

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\  
 Data File : BM026729.D  
 Acq On : 10 Jul 2020 12:07  
 Operator : JU/CG  
 Sample : L3160-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Manual Integrations  
 APPROVED

mohammad  
 7/13/2020 1:02:43 PM

Quant Time: Jul 10 12:48:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 10 10:38:33 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.32  | 152  | 76546    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.07 | 136  | 270732   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 13.98 | 164  | 151409   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.74 | 188  | 302778   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 20.96 | 240  | 360712   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.03 | 264  | 389192   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 4.96  | 112 | 576836  | 126.31 | ng | 0.00 |
| 7) Phenol-d6             | 6.53  | 99  | 756039  | 103.90 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.47  | 82  | 529644  | 83.46  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.49 | 330 | 250035  | 113.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.59 | 172 | 971187  | 85.29  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.40 | 244 | 1566287 | 85.46  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.95  | 88  | 110444  | 50.332 | ng | 97     |
| 3) Pyridine                    | 3.33  | 79  | 273263  | 43.540 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.25  | 42  | 181491  | 48.313 | ng | 99     |
| 6) Aniline                     | 6.67  | 93  | 291646  | 32.656 | ng | 98     |
| 8) 2-Chlorophenol              | 6.89  | 128 | 242573  | 44.590 | ng | 98     |
| 9) Benzaldehyde                | 6.48  | 77  | 99349   | 24.601 | ng | 95     |
| 10) Phenol                     | 6.56  | 94  | 320514  | 44.569 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.77  | 93  | 245437  | 40.818 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.21  | 146 | 270651  | 45.770 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.35  | 146 | 277273  | 46.066 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.66  | 146 | 263951  | 44.021 | ng | 99     |
| 15) Benzyl Alcohol             | 7.57  | 79  | 237940  | 38.218 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.86  | 45  | 467307  | 37.654 | ng | 99     |
| 17) 2-Methylphenol             | 7.79  | 107 | 201263  | 36.826 | ng | 98     |
| 18) Hexachloroethane           | 8.37  | 117 | 112258  | 46.959 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.13  | 70  | 214017  | 35.350 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.11  | 107 | 265169  | 35.292 | ng | 99     |
| 22) Acetophenone               | 8.15  | 105 | 365294  | 47.481 | ng | # 96   |
| 24) Nitrobenzene               | 8.51  | 77  | 313142  | 46.906 | ng | 100    |
| 25) Isophorone                 | 9.03  | 82  | 508687  | 41.803 | ng | 99     |
| 26) 2-Nitrophenol              | 9.21  | 139 | 123896  | 50.284 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.29  | 122 | 194030  | 48.427 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 9.52  | 93  | 303164  | 45.097 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 9.75  | 162 | 208777  | 47.316 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 9.95  | 180 | 238240  | 48.398 | ng | 97     |
| 31) Naphthalene                | 10.13 | 128 | 1047293 | 69.551 | ng | 98     |
| 32) Benzoic acid               | 9.47  | 122 | 127809  | 38.412 | ng | 97     |
| 33) 4-Chloroaniline            | 10.26 | 127 | 120425  | 18.282 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.42 | 225 | 154203  | 47.300 | ng | 99     |
| 35) Caprolactam                | 11.05 | 113 | 60809m  | 38.905 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.40 | 107 | 235318  | 42.197 | ng | 97     |
| 37) 2-Methylnaphthalene        | 11.75 | 142 | 500739  | 44.892 | ng | 99     |
| 38) 1-Methylnaphthalene        | 11.97 | 142 | 469160  | 43.902 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.14 | 216 | 253322  | 51.755 | ng | 99     |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Manual Integrations  
 APPROVED

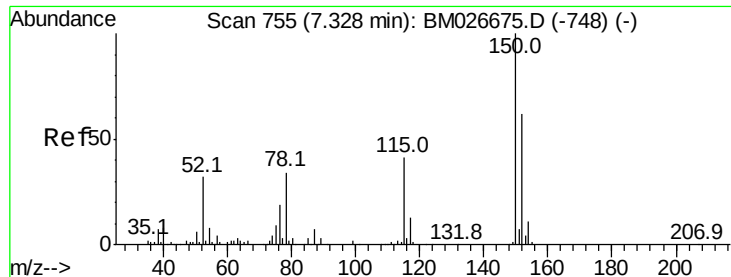
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 7/13/2020 1:02:43 PM

Quant Time: Jul 10 12:48:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 10 10:38:33 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.12 | 237  | 303779   | 108.186 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.40 | 196  | 162364   | 50.639  | ng    | 95       |
| 44) 2,4,5-Trichlorophenol      | 12.47 | 196  | 174956   | 46.436  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 12.80 | 154  | 596768   | 49.898  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 12.83 | 162  | 467707   | 48.410  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.06 | 65   | 180966   | 45.514  | ng    | 98       |
| 49) Acenaphthylene             | 13.70 | 152  | 721715   | 46.728  | ng    | 100      |
| 50) Dimethylphthalate          | 13.46 | 163  | 688089   | 53.132  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.58 | 165  | 123058   | 44.374  | ng    | 99       |
| 52) Acenaphthene               | 14.04 | 154  | 435081   | 46.351  | ng    | 100      |
| 53) 3-Nitroaniline             | 13.91 | 138  | 78533    | 27.221  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.13 | 184  | 150406   | 78.408  | ng    | 98       |
| 55) Dibenzofuran               | 14.39 | 168  | 697371   | 45.311  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.25 | 139  | 205619   | 81.671  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.39 | 165  | 173220   | 43.278  | ng    | 98       |
| 58) Fluorene                   | 15.04 | 166  | 564265   | 44.281  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.63 | 232  | 153609   | 46.685  | ng    | 99       |
| 60) Diethylphthalate           | 14.85 | 149  | 571610   | 41.741  | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.05 | 204  | 289336   | 41.909  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.09 | 138  | 121182m  | 36.736  | ng    |          |
| 63) Azobenzene                 | 15.34 | 77   | 663956   | 44.143  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.16 | 198  | 100987   | 45.712  | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 15.27 | 169  | 477257   | 49.602  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 15.94 | 248  | 174451   | 46.289  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.06 | 284  | 192082   | 48.426  | ng    | 95       |
| 69) Atrazine                   | 16.24 | 200  | 157921   | 54.581  | ng    | 99       |
| 70) Pentachlorophenol          | 16.40 | 266  | 234521   | 104.515 | ng    | 98       |
| 71) Phenanthrene               | 16.79 | 178  | 850337   | 47.573  | ng    | 99       |
| 72) Anthracene                 | 16.87 | 178  | 868852   | 48.828  | ng    | 99       |
| 73) Carbazole                  | 17.16 | 167  | 779131   | 45.927  | ng    | 99       |
| 74) Di-n-butylphthalate        | 17.74 | 149  | 990588   | 46.438  | ng    | 100      |
| 75) Fluoranthene               | 18.82 | 202  | 1041224  | 47.295  | ng    | 99       |
| 77) Benzidine                  | 19.02 | 184  | 506822   | 71.269  | ng    | 98       |
| 78) Pyrene                     | 19.18 | 202  | 1052572  | 46.322  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.12 | 149  | 471853   | 46.274  | ng    | 96       |
| 81) Benzo(a)anthracene         | 20.94 | 228  | 1118491  | 46.162  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 20.89 | 252  | 261417   | 33.993  | ng    | 96       |
| 83) Chrysene                   | 21.00 | 228  | 1105212  | 46.865  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 734855   | 44.985  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 21.76 | 149  | 1321320  | 47.323  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene     | 25.04 | 276  | 1535044  | 55.403  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.43 | 252  | 1217777  | 47.488  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.47 | 252  | 1259667  | 50.079  | ng    | 99       |
| 90) Benzo(a)pyrene             | 22.94 | 252  | 1158488  | 48.664  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.04 | 278  | 1295078  | 55.370  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 25.64 | 276  | 1232145  | 57.174  | ng    | 98       |

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





#1

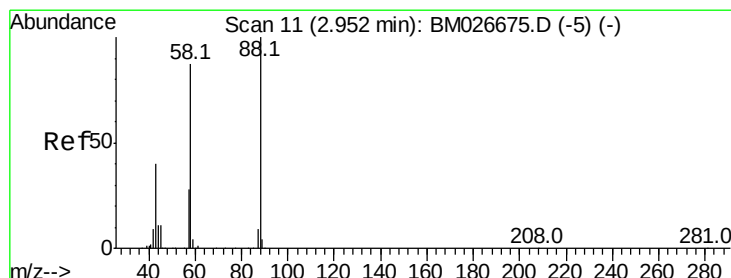
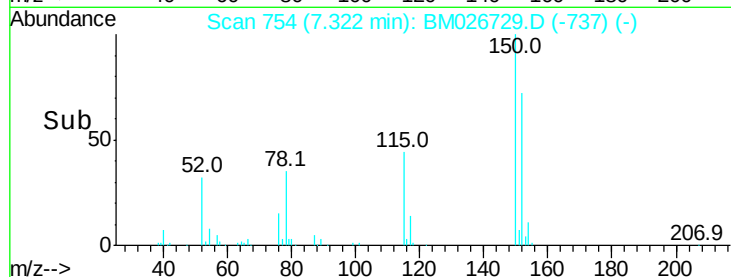
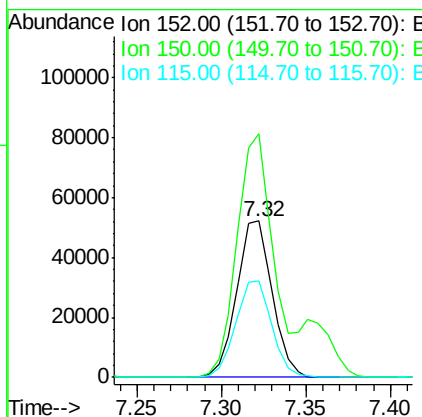
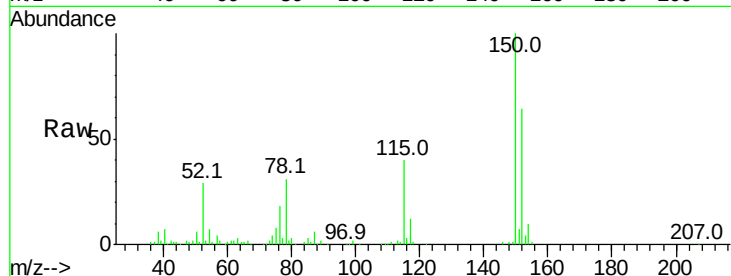
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.32 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 128.1 | 192.1 |
| 115     | 61.7  | 52.2  | 78.4  |

Manual Integrations  
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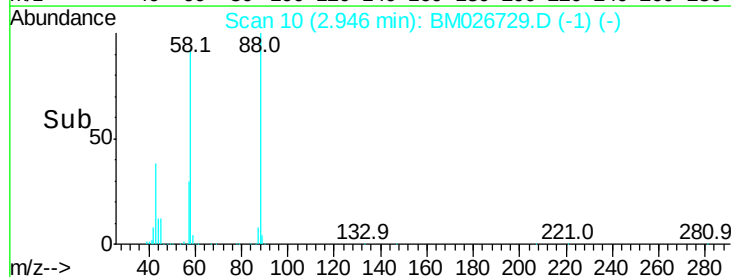
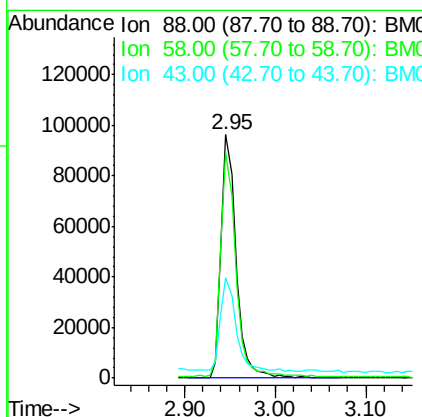
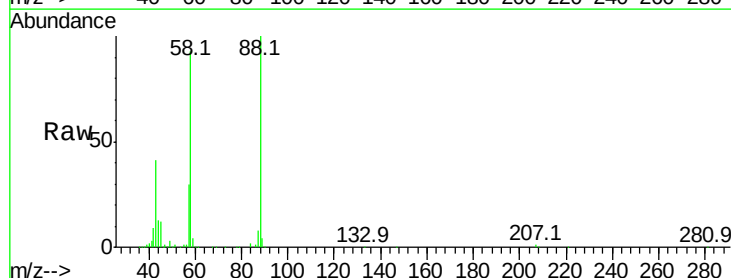
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7/13/2020 1:02:43 PM

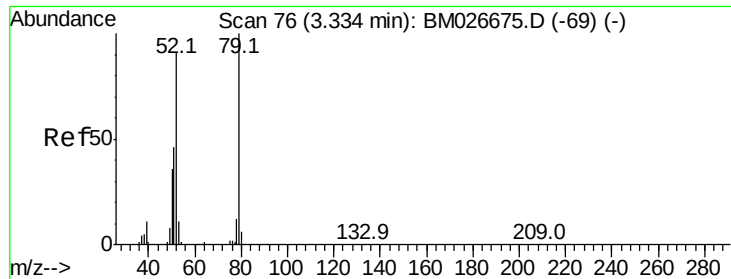


#2

1,4-Dioxane  
Concen: 50.332 ng  
RT: 2.95 min Scan# 10  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 89.5  | 73.2  | 109.8 |
| 43      | 38.8  | 34.3  | 51.5  |





#3

Pvridine

Concen: 43.540 ng

RT: 3.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

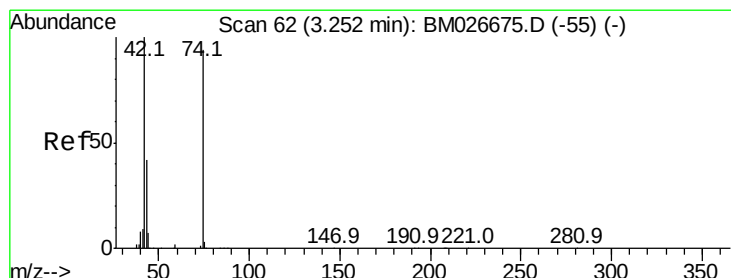
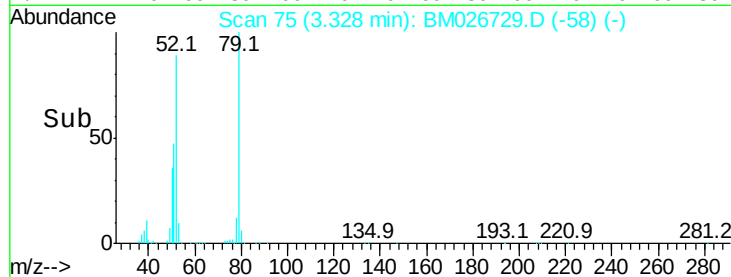
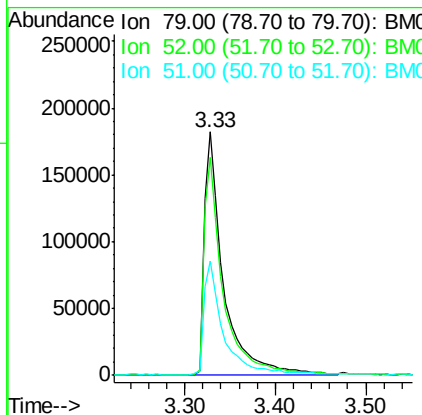
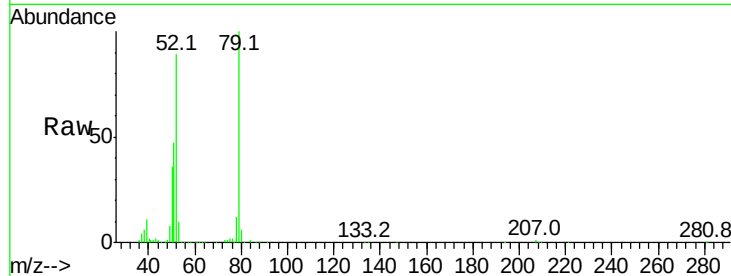
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 273263 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 89.5  | 72.9  | 109.3  |
| 51        | 47.1  | 37.6  | 56.4   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 48.313 ng

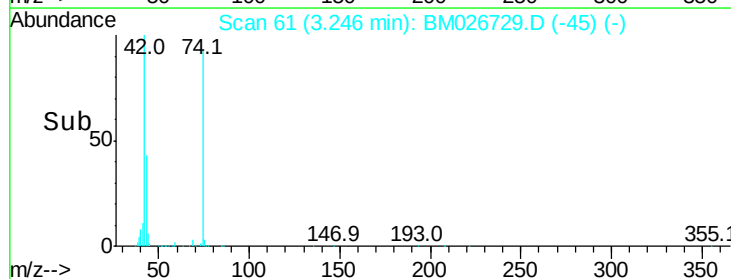
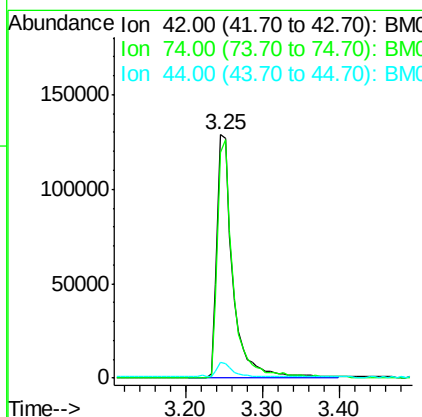
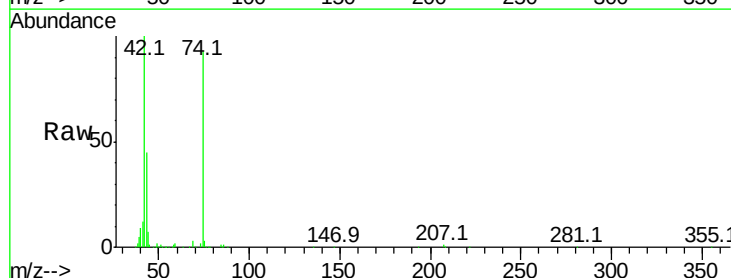
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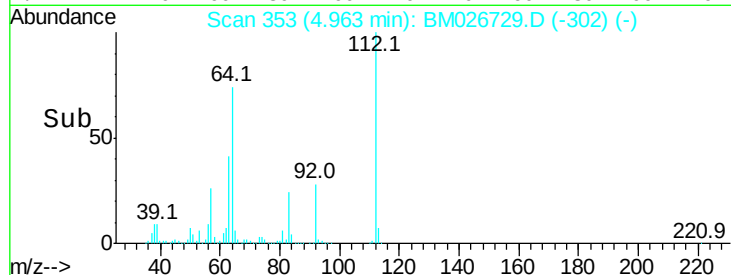
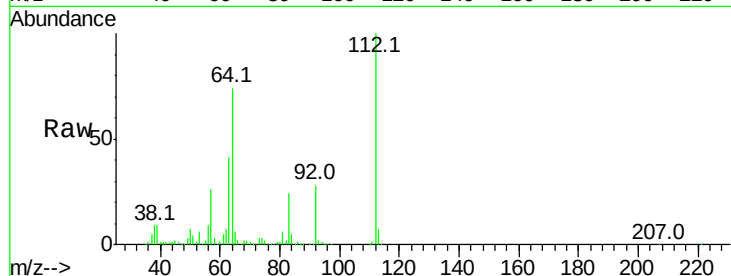
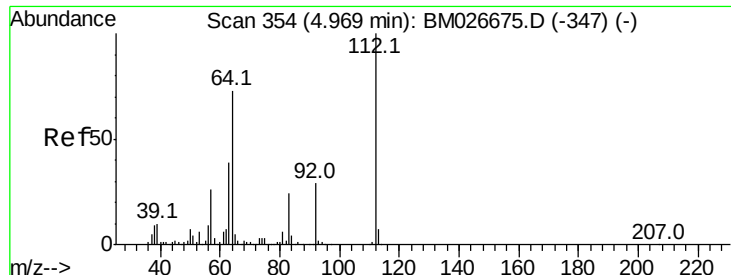
Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 181491 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 92.7  | 75.1  | 112.7  |
| 44        | 6.6   | 5.7   | 8.5    |





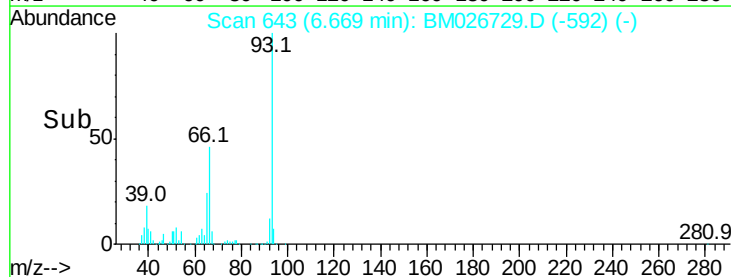
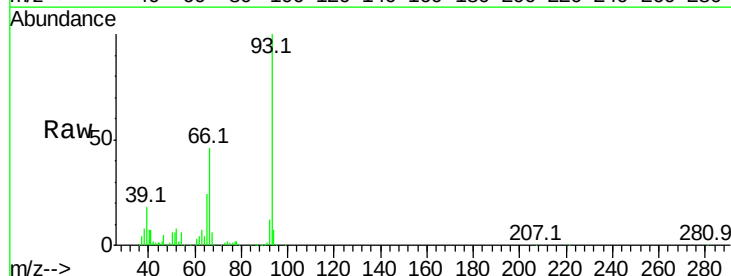
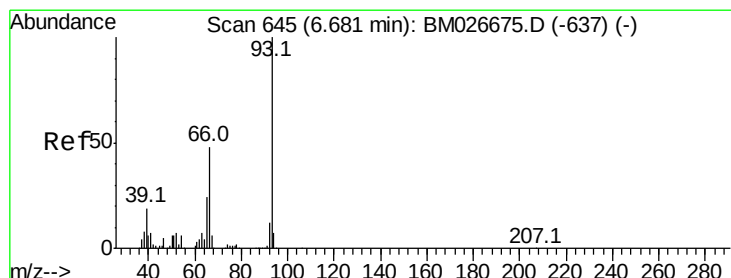
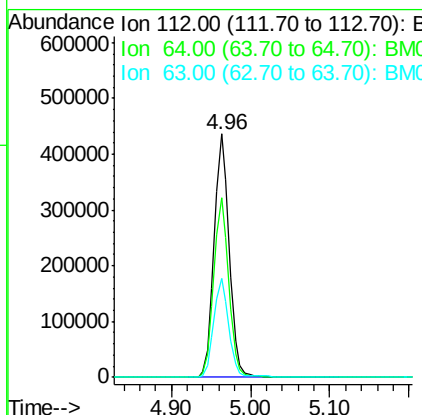
#5  
2-Fluorophenol  
Concen: 126.307 ng  
RT: 4.96 min Scan# 353  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 576836 |       |       |
| 64      | 73.9  | 58.4   | 87.6  |       |
| 63      | 40.7  | 31.5   | 47.3  |       |

Instrument :  
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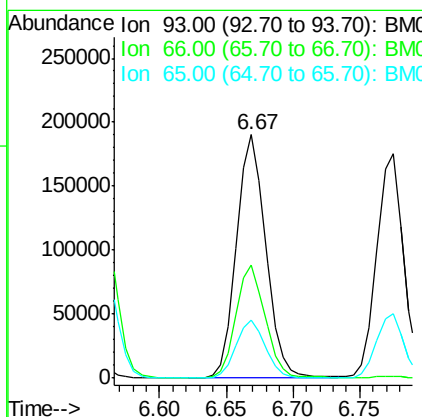
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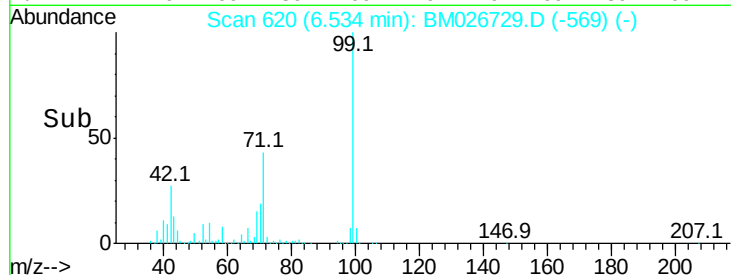
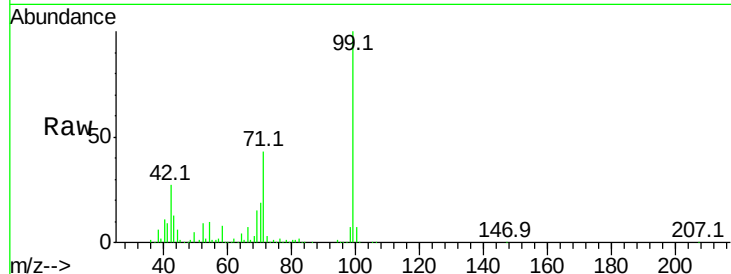
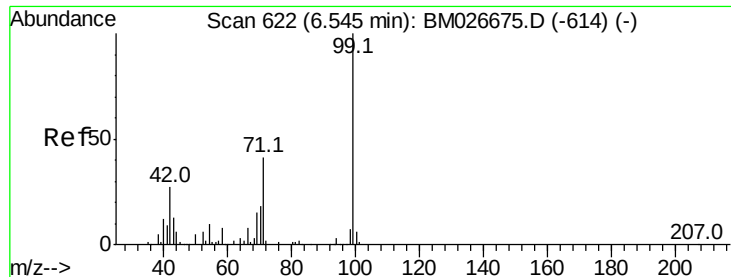
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#6  
Aniline  
Concen: 32.656 ng  
RT: 6.67 min Scan# 643  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 291646 |       |       |
| 66      | 46.3  | 38.2   | 57.4  |       |
| 65      | 24.1  | 19.6   | 29.4  |       |





#7

Phenol-d6

Concen: 103.905 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 756039 |       |       |
| 42      | 26.8 | 21.7  | 32.5   |       |       |
| 71      | 42.5 | 33.2  | 49.8   |       |       |

Instrument :

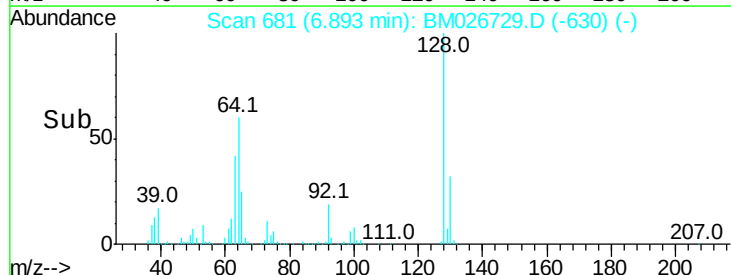
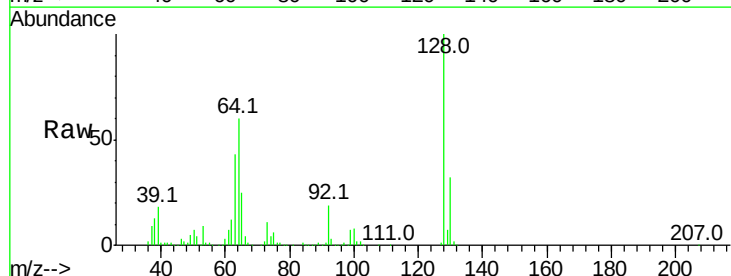
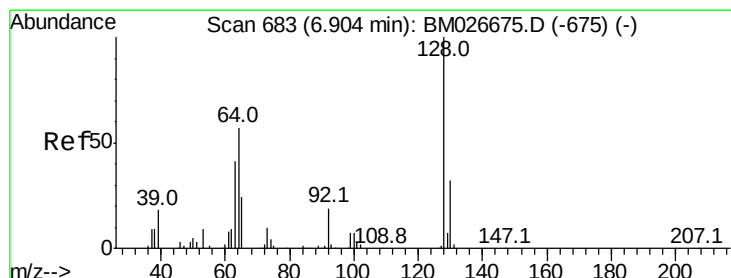
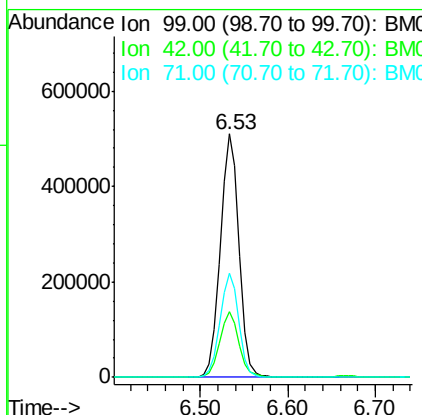
BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 44.590 ng

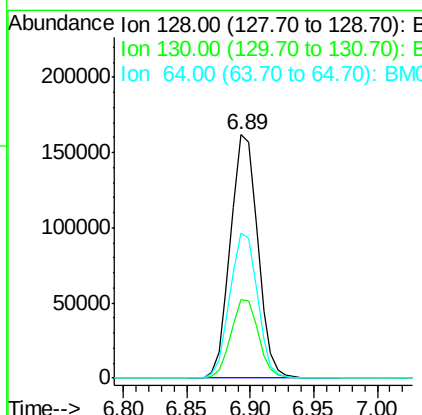
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Delta R.T. -0.00 min

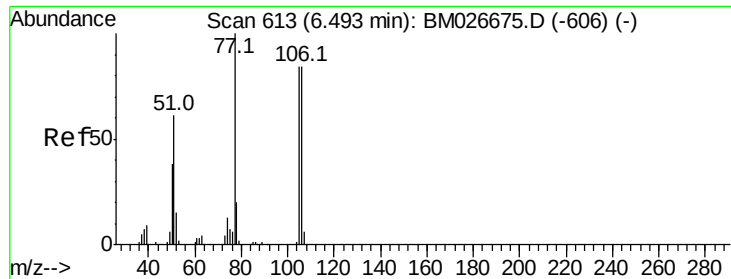
Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 242573 |       |       |
| 130     | 32.3 | 12.2  | 52.2   |       |       |
| 64      | 59.7 | 41.4  | 81.4   |       |       |







#9

Benzaldehyde

Concen: 24.601 ng

RT: 6.48 min Scan# 611

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion: 77 Resp: 99349

Ion Ratio Lower Upper

77 100

105 92.3 64.4 104.4

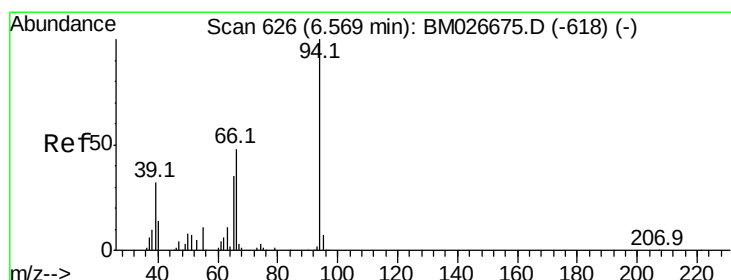
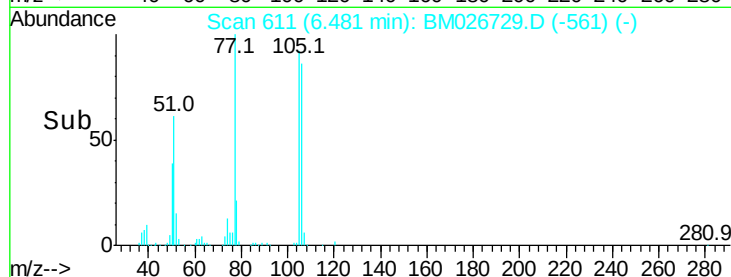
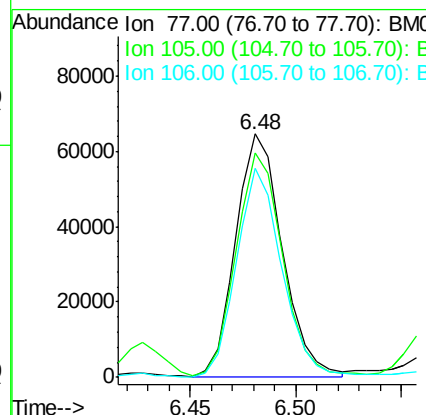
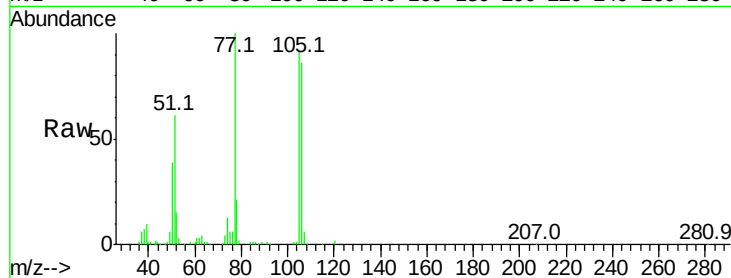
106 86.0 64.3 104.3

