

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

Quant Time: Jul 10 12:41:55 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 | 29146   | 18.647 | ng | 92     |
| 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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 ALS Vial : 7 Sample Multiplier: 1

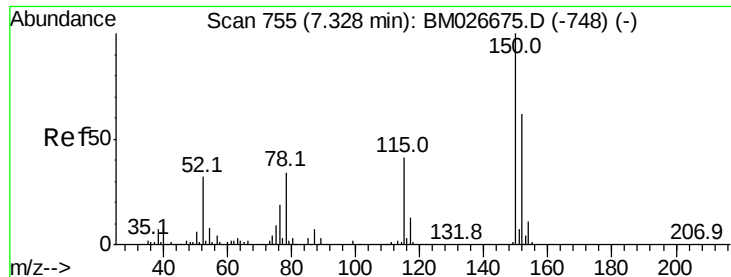
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Quant Time: Jul 10 12:41:55 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  | 114440   | 34.867  | ng    | 99       |
| 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



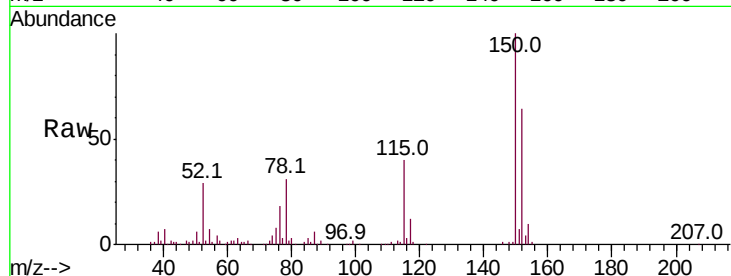


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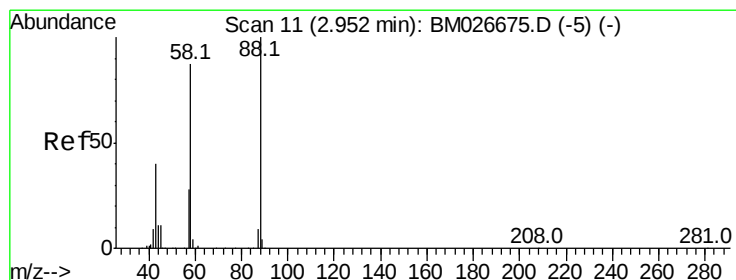
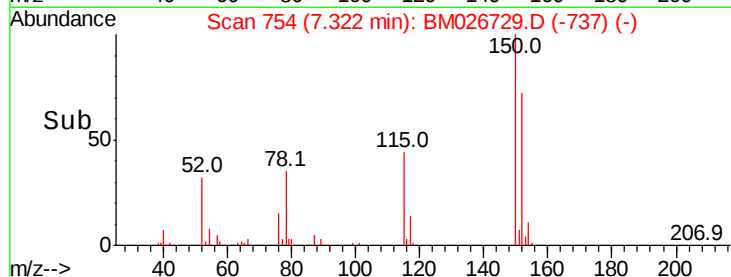
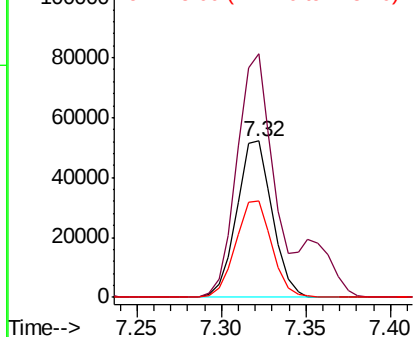
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.32 min Scan# 754  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

Tot Ion:152 Resp: 76546  
Ion Ratio Lower Upper  
152 100  
150 155.7 128.1 192.1  
115 61.7 52.2 78.4



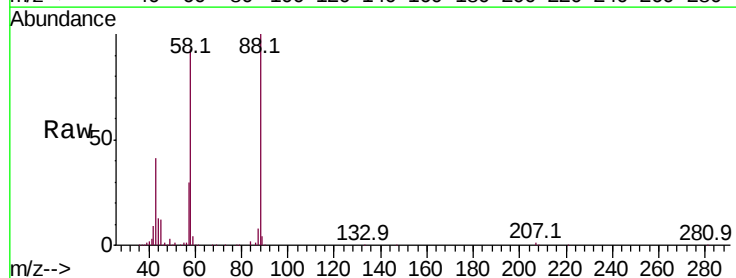
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



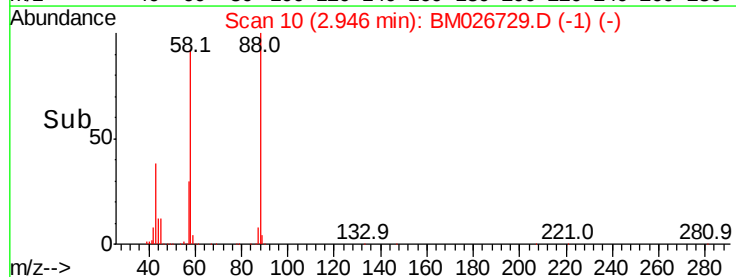
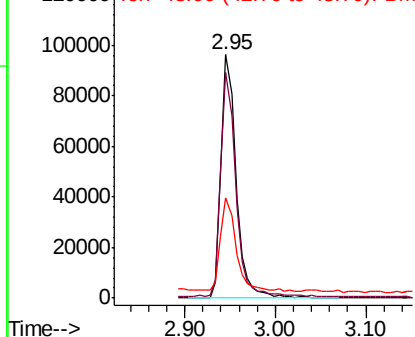
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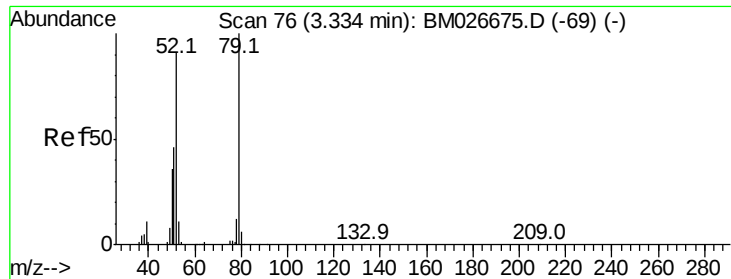
1,4-Dioxane  
Concen: 50.332 ng  
RT: 2.95 min Scan# 10  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Tgt Ion: 88 Resp: 110444  
Ion Ratio Lower Upper  
88 100  
58 89.5 73.2 109.8  
43 38.8 34.3 51.5



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





#3

Pvridine

Concen: 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

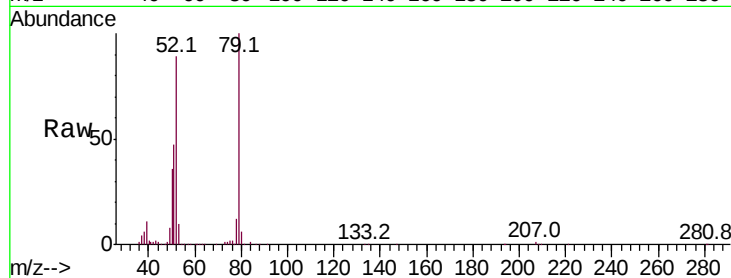
Tot Ion: 79 Resp: 273263

Ion Ratio Lower Upper

79 100

52 89.5 72.9 109.3

51 47.1 37.6 56.4



Abundance Ion 79.00 (78.70 to 79.70): BM026675.D (-69) (-)

Ion 52.00 (51.70 to 52.70): BM026675.D (-69) (-)

Ion 51.00 (50.70 to 51.70): BM026675.D (-69) (-)

3.33

250000

200000

150000

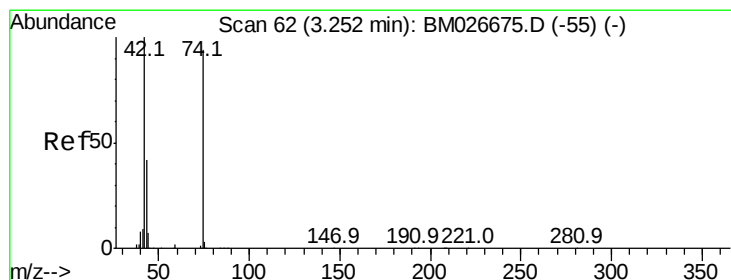
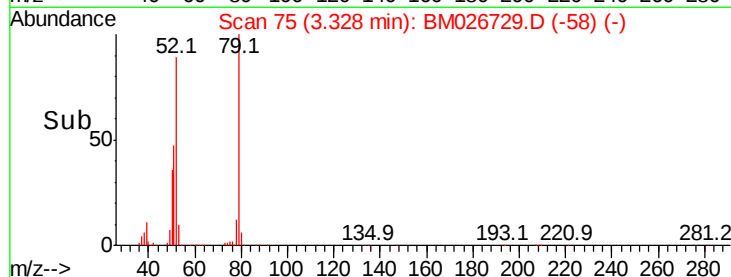
100000

50000

0

3.30 3.40 3.50

Time-->



#4

n-Nitrosodimethylamine

Concen: 48.313 ng

RT: 3.25 min Scan# 61

Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

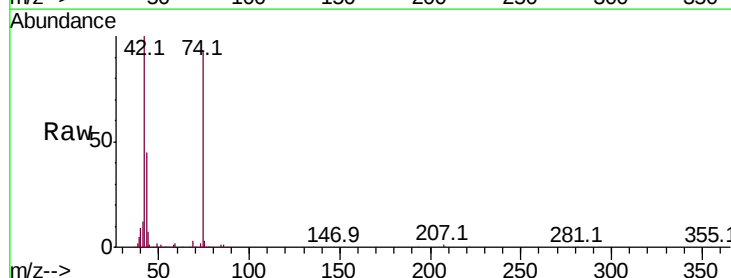
Tgt Ion: 42 Resp: 181491

Ion Ratio Lower Upper

42 100

74 92.7 75.1 112.7

44 6.6 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BM026675.D (-55) (-)

Ion 74.00 (73.70 to 74.70): BM026675.D (-55) (-)

Ion 44.00 (43.70 to 44.70): BM026675.D (-55) (-)

3.25

150000

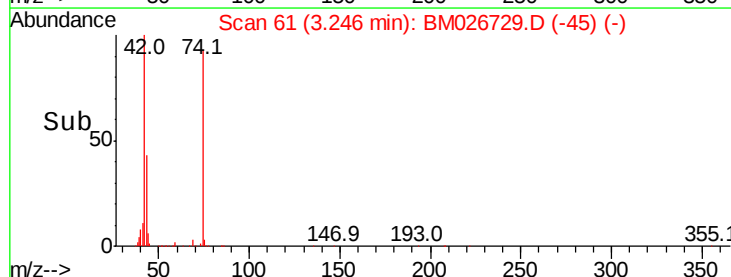
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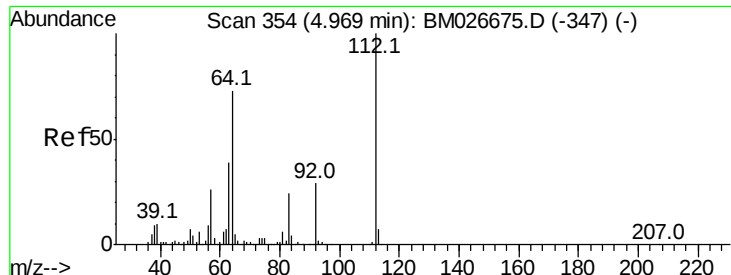
50000

0

3.20 3.30 3.40

Time-->





#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

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

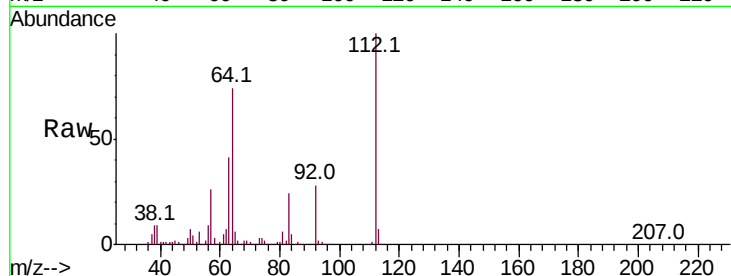
Tot Ion:112 Resp: 576836

Ion Ratio Lower Upper

112 100

64 73.9 58.4 87.6

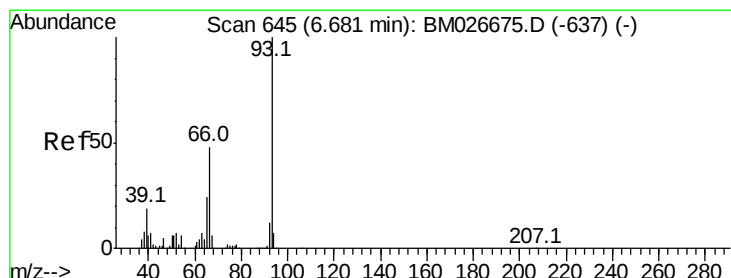
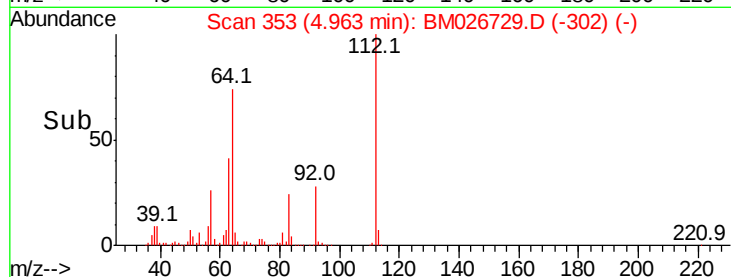
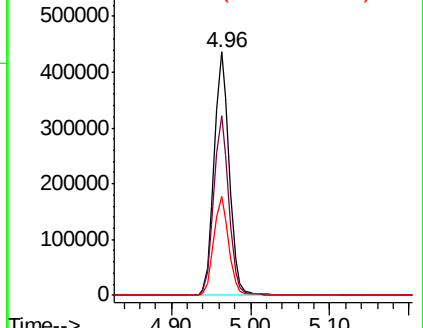
63 40.7 31.5 47.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#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

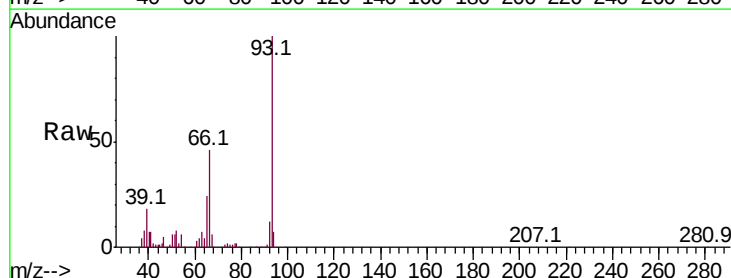
Tgt Ion: 93 Resp: 291646

Ion Ratio Lower Upper

93 100

66 46.3 38.2 57.4

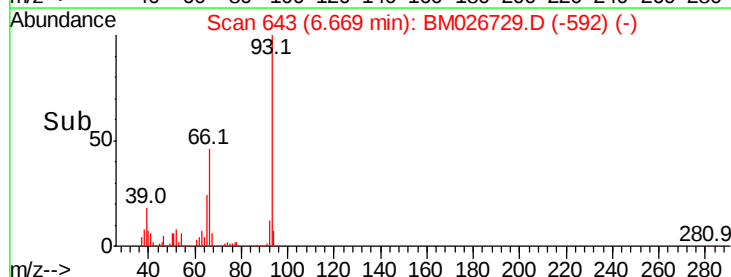
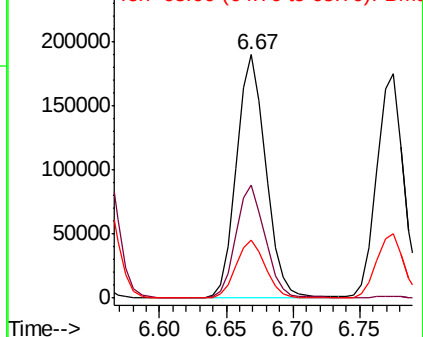
65 24.1 19.6 29.4

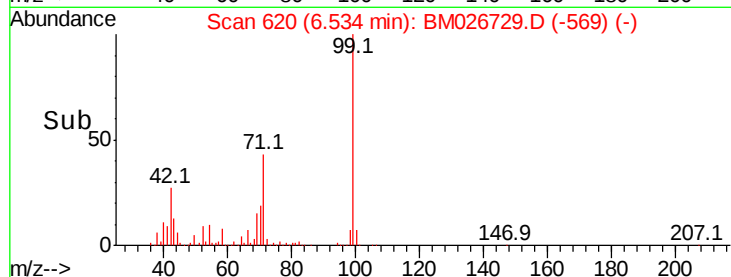
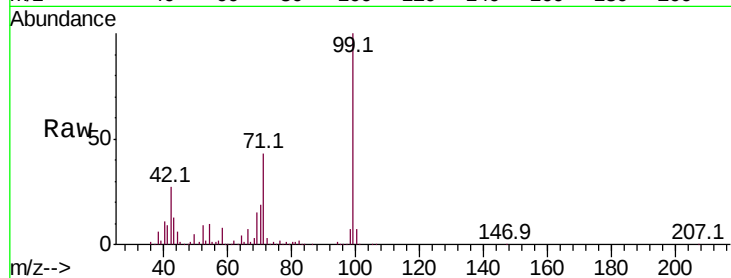
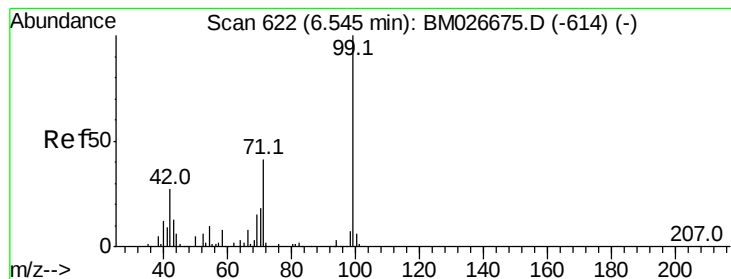


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#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

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

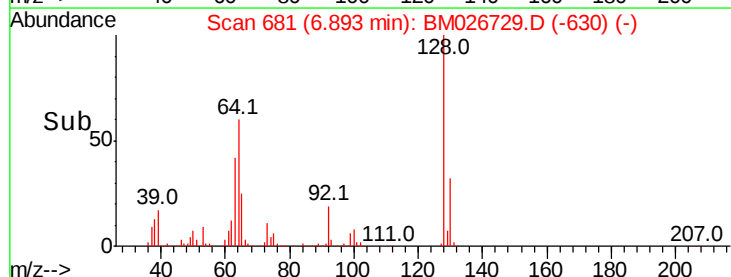
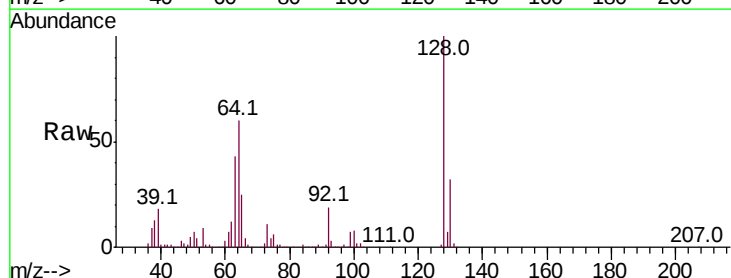
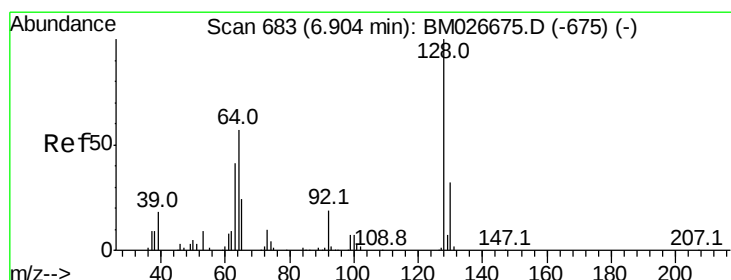
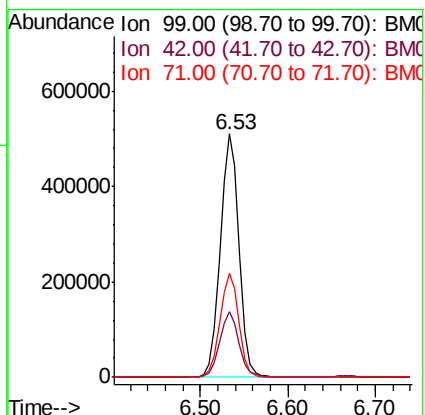
Tot Ion: 99 Resp: 756039

Ion Ratio Lower Upper

99 100

42 26.8 21.7 32.5

71 42.5 33.2 49.8



#8

2-Chlorophenol

Concen: 44.590 ng

RT: 6.89 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

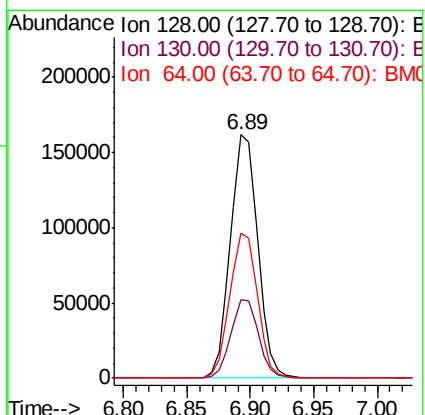
Tgt Ion:128 Resp: 242573

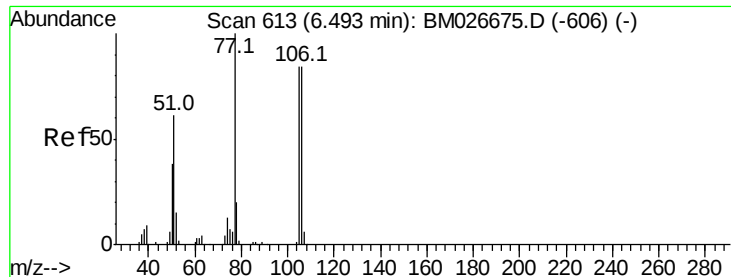
Ion Ratio Lower Upper

128 100

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

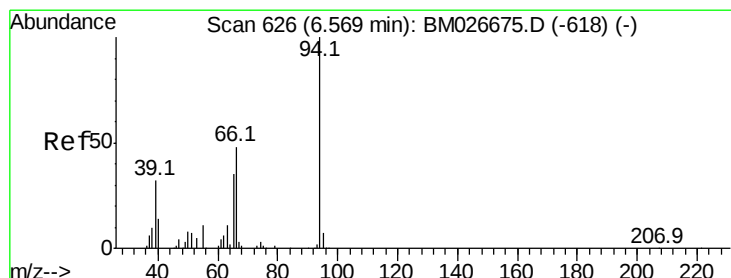
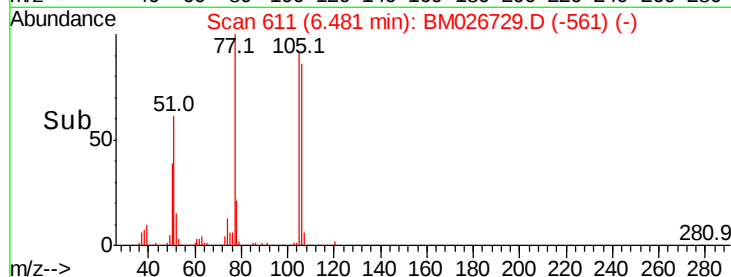
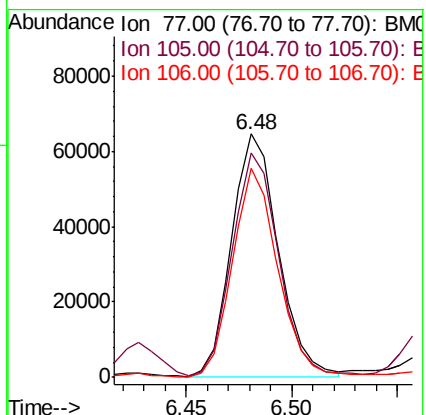
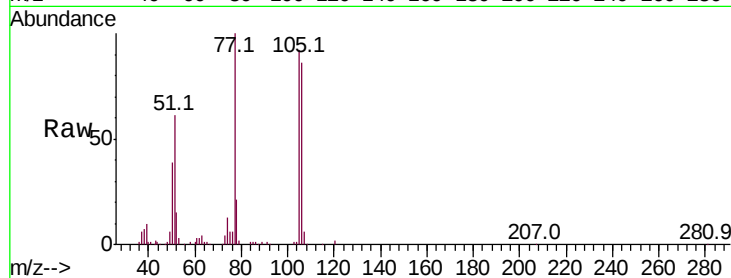
Tot Ion: 77 Resp: 99349

Ion Ratio Lower Upper

77 100

105 92.3 64.4 104.4

106 86.0 64.3 104.3



#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

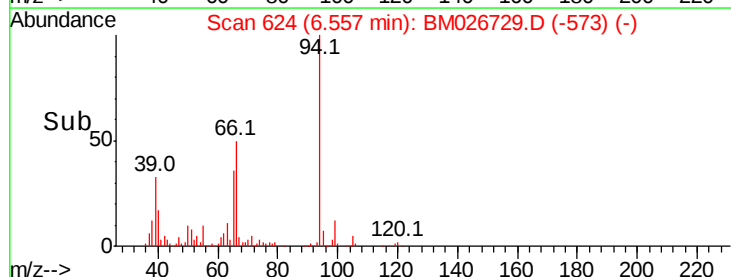
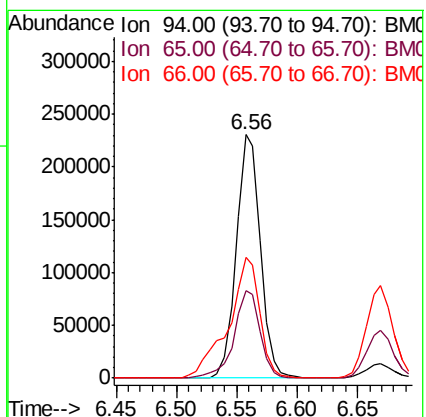
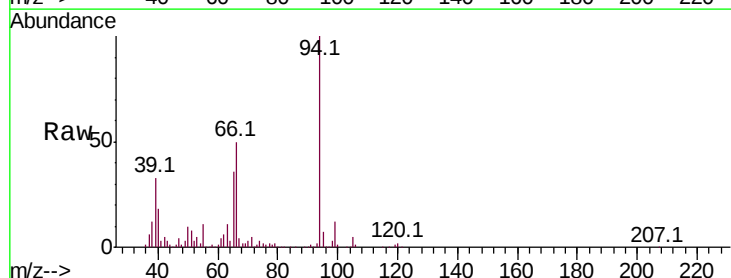
Tgt Ion: 94 Resp: 320514

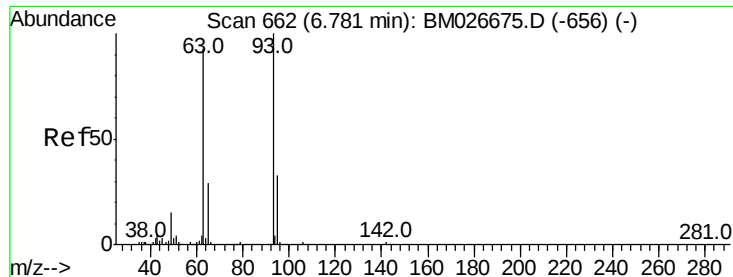
Ion Ratio Lower Upper

94 100

65 36.0 15.5 55.5

66 49.6 29.8 69.8

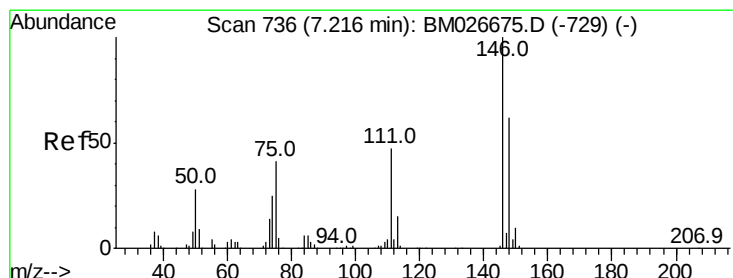
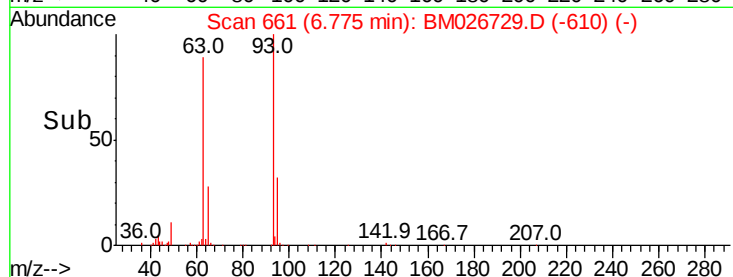
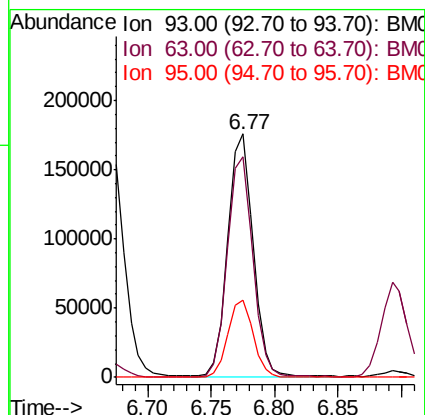
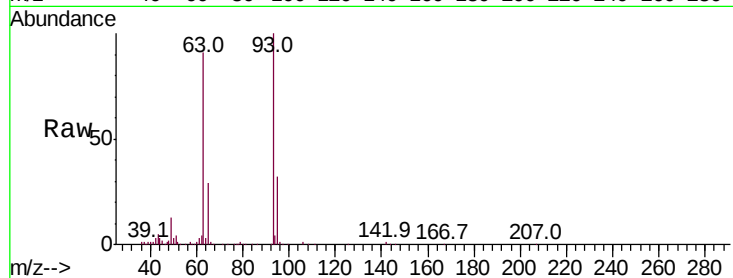




#11  
bis(2-Chloroethyl)ether  
Concen: 40.818 ng  
RT: 6.77 min Scan# 661  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

