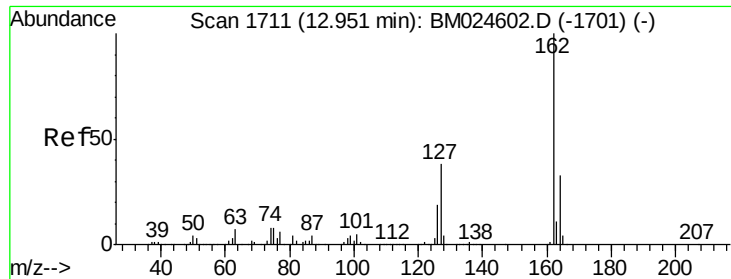
mohammad  
2/10/2020 8:10:11 AM



#46  
1,1'-Biphenyl  
Concen: 45.484 ng  
RT: 12.90 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.2  | 20.3  | 60.3  |
| 76      | 9.6   | 0.0   | 30.5  |





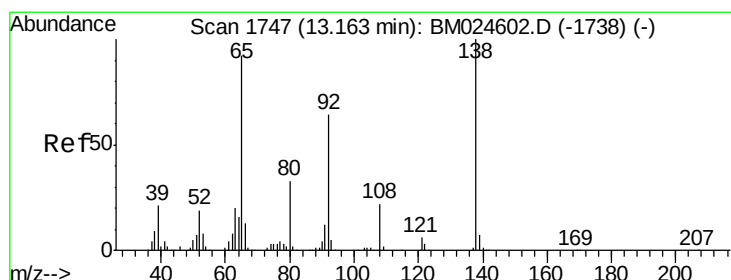
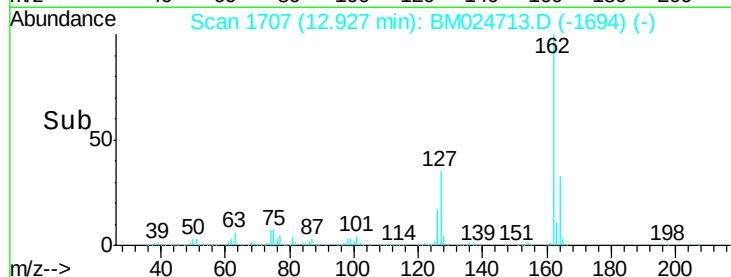
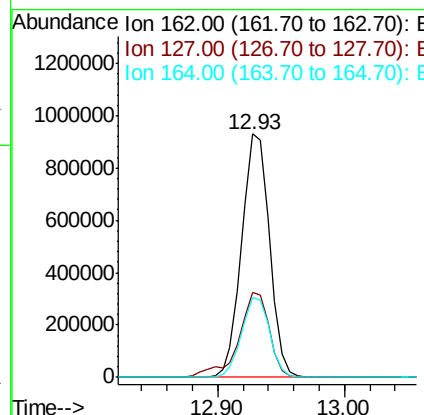
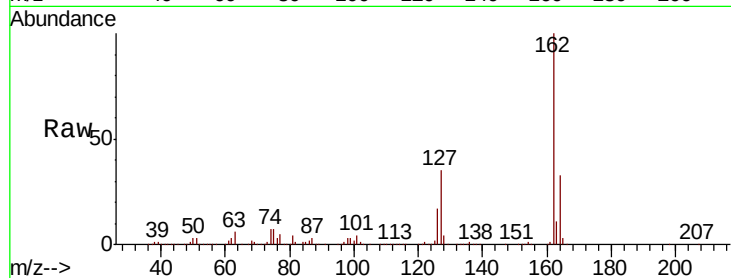
#47  
2-Chloronaphthalene  
Concen: 45.416 ng  
RT: 12.93 min Scan# 1707  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 34.9  | 30.4  | 45.6  |
| 164     | 32.9  | 26.5  | 39.7  |

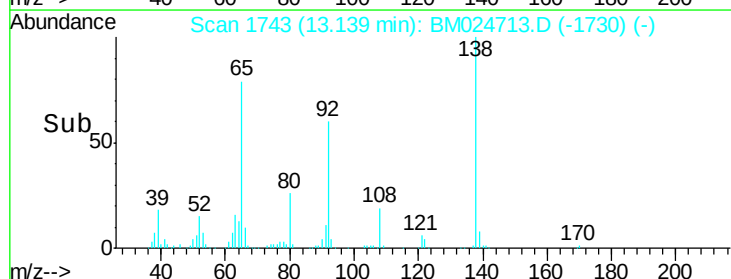
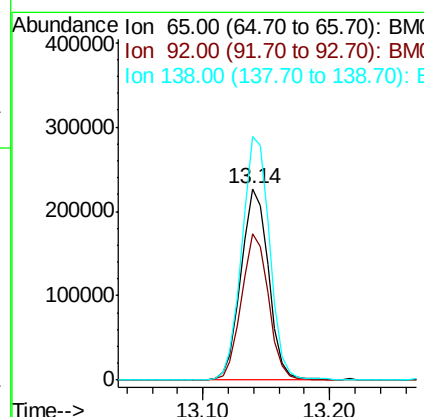
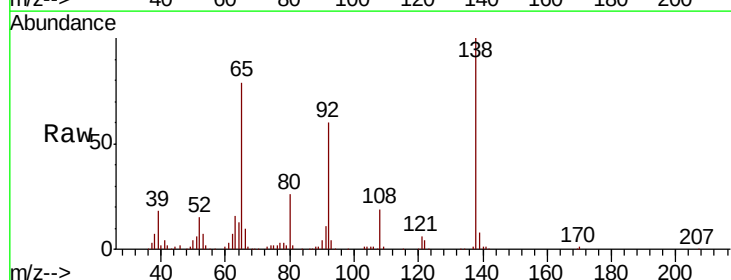
Manual Integrations  
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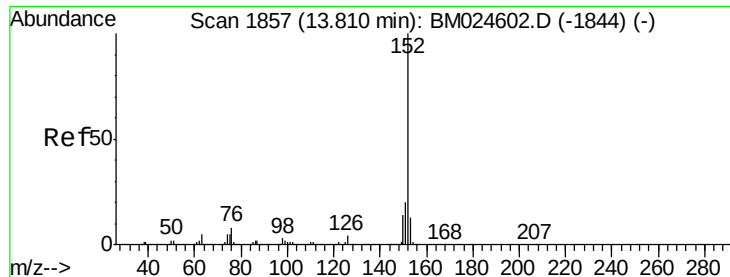
mohammad  
2/10/2020 8:10:11 AM



#48  
2-Nitroaniline  
Concen: 36.082 ng  
RT: 13.14 min Scan# 1743  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 76.2  | 55.4  | 83.2  |
| 138     | 127.3 | 86.6  | 129.8 |





#49

Acenaphthylene

Concen: 47.192 ng

RT: 13.79 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

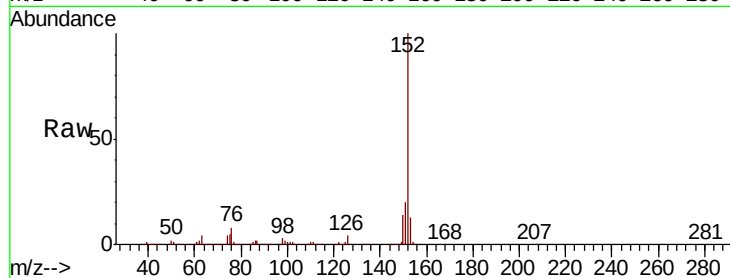
ClientSampleId :

SU-02-013120MSD

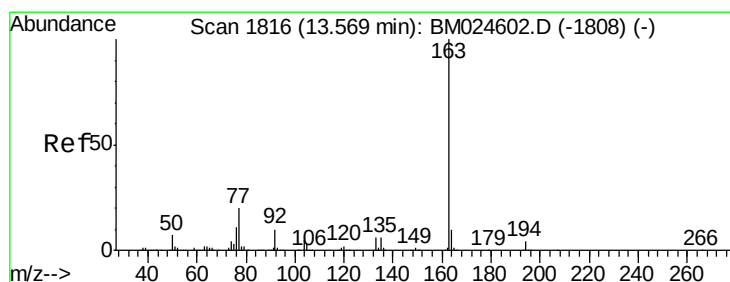
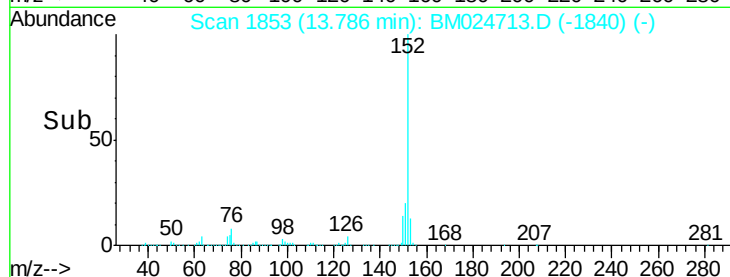
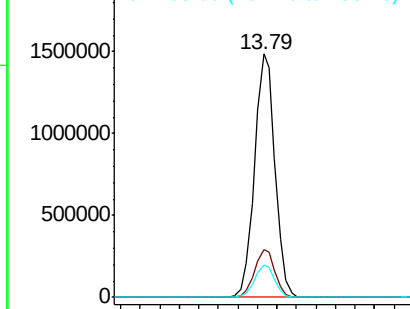
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 2199107 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 19.7  | 15.8  | 23.6    |
| 153      | 13.3  | 10.4  | 15.6    |

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Abundance Ion 152.00 (151.70 to 152.70): E  
2000000 Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.412 ng

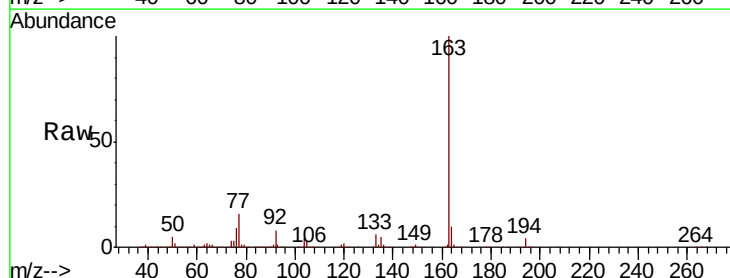
RT: 13.55 min Scan# 1813

Delta R.T. -0.02 min

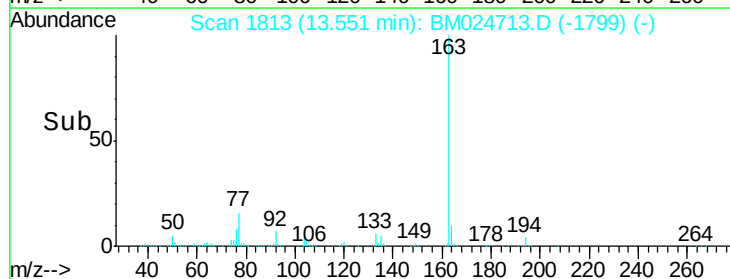
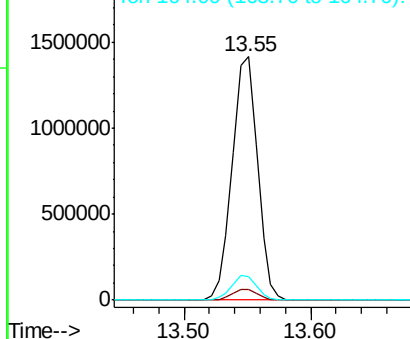
Lab File: BM024713.D

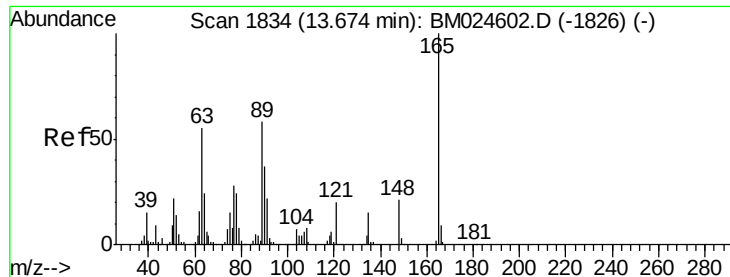
Acq: 04 Feb 2020 19:08

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 1953353 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.4   | 3.4   | 5.0     |
| 164      | 9.9   | 8.0   | 12.0    |



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





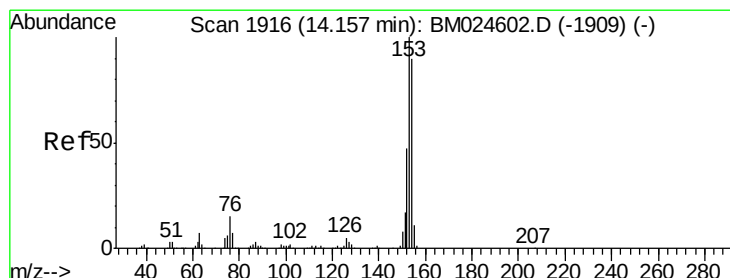
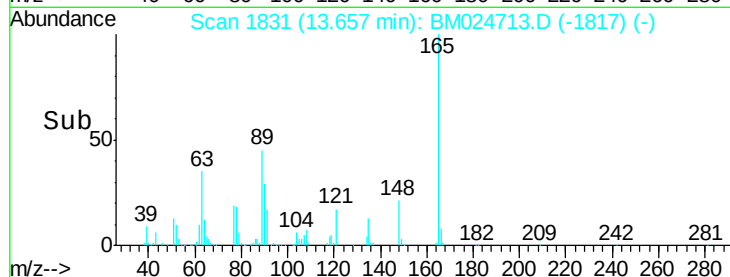
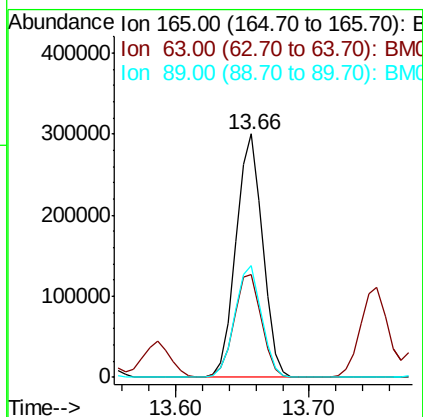
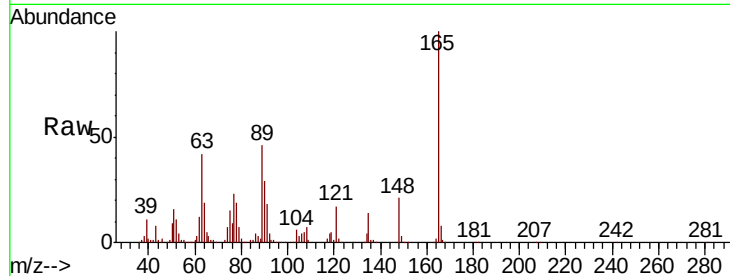
#51  
 2,6-Dinitrotoluene  
 Concen: 47.362 ng  
 RT: 13.66 min Scan# 1831  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.0  | 45.4  | 68.0# |
| 89      | 45.7  | 46.6  | 69.8# |