Manual Integrations

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#10

Phenol

Concen: 44.569 ng

RT: 6.56 min Scan# 624

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

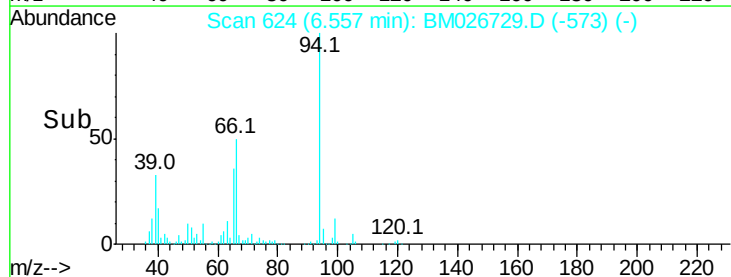
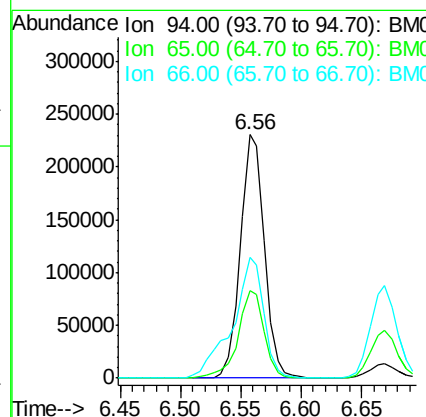
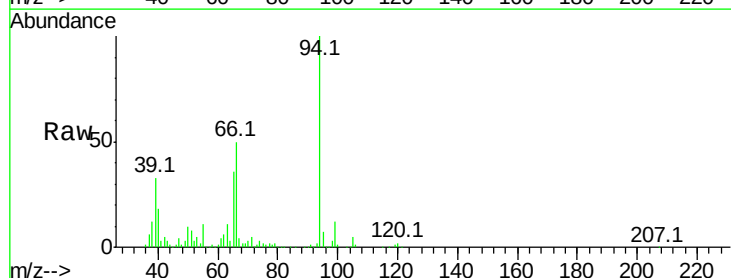
Tgt Ion: 94 Resp: 320514

Ion Ratio Lower Upper

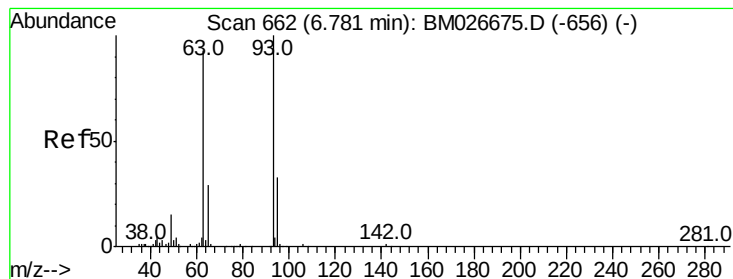
94 100

65 36.0 15.5 55.5

66 49.6 29.8 69.8







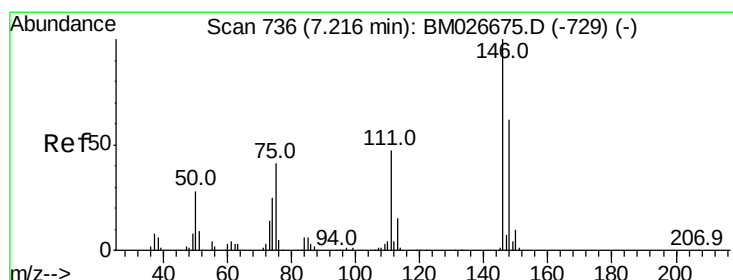
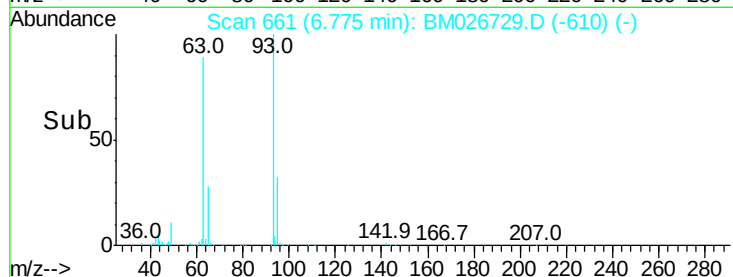
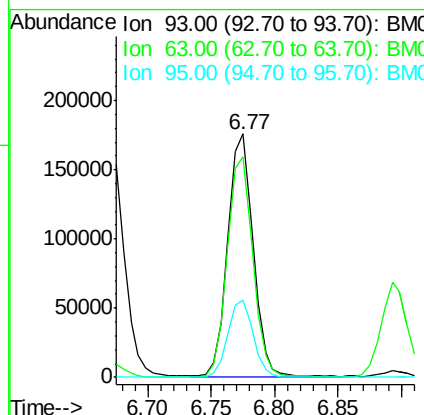
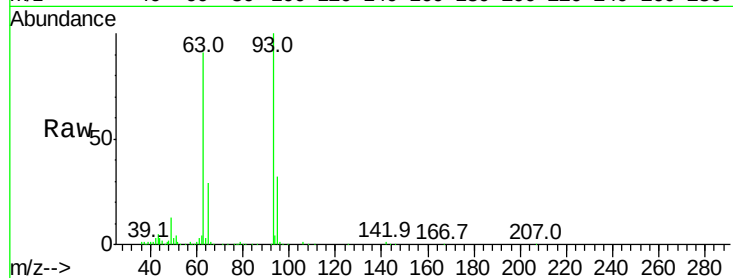
#11  
bis(2-Chloroethyl)ether  
Concen: 40.818 ng  
RT: 6.77 min Scan# 661  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.8  | 72.6  | 112.6 |
| 95      | 31.8  | 12.3  | 52.3  |

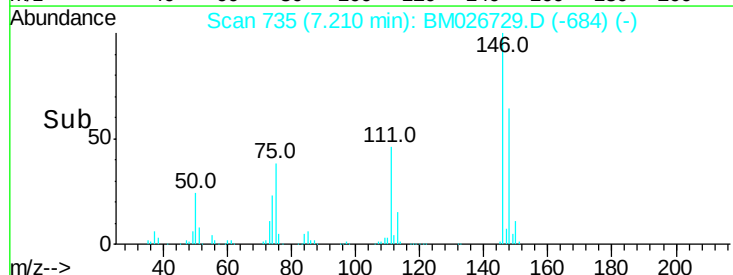
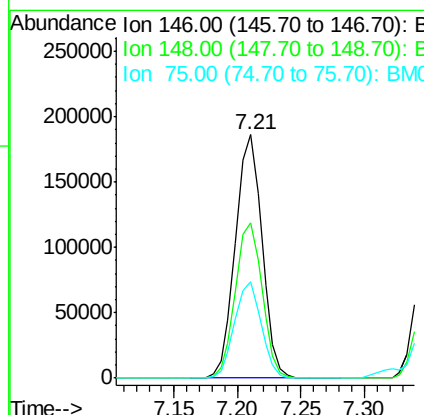
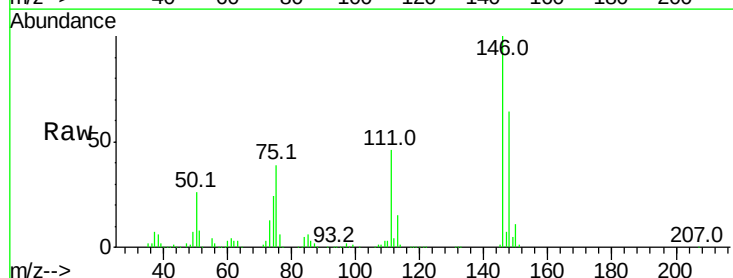
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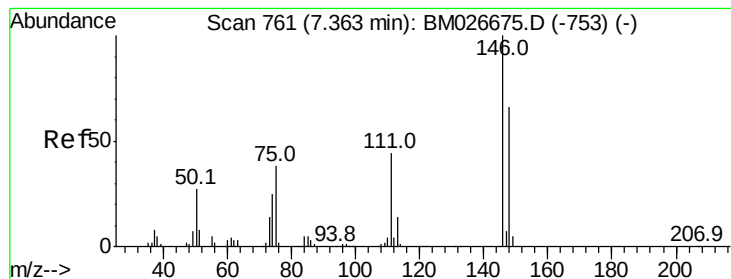
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 45.770 ng  
RT: 7.21 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.8  | 49.7  | 74.5  |
| 75      | 39.4  | 32.7  | 49.1  |





#13

1,4-Dichlorobenzene

Concen: 46.066 ng

RT: 7.35 min Scan# 759

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

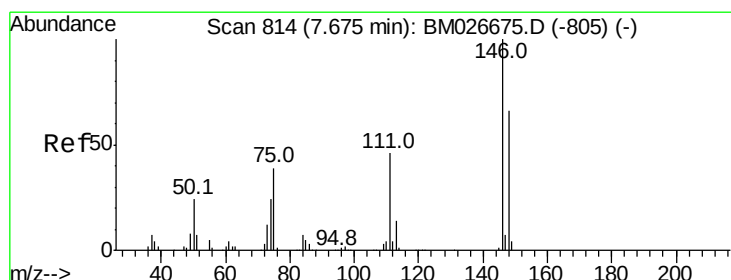
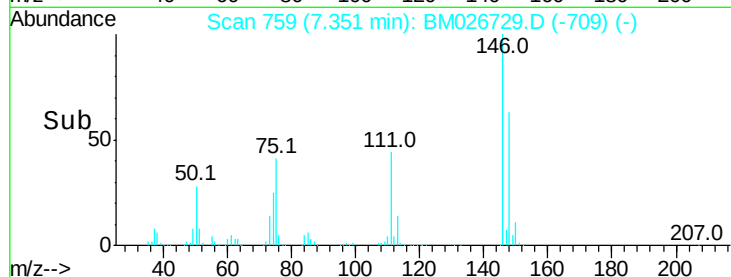
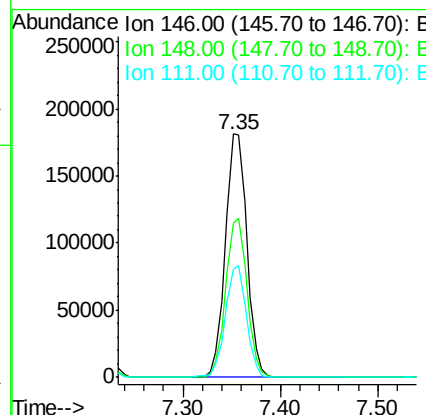
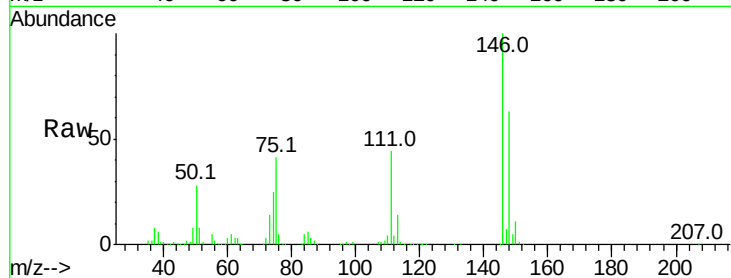
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 277273 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.2  | 52.4  | 78.6   |
| 111       | 44.3  | 35.6  | 53.4   |

Manual Integrations  
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#14

1,2-Dichlorobenzene

Concen: 44.021 ng

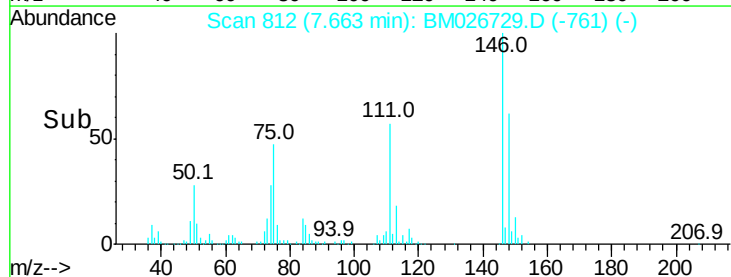
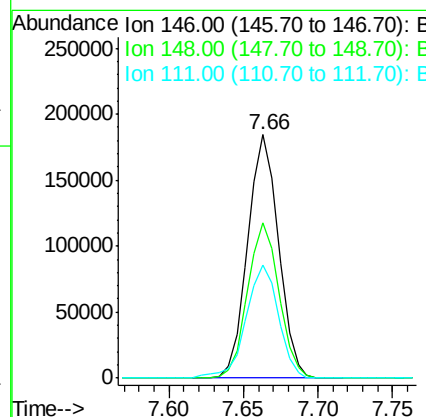
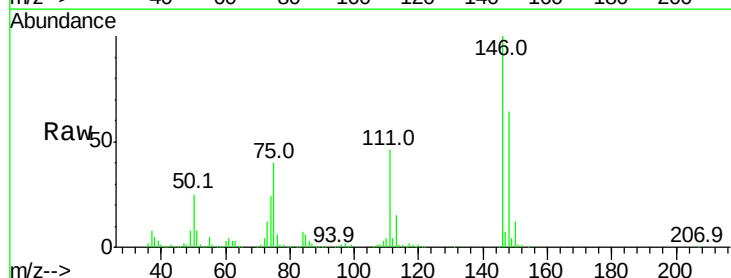
RT: 7.66 min Scan# 812

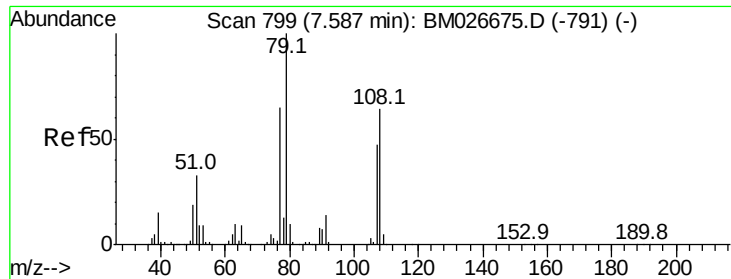
Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 263951 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 52.6  | 78.8   |
| 111       | 46.4  | 37.2  | 55.8   |





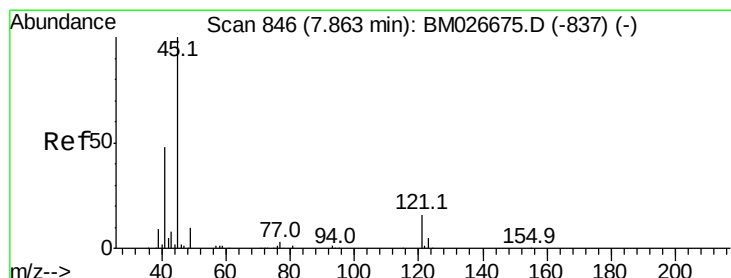
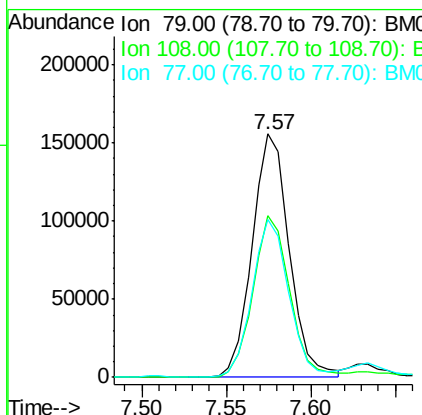
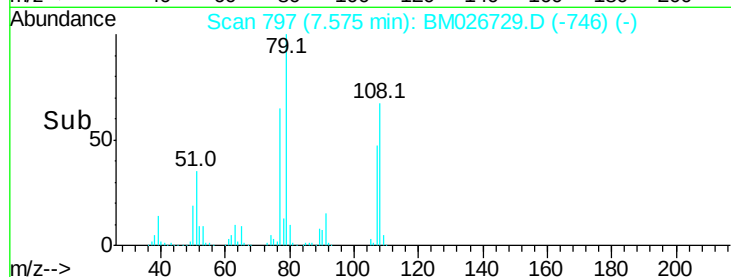
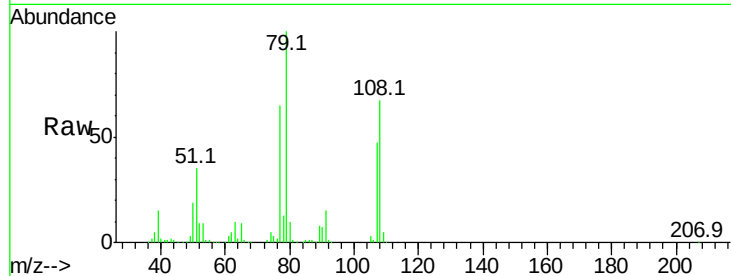
#15  
Benzyl Alcohol  
Concen: 38.218 ng  
RT: 7.57 min Scan# 797  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 66.6  | 51.0  | 76.4  |
| 77      | 64.7  | 52.1  | 78.1  |

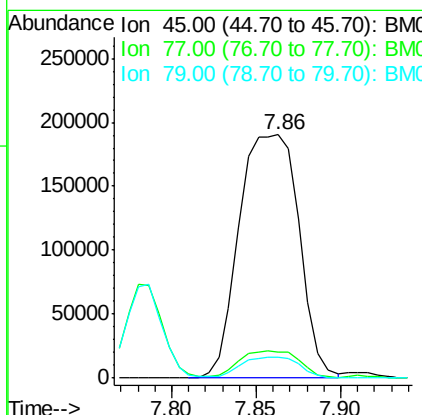
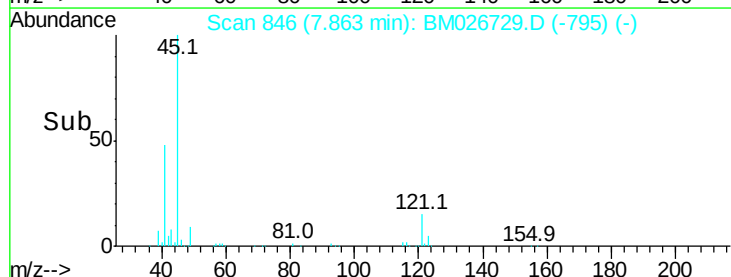
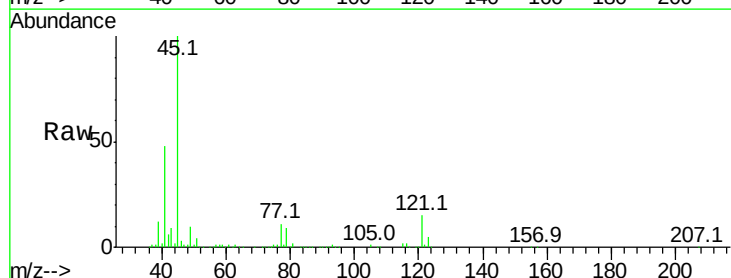
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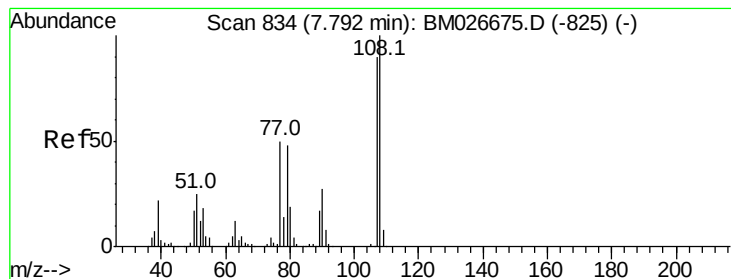
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.654 ng  
RT: 7.86 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 10.9  | 0.0   | 31.4  |
| 79      | 8.8   | 0.0   | 28.4  |





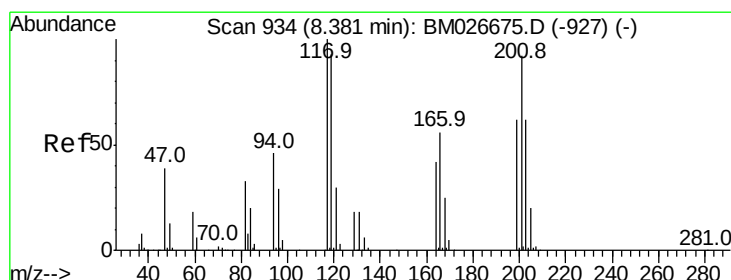
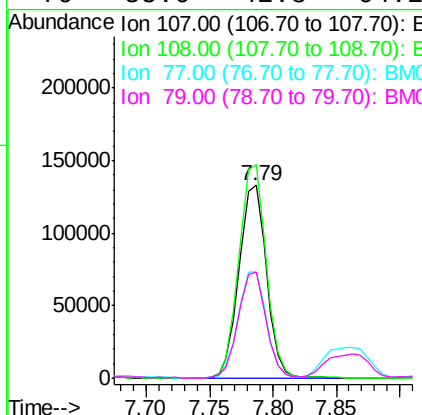
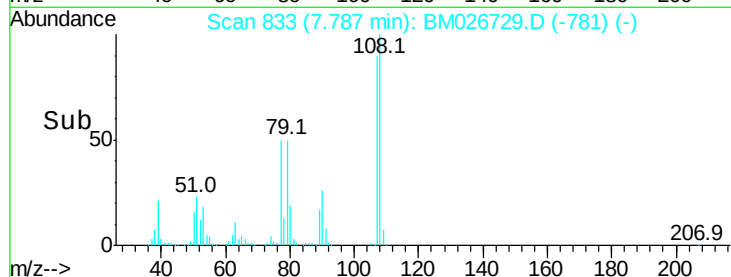
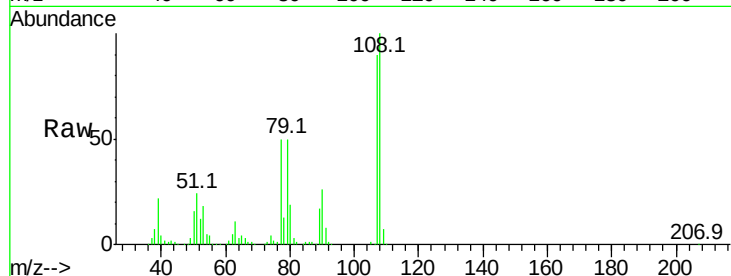
#17  
2-Methylphenol  
Concen: 36.826 ng  
RT: 7.79 min Scan# 833  
Delta R.T. 0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.5 | 89.4 | 134.0 |       |
| 77      | 54.7  | 45.2 | 67.8  |       |
| 79      | 55.0  | 42.8 | 64.2  |       |

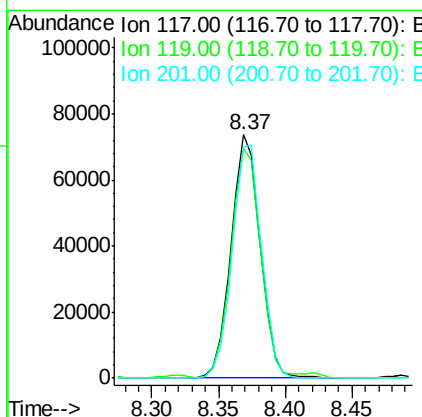
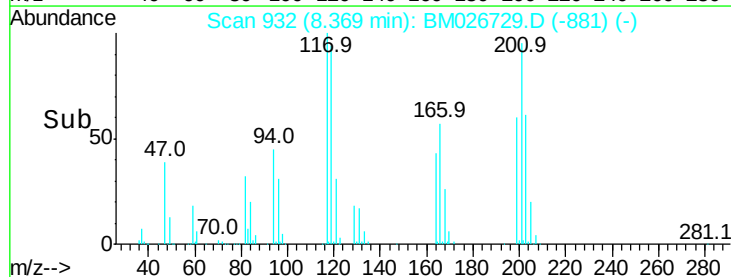
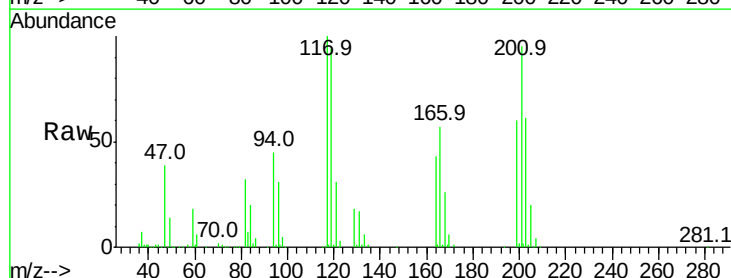
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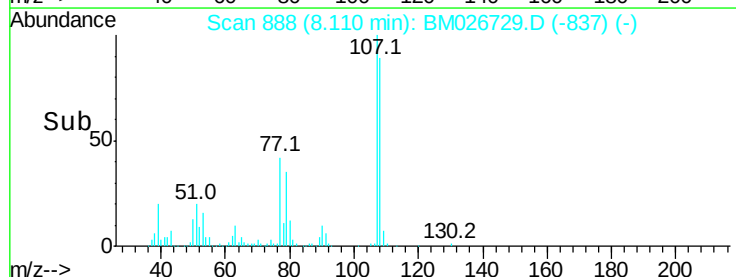
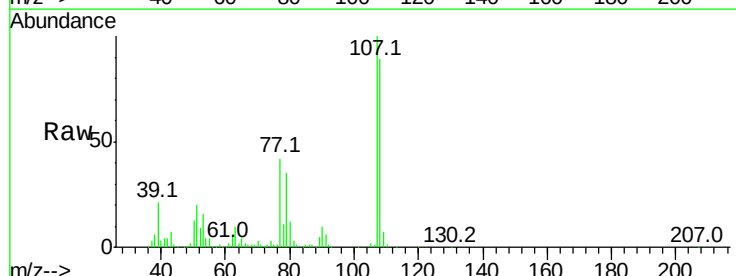
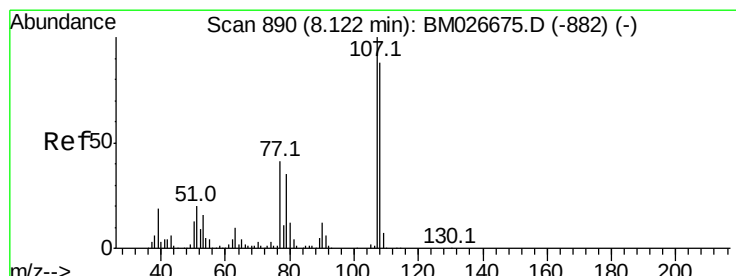
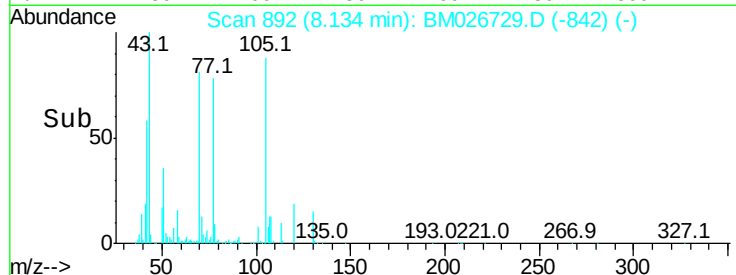
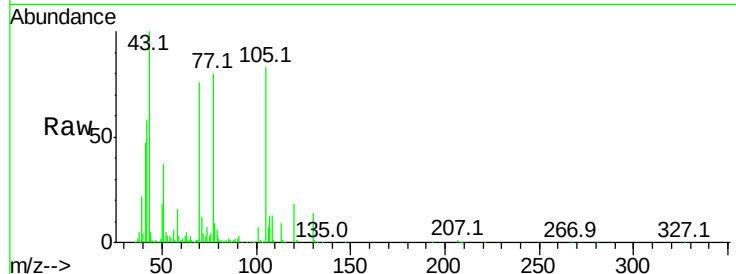
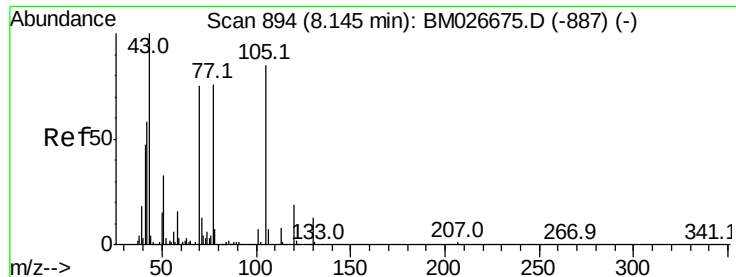
mohammad  
7/13/2020 1:02:43 PM



#18  
Hexachloroethane  
Concen: 46.959 ng  
RT: 8.37 min Scan# 932  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

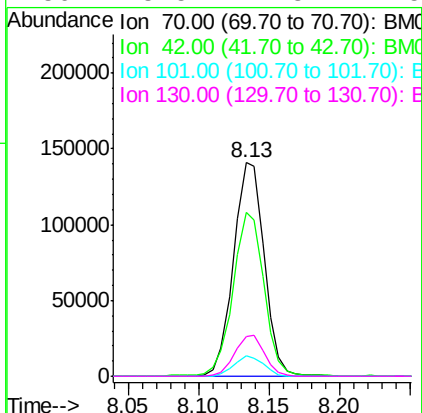
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.1  | 74.2 | 111.2 |       |
| 201     | 94.7  | 73.6 | 110.4 |       |





#19  
n-Nitroso-di-n-propylamine  
Concen: 35.350 ng  
RT: 8.13 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tot Ion   | 70    | Resp  | 214017 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 76.9  | 62.3  | 93.5   |
| 101       | 9.4   | 7.1   | 10.7   |
| 130       | 18.5  | 14.3  | 21.5   |



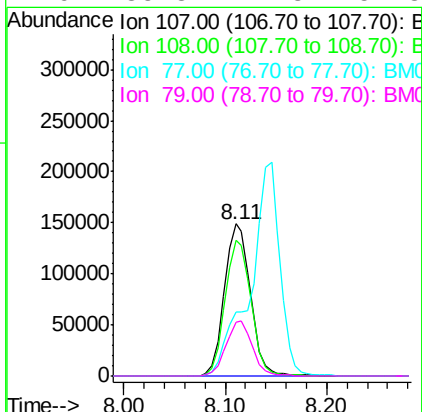
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

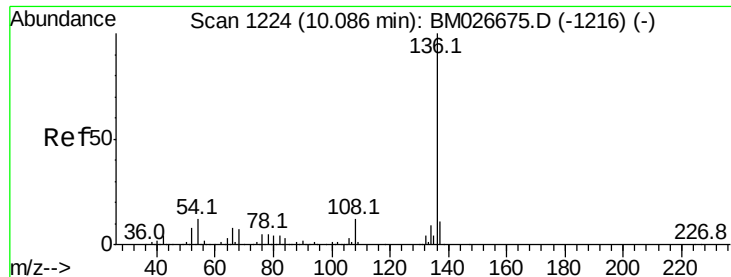
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#20  
3+4-Methylphenols  
Concen: 35.292 ng  
RT: 8.11 min Scan# 888  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion   | 107   | Resp  | 265169 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 89.4  | 68.5  | 108.5  |
| 77        | 42.3  | 20.8  | 60.8   |
| 79        | 35.3  | 14.8  | 54.8   |





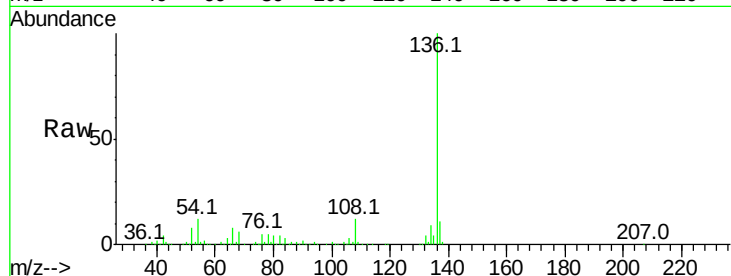
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.07 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 270732 |       |       |
| 137     | 10.9  |        | 8.6   | 12.8  |
| 54      | 11.6  |        | 9.8   | 14.6  |
| 68      | 6.1   |        | 5.8   | 8.6   |

Manual Integrations  
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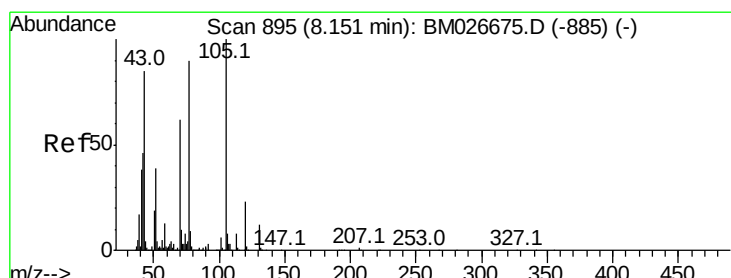
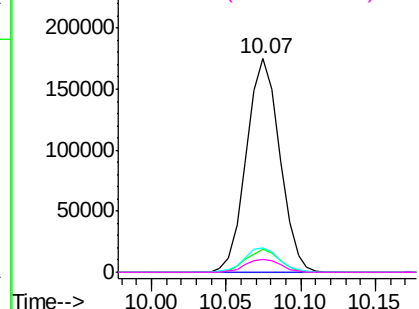
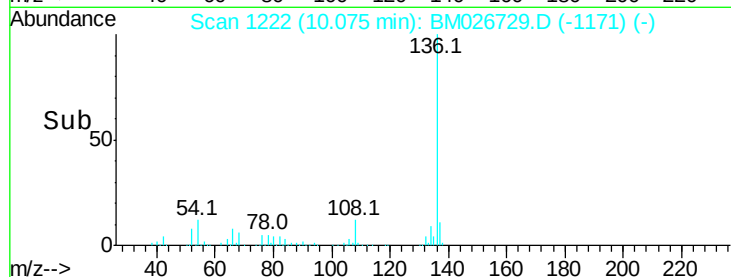
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