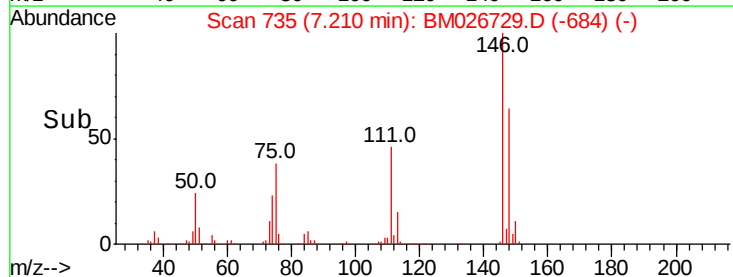
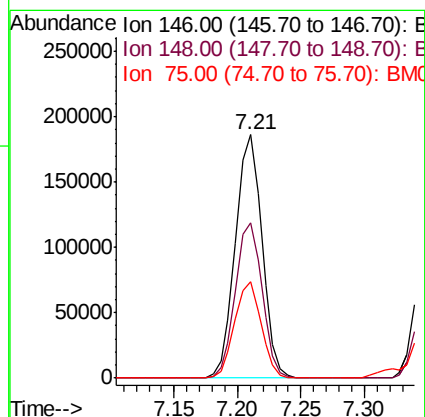
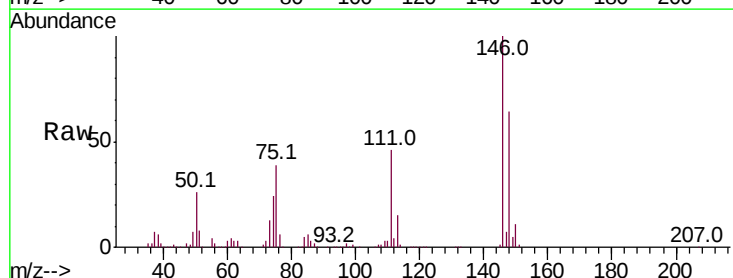
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

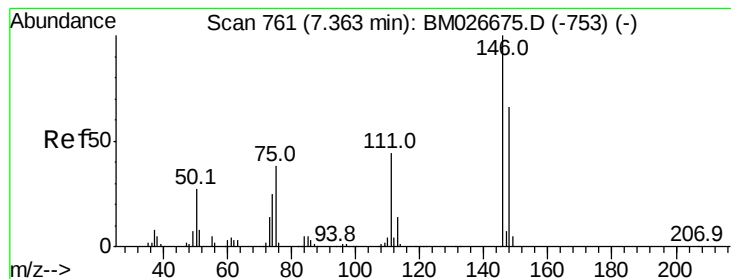
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.8  | 72.6  | 112.6 |
| 95      | 31.8  | 12.3  | 52.3  |



#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

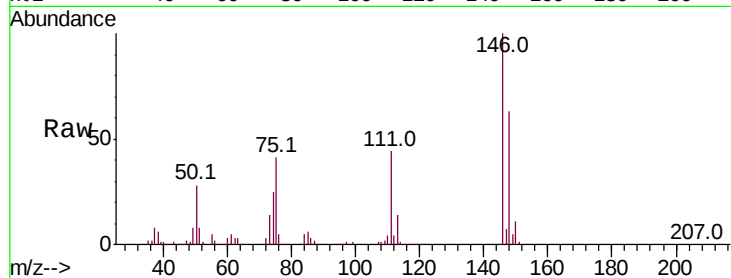
Tot Ion:146 Resp: 277273

Ion Ratio Lower Upper

146 100

148 63.2 52.4 78.6

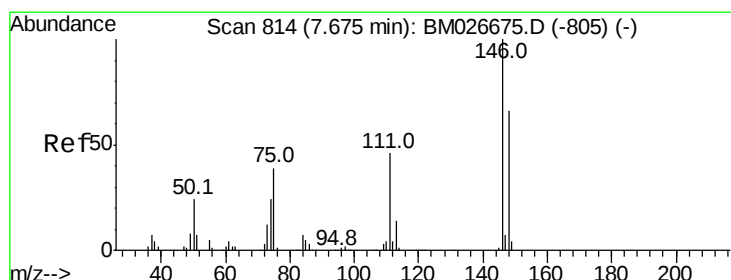
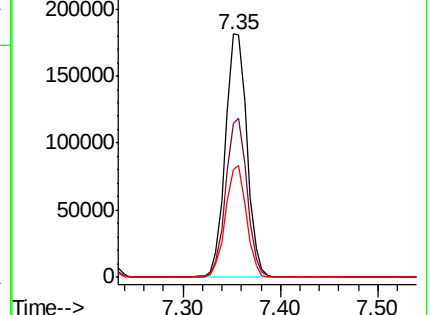
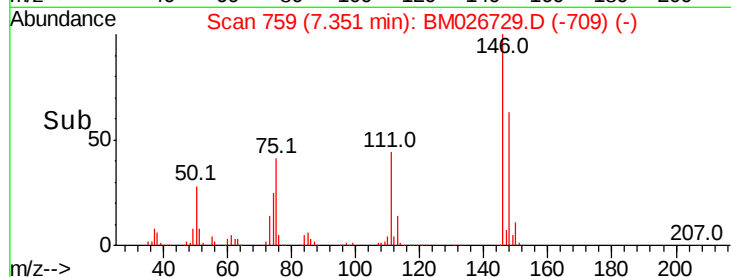
111 44.3 35.6 53.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 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

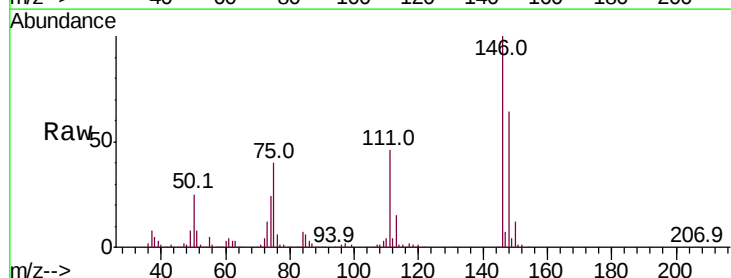
Tgt Ion:146 Resp: 263951

Ion Ratio Lower Upper

146 100

148 63.8 52.6 78.8

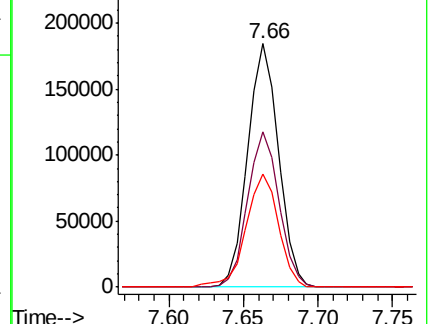
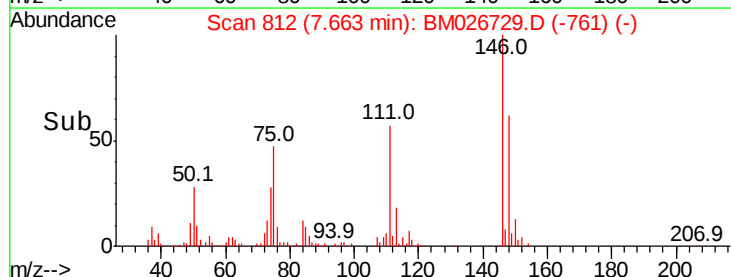
111 46.4 37.2 55.8

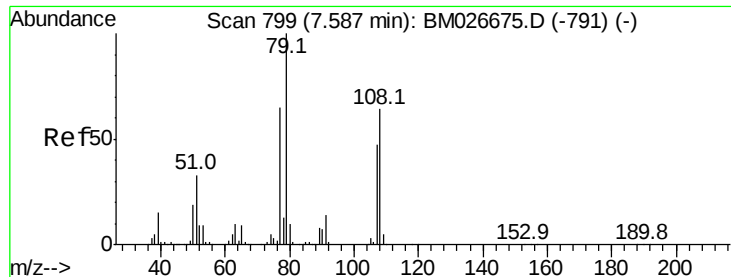


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 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

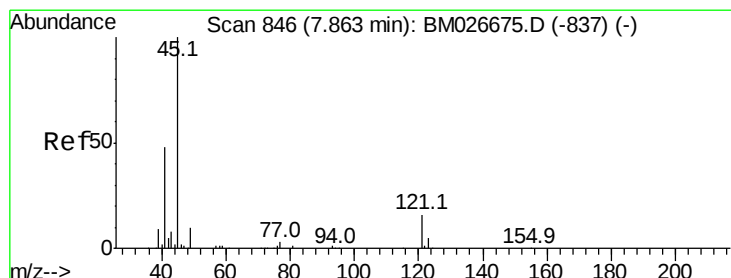
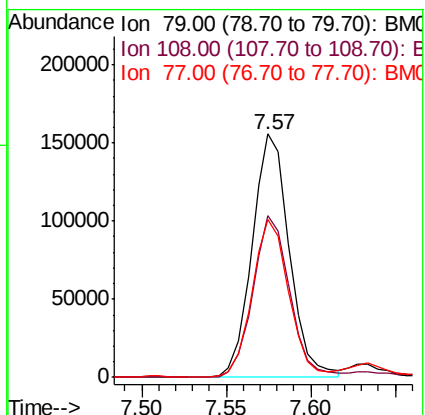
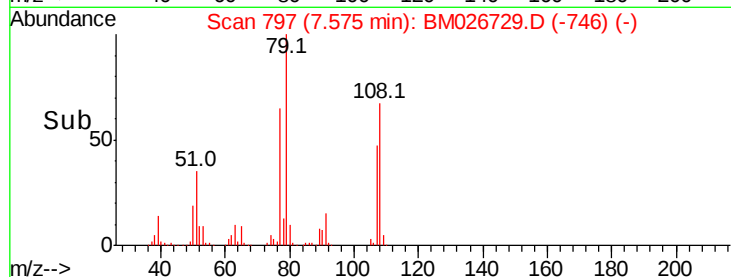
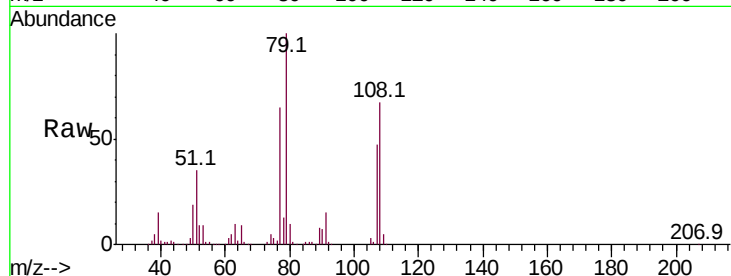
Tot Ion: 79 Resp: 237940

Ion Ratio Lower Upper

79 100

108 66.6 51.0 76.4

77 64.7 52.1 78.1



#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

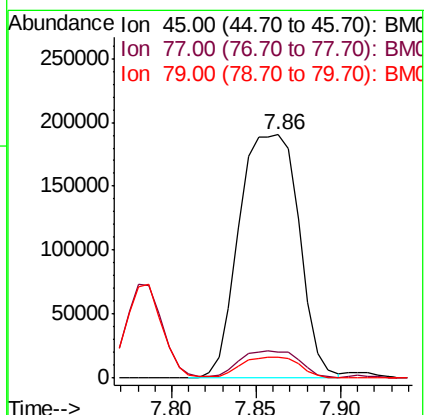
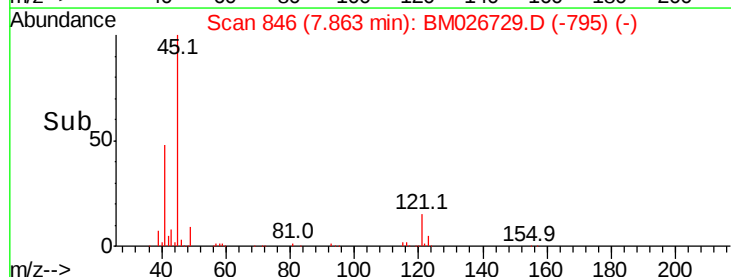
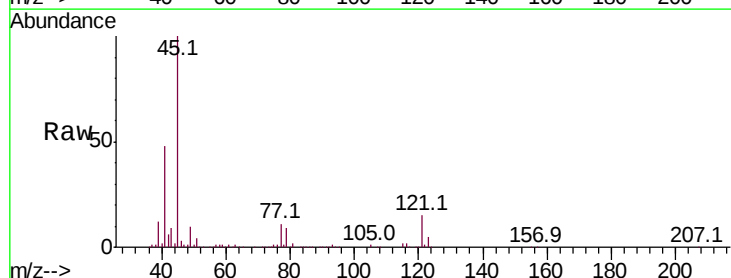
Tgt Ion: 45 Resp: 467307

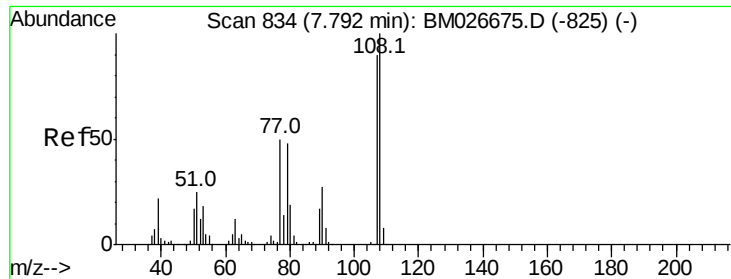
Ion Ratio Lower Upper

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:107 Resp: 201263

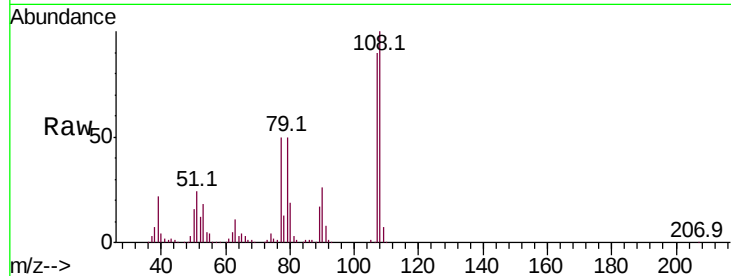
Ion Ratio Lower Upper

107 100

108 110.5 89.4 134.0

77 54.7 45.2 67.8

79 55.0 42.8 64.2

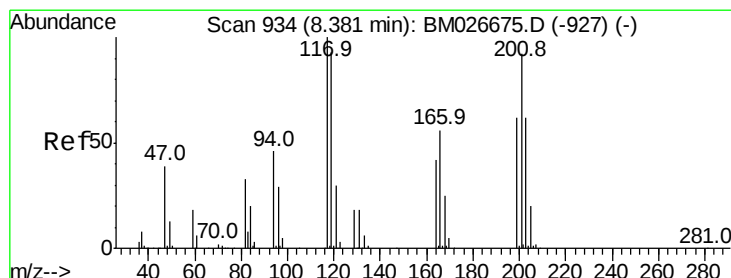
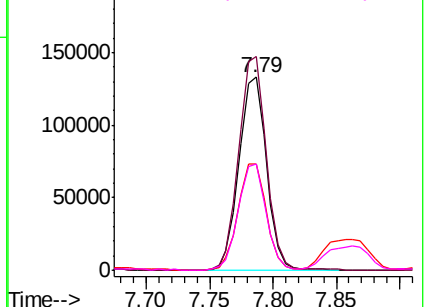
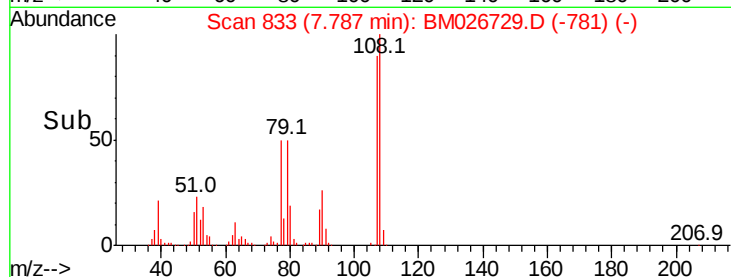


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#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

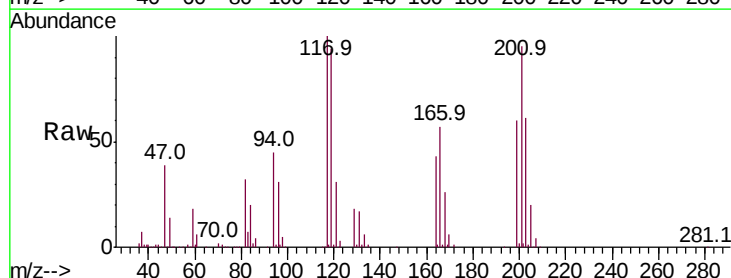
Tgt Ion:117 Resp: 112258

Ion Ratio Lower Upper

117 100

119 94.1 74.2 111.2

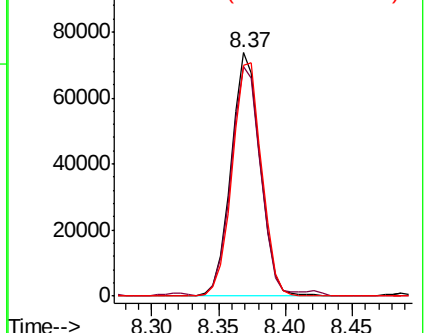
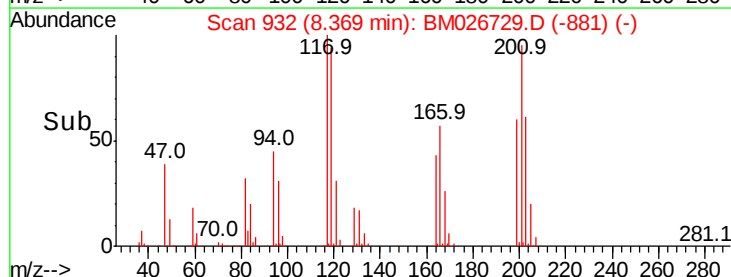
201 94.7 73.6 110.4

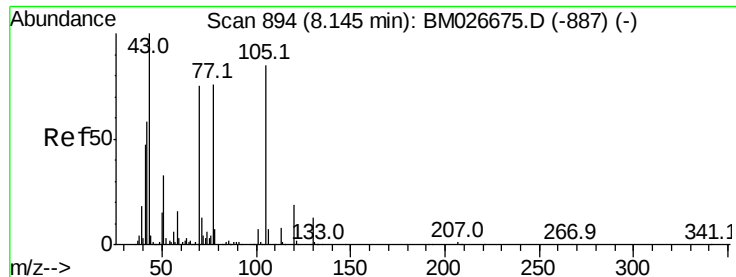


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

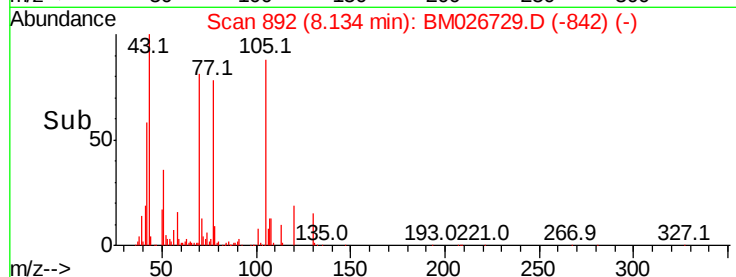
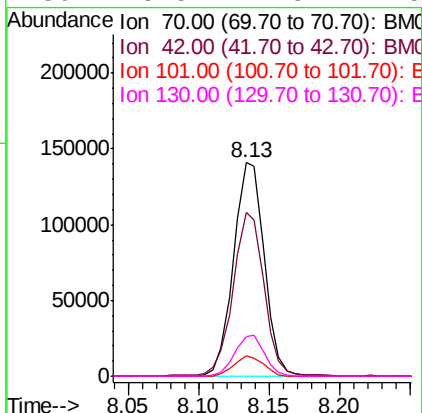
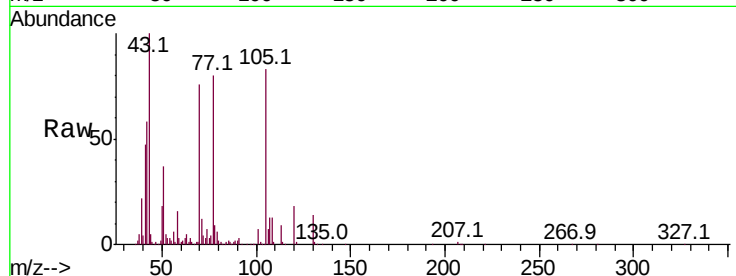




#19  
n-Nitroso-di-n-propylamine  
Concen: 35.350 ng  
RT: 8.13 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

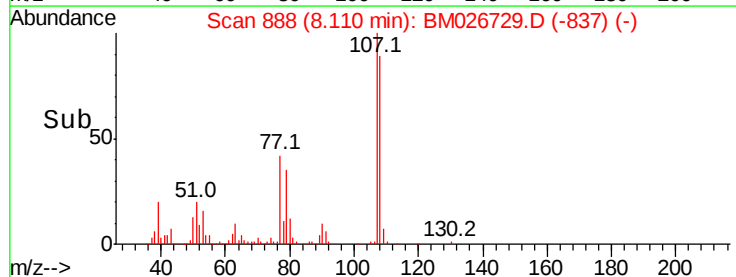
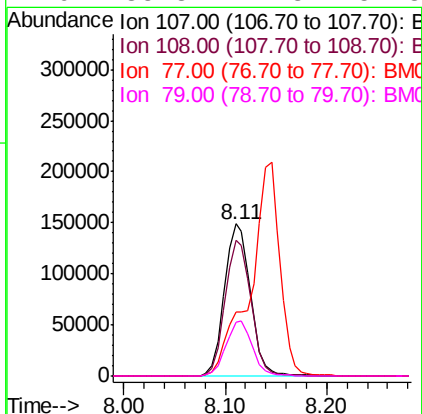
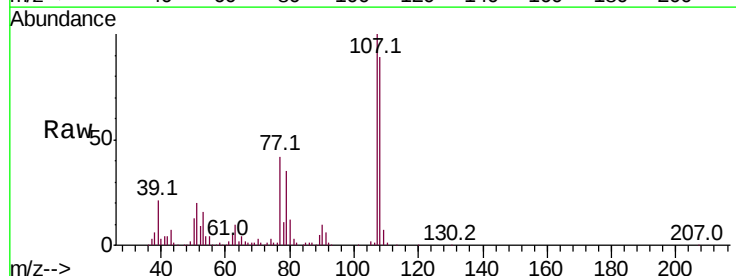
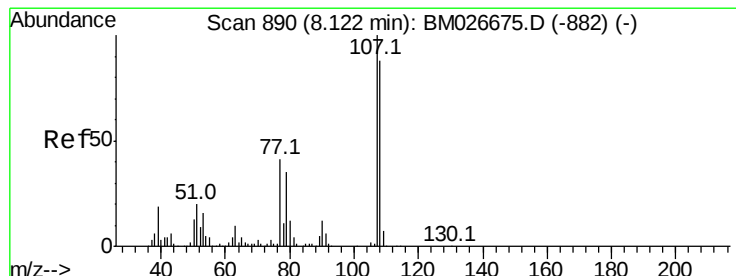
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

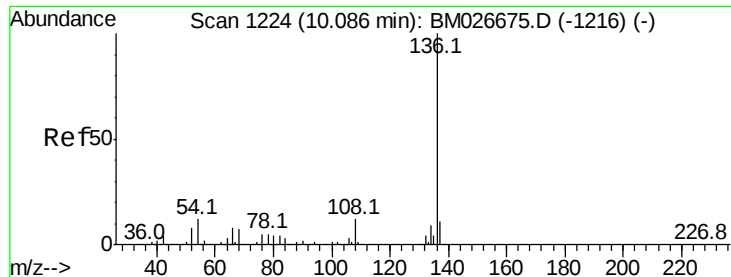
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 214017 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 76.9  | 62.3  | 93.5   |
| 101      | 9.4   | 7.1   | 10.7   |
| 130      | 18.5  | 14.3  | 21.5 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



#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   |

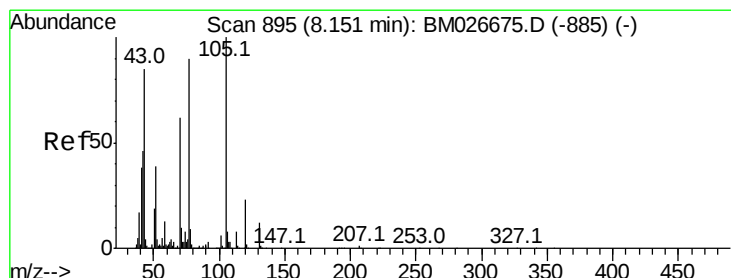
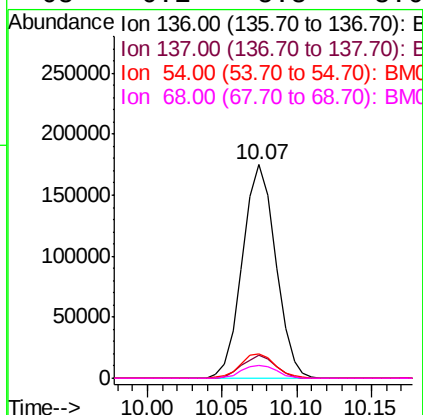
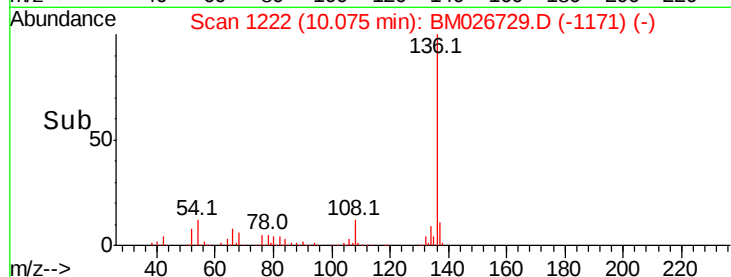
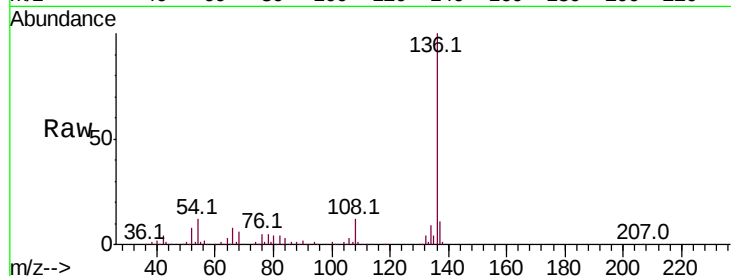




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.07 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

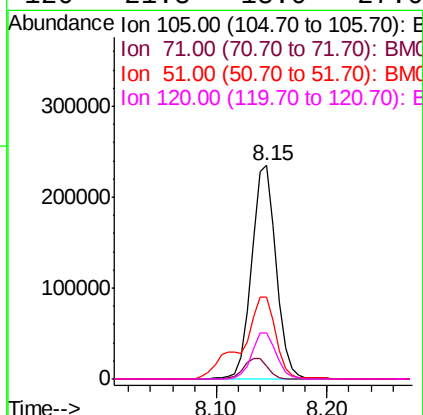
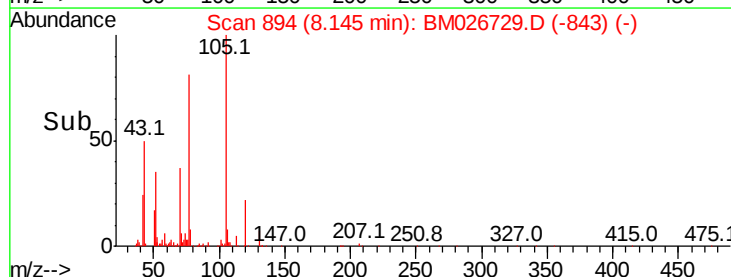
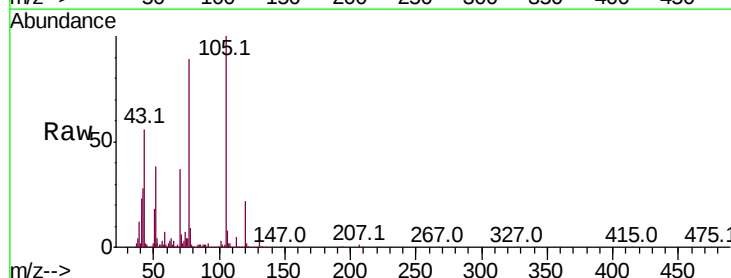
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

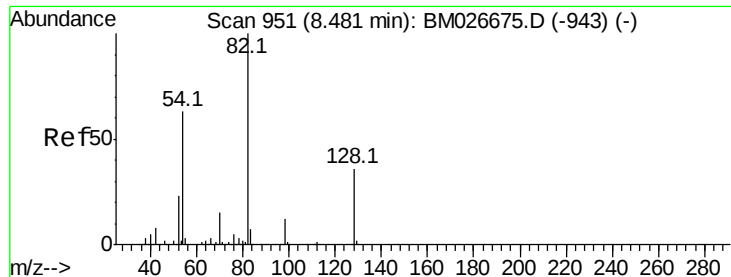
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 270732 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 12.8   |
| 54       | 11.6  | 9.8   | 14.6   |
| 68       | 6.1   | 5.8   | 8.6  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



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





#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

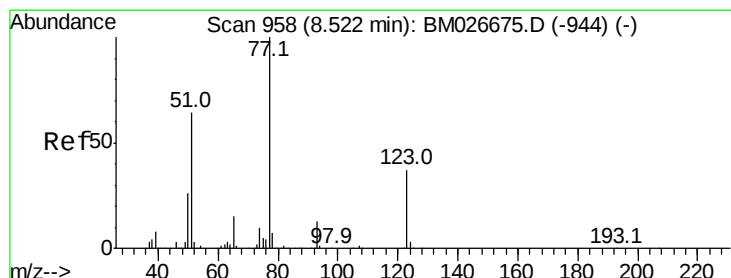
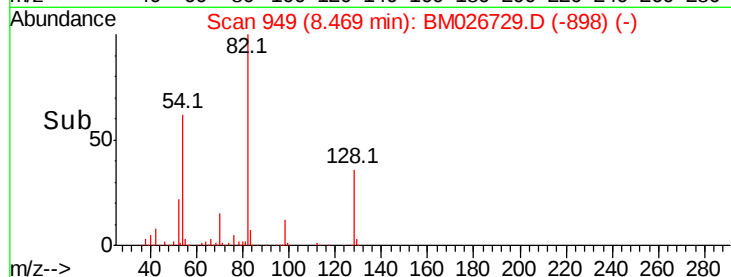
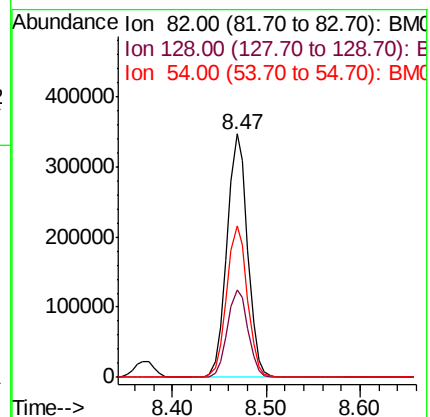
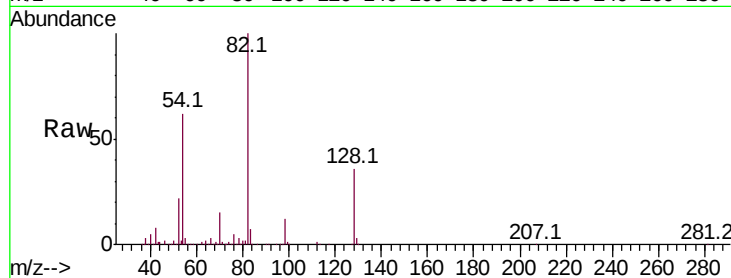
Tot Ion: 82 Resp: 529644

