

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030921\  
 Data File : BM029056.D  
 Acq On : 09 Mar 2021 21:19  
 Operator : CG/JU  
 Sample : M1603-02MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD

Quant Time: Mar 09 23:40:09 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 09 10:08:02 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 10034    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.457 | 136  | 38191    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.333 | 164  | 20932    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.080 | 188  | 41623    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.256 | 240  | 45293    | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.415 | 264  | 48347    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.240  | 112  | 76892    | 127.02 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.869  | 99   | 98853    | 123.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.845  | 82   | 65491    | 92.52  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.833 | 330  | 27604    | 111.27 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.945 | 172  | 142457   | 90.60  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.709 | 244  | 201961   | 82.33  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.087  | 88   | 9201     | 40.42  | ng    | # 57     |
| 3) Pyridine                   | 3.504  | 79   | 25997    | 43.28  | ng    | # 35     |
| 4) n-Nitrosodimethylamine     | 3.422  | 42   | 19515    | 58.15  | ng    | # 47     |
| 6) Aniline                    | 7.004  | 93   | 28504    | 33.34  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.234  | 128  | 32547    | 45.26  | ng    | 95       |
| 9) Benzaldehyde               | 6.816  | 77   | 8256     | 18.94  | ng    | 84       |
| 10) Phenol                    | 6.892  | 94   | 39944    | 50.27  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.104  | 93   | 28265    | 46.89  | ng    | 88       |
| 12) 1,3-Dichlorobenzene       | 7.698  | 146  | 35940    | 45.83  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 7.698  | 146  | 35940    | 45.19  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.016  | 146  | 34673    | 45.31  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.928  | 79   | 26161    | 45.75  | ng    | # 89     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 47059    | 50.70  | ng    | 70       |
| 17) 2-Methylphenol            | 8.139  | 107  | 25180    | 46.67  | ng    | # 91     |
| 18) Hexachloroethane          | 8.728  | 117  | 13788    | 47.71  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.486  | 70   | 21269    | 45.22  | ng    | # 54     |
| 20) 3+4-Methylphenols         | 8.469  | 107  | 33531    | 46.19  | ng    | 94       |
| 22) Acetophenone              | 8.504  | 105  | 45279    | 48.61  | ng    | # 85     |
| 24) Nitrobenzene              | 8.886  | 77   | 33395    | 46.40  | ng    | # 86     |
| 25) Isophorone                | 9.404  | 82   | 56423    | 45.30  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.592  | 139  | 17243    | 47.43  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 9.663  | 122  | 26272    | 48.16  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 9.892  | 93   | 34768    | 49.13  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 28397    | 45.50  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.328 | 180  | 31408    | 45.89  | ng    | 98       |
| 31) Naphthalene               | 10.510 | 128  | 93395    | 44.36  | ng    | 99       |
| 32) Benzoic acid              | 9.845  | 122  | 19541    | 49.97  | ng    | # 85     |
| 33) 4-Chloroaniline           | 10.639 | 127  | 24391    | 28.82  | ng    | 94       |
| 34) Hexachlorobutadiene       | 10.775 | 225  | 18754    | 45.70  | ng    | 98       |
| 35) Caprolactam               | 11.451 | 113  | 8250     | 48.32  | ng    | # 47     |
| 36) 4-Chloro-3-methylphenol   | 11.786 | 107  | 28972    | 46.06  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.127 | 142  | 65372    | 44.13  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.351 | 142  | 61472    | 43.81  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.504 | 216  | 31700    | 48.44  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.469 | 237  | 30227    | 121.16 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.763 | 196  | 21323    | 46.48  | ng    | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM030921\  
 Data File : BM029056.D  
 Acq On : 09 Mar 2021 21:19  
 Operator : CG/JU  
 Sample : M1603-02MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

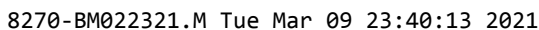
Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD

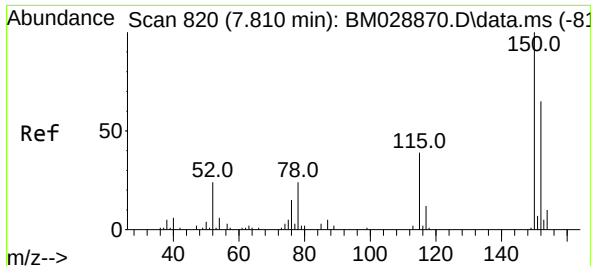
Quant Time: Mar 09 23:40:09 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 09 10:08:02 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.845 | 196  | 22970    | 46.65  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.163 | 154  | 79767    | 47.52  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.204 | 162  | 63268    | 46.17  | ng    | 97       |
| 48) 2-Nitroaniline            | 13.433 | 65   | 18776    | 50.94  | ng    | 88       |
| 49) Acenaphthylene            | 14.057 | 152  | 98541    | 46.82  | ng    | 100      |
| 50) Dimethylphthalate         | 13.810 | 163  | 81949    | 51.66  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.939 | 165  | 16721    | 45.21  | ng    | 94       |
| 52) Acenaphthene              | 14.398 | 154  | 57977    | 44.92  | ng    | 96       |
| 53) 3-Nitroaniline            | 14.268 | 138  | 12722    | 35.30  | ng    | 87       |
| 54) 2,4-Dinitrophenol         | 14.492 | 184  | 18338    | 96.93  | ng    | 96       |
| 55) Dibenzofuran              | 14.739 | 168  | 92646    | 45.72  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.604 | 139  | 27586    | 93.32  | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 14.733 | 165  | 23316    | 48.26  | ng    | # 79     |
| 58) Fluorene                  | 15.392 | 166  | 75084    | 46.23  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.892 | 232  | 18226    | 46.06  | ng    | 92       |
| 60) Diethylphthalate          | 15.174 | 149  | 78757    | 49.35  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.386 | 204  | 36788    | 47.47  | ng    | 92       |
| 62) 4-Nitroaniline            | 15.439 | 138  | 16091    | 46.19  | ng    | 96       |
| 63) Azobenzene                | 15.680 | 77   | 70920    | 48.16  | ng    | 85       |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 12562    | 42.86  | ng    | # 76     |
| 66) n-Nitrosodiphenylamine    | 15.610 | 169  | 63674    | 44.72  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.274 | 248  | 21019    | 45.00  | ng    | # 88     |
| 68) Hexachlorobenzene         | 16.386 | 284  | 23595    | 45.34  | ng    | # 93     |
| 69) Atrazine                  | 16.562 | 200  | 18408    | 41.55  | ng    | 96       |
| 70) Pentachlorophenol         | 16.739 | 266  | 28541    | 102.52 | ng    | 99       |
| 71) Phenanthrene              | 17.127 | 178  | 113880   | 45.95  | ng    | 100      |
| 72) Anthracene                | 17.215 | 178  | 116472   | 47.44  | ng    | 99       |
| 73) Carbazole                 | 17.498 | 167  | 106283   | 45.12  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.045 | 149  | 136671   | 51.02  | ng    | 99       |
| 75) Fluoranthene              | 19.139 | 202  | 134535   | 49.39  | ng    | 98       |
| 77) Benzidine                 | 19.339 | 184  | 58528    | 39.21  | ng    | 99       |
| 78) Pyrene                    | 19.503 | 202  | 141624   | 42.56  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.403 | 149  | 66645    | 46.53  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.244 | 228  | 143686   | 45.71  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.186 | 252  | 38864    | 35.79  | ng    | # 98     |
| 83) Chrysene                  | 21.297 | 228  | 142089   | 46.39  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.174 | 149  | 102754   | 49.85  | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.027 | 149  | 182606   | 52.21  | ng    | # 89     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.574 | 276  | 177580   | 48.67  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 22.774 | 252  | 158904   | 46.53  | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 22.815 | 252  | 144393   | 44.51  | ng    | # 97     |
| 90) Benzo(a)pyrene            | 23.327 | 252  | 140109   | 44.96  | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 25.579 | 278  | 150082   | 47.33  | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 26.232 | 276  | 147238   | 48.09  | ng    | # 91     |

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

Quant Time: Mar 09 23:40:09 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM022321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 09 10:08:02 2021  
Response via : Initial Calibration

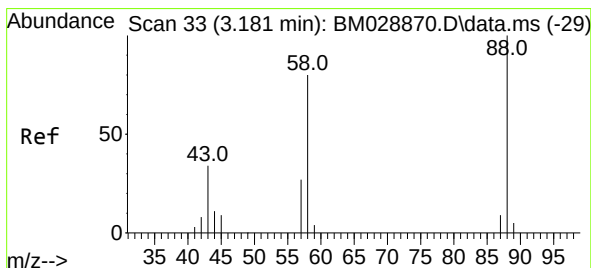
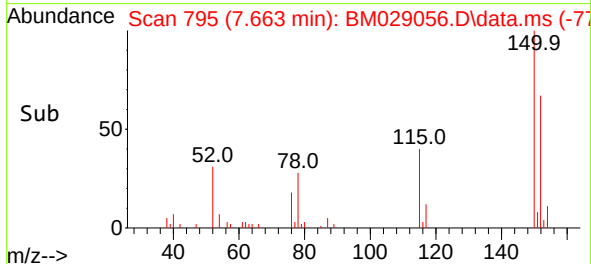
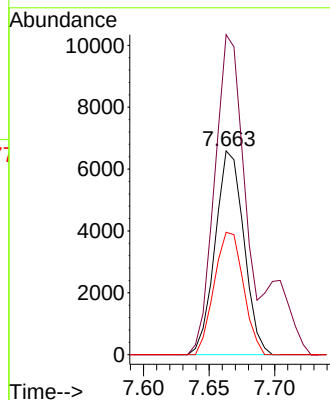
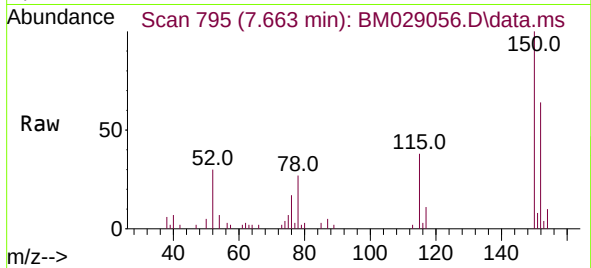




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.663 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

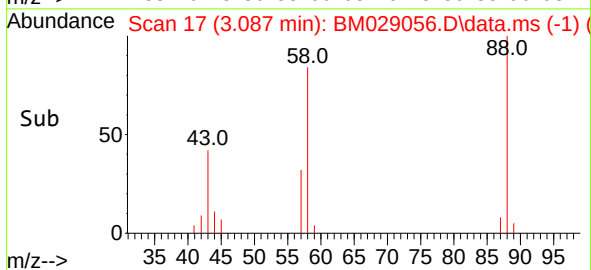
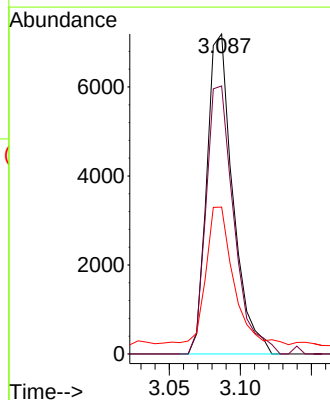
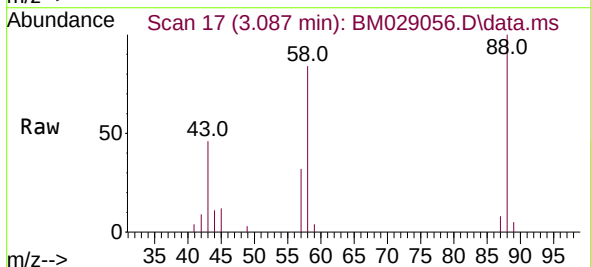
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

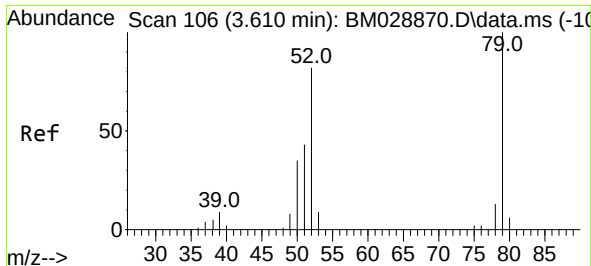
Tgt Ion:152 Resp: 10034  
Ion Ratio Lower Upper  
152 100  
150 157.0 120.6 181.0  
115 60.1 47.2 70.8



#2  
1,4-Dioxane  
Concen: 40.42 ng  
RT: 3.087 min Scan# 17  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 88 Resp: 9201  
Ion Ratio Lower Upper  
88 100  
58 89.4 46.2 69.2#  
43 44.7 19.0 28.6#

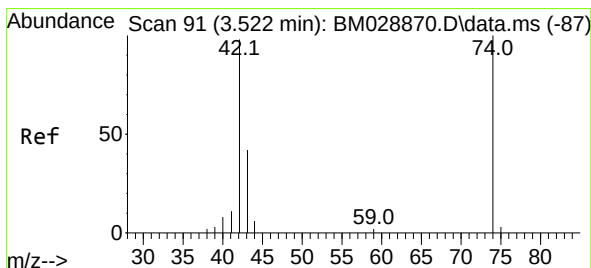
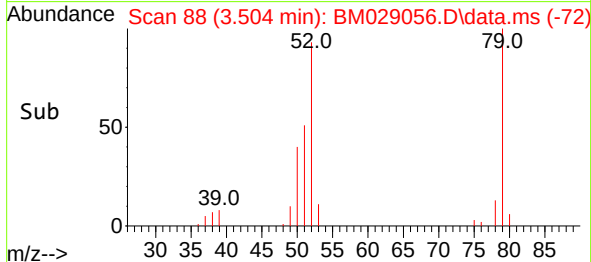
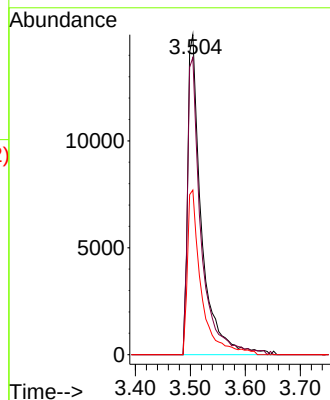
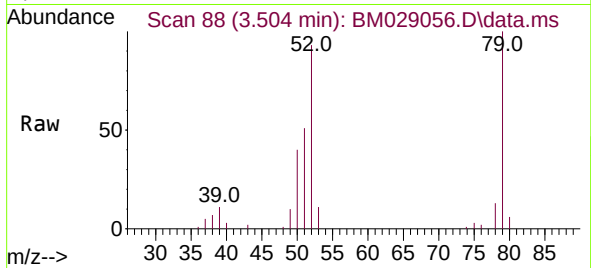




#3  
Pyridine  
Concen: 43.28 ng  
RT: 3.504 min Scan# 88  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

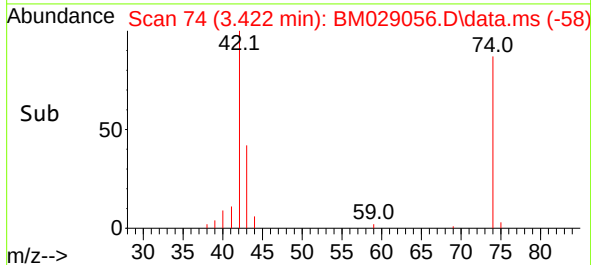
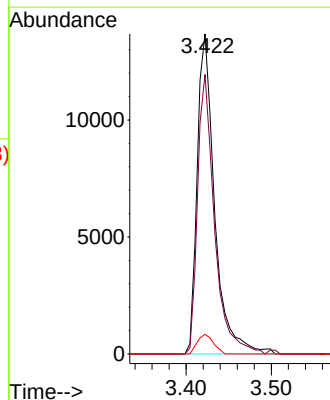
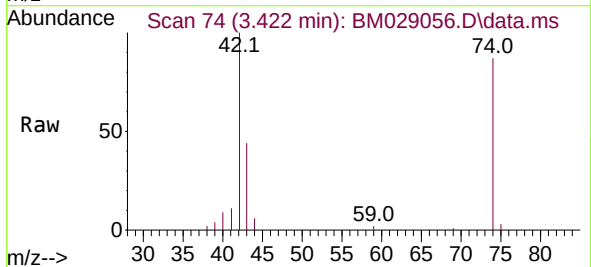
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

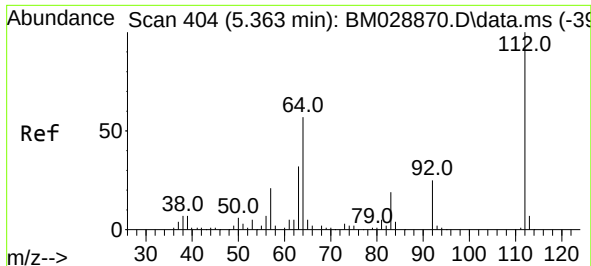
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 92.8  | 35.8  | 53.8# |
| 51      | 51.5  | 21.0  | 31.6# |