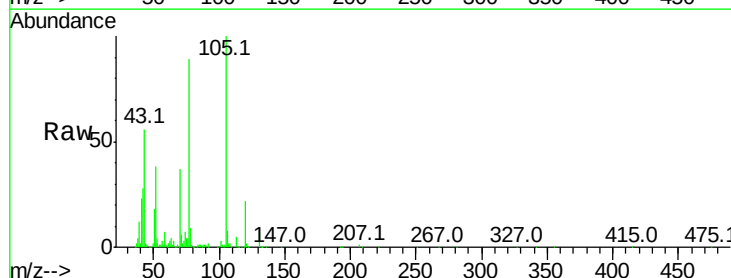
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22  
Acetophenone  
Concen: 47.481 ng  
RT: 8.15 min Scan# 894  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 365294 |       |       |
| 71      | 5.8   |        | 8.1   | 12.1# |
| 51      | 38.1  |        | 31.9  | 47.9  |
| 120     | 21.8  |        | 18.0  | 27.0  |



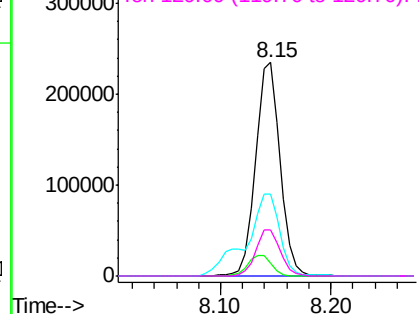
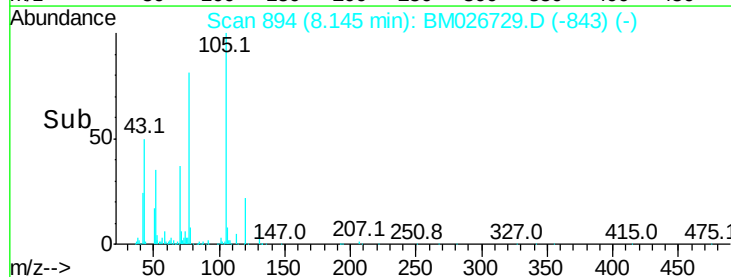
Abundance

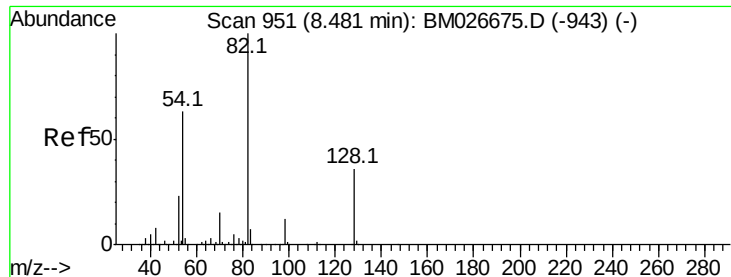
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





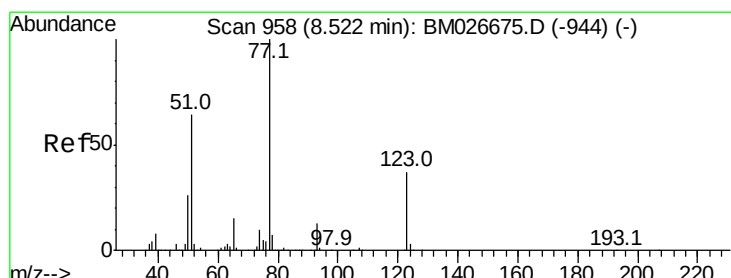
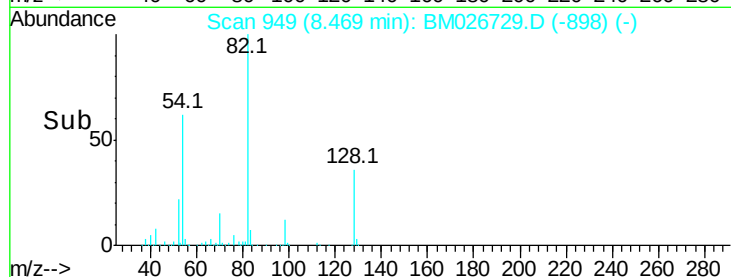
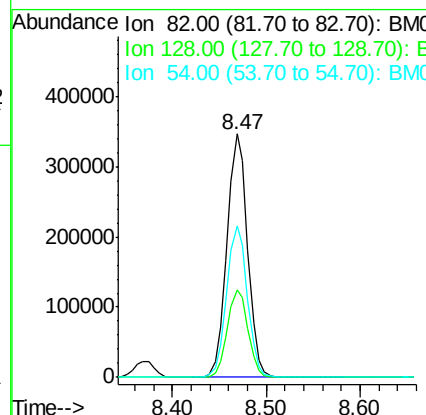
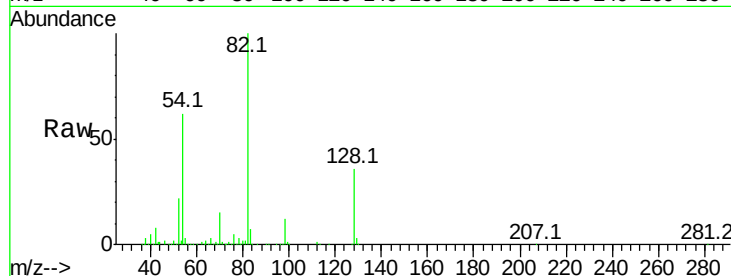
#23  
Nitrobenzene-d5  
Concen: 83.464 ng  
RT: 8.47 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.7  | 29.1  | 43.7  |
| 54      | 62.4  | 50.2  | 75.4  |

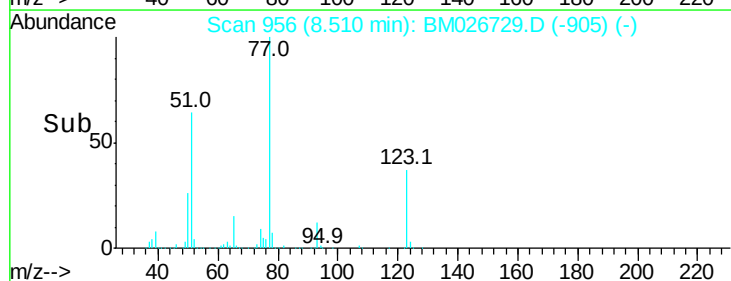
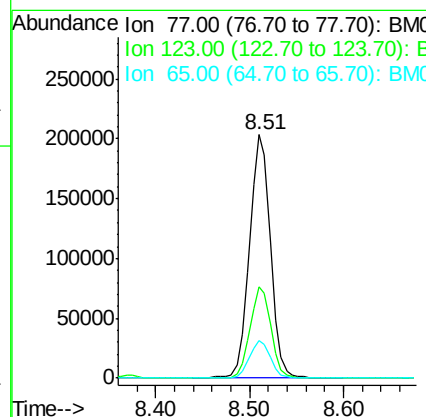
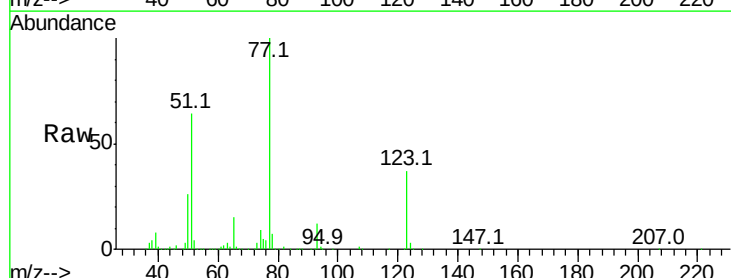
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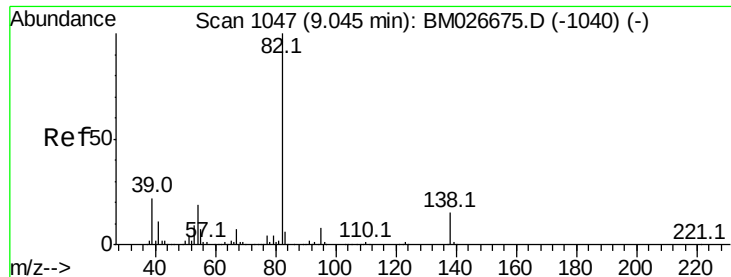


#24  
Nitrobenzene  
Concen: 46.906 ng  
RT: 8.51 min Scan# 956  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 37.3  | 29.8  | 44.6  |
| 65      | 15.3  | 12.2  | 18.4  |







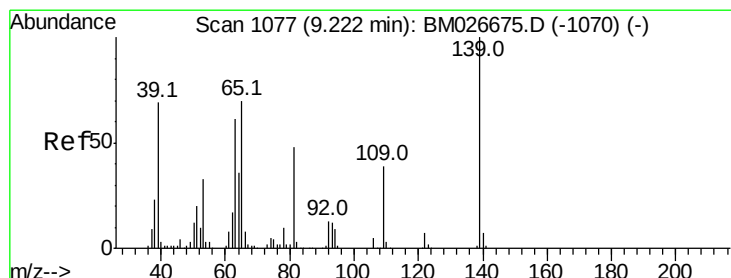
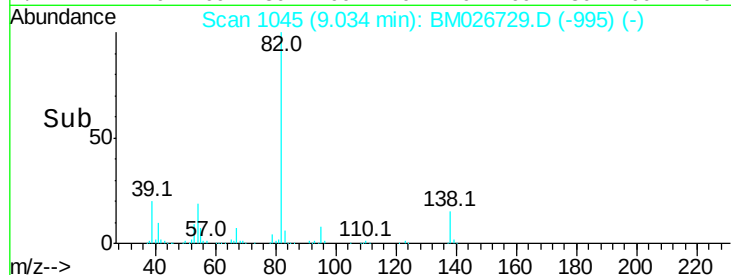
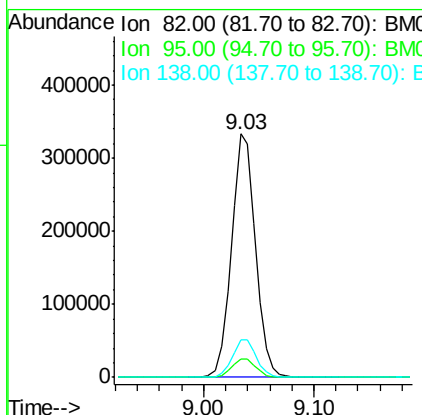
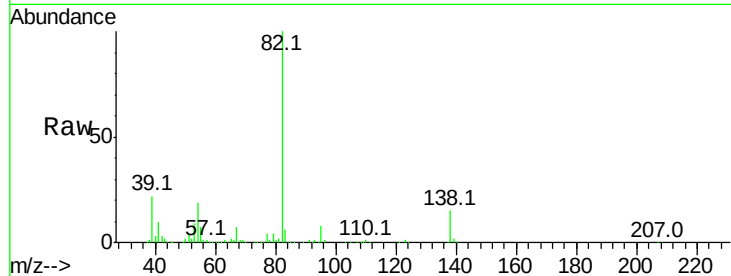
#25  
Isophorone  
Concen: 41.803 ng  
RT: 9.03 min Scan# 1045  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 95      | 7.6   | 6.3  | 9.5   |       |
| 138     | 15.2  | 12.0 | 18.0  |       |

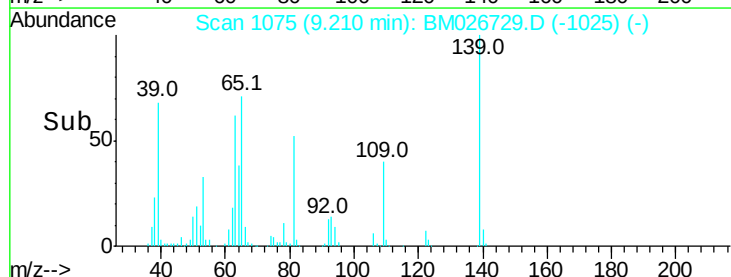
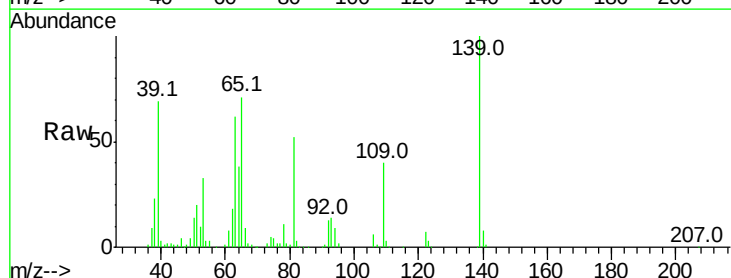
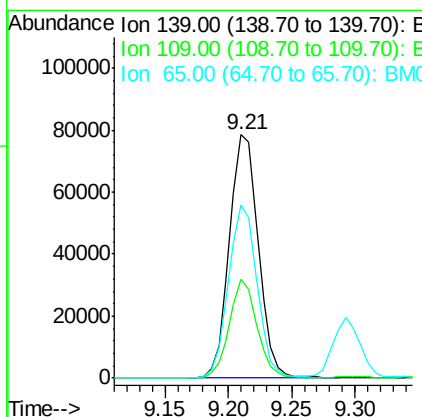
Manual Integrations  
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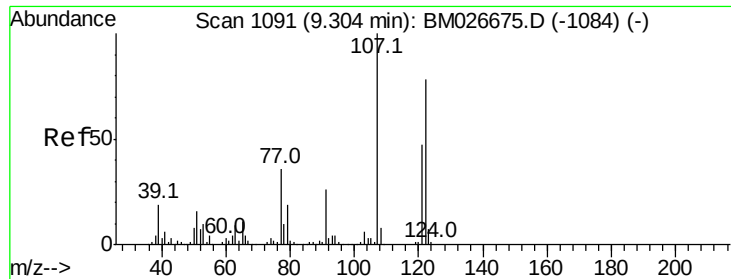
mohammad  
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#26  
2-Nitrophenol  
Concen: 50.284 ng  
RT: 9.21 min Scan# 1075  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 40.4  | 30.8 | 46.2  |       |
| 65      | 71.3  | 56.2 | 84.4  |       |





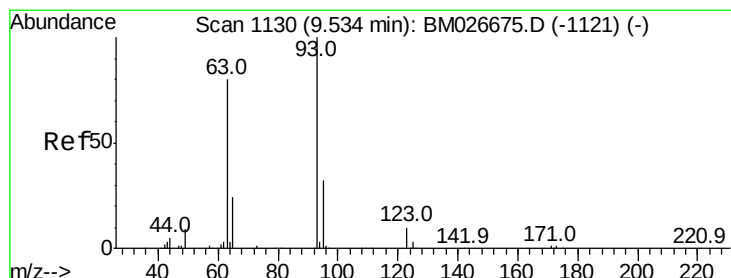
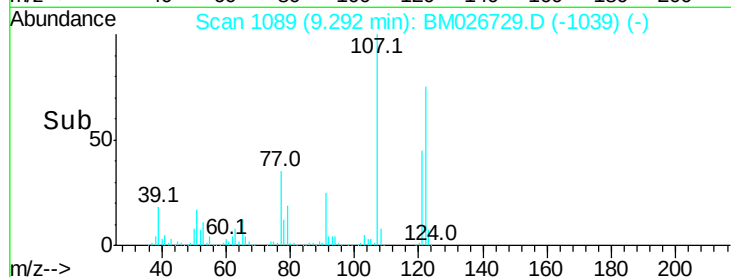
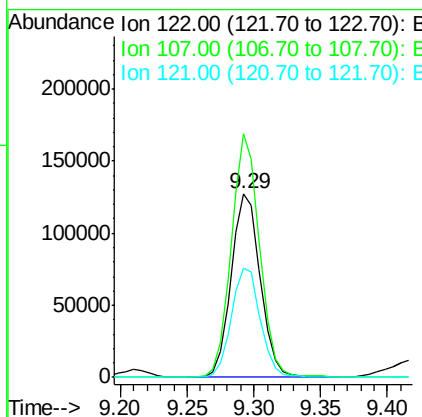
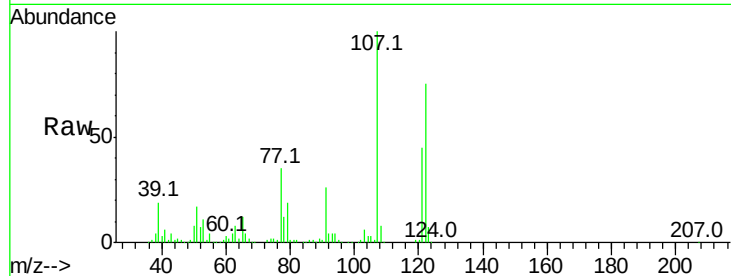
#27  
2,4-Dimethylphenol  
Concen: 48.427 ng  
RT: 9.29 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 194030 |       |       |
| 107     | 132.5 | 102.1  | 153.1 |       |
| 121     | 59.7  | 48.2   | 72.2  |       |

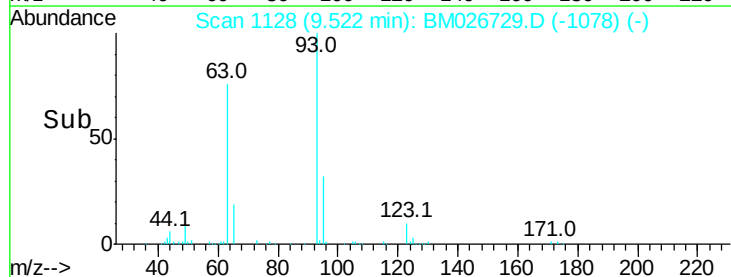
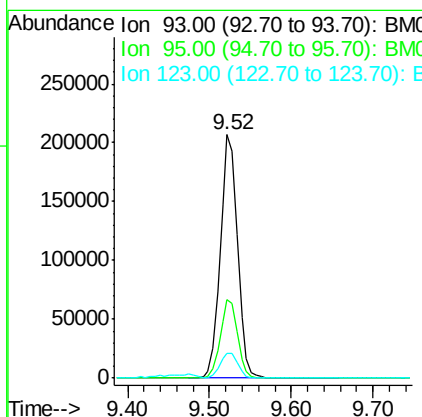
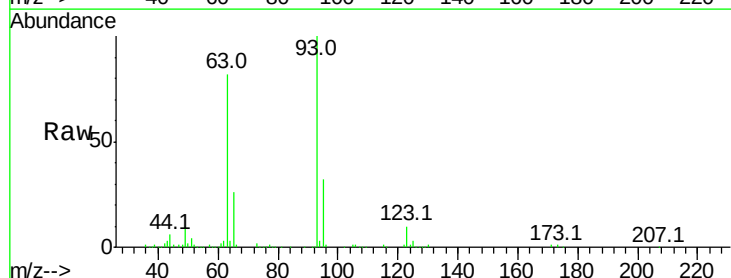
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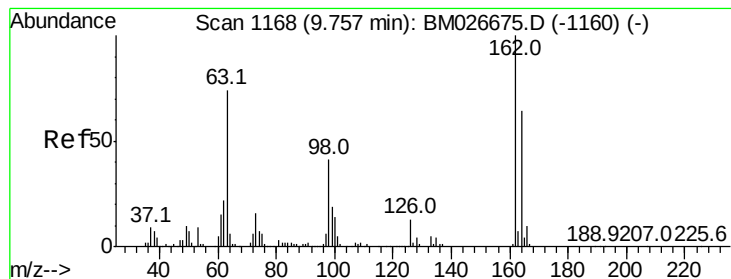
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#28  
bis(2-Chloroethoxy)methane  
Concen: 45.097 ng  
RT: 9.52 min Scan# 1128  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 303164 |       |       |
| 95      | 32.1  | 25.7   | 38.5  |       |
| 123     | 10.2  | 8.7    | 13.1  |       |





#29

2,4-Dichlorophenol

Concen: 47.316 ng

RT: 9.75 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

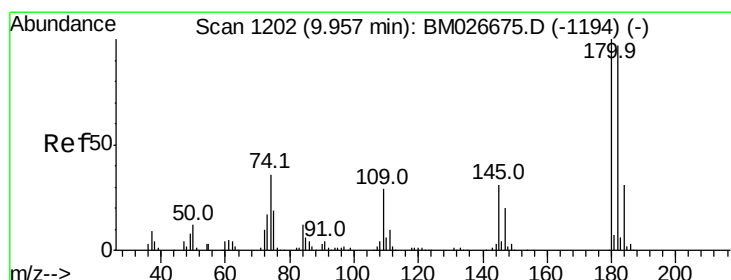
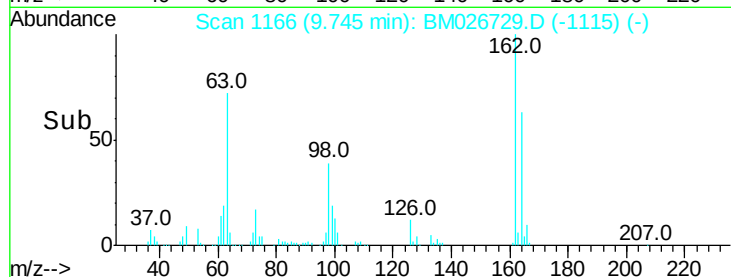
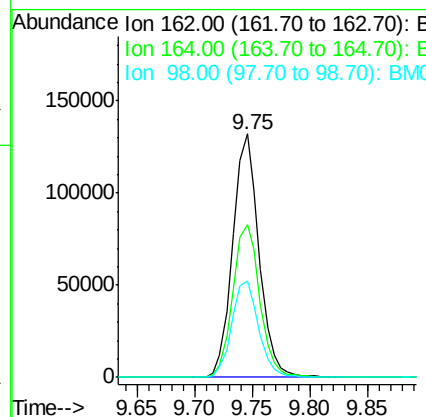
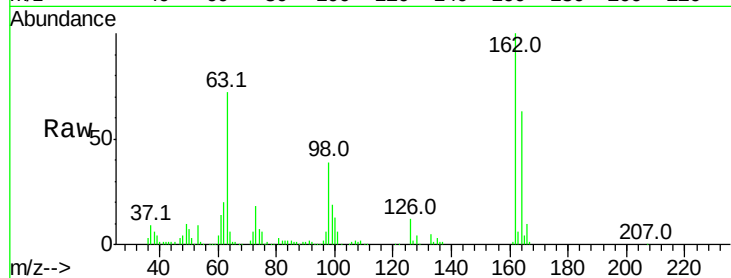
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 208777 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 62.9  | 44.3  | 84.3   |
| 98        | 39.5  | 21.0  | 61.0   |

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#30

1,2,4-Trichlorobenzene

Concen: 48.398 ng

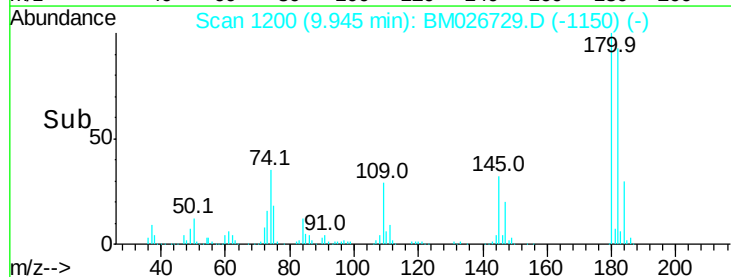
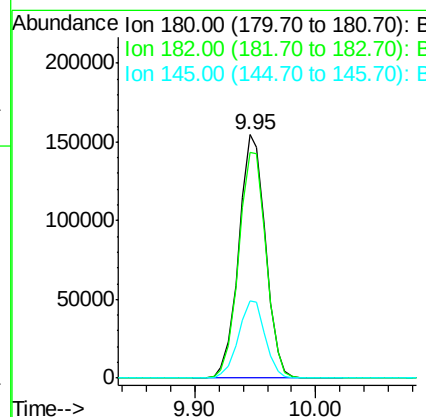
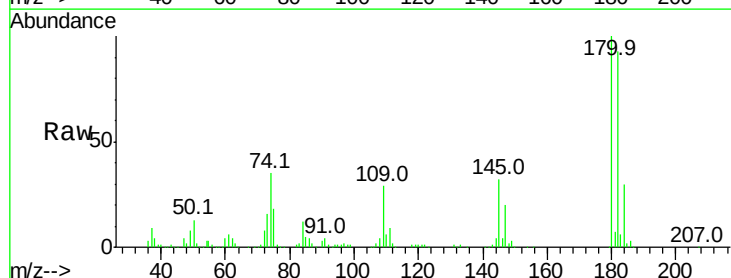
RT: 9.95 min Scan# 1200

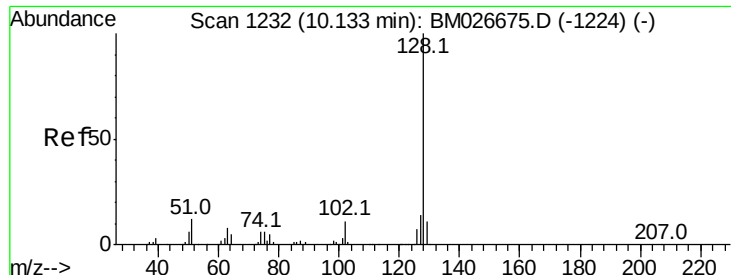
Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 238240 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 92.9  | 77.8  | 116.6  |
| 145       | 31.7  | 25.0  | 37.6   |





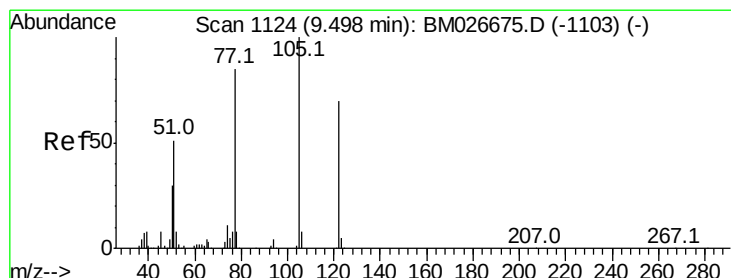
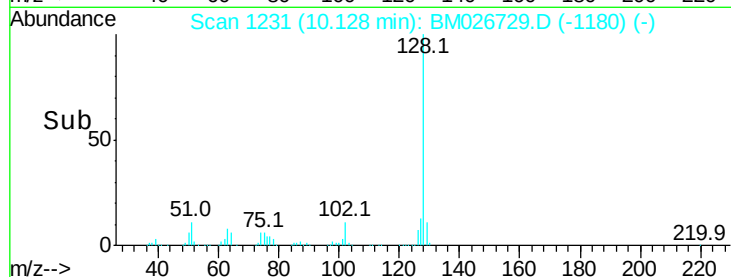
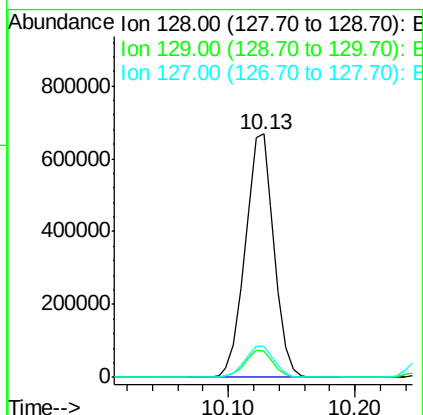
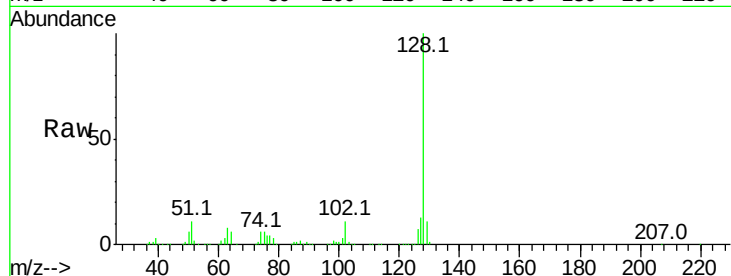
#31  
Naphthalene  
Concen: 69.551 ng  
RT: 10.13 min Scan# 1231  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 8.8   | 13.2  |
| 127     | 12.6  | 10.8  | 16.2  |

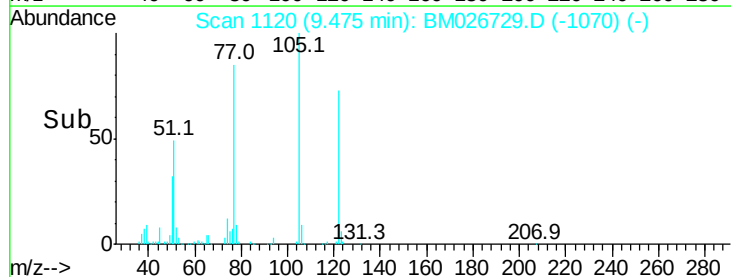
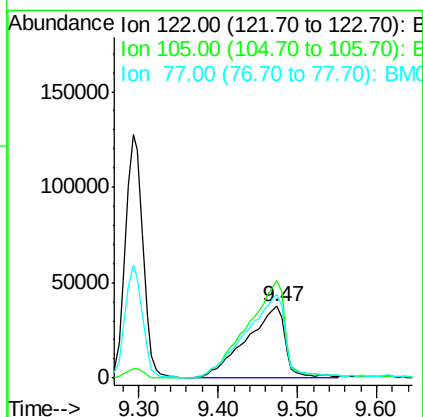
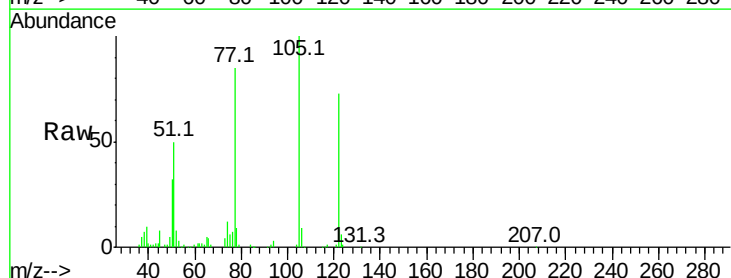
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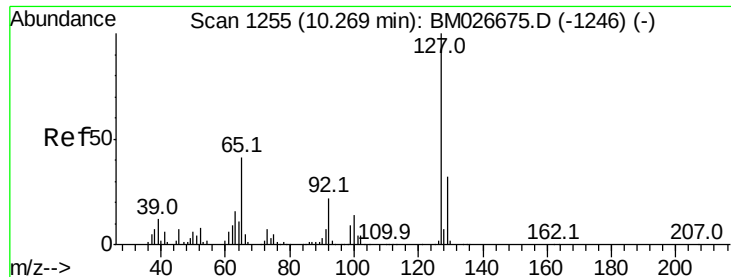
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#32  
Benzoic acid  
Concen: 38.412 ng  
RT: 9.47 min Scan# 1120  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 136.4 | 120.9 | 160.9 |
| 77      | 116.3 | 100.0 | 140.0 |





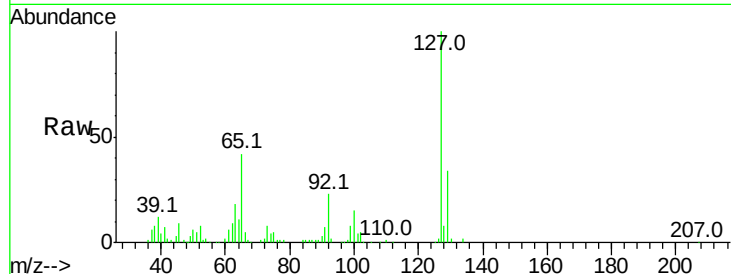
#33  
4-Chloroaniline  
Concen: 18.282 ng  
RT: 10.26 min Scan# 1253  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