Ion Ratio Lower Upper

82 100

128 35.7 29.1 43.7

54 62.4 50.2 75.4



#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

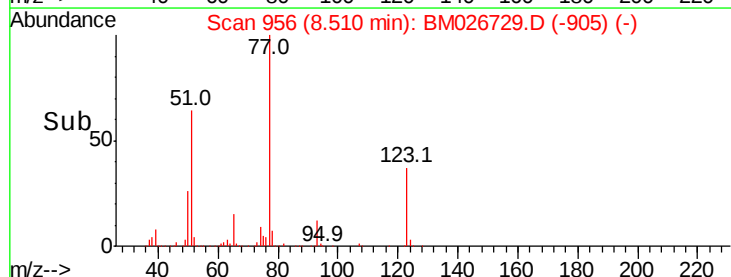
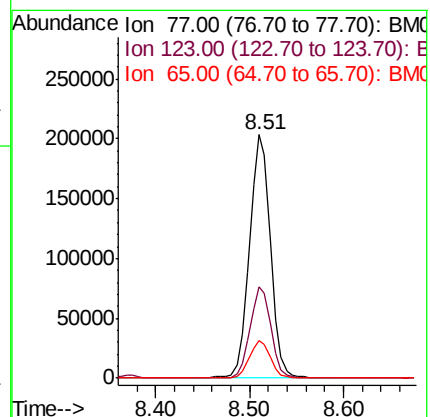
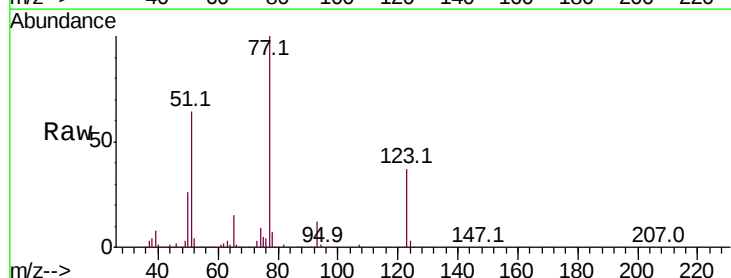
Tgt Ion: 77 Resp: 313142

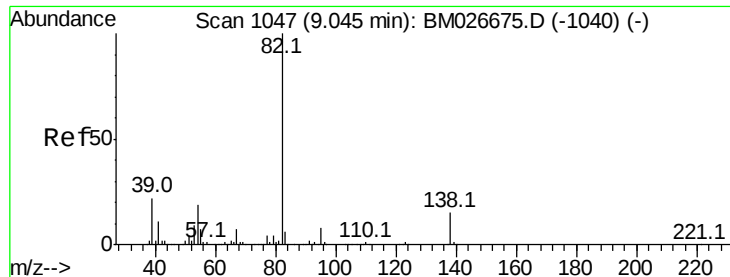
Ion Ratio Lower Upper

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

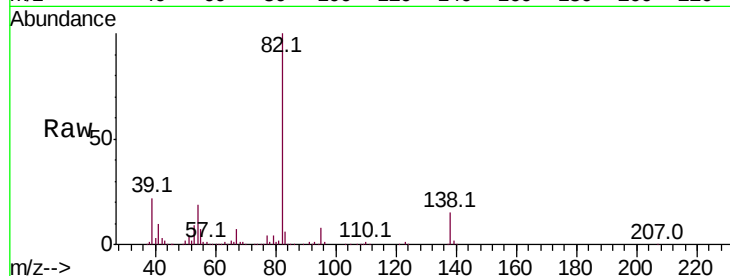
Tot Ion: 82 Resp: 508687

Ion Ratio Lower Upper

82 100

95 7.6 6.3 9.5

138 15.2 12.0 18.0

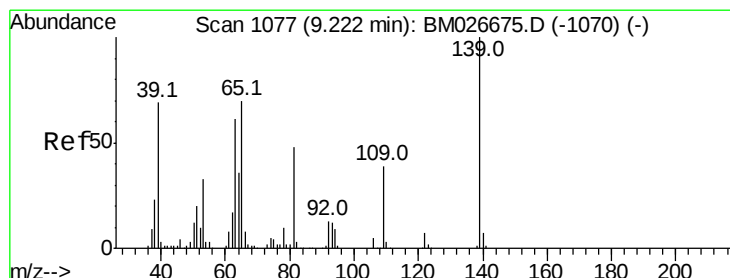
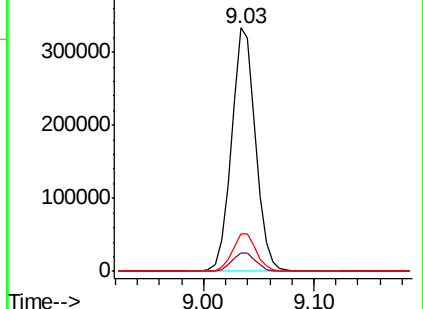
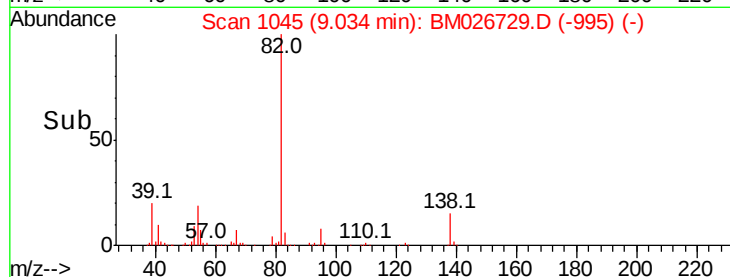


Abundance Ion 82.00 (81.70 to 82.70): BM026675.D (-1040) (-)

Ion 95.00 (94.70 to 95.70): BM026675.D (-1040) (-)

Ion 138.00 (137.70 to 138.70): BM026675.D (-1040) (-)

Time-->



#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

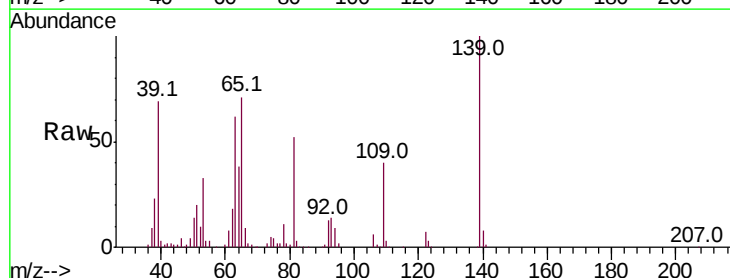
Tgt Ion: 139 Resp: 123896

Ion Ratio Lower Upper

139 100

109 40.4 30.8 46.2

65 71.3 56.2 84.4

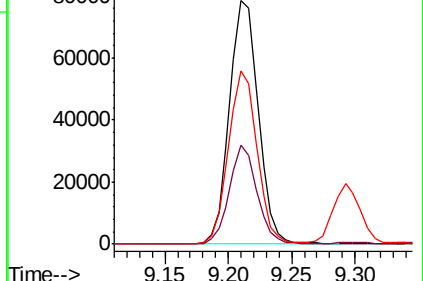
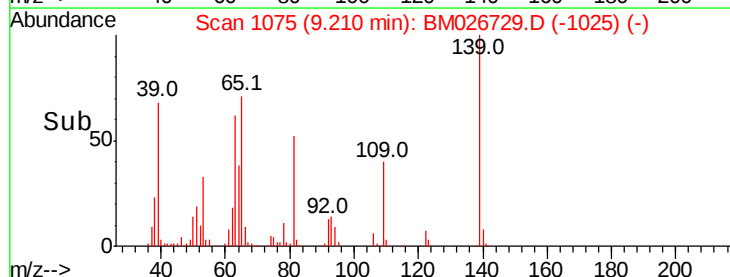


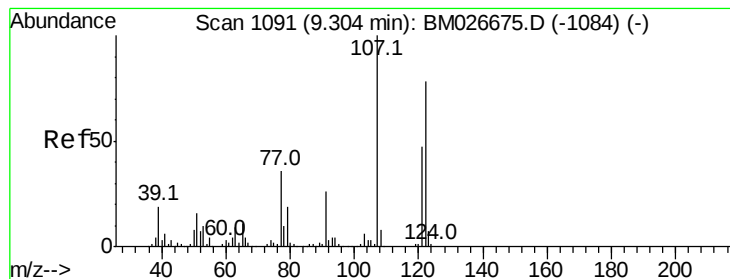
Abundance Ion 139.00 (138.70 to 139.70): BM026675.D (-1070) (-)

Ion 109.00 (108.70 to 109.70): BM026675.D (-1070) (-)

Ion 65.00 (64.70 to 65.70): BM026675.D (-1070) (-)

Time-->





#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

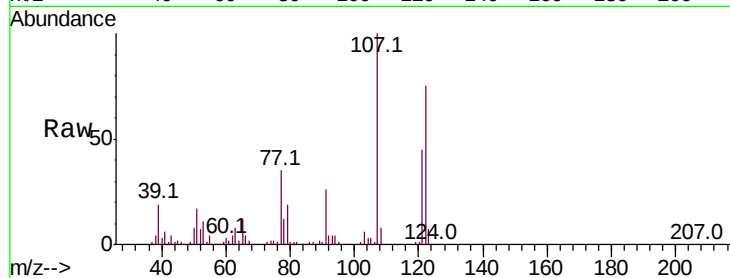
Tot Ion:122 Resp: 194030

Ion Ratio Lower Upper

122 100

107 132.5 102.1 153.1

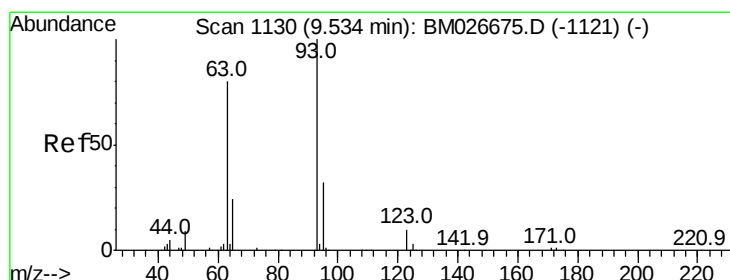
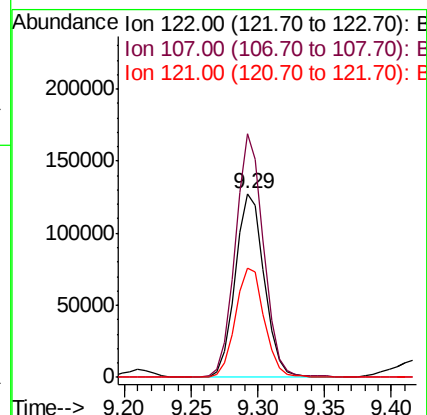
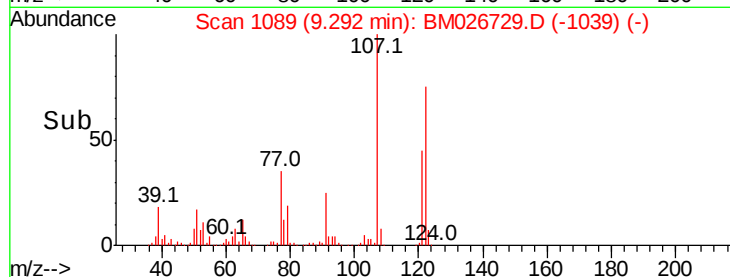
121 59.7 48.2 72.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#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

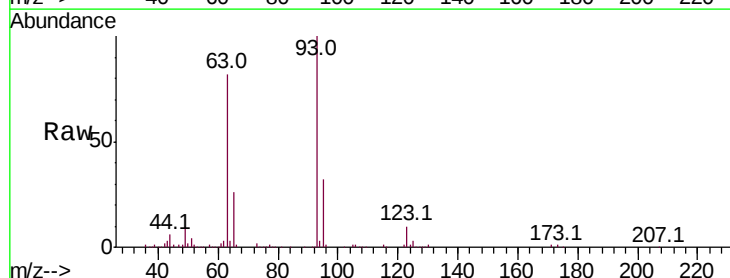
Tgt Ion: 93 Resp: 303164

Ion Ratio Lower Upper

93 100

95 32.1 25.7 38.5

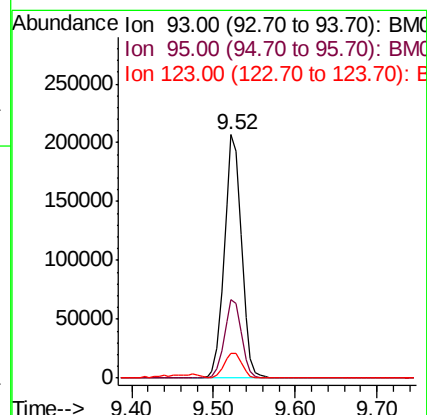
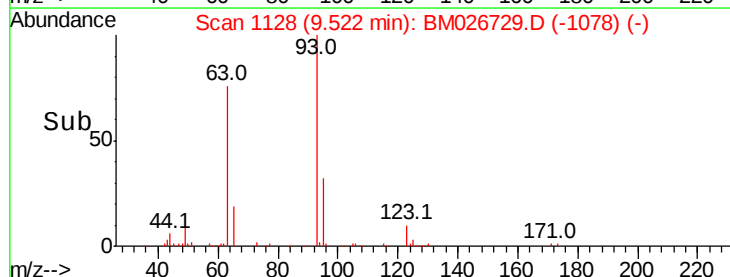
123 10.2 8.7 13.1

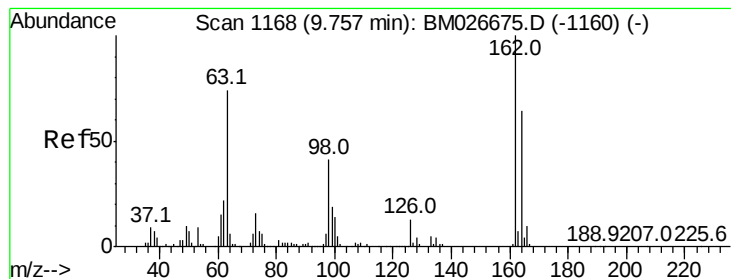


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#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

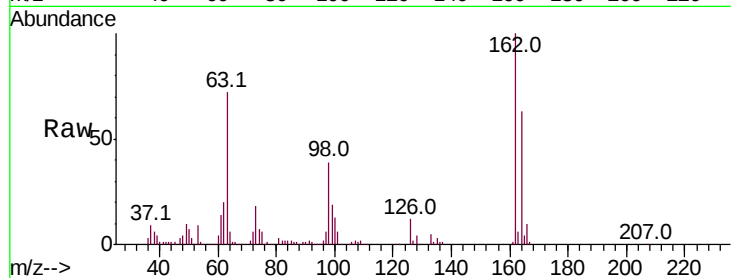
Tot Ion:162 Resp: 208777

Ion Ratio Lower Upper

162 100

164 62.9 44.3 84.3

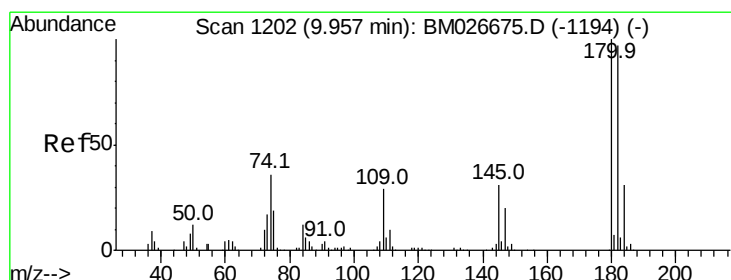
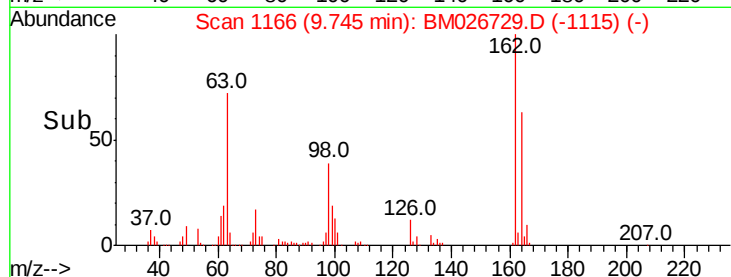
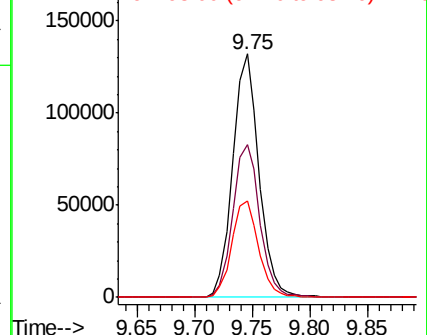
98 39.5 21.0 61.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#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

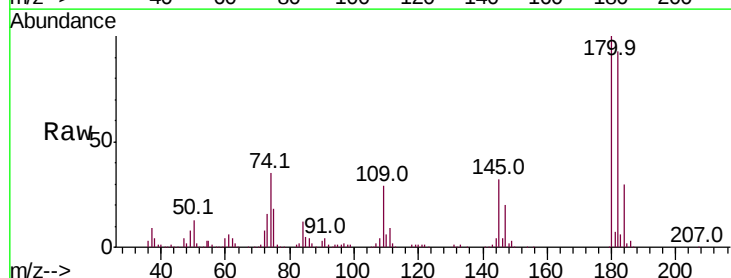
Tgt Ion:180 Resp: 238240

Ion Ratio Lower Upper

180 100

182 92.9 77.8 116.6

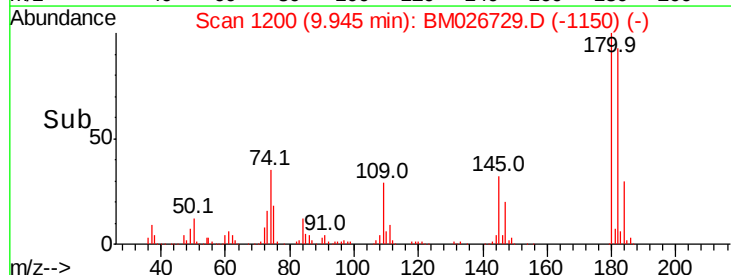
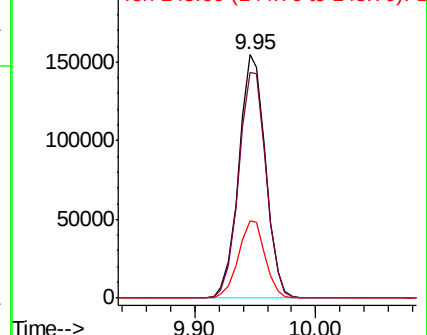
145 31.7 25.0 37.6

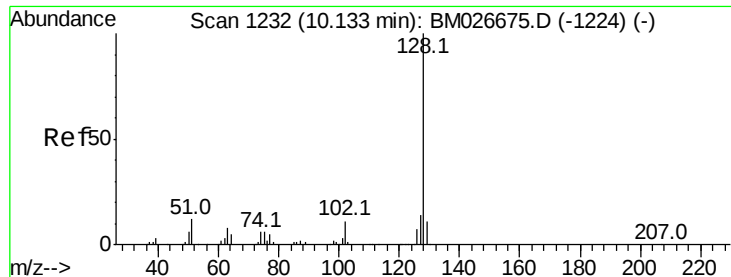


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

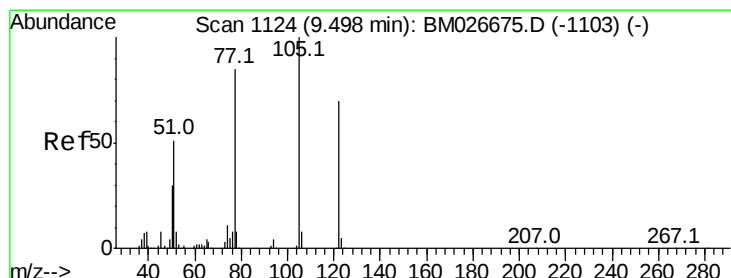
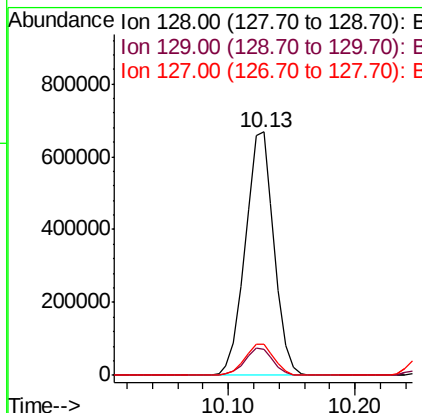
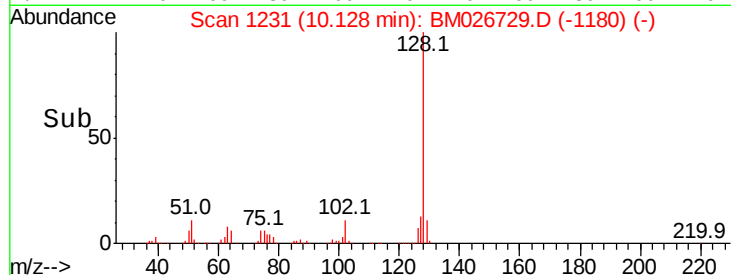
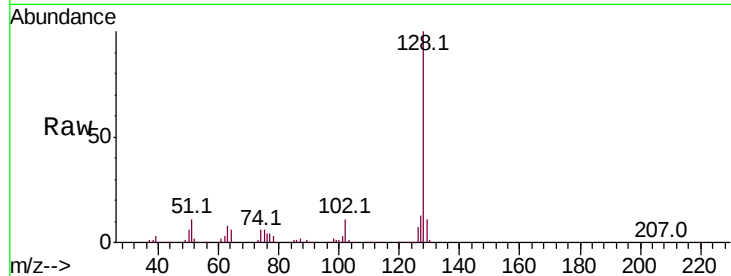




#31  
Naphthalene  
Concen: 69.551 ng  
RT: 10.13 min Scan# 1231  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

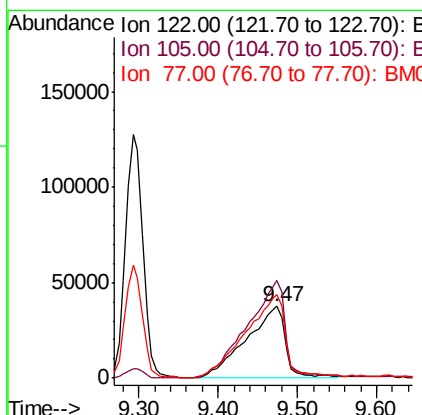
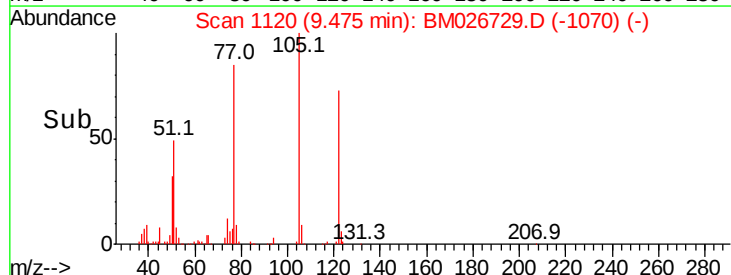
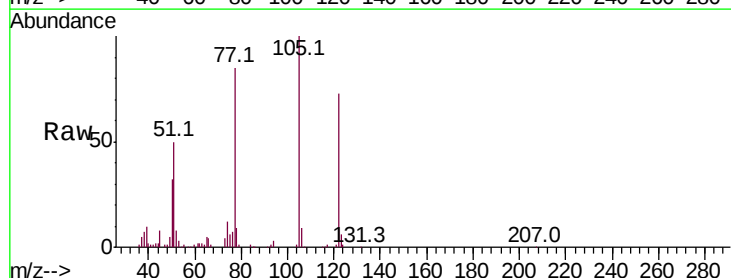
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

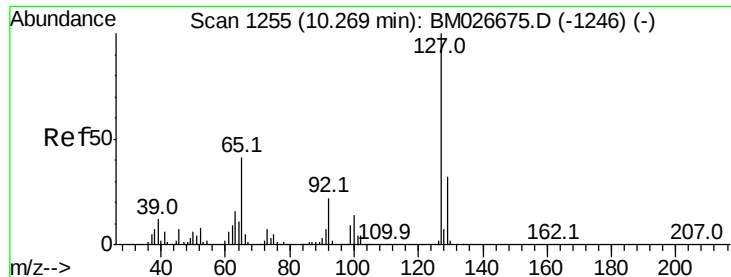
Tot Ion:128 Resp: 1047293  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 12.6 10.8 16.2



#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:122 Resp: 127809  
Ion Ratio Lower Upper  
122 100  
105 136.4 120.9 160.9  
77 116.3 100.0 140.0

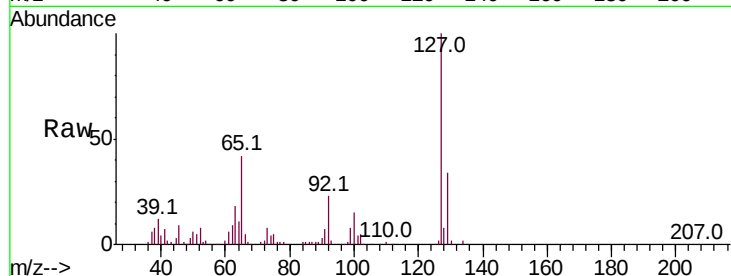




#33  
4-Chloroaniline  
Concen: 18.282 ng  
RT: 10.26 min Scan# 1253  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 120425 |
| 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   |



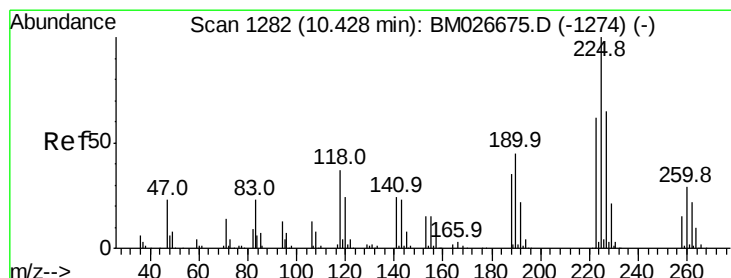
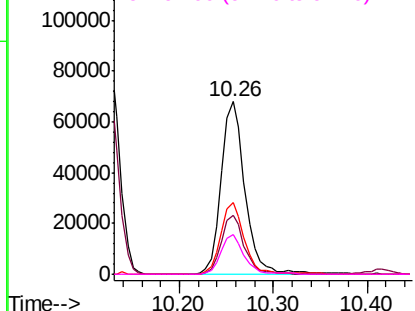
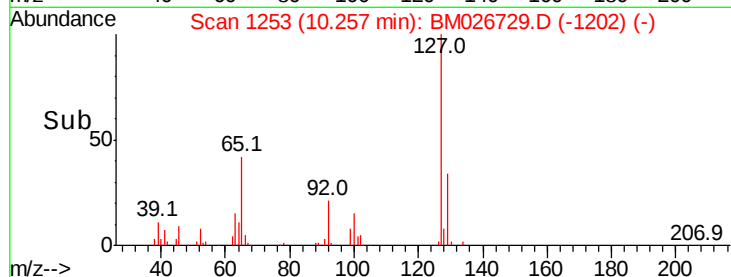
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

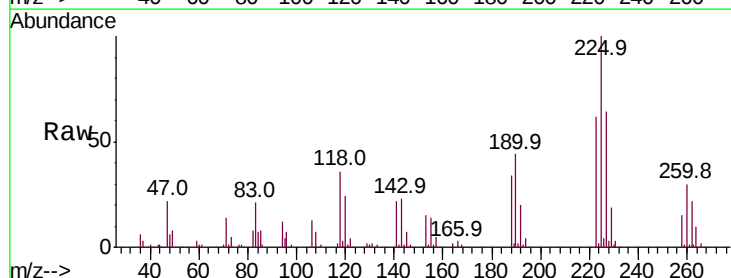
Ion 65.00 (64.70 to 65.70): BM0

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: | 225   | Resp: | 154203 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.9  | 49.8  | 74.8   |
| 227      | 63.5  | 52.3  | 78.5   |

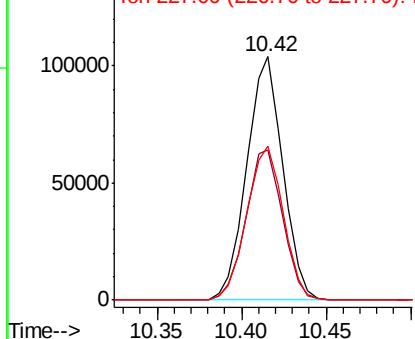
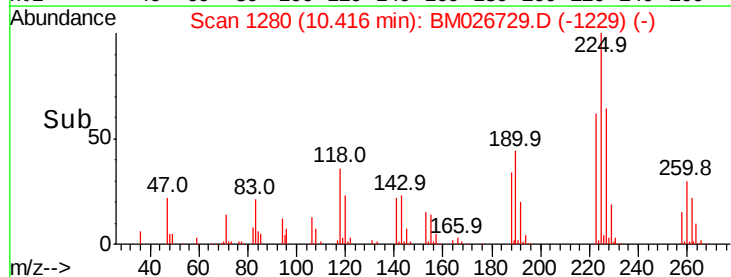