#4  
n-Nitrosodimethylamine  
Concen: 58.15 ng  
RT: 3.422 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 87.4  | 127.8 | 191.6# |
| 44      | 6.2   | 4.1   | 6.1#   |

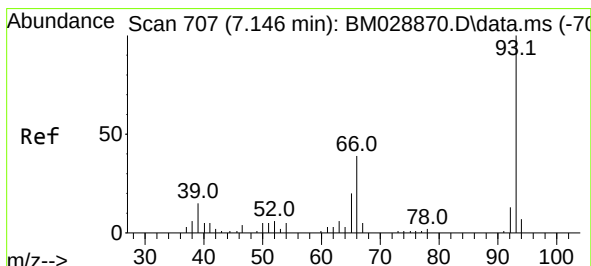
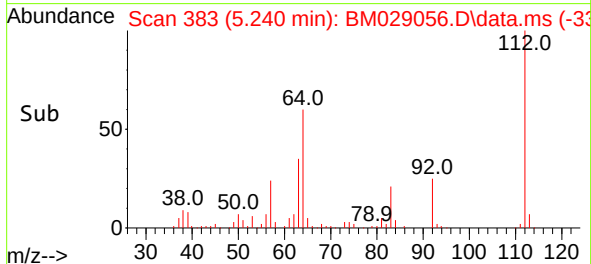
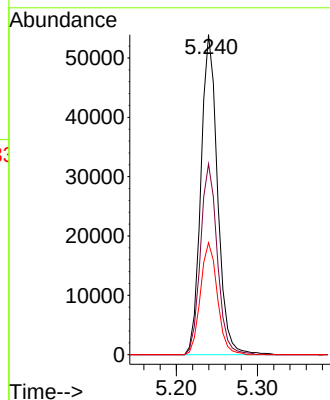
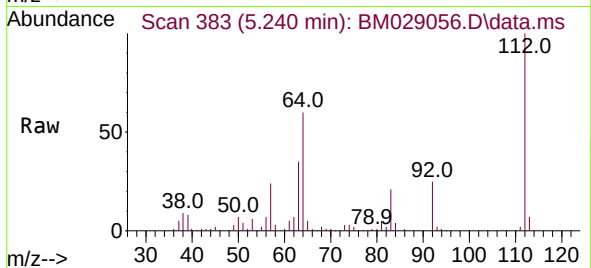




#5  
2-Fluorophenol  
Concen: 127.02 ng  
RT: 5.240 min Scan# 383  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

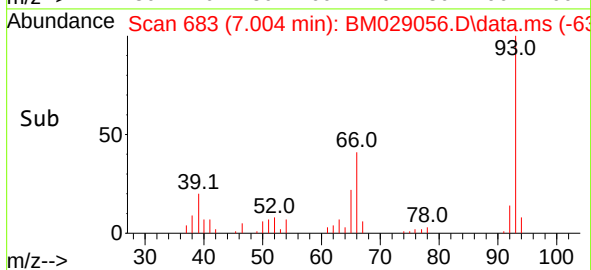
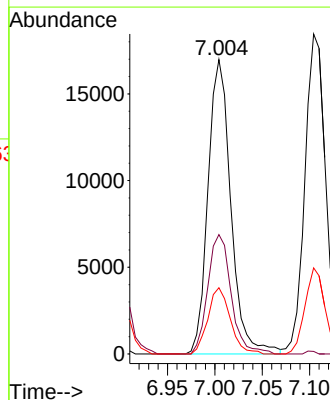
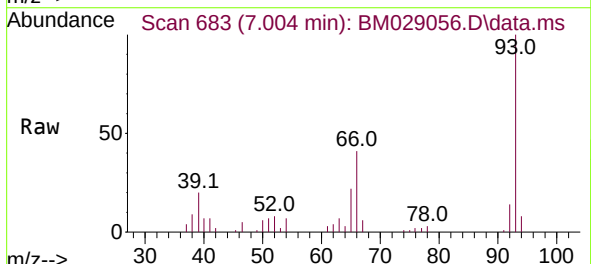
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

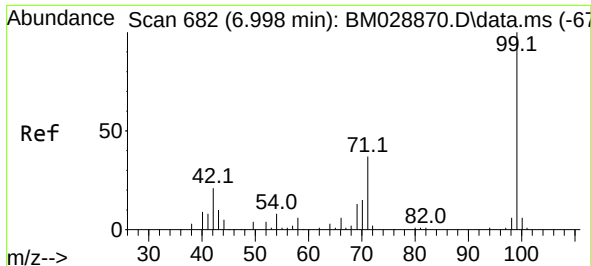
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 76892 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 59.6  | 50.6  | 76.0  |
| 63        | 35.0  | 31.0  | 46.6  |



#6  
Aniline  
Concen: 33.34 ng  
RT: 7.004 min Scan# 683  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 28504 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 40.6  | 33.3  | 49.9  |
| 65        | 22.5  | 17.4  | 26.0  |

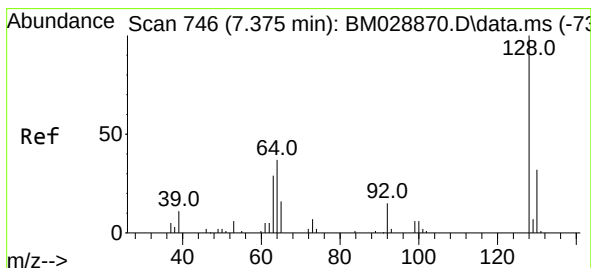
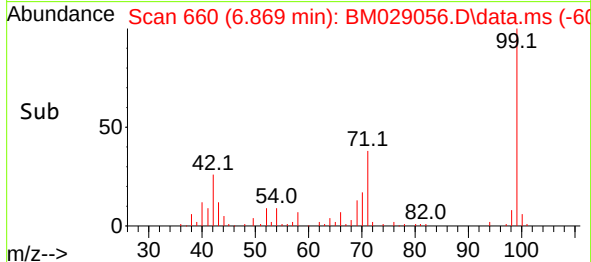
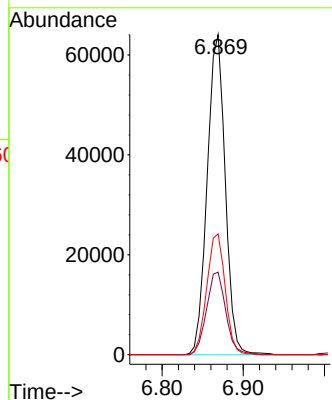
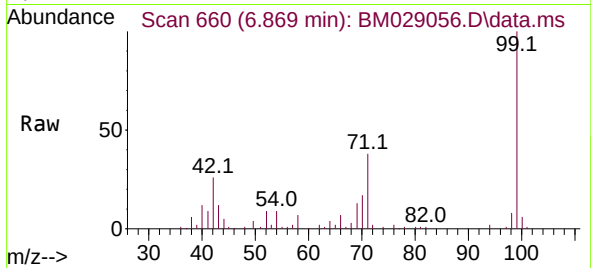




#7  
Phenol-d6  
Concen: 123.63 ng  
RT: 6.869 min Scan# 660  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

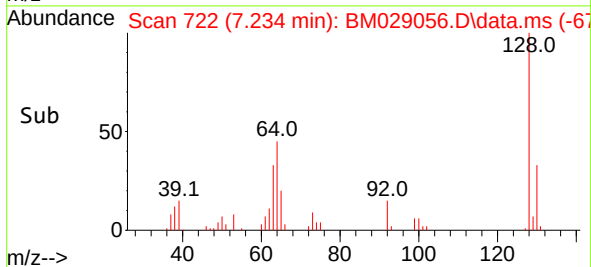
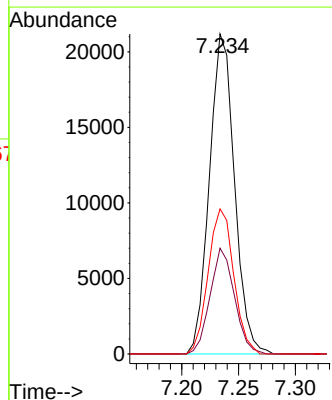
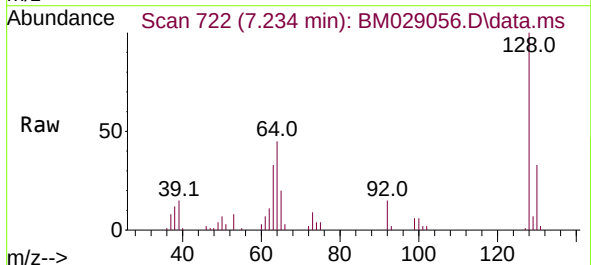
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

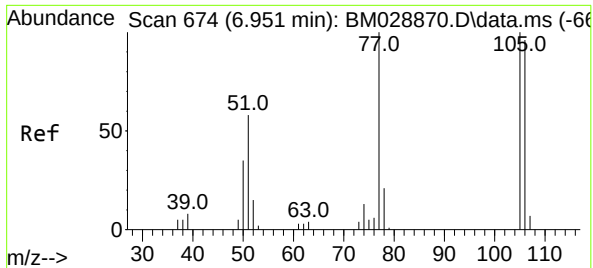
Tgt Ion: 99 Resp: 98853  
Ion Ratio Lower Upper  
99 100  
42 25.8 13.5 20.3#  
71 37.7 39.4 59.0#



#8  
2-Chlorophenol  
Concen: 45.26 ng  
RT: 7.234 min Scan# 722  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:128 Resp: 32547  
Ion Ratio Lower Upper  
128 100  
130 33.0 11.5 51.5  
64 45.3 30.1 70.1

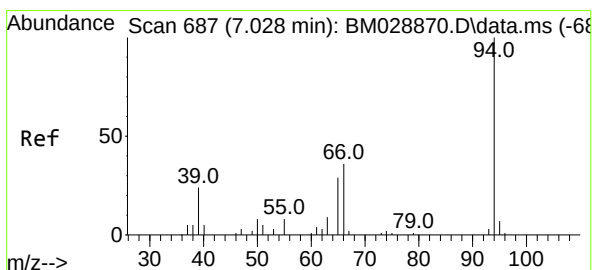
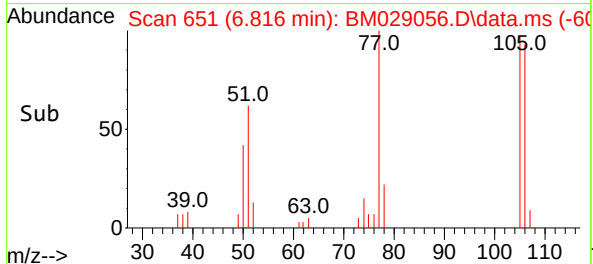
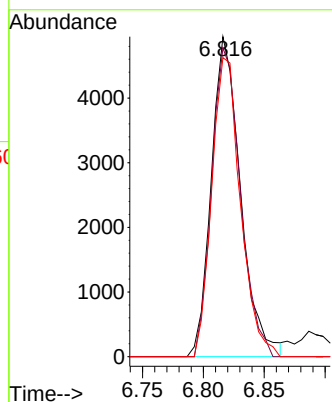
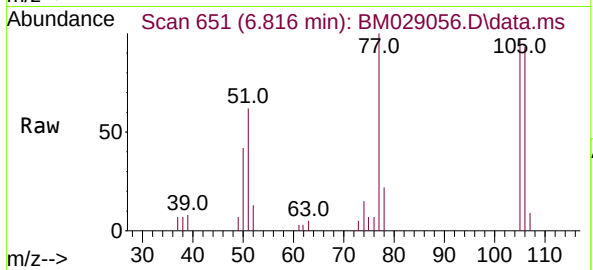




#9  
Benzaldehyde  
Concen: 18.94 ng  
RT: 6.816 min Scan# 651  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

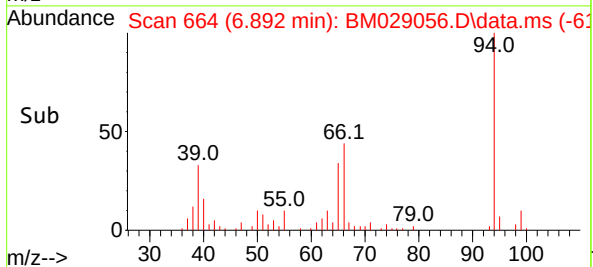
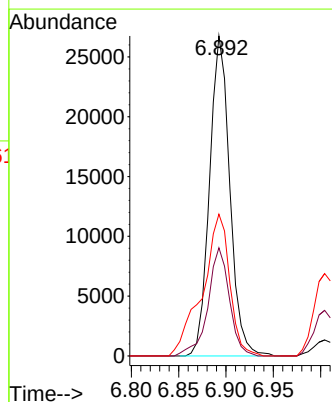
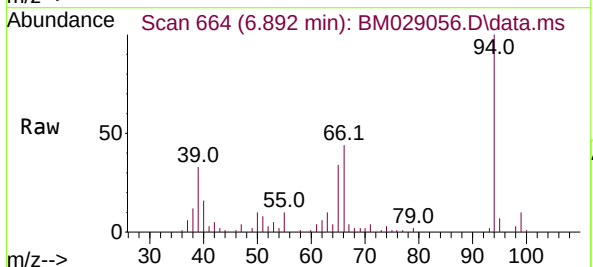
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

Tgt Ion: 77 Resp: 8256  
Ion Ratio Lower Upper  
77 100  
105 96.5 64.7 104.7  
106 93.5 57.5 97.5

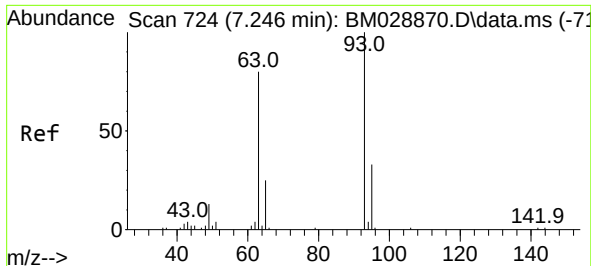


#10  
Phenol  
Concen: 50.27 ng  
RT: 6.892 min Scan# 664  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 94 Resp: 39944  
Ion Ratio Lower Upper  
94 100  
65 33.8 16.4 56.4  
66 44.3 30.2 70.2



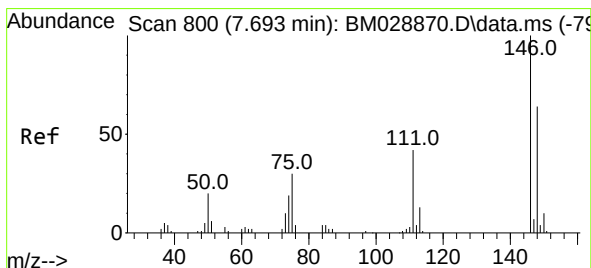
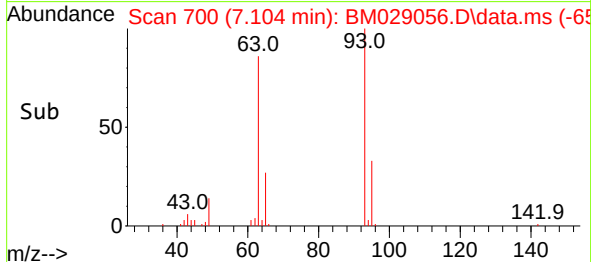
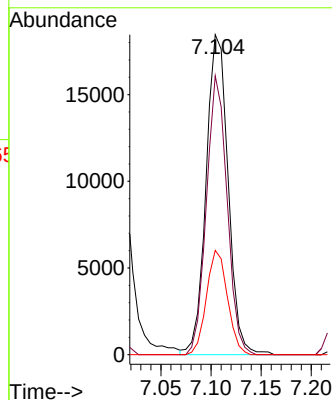
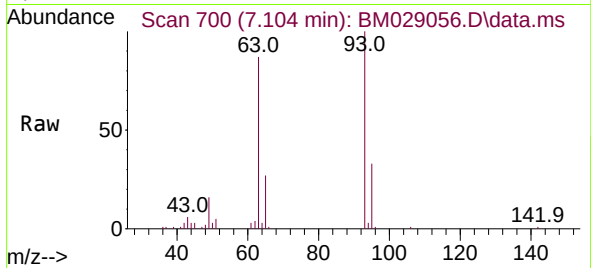




#11  
bis(2-Chloroethyl)ether  
Concen: 46.89 ng  
RT: 7.104 min Scan# 700  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