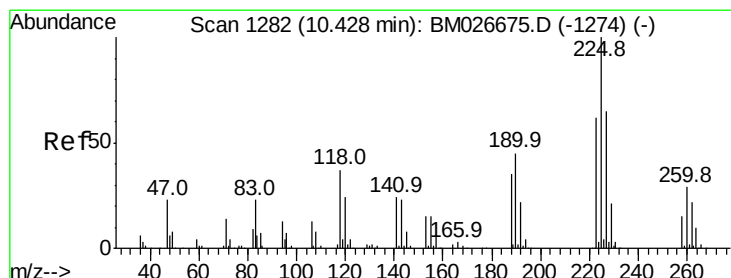
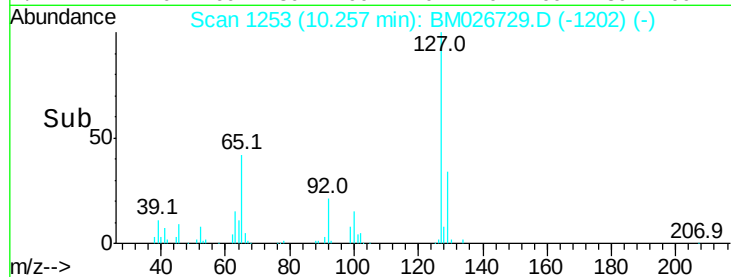
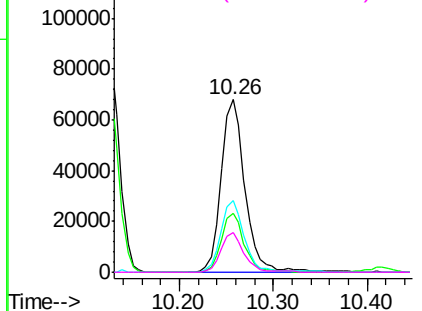
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 34.3  | 25.8  | 38.6  |
| 65      | 41.6  | 32.5  | 48.7  |
| 92      | 22.9  | 17.8  | 26.8  |

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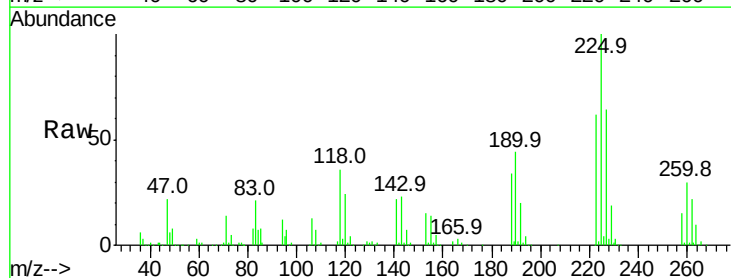


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

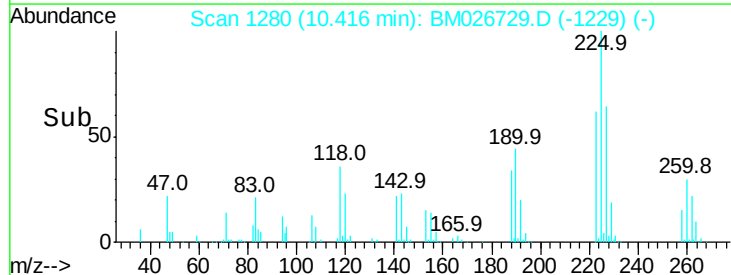
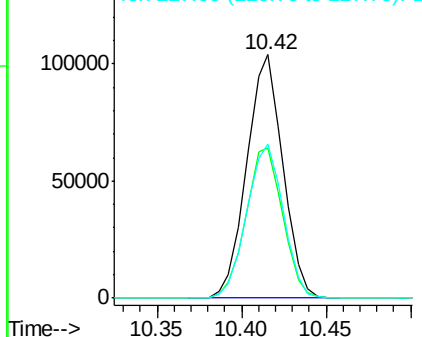


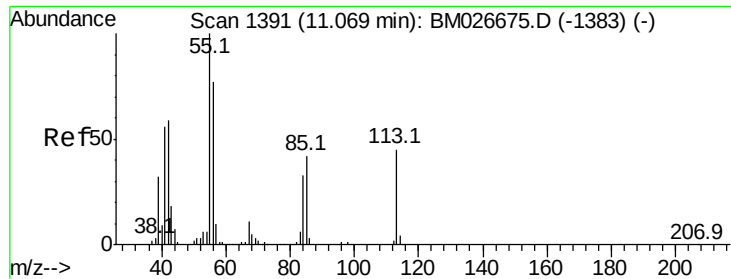
#34  
Hexachlorobutadiene  
Concen: 47.300 ng  
RT: 10.42 min Scan# 1280  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.9  | 49.8  | 74.8  |
| 227     | 63.5  | 52.3  | 78.5  |



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: 38.905 ng/mL

RT: 11.05 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion:113 Resp: 60809

Ion Ratio Lower Upper

113 100

55 208.9 203.5 243.5

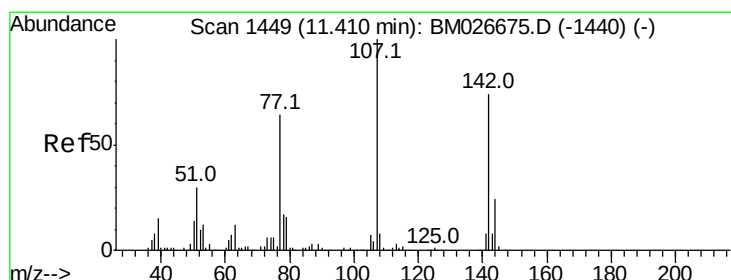
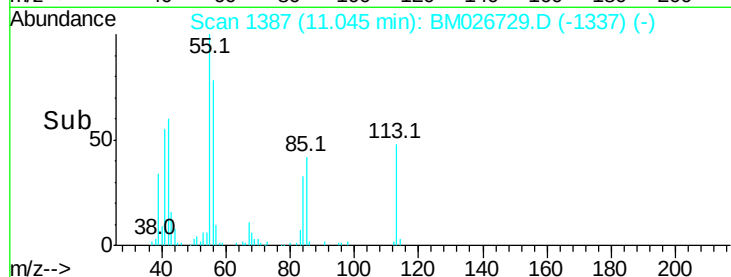
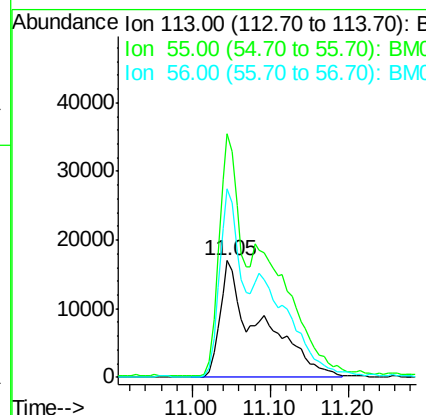
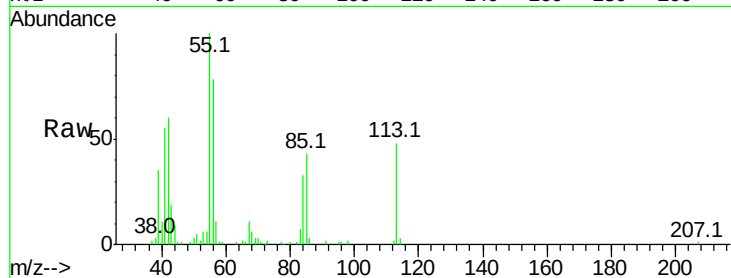
56 162.0 151.6 191.6

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#36

4-Chloro-3-methylphenol

Concen: 42.197 ng/mL

RT: 11.40 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

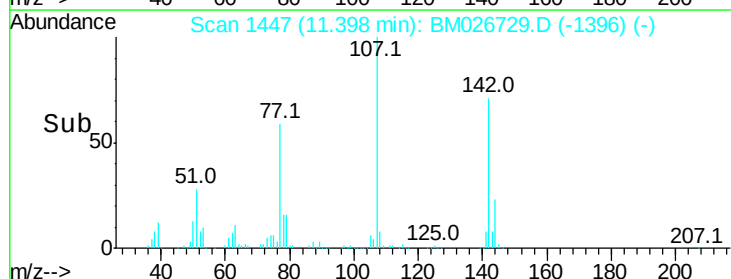
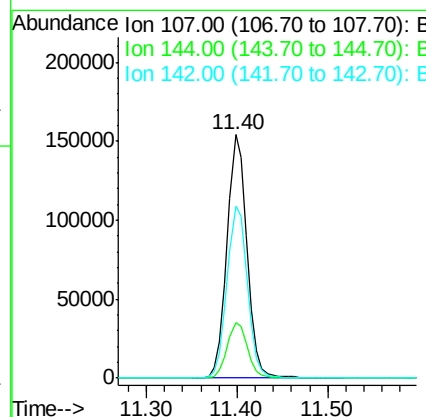
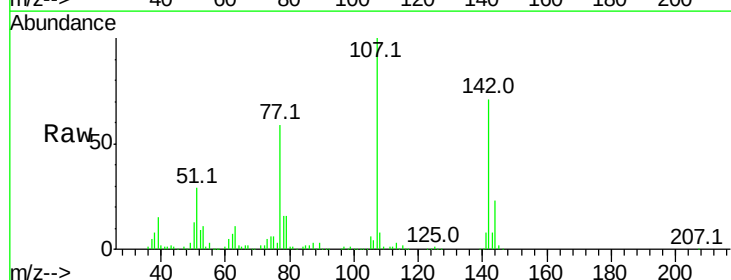
Tgt Ion:107 Resp: 235318

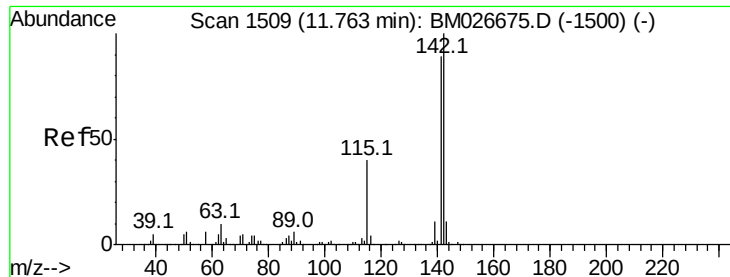
Ion Ratio Lower Upper

107 100

144 22.7 18.9 28.3

142 70.9 59.0 88.4





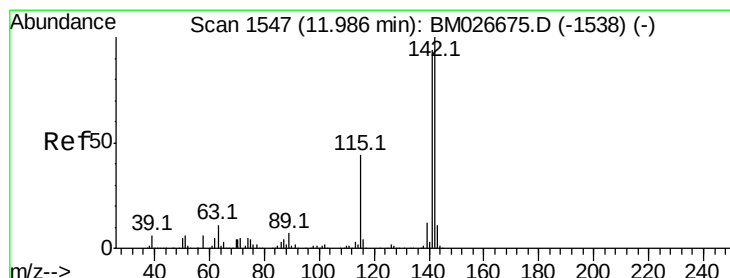
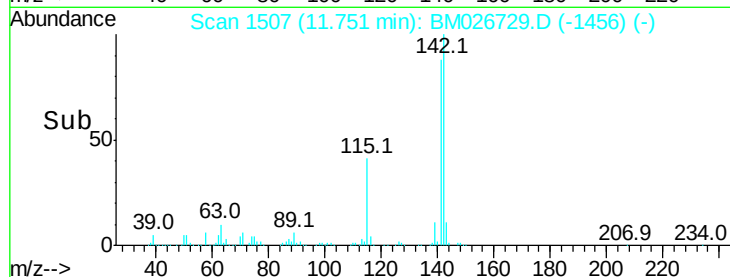
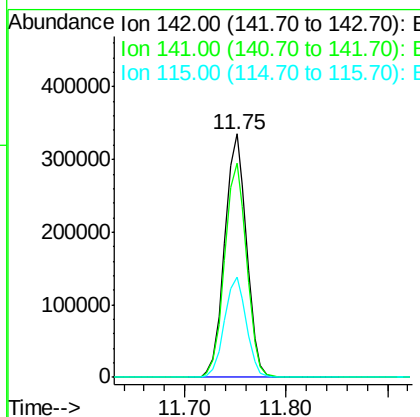
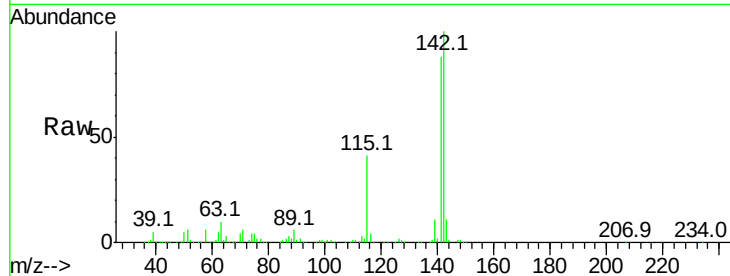
#37  
2-Methylnaphthalene  
Concen: 44.892 ng  
RT: 11.75 min Scan# 1507  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 71.4  | 107.0 |
| 115     | 41.1  | 32.1  | 48.1  |

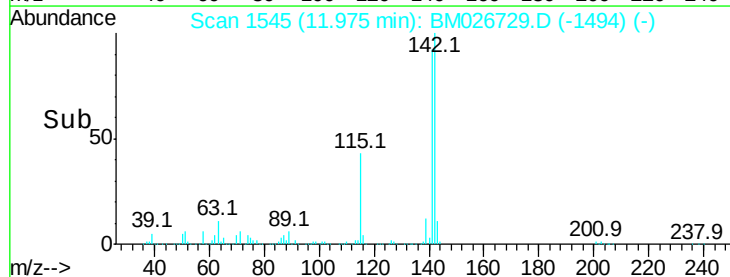
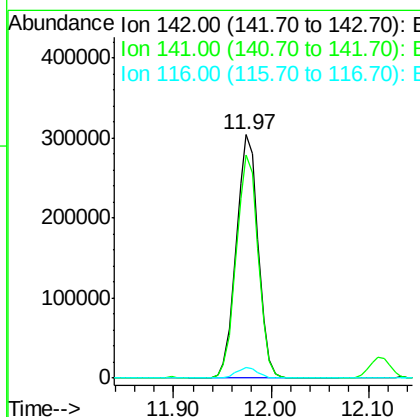
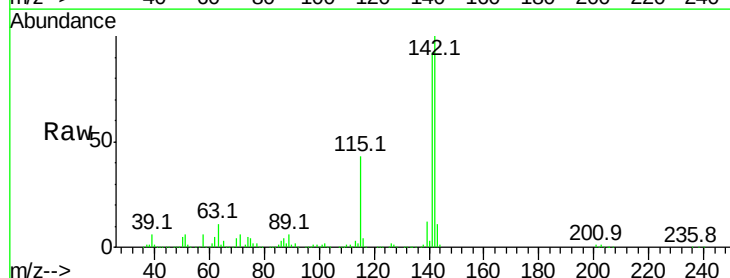
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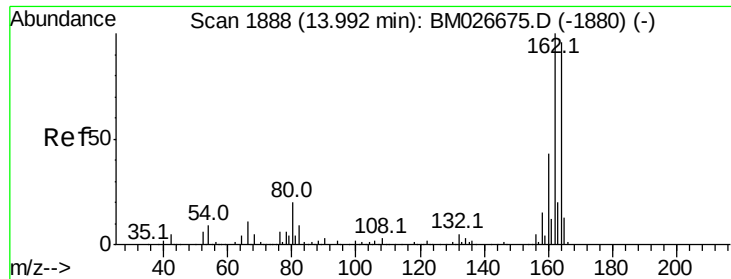
mohammad  
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#38  
1-Methylnaphthalene  
Concen: 43.902 ng  
RT: 11.97 min Scan# 1545  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.7  | 75.0  | 112.6 |
| 116     | 4.3   | 3.5   | 5.3   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.98 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

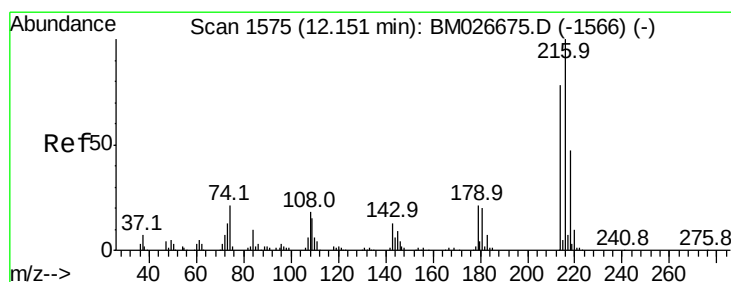
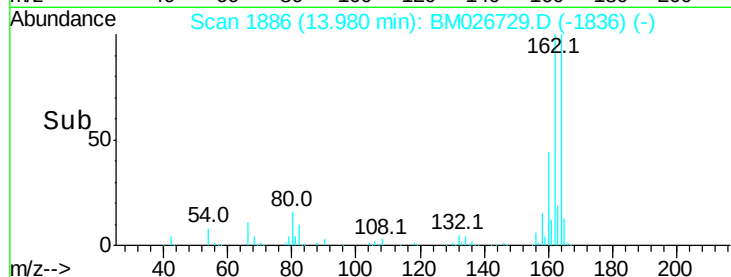
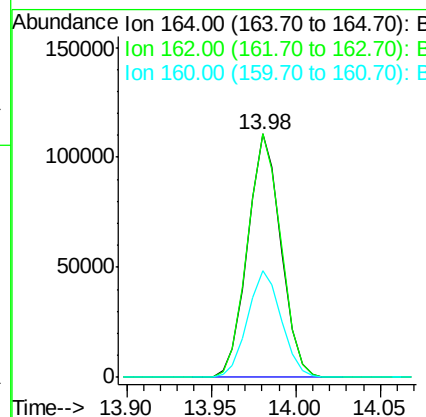
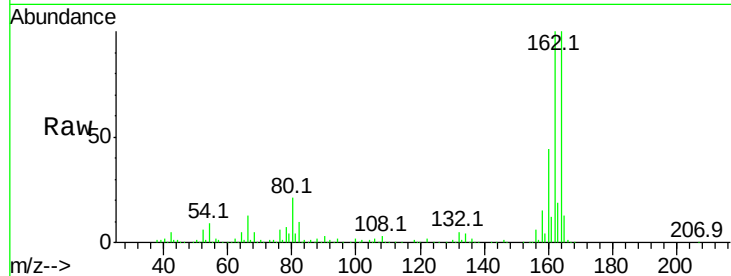
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 151409 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.1 | 83.7  | 125.5  |
| 160       | 44.0  | 36.2  | 54.2   |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.755 ng

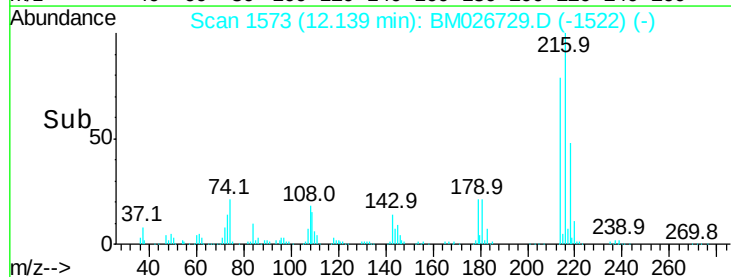
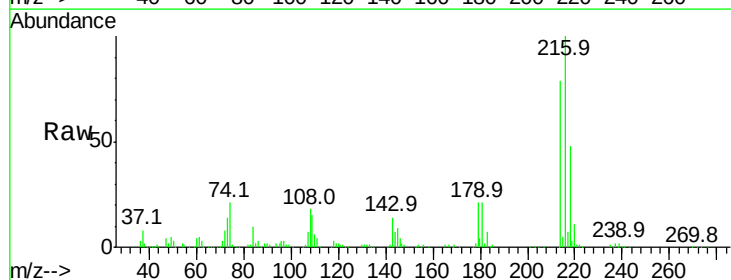
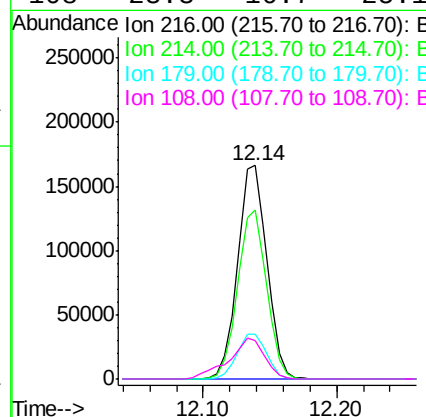
RT: 12.14 min Scan# 1573

Delta R.T. -0.00 min

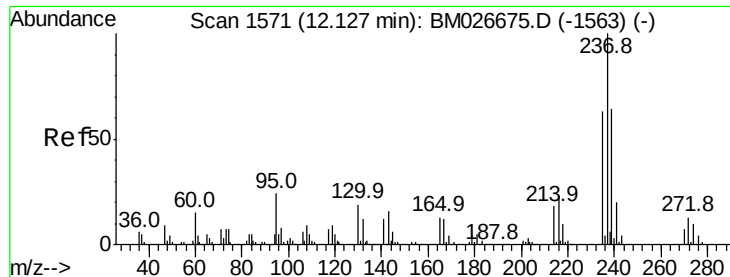
Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 253322 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 78.4  | 62.6  | 93.8   |
| 179       | 21.6  | 17.5  | 26.3   |
| 108       | 23.3  | 16.7  | 25.1   |







#41

Hexachlorocyclopentadiene

Concen: 108.186 ng

RT: 12.12 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

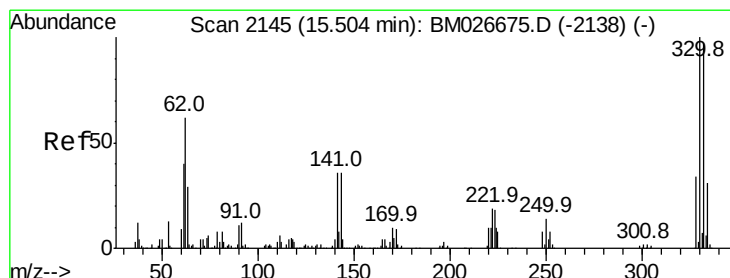
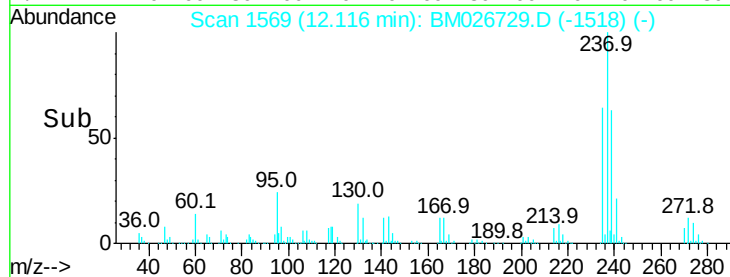
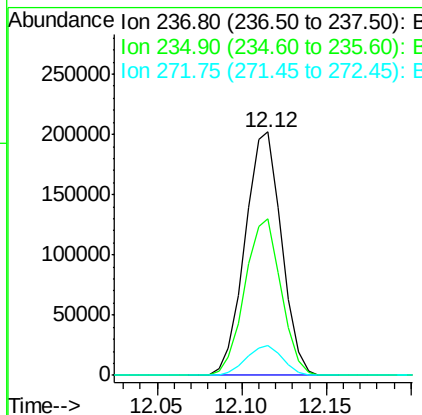
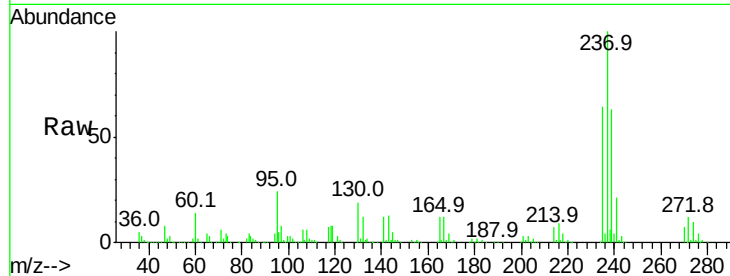
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 303779 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 64.1  | 42.8  | 82.8   |
| 272       | 12.0  | 0.0   | 32.8   |

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#42

2,4,6-Tribromophenol

Concen: 113.365 ng

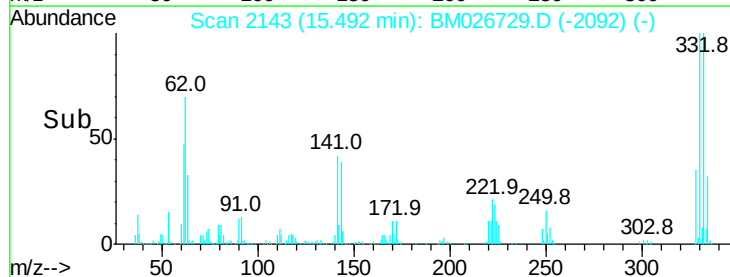
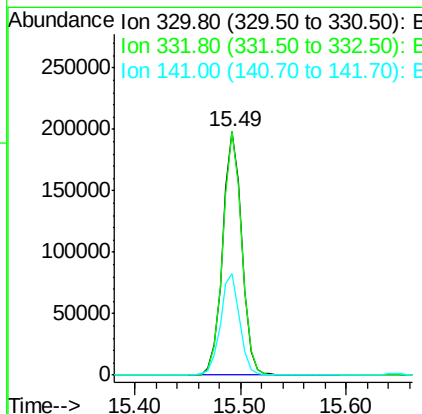
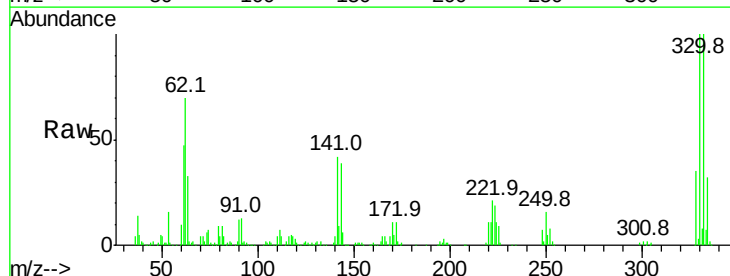
RT: 15.49 min Scan# 2143

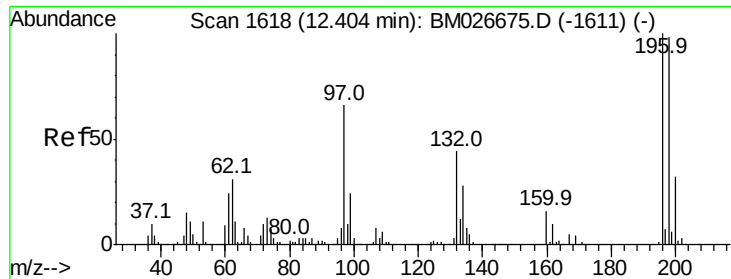
Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 250035 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 98.8  | 77.5  | 116.3  |
| 141       | 41.8  | 32.4  | 48.6   |





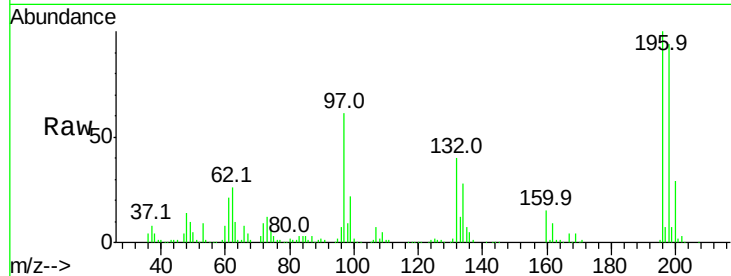
#43  
 2,4,6-Trichlorophenol  
 Concen: 50.639 ng  
 RT: 12.40 min Scan# 1617  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 162364 |       |       |
| 198     | 94.0  | 78.6   | 118.0 |       |
| 200     | 28.6  | 25.3   | 37.9  |       |

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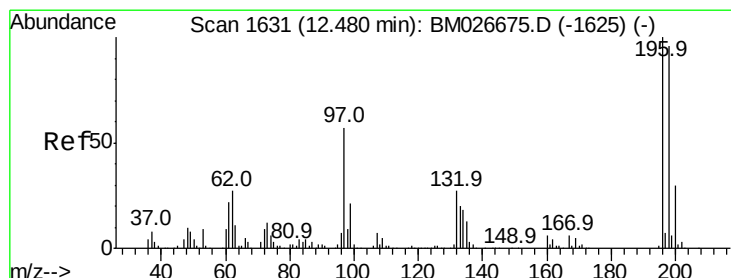
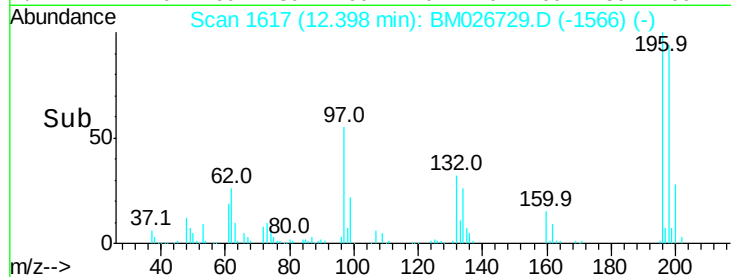
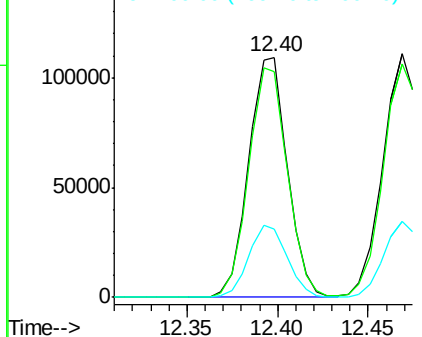


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 46.436 ng  
 RT: 12.47 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 174956 |       |       |
| 198     | 95.9  | 77.0   | 115.6 |       |
| 97      | 58.5  | 45.7   | 68.5  |       |
| 132     | 29.4  | 21.8   | 32.6  |       |

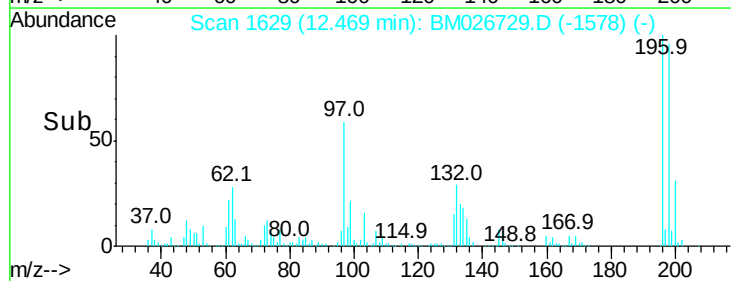
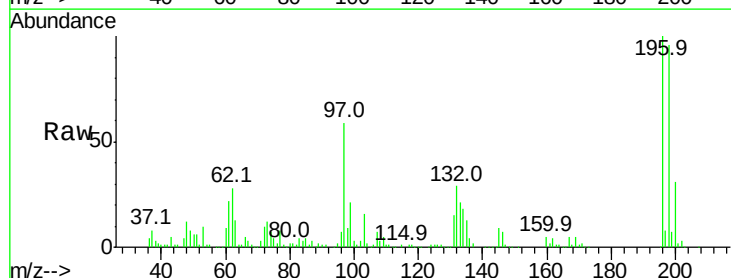
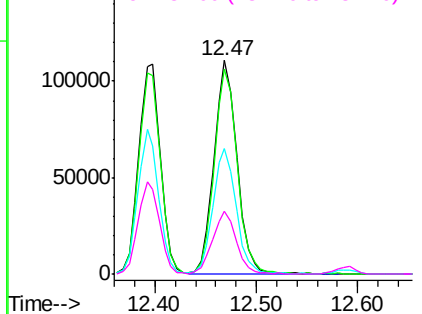
Abundance

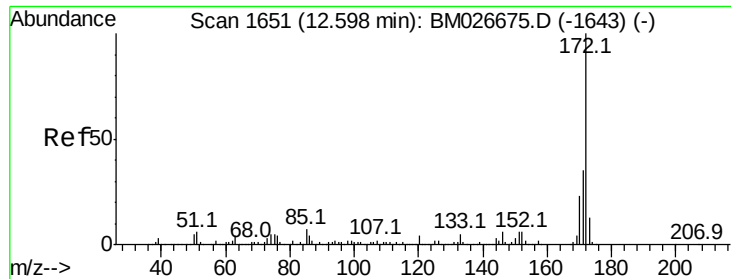
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM