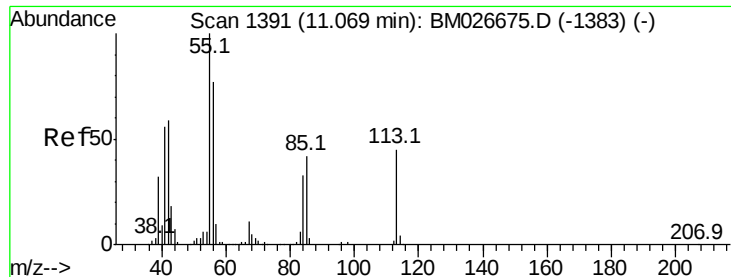
Abundance

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: 18.647 ng

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

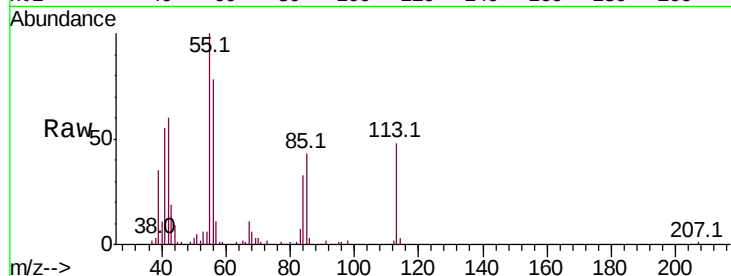
Tot Ion:113 Resp: 29146

Ion Ratio Lower Upper

113 100

55 208.9 203.5 243.5

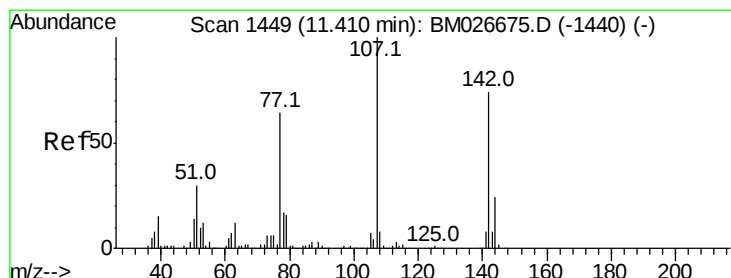
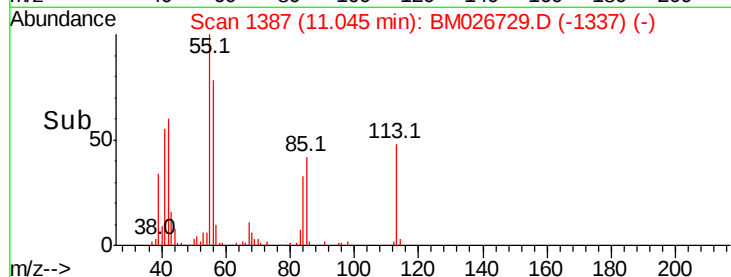
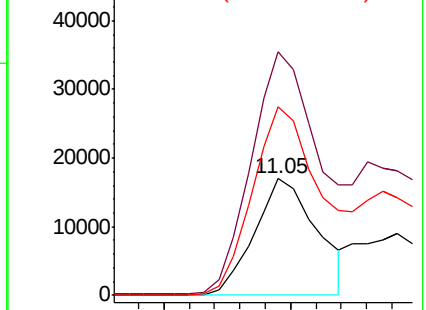
56 162.0 151.6 191.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 42.197 ng

RT: 11.40 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

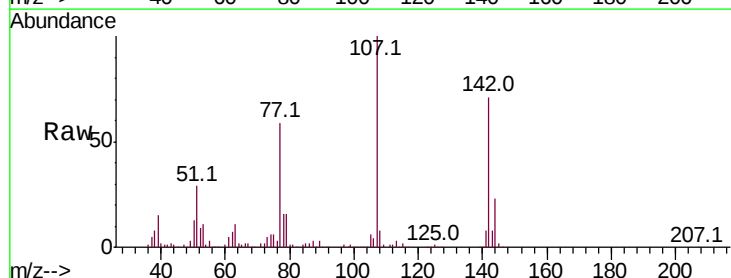
Tgt Ion:107 Resp: 235318

Ion Ratio Lower Upper

107 100

144 22.7 18.9 28.3

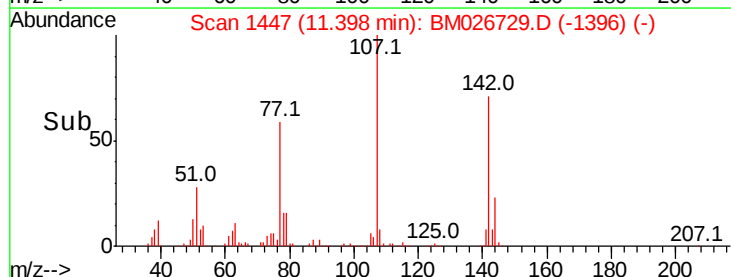
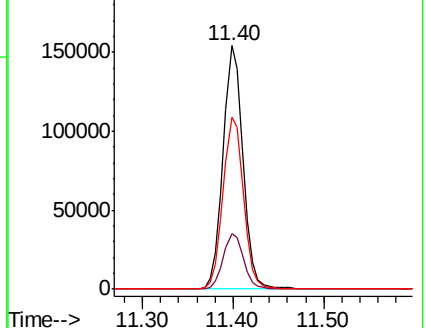
142 70.9 59.0 88.4

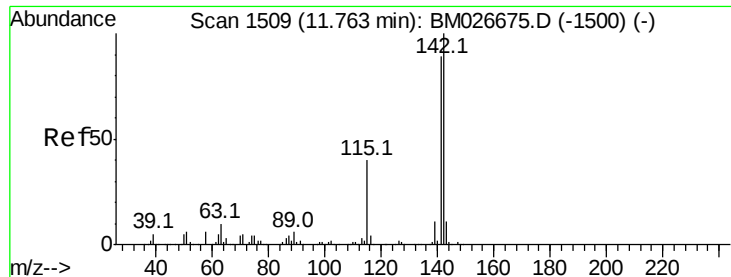


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.892 ng

RT: 11.75 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BM026729.D

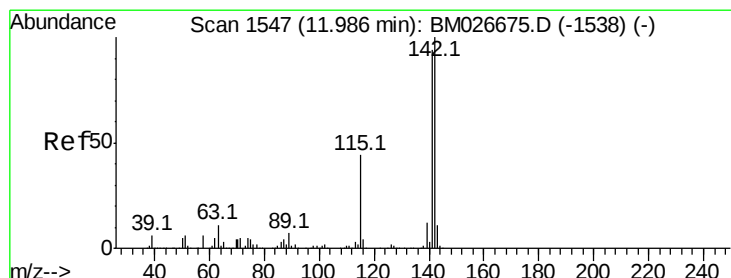
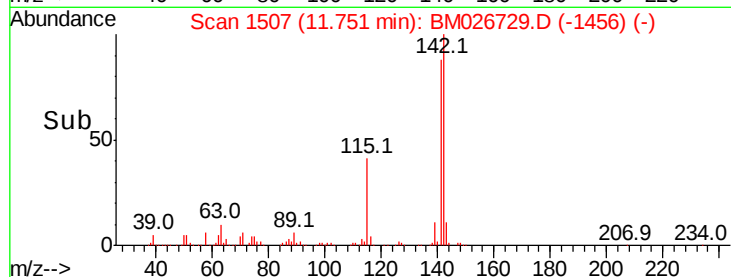
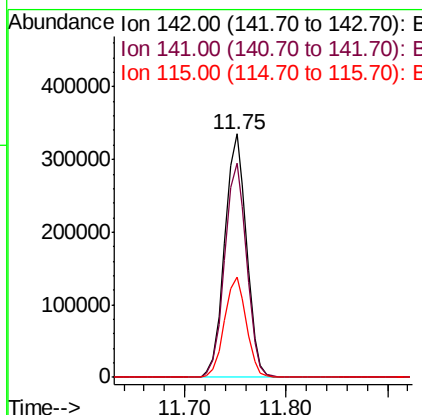
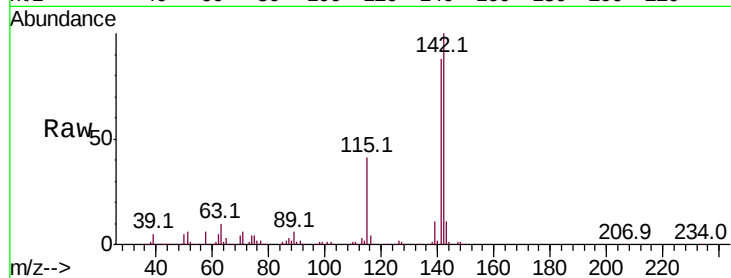
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M

ClientSampleId :  
MUDDY-DRUMMSD

Tot Ion:142 Resp: 500739

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



#38

1-Methylnaphthalene

Concen: 43.902 ng

RT: 11.97 min Scan# 1545

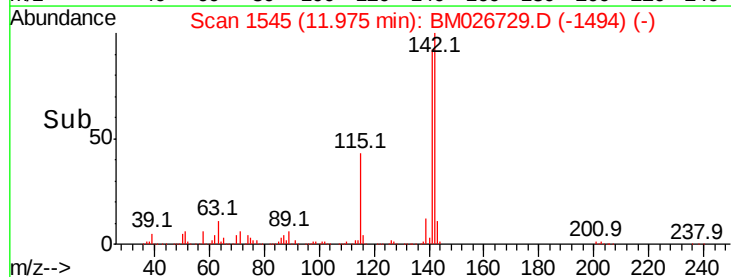
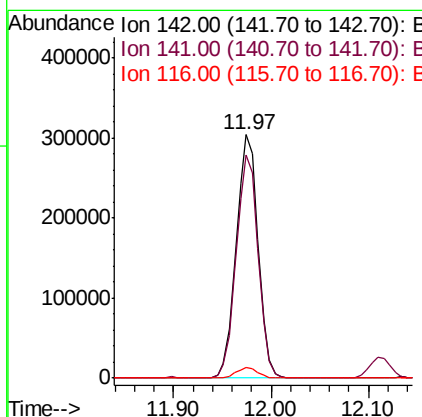
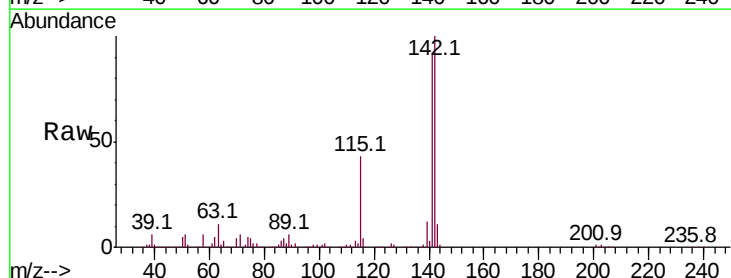
Delta R.T. -0.00 min

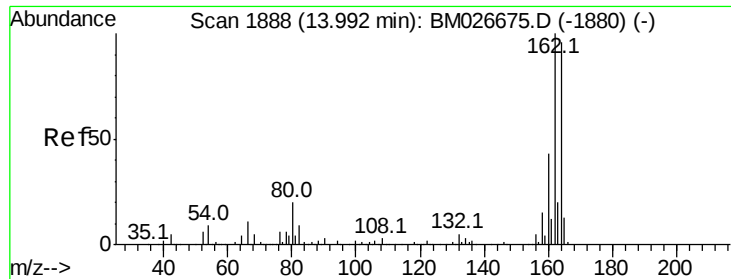
Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Tgt Ion:142 Resp: 469160

| 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

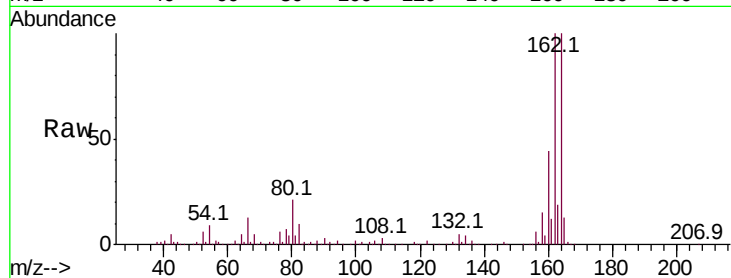
Tot Ion:164 Resp: 151409

Ion Ratio Lower Upper

164 100

162 100.1 83.7 125.5

160 44.0 36.2 54.2

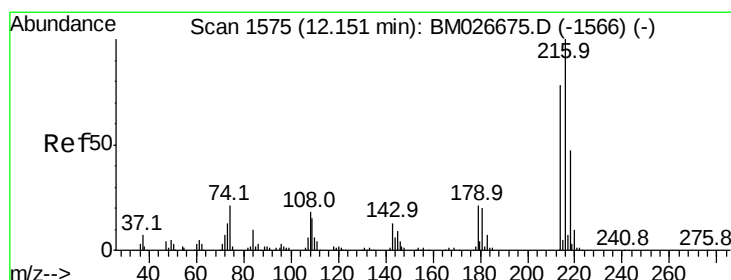
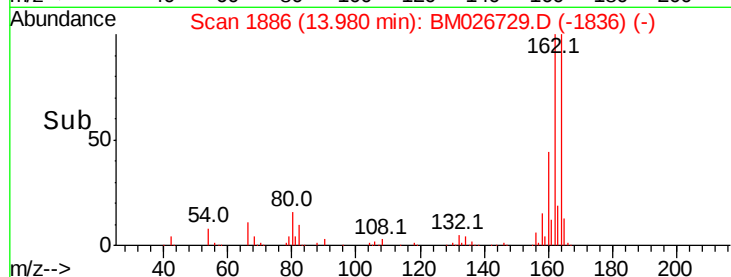
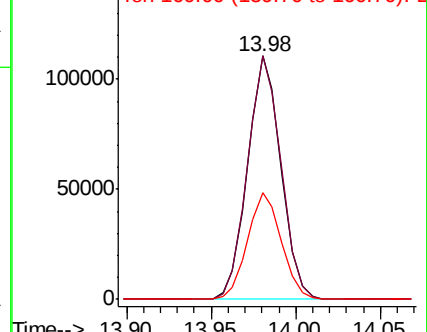


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#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

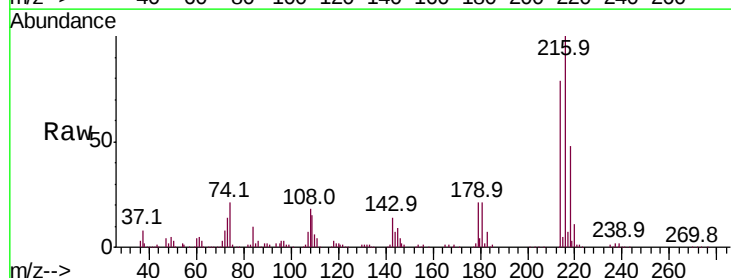
Ion Ratio Lower Upper

216 100

214 78.4 62.6 93.8

179 21.6 17.5 26.3

108 23.3 16.7 25.1



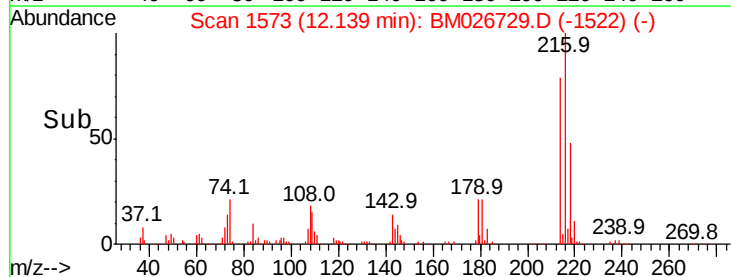
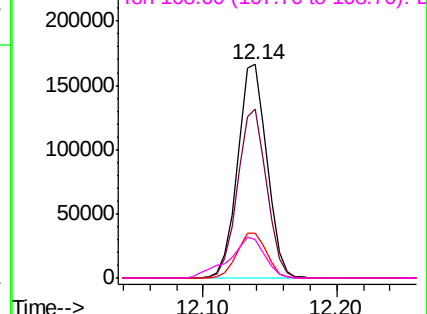
Abundance

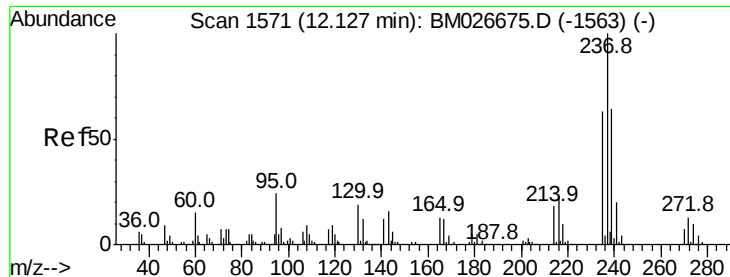
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#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

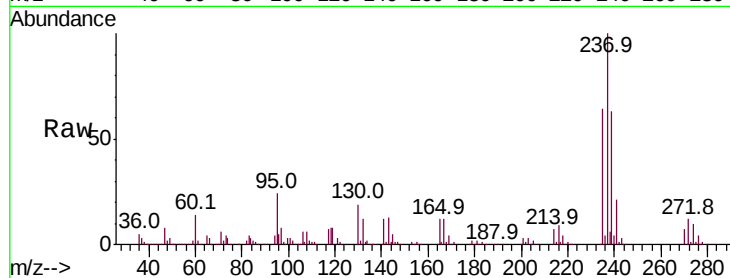
Tot Ion:237 Resp: 303779

Ion Ratio Lower Upper

237 100

235 64.1 42.8 82.8

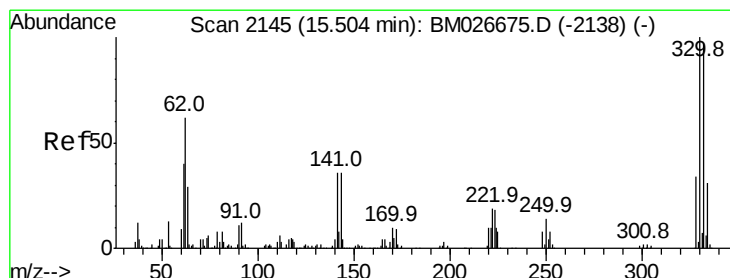
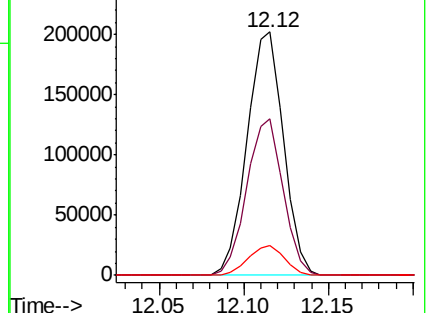
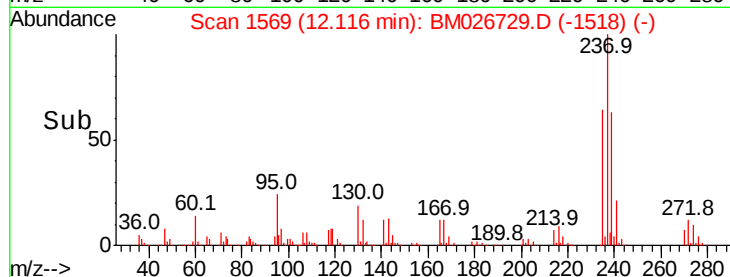
272 12.0 0.0 32.8



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 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

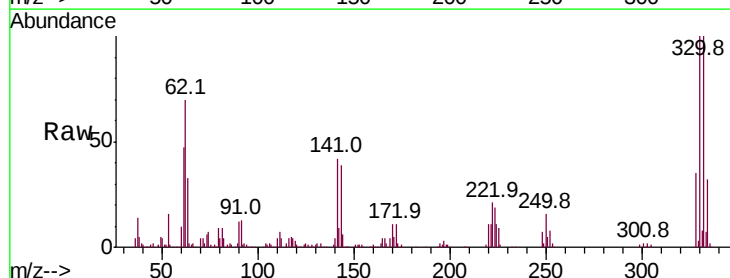
Tgt Ion:330 Resp: 250035

Ion Ratio Lower Upper

330 100

332 98.8 77.5 116.3

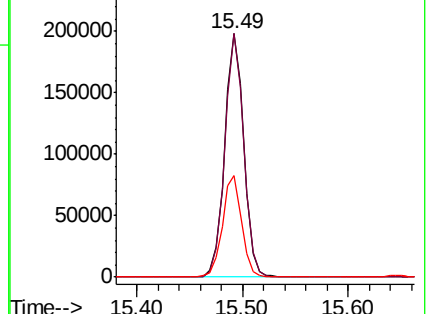
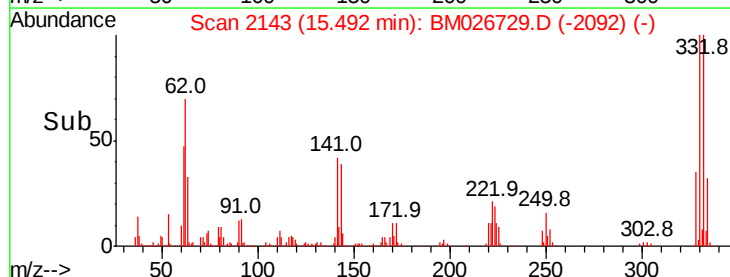
141 41.8 32.4 48.6

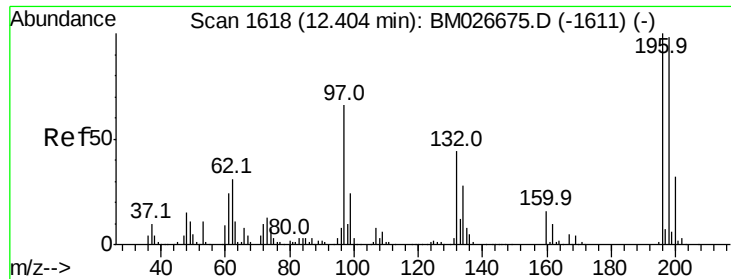


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

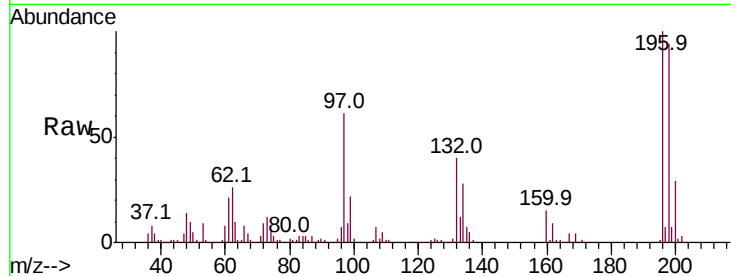




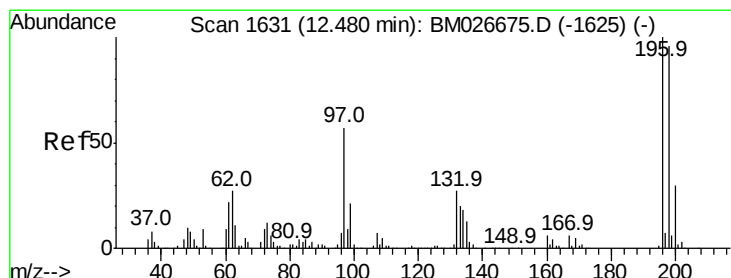
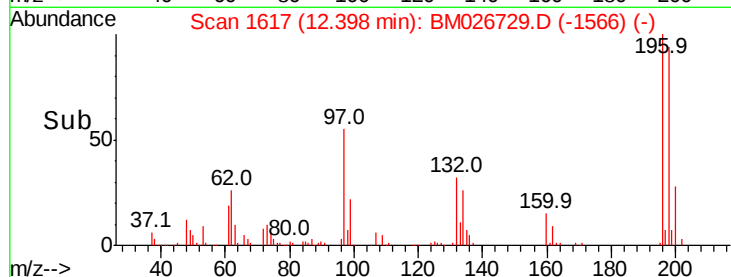
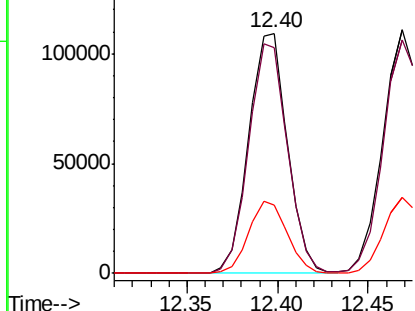
#43  
 2,4,6-Trichlorophenol  
 Concen: 50.639 ng  
 RT: 12.40 min Scan# 1617  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

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



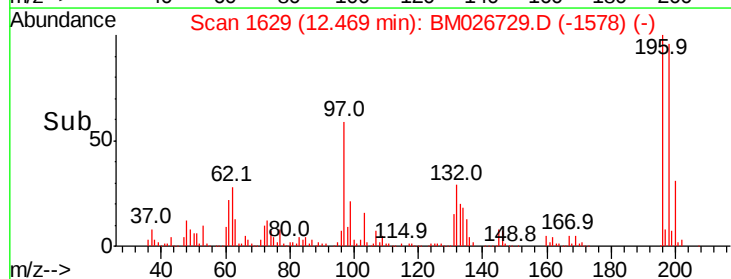
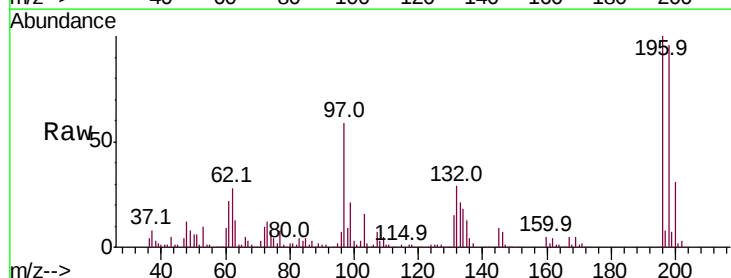
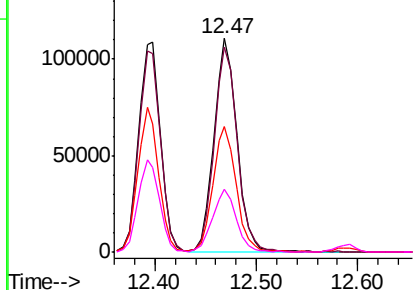
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

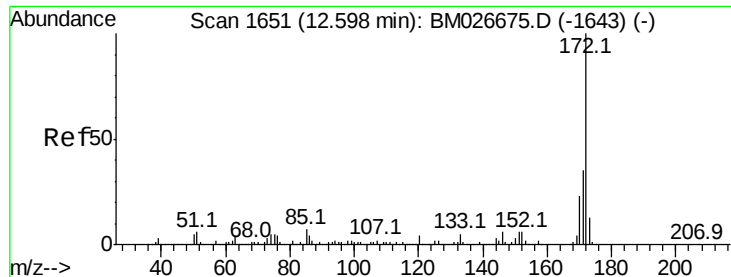


#44  
 2,4,5-Trichlorophenol  
 Concen: 46.436 ng  
 RT: 12.47 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:196 Resp: 174956  
 Ion Ratio Lower Upper  
 196 100  
 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): BM0  
 Ion 132.00 (131.70 to 132.70): E

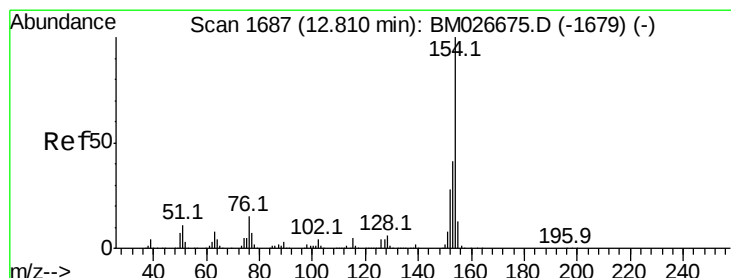
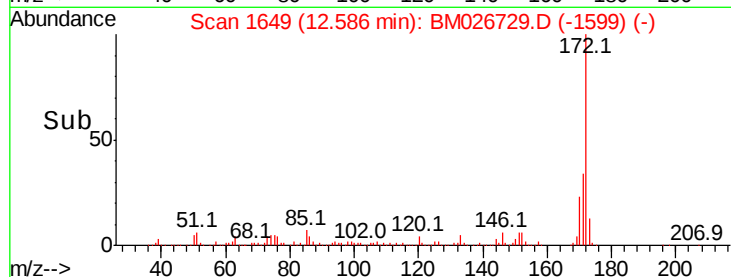
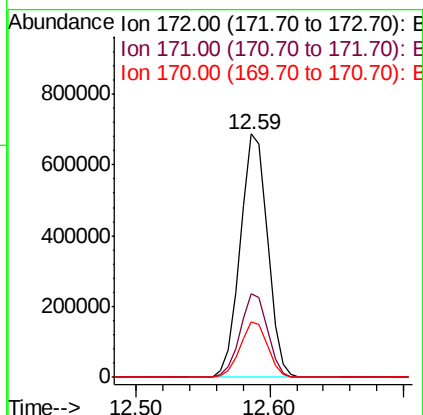
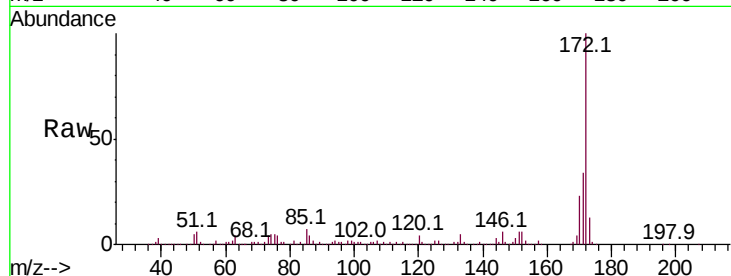




#45  
2-Fluorobiphenyl  
Concen: 85.287 ng  
RT: 12.59 min Scan# 1649  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