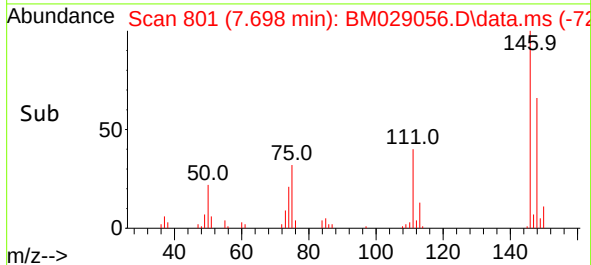
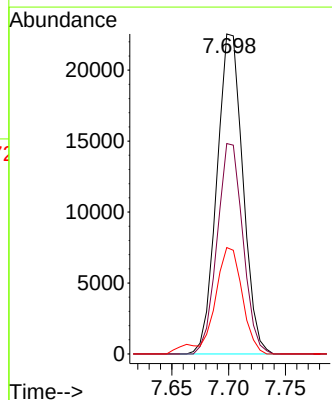
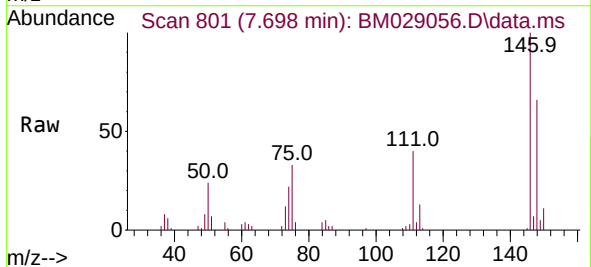
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

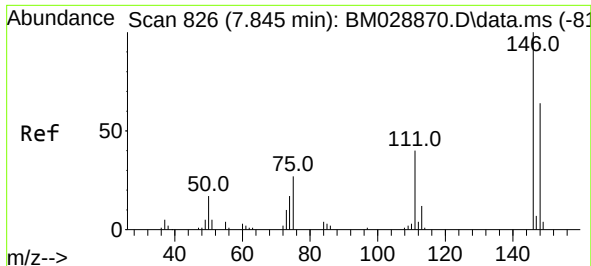
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 28265 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 87.1  | 53.1  | 93.1  |
| 95       | 32.6  | 12.1  | 52.1  |



#12  
1,3-Dichlorobenzene  
Concen: 45.83 ng  
RT: 7.698 min Scan# 801  
Delta R.T. 0.147 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 35940 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 65.8  | 51.6  | 77.4  |
| 75       | 33.2  | 33.0  | 49.6  |

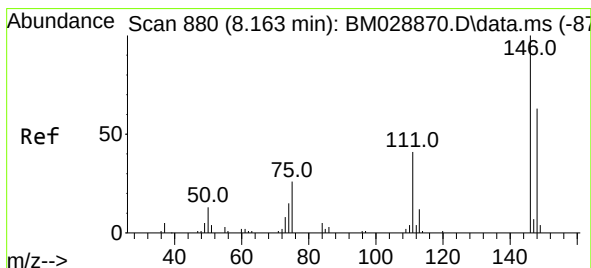
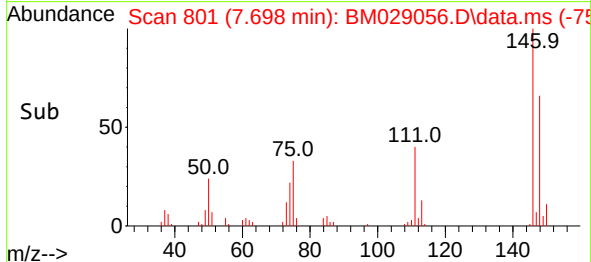
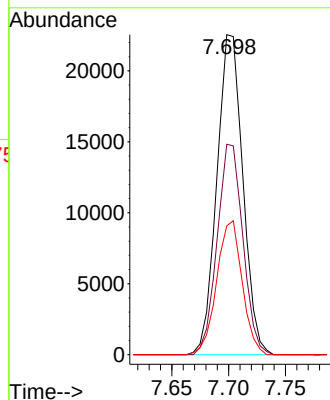
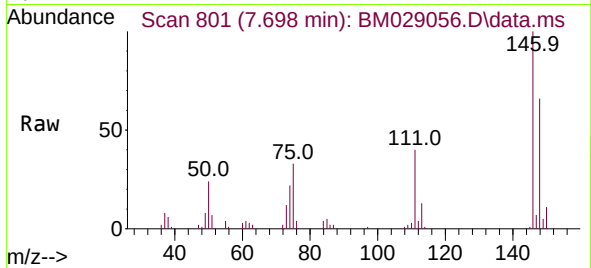




#13  
1,4-Dichlorobenzene  
Concen: 45.19 ng  
RT: 7.698 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

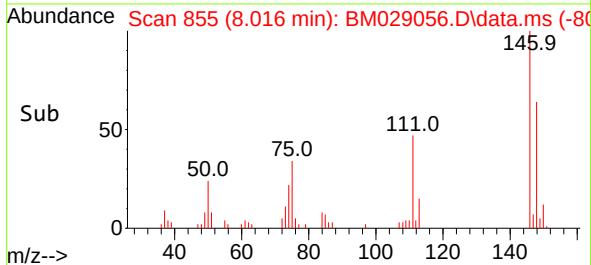
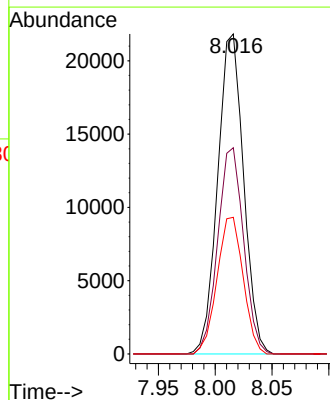
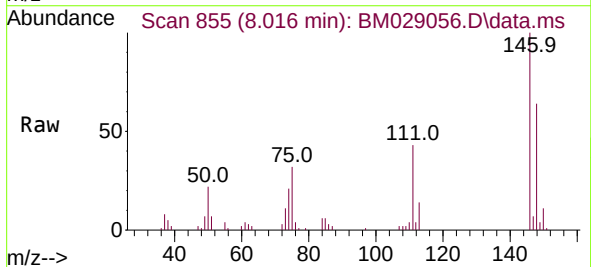
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

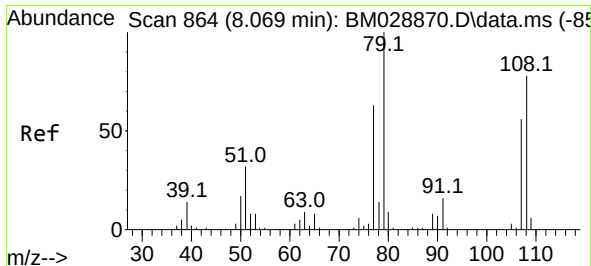
Tgt Ion:146 Resp: 35940  
Ion Ratio Lower Upper  
146 100  
148 65.8 51.4 77.0  
111 40.2 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 45.31 ng  
RT: 8.016 min Scan# 855  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:146 Resp: 34673  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.3 76.9  
111 42.7 35.4 53.0

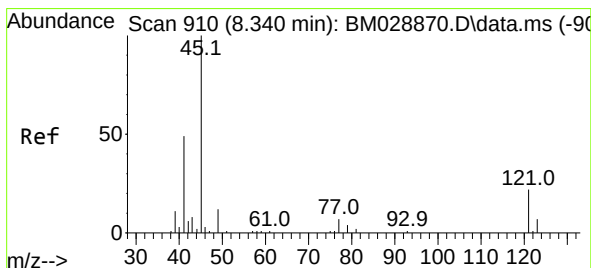
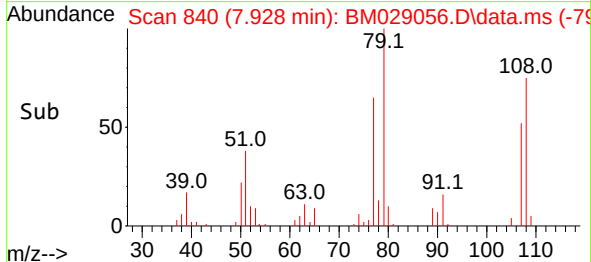
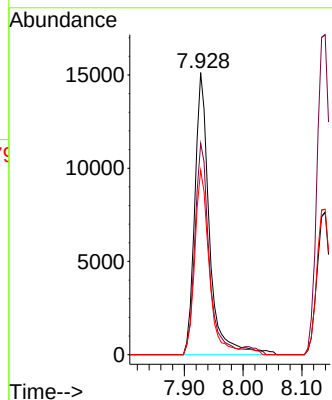
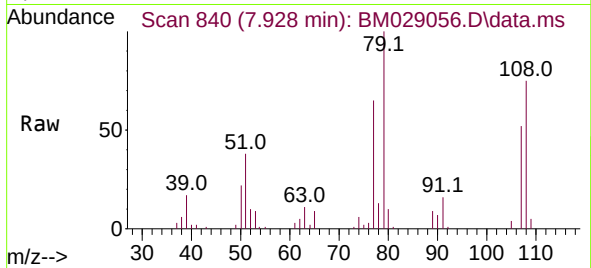




#15  
Benzyl Alcohol  
Concen: 45.75 ng  
RT: 7.928 min Scan# 840  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

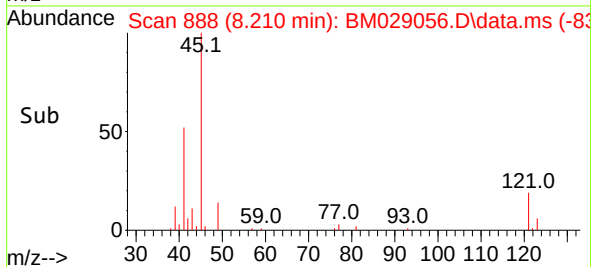
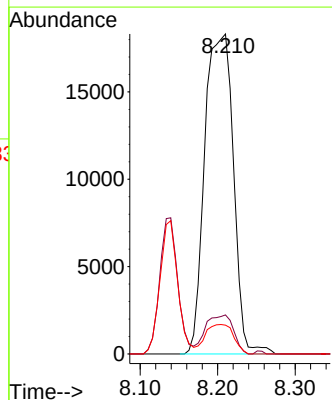
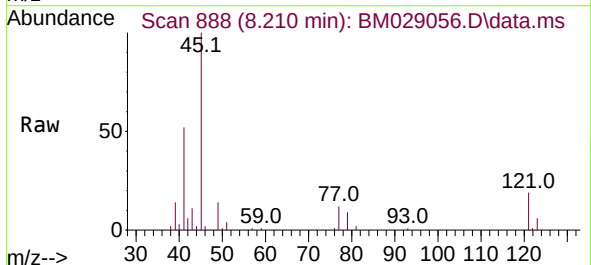
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

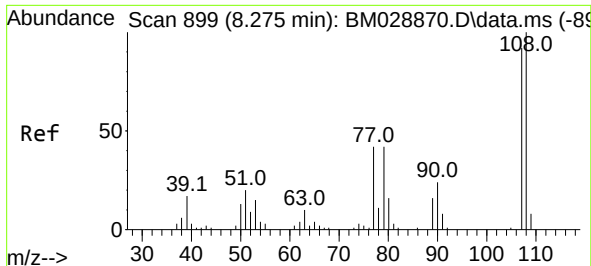
Tgt Ion: 79 Resp: 26161  
Ion Ratio Lower Upper  
79 100  
108 74.9 49.0 73.4#  
77 65.4 55.2 82.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 50.70 ng  
RT: 8.210 min Scan# 888  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 45 Resp: 47059  
Ion Ratio Lower Upper  
45 100  
77 12.2 9.5 49.5  
79 9.0 1.8 41.8

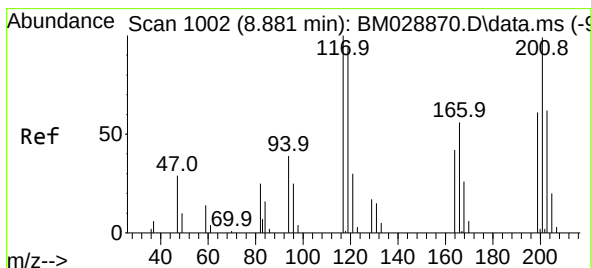
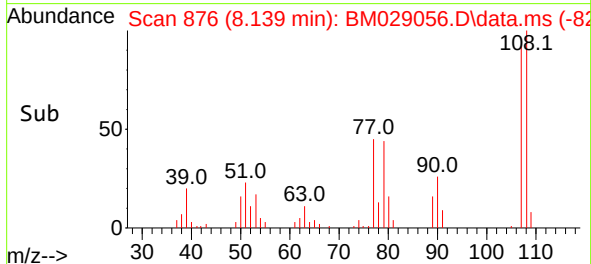
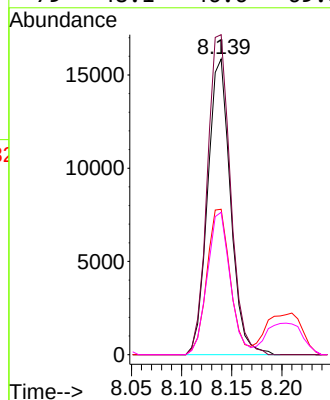
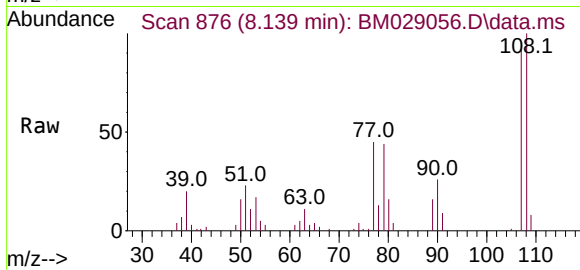




#17  
2-Methylphenol  
Concen: 46.67 ng  
RT: 8.139 min Scan# 876  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

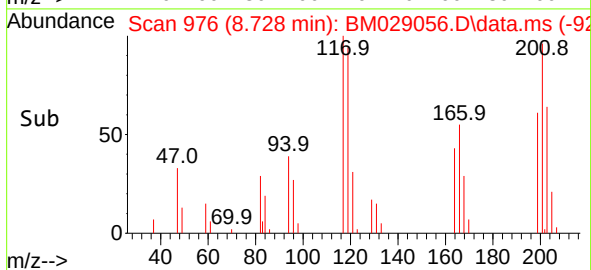
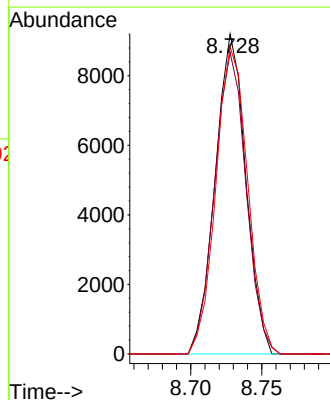
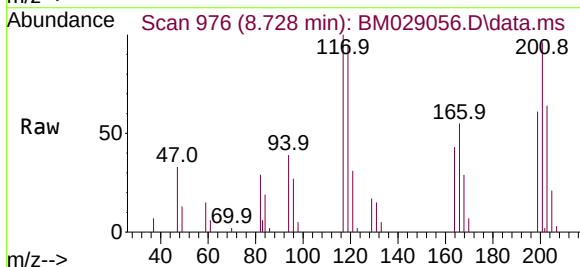
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

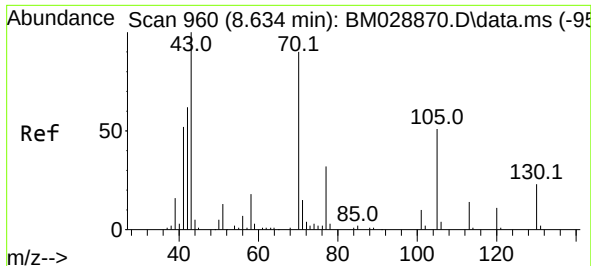
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 25180 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 108.2 | 87.8  | 131.6 |
| 77       | 49.2  | 50.9  | 76.3# |
| 79       | 48.1  | 46.6  | 69.8  |



#18  
Hexachloroethane  
Concen: 47.71 ng  
RT: 8.728 min Scan# 976  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 13788 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.2  | 73.1  | 109.7 |
| 201      | 95.9  | 88.7  | 133.1 |



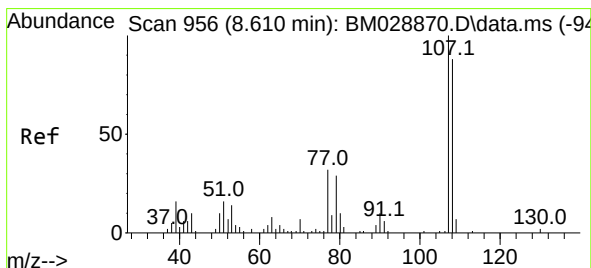
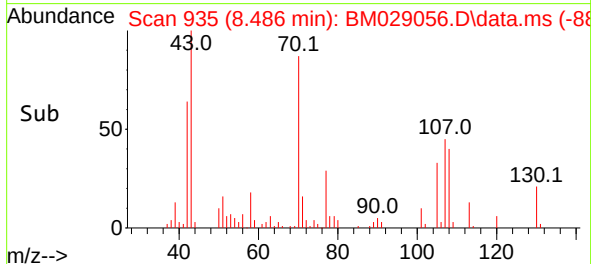
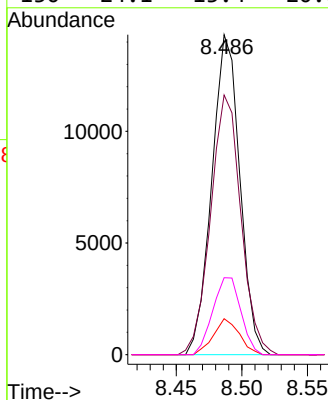
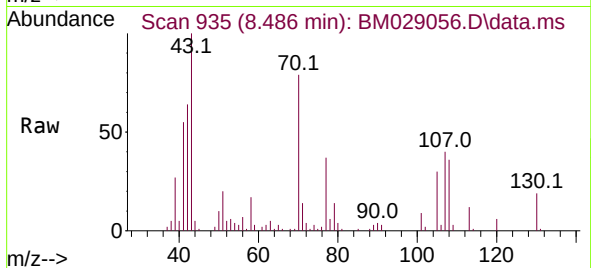