Ion 132.00 (131.70 to 132.70): E





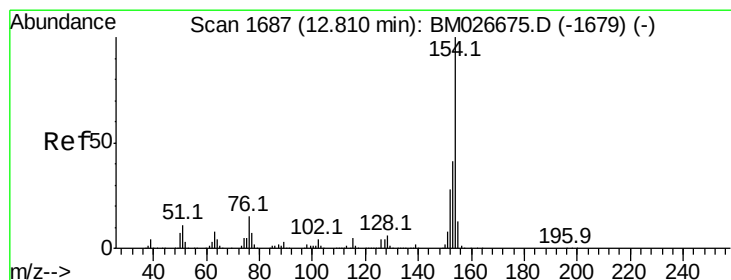
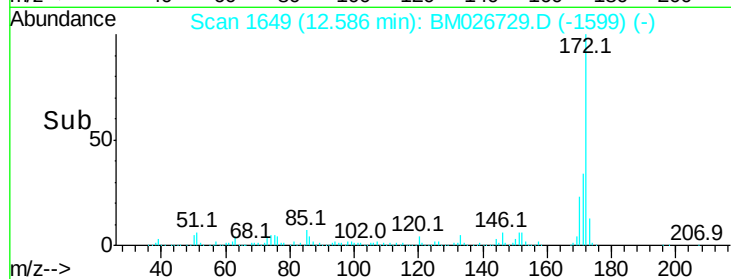
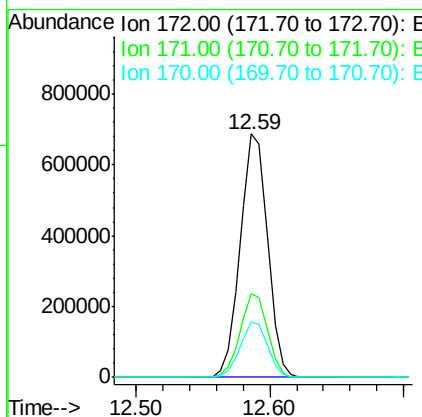
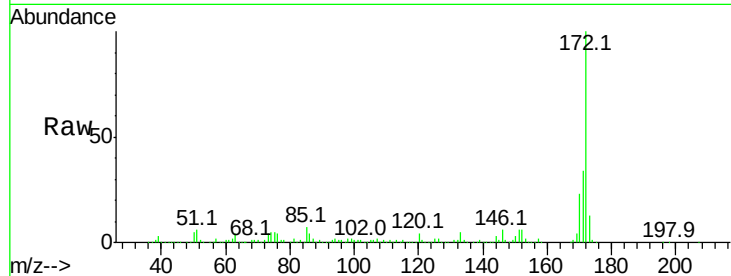
#45  
 2-Fluorobiphenyl  
 Concen: 85.287 ng  
 RT: 12.59 min Scan# 1649  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 27.8  | 41.6  |
| 170     | 22.8  | 18.5  | 27.7  |

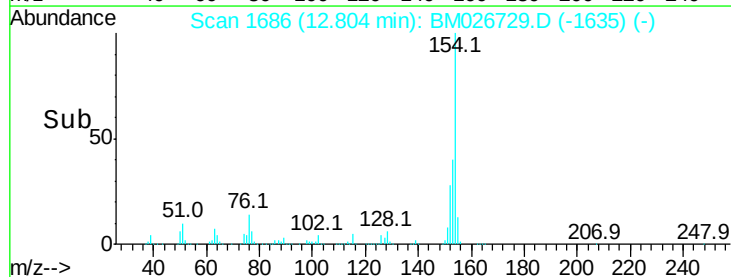
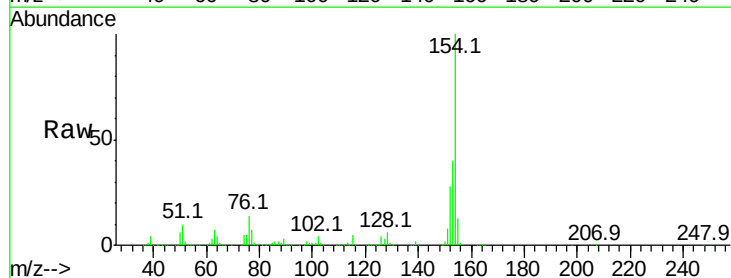
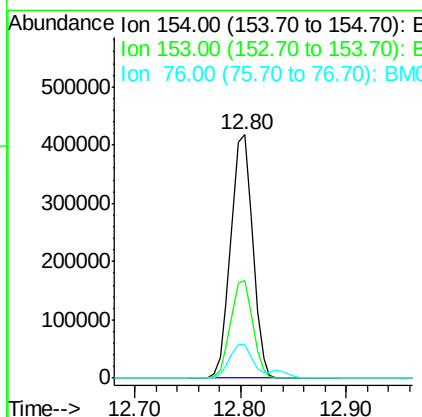
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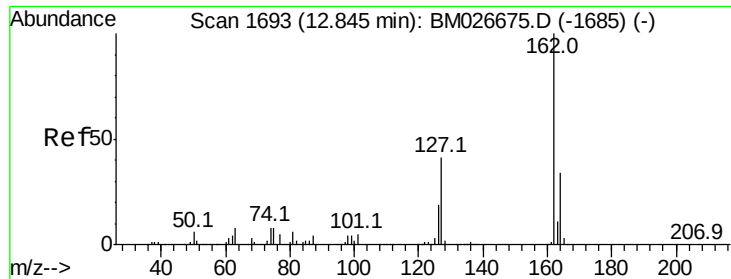
mohammad  
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#46  
 1,1'-Biphenyl  
 Concen: 49.898 ng  
 RT: 12.80 min Scan# 1686  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.9  | 20.9  | 60.9  |
| 76      | 13.7  | 0.0   | 35.2  |





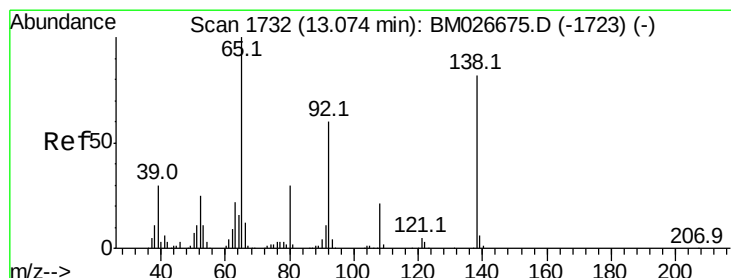
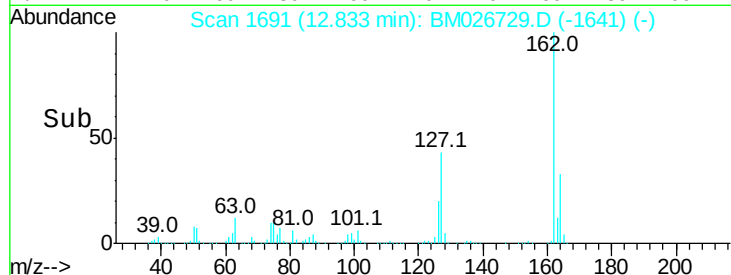
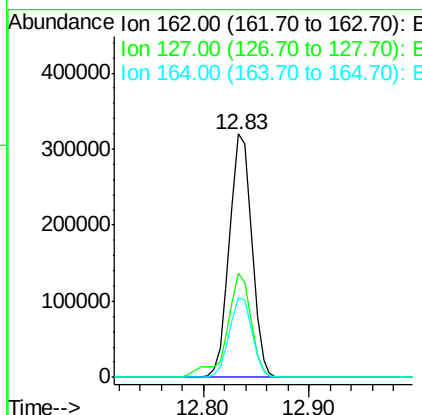
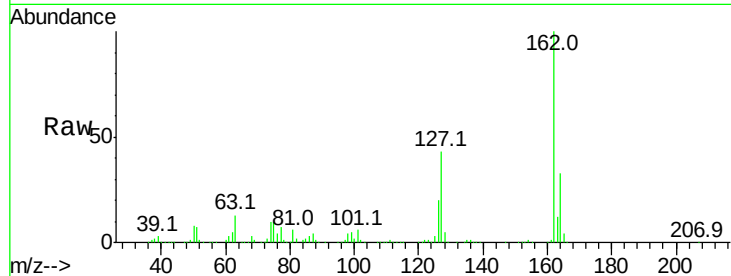
#47  
 2-Chloronaphthalene  
 Concen: 48.410 ng  
 RT: 12.83 min Scan# 1691  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.9  | 34.0  | 51.0  |
| 164     | 32.6  | 26.9  | 40.3  |

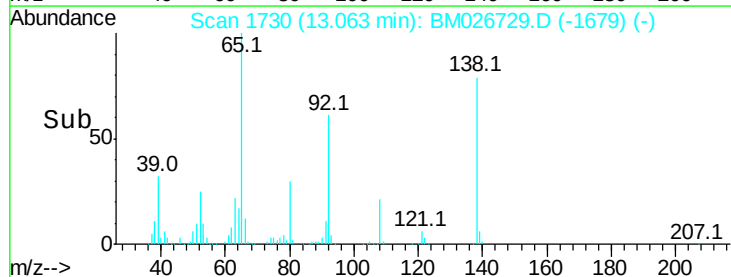
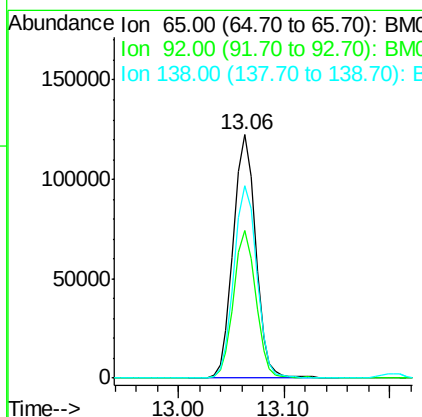
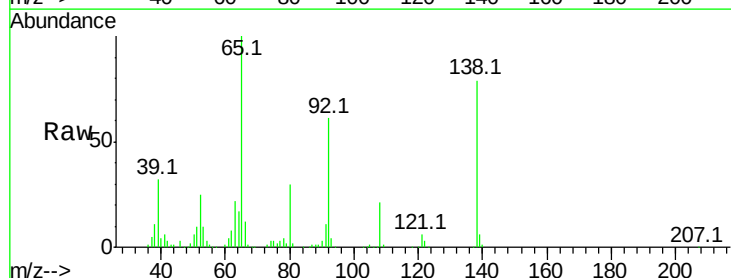
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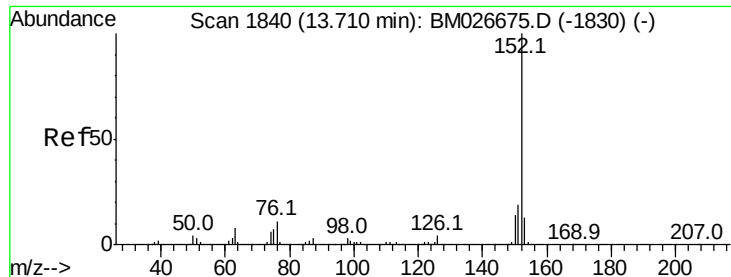
mohammad  
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#48  
 2-Nitroaniline  
 Concen: 45.514 ng  
 RT: 13.06 min Scan# 1730  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 60.5  | 47.8  | 71.8  |
| 138     | 79.0  | 65.6  | 98.4  |





#49

Acenaphthylene

Concen: 46.728 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

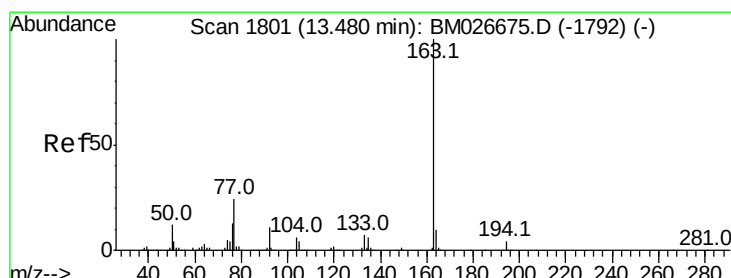
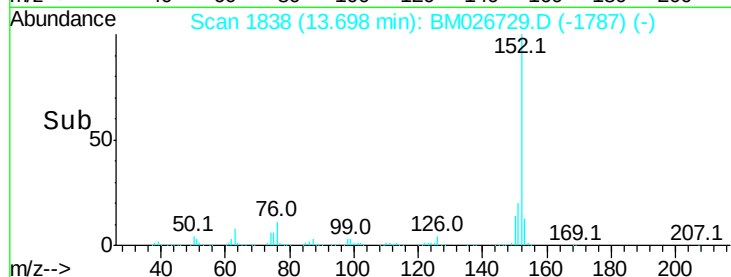
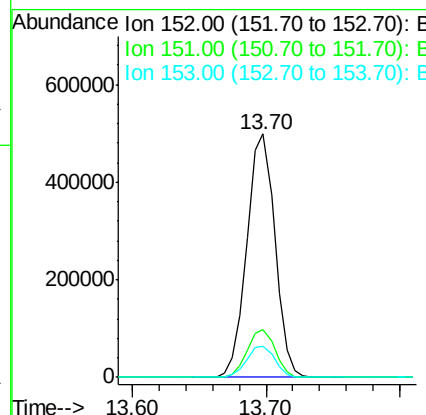
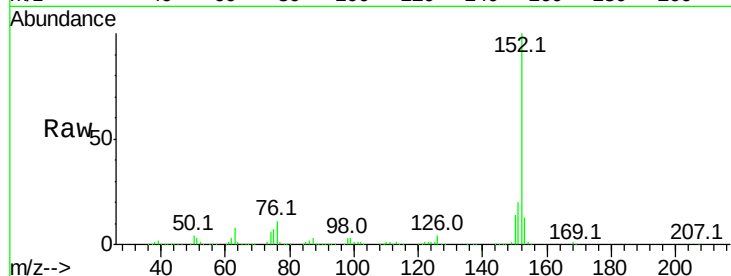
ClientSampleId :

MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 15.6  | 23.4  |
| 153     | 13.0  | 10.4  | 15.6  |

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#50

Dimethylphthalate

Concen: 53.132 ng

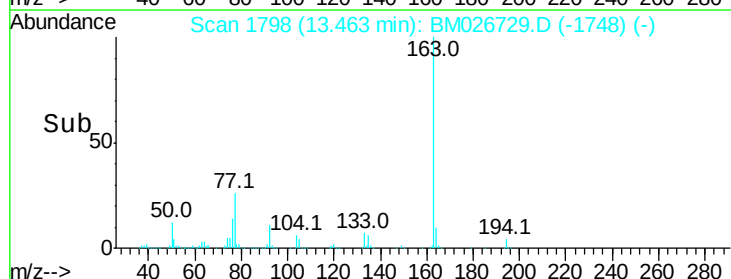
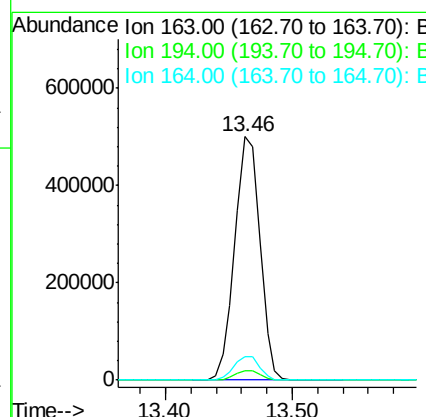
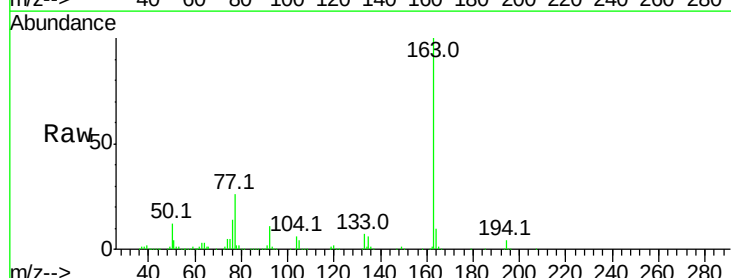
RT: 13.46 min Scan# 1798

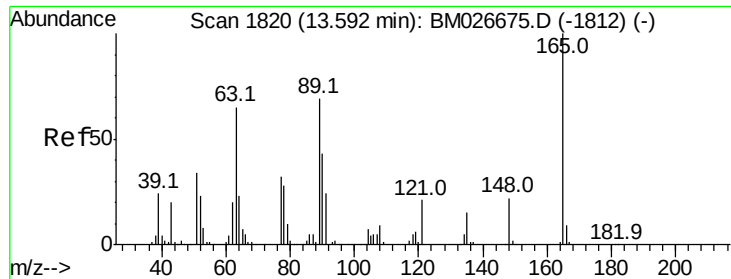
Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.4   | 5.2   |
| 164     | 9.8   | 7.8   | 11.6  |





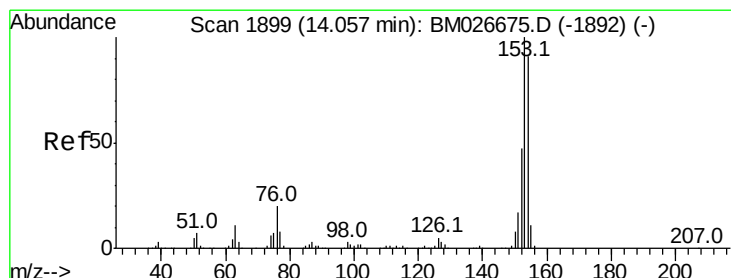
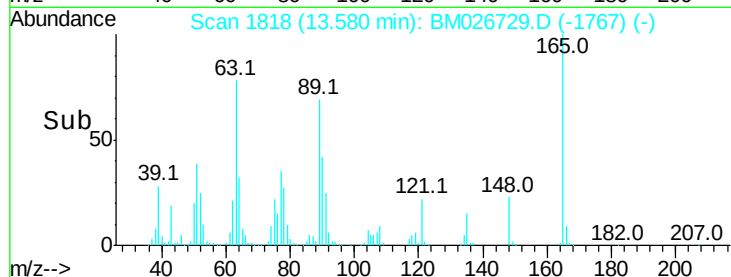
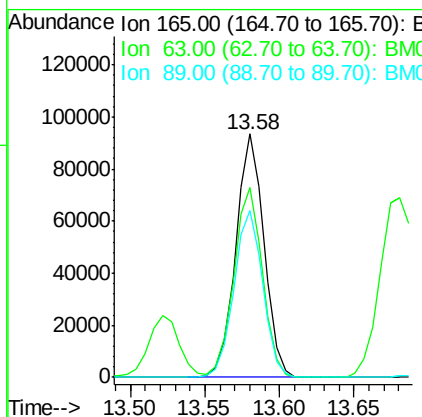
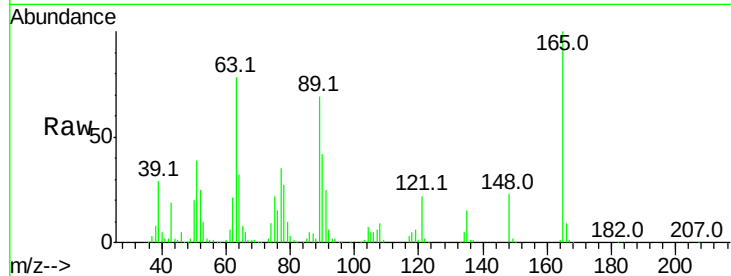
#51  
 2,6-Dinitrotoluene  
 Concen: 44.374 ng  
 RT: 13.58 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 123058 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 77.9  | 61.1  | 91.7   |
| 89        | 68.5  | 54.9  | 82.3   |

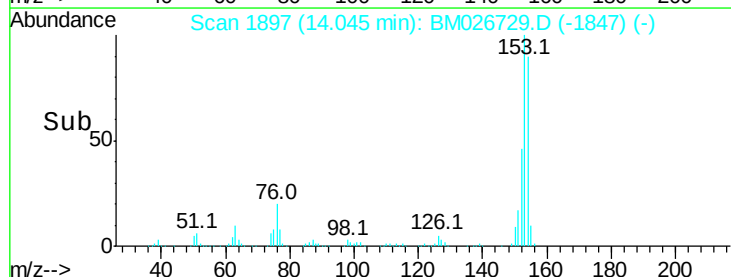
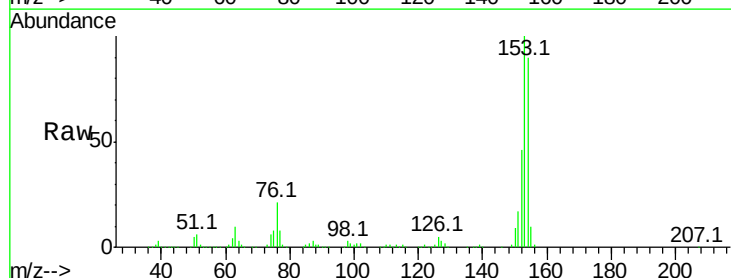
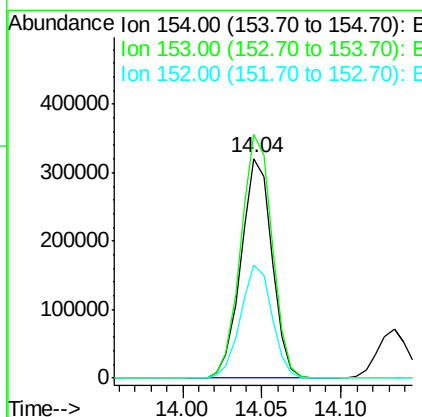
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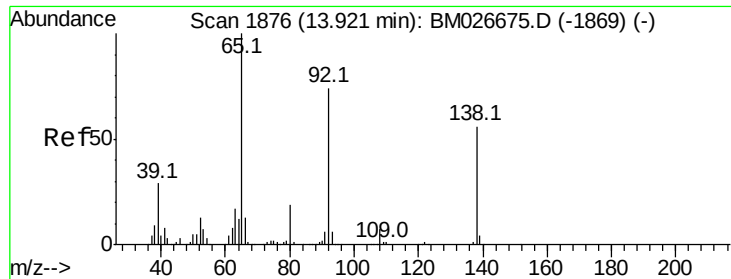
mohammad  
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#52  
 Acenaphthene  
 Concen: 46.351 ng  
 RT: 14.04 min Scan# 1897  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 435081 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.0 | 88.3  | 132.5  |
| 152       | 51.6  | 41.1  | 61.7   |





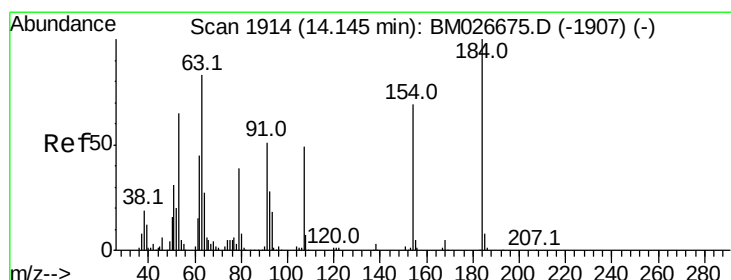
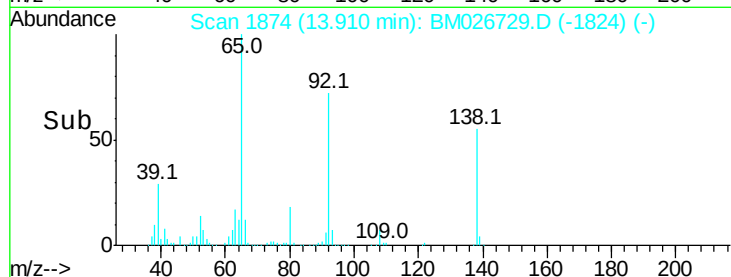
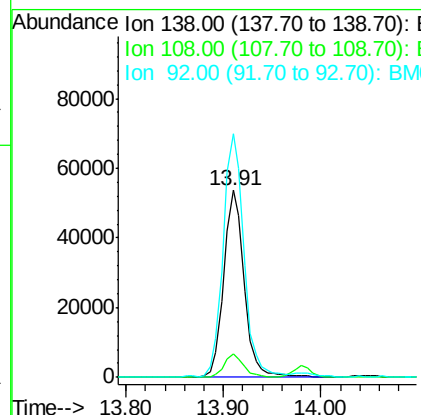
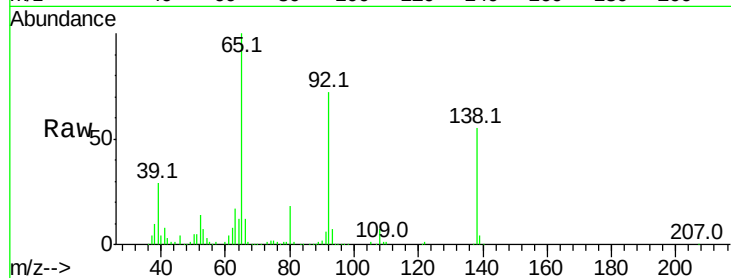
#53  
 3-Nitroaniline  
 Concen: 27.221 ng  
 RT: 13.91 min Scan# 1874  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Tot Ion:138 Resp: 78533  
 Ion Ratio Lower Upper  
 138 100  
 108 12.5 9.7 14.5  
 92 130.3 105.6 158.4

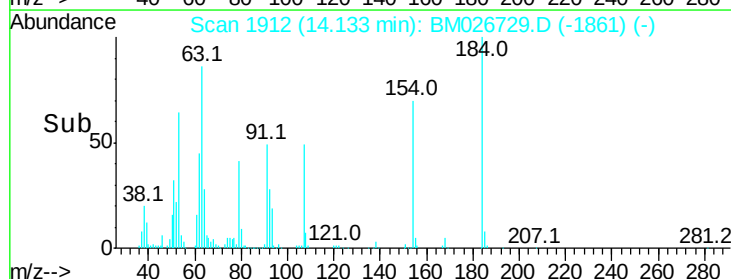
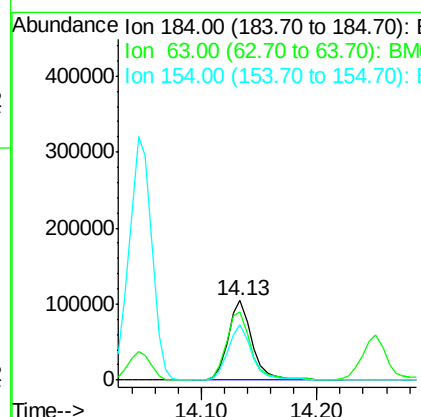
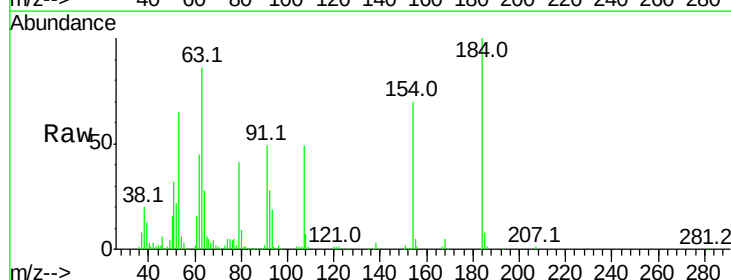
Manual Integrations  
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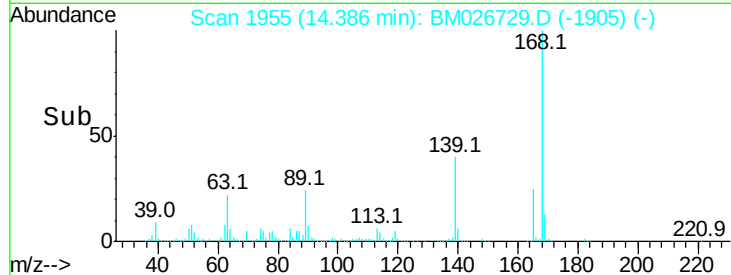
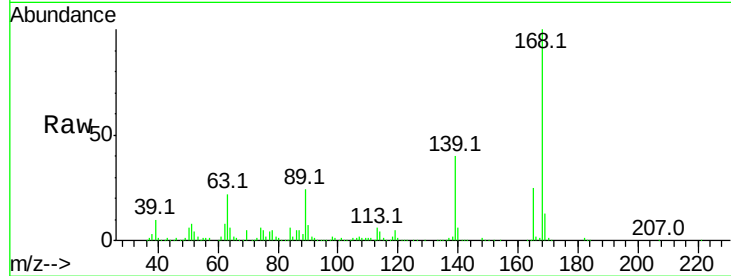
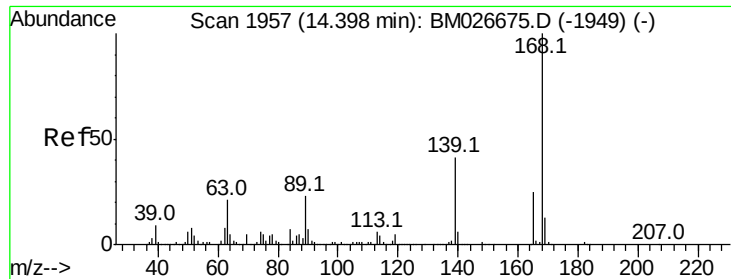
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#54  
 2,4-Dinitrophenol  
 Concen: 78.408 ng  
 RT: 14.13 min Scan# 1912  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:184 Resp: 150406  
 Ion Ratio Lower Upper  
 184 100  
 63 85.9 66.2 99.4  
 154 69.6 55.2 82.8





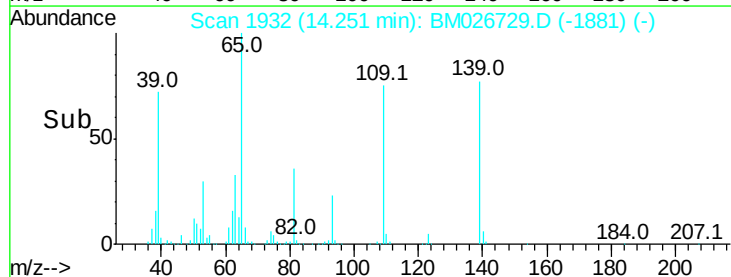
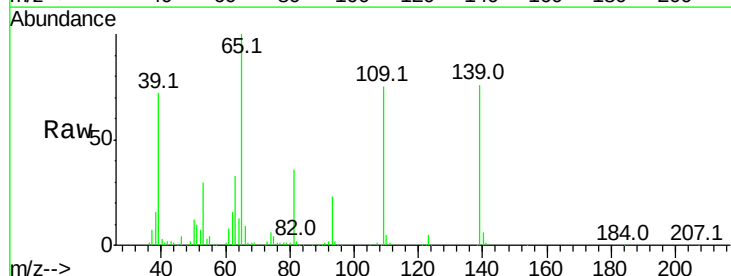
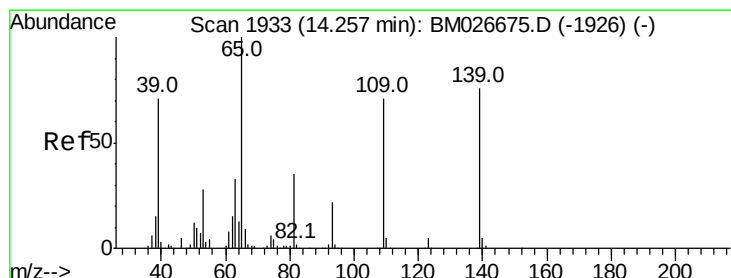
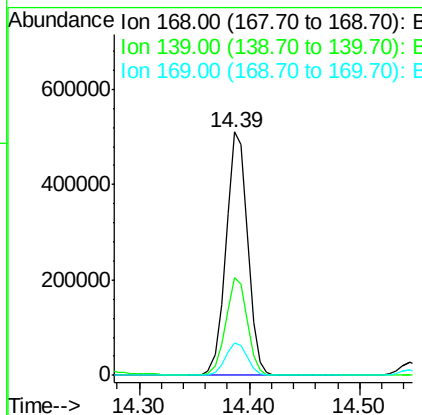
#55  
Dibenzofuran  
Concen: 45.311 ng  
RT: 14.39 min Scan# 1955  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 697371 |       |       |
| 139     | 40.3  | 32.6   | 48.8  |       |
| 169     | 13.3  | 10.5   | 15.7  |       |

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

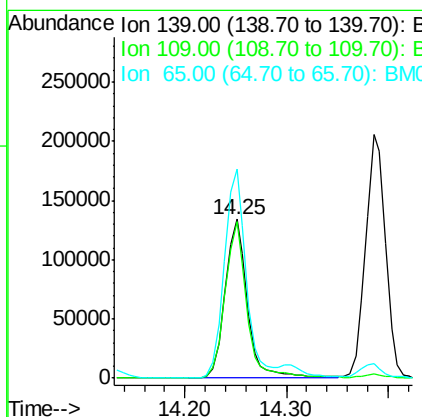
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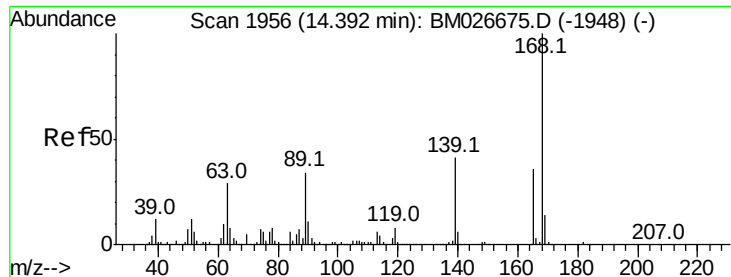