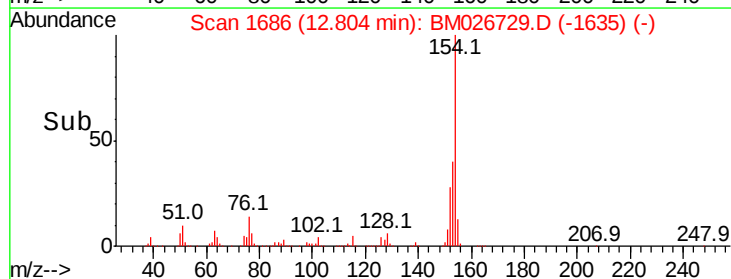
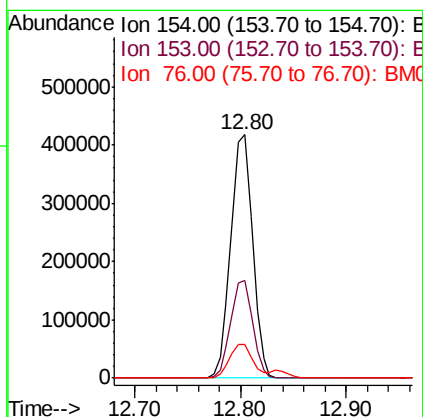
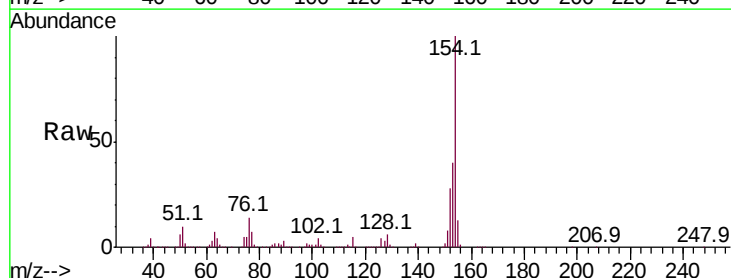
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

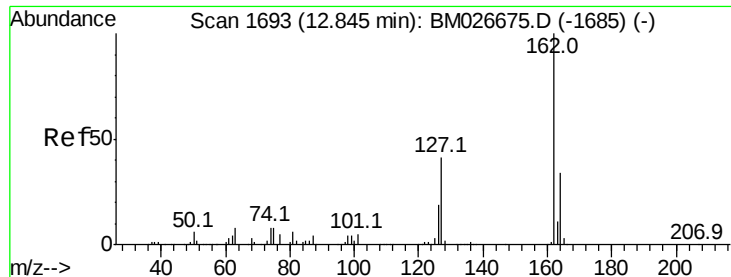
Tot Ion:172 Resp: 971187  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.8 41.6  
170 22.8 18.5 27.7



#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:154 Resp: 596768  
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

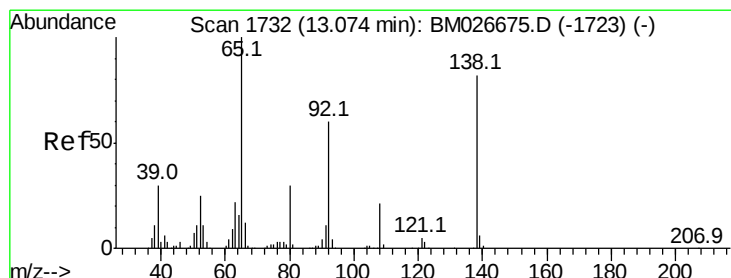
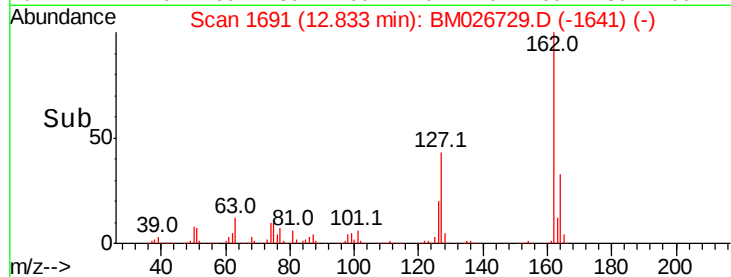
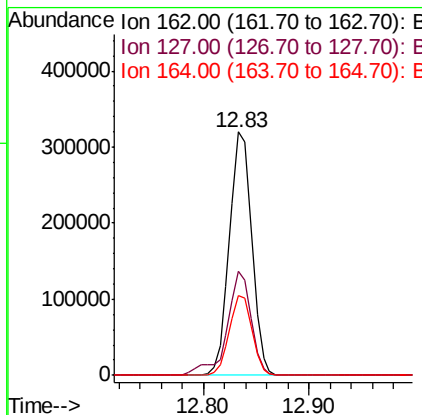
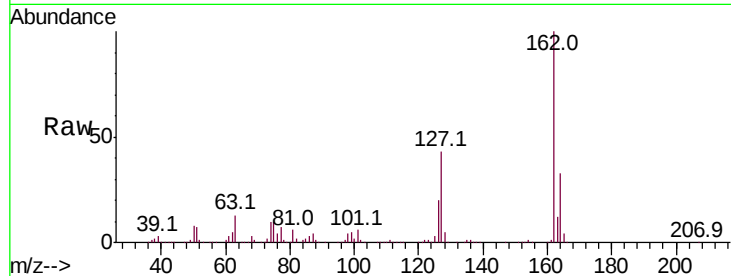
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M

ClientSampleId :  
MUDDY-DRUMMSD

Tot Ion:162 Resp: 467707

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



#48

2-Nitroaniline

Concen: 45.514 ng

RT: 13.06 min Scan# 1730

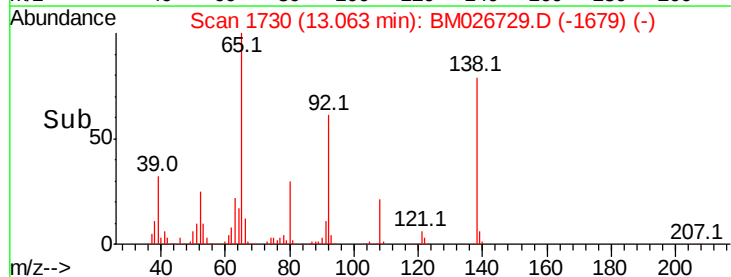
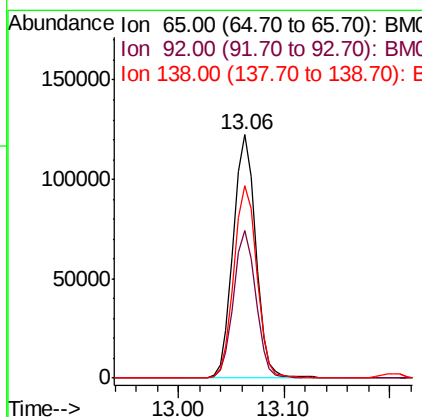
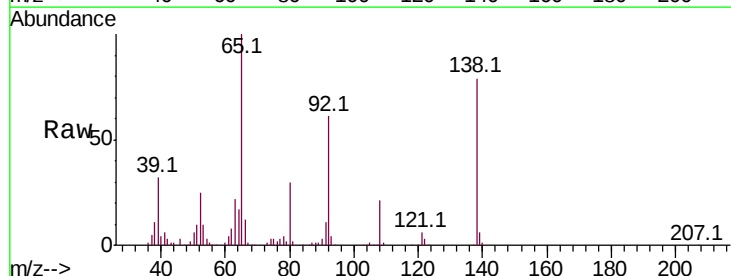
Delta R.T. -0.00 min

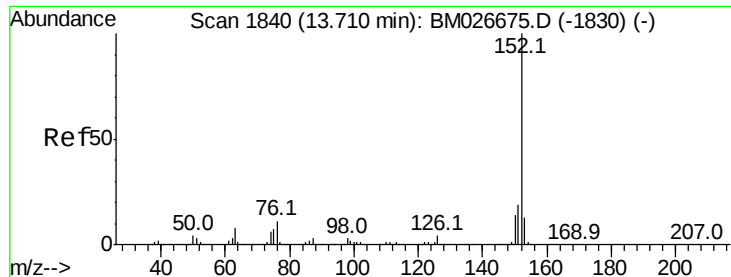
Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Tgt Ion: 65 Resp: 180966

| 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

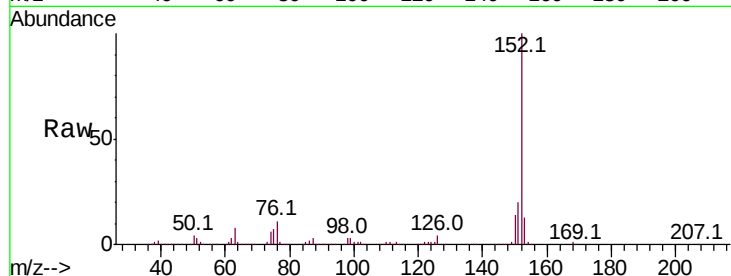
Tot Ion:152 Resp: 721715

Ion Ratio Lower Upper

152 100

151 19.9 15.6 23.4

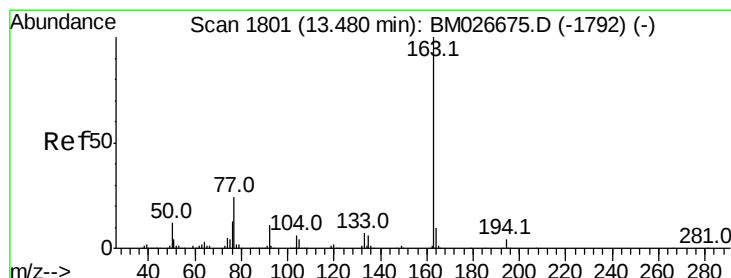
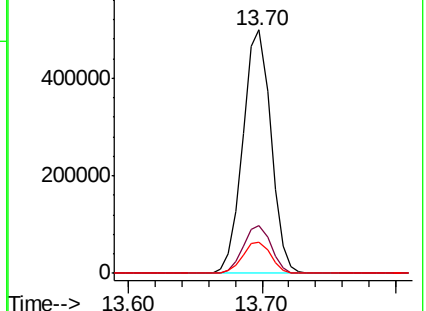
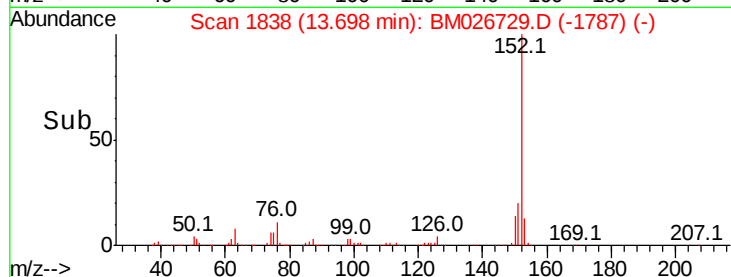
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 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

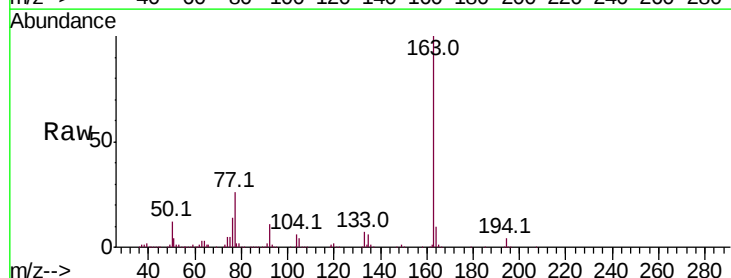
Tgt Ion:163 Resp: 688089

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

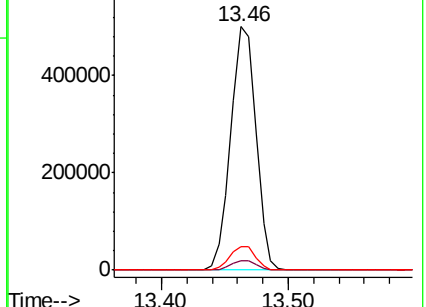
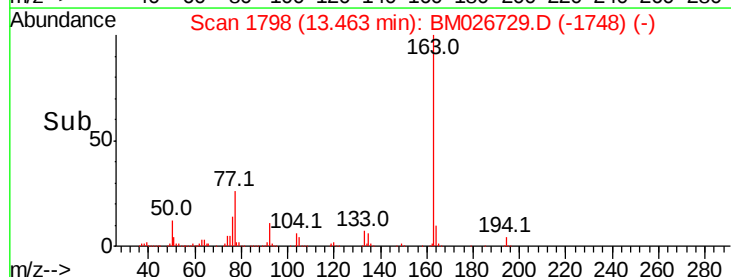
164 9.8 7.8 11.6

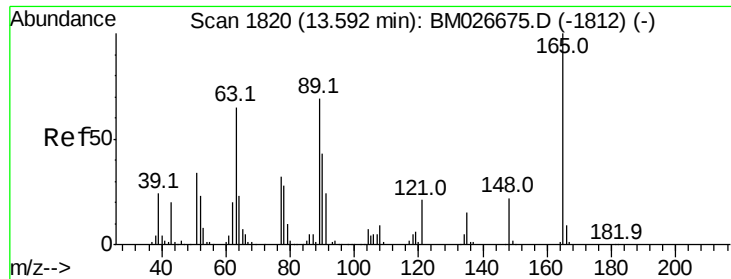


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

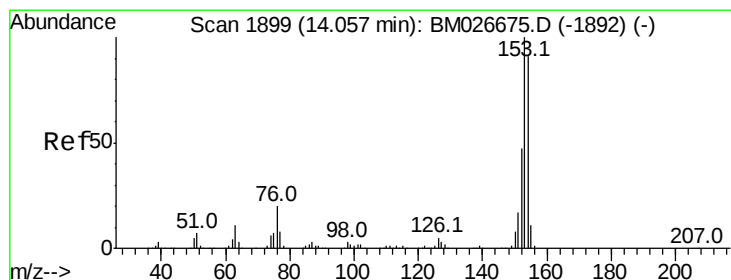
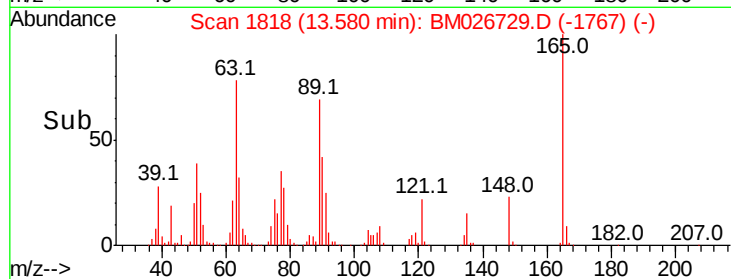
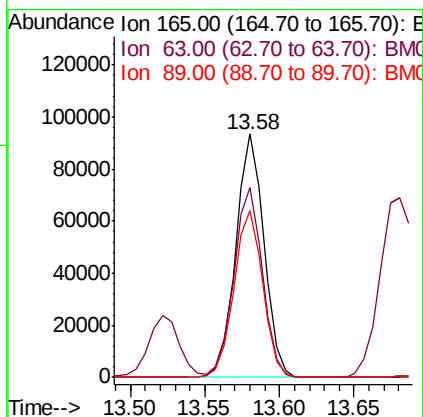
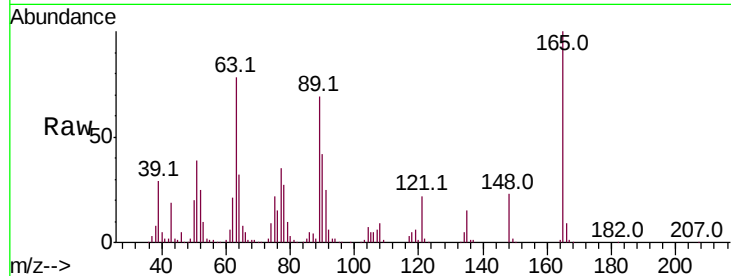




#51  
 2,6-Dinitrotoluene  
 Concen: 44.374 ng  
 RT: 13.58 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

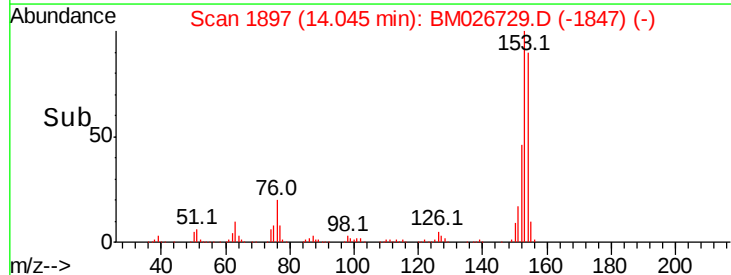
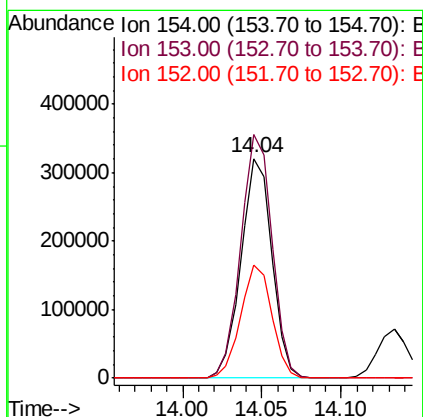
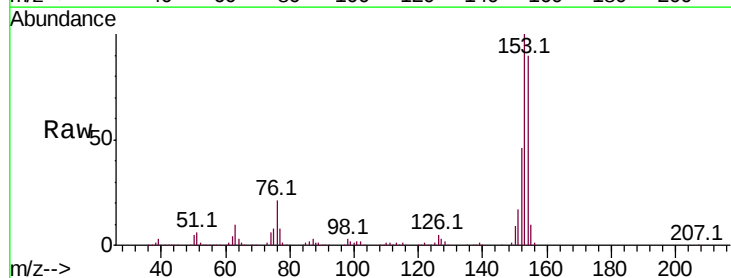
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

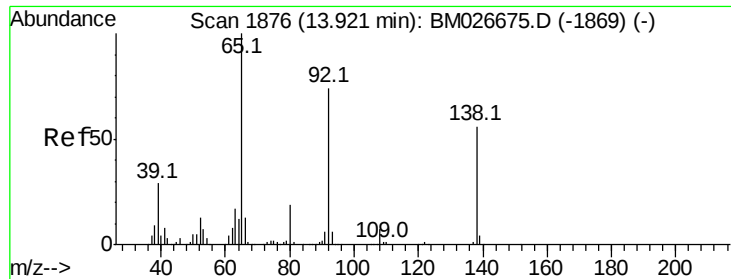
Tot Ion:165 Resp: 123058  
 Ion Ratio Lower Upper  
 165 100  
 63 77.9 61.1 91.7  
 89 68.5 54.9 82.3



#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

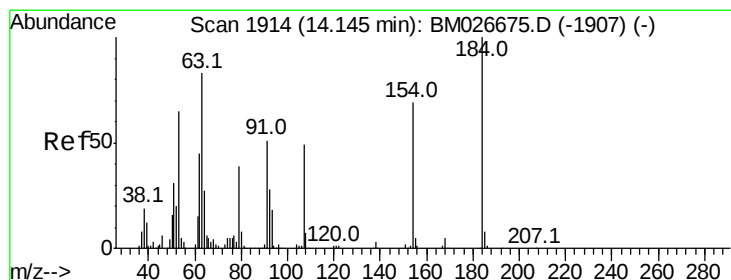
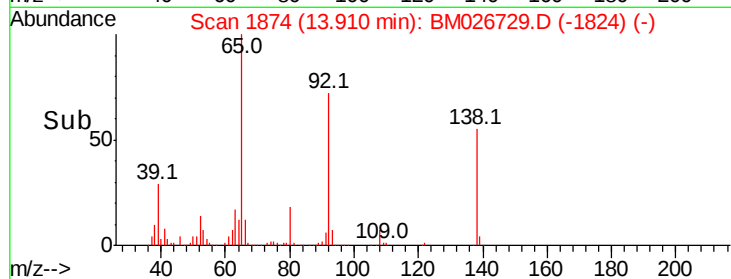
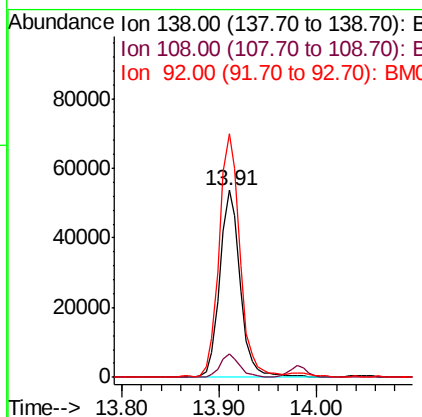
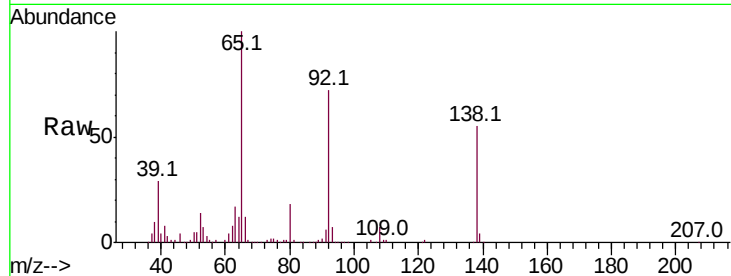




#53  
3-Nitroaniline  
Concen: 27.221 ng  
RT: 13.91 min Scan# 1874  
Delta R.T. -0.01 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

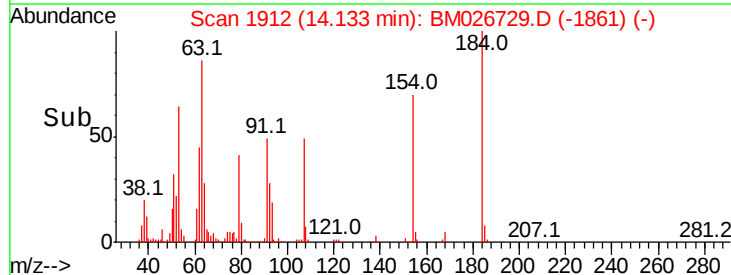
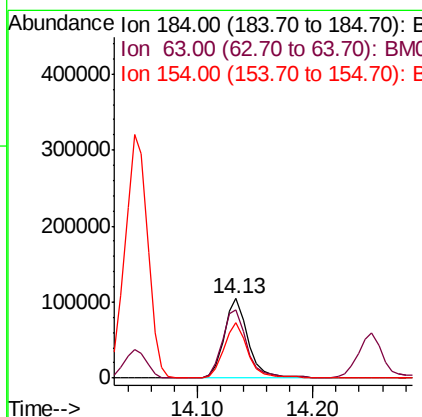
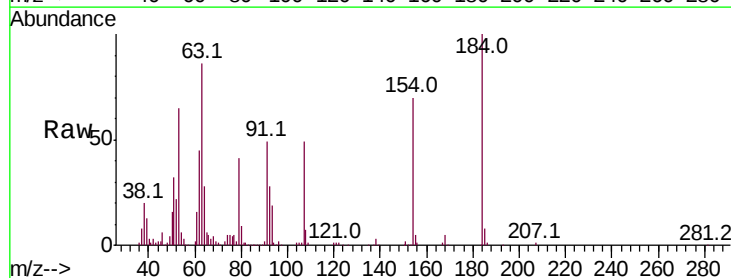
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

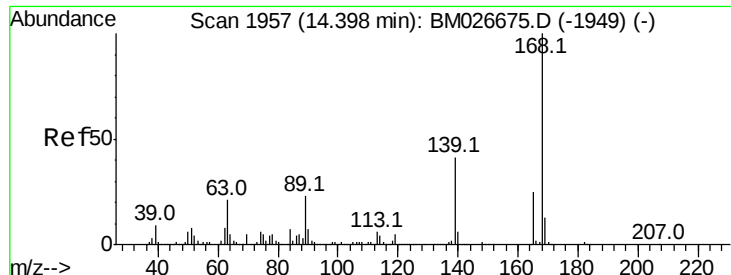
Tot Ion:138 Resp: 78533  
Ion Ratio Lower Upper  
138 100  
108 12.5 9.7 14.5  
92 130.3 105.6 158.4



#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

Instrument :

BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

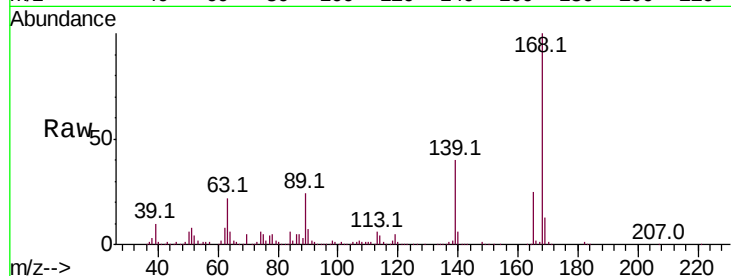
Tot Ion:168 Resp: 697371

Ion Ratio Lower Upper

168 100

139 40.3 32.6 48.8

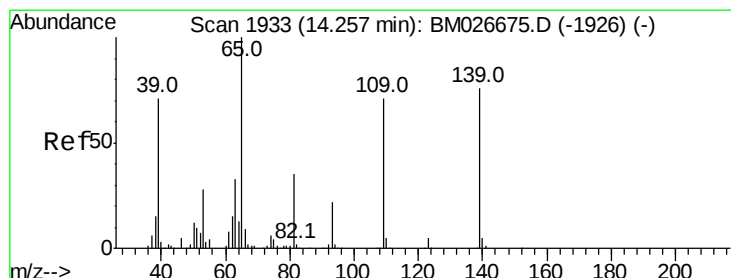
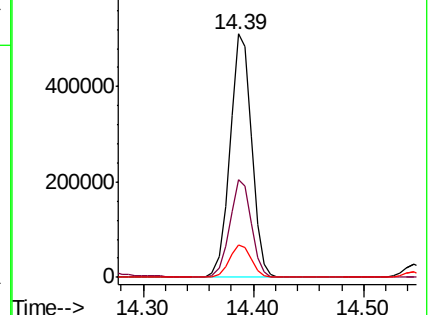
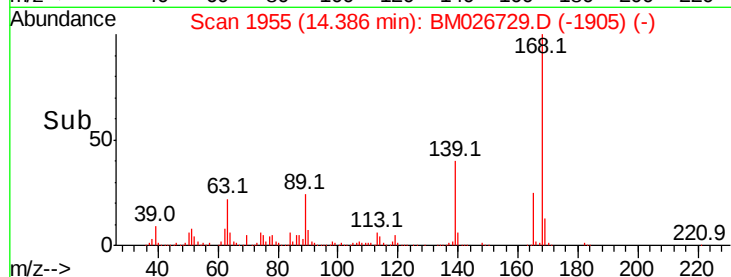
169 13.3 10.5 15.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 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

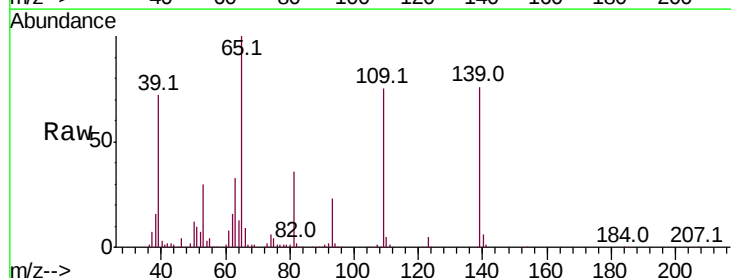
Tgt Ion:139 Resp: 205619

Ion Ratio Lower Upper

139 100

109 98.4 73.7 113.7

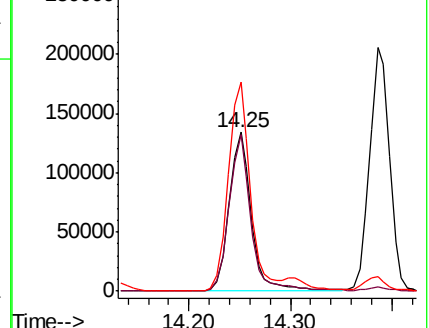
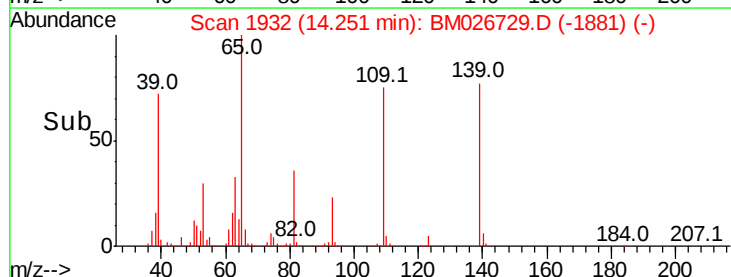
65 131.8 111.5 151.5

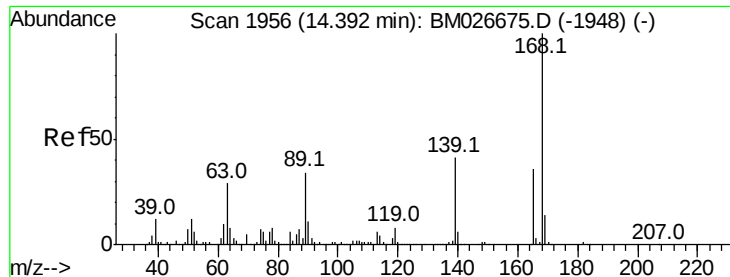


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

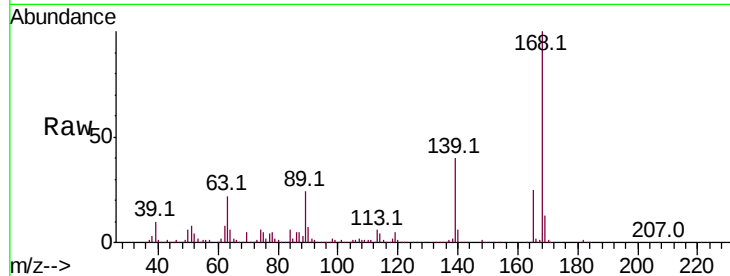




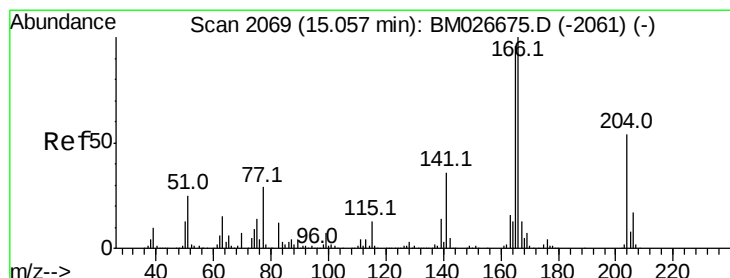
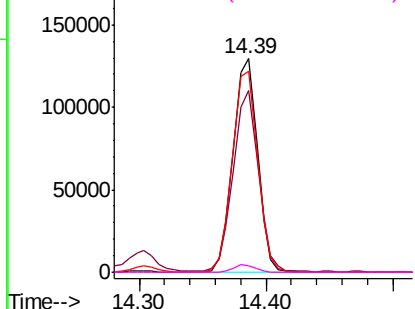
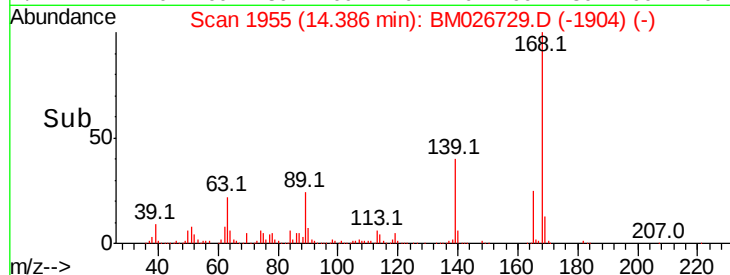
#57  
2,4-Dinitrotoluene  
Concen: 43.278 ng  
RT: 14.39 min Scan# 1955  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