#19

n-Nitroso-di-n-propylamine  
Concen: 45.22 ng  
RT: 8.486 min Scan# 935  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

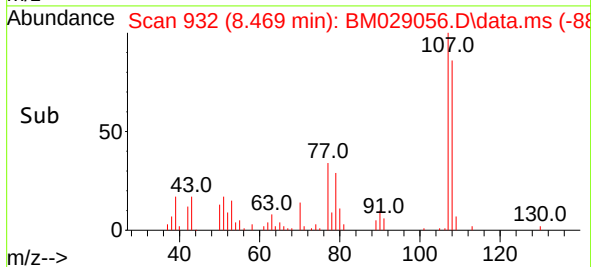
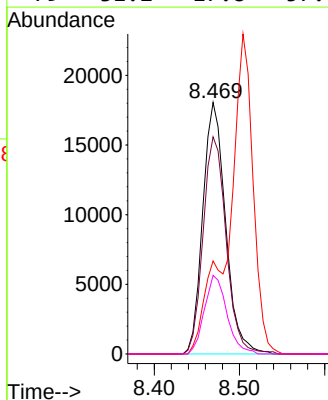
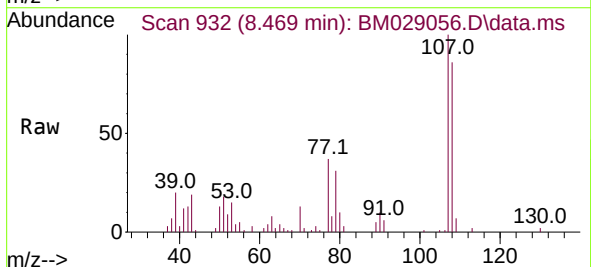
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 21269 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 81.2  | 31.9  | 47.9# |
| 101      | 11.3  | 7.0   | 10.4# |
| 130      | 24.1  | 13.4  | 20.0# |

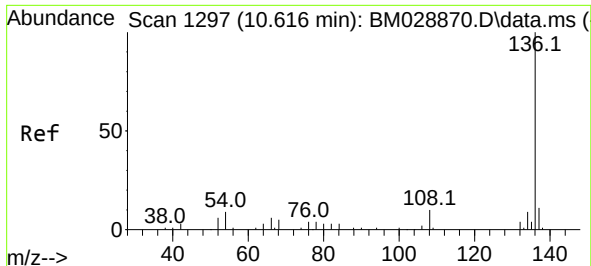


#20

3+4-Methylphenols  
Concen: 46.19 ng  
RT: 8.469 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

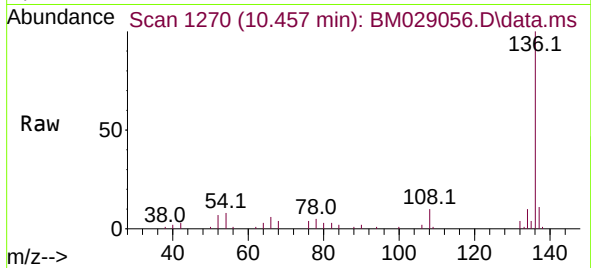
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 33531 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 86.3  | 64.5  | 104.5 |
| 77       | 37.0  | 24.2  | 64.2  |
| 79       | 31.2  | 17.8  | 57.8  |



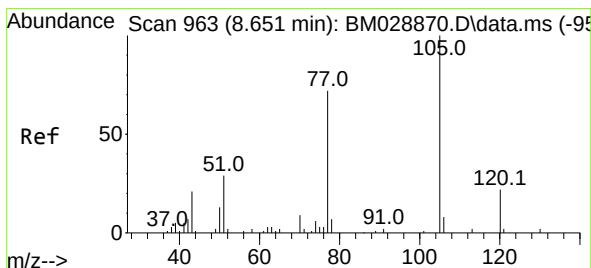
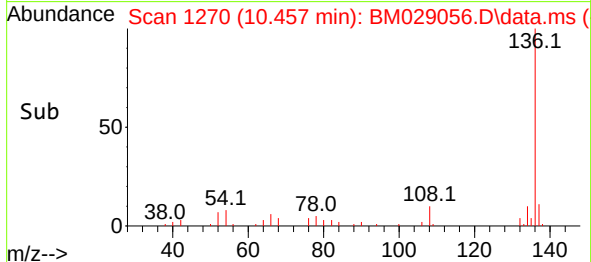
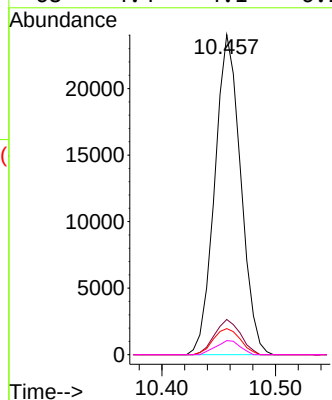


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.457 min Scan# 1270  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

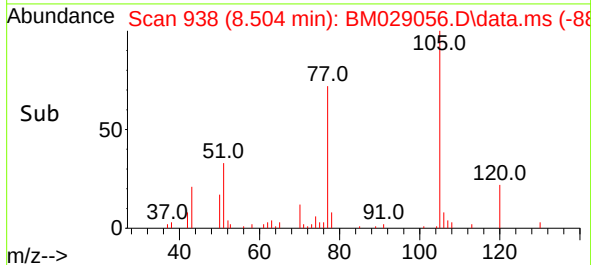
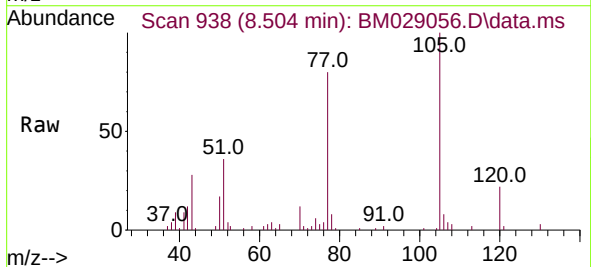
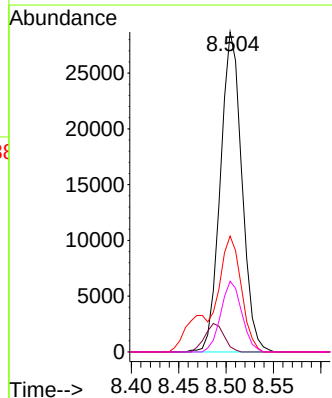


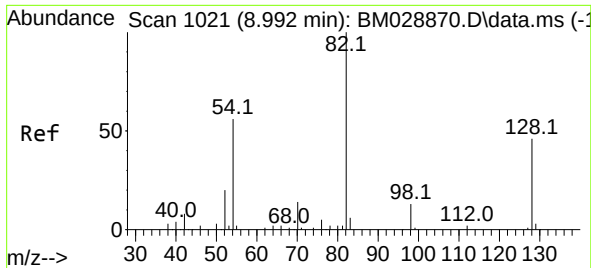
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 136  | Resp: | 38191 |
| Ion Ratio | 100  | Lower | Upper |
| 136       | 100  |       |       |
| 137       | 11.0 | 8.6   | 12.8  |
| 54        | 8.2  | 4.6   | 7.0#  |
| 68        | 4.4  | 4.1   | 6.1   |



#22  
Acetophenone  
Concen: 48.61 ng  
RT: 8.504 min Scan# 938  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 105  | Resp: | 45279 |
| Ion Ratio | 100  | Lower | Upper |
| 105       | 100  |       |       |
| 71        | 1.7  | 7.6   | 11.4# |
| 51        | 36.2 | 18.6  | 28.0# |
| 120       | 22.1 | 17.3  | 25.9  |

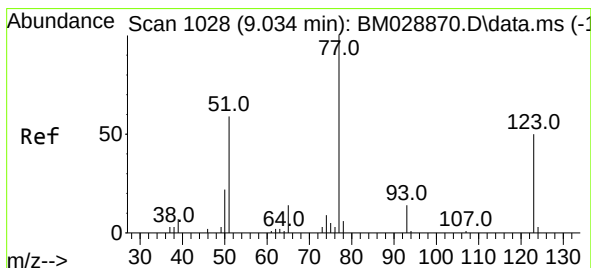
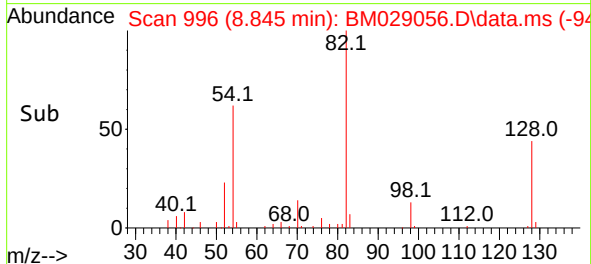
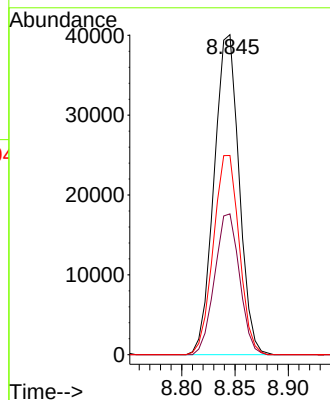
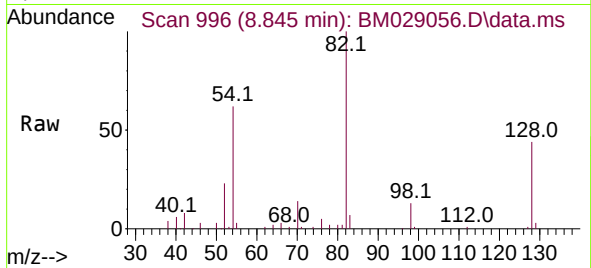




#23  
Nitrobenzene-d5  
Concen: 92.52 ng  
RT: 8.845 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

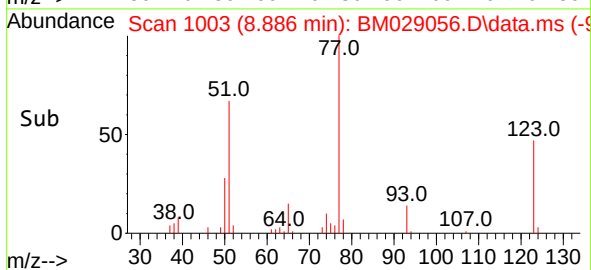
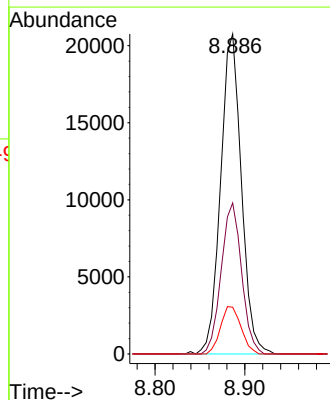
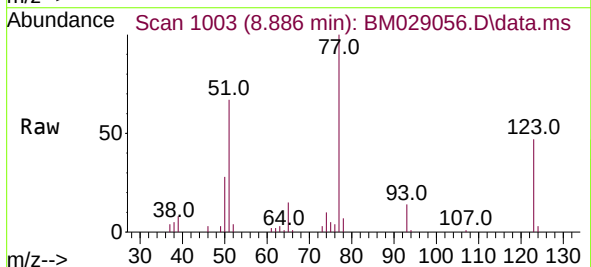
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

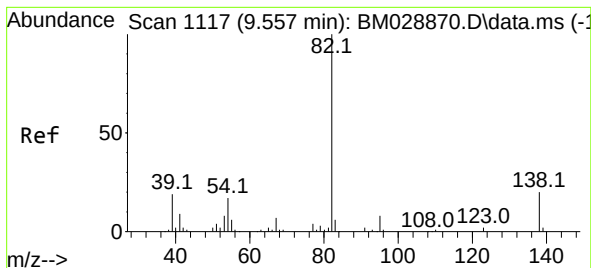
Tgt Ion: 82 Resp: 65491  
Ion Ratio Lower Upper  
82 100  
128 44.0 27.4 41.0#  
54 62.3 31.4 47.0#



#24  
Nitrobenzene  
Concen: 46.40 ng  
RT: 8.886 min Scan# 1003  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 77 Resp: 33395  
Ion Ratio Lower Upper  
77 100  
123 47.2 29.1 43.7#  
65 14.6 11.3 16.9





#25

Isophorone

Concen: 45.30 ng

RT: 9.404 min Scan# 1091

Delta R.T. -0.006 min

Lab File: BM029056.D

Acq: 09 Mar 2021 21:19

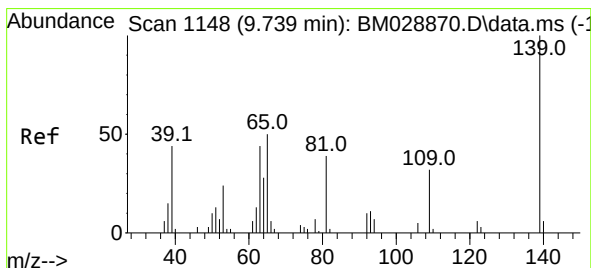
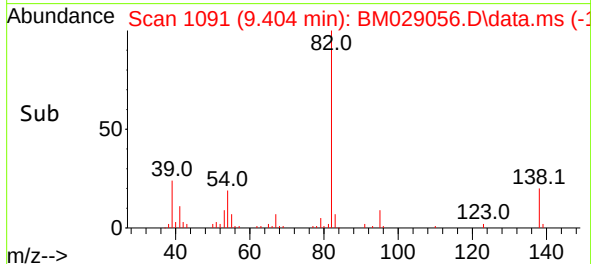
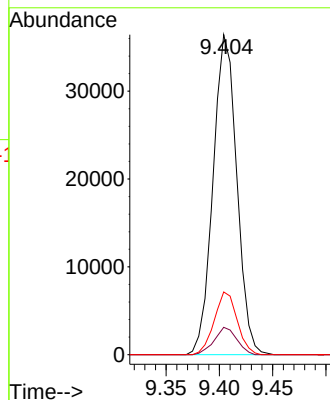
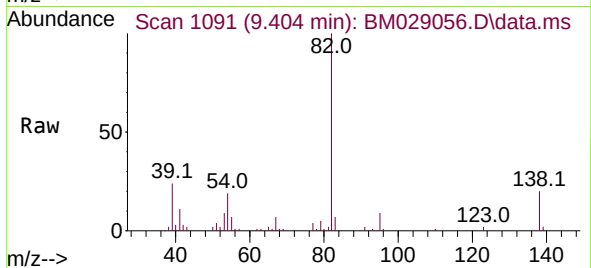
|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 56423 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 95 8.5      | 6.8 10.2    |
| 138 19.6    | 13.1 19.7   |

Instrument :

BNA\_M

ClientSampleId :

32-NORTHMSD



#26

2-Nitrophenol

Concen: 47.43 ng

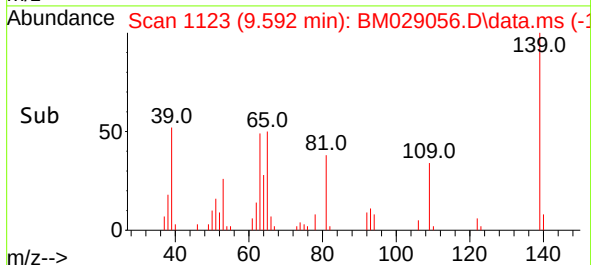
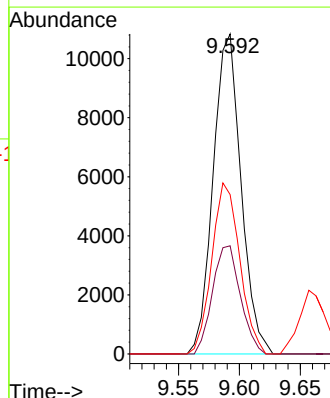
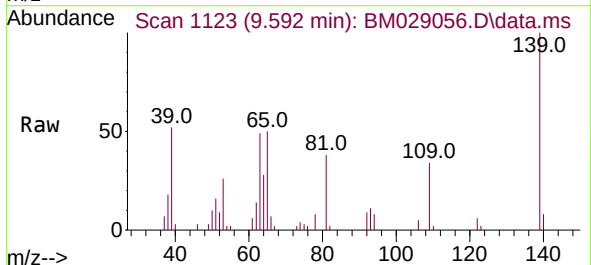
RT: 9.592 min Scan# 1123