#56  
4-Nitrophenol  
Concen: 81.671 ng  
RT: 14.25 min Scan# 1932  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 205619 |       |       |
| 109     | 98.4  | 73.7   | 113.7 |       |
| 65      | 131.8 | 111.5  | 151.5 |       |







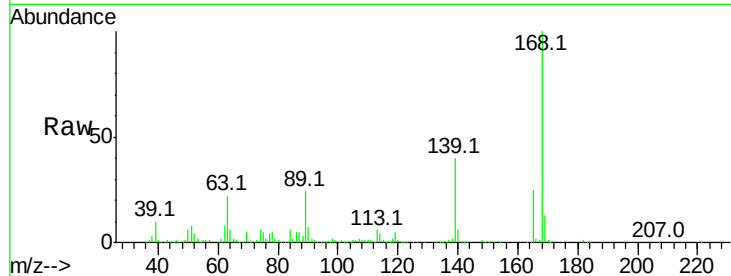
#57  
2,4-Dinitrotoluene  
Concen: 43.278 ng  
RT: 14.39 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 173220 |       |       |
| 63      | 85.3  | 64.6   | 97.0  |       |
| 89      | 94.0  | 75.4   | 113.2 |       |
| 182     | 2.8   | 2.2    | 3.4   |       |

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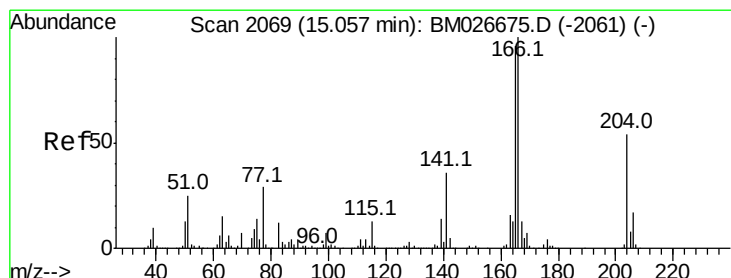
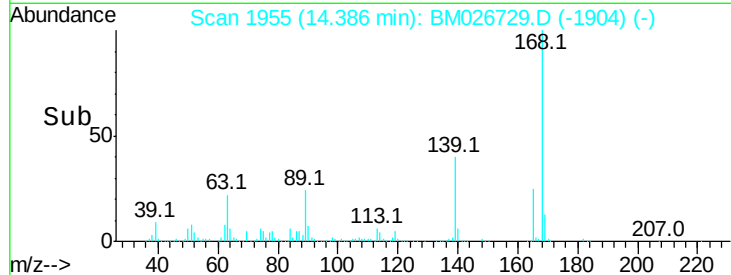
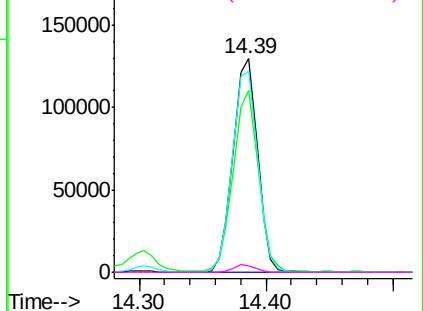
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

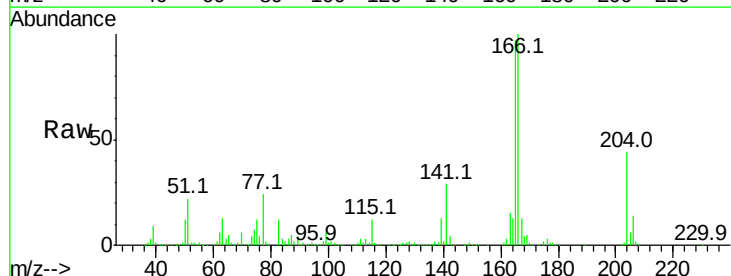
Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 44.281 ng  
RT: 15.04 min Scan# 2067  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 564265 |       |       |
| 165     | 97.4  | 77.1   | 115.7 |       |
| 167     | 13.0  | 10.8   | 16.2  |       |

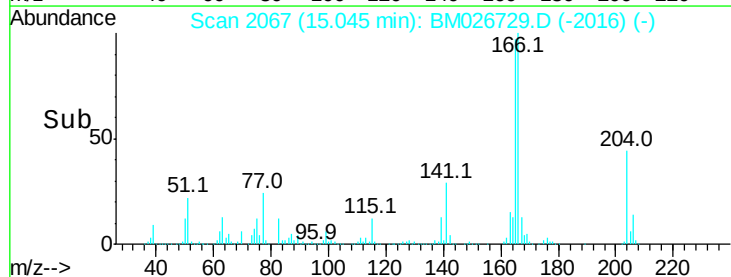
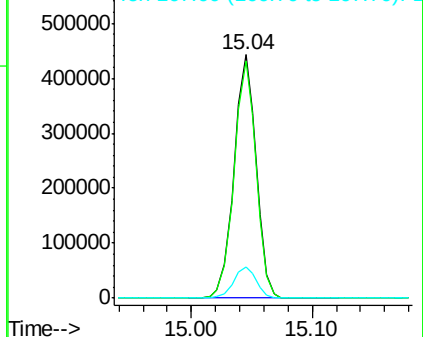


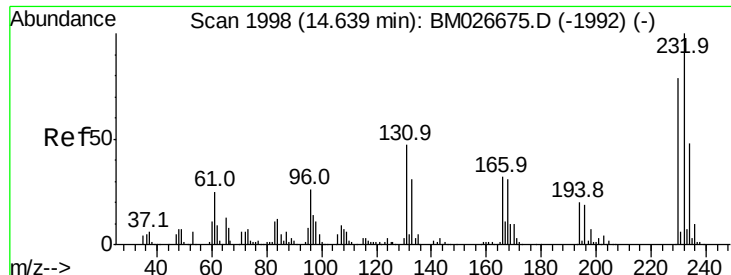
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





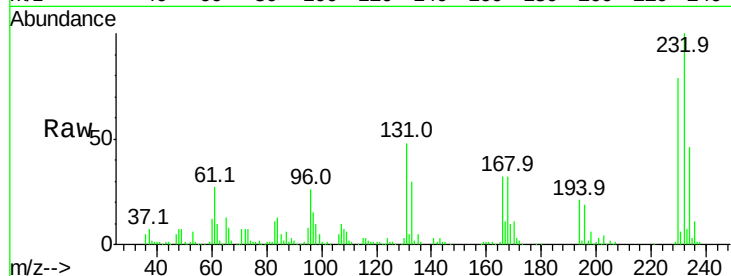
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.685 ng  
 RT: 14.63 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 47.5  | 38.4  | 57.6  |
| 130     | 2.9   | 2.2   | 3.2   |
| 166     | 32.1  | 25.4  | 38.0  |

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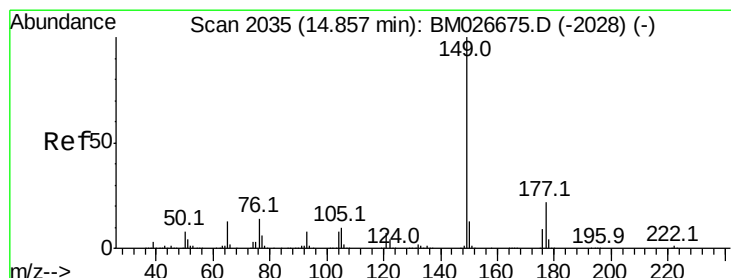
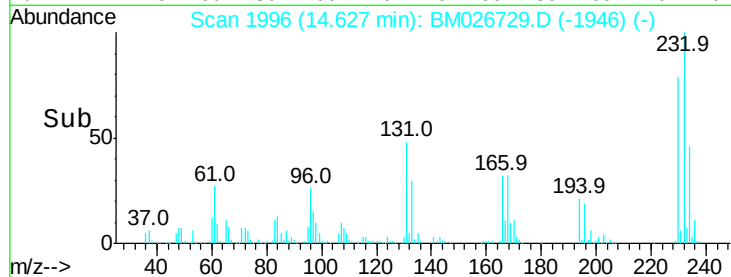
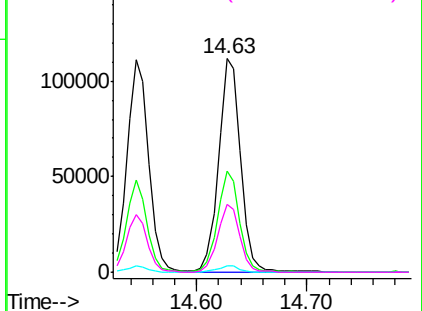
Abundance

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: 41.741 ng  
 RT: 14.85 min Scan# 2034  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

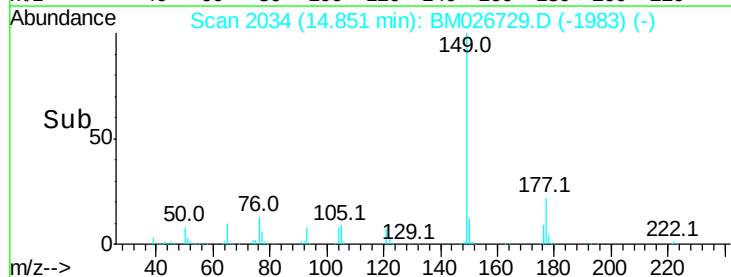
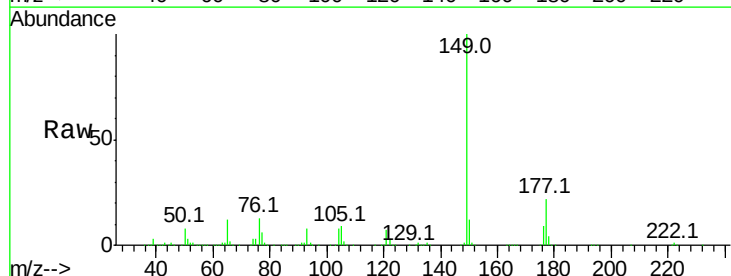
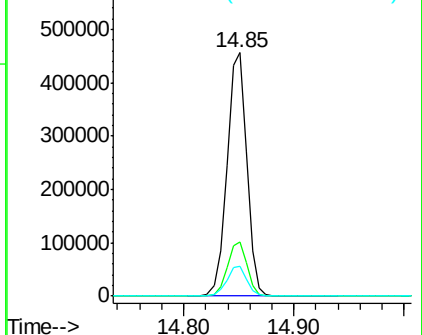
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.2  | 17.8  | 26.6  |
| 150     | 12.5  | 10.2  | 15.4  |

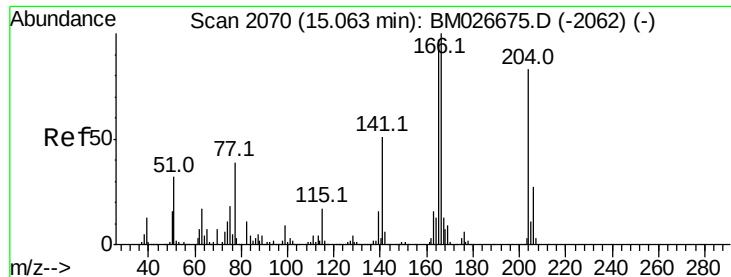
Abundance

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: 41.909 ng

RT: 15.05 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

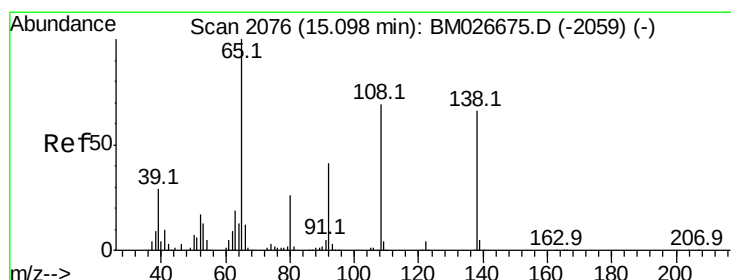
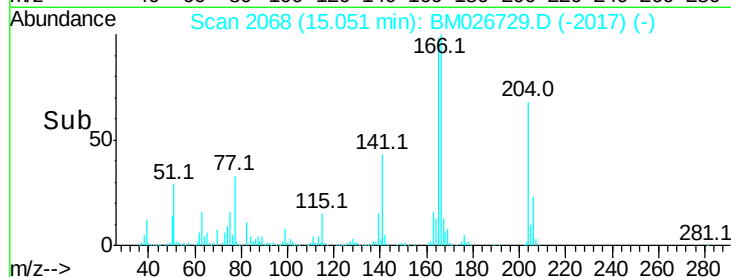
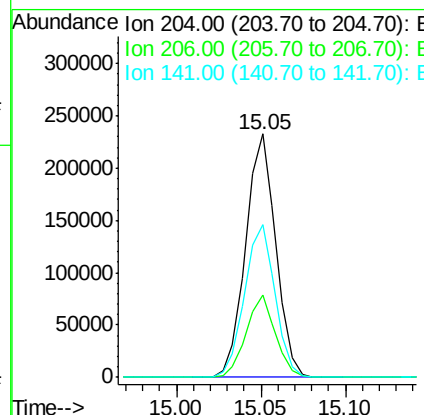
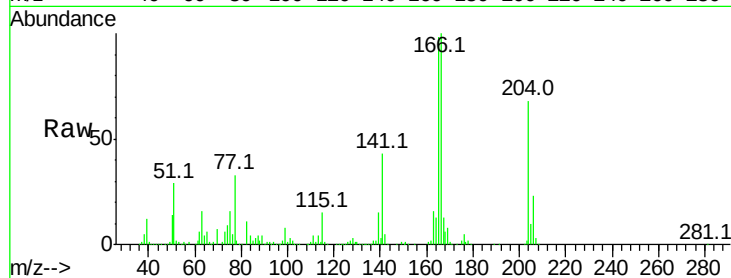
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 289336 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.6  | 25.9  | 38.9   |
| 141       | 62.8  | 49.5  | 74.3   |

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#62

4-Nitroaniline

Concen: 36.736 ng m

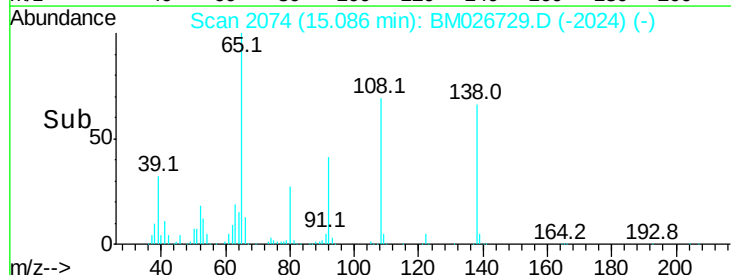
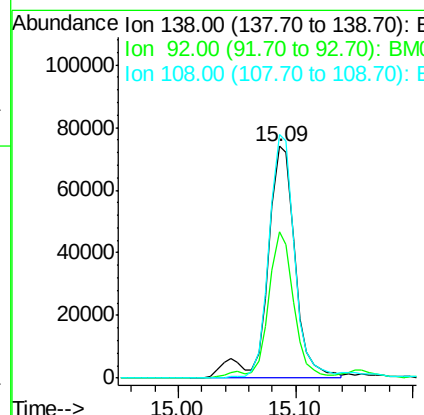
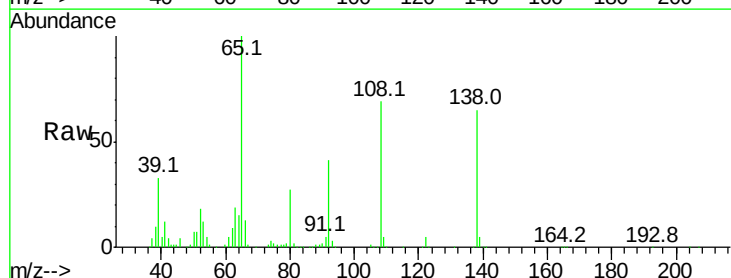
RT: 15.09 min Scan# 2074

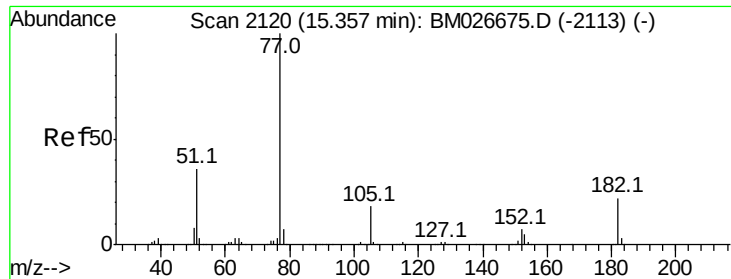
Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 121182 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 62.9  | 41.5  | 81.5   |
| 108       | 105.1 | 84.8  | 124.8  |





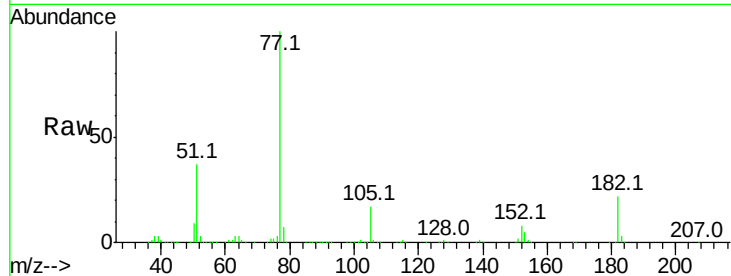
#63  
Azobenzene  
Concen: 44.143 ng  
RT: 15.34 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 21.5  | 1.6   | 41.6  |
| 105     | 17.2  | 0.0   | 37.8  |
| 51      | 36.5  | 16.5  | 56.5  |

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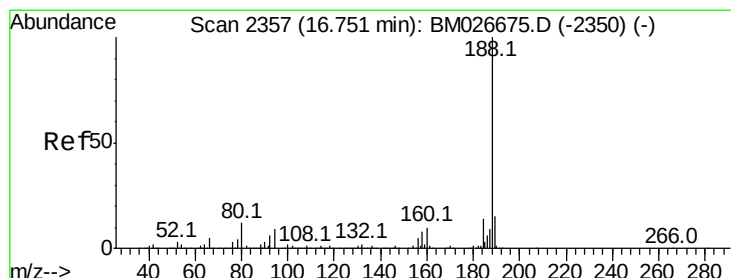
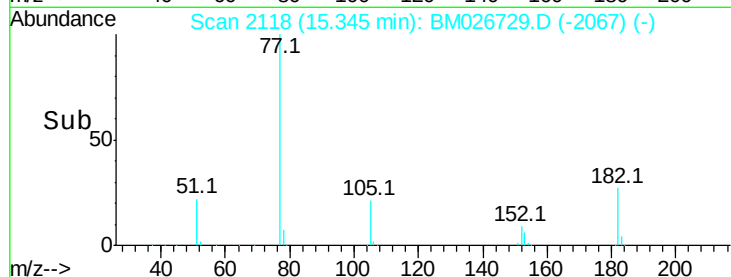
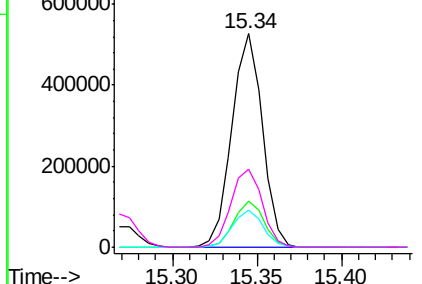


Abundance Ion 77.00 (76.70 to 77.70): BM026675.D (-2113) (-)

Ion 182.00 (181.70 to 182.70): BM026675.D (-2113) (-)

Ion 105.00 (104.70 to 105.70): BM026675.D (-2113) (-)

Ion 51.00 (50.70 to 51.70): BM026675.D (-2113) (-)



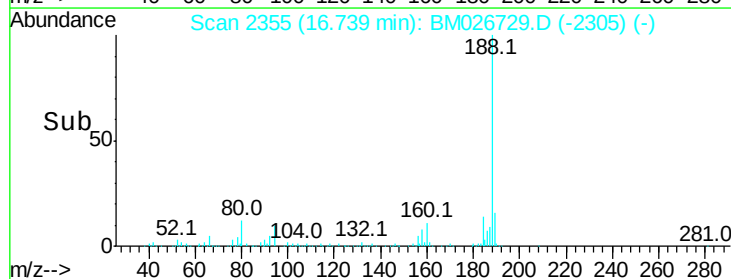
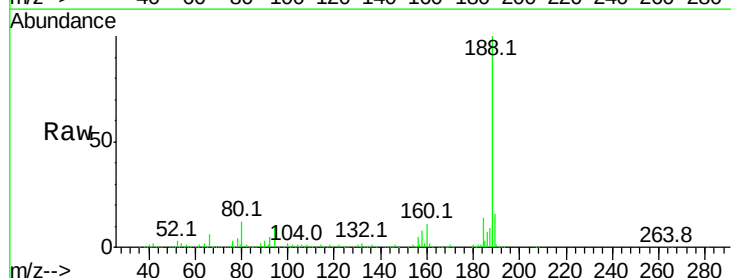
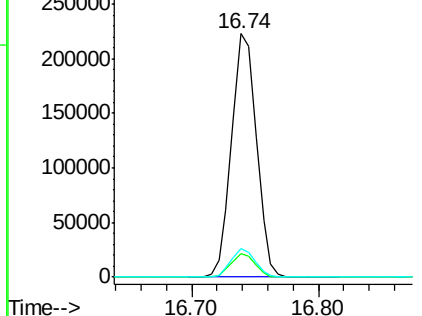
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.74 min Scan# 2355  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

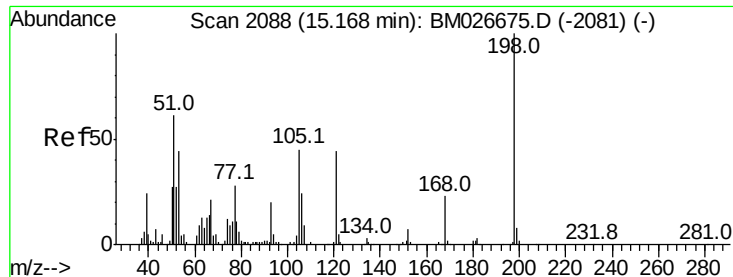
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 7.4   | 11.0  |
| 80      | 11.8  | 9.3   | 13.9  |

Abundance Ion 188.00 (187.70 to 188.70): BM026675.D (-2350) (-)

Ion 94.00 (93.70 to 94.70): BM026675.D (-2350) (-)

Ion 80.00 (79.70 to 80.70): BM026675.D (-2350) (-)





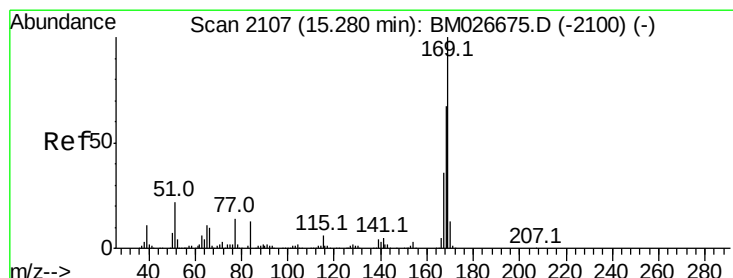
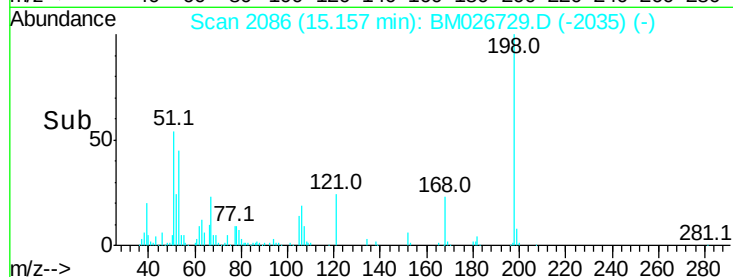
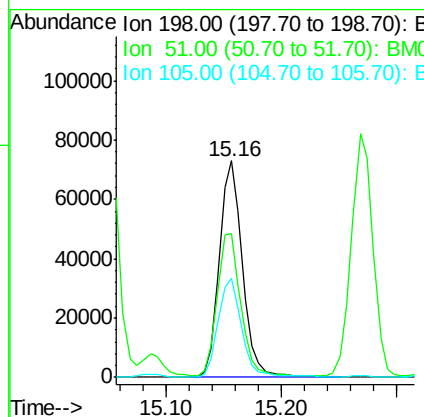
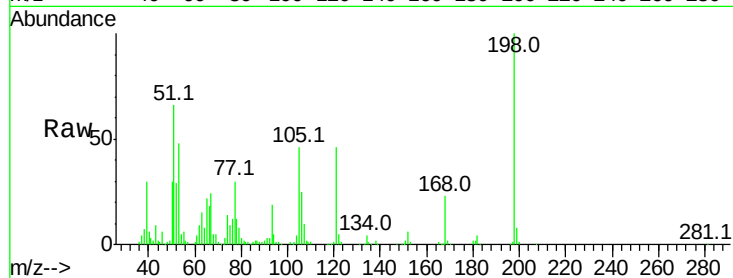
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 45.712 ng  
 RT: 15.16 min Scan# 2086  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 100987 |       |       |
| 51      | 66.2  |        | 42.0  | 82.0  |
| 105     | 46.0  |        | 24.9  | 64.9  |

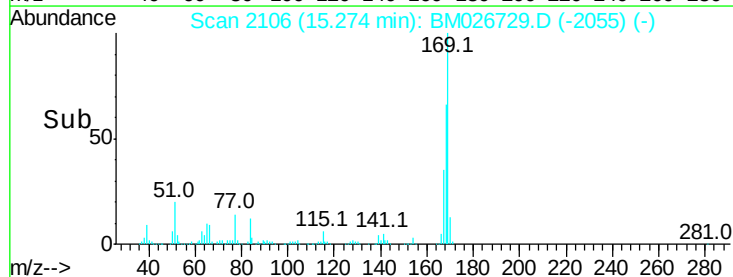
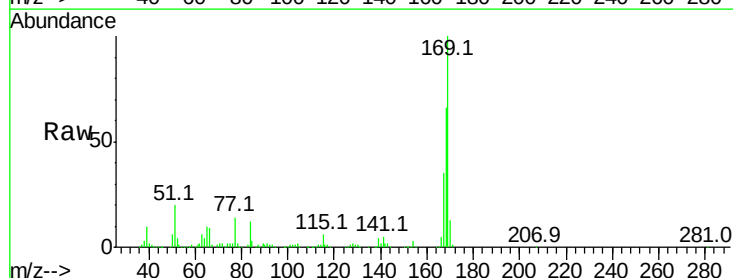
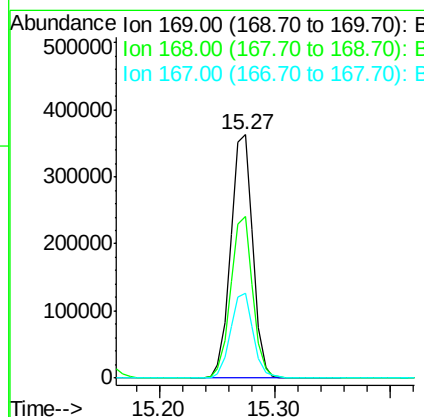
Manual Integrations  
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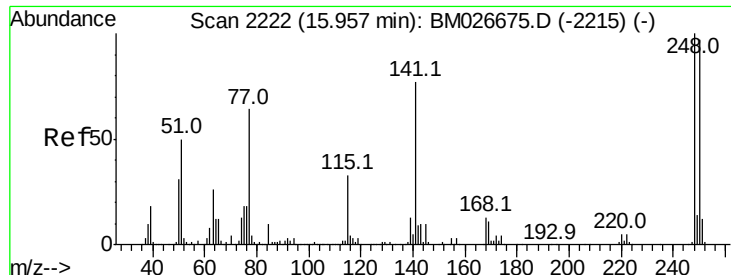
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#66  
 n-Nitrosodiphenylamine  
 Concen: 49.602 ng  
 RT: 15.27 min Scan# 2106  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 477257 |       |       |
| 168     | 66.3  |        | 53.8  | 80.8  |
| 167     | 34.8  |        | 28.6  | 43.0  |





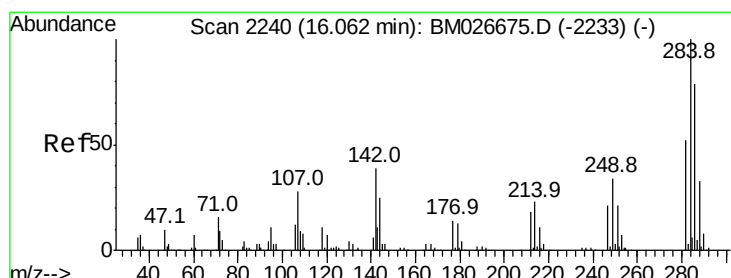
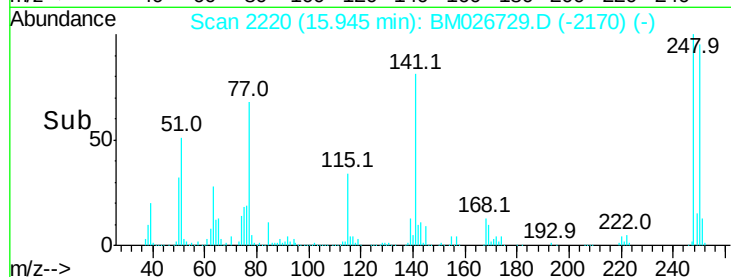
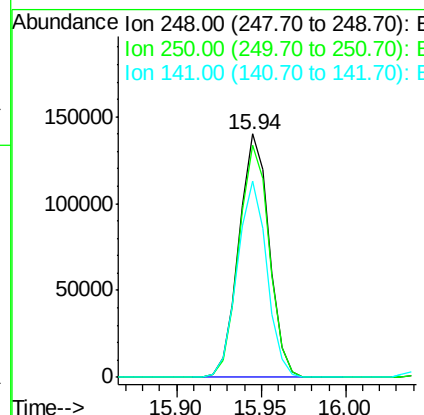
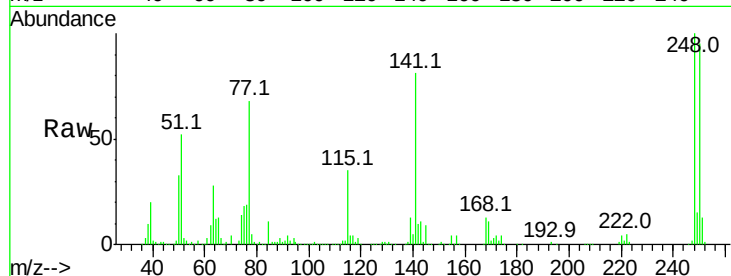
#67  
 4-Bromophenyl-phenylether  
 Concen: 46.289 ng  
 RT: 15.94 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.5  | 77.4  | 116.2 |
| 141     | 80.8  | 61.9  | 92.9  |

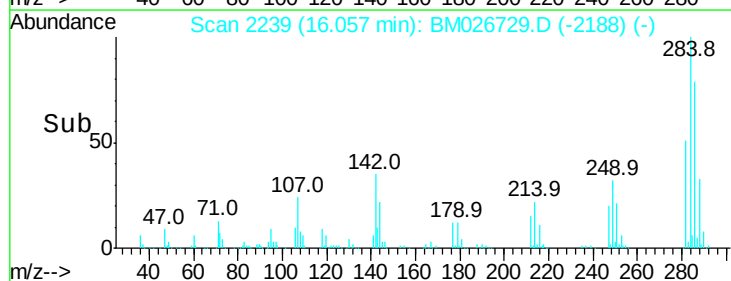
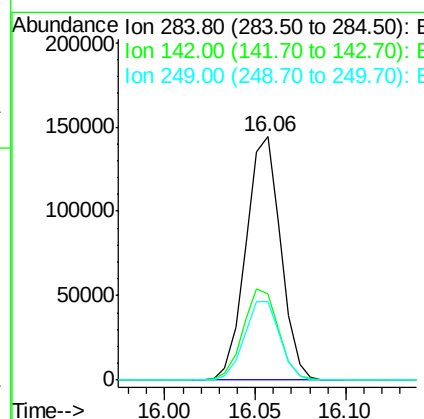
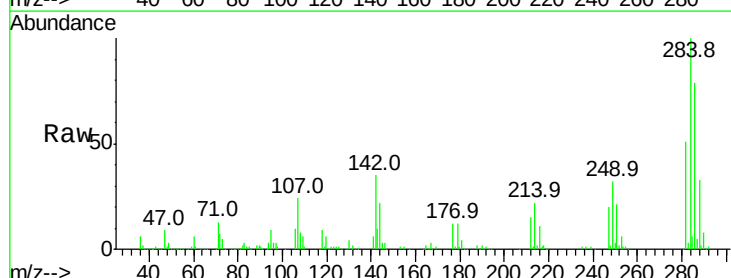
Manual Integrations  
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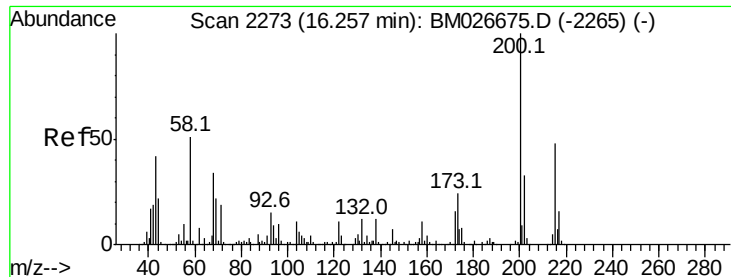
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#68  
 Hexachlorobenzene  
 Concen: 48.426 ng  
 RT: 16.06 min Scan# 2239  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.3  | 31.1  | 46.7  |
| 249     | 32.2  | 27.4  | 41.0  |