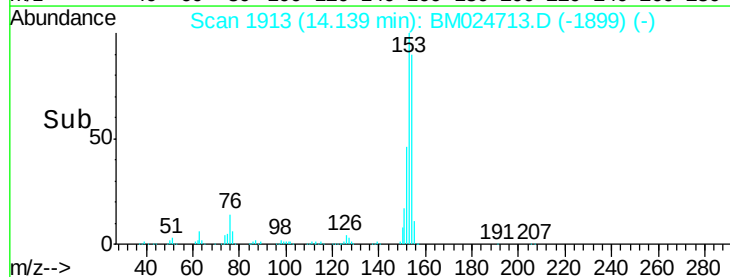
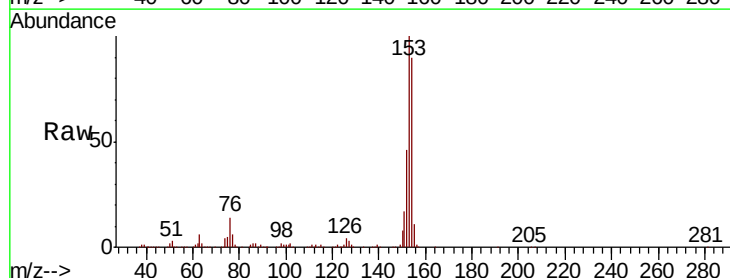
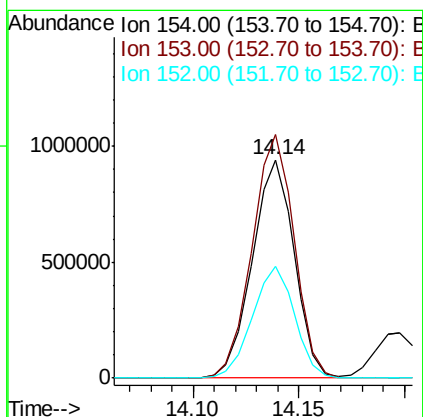
Manual Integrations  
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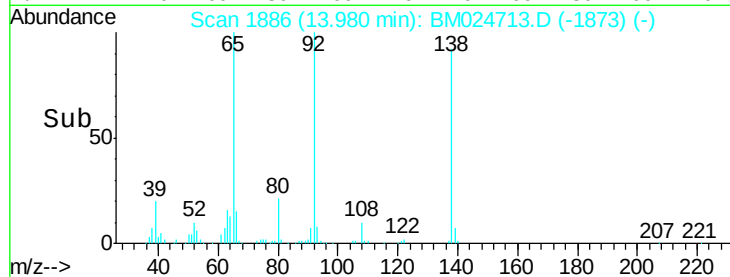
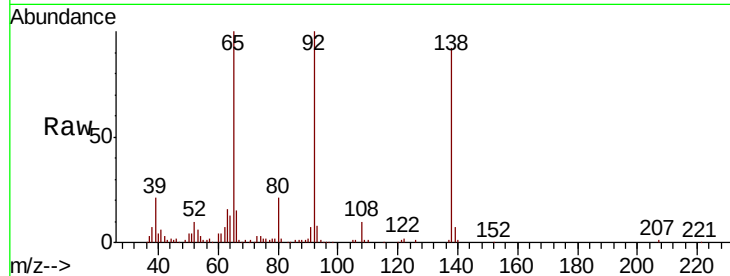
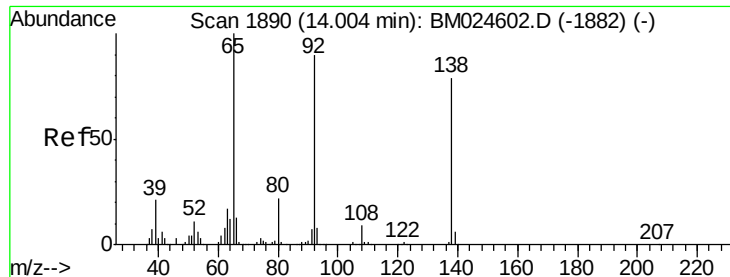
mohammad  
 2/10/2020 8:10:11 AM



#52  
 Acenaphthene  
 Concen: 45.001 ng  
 RT: 14.14 min Scan# 1913  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.7 | 89.1  | 133.7 |
| 152     | 51.5  | 41.9  | 62.9  |





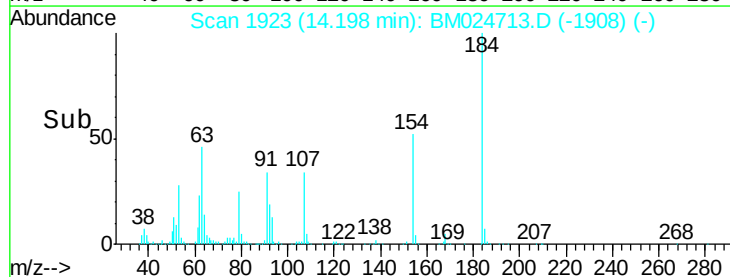
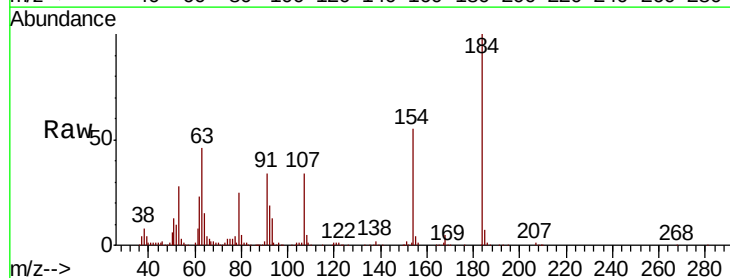
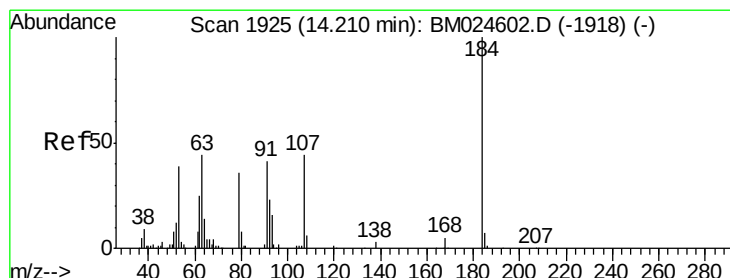
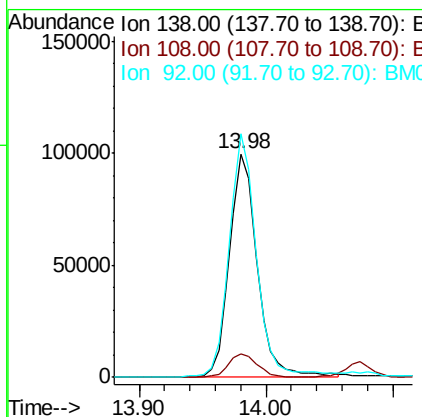
#53  
3-Nitroaniline  
Concen: 16.731 ng  
RT: 13.98 min Scan# 1886  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.6  | 8.7   | 13.1  |
| 92      | 108.8 | 91.0  | 136.4 |

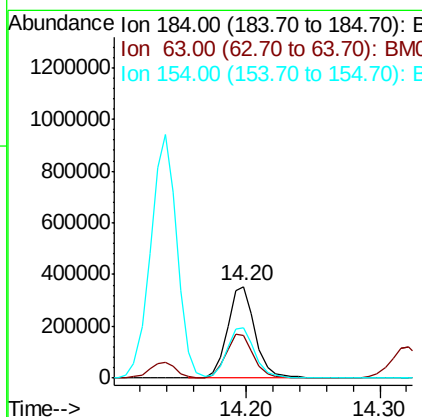
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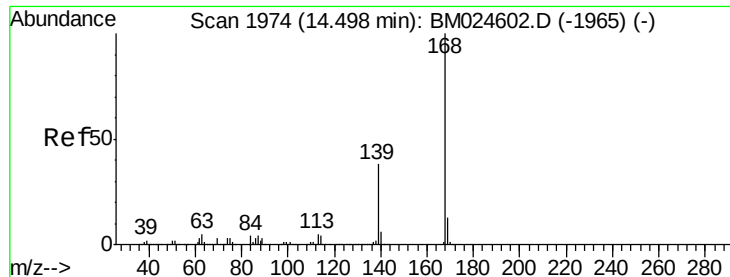
mohammad  
2/10/2020 8:10:11 AM



#54  
2,4-Dinitrophenol  
Concen: 97.554 ng  
RT: 14.20 min Scan# 1923  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 46.1  | 51.8  | 77.8# |
| 154     | 55.2  | 50.2  | 75.4  |





#55

Dibenzofuran

Concen: 46.457 ng

RT: 14.48 min Scan# 1971

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion:168 Resp: 2190836

Ion Ratio Lower Upper

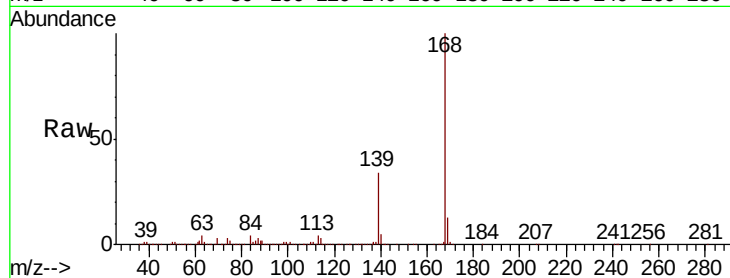
168 100

139 34.0 30.2 45.4

169 12.9 10.7 16.1

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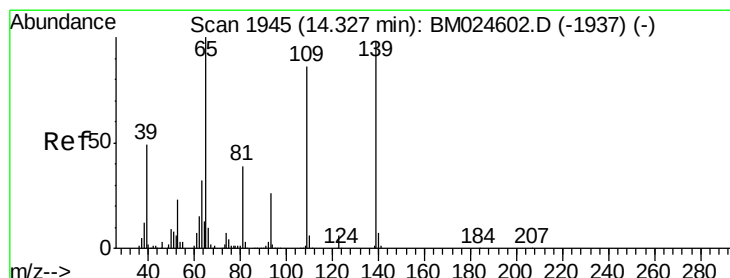
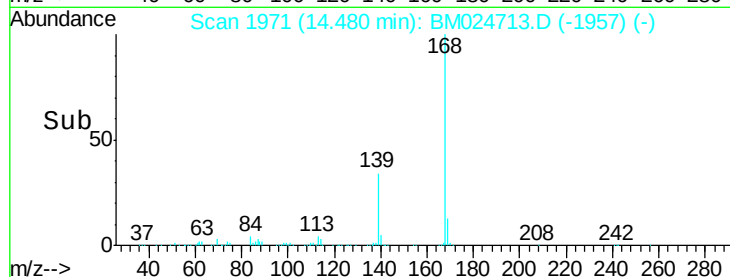
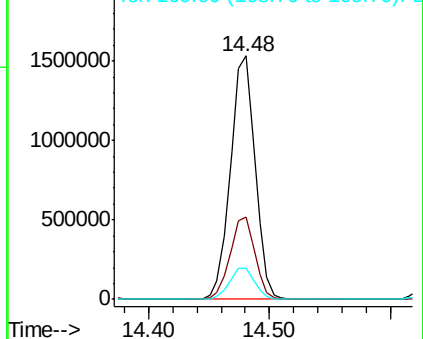


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 101.339 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

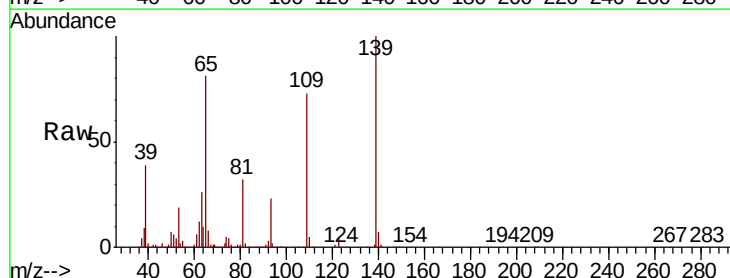
Tgt Ion:139 Resp: 719667

Ion Ratio Lower Upper

139 100

109 72.7 67.4 107.4

65 80.8 82.1 122.1#

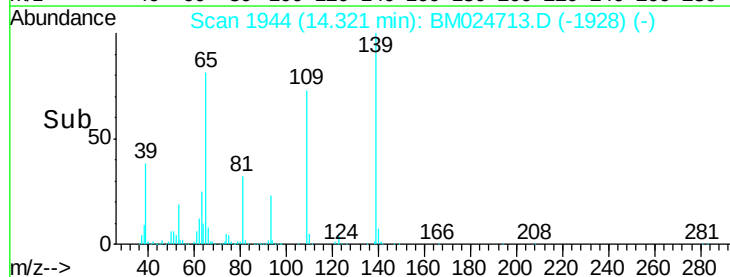
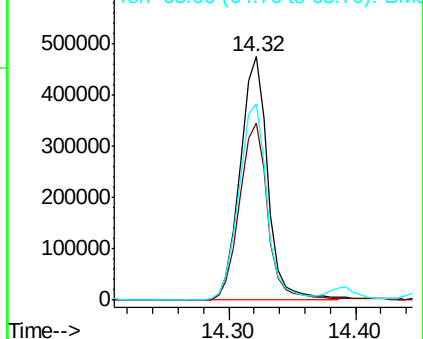


Abundance

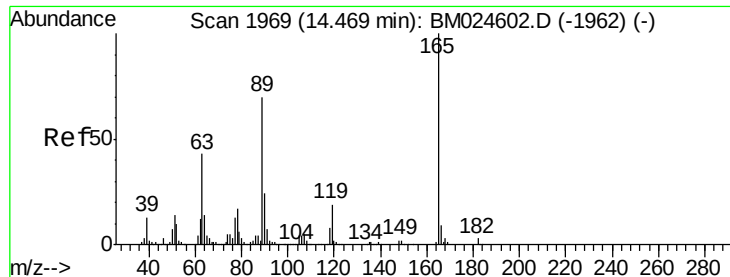
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM







#57

2,4-Dinitrotoluene

Concen: 45.376 ng

RT: 14.45 min Scan# 1966

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

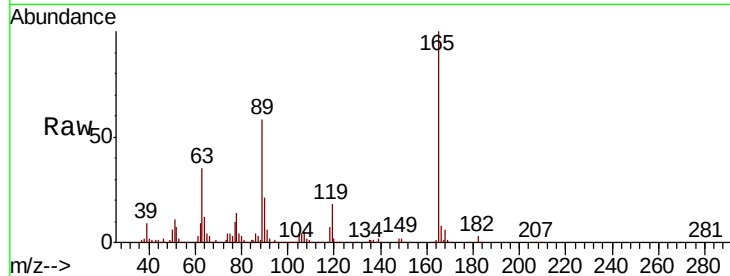
ClientSampleId :

SU-02-013120MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 569636 |       |       |
| 63      | 35.0 |       | 34.5   | 51.7  |       |
| 89      | 57.8 |       | 55.8   | 83.8  |       |
| 182     | 3.1  |       | 2.3    | 3.5   |       |

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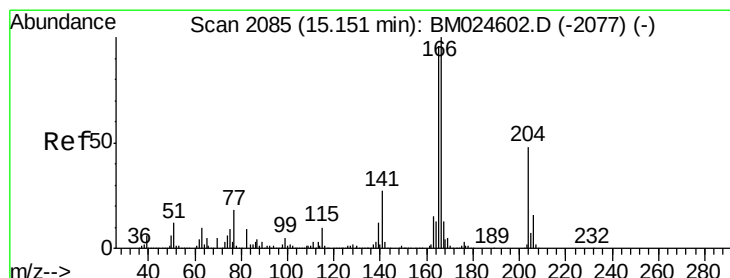
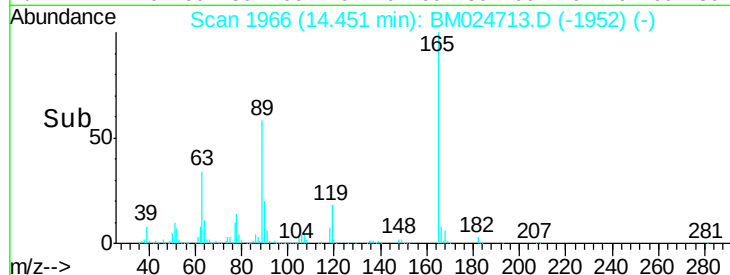
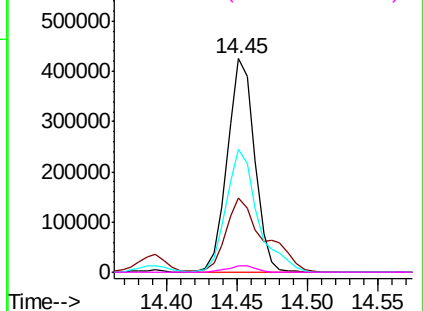