Delta R.T. -0.000 min

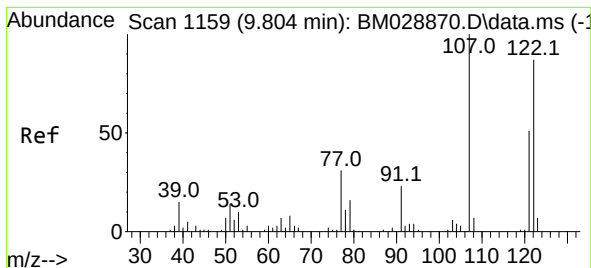
Lab File: BM029056.D

Acq: 09 Mar 2021 21:19

|              |             |
|--------------|-------------|
| Tgt Ion: 139 | Resp: 17243 |
| Ion Ratio    | Lower Upper |
| 139 100      |             |
| 109 33.8     | 33.8 50.8#  |
| 65 49.8      | 51.0 76.6#  |



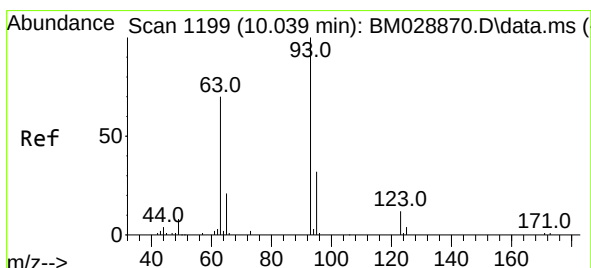
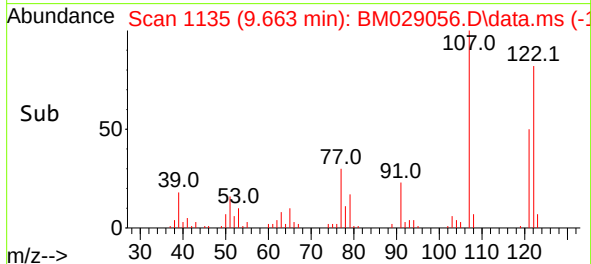
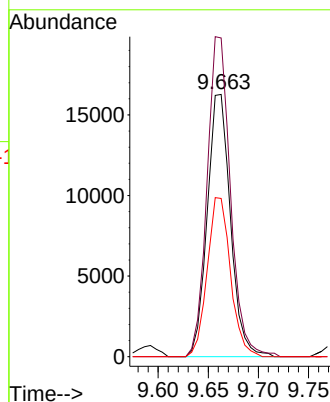
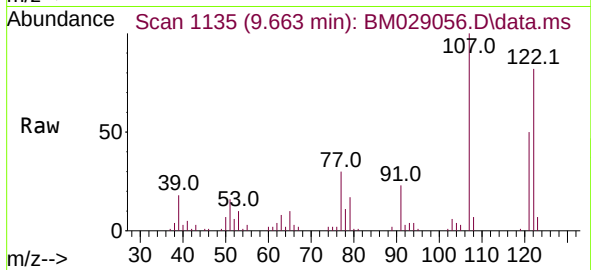




#27  
2,4-Dimethylphenol  
Concen: 48.16 ng  
RT: 9.663 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

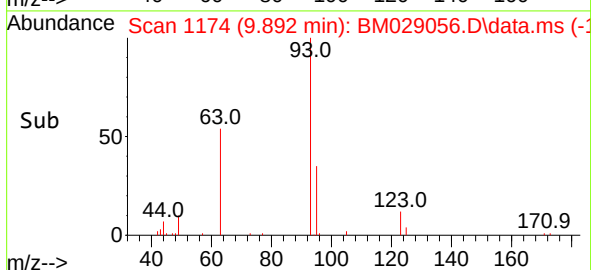
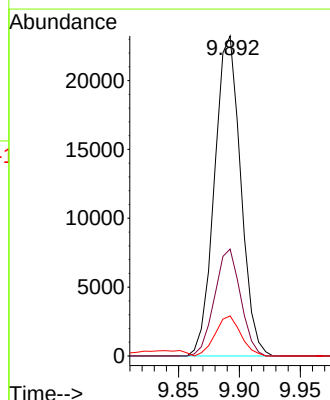
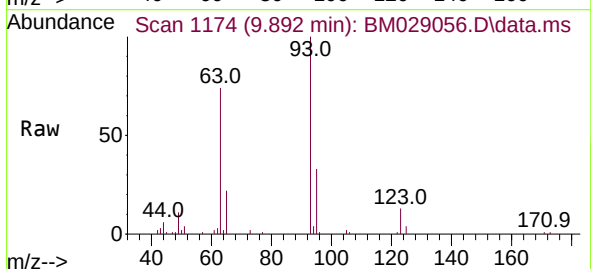
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

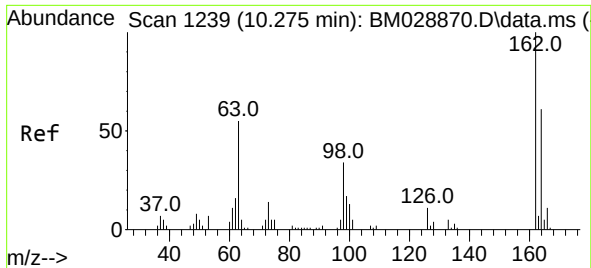
Tgt Ion:122 Resp: 26272  
Ion Ratio Lower Upper  
122 100  
107 121.5 106.6 159.8  
121 60.4 48.8 73.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.13 ng  
RT: 9.892 min Scan# 1174  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 93 Resp: 34768  
Ion Ratio Lower Upper  
93 100  
95 33.4 26.5 39.7  
123 12.5 8.6 12.8

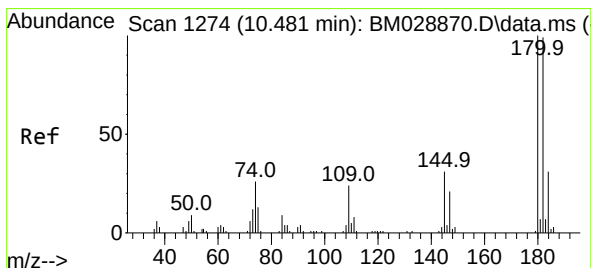
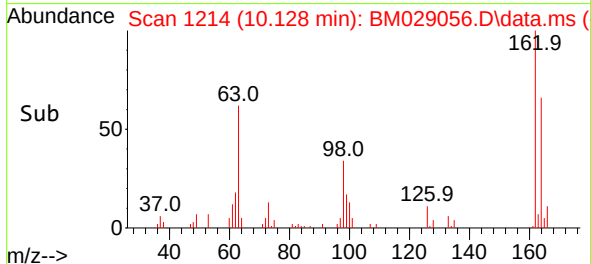
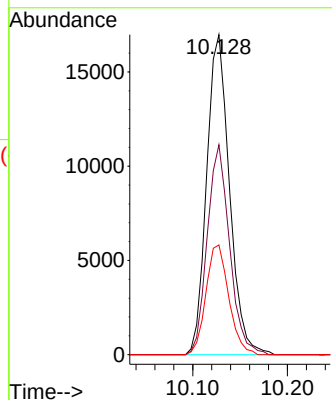
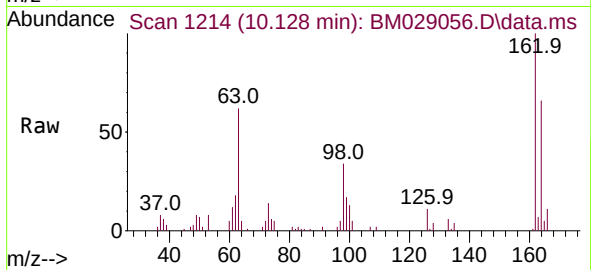




#29  
2,4-Dichlorophenol  
Concen: 45.50 ng  
RT: 10.128 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

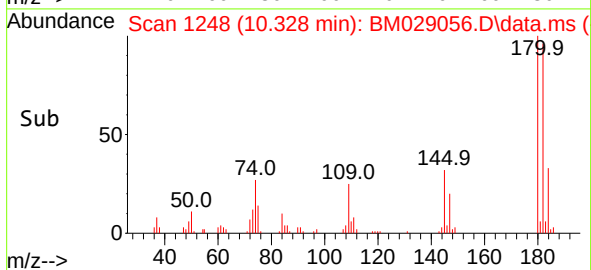
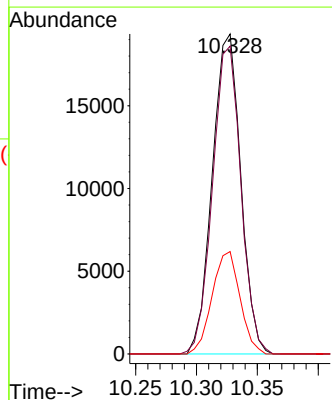
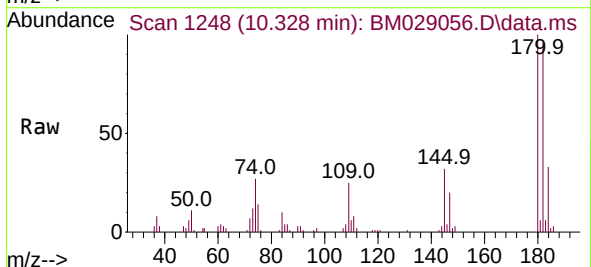
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

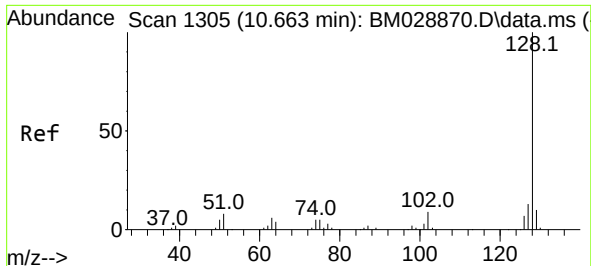
Tgt Ion:162 Resp: 28397  
Ion Ratio Lower Upper  
162 100  
164 65.6 43.2 83.2  
98 34.3 15.7 55.7



#30  
1,2,4-Trichlorobenzene  
Concen: 45.89 ng  
RT: 10.328 min Scan# 1248  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:180 Resp: 31408  
Ion Ratio Lower Upper  
180 100  
182 96.2 77.7 116.5  
145 32.0 23.4 35.0

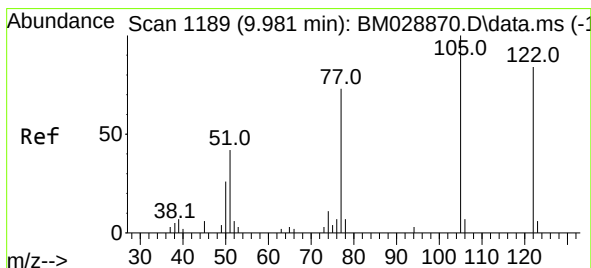
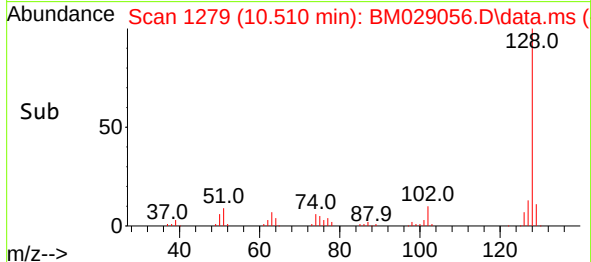
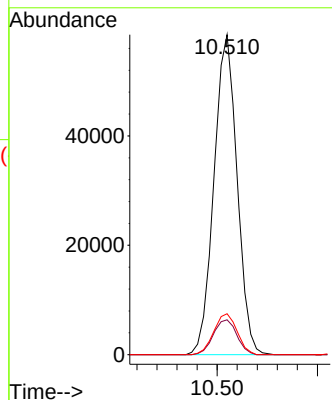
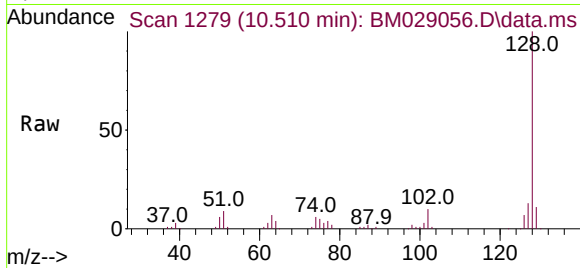




#31  
Naphthalene  
Concen: 44.36 ng  
RT: 10.510 min Scan# 1279  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

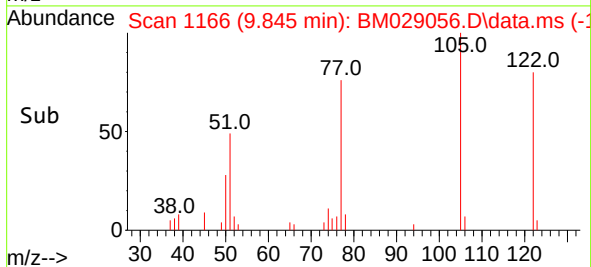
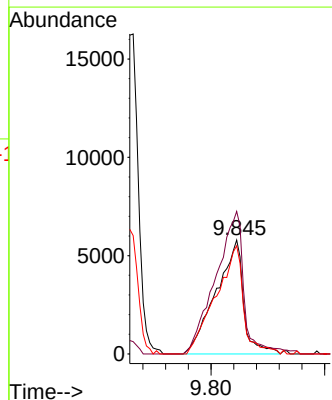
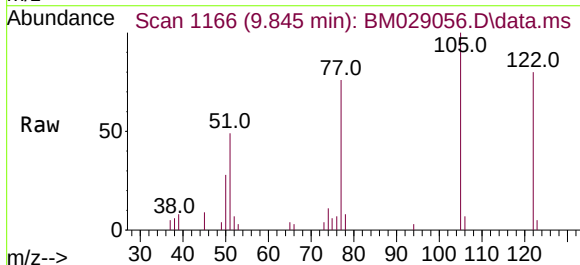
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

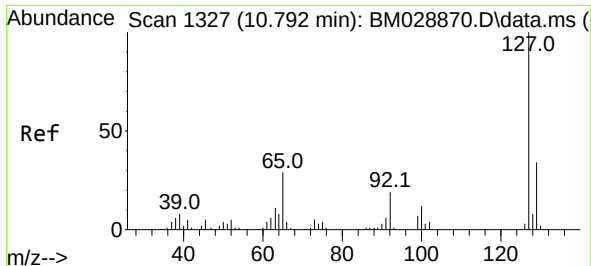
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 93395     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 129         | 10.9  | 9.0 13.4  |
| 127         | 12.8  | 10.6 15.8 |



#32  
Benzoic acid  
Concen: 49.97 ng  
RT: 9.845 min Scan# 1166  
Delta R.T. 0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:122 | Resp: | 19541       |
| Ion Ratio   | Lower | Upper       |
| 122         | 100   |             |
| 105         | 125.1 | 114.0 154.0 |
| 77          | 94.9  | 101.8 141.8 |

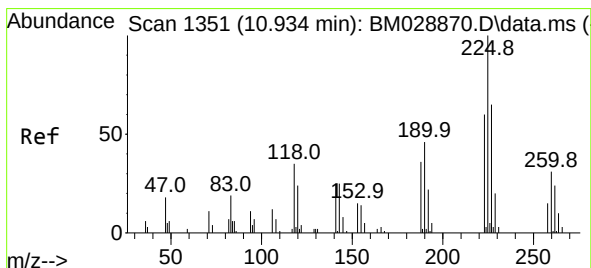
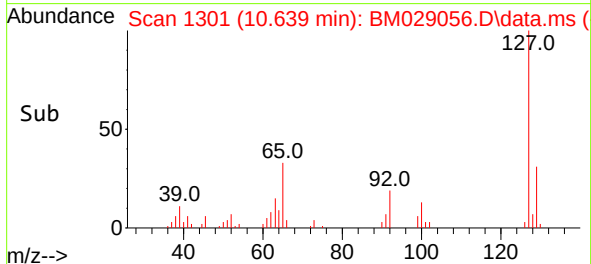
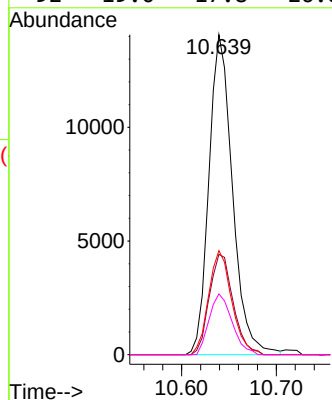
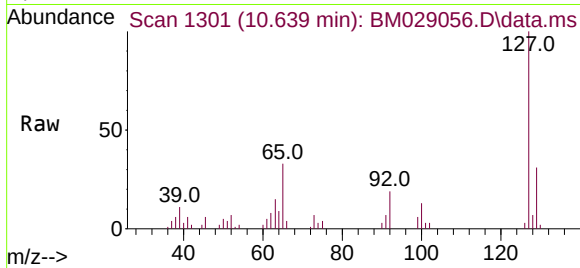