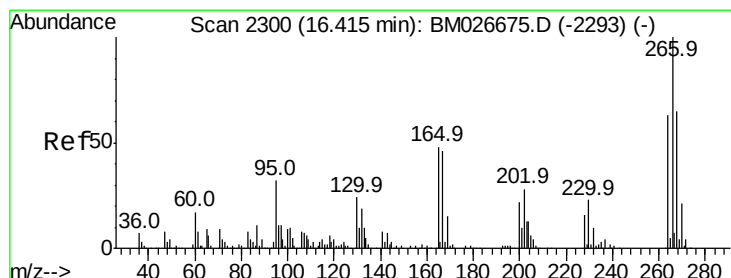
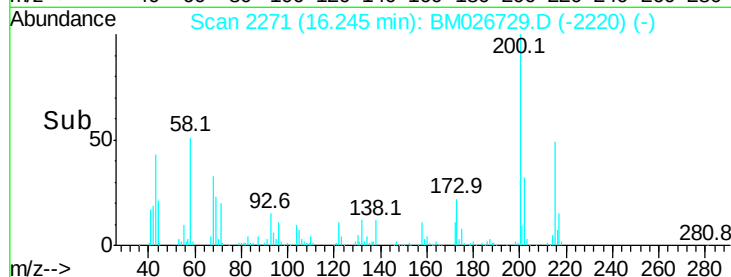
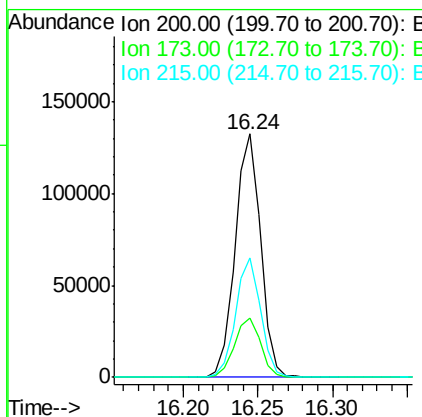
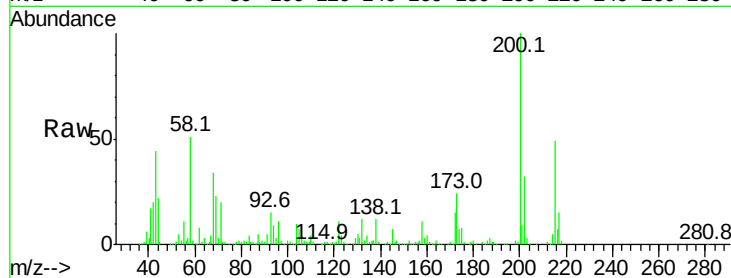
#69  
 Atrazine  
 Concen: 54.581 ng  
 RT: 16.24 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.5  | 4.5   | 44.5  |
| 215     | 48.9  | 28.4  | 68.4  |

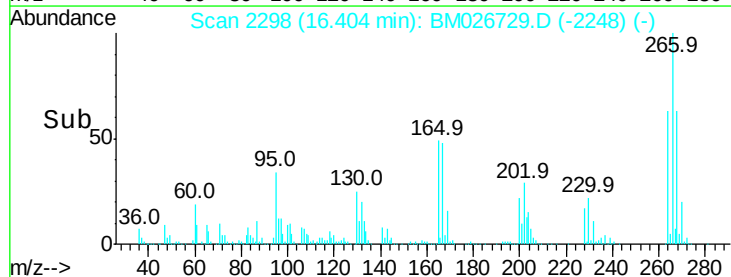
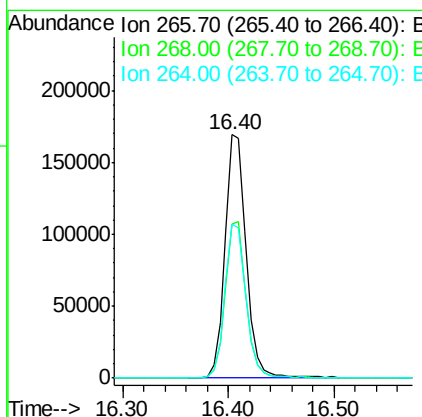
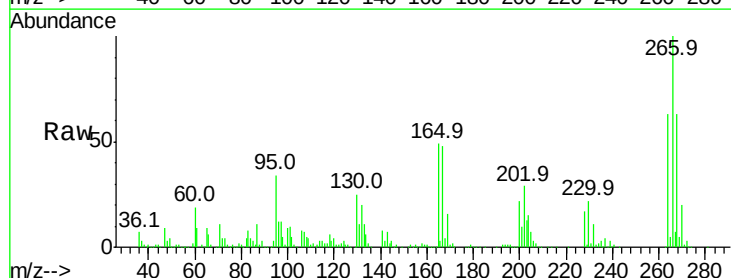
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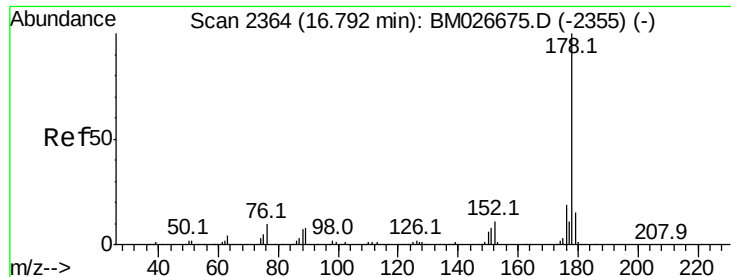
mohammad  
 7/13/2020 1:02:43 PM



#70  
 Pentachlorophenol  
 Concen: 104.515 ng  
 RT: 16.40 min Scan# 2298  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.1  | 51.8  | 77.6  |
| 264     | 63.3  | 50.1  | 75.1  |





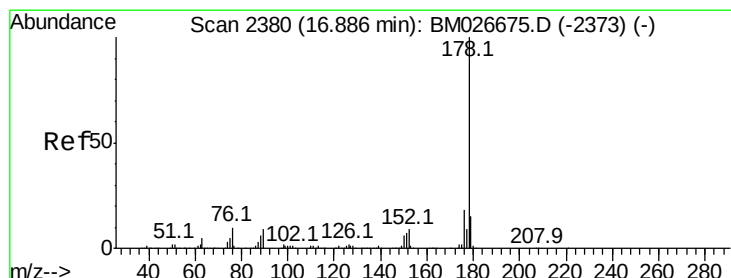
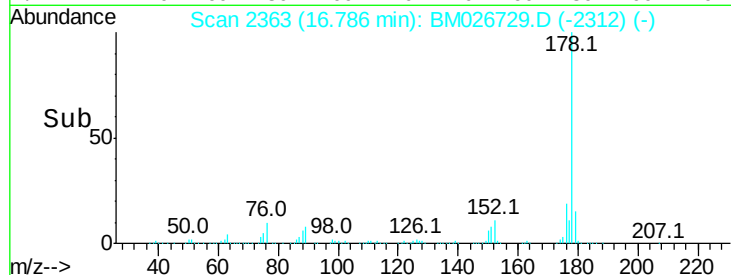
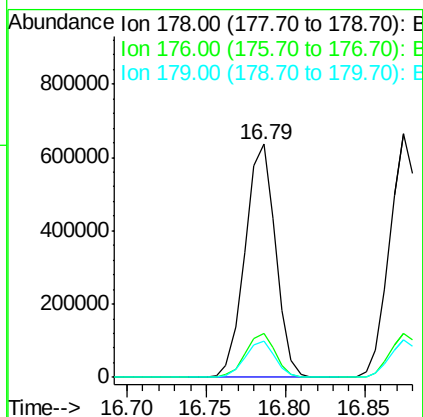
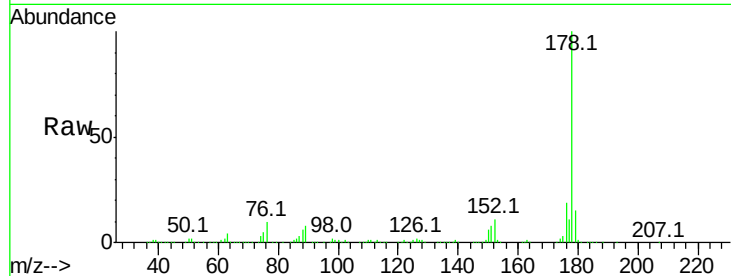
#71  
Phenanthrene  
Concen: 47.573 ng  
RT: 16.79 min Scan# 2363  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.0  | 22.6  |
| 179     | 15.4  | 12.1  | 18.1  |

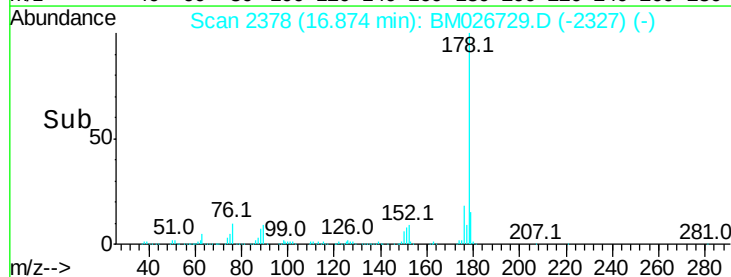
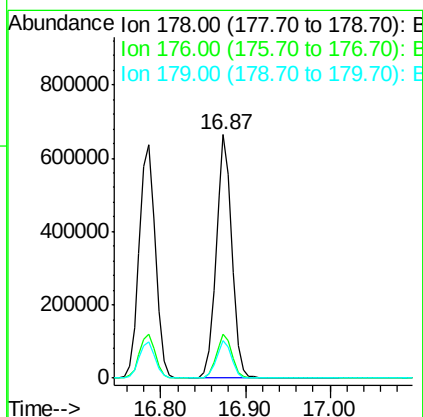
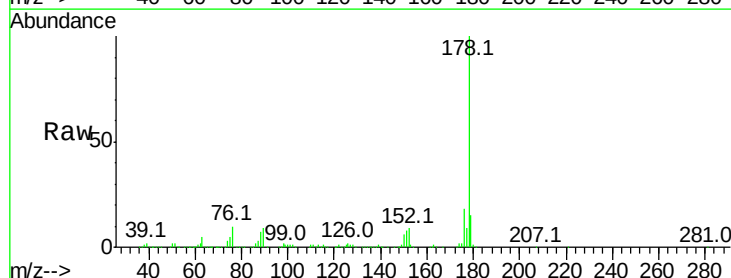
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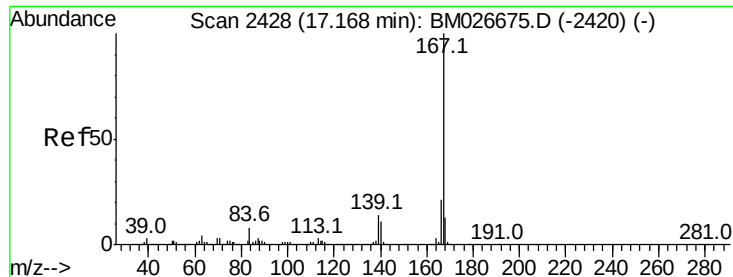


#72  
Anthracene  
Concen: 48.828 ng  
RT: 16.87 min Scan# 2378  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 14.7  | 22.1  |
| 179     | 15.3  | 12.1  | 18.1  |







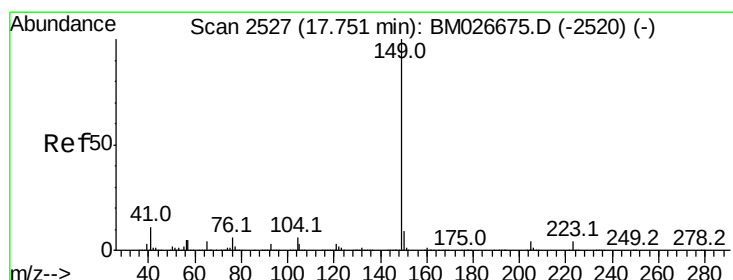
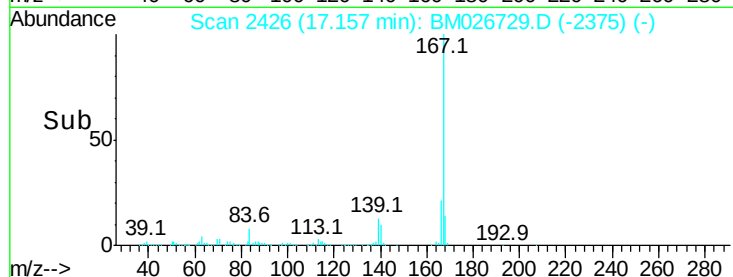
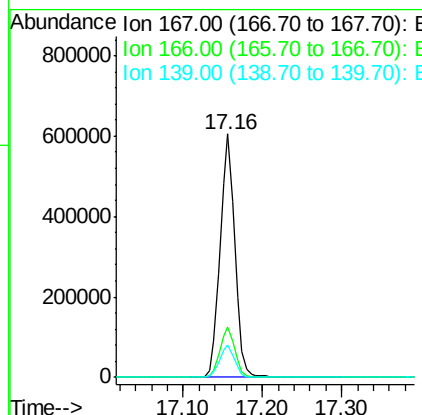
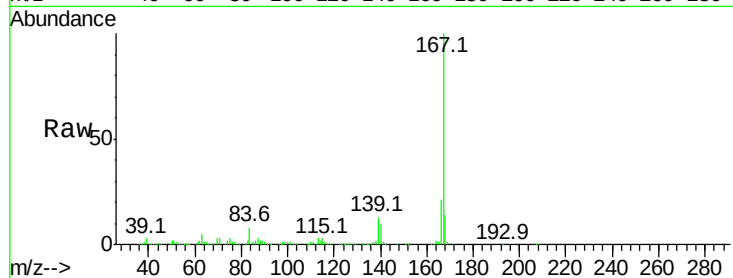
#73  
 Carbazole  
 Concen: 45.927 ng  
 RT: 17.16 min Scan# 2426  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.6  | 16.9  | 25.3  |
| 139     | 13.4  | 10.8  | 16.2  |

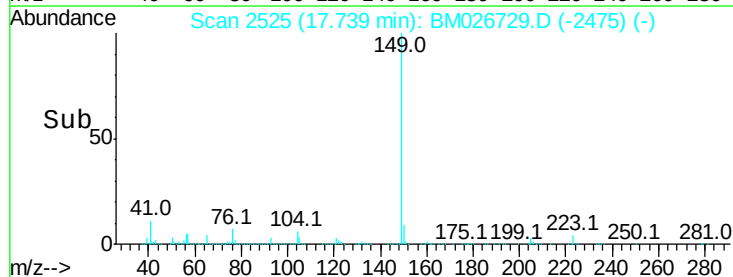
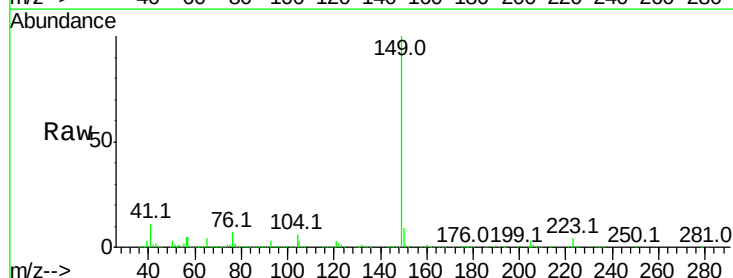
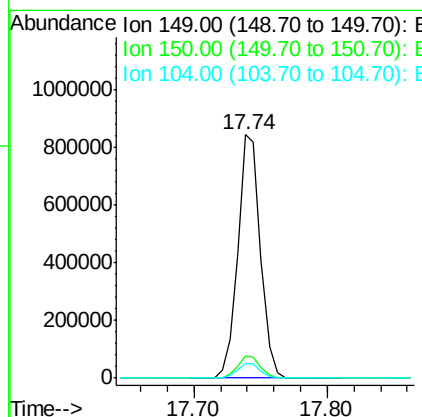
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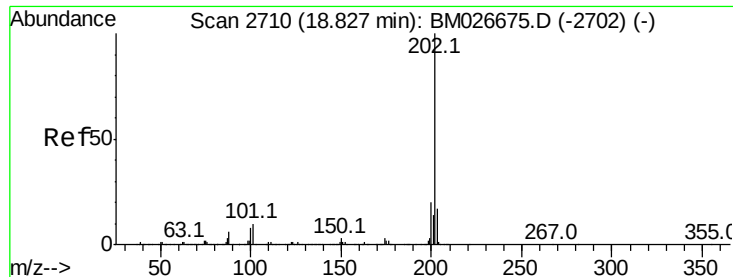
mohammad  
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#74  
 Di-n-butylphthalate  
 Concen: 46.438 ng  
 RT: 17.74 min Scan# 2525  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.3   | 10.9  |
| 104     | 6.2   | 5.0   | 7.4   |





#75

Fluoranthene

Concen: 47.295 ng

RT: 18.82 min Scan# 2708

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

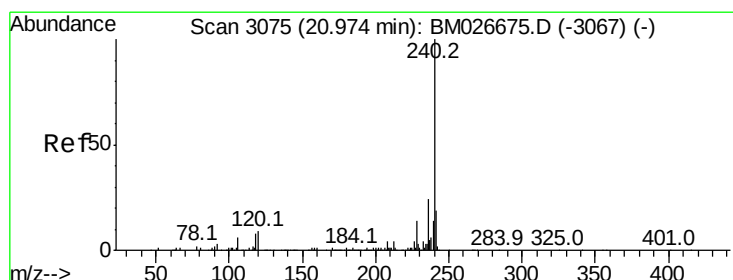
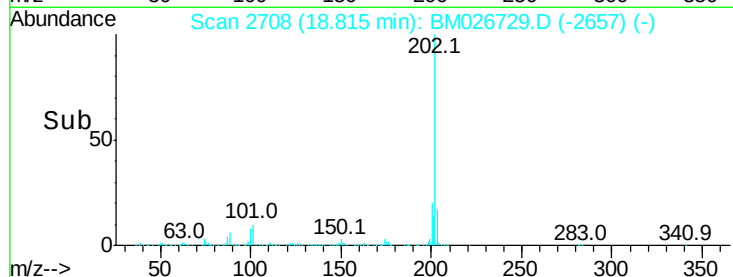
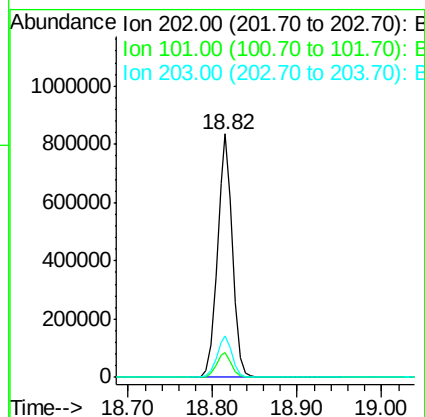
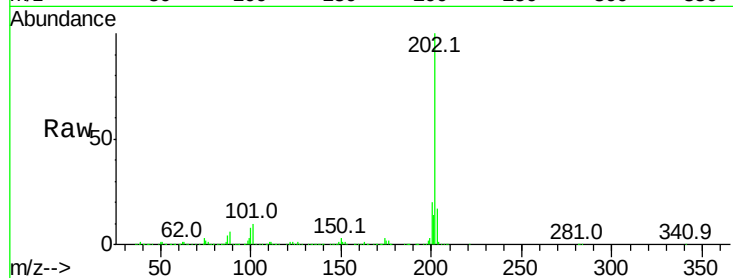
ClientSampleId :

MUDDY-DRUMMSD

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 1041224 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 10.3  | 0.0   | 30.1    |
| 203      | 16.8  | 0.0   | 37.2    |

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#76

Chrysene-d12

Concen: 20.000 ng

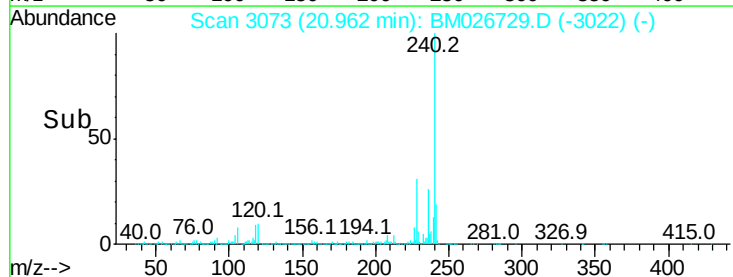
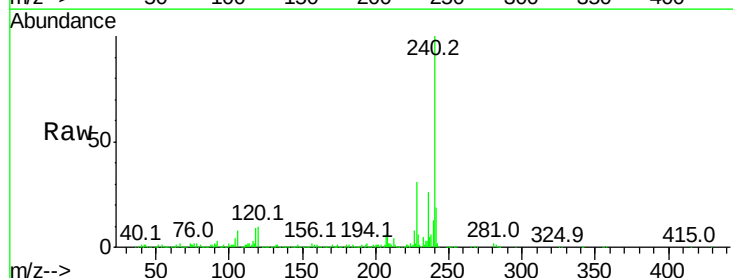
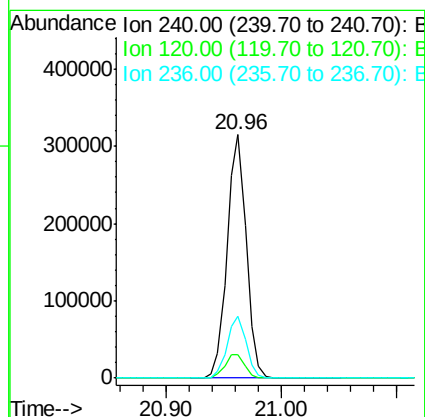
RT: 20.96 min Scan# 3073

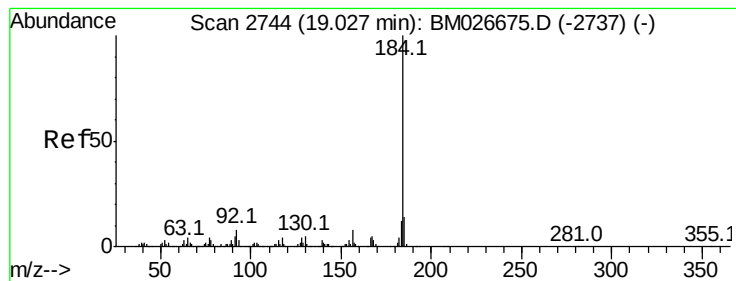
Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 360712 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.8   | 7.3   | 10.9   |
| 236      | 25.5  | 19.4  | 29.2   |





#77

Benzidine

Concen: 71.269 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

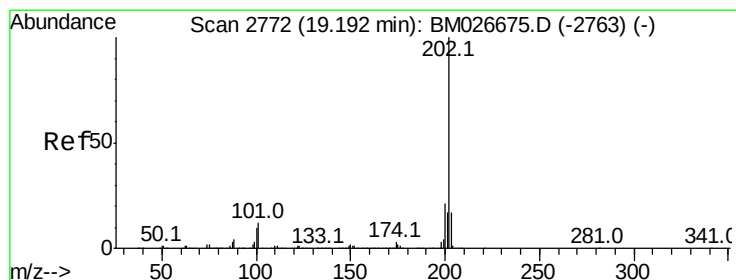
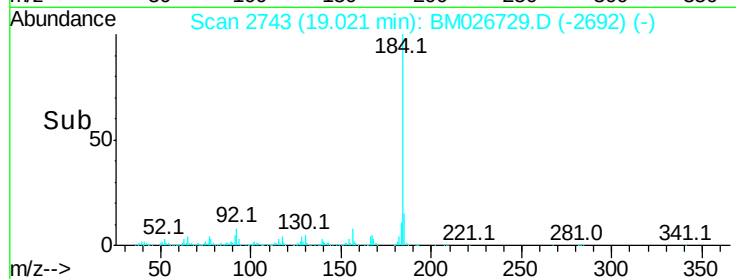
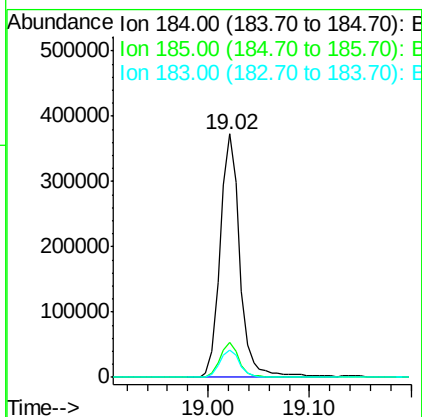
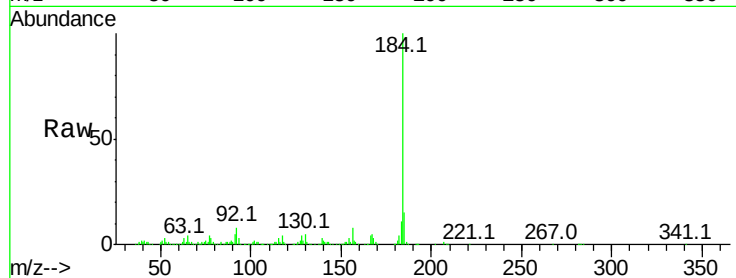
ClientSampleId :

MUDDY-DRUMMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 506822 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.6  | 10.9  | 16.3   |
| 183       | 11.4  | 9.3   | 13.9   |

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#78

Pyrene

Concen: 46.322 ng

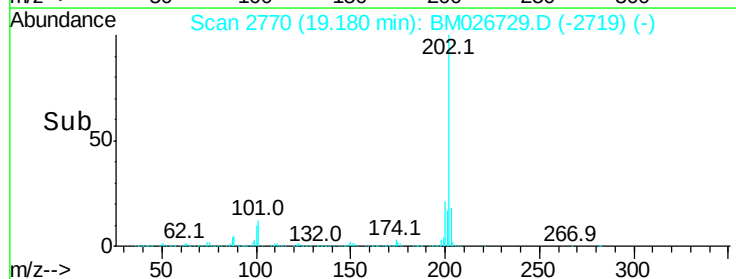
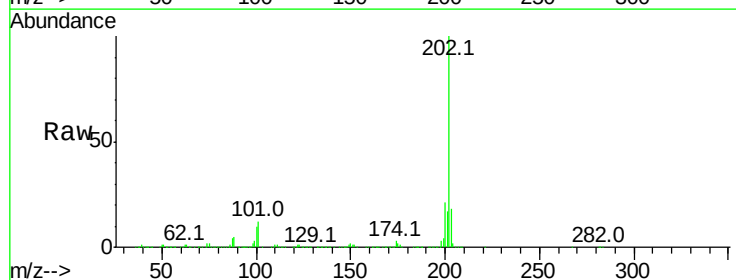
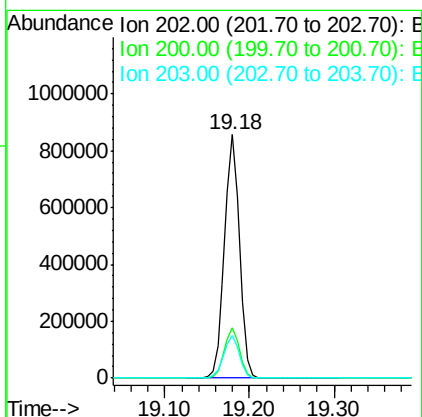
RT: 19.18 min Scan# 2770

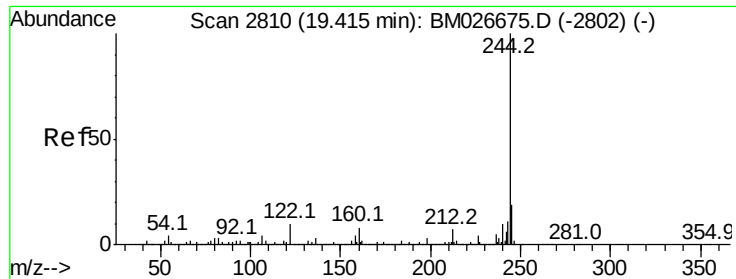
Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1052572 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.5  | 16.6  | 24.8    |
| 203       | 17.5  | 13.7  | 20.5    |





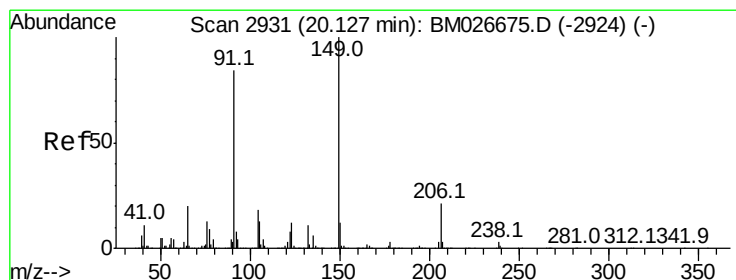
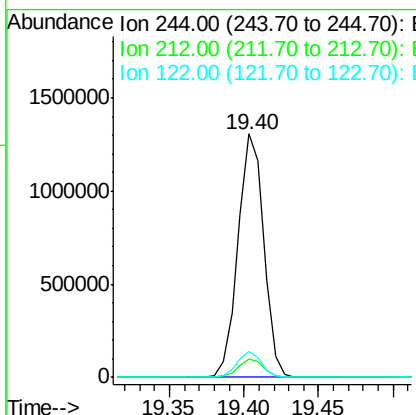
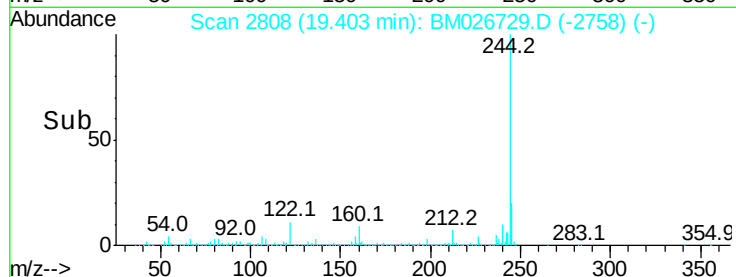
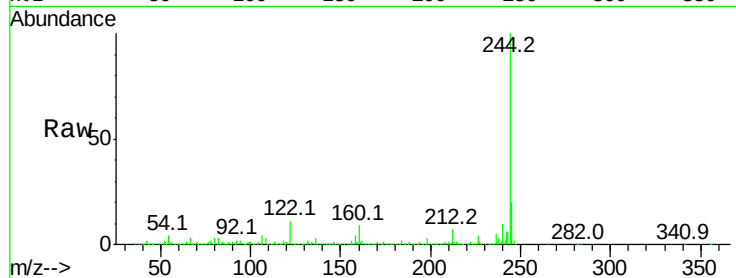
#79  
 Terphenyl-d14  
 Concen: 85.455 ng  
 RT: 19.40 min Scan# 2808  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Tot Ion:244 Resp: 1566287  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.9 8.9  
 122 10.7 8.2 12.4