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.262 ng

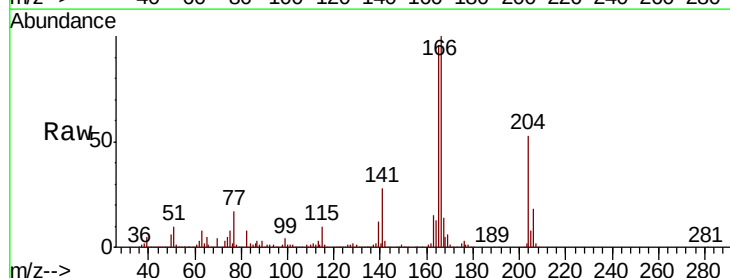
RT: 15.13 min Scan# 2082

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

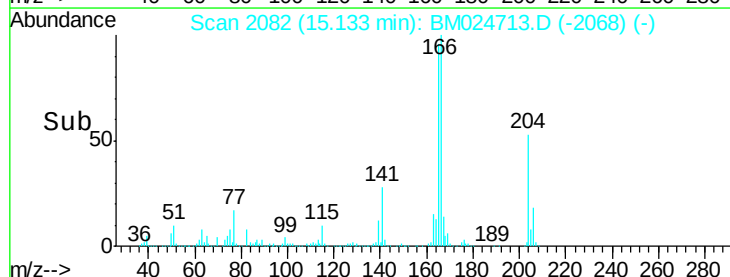
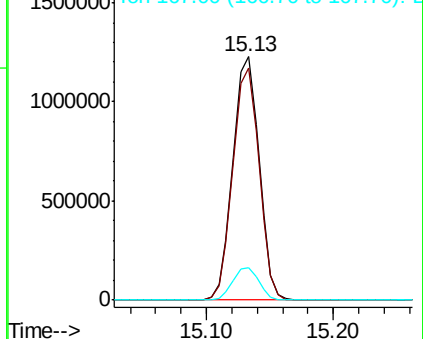
| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1754099 |       |       |
| 165     | 95.6 |       | 76.6    | 114.8 |       |
| 167     | 13.5 |       | 10.8    | 16.2  |       |

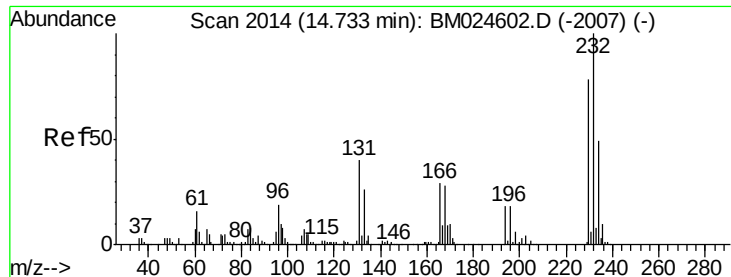


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





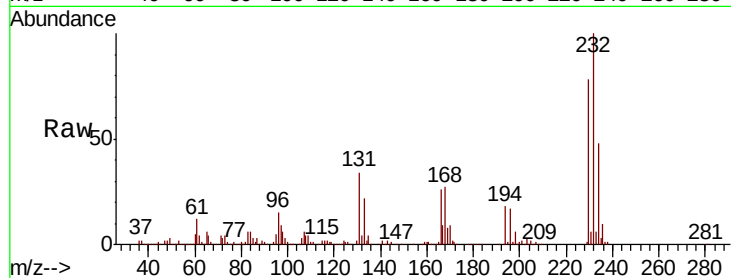
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.069 ng  
RT: 14.72 min Scan# 2011  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

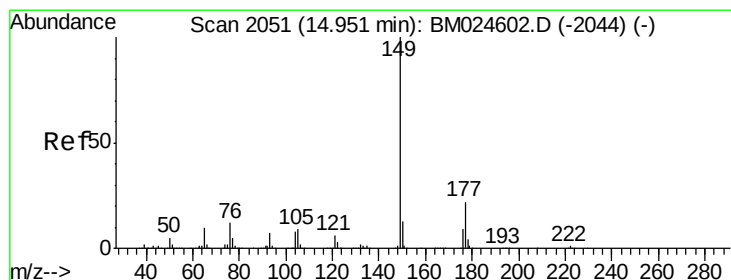
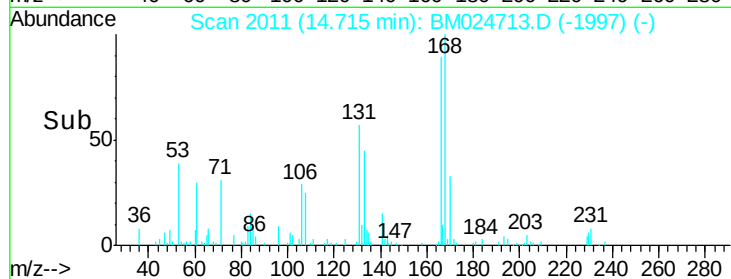
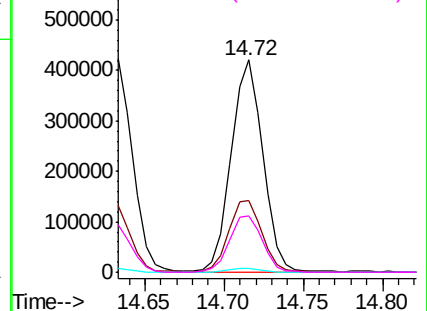
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 35.4  | 32.2  | 48.4  |
| 130     | 1.9   | 1.9   | 2.9   |
| 166     | 27.6  | 23.4  | 35.0  |

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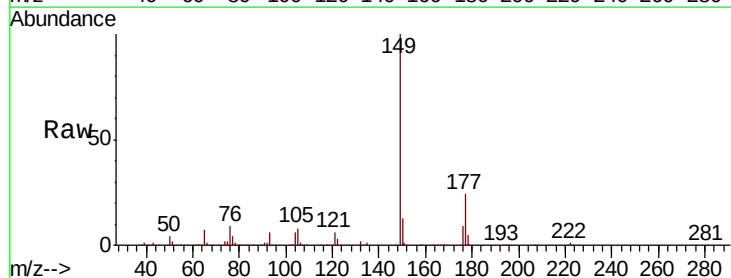


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

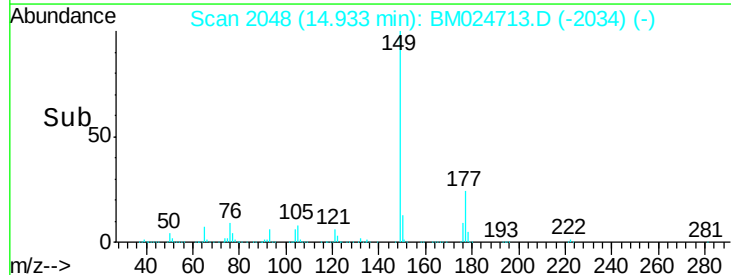
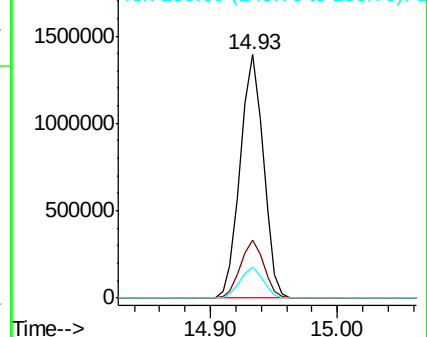


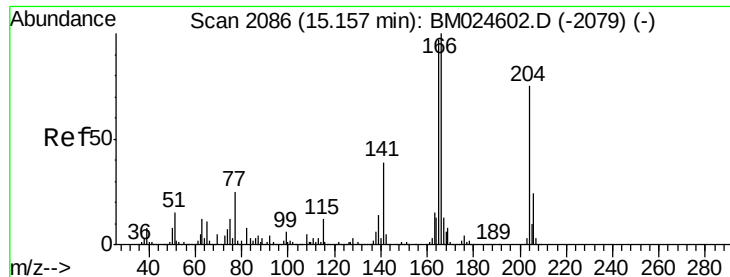
#60  
Diethylphthalate  
Concen: 42.042 ng  
RT: 14.93 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.8  | 18.0  | 27.0  |
| 150     | 12.6  | 10.2  | 15.4  |



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





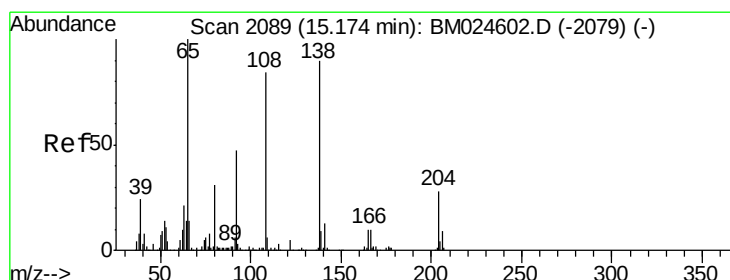
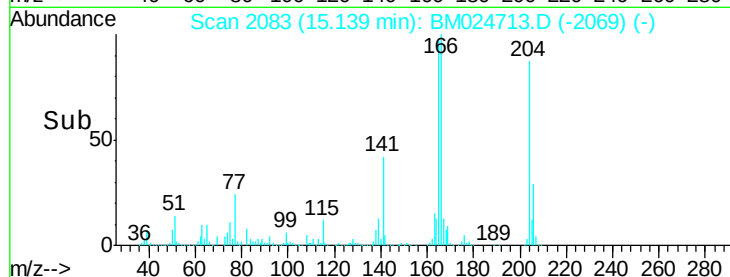
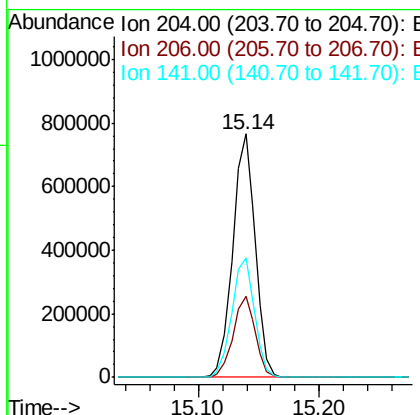
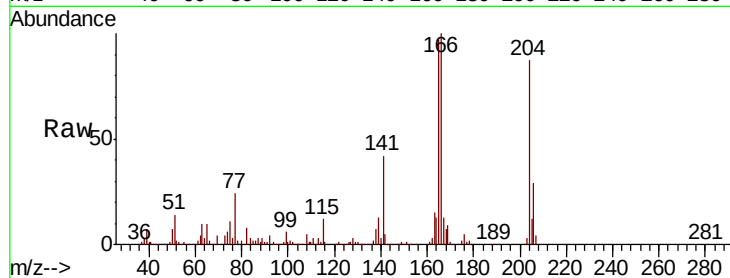
#61  
4-Chlorophenyl-phenylether  
Concen: 43.315 ng  
RT: 15.14 min Scan# 2083  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.2  | 39.2  |
| 141     | 49.0  | 42.2  | 63.2  |

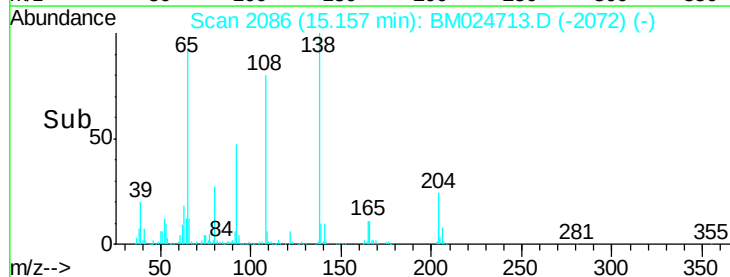
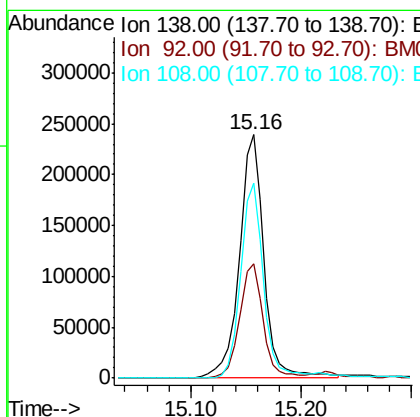
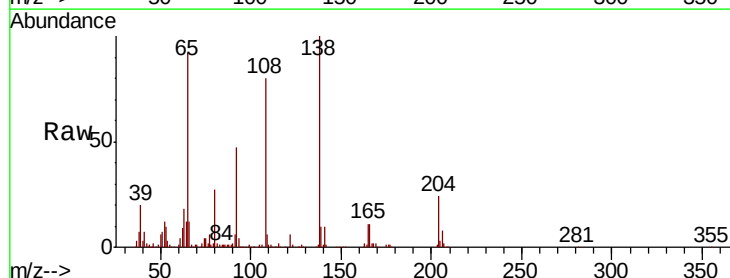
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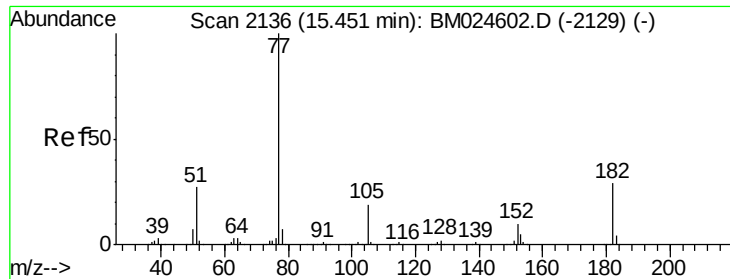
mohammad  
2/10/2020 8:10:11 AM



#62  
4-Nitroaniline  
Concen: 37.229 ng  
RT: 15.16 min Scan# 2086  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 47.1  | 32.4  | 72.4  |
| 108     | 80.3  | 73.3  | 113.3 |





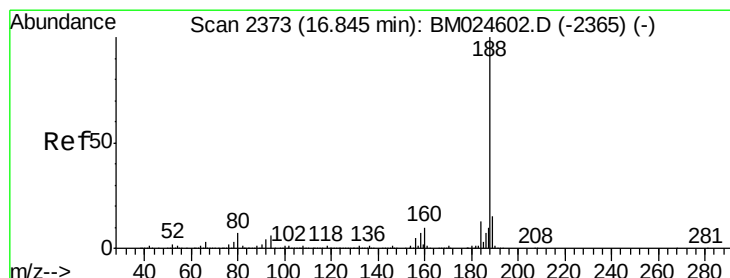
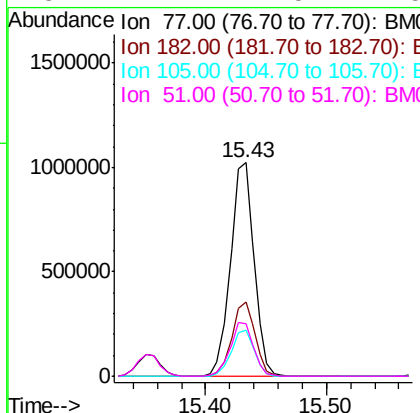
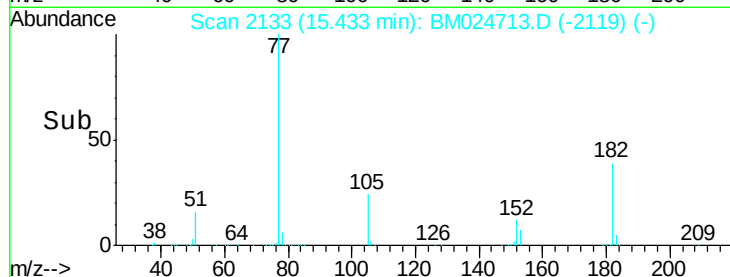
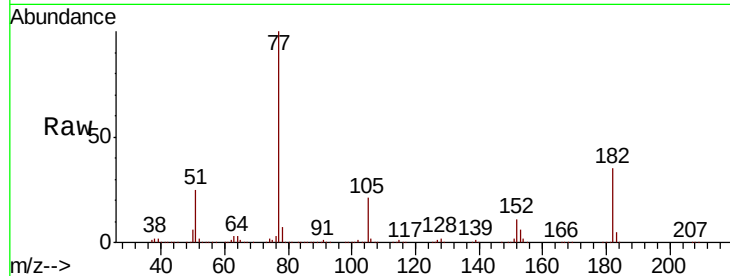
#63  
Azobenzene  
Concen: 38.894 ng  
RT: 15.43 min Scan# 2133  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 35.0 | 8.7   | 48.7  |       |
| 105     | 21.4 | 0.0   | 39.2  |       |
| 51      | 24.7 | 7.5   | 47.5  |       |