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

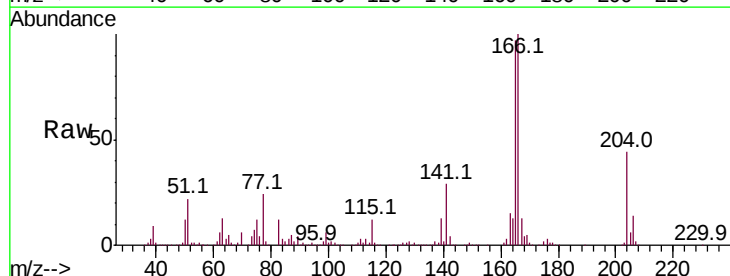


Abundance Ion 165.00 (164.70 to 165.70): E  
200000  
Ion 63.00 (62.70 to 63.70): BM  
Ion 89.00 (88.70 to 89.70): BM  
Ion 182.00 (181.70 to 182.70): E

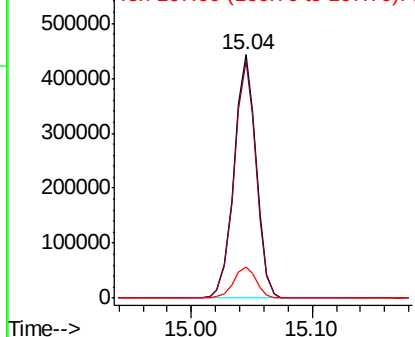
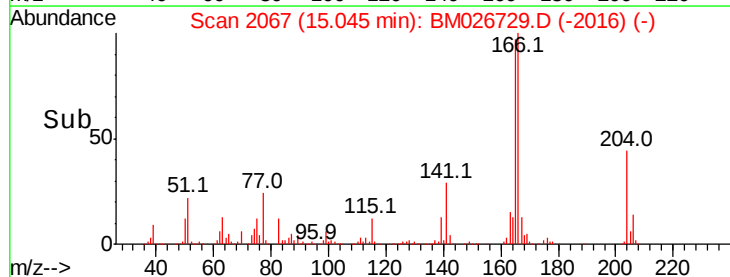


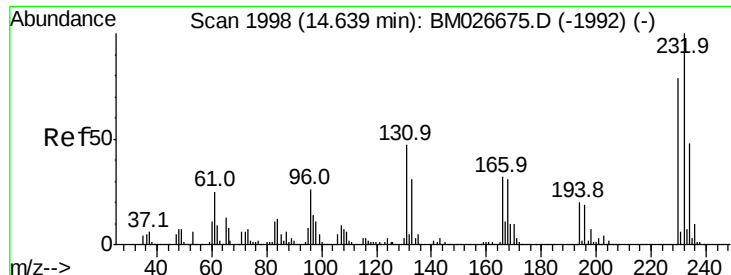
#58  
Fluorene  
Concen: 44.281 ng  
RT: 15.04 min Scan# 2067  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

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



Abundance Ion 166.00 (165.70 to 166.70): E  
600000  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

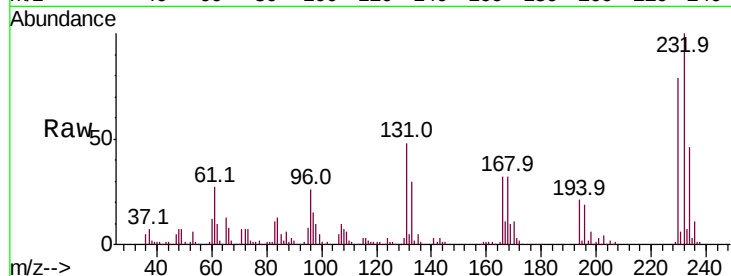




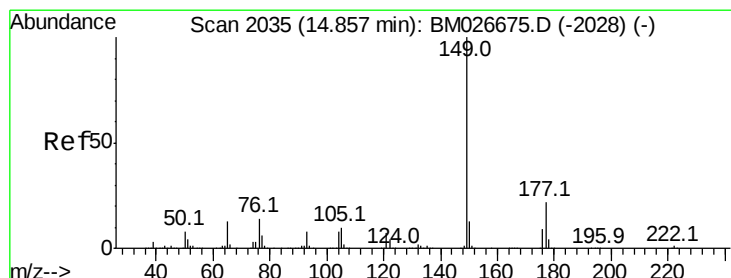
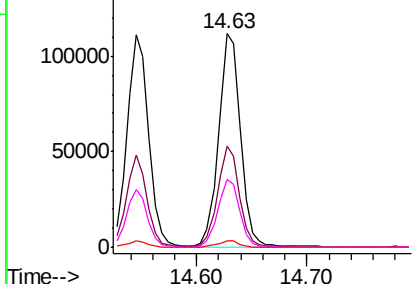
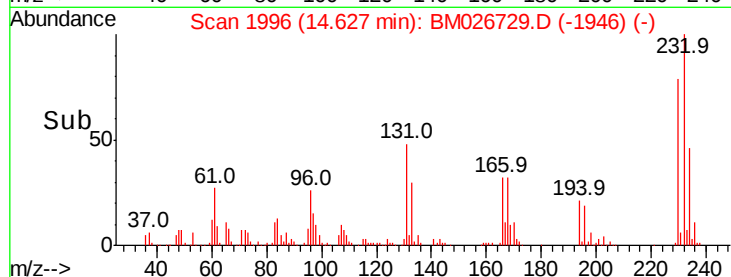
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.685 ng  
 RT: 14.63 min Scan# 1996  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Tot Ion:232 Resp: 153609  
 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

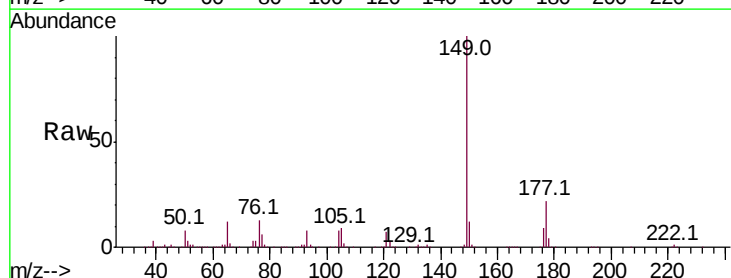


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

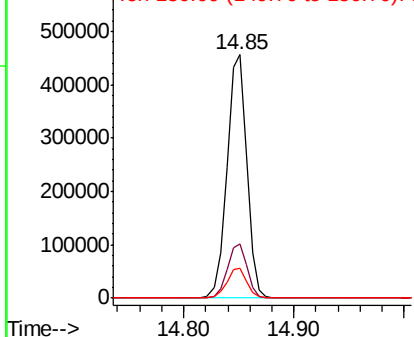
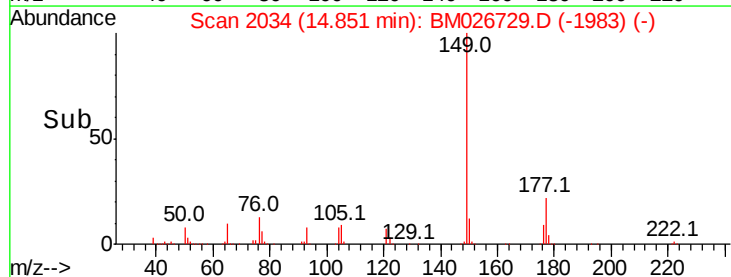


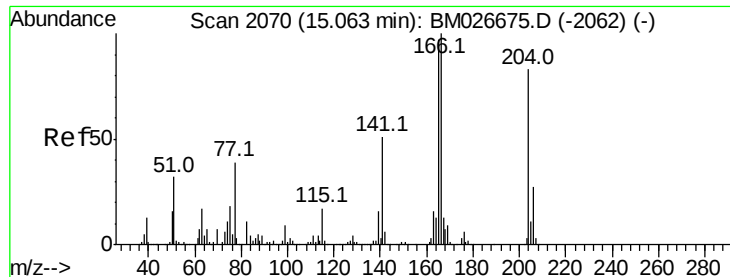
#60  
 Diethylphthalate  
 Concen: 41.741 ng  
 RT: 14.85 min Scan# 2034  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:149 Resp: 571610  
 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

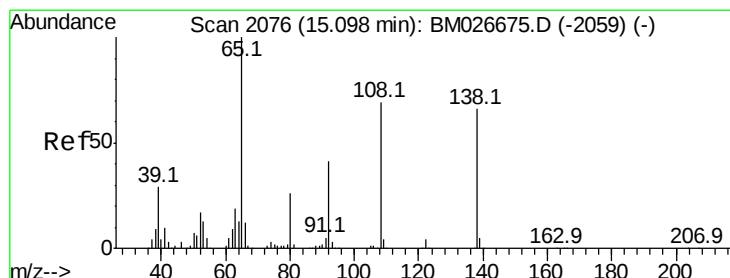
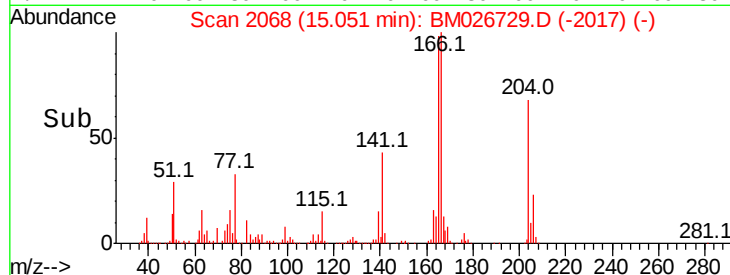
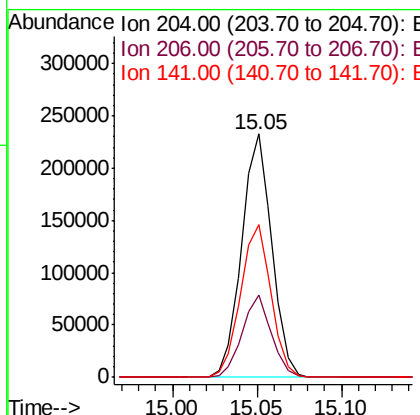
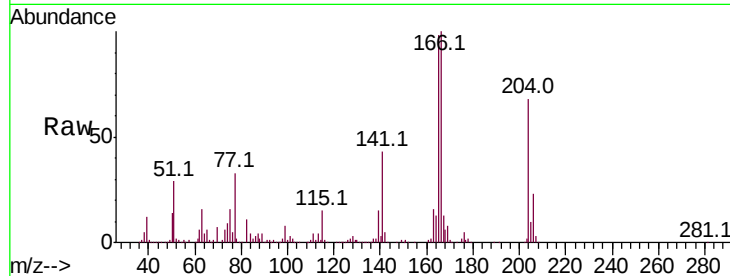




#61  
4-Chlorophenyl-phenylether  
Concen: 41.909 ng  
RT: 15.05 min Scan# 2068  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

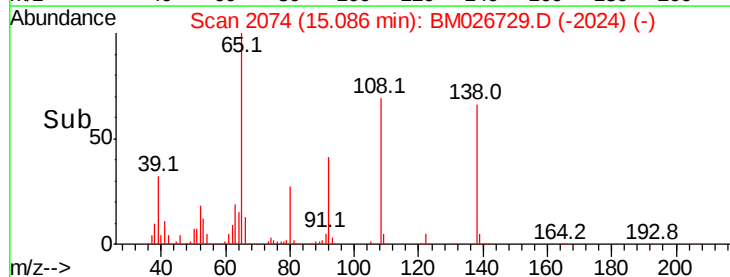
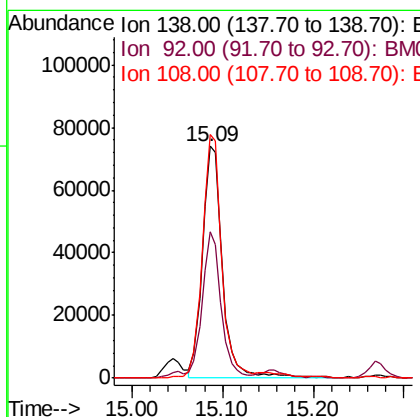
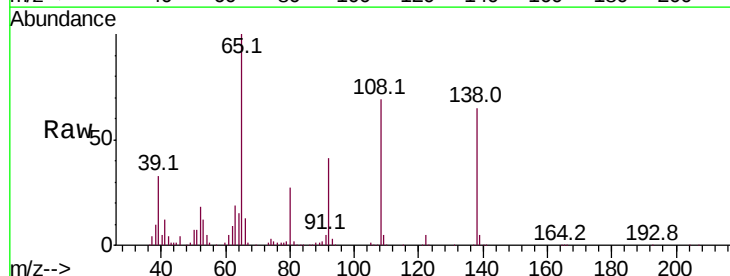
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

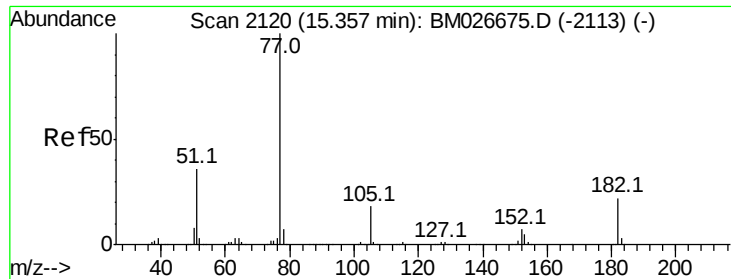
Tot Ion:204 Resp: 289336  
Ion Ratio Lower Upper  
204 100  
206 33.6 25.9 38.9  
141 62.8 49.5 74.3



#62  
4-Nitroaniline  
Concen: 34.867 ng  
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: 114440  
Ion Ratio Lower Upper  
138 100  
92 62.9 41.5 81.5  
108 105.1 84.8 124.8

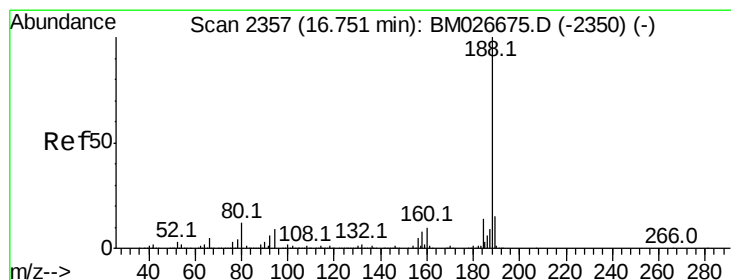
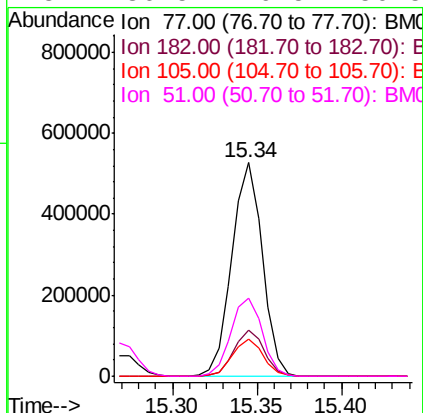
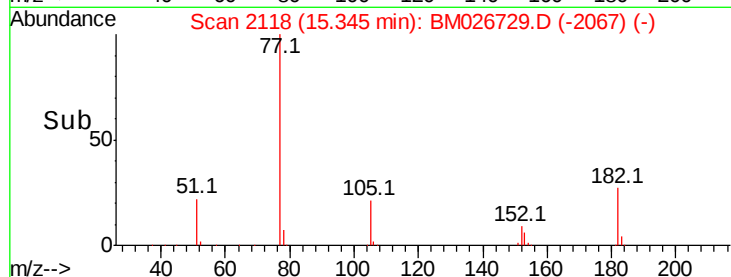
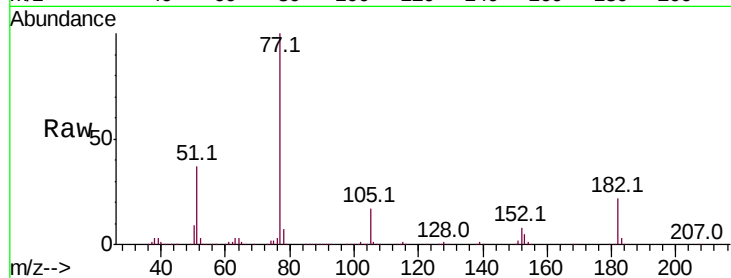




#63  
Azobenzene  
Concen: 44.143 ng  
RT: 15.34 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

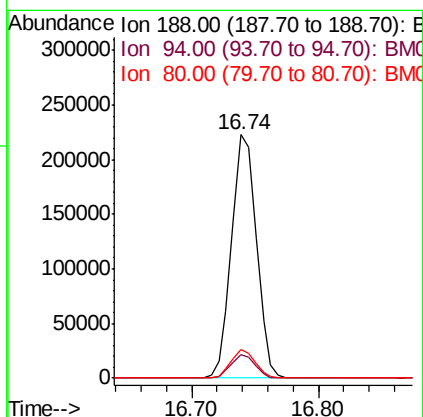
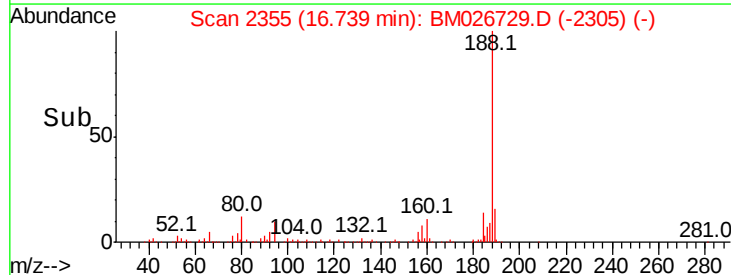
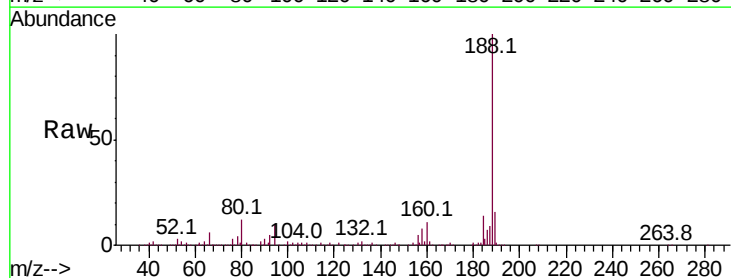
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

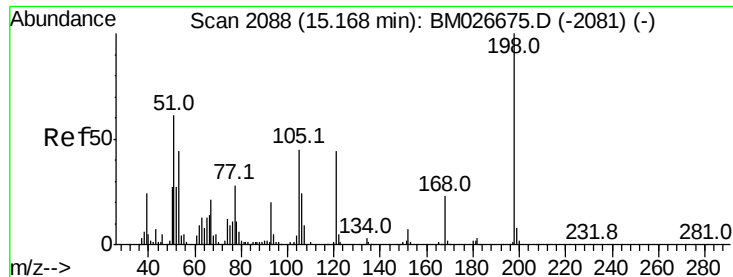
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 663956 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.5  | 1.6   | 41.6   |
| 105      | 17.2  | 0.0   | 37.8   |
| 51       | 36.5  | 16.5  | 56.5   |



#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: | 188   | Resp: | 302778 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.5   | 7.4   | 11.0   |
| 80       | 11.8  | 9.3   | 13.9   |





#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 :

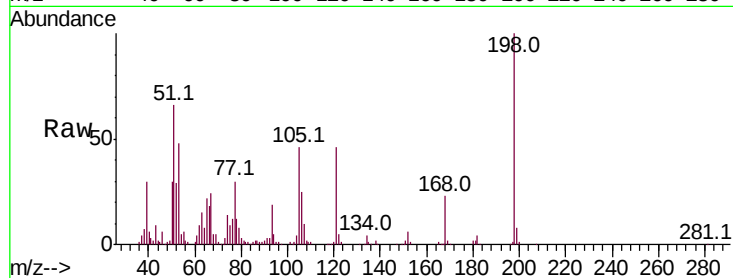
BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion:198 Resp: 100987

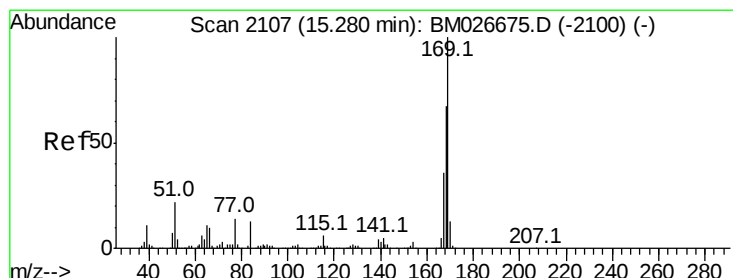
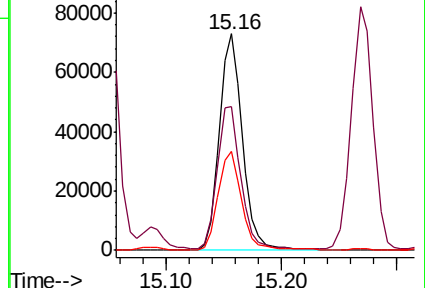
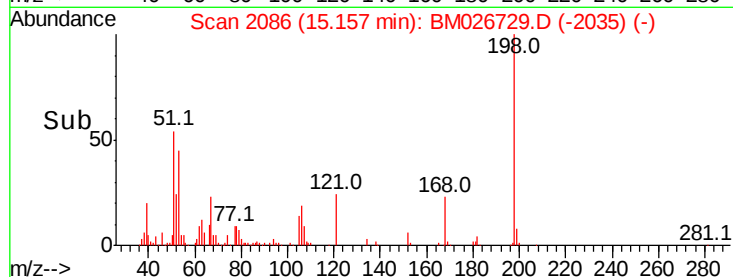
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 66.2  | 42.0  | 82.0  |
| 105 | 46.0  | 24.9  | 64.9  |



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.602 ng

RT: 15.27 min Scan# 2106

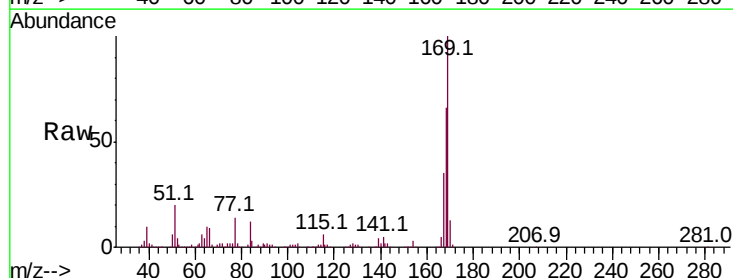
Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Tgt Ion:169 Resp: 477257

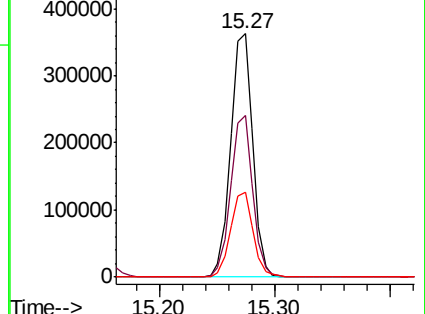
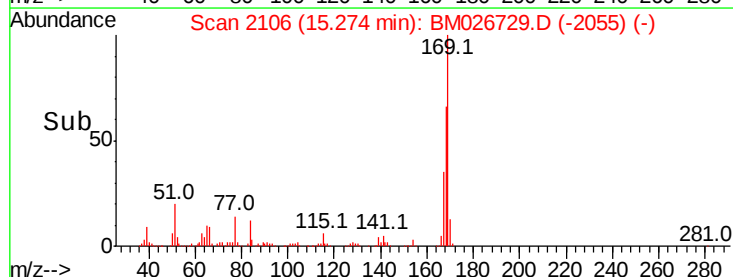
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 66.3  | 53.8  | 80.8  |
| 167 | 34.8  | 28.6  | 43.0  |

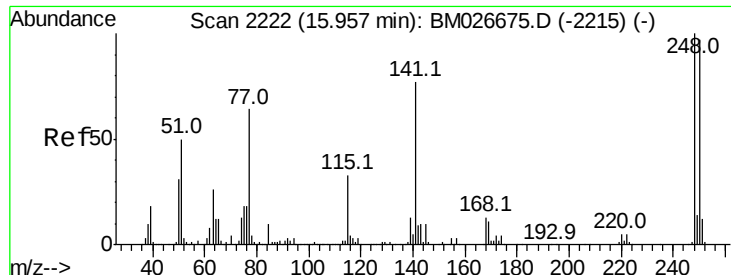


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

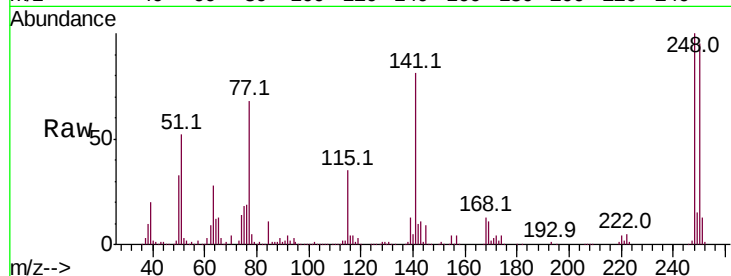




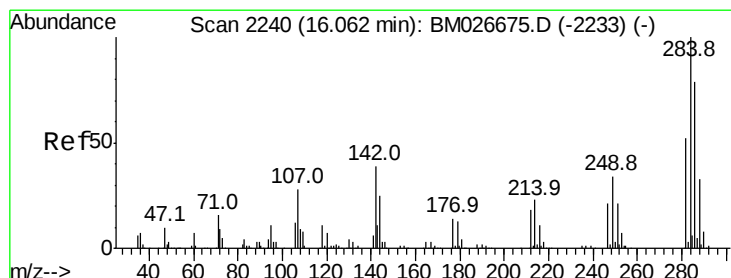
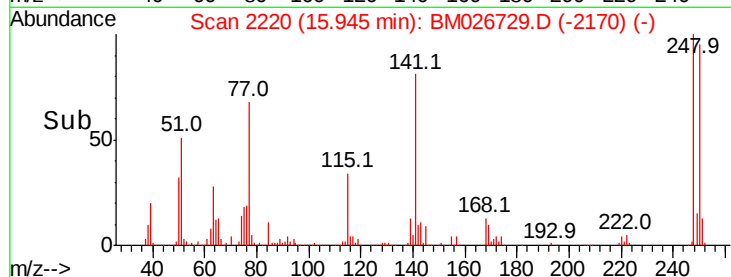
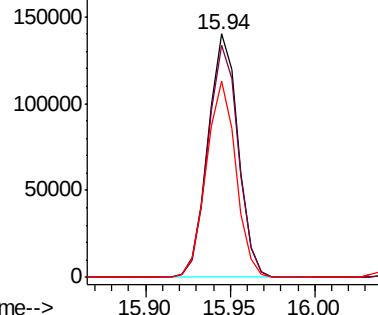
#67  
 4-Bromophenyl-phenylether  
 Concen: 46.289 ng  
 RT: 15.94 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

Tot Ion:248 Resp: 174451  
 Ion Ratio Lower Upper  
 248 100  
 250 95.5 77.4 116.2  
 141 80.8 61.9 92.9

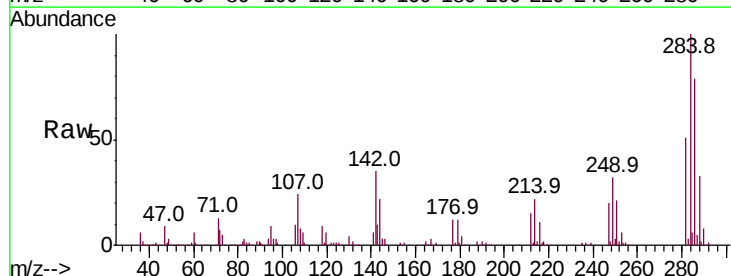


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

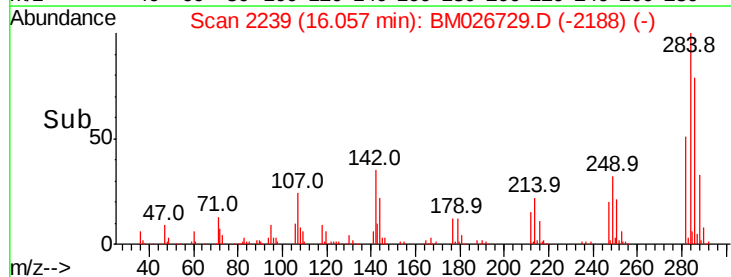
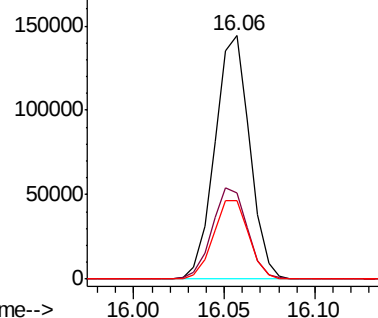


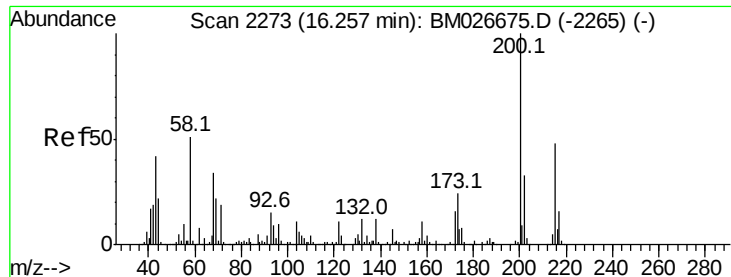
#68  
 Hexachlorobenzene  
 Concen: 48.426 ng  
 RT: 16.06 min Scan# 2239  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

Tgt Ion:284 Resp: 192082  
 Ion Ratio Lower Upper  
 284 100  
 142 35.3 31.1 46.7  
 249 32.2 27.4 41.0



Abundance Ion 283.80 (283.50 to 284.50): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E