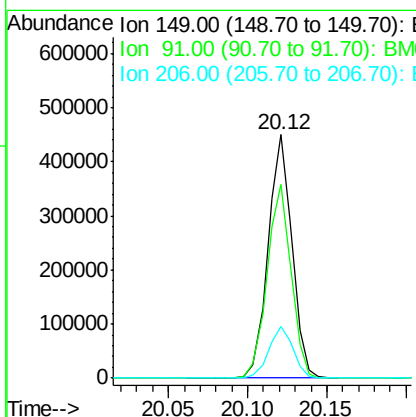
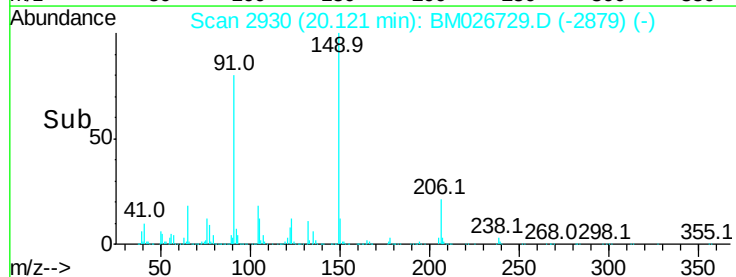
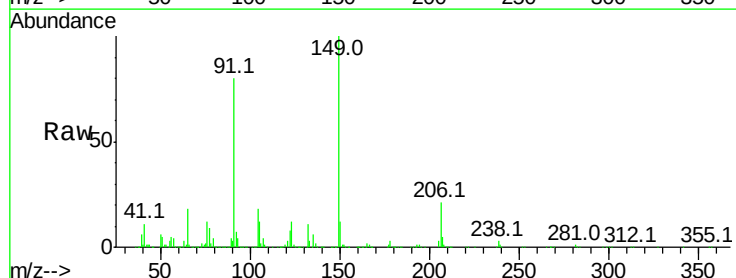
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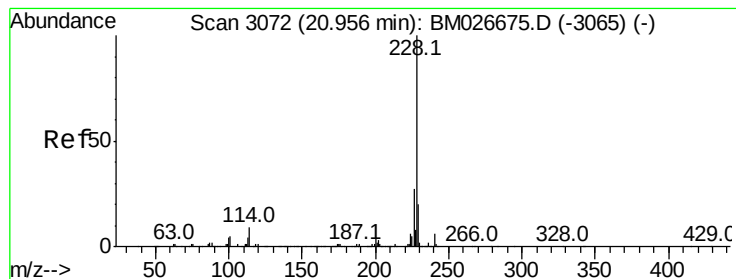
mohammad  
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#80  
 Butylbenzylphthalate  
 Concen: 46.274 ng  
 RT: 20.12 min Scan# 2930  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:149 Resp: 471853  
 Ion Ratio Lower Upper  
 149 100  
 91 79.7 67.6 101.4  
 206 21.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 46.162 ng

RT: 20.94 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion:228 Resp: 1118491

Ion Ratio Lower Upper

228 100

226 26.4 21.4 32.2

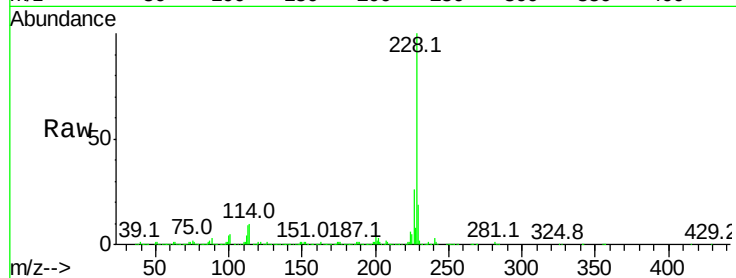
229 19.4 15.6 23.4

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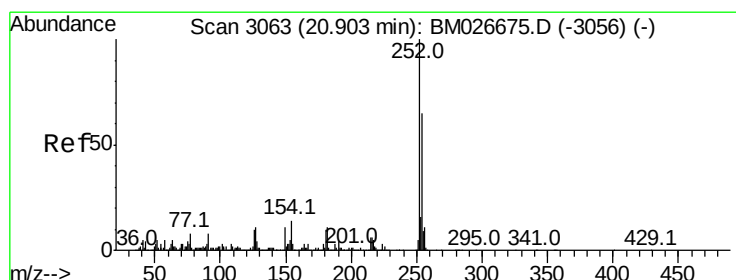
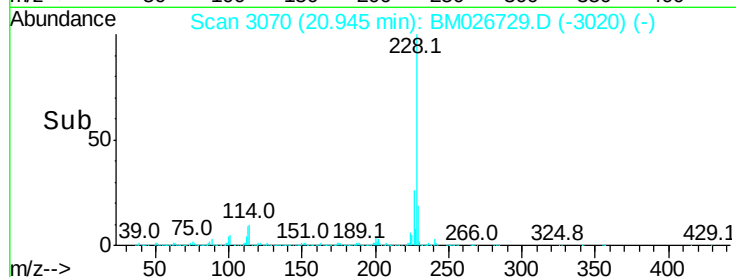
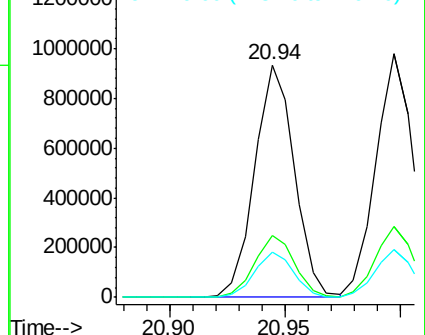
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.993 ng

RT: 20.89 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

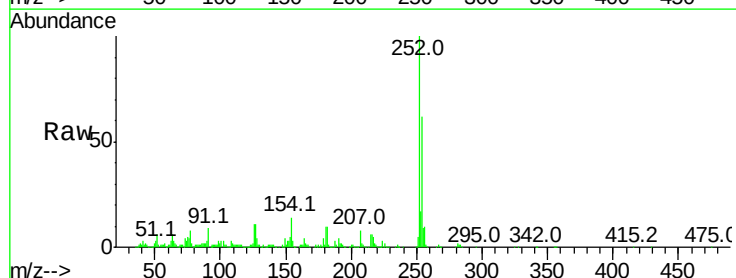
Tgt Ion:252 Resp: 261417

Ion Ratio Lower Upper

252 100

254 61.9 51.9 77.9

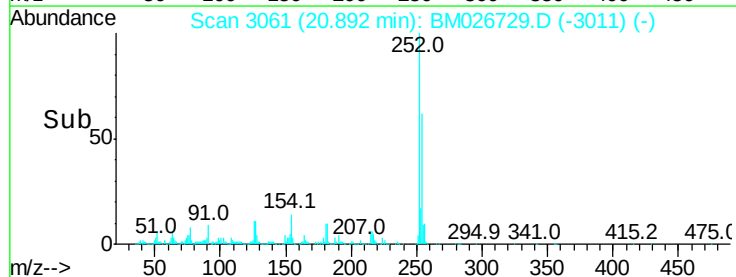
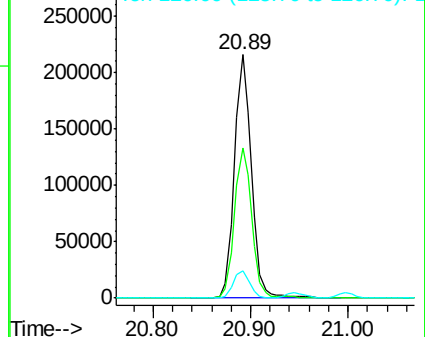
126 11.2 8.2 12.2

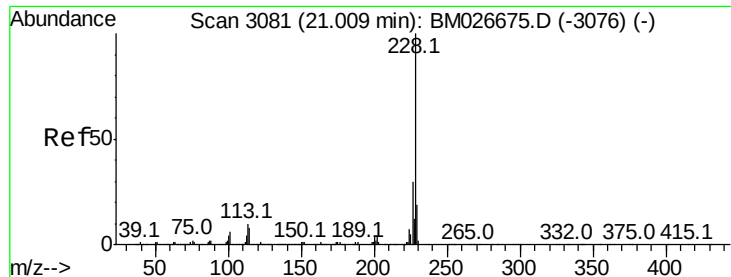


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





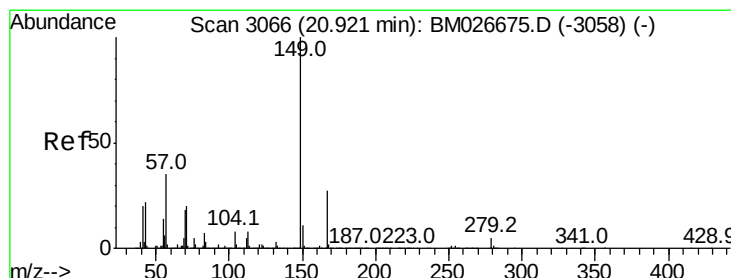
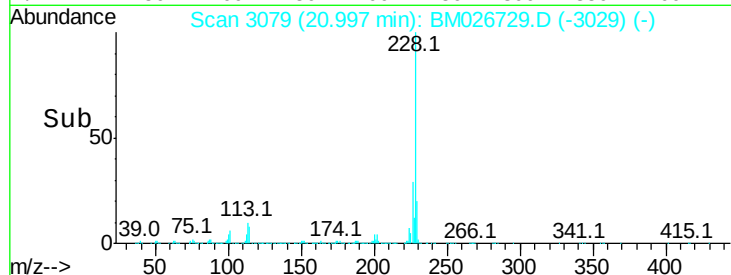
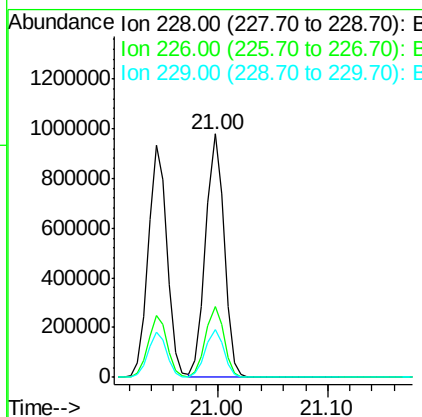
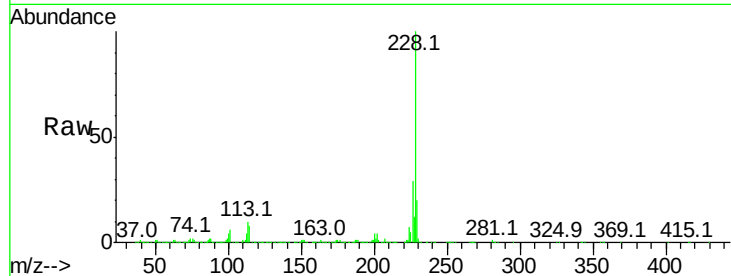
#83  
 Chrysene  
 Concen: 46.865 ng  
 RT: 21.00 min Scan# 3079  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.3  | 23.7  | 35.5  |
| 229     | 19.6  | 15.4  | 23.0  |

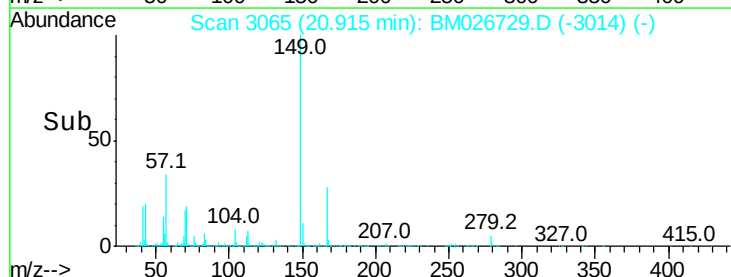
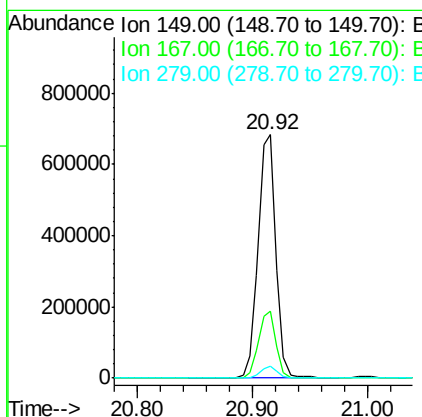
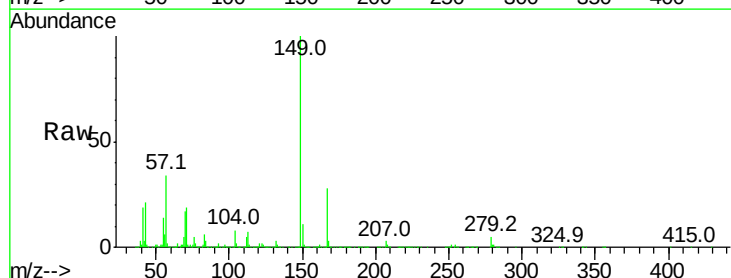
Manual Integrations  
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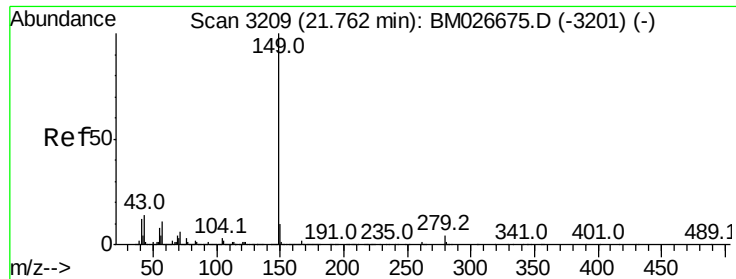
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.985 ng  
 RT: 20.92 min Scan# 3065  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.6  | 21.9  | 32.9  |
| 279     | 5.1   | 3.7   | 5.5   |





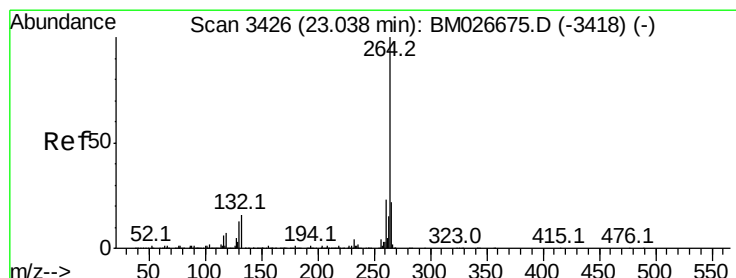
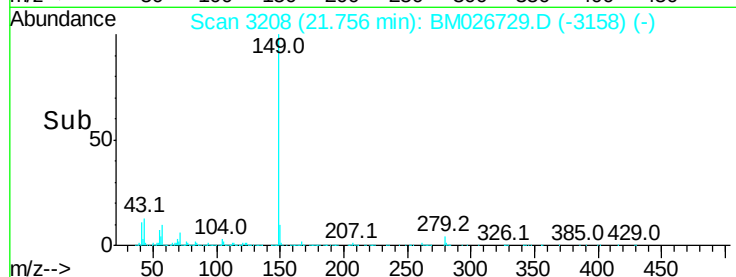
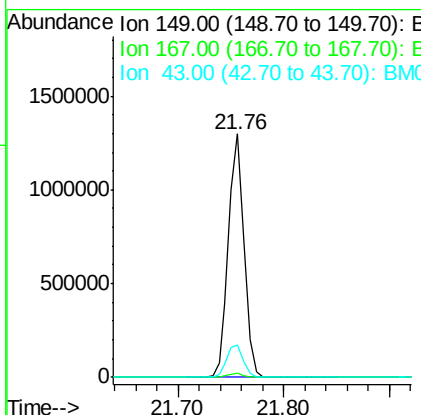
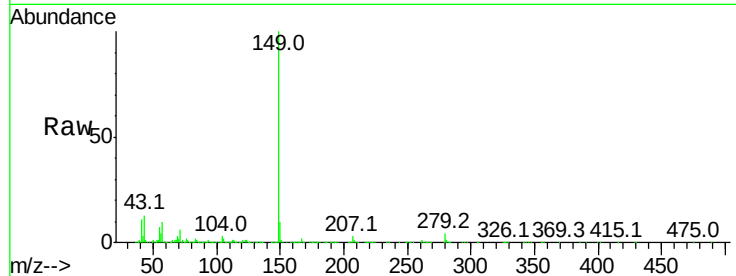
#85  
Di-n-octyl phthalate  
Concen: 47.323 ng  
RT: 21.76 min Scan# 3208  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 14.2  | 11.2  | 16.8  |

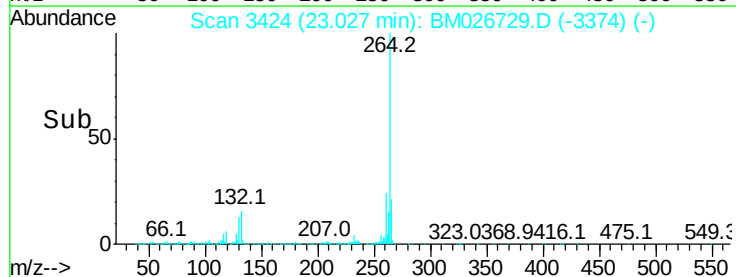
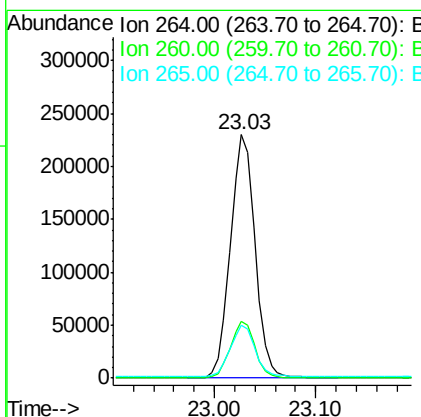
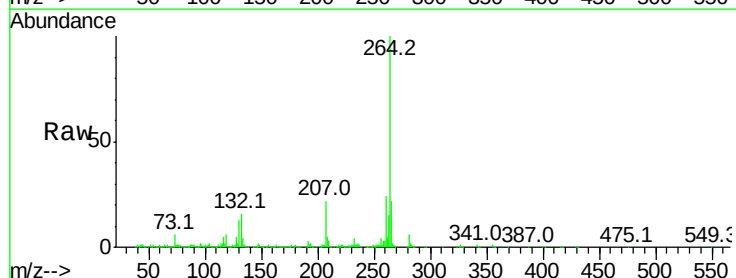
Manual Integrations  
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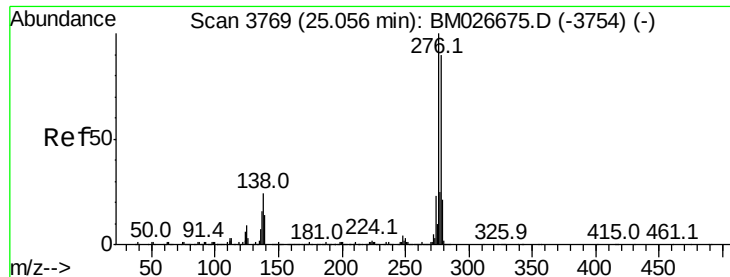
mohammad  
7/13/2020 1:02:43 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.03 min Scan# 3424  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.2  | 27.2  |
| 265     | 21.8  | 17.6  | 26.4  |





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 55.403 ng  
 RT: 25.04 min Scan# 3766  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

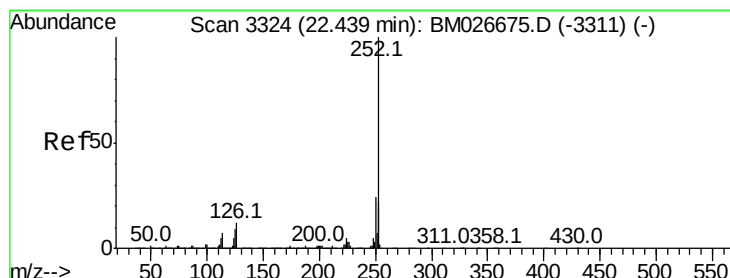
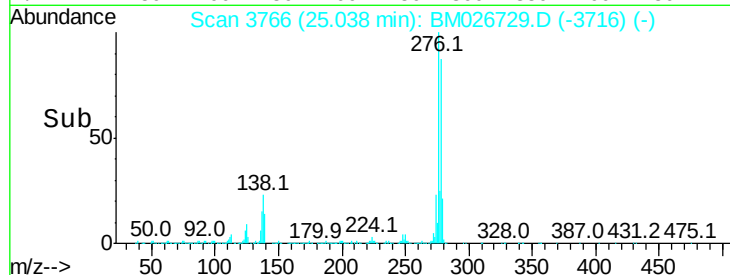
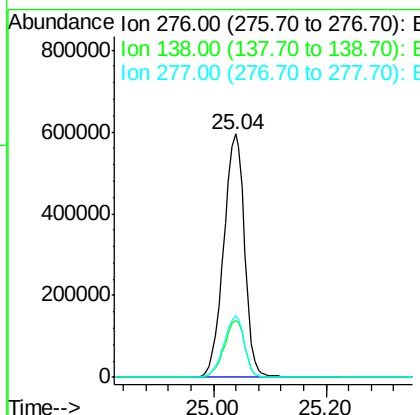
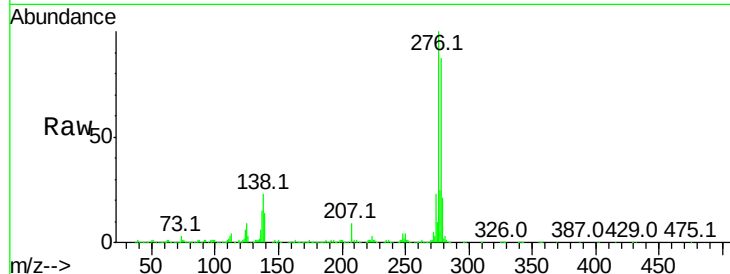
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Tot Ion:276 Resp: 1535044  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 23.1  | 18.4  | 27.6  |
| 277 | 24.9  | 20.0  | 30.0  |

Manual Integrations  
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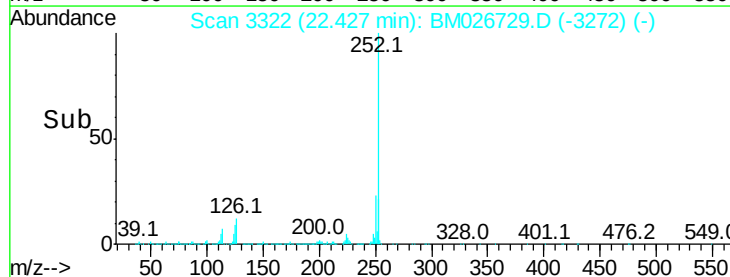
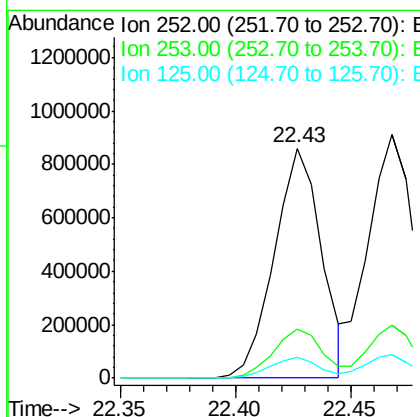
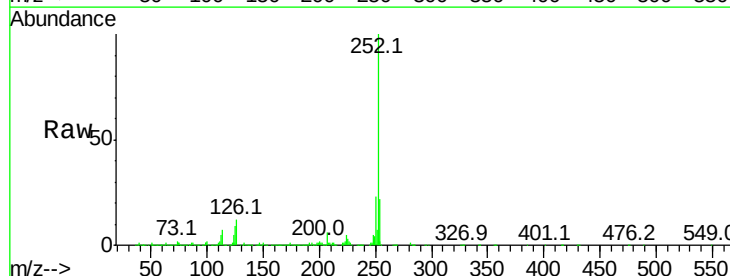
mohammad  
 7/13/2020 1:02:43 PM



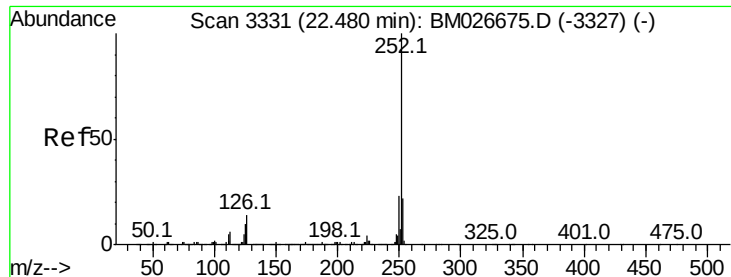
#88  
 Benzo(b)fluoranthene  
 Concen: 47.488 ng  
 RT: 22.43 min Scan# 3322  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:252 Resp: 1217777  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.5  | 17.5  | 26.3  |
| 125 | 9.2   | 7.5   | 11.3  |







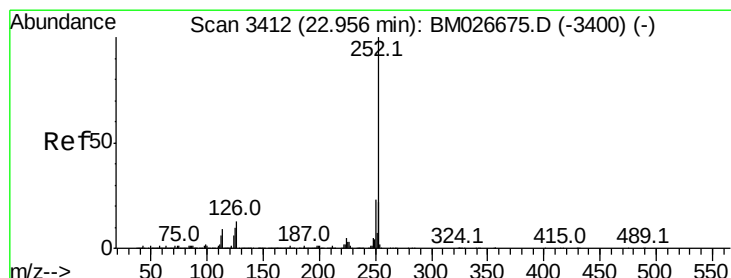
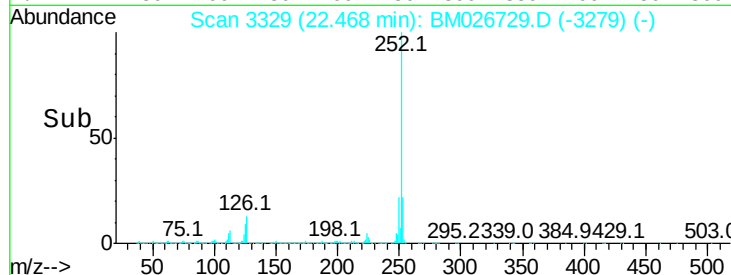
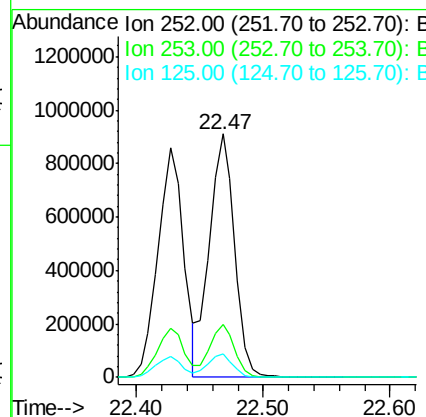
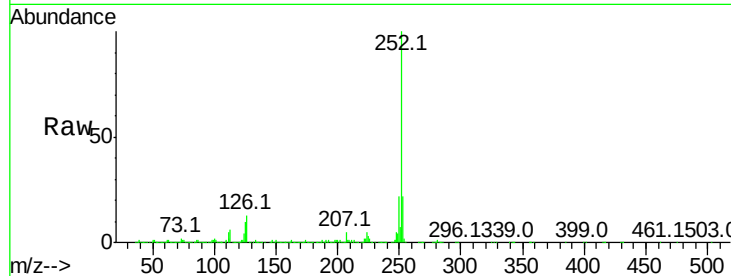
#89  
Benzo(k)fluoranthene  
Concen: 50.079 ng  
RT: 22.47 min Scan# 3329  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

Tot Ion:252 Resp: 1259667  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.5 26.3  
125 9.5 7.8 11.8

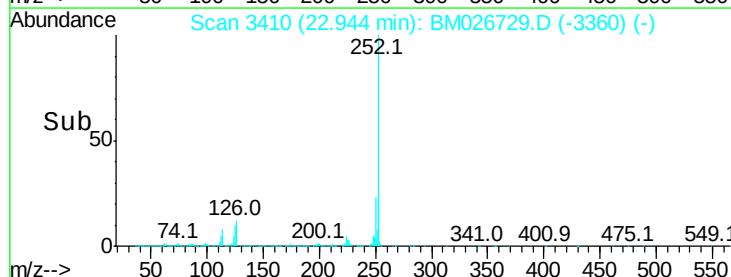
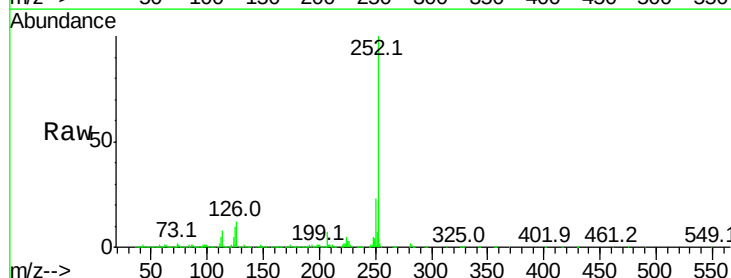
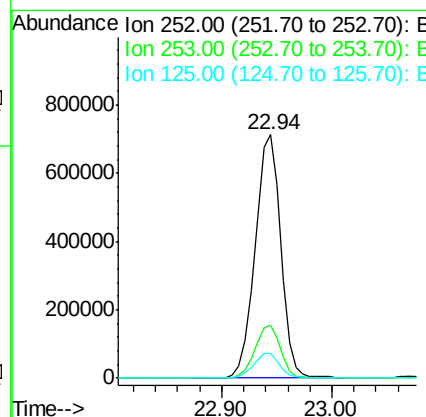
Manual Integrations  
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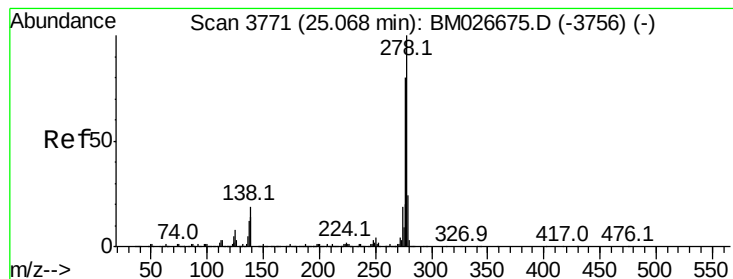
mohammad  
7/13/2020 1:02:43 PM



#90  
Benzo(a)pyrene  
Concen: 48.664 ng  
RT: 22.94 min Scan# 3410  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Tgt Ion:252 Resp: 1158488  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.2  
125 9.9 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 55.370 ng

RT: 25.04 min Scan# 3767

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion:278 Resp: 1295078

Ion Ratio Lower Upper

278 100

139 15.3 11.2 16.8

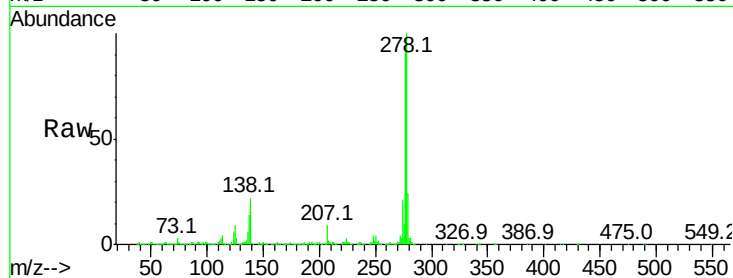
279 23.8 19.0 28.4

Manual Integrations

APPROVED

mohammad

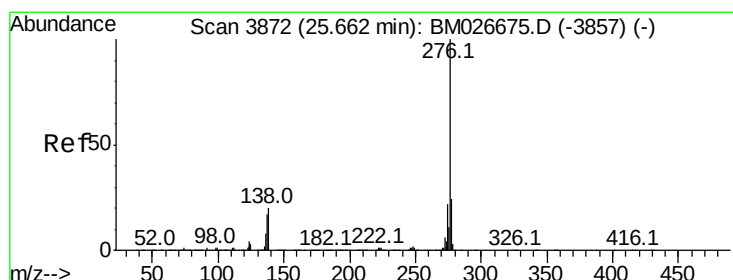
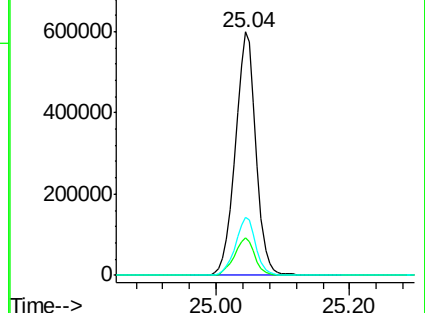
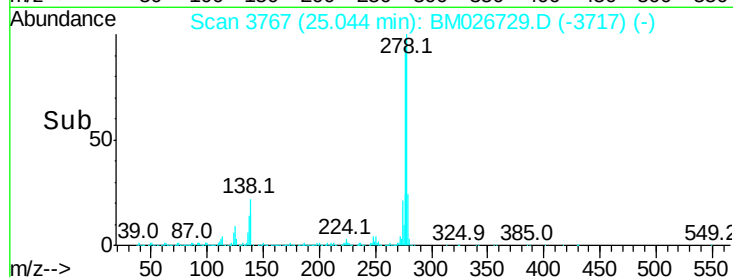
7/13/2020 1:02:43 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 57.174 ng

RT: 25.64 min Scan# 3869

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

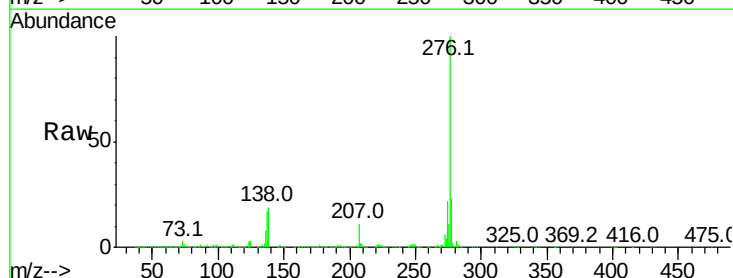
Tgt Ion:276 Resp: 1232145

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 18.8 15.8 23.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