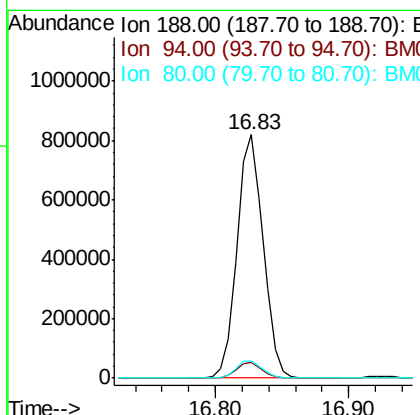
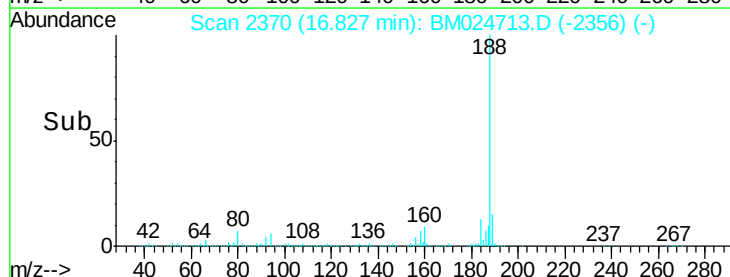
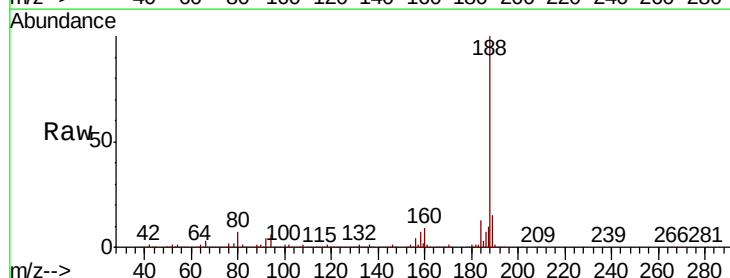
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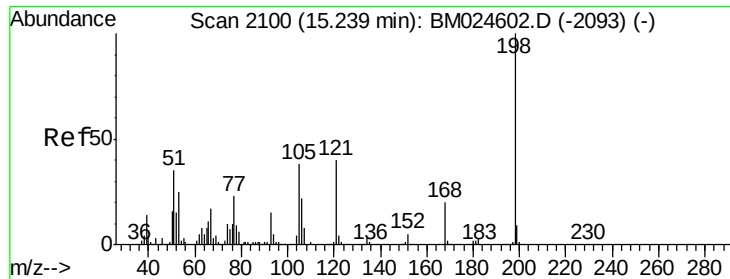
mohammad  
2/10/2020 8:10:11 AM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.83 min Scan# 2370  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 188     | 100 |       |       |       |
| 94      | 6.4 | 5.0   | 7.6   |       |
| 80      | 7.2 | 5.8   | 8.8   |       |





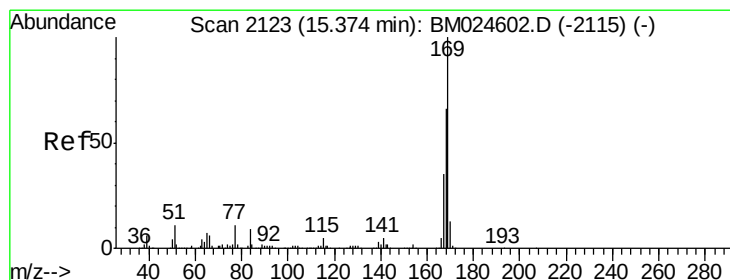
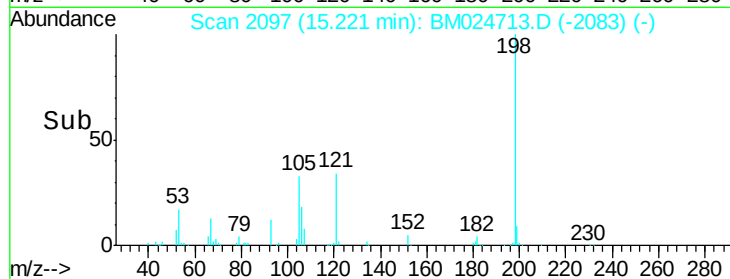
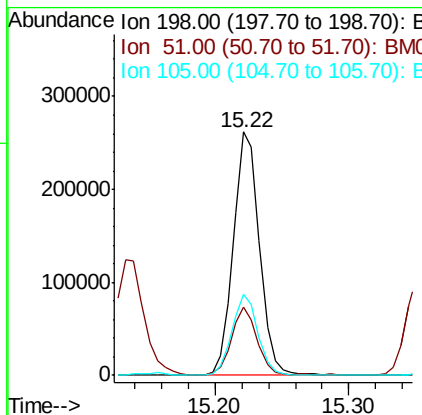
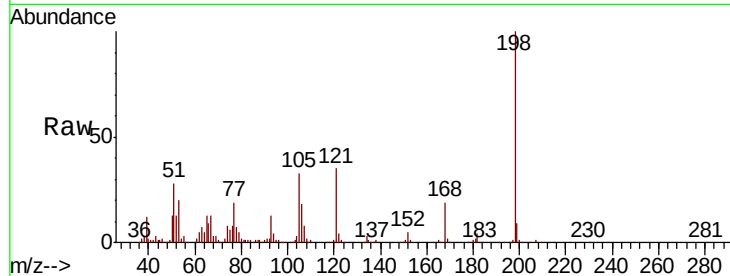
#65  
4,6-Dinitro-2-methylphenol  
Concen: 54.650 ng  
RT: 15.22 min Scan# 2097  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 357462 |       |       |
| 51      | 28.0  |        | 15.8  | 55.8  |
| 105     | 33.3  |        | 18.5  | 58.5  |

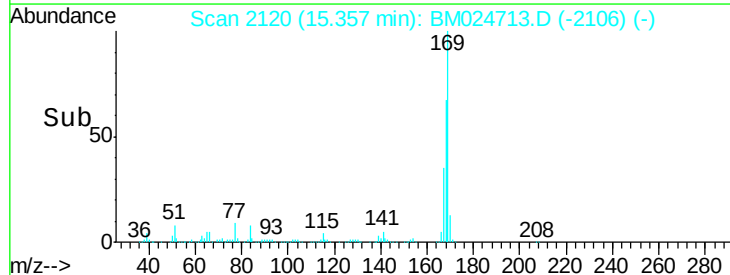
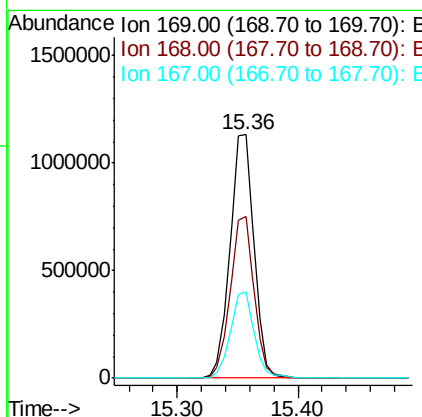
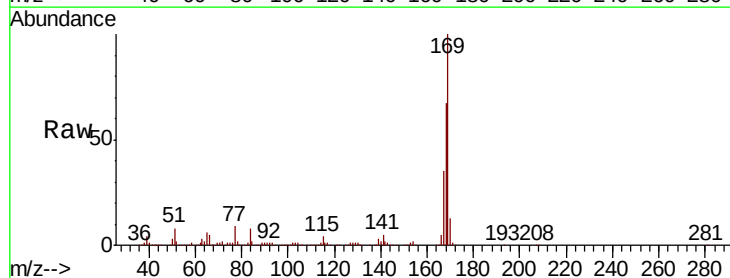
Manual Integrations  
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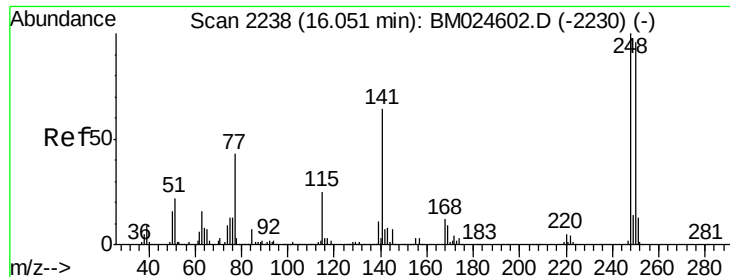
mohammad  
2/10/2020 8:10:11 AM



#66  
n-Nitrosodiphenylamine  
Concen: 49.052 ng  
RT: 15.36 min Scan# 2120  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1567429 |       |       |
| 168     | 66.7  |         | 52.8  | 79.2  |
| 167     | 35.3  |         | 28.2  | 42.2  |





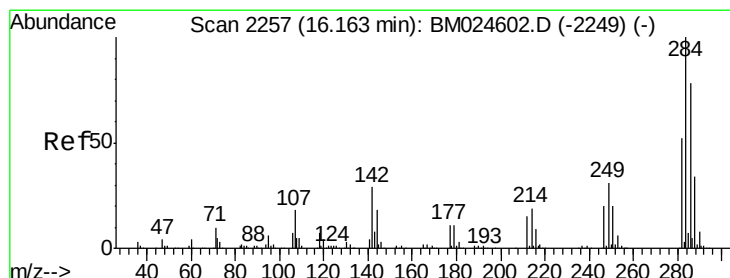
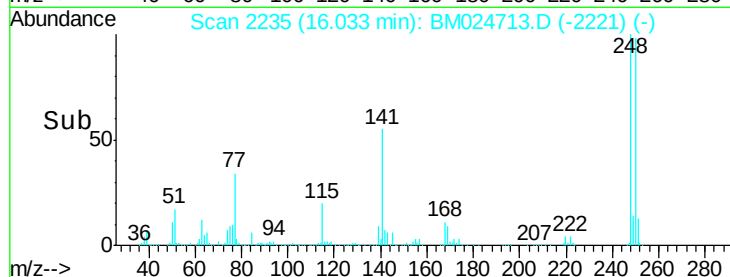
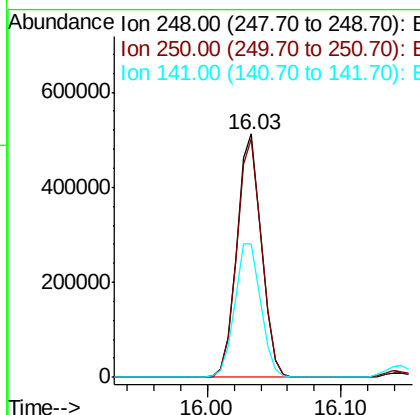
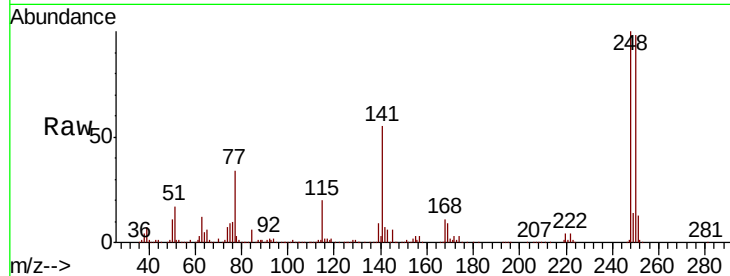
#67  
4-Bromophenyl-phenylether  
Concen: 47.364 ng  
RT: 16.03 min Scan# 2235  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.9  | 77.0  | 115.6 |
| 141     | 54.7  | 50.9  | 76.3  |

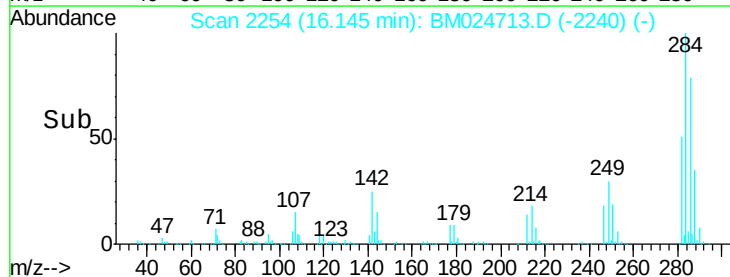
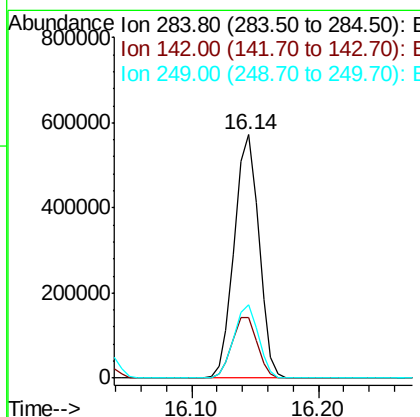
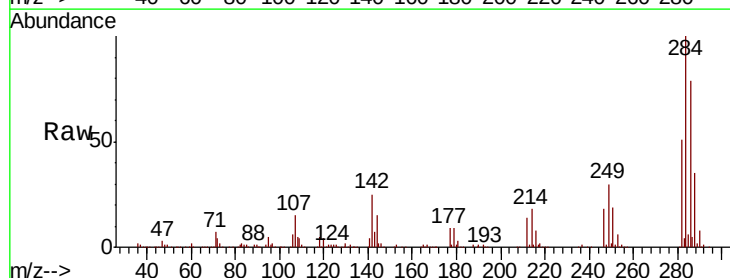
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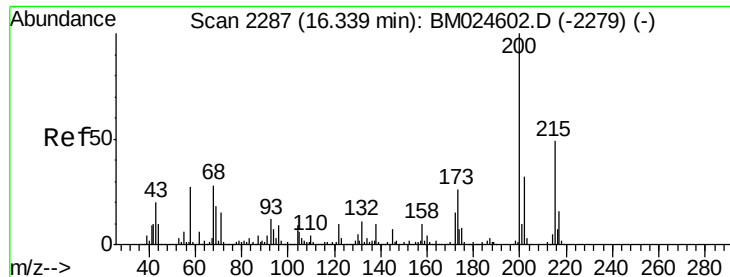
mohammad  
2/10/2020 8:10:11 AM



#68  
Hexachlorobenzene  
Concen: 48.345 ng  
RT: 16.14 min Scan# 2254  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 24.9  | 23.5  | 35.3  |
| 249     | 30.2  | 24.6  | 36.8  |