#33  
4-Chloroaniline  
Concen: 28.82 ng  
RT: 10.639 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

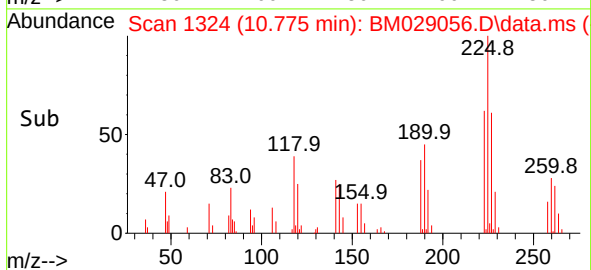
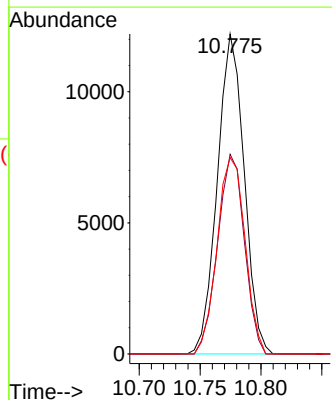
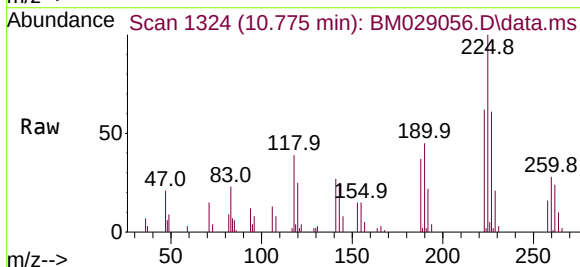
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

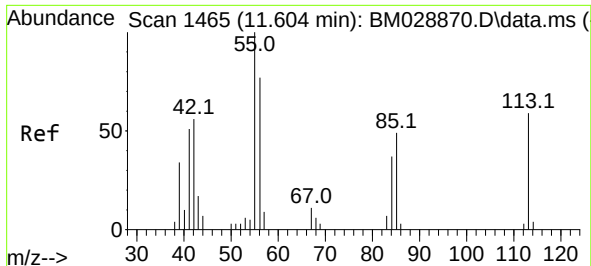
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:127 | Resp: | 24391     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.3  | 24.7 37.1 |
| 65          | 32.5  | 30.2 45.4 |
| 92          | 19.0  | 17.8 26.8 |



#34  
Hexachlorobutadiene  
Concen: 45.70 ng  
RT: 10.775 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 18754     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.4  | 51.0 76.4 |
| 227         | 61.4  | 50.6 75.8 |

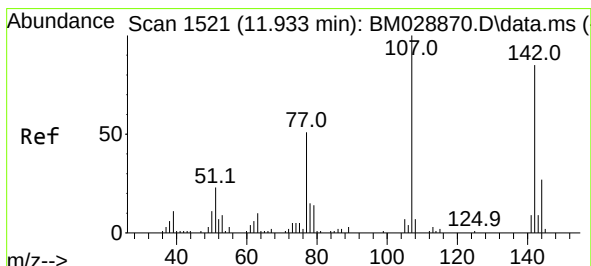
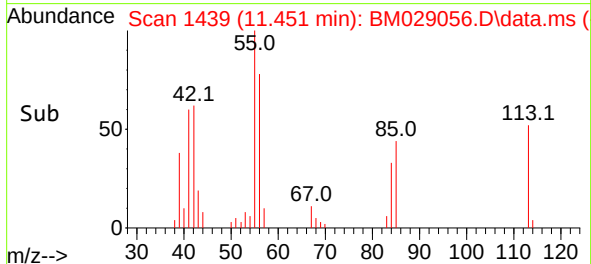
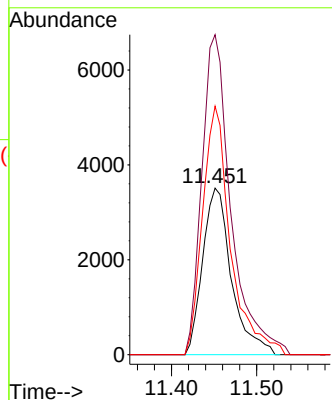
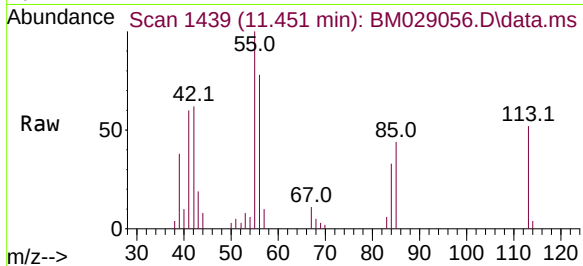




#35  
Caprolactam  
Concen: 48.32 ng  
RT: 11.451 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

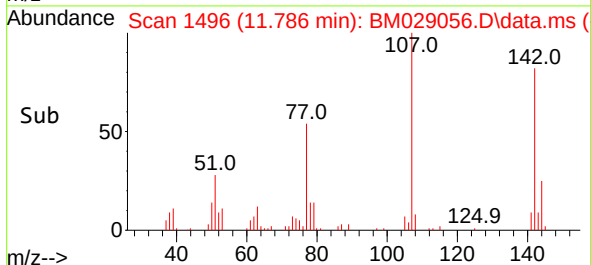
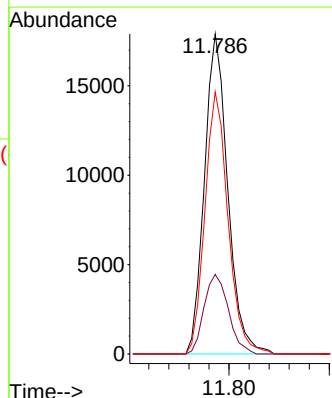
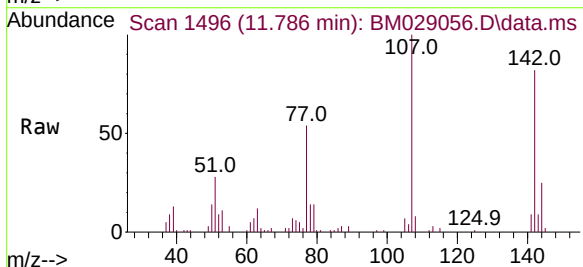
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

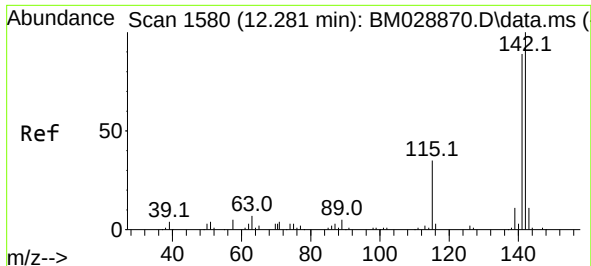
Tgt Ion:113 Resp: 8250  
Ion Ratio Lower Upper  
113 100  
55 192.1 103.2 143.2#  
56 149.2 84.2 124.2#



#36  
4-Chloro-3-methylphenol  
Concen: 46.06 ng  
RT: 11.786 min Scan# 1496  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:107 Resp: 28972  
Ion Ratio Lower Upper  
107 100  
144 24.9 20.1 30.1  
142 81.9 60.3 90.5

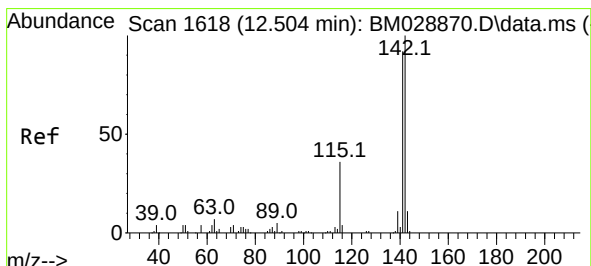
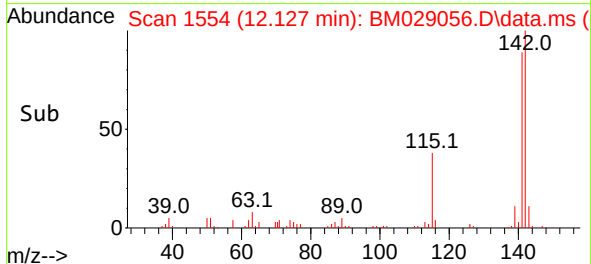
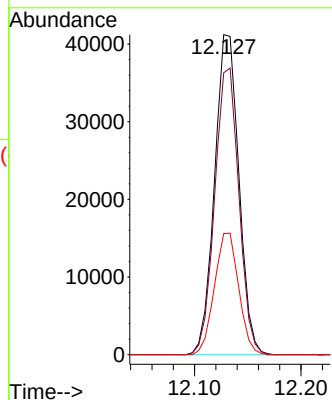
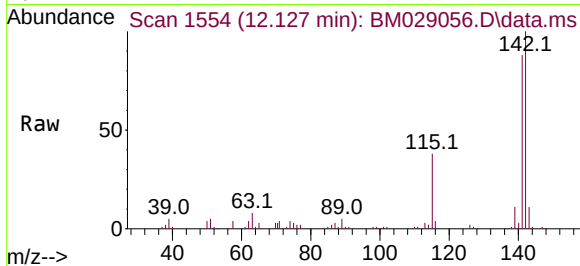




#37  
2-Methylnaphthalene  
Concen: 44.13 ng  
RT: 12.127 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

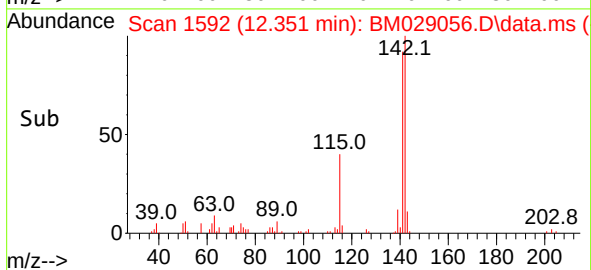
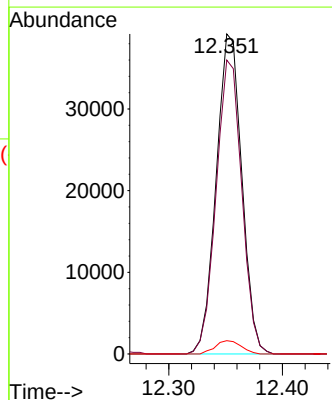
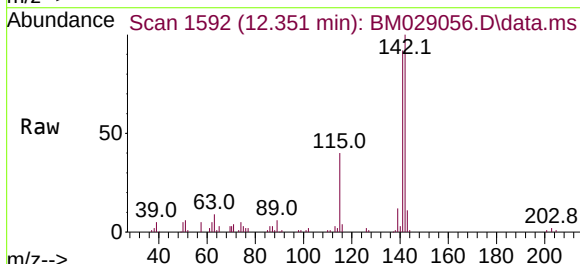
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

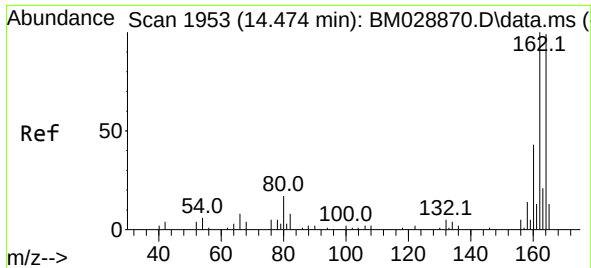
Tgt Ion:142 Resp: 65372  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.3 105.5  
115 37.8 32.2 48.4



#38  
1-Methylnaphthalene  
Concen: 43.81 ng  
RT: 12.351 min Scan# 1592  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:142 Resp: 61472  
Ion Ratio Lower Upper  
142 100  
141 91.8 73.8 110.6  
116 4.1 3.5 5.3

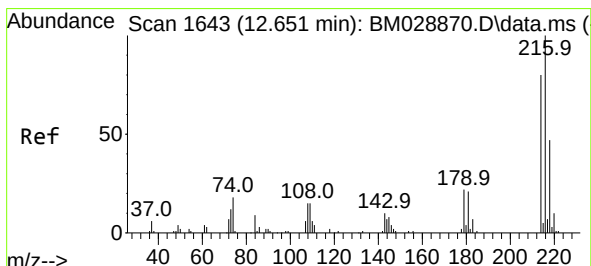
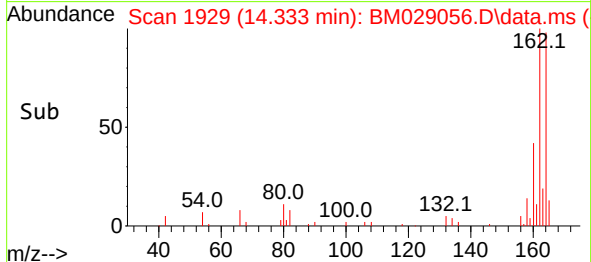
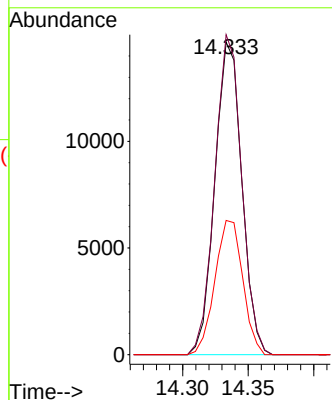
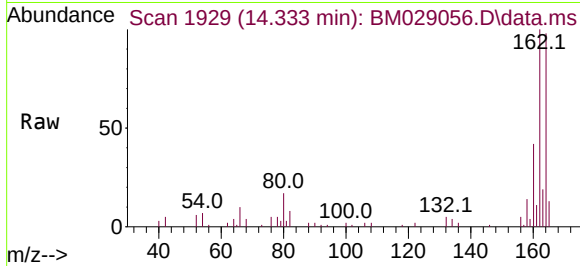




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.333 min Scan# 1929  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

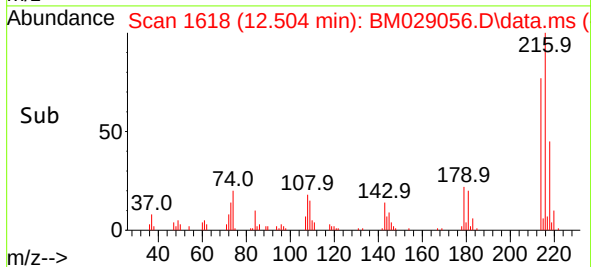
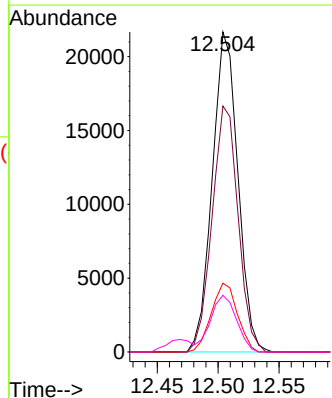
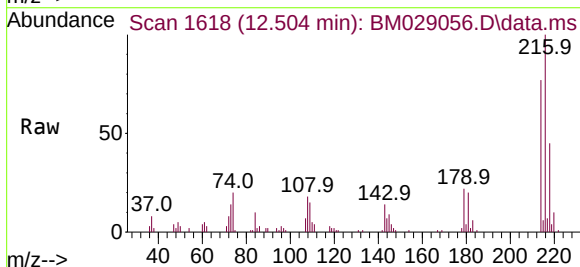
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

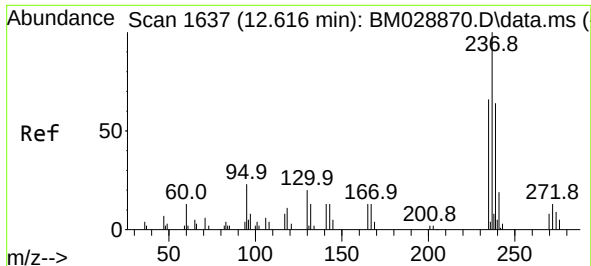
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 20932      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 102.3 | 80.4 120.6 |
| 160         | 42.9  | 35.9 53.9  |



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.44 ng  
RT: 12.504 min Scan# 1618  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 31700     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 77.9  | 62.1 93.1 |
| 179         | 22.0  | 17.2 25.8 |
| 108         | 18.0  | 14.9 22.3 |