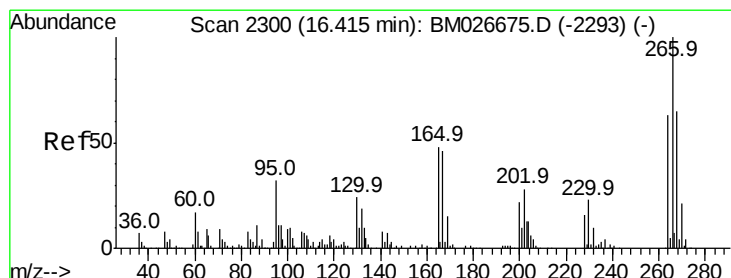
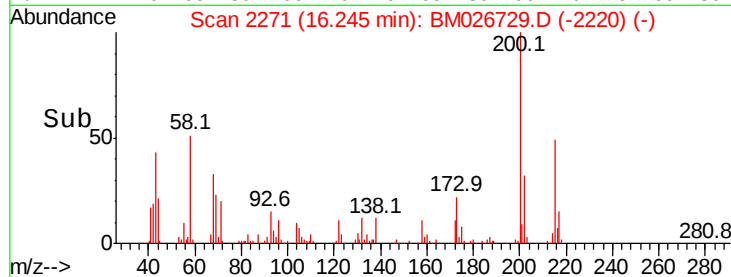
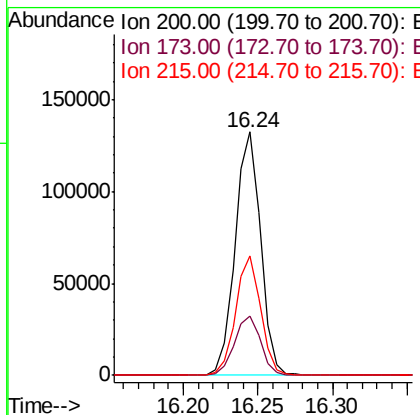
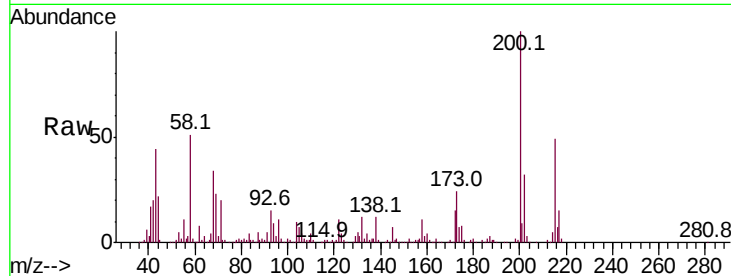




#69  
 Atrazine  
 Concen: 54.581 ng  
 RT: 16.24 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

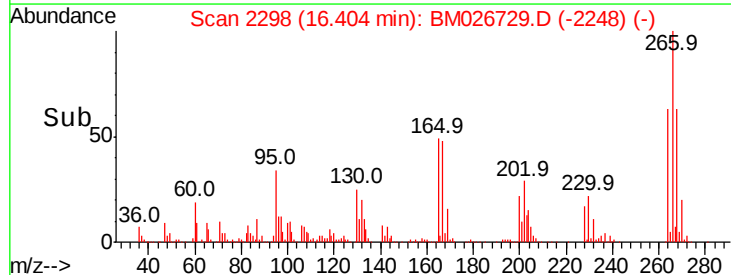
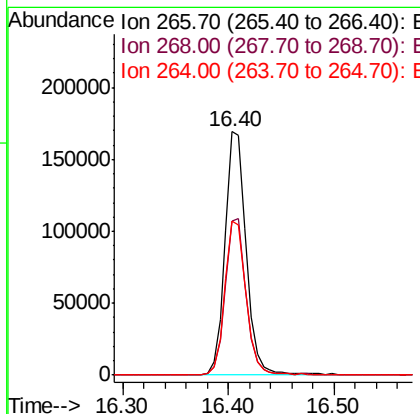
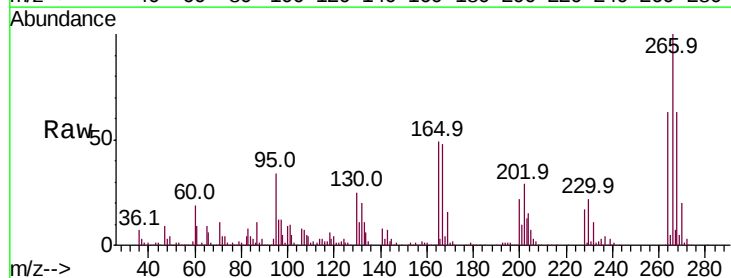
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

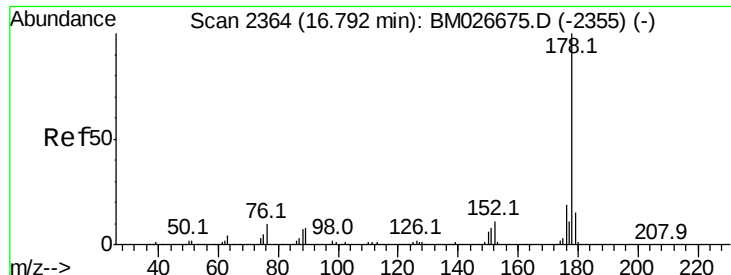
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.5  | 4.5   | 44.5  |
| 215     | 48.9  | 28.4  | 68.4  |



#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  |

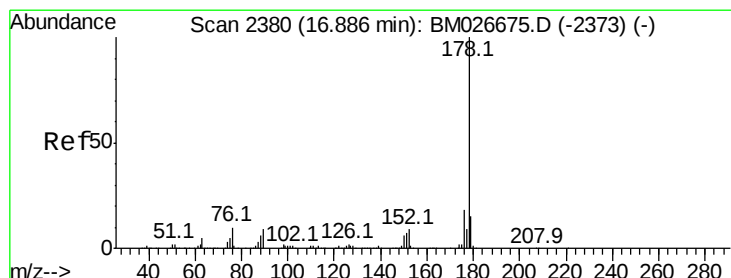
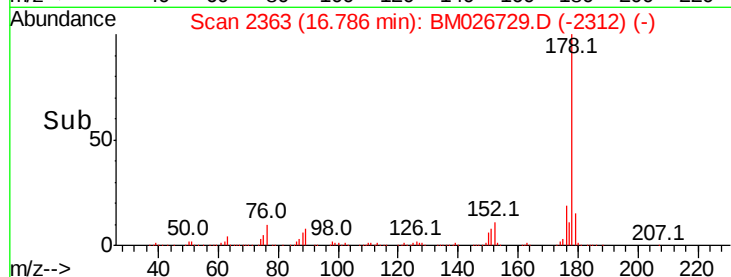
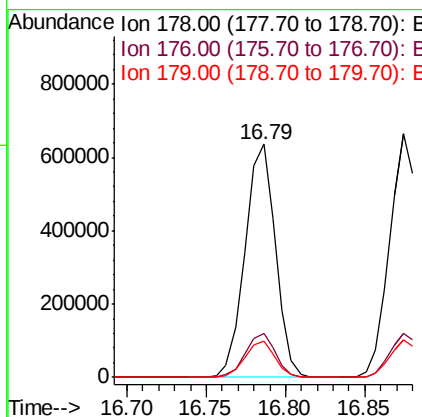
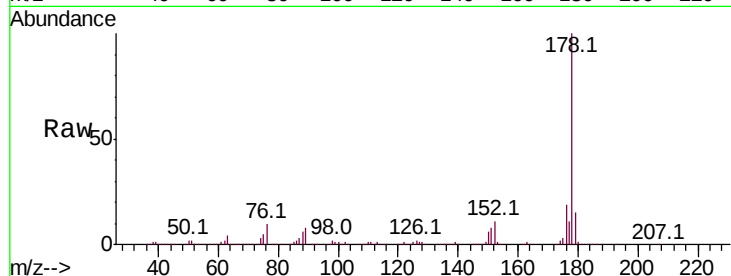




#71  
Phenanthrene  
Concen: 47.573 ng  
RT: 16.79 min Scan# 2363  
Delta R.T. -0.00 min  
Lab File: BM026729.D  
Acq: 10 Jul 2020 12:07

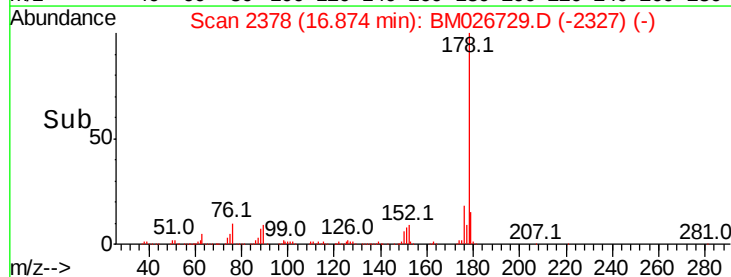
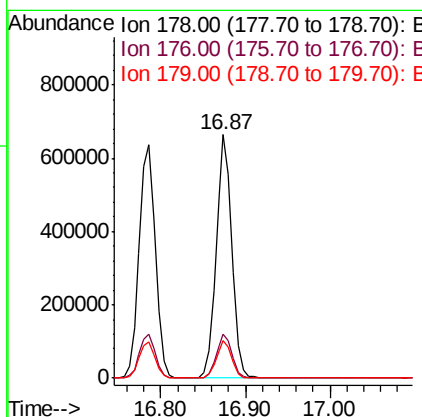
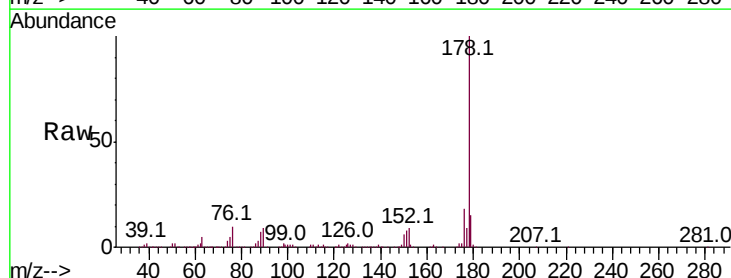
Instrument :  
BNA\_M  
ClientSampleId :  
MUDDY-DRUMMSD

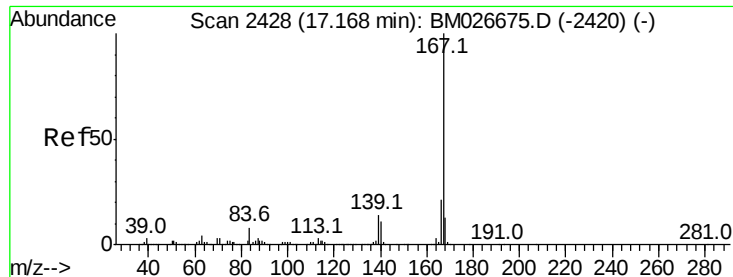
Tot Ion:178 Resp: 850337  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.6  
179 15.4 12.1 18.1



#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:178 Resp: 868852  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.7 22.1  
179 15.3 12.1 18.1

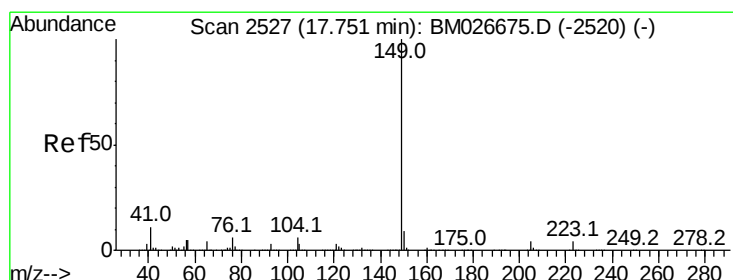
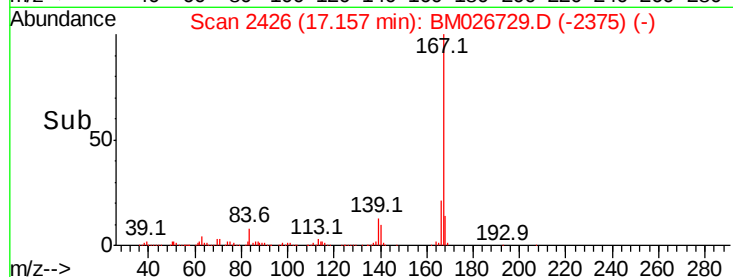
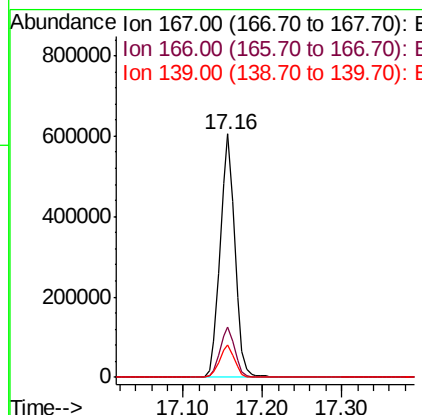
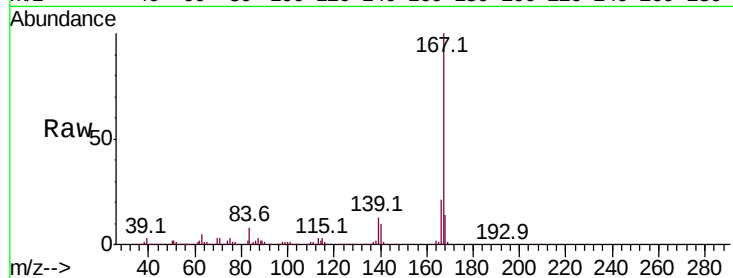




#73  
 Carbazole  
 Concen: 45.927 ng  
 RT: 17.16 min Scan# 2426  
 Delta R.T. -0.00 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

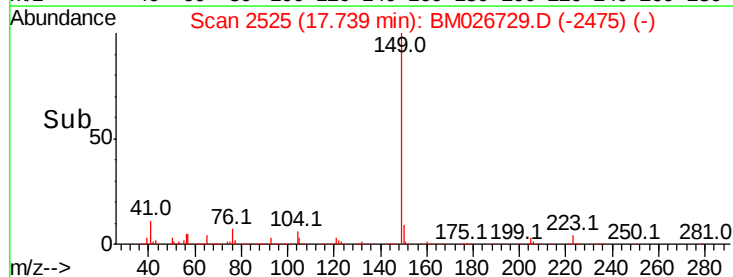
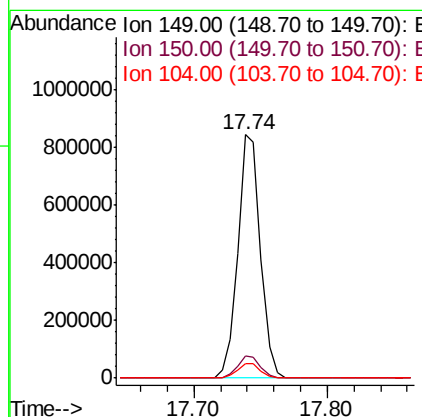
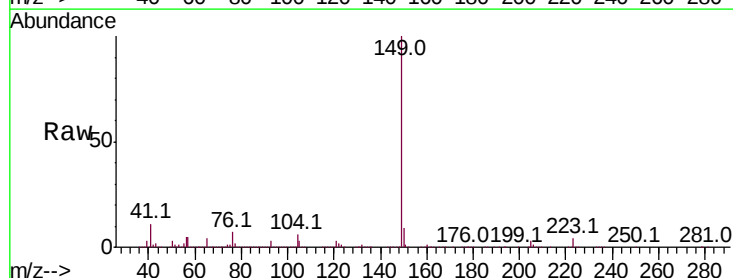
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

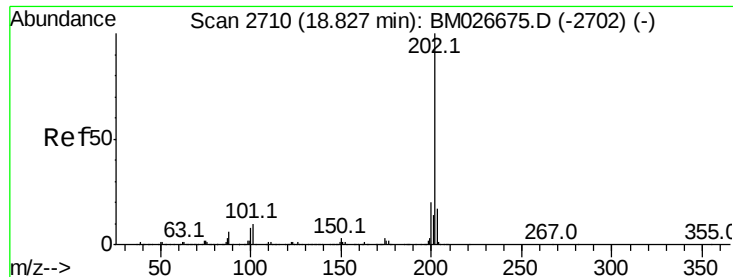
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 20.6  | 16.9  | 25.3  |
| 139     | 13.4  | 10.8  | 16.2  |



#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

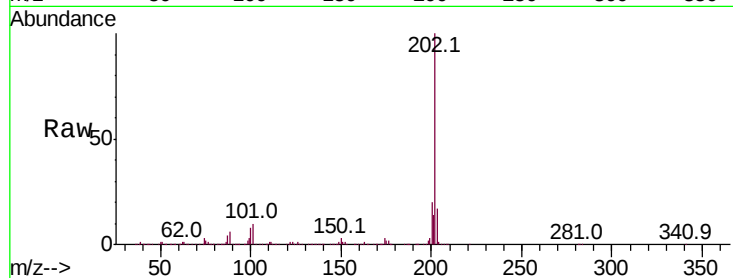
Tot Ion:202 Resp: 1041224

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.1

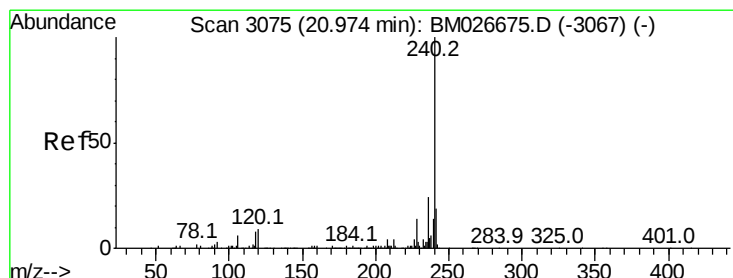
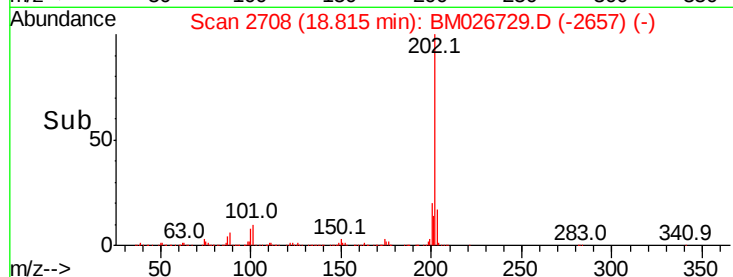
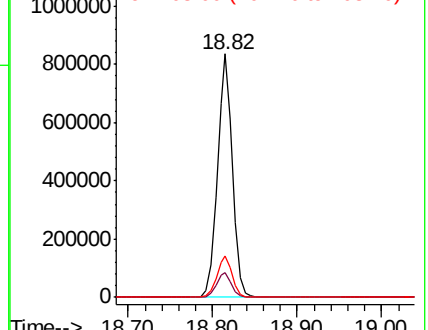
203 16.8 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.96 min Scan# 3073

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

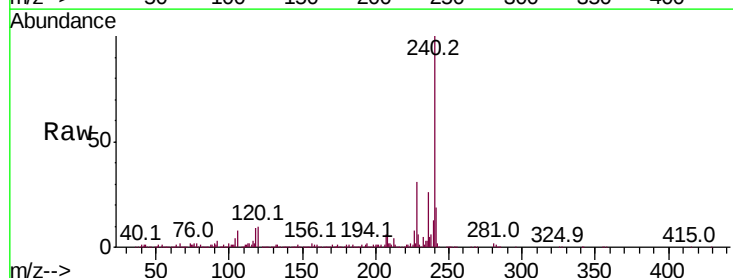
Tgt Ion:240 Resp: 360712

Ion Ratio Lower Upper

240 100

120 9.8 7.3 10.9

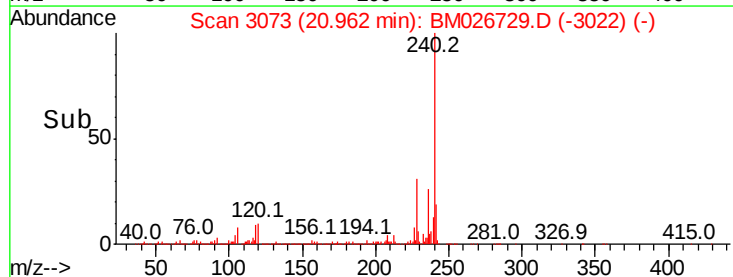
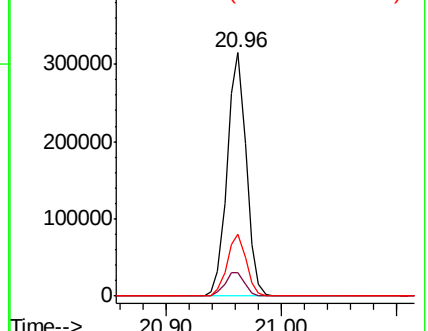
236 25.5 19.4 29.2

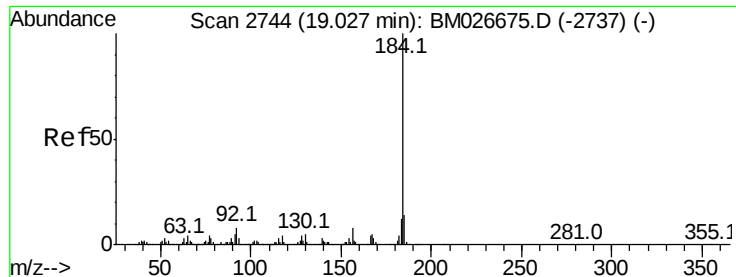


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 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

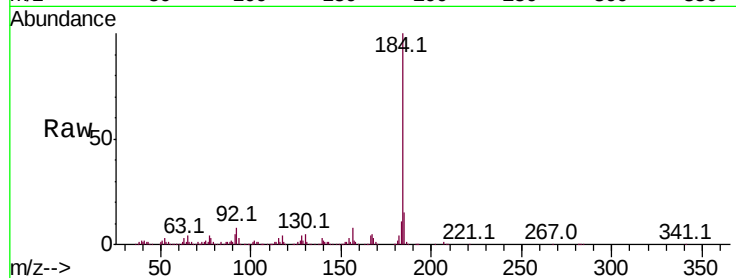
Tot Ion:184 Resp: 506822

Ion Ratio Lower Upper

184 100

185 14.6 10.9 16.3

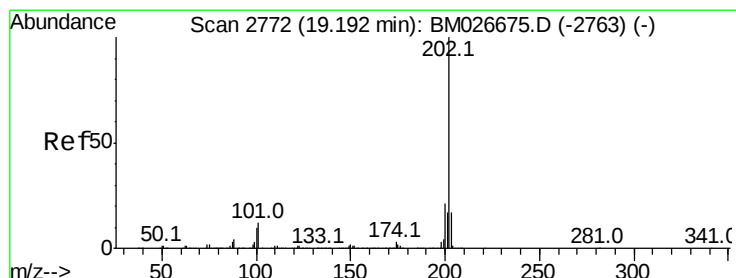
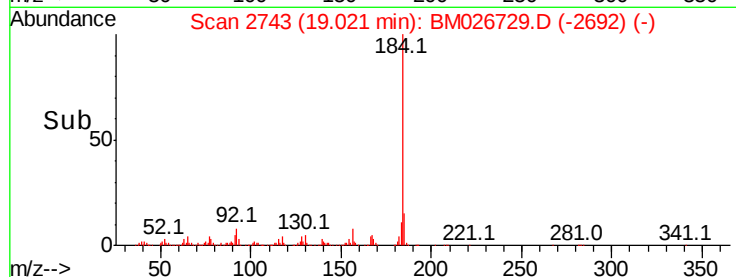
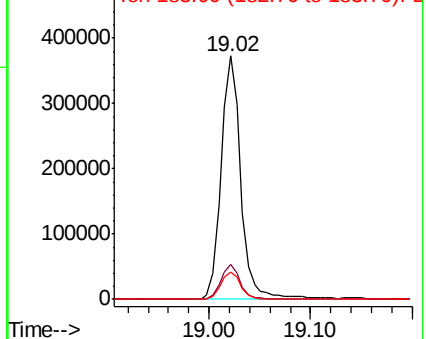
183 11.4 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.322 ng

RT: 19.18 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

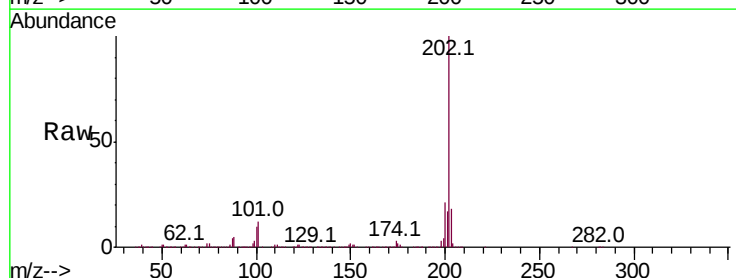
Tgt Ion:202 Resp: 1052572

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

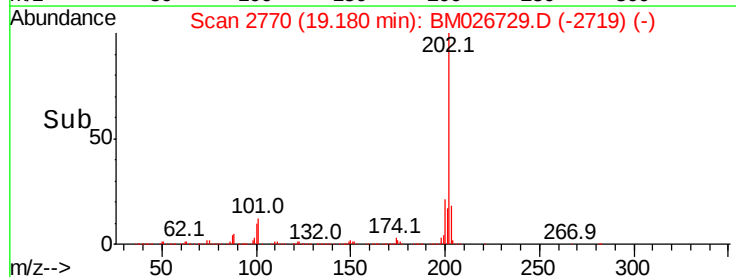
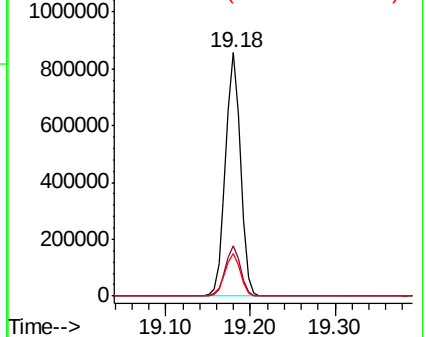
203 17.5 13.7 20.5

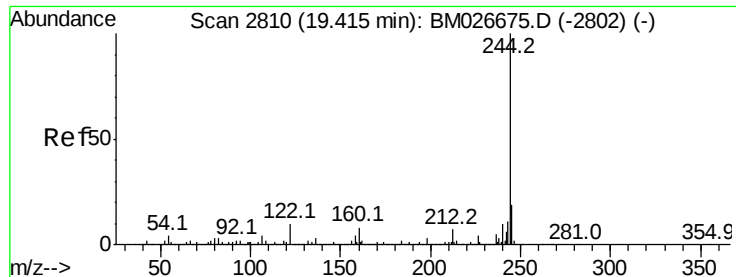


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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

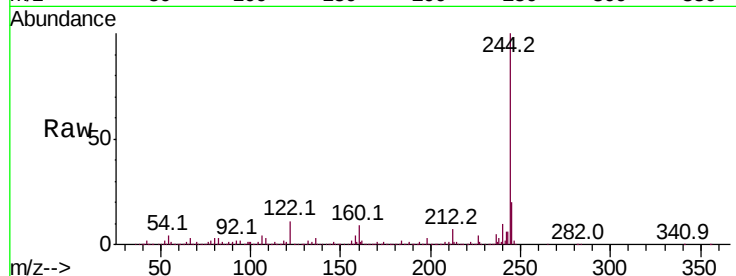
Tot Ion:244 Resp: 1566287

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

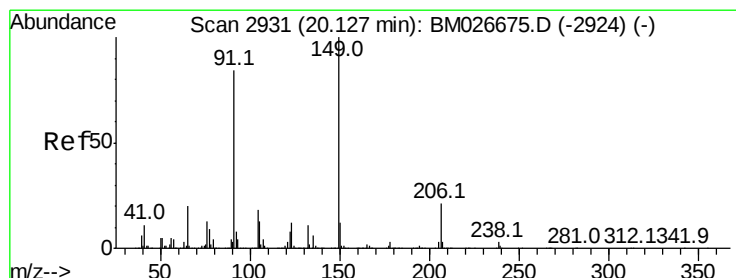
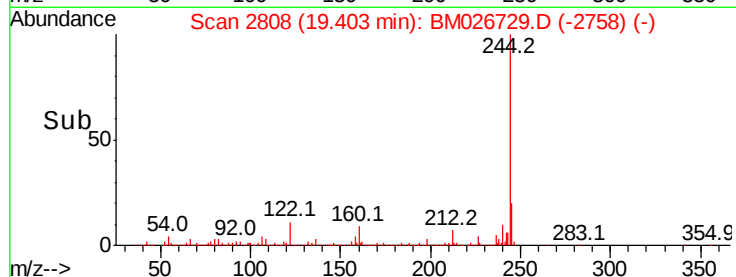
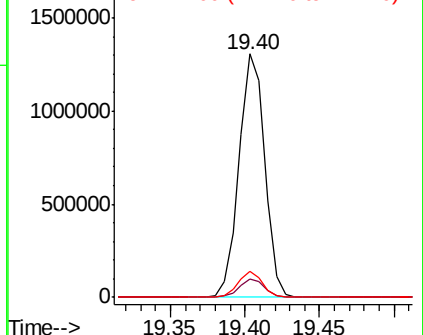
122 10.7 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 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

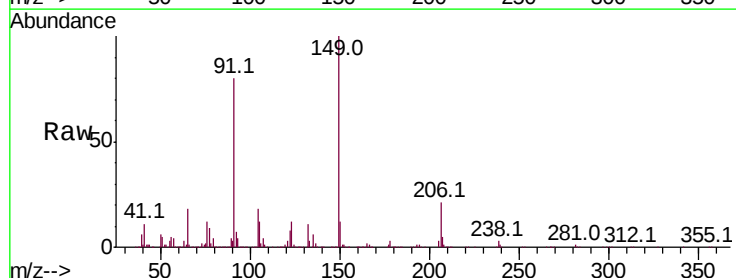
Tgt Ion:149 Resp: 471853

Ion Ratio Lower Upper

149 100

91 79.7 67.6 101.4

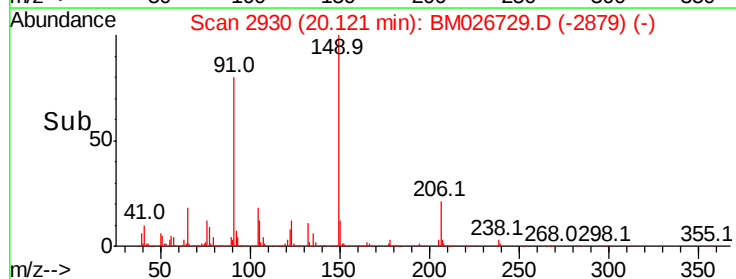
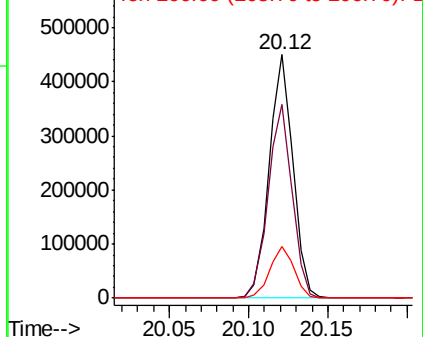
206 21.3 16.7 25.1