#69

Atrazine

Concen: 50.165 ng

RT: 16.32 min Scan# 2284

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

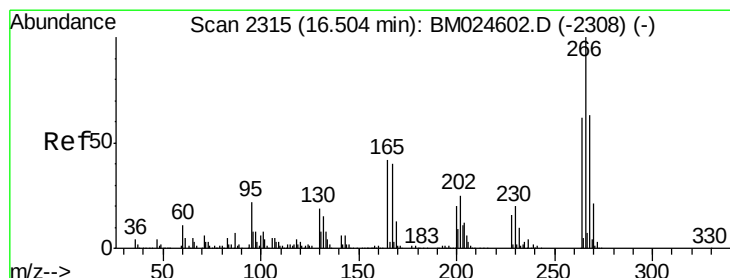
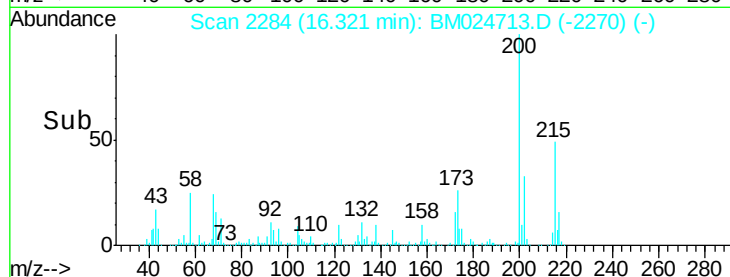
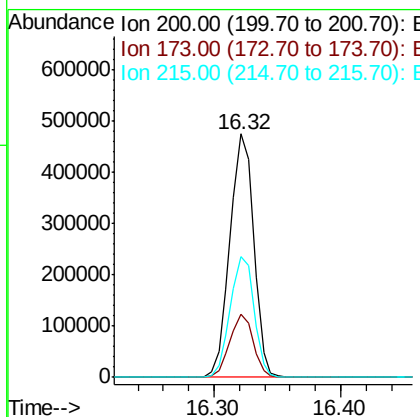
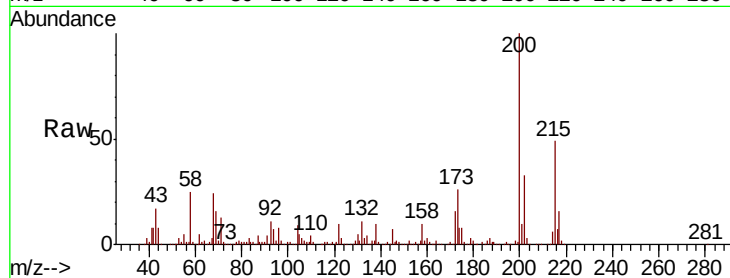
ClientSampleId :

SU-02-013120MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 615320 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 26.1  | 5.5   | 45.5   |
| 215       | 49.4  | 29.4  | 69.4   |

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#70

Pentachlorophenol

Concen: 105.850 ng

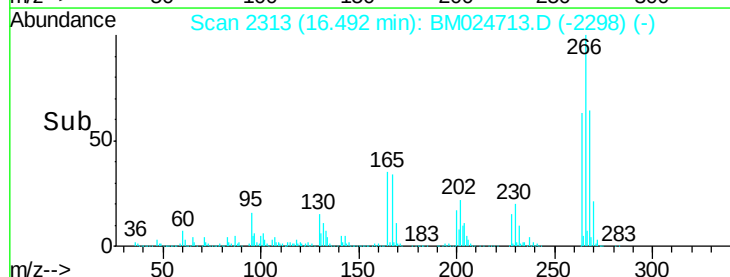
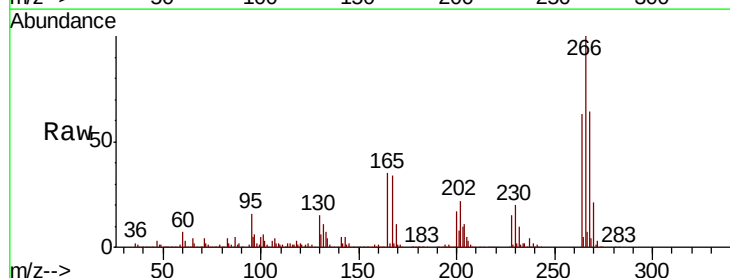
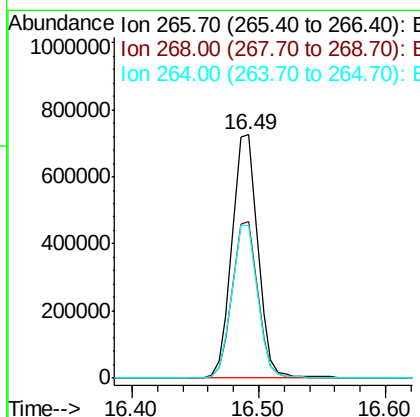
RT: 16.49 min Scan# 2313

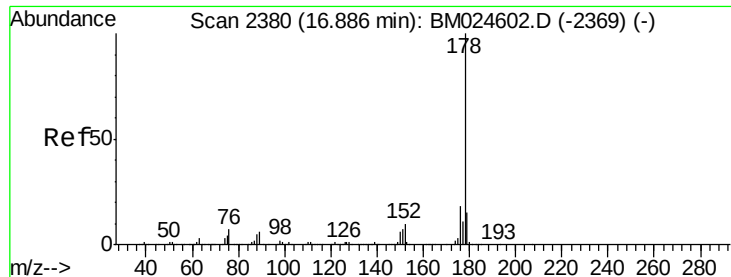
Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 266   | Resp: | 1023557 |
| Ion Ratio | Lower | Upper |         |
| 266       | 100   |       |         |
| 268       | 64.2  | 50.4  | 75.6    |
| 264       | 62.6  | 49.9  | 74.9    |





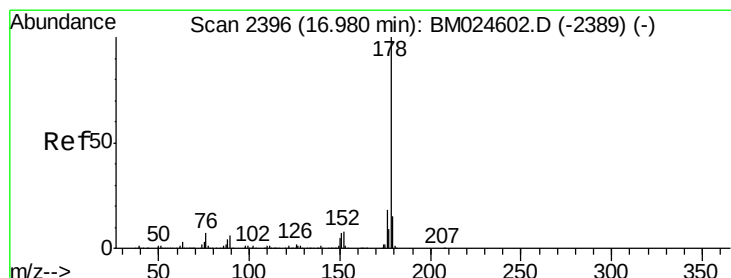
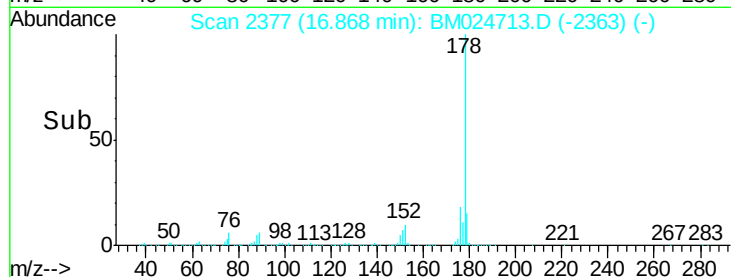
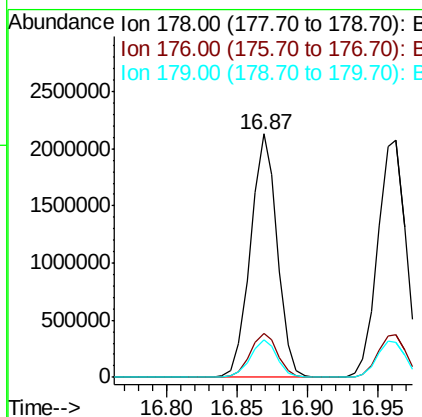
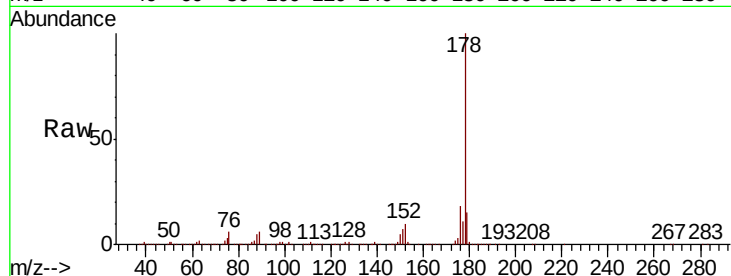
#71  
Phenanthrene  
Concen: 47.100 ng  
RT: 16.87 min Scan# 2377  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.0  | 14.5  | 21.7  |
| 179     | 15.2  | 11.9  | 17.9  |

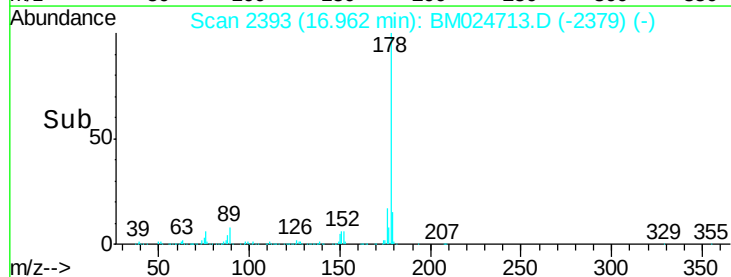
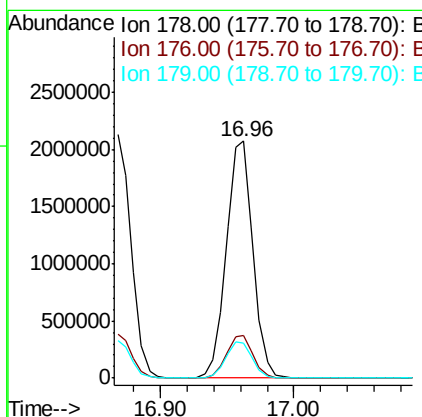
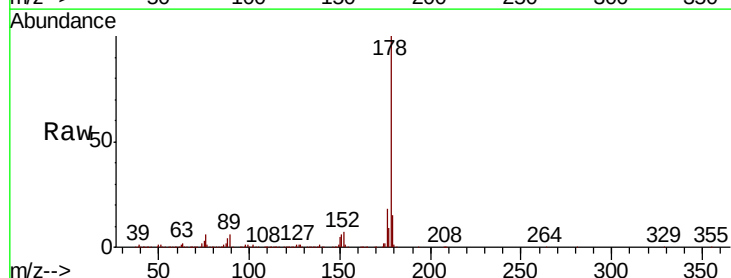
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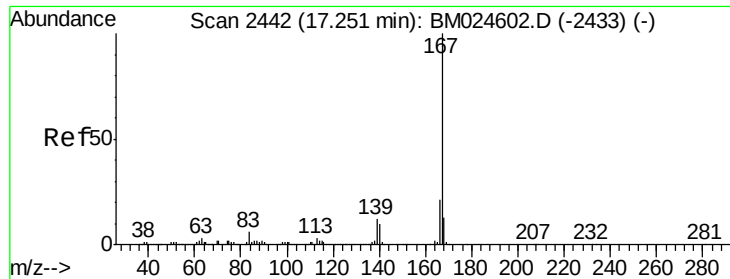


#72  
Anthracene  
Concen: 48.904 ng  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.8  | 14.3  | 21.5  |
| 179     | 15.0  | 12.1  | 18.1  |







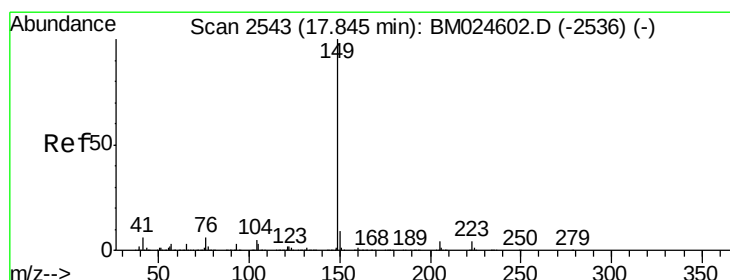
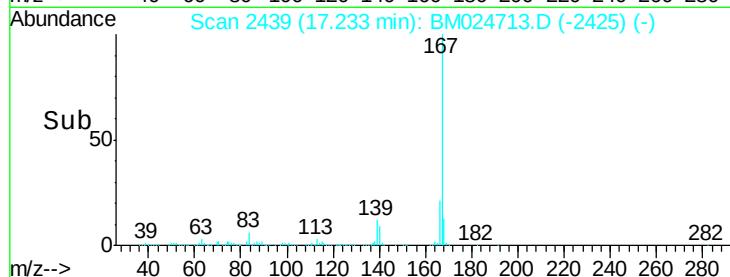
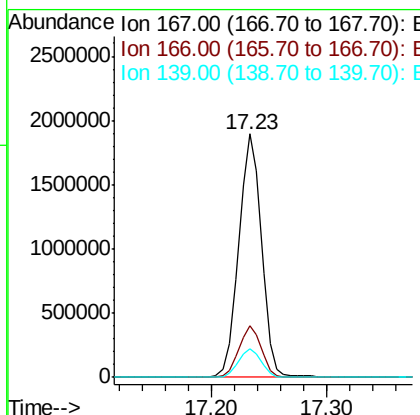
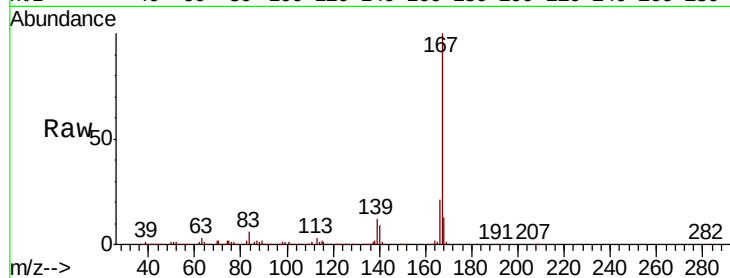
#73  
 Carbazole  
 Concen: 48.194 ng  
 RT: 17.23 min Scan# 2439  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

Tot Ion:167 Resp: 2586001  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.1 25.7  
 139 11.9 9.8 14.8

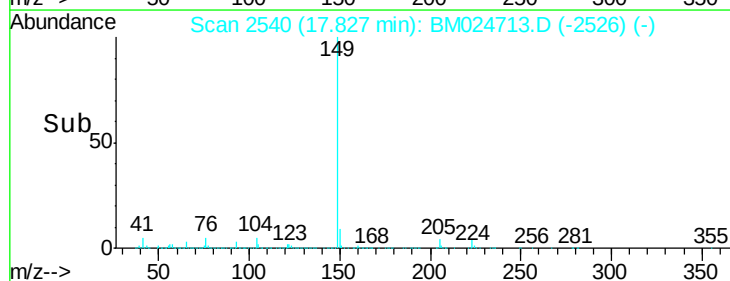
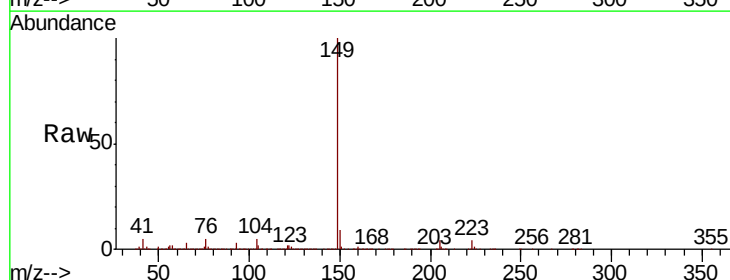
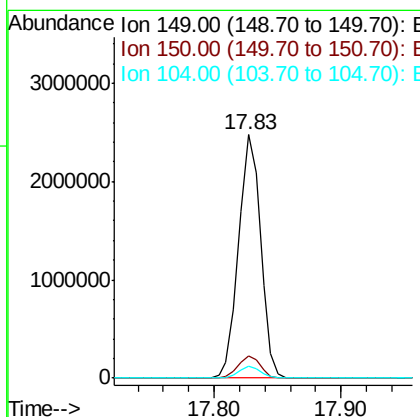
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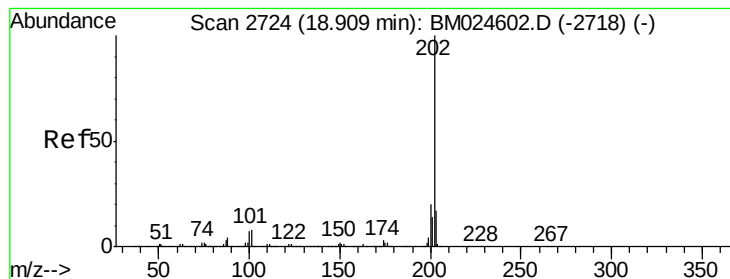
mohammad  
 2/10/2020 8:10:11 AM