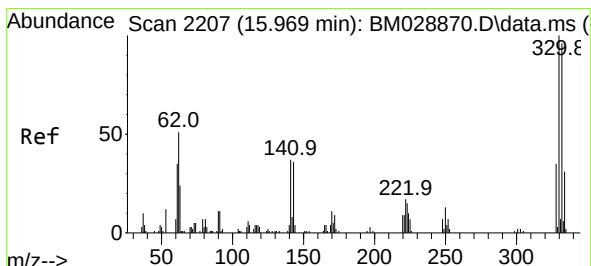
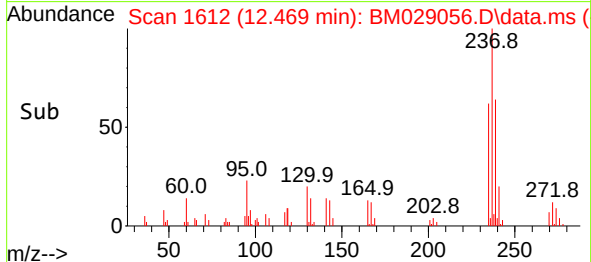
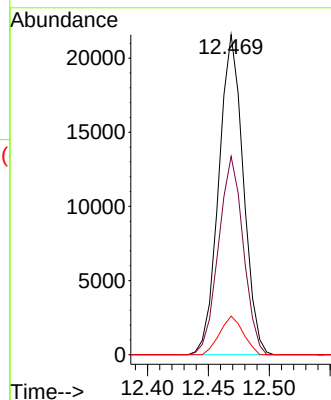
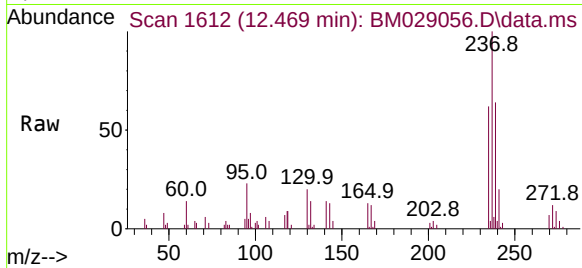




#41  
Hexachlorocyclopentadiene  
Concen: 121.16 ng  
RT: 12.469 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

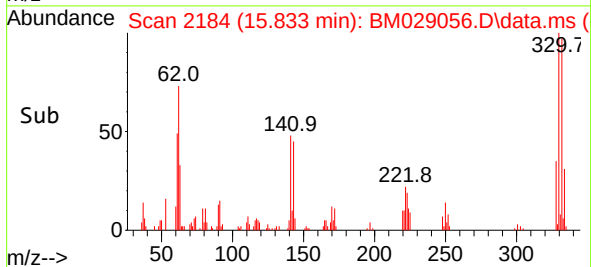
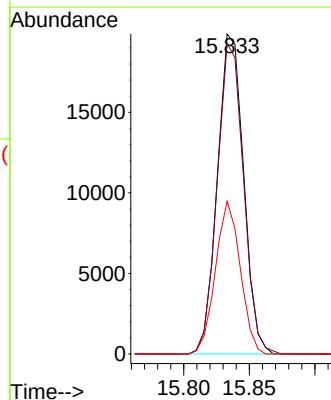
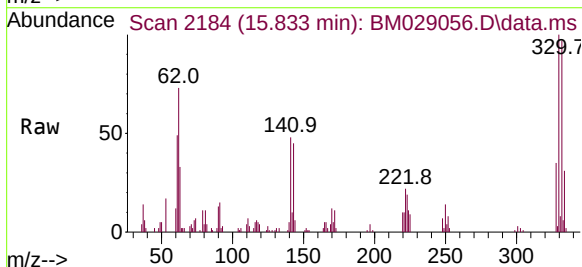
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 30227     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 61.9  | 43.1 83.1 |
| 272         | 12.0  | 0.0 33.0  |

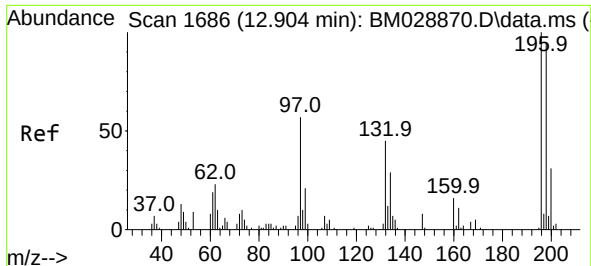


#42  
2,4,6-Tribromophenol  
Concen: 111.27 ng  
RT: 15.833 min Scan# 2184  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 27604      |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 97.0  | 77.8 116.8 |
| 141         | 45.2  | 28.4 42.6# |



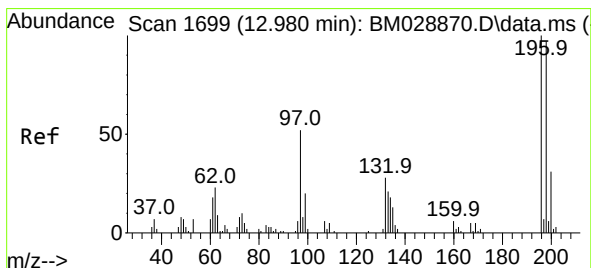
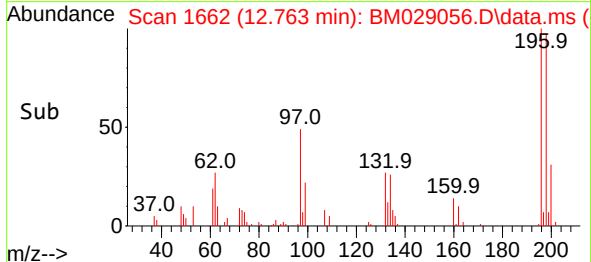
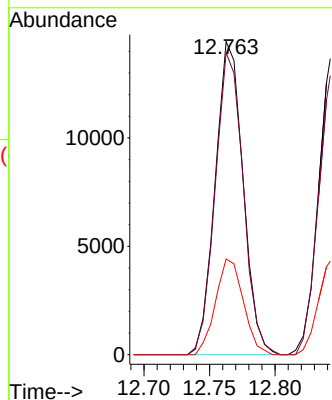
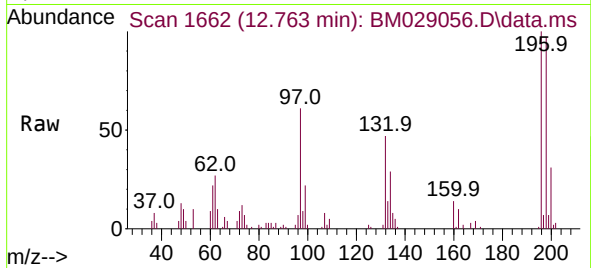




#43  
2,4,6-Trichlorophenol  
Concen: 46.48 ng  
RT: 12.763 min Scan# 1662  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

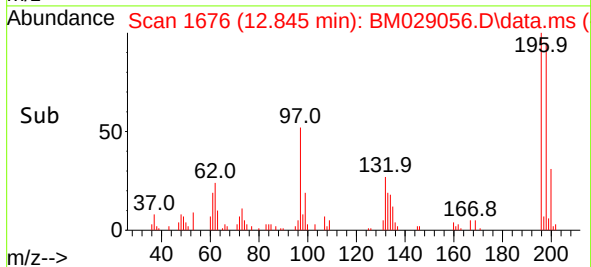
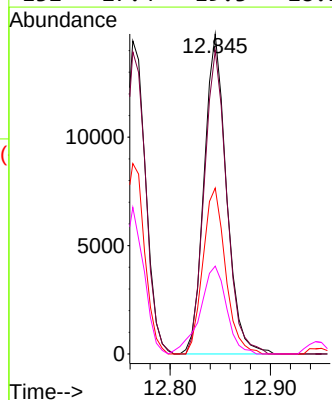
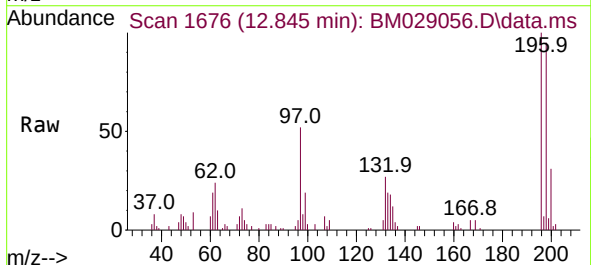
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

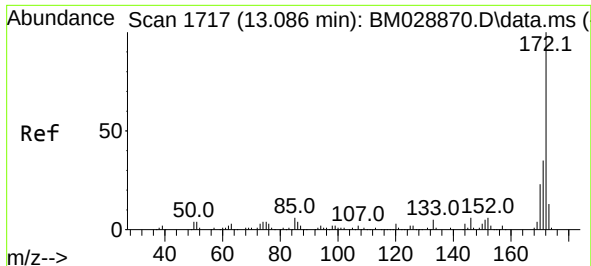
Tgt Ion:196 Resp: 21323  
Ion Ratio Lower Upper  
196 100  
198 96.5 74.9 112.3  
200 30.6 23.7 35.5



#44  
2,4,5-Trichlorophenol  
Concen: 46.65 ng  
RT: 12.845 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:196 Resp: 22970  
Ion Ratio Lower Upper  
196 100  
198 94.9 79.0 118.6  
97 51.9 40.5 60.7  
132 27.4 19.3 28.9

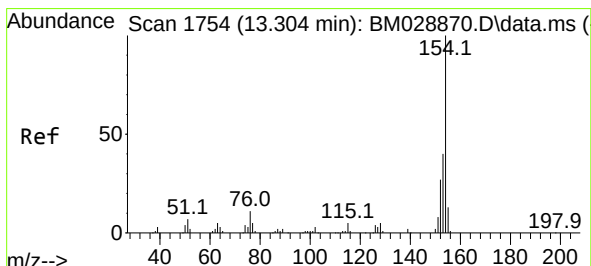
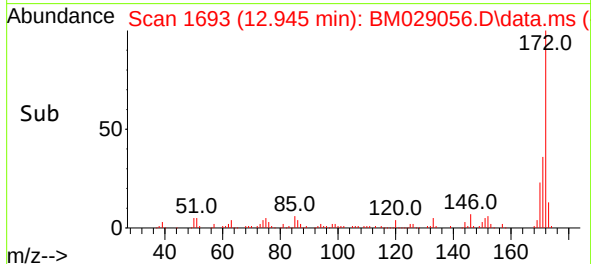
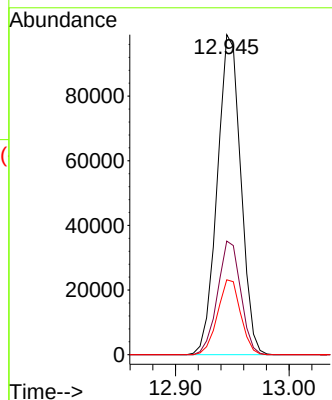
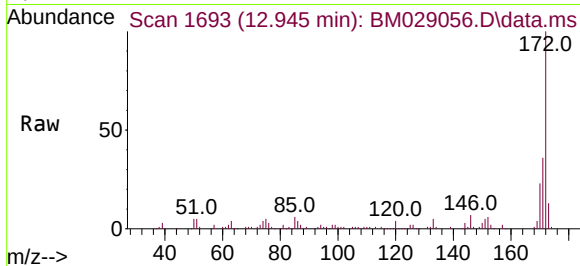




#45  
2-Fluorobiphenyl  
Concen: 90.60 ng  
RT: 12.945 min Scan# 1693  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

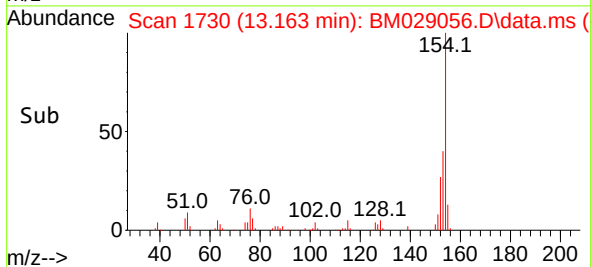
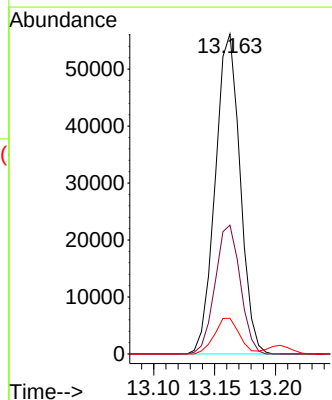
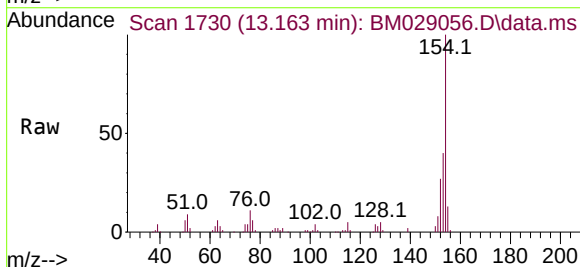
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

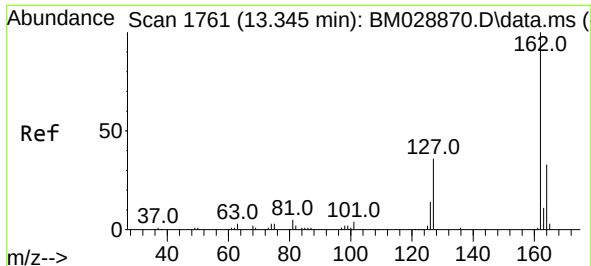
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 142457 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.5  | 27.8  | 41.8   |
| 170       | 23.4  | 18.6  | 27.8   |



#46  
1,1'-Biphenyl  
Concen: 47.52 ng  
RT: 13.163 min Scan# 1730  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 79767 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 40.2  | 20.0  | 60.0  |
| 76        | 11.2  | 0.0   | 32.0  |

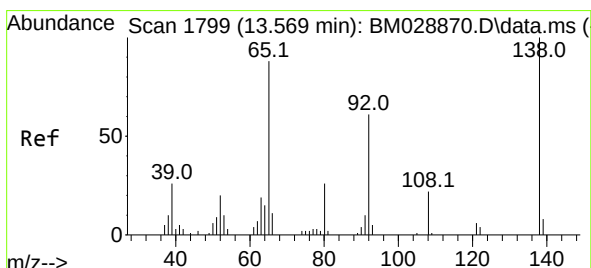
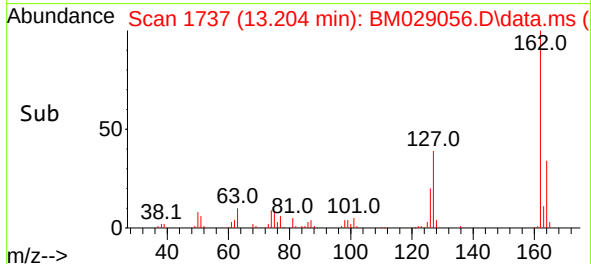
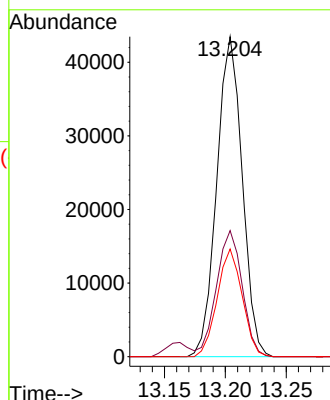
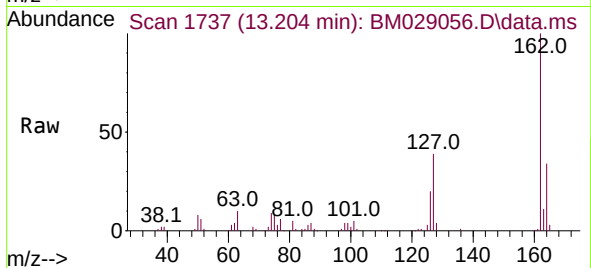




#47  
2-Chloronaphthalene  
Concen: 46.17 ng  
RT: 13.204 min Scan# 1737  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

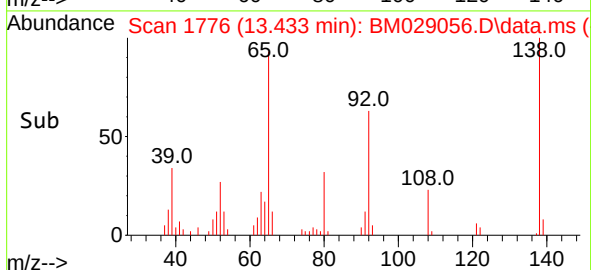
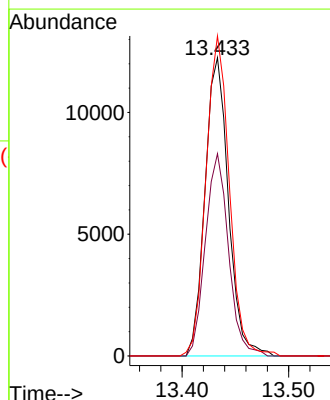
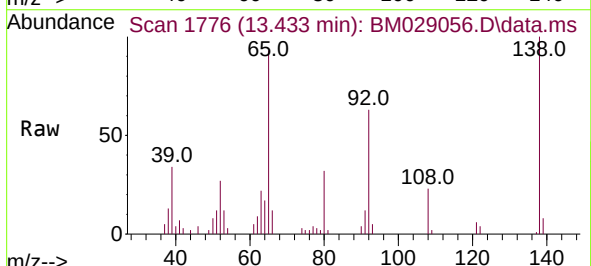
Instrument :  
BNA\_M  
ClientSampled :  
32-NORTHMSD