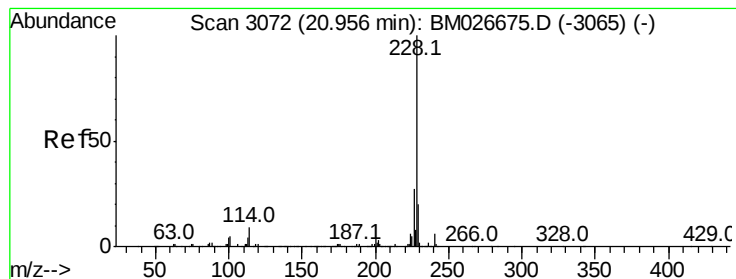


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 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 :

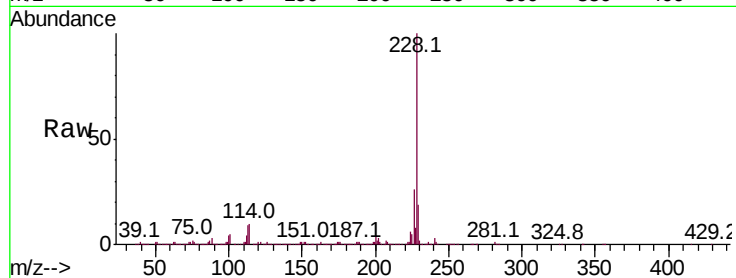
BNA\_M

ClientSampleId :

MUDDY-DRUMMSD

Tot Ion:228 Resp: 1118491

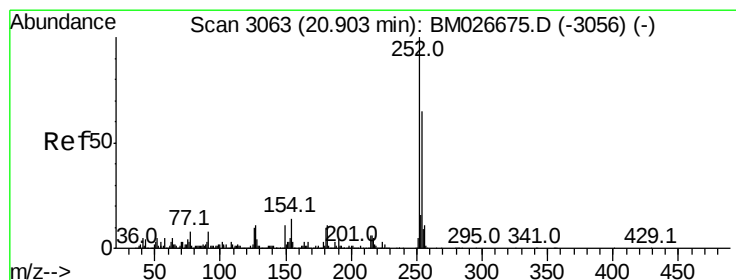
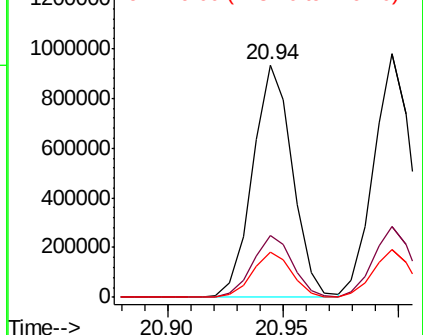
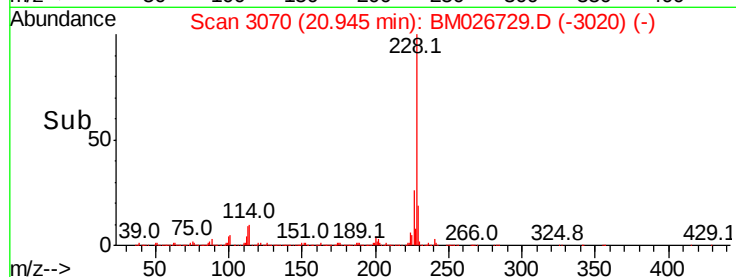
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.4  | 21.4  | 32.2  |
| 229 | 19.4  | 15.6  | 23.4  |



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

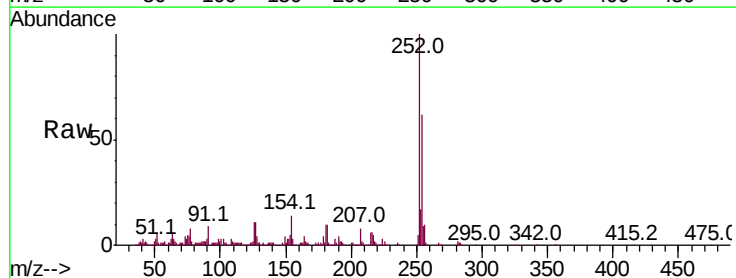
Delta R.T. -0.01 min

Lab File: BM026729.D

Acq: 10 Jul 2020 12:07

Tgt Ion:252 Resp: 261417

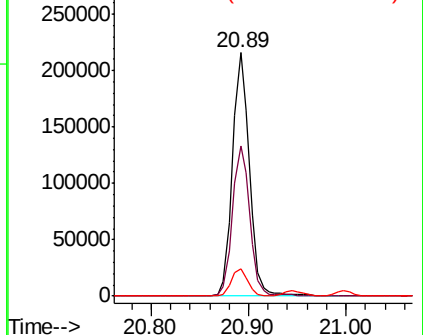
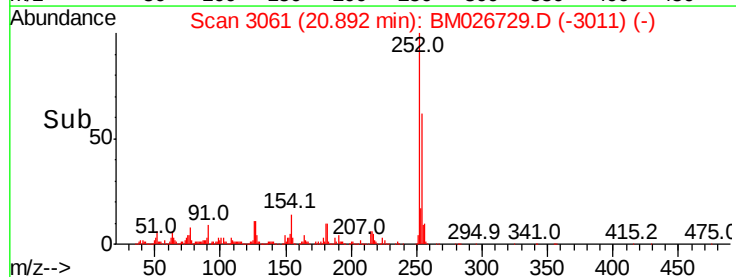
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 61.9  | 51.9  | 77.9  |
| 126 | 11.2  | 8.2   | 12.2  |

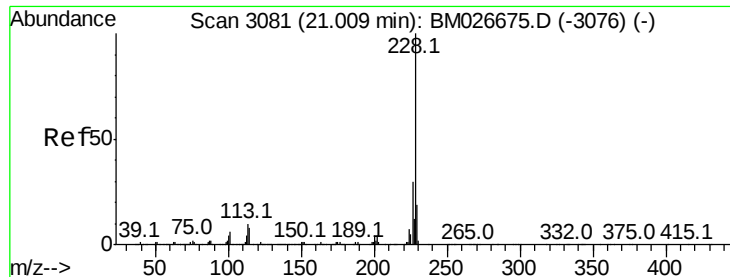


Abundance Ion 252.00 (251.70 to 252.70): E

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

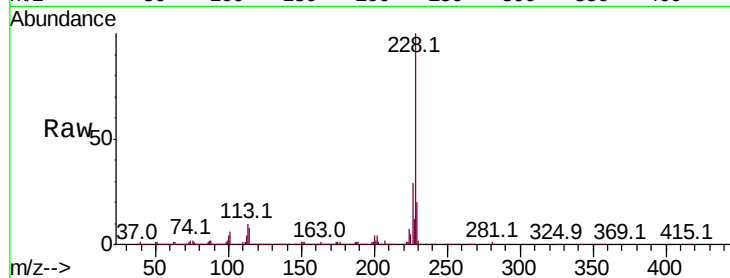
Tot Ion:228 Resp: 1105212

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

228 100

226 29.3 23.7 35.5

229 19.6 15.4 23.0

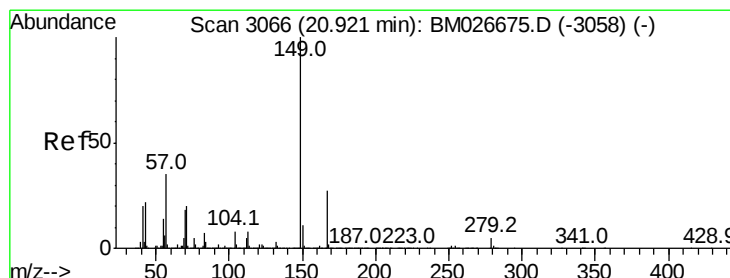
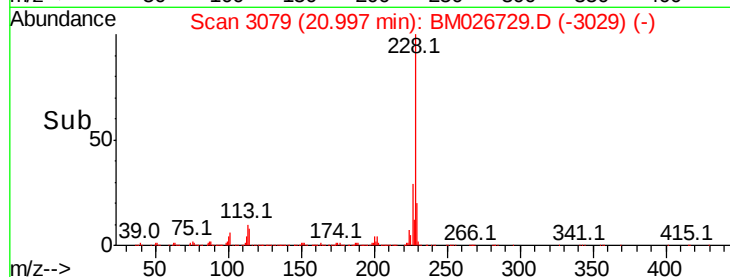
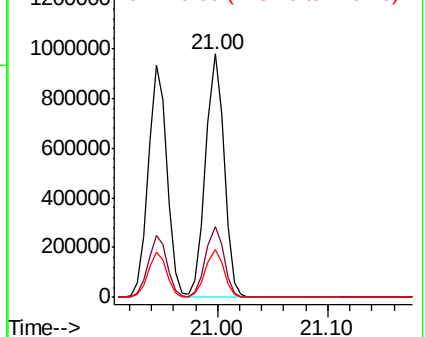


Abundance

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



#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

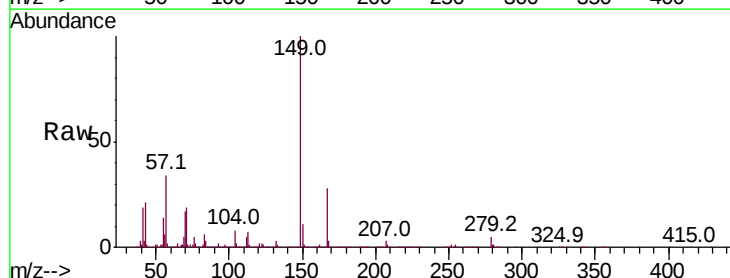
Tgt Ion:149 Resp: 734855

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

149 100

167 27.6 21.9 32.9

279 5.1 3.7 5.5

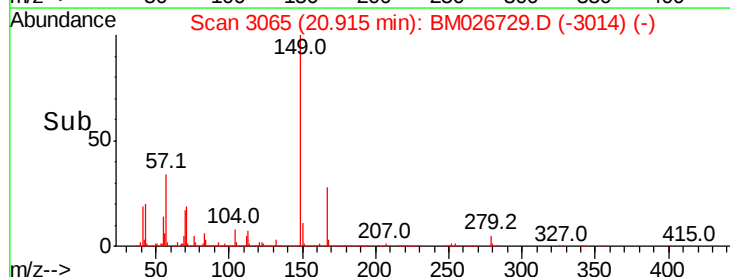
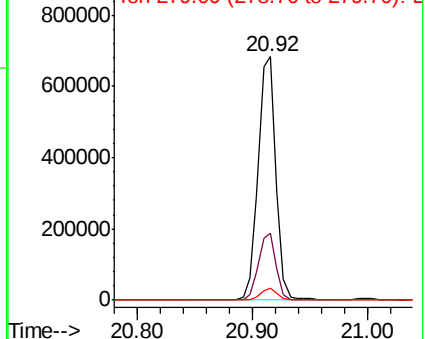


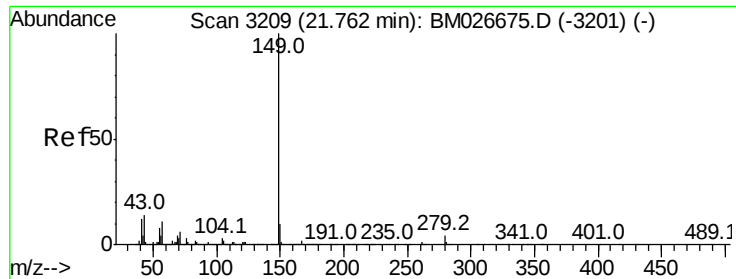
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#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

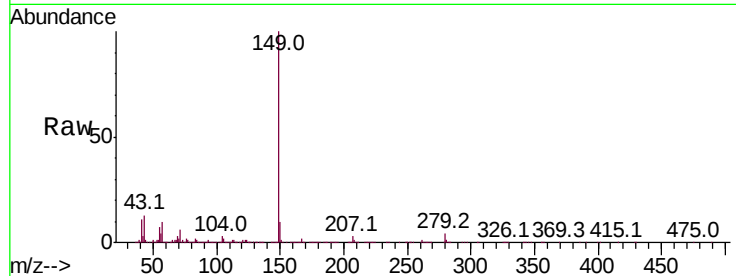
Tot Ion:149 Resp: 1321320

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

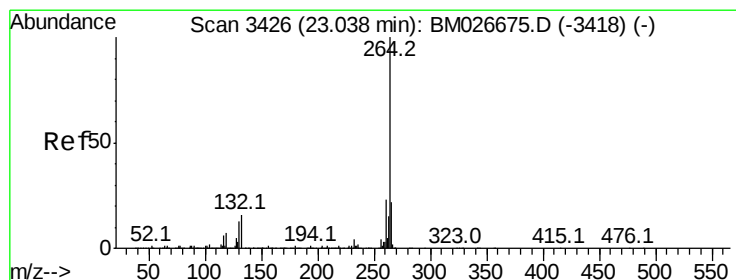
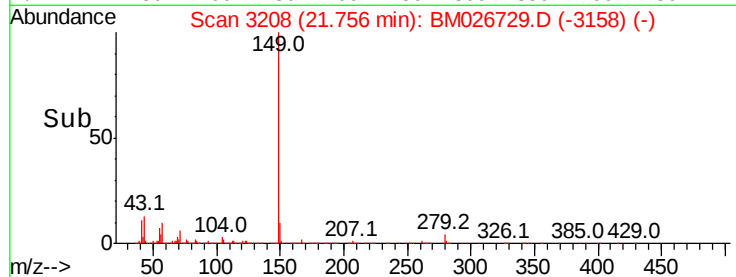
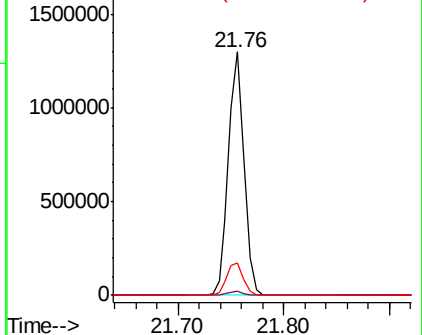
43 14.2 11.2 16.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

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

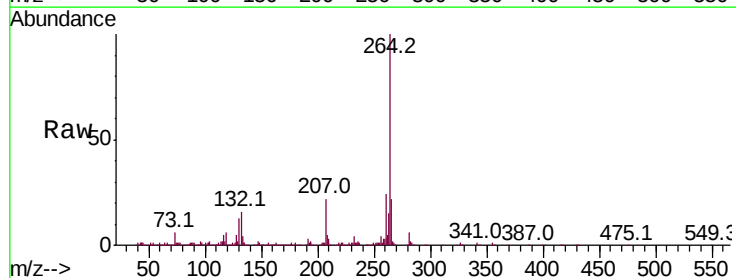
Tgt Ion:264 Resp: 389192

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

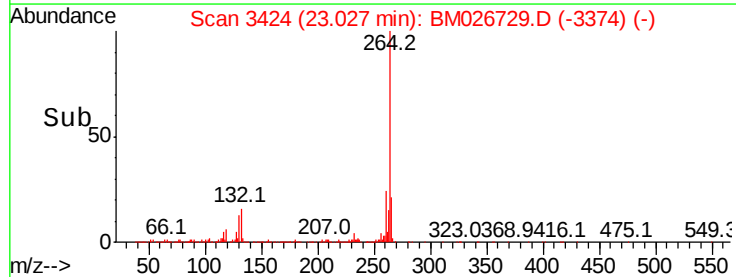
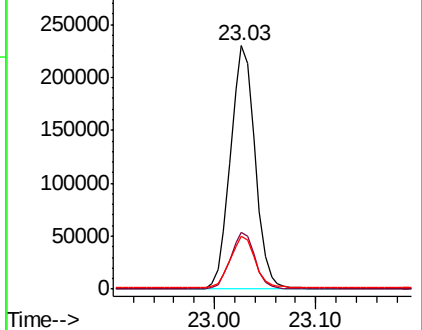
265 21.8 17.6 26.4

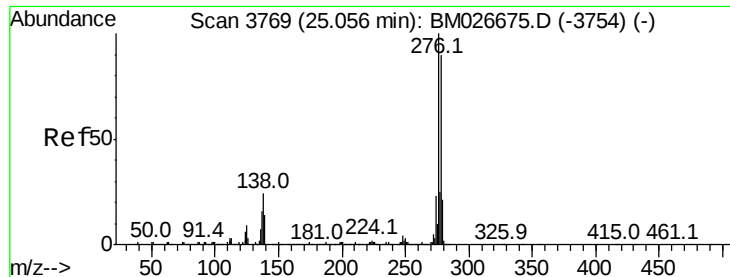


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

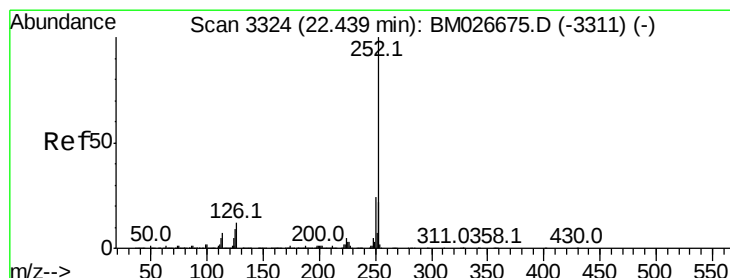
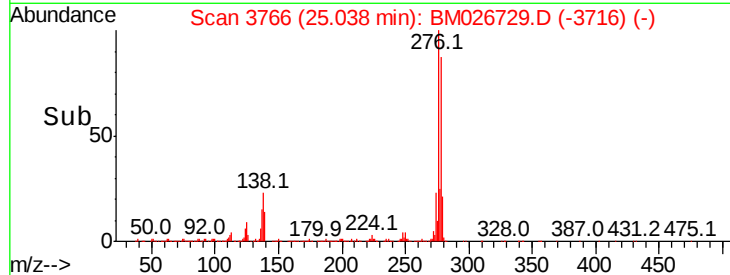
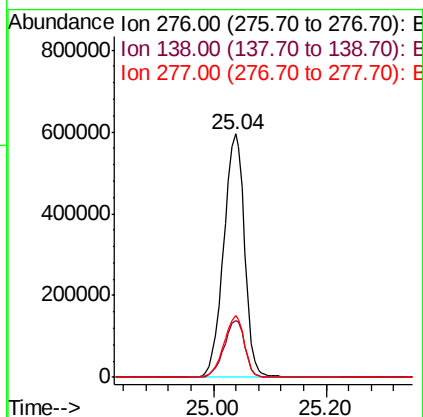
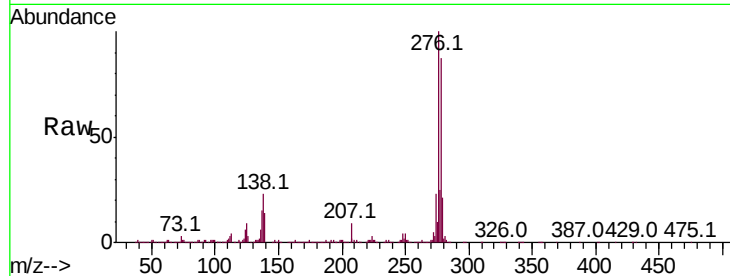




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 55.403 ng  
 RT: 25.04 min Scan# 3766  
 Delta R.T. -0.01 min  
 Lab File: BM026729.D  
 Acq: 10 Jul 2020 12:07

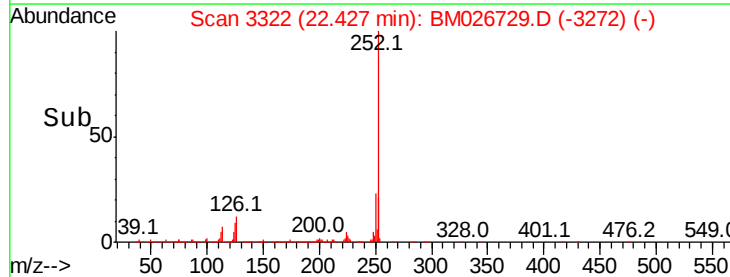
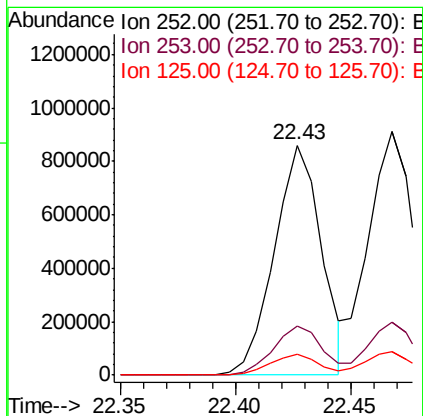
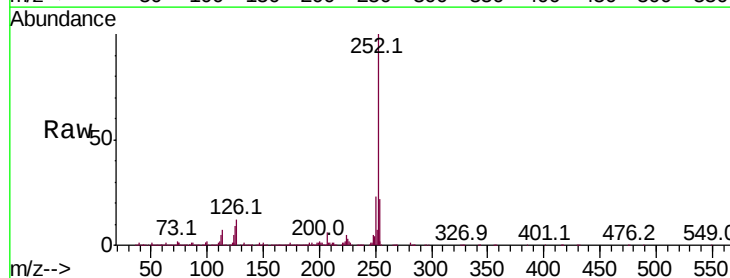
Instrument :  
 BNA\_M  
 ClientSampleId :  
 MUDDY-DRUMMSD

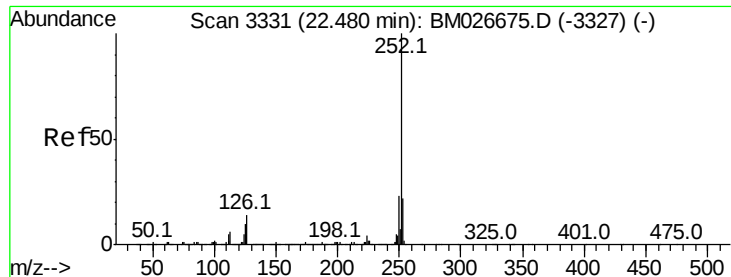
Tot Ion:276 Resp: 1535044  
 Ion Ratio Lower Upper  
 276 100  
 138 23.1 18.4 27.6  
 277 24.9 20.0 30.0



#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 :

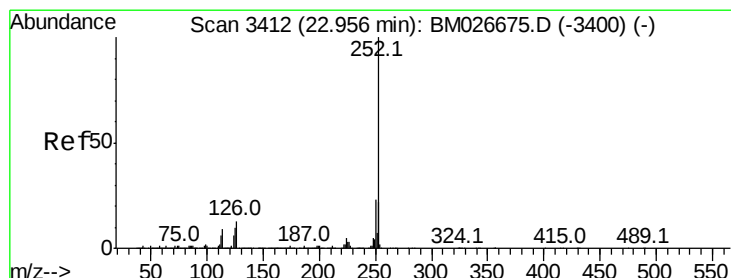
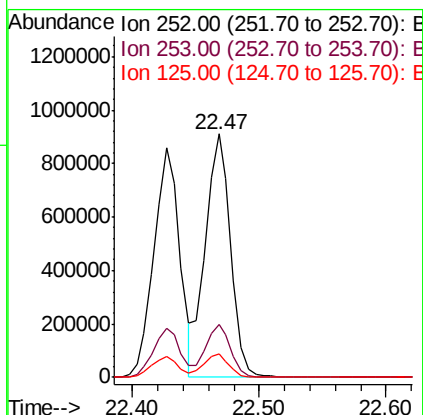
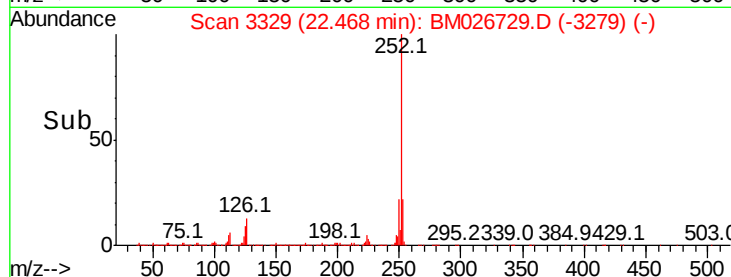
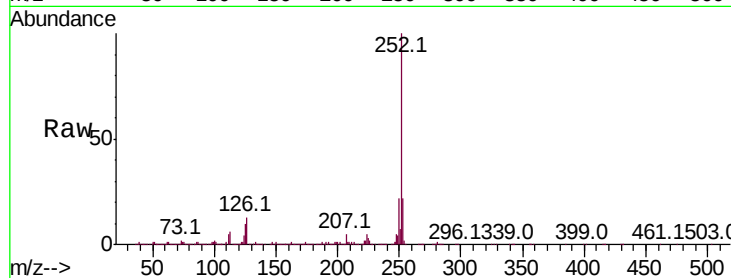
BNA\_M

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  |



#90

Benzo(a)pyrene

Concen: 48.664 ng

RT: 22.94 min Scan# 3410

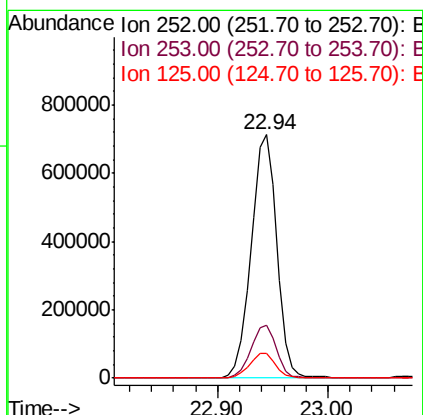
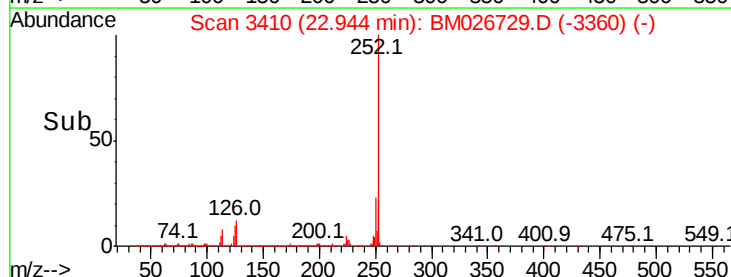
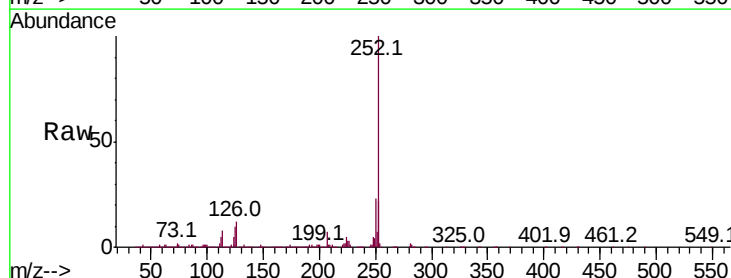
Delta R.T. -0.01 min

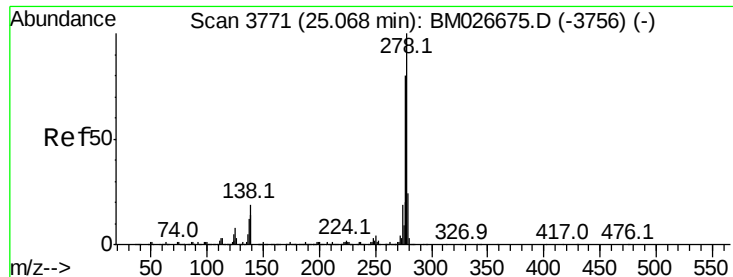
Lab File: BM026729.D

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 :

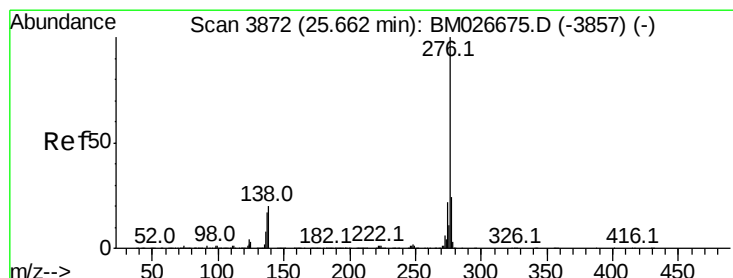
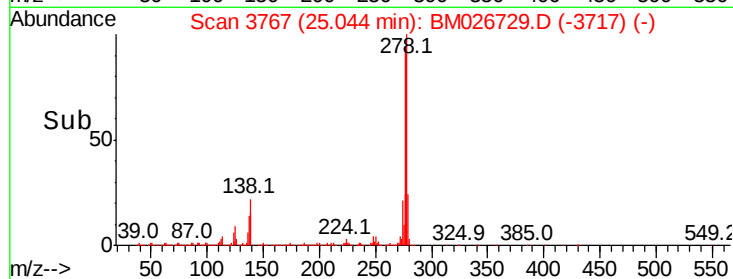
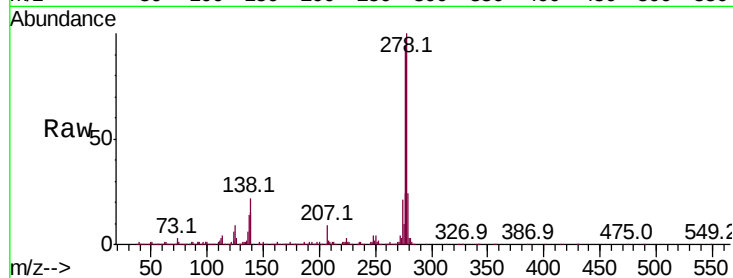
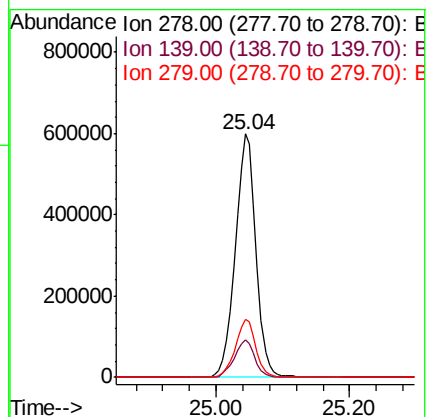
BNA\_M

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  |



#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  |