#74  
 Di-n-butylphthalate  
 Concen: 43.158 ng  
 RT: 17.83 min Scan# 2540  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Tgt Ion:149 Resp: 2960547  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 4.8 4.3 6.5





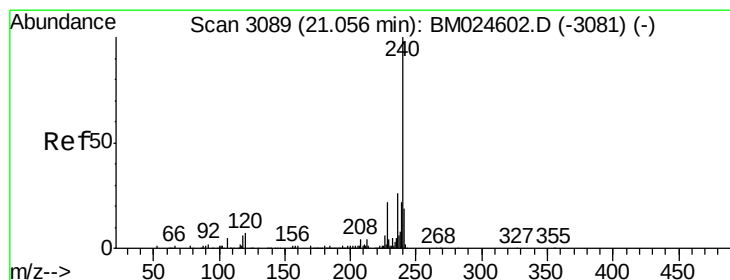
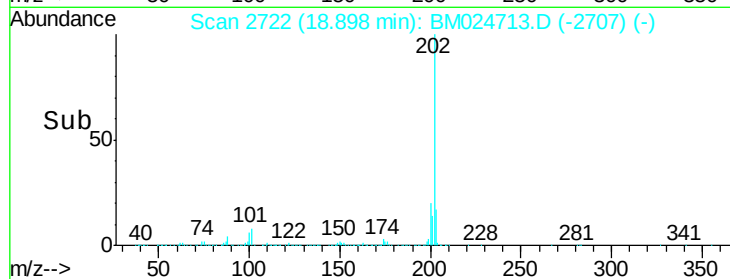
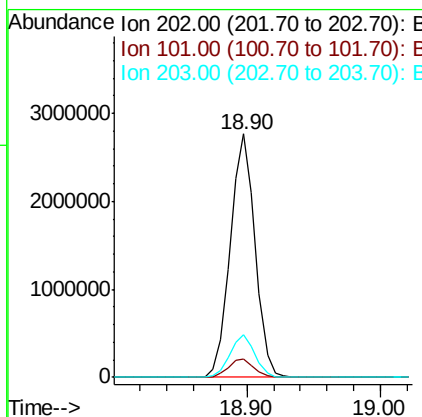
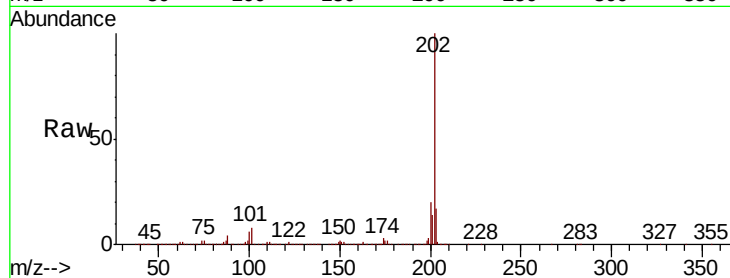
#75  
 Fluoranthene  
 Concen: 47.718 ng  
 RT: 18.90 min Scan# 2722  
 Delta R.T. -0.01 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.5   | 0.0   | 28.4  |
| 203     | 17.4  | 0.0   | 37.5  |

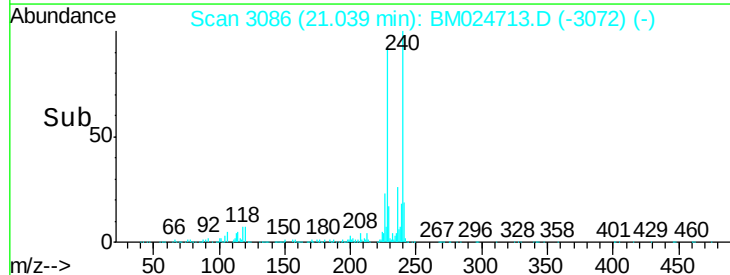
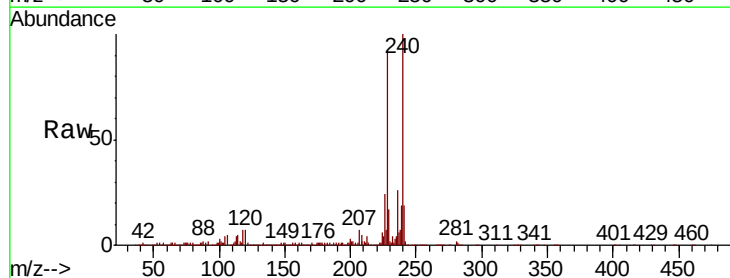
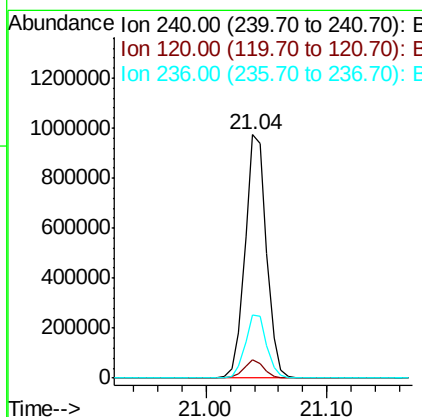
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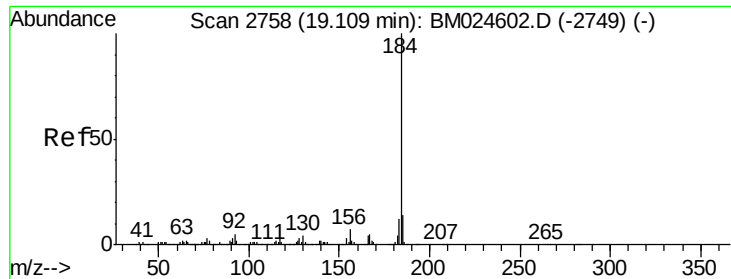
mohammad  
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#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.04 min Scan# 3086  
 Delta R.T. -0.02 min  
 Lab File: BM024713.D  
 Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.4   | 5.3   | 7.9   |
| 236     | 25.8  | 20.6  | 31.0  |





#77

Benzidine

Concen: 45.343 ng

RT: 19.09 min Scan# 2755

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion:184 Resp: 1272858

Ion Ratio Lower Upper

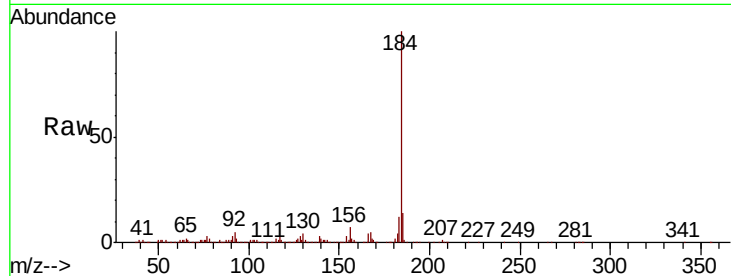
184 100

185 14.2 11.3 16.9

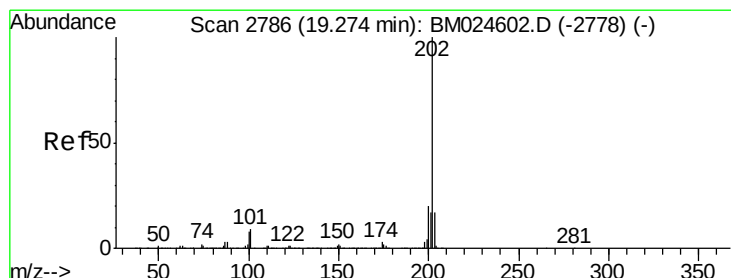
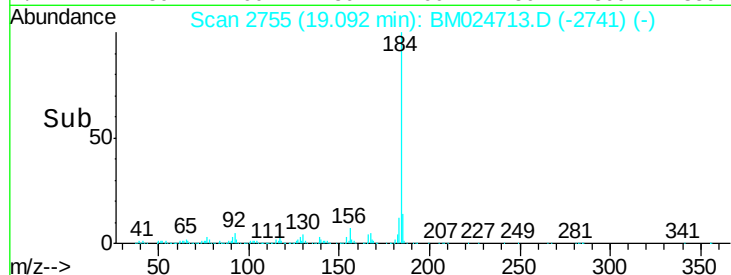
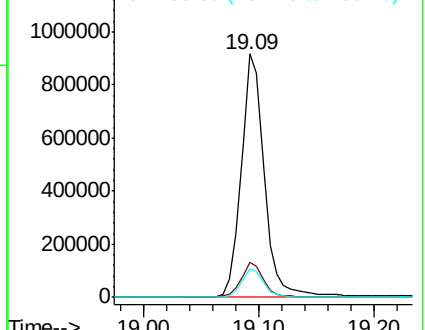
183 11.7 9.6 14.4

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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: 46.477 ng

RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

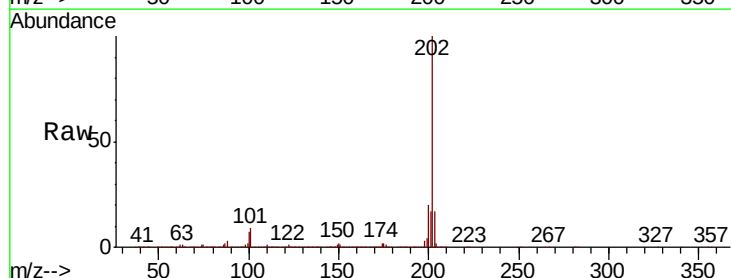
Tgt Ion:202 Resp: 3693260

Ion Ratio Lower Upper

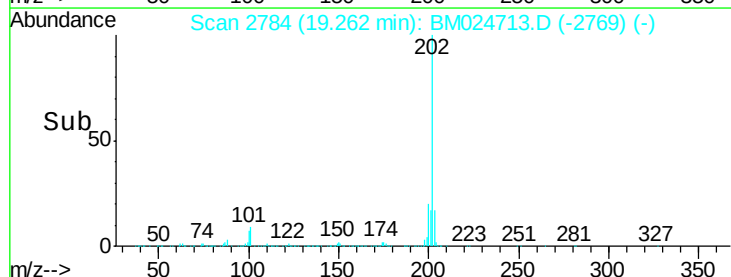
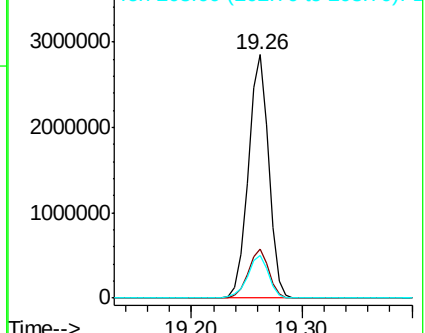
202 100

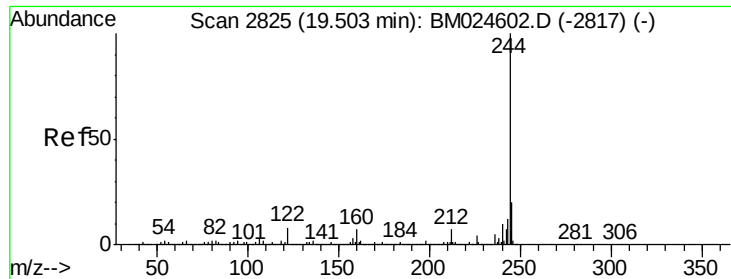
200 20.3 16.2 24.2

203 17.5 14.0 21.0



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: 96.264 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion:244 Resp: 6215445

Ion Ratio Lower Upper

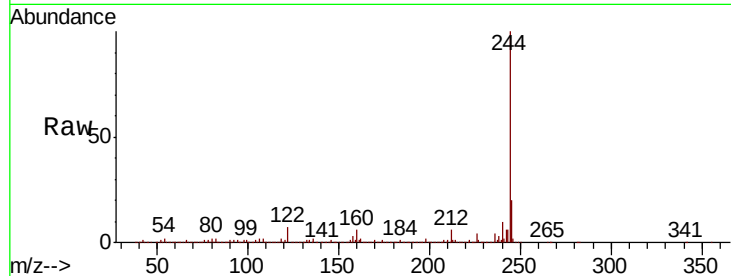
244 100

212 6.5 5.4 8.2

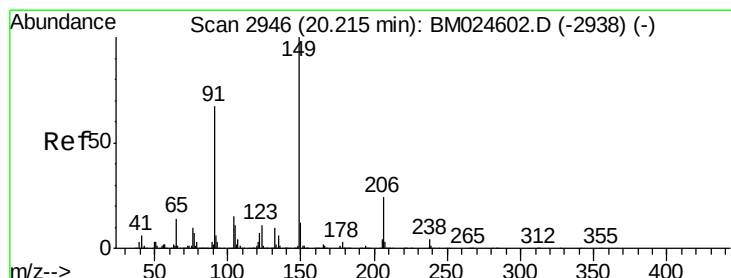
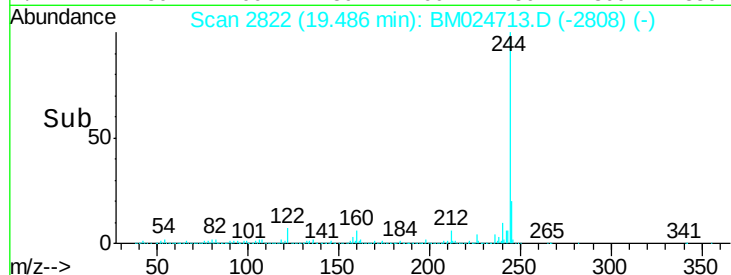
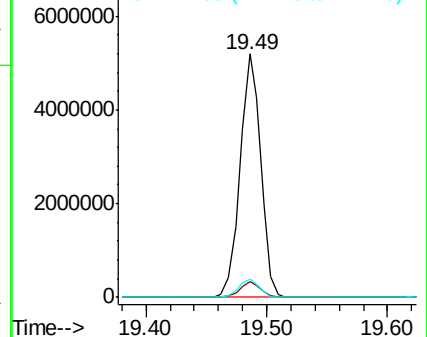
122 7.3 6.2 9.4

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



#80

Butylbenzylphthalate

Concen: 42.691 ng

RT: 20.20 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

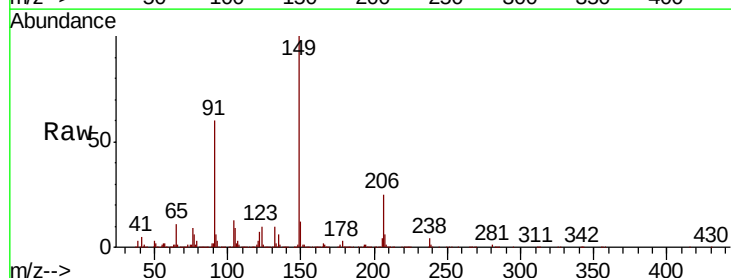
Tgt Ion:149 Resp: 1423501

Ion Ratio Lower Upper

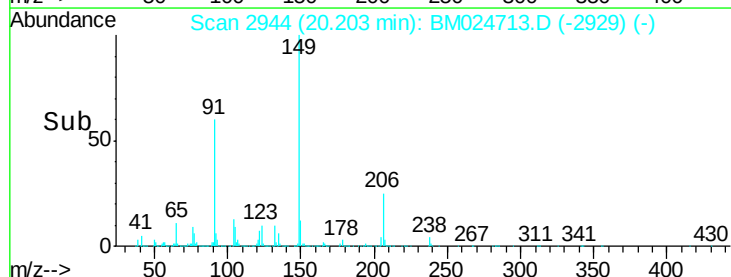
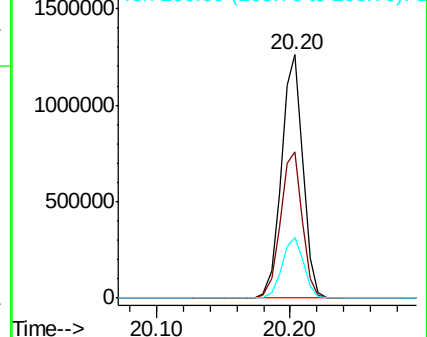
149 100

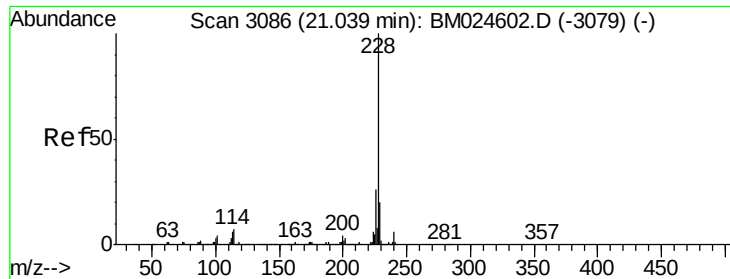
91 60.2 53.9 80.9

206 25.1 19.0 28.6



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM0  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.754 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion:228 Resp: 3995192

Ion Ratio Lower Upper

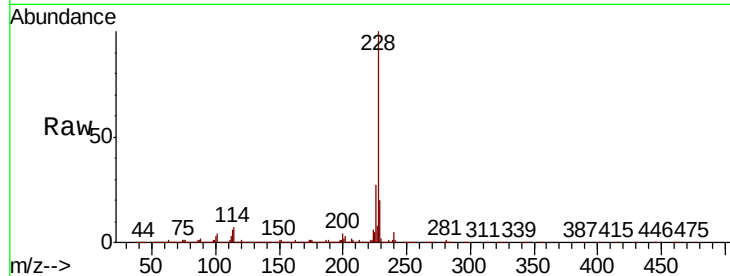
228 100

226 26.6 21.1 31.7

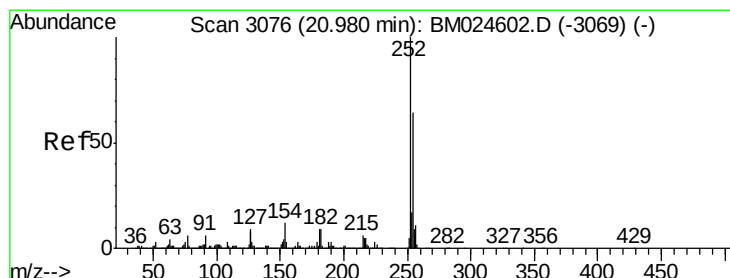
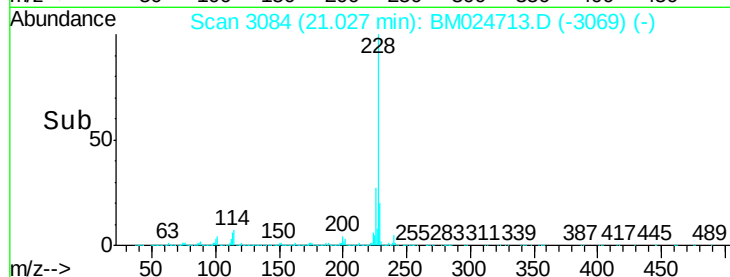
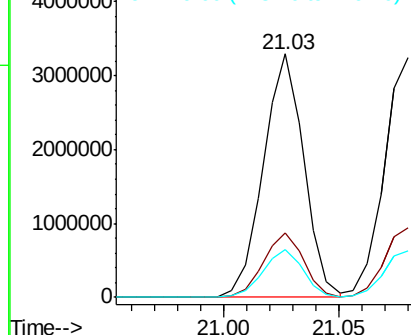
229 19.8 15.8 23.6

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.116 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

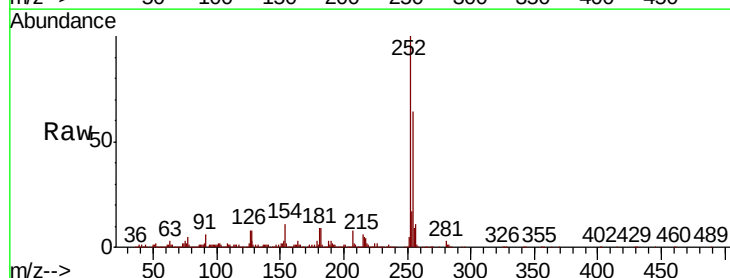
Tgt Ion:252 Resp: 936437

Ion Ratio Lower Upper

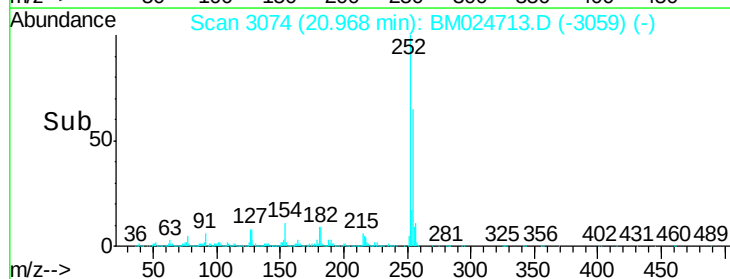
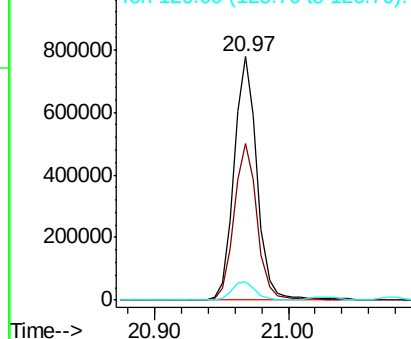
252 100

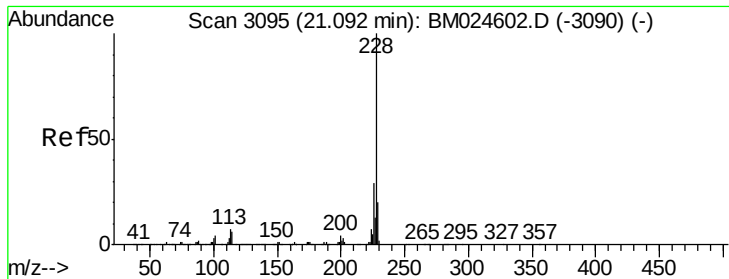
254 64.5 51.5 77.3

126 7.7 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 48.240 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

Instrument :

BNA\_M

ClientSampleId :

SU-02-013120MSD

Tot Ion:228 Resp: 3851018

Ion Ratio Lower Upper

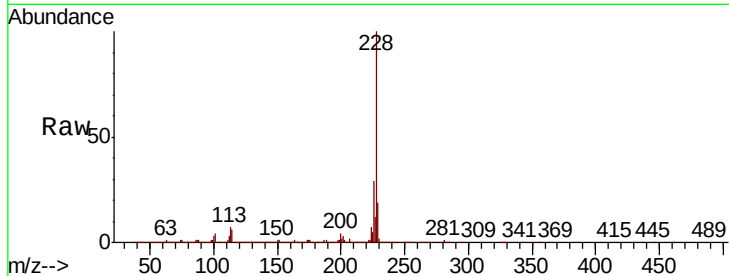
228 100

226 28.8 23.2 34.8

229 19.4 15.7 23.5

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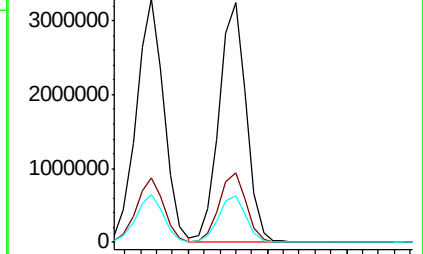
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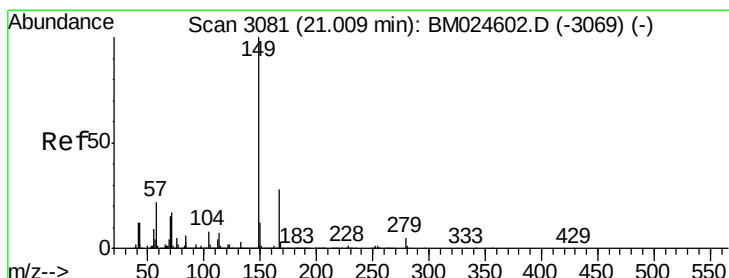
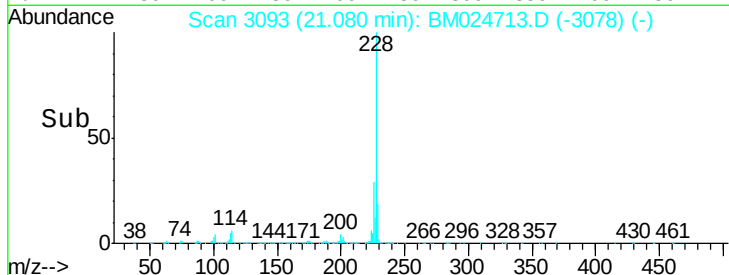
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.269 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024713.D

Acq: 04 Feb 2020 19:08

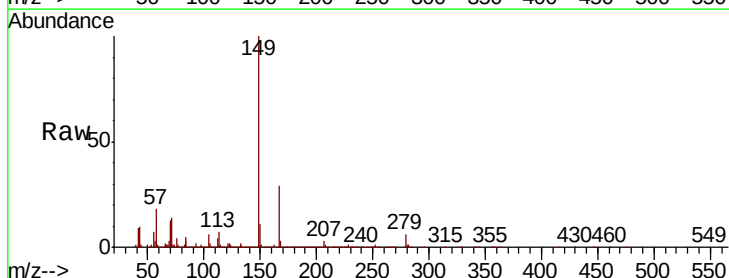
Tgt Ion:149 Resp: 2079635

Ion Ratio Lower Upper

149 100

167 29.4 22.5 33.7

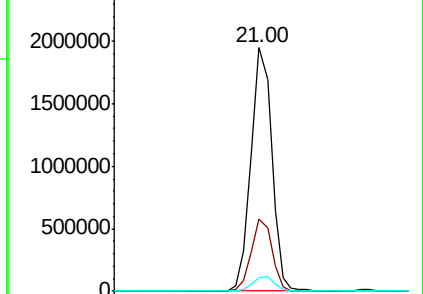
279 5.5 4.0 6.0



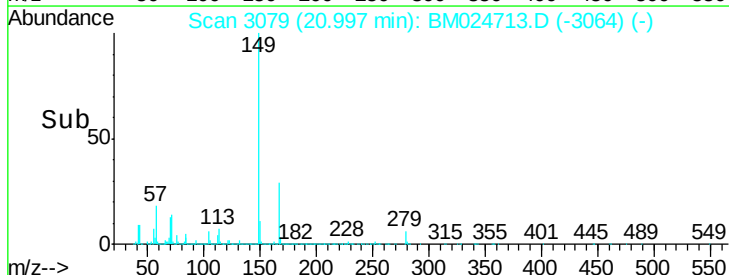
Abundance Ion 149.00 (148.70 to 149.70): E

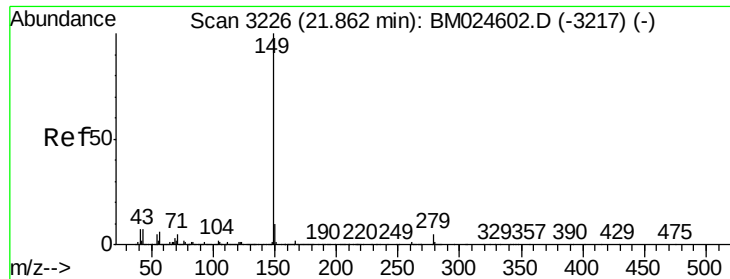
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





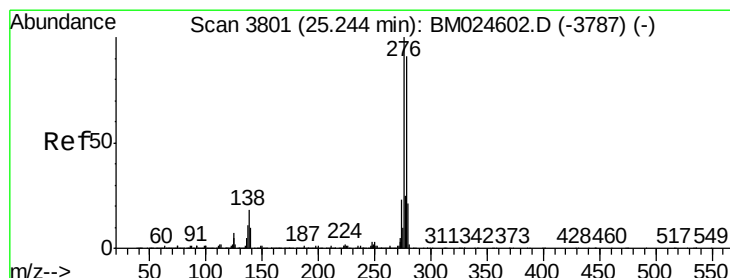
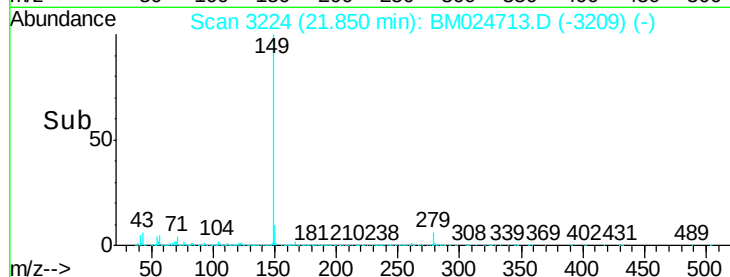
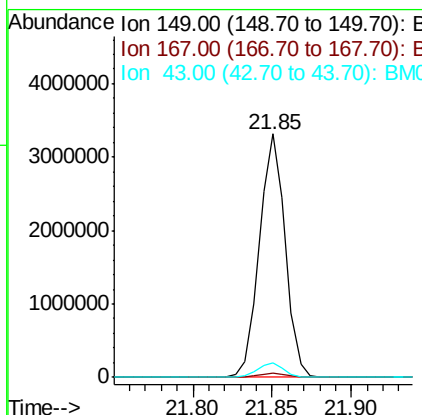
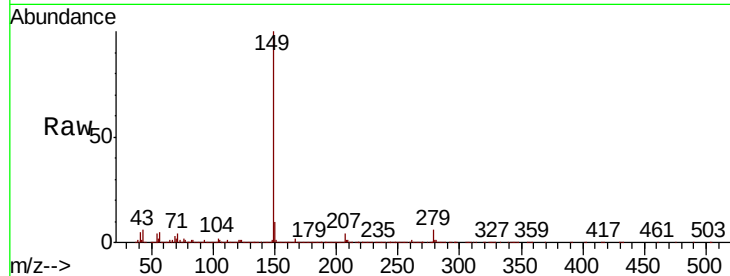
#85  
Di-n-octyl phthalate  
Concen: 46.122 ng  
RT: 21.85 min Scan# 3224  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.3   | 1.9   |
| 43      | 5.8   | 5.8   | 8.6   |

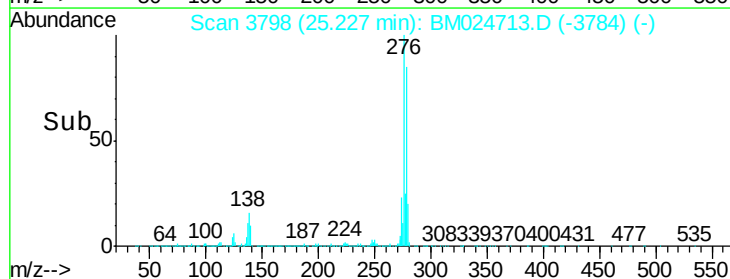
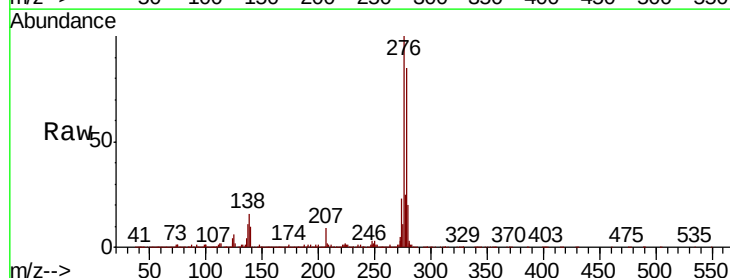
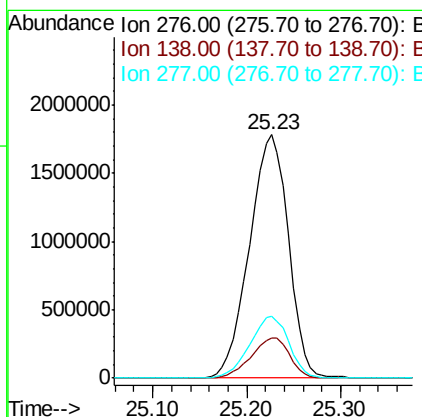
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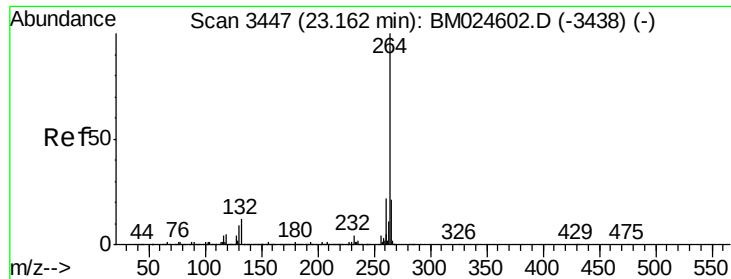
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 58.825 ng  
RT: 25.23 min Scan# 3798  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.4  | 13.4  | 20.0  |
| 277     | 25.3  | 19.6  | 29.4  |





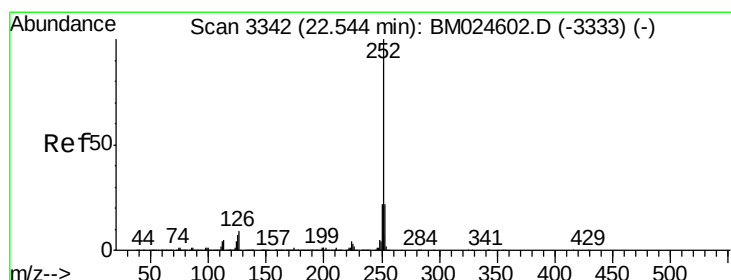
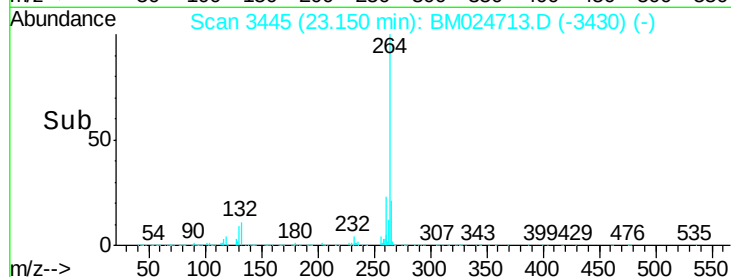
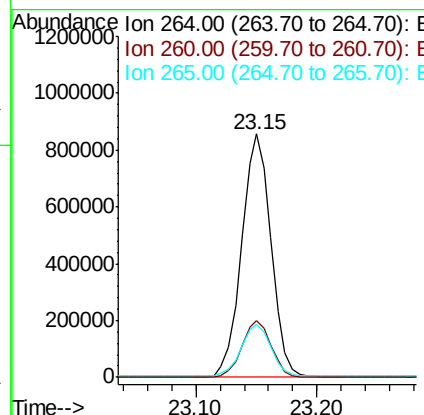
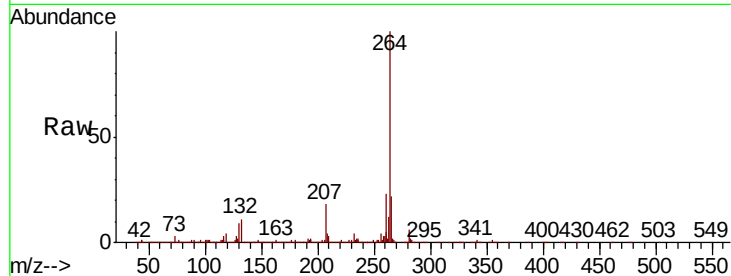
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.15 min Scan# 3445  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.9  | 26.9  |
| 265     | 21.8  | 17.3  | 25.9  |

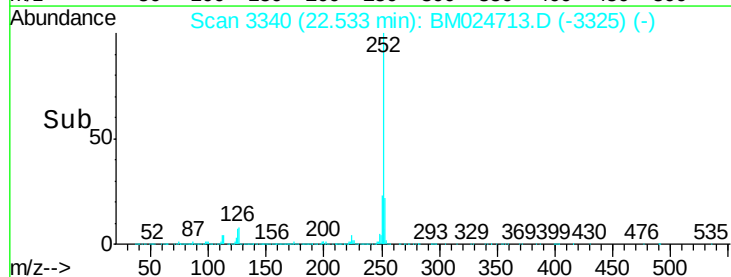
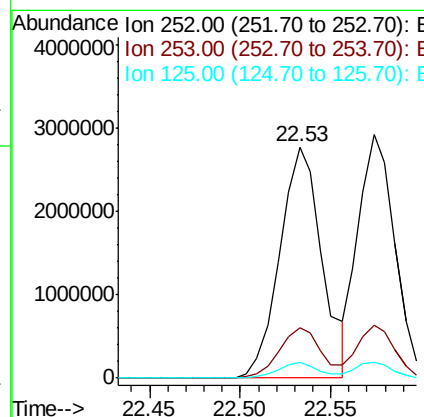
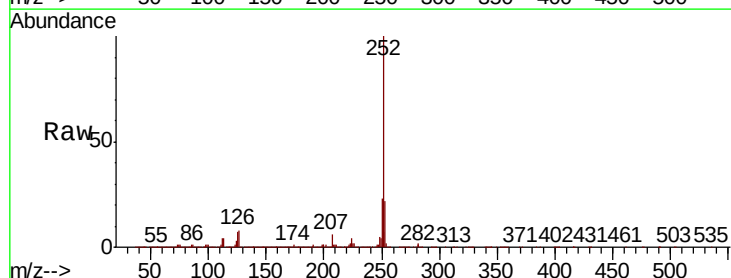
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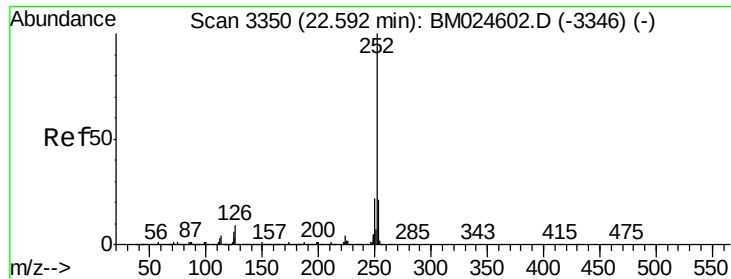


#88  
Benzo(b)fluoranthene  
Concen: 47.695 ng  
RT: 22.53 min Scan# 3340  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.6  | 26.4  |
| 125     | 6.6   | 5.7   | 8.5   |







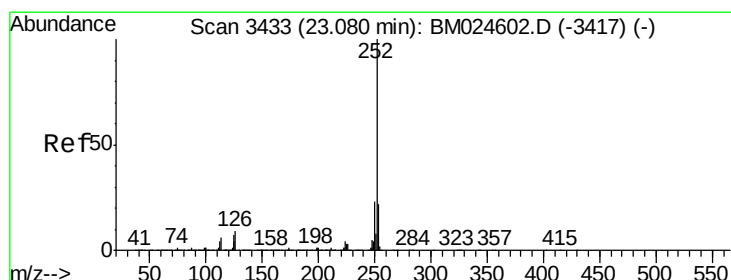
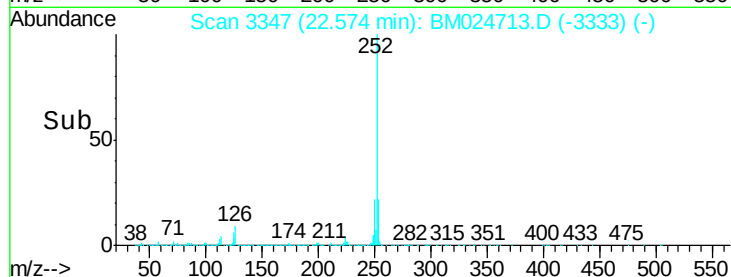
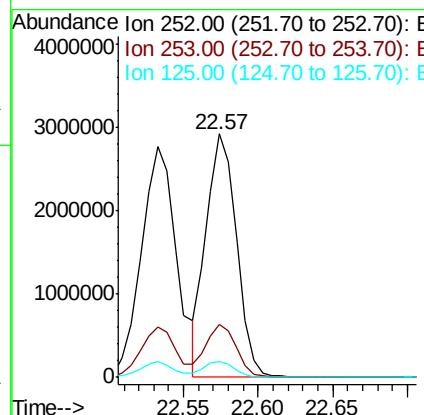
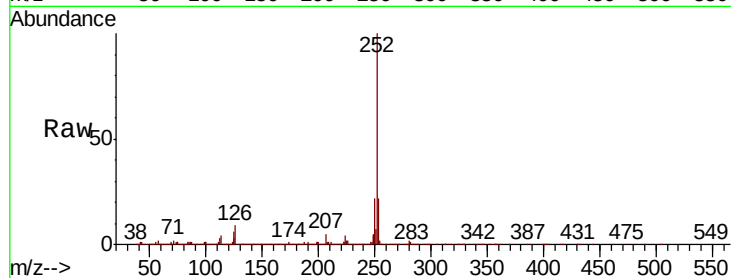
#89  
Benzo(k)fluoranthene  
Concen: 44.567 ng  
RT: 22.57 min Scan# 3347  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 252     | 100  |       |       |       |
| 253     | 21.9 | 17.3  | 25.9  |       |
| 125     | 6.3  | 5.2   | 7.8   |       |

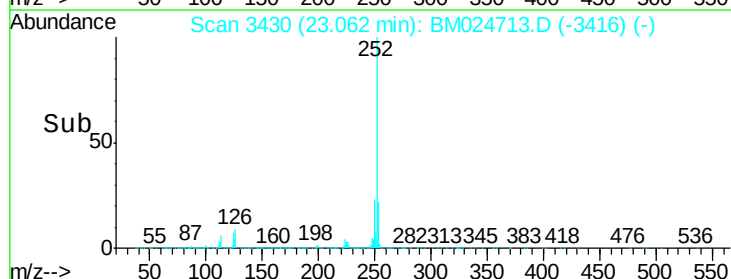
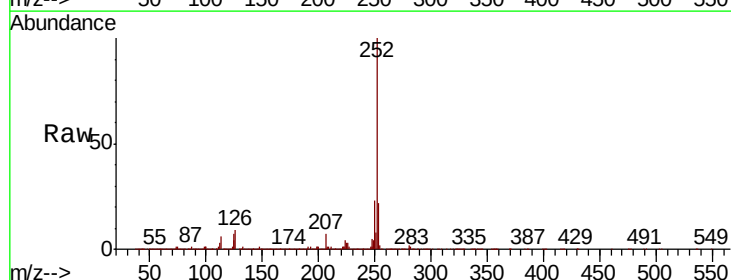
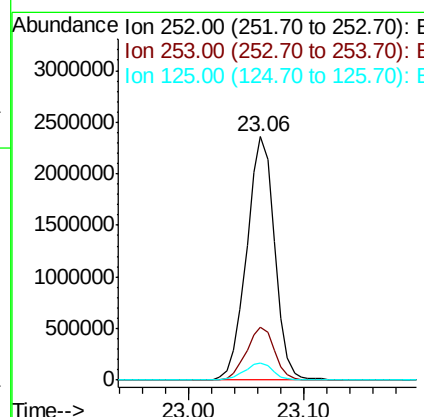
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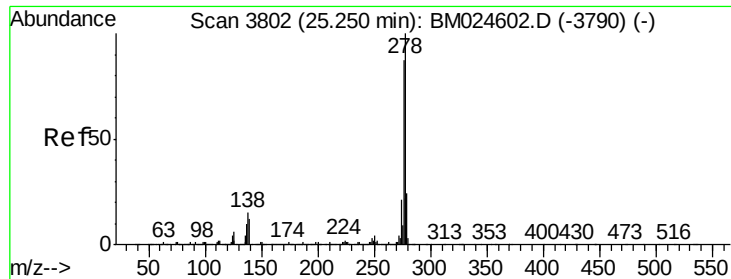
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#90  
Benzo(a)pyrene  
Concen: 46.123 ng  
RT: 23.06 min Scan# 3430  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 252     | 100  |       |       |       |
| 253     | 21.6 | 17.3  | 25.9  |       |
| 125     | 7.1  | 5.8   | 8.8   |       |





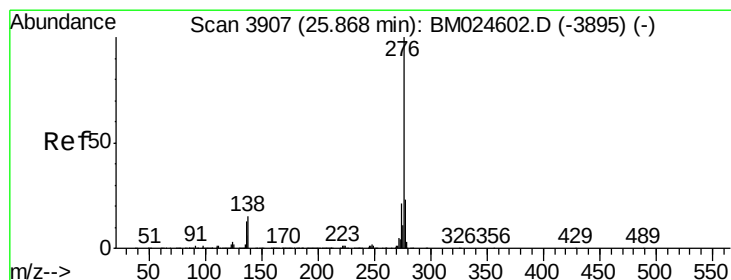
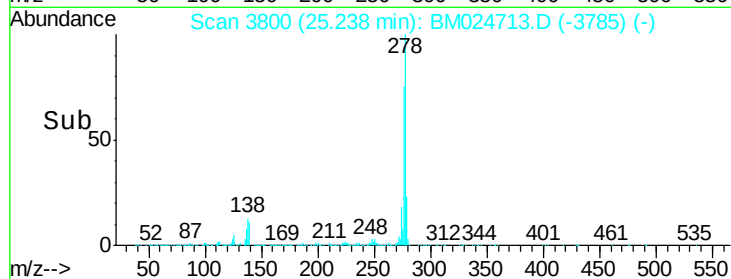
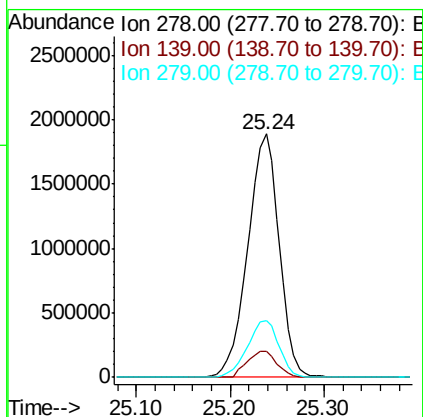
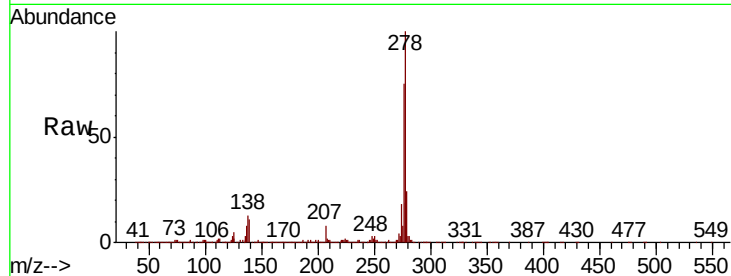
#91  
Dibenzo(a,h)anthracene  
Concen: 53.584 ng  
RT: 25.24 min Scan# 3800  
Delta R.T. -0.01 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

Instrument :  
BNA\_M  
ClientSampleId :  
SU-02-013120MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 10.6  | 9.3   | 13.9  |
| 279     | 23.5  | 18.9  | 28.3  |

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#92  
Benzo(g,h,i)perylene  
Concen: 58.188 ng  
RT: 25.85 min Scan# 3904  
Delta R.T. -0.02 min  
Lab File: BM024713.D  
Acq: 04 Feb 2020 19:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.5  | 18.6  | 28.0  |
| 138     | 13.8  | 11.9  | 17.9  |