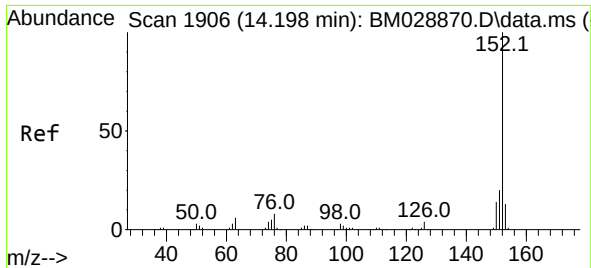
Tgt Ion:162 Resp: 63268  
Ion Ratio Lower Upper  
162 100  
127 39.4 29.6 44.4  
164 33.7 26.2 39.4



#48  
2-Nitroaniline  
Concen: 50.94 ng  
RT: 13.433 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion: 65 Resp: 18776  
Ion Ratio Lower Upper  
65 100  
92 67.8 51.5 77.3  
138 107.3 72.7 109.1

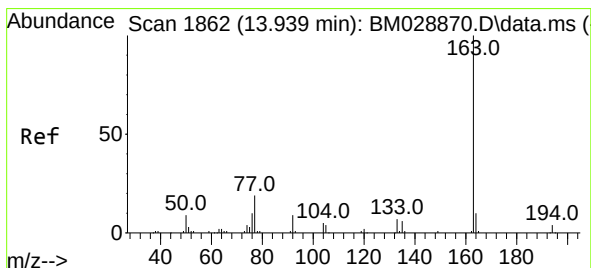
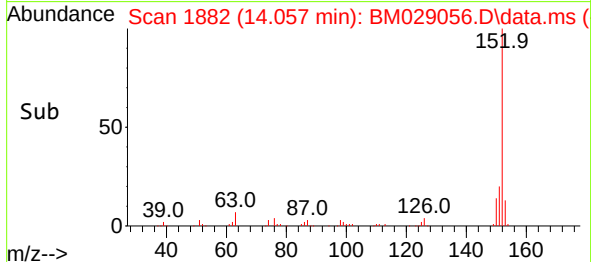
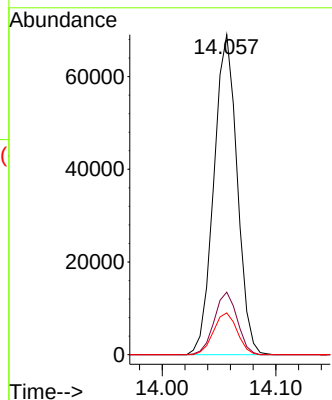
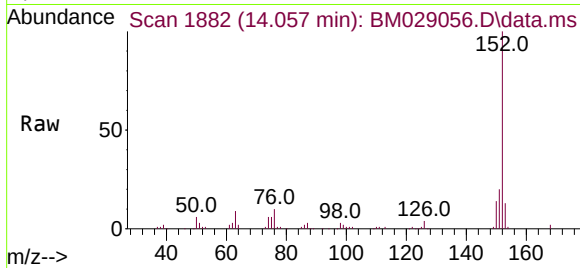




#49  
Acenaphthylene  
Concen: 46.82 ng  
RT: 14.057 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

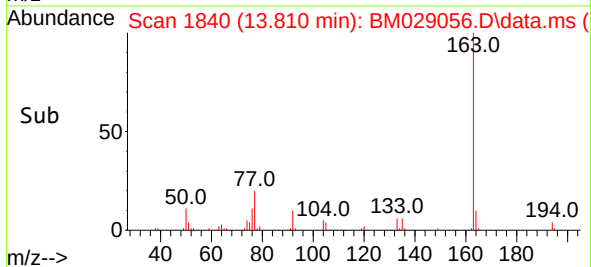
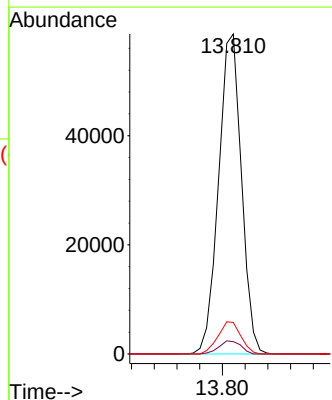
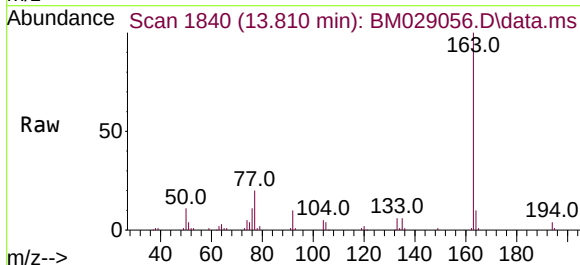
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

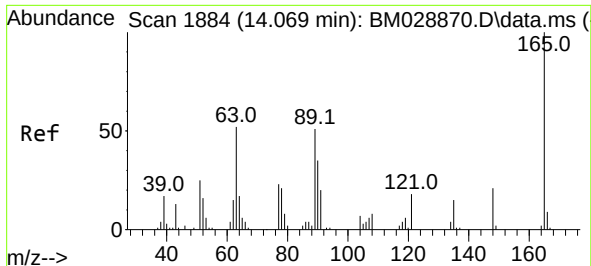
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 98541     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 19.6  | 15.8 23.6 |
| 153         | 13.0  | 10.4 15.6 |



#50  
Dimethylphthalate  
Concen: 51.66 ng  
RT: 13.810 min Scan# 1840  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 81949    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 3.8   | 3.4 5.2  |
| 164         | 9.8   | 8.1 12.1 |

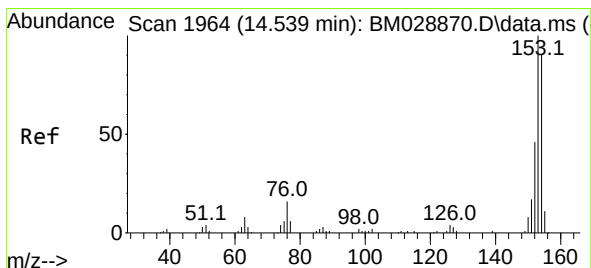
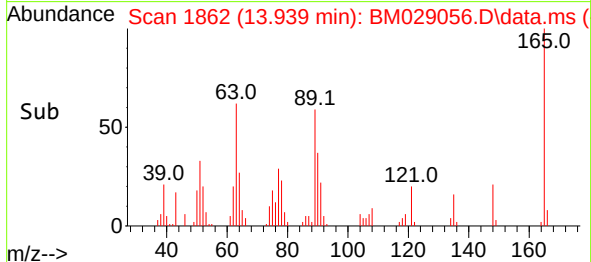
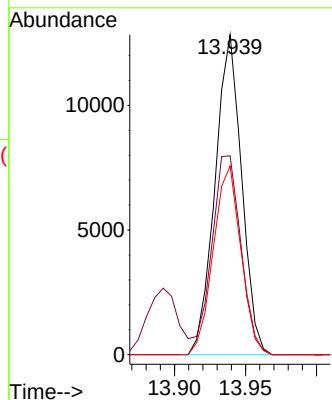
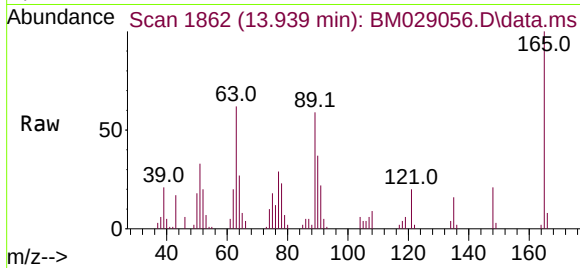




#51  
2,6-Dinitrotoluene  
Concen: 45.21 ng  
RT: 13.939 min Scan# 1862  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

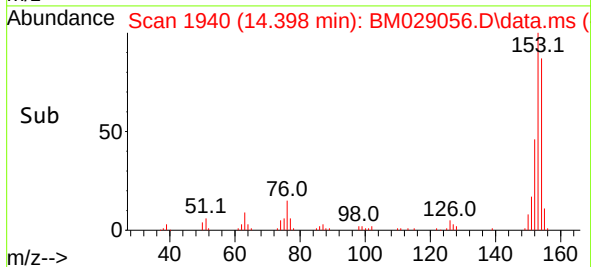
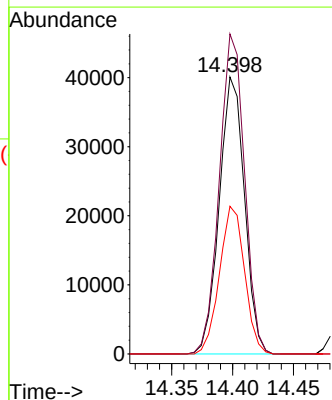
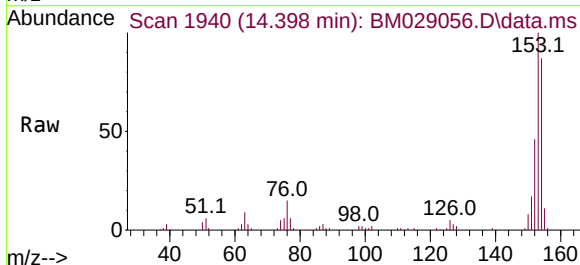
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

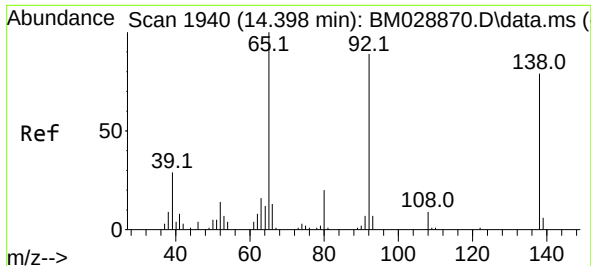
Tgt Ion:165 Resp: 16721  
Ion Ratio Lower Upper  
165 100  
63 62.1 51.1 76.7  
89 59.0 53.3 79.9



#52  
Acenaphthene  
Concen: 44.92 ng  
RT: 14.398 min Scan# 1940  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:154 Resp: 57977  
Ion Ratio Lower Upper  
154 100  
153 115.6 88.3 132.5  
152 53.4 41.4 62.2

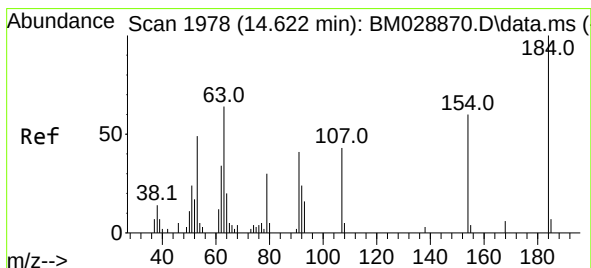
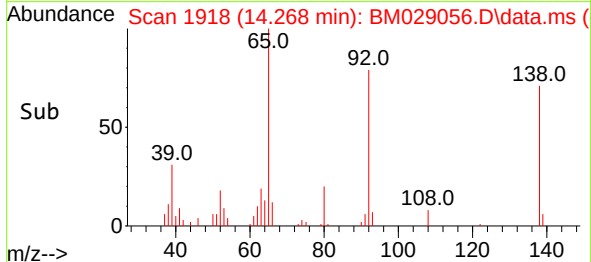
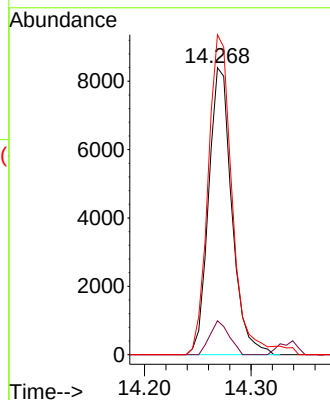
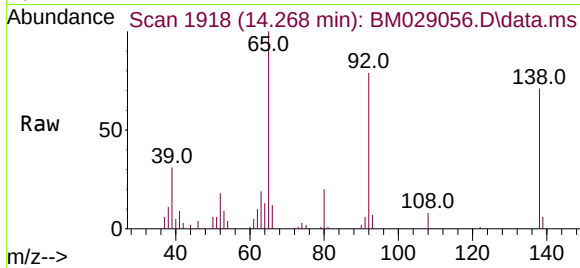




#53  
3-Nitroaniline  
Concen: 35.30 ng  
RT: 14.268 min Scan# 1918  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

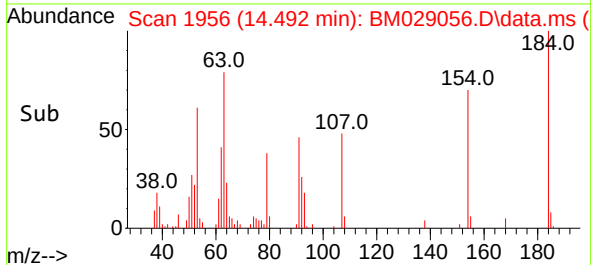
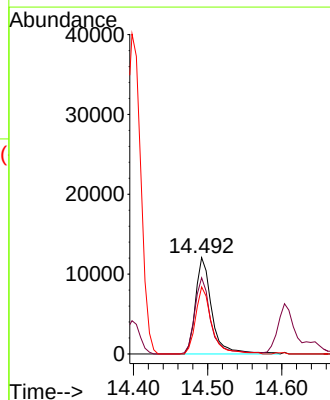
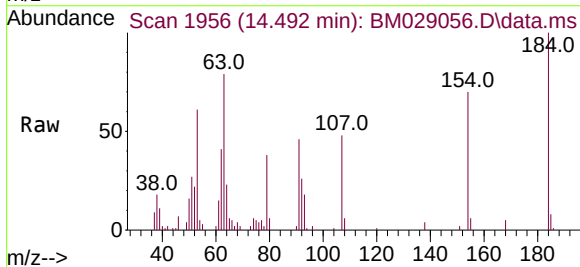
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

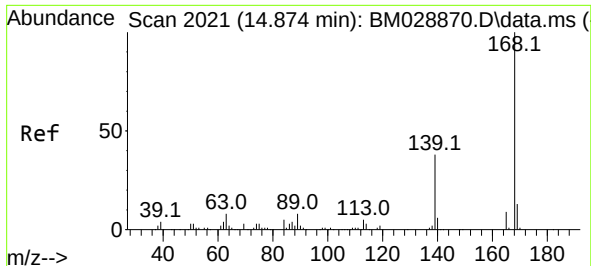
Tgt Ion:138 Resp: 12722  
Ion Ratio Lower Upper  
138 100  
108 11.8 8.6 13.0  
92 111.5 102.1 153.1



#54  
2,4-Dinitrophenol  
Concen: 96.93 ng  
RT: 14.492 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:184 Resp: 18338  
Ion Ratio Lower Upper  
184 100  
63 79.0 60.2 90.2  
154 69.6 52.9 79.3

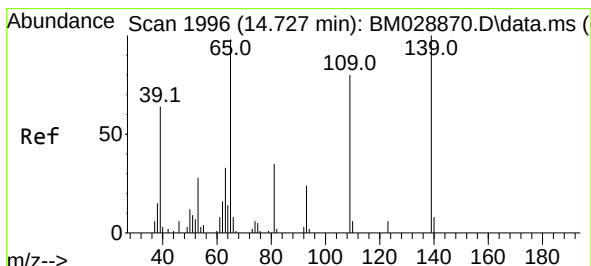
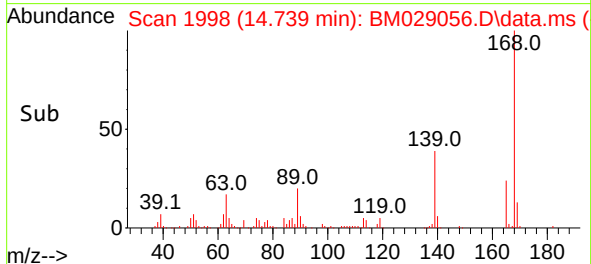
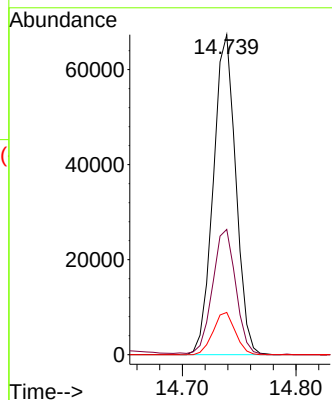
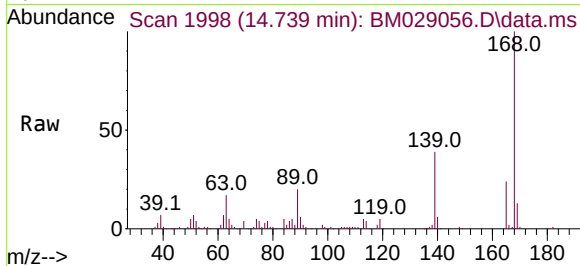




#55  
Dibenzenofuran  
Concen: 45.72 ng  
RT: 14.739 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

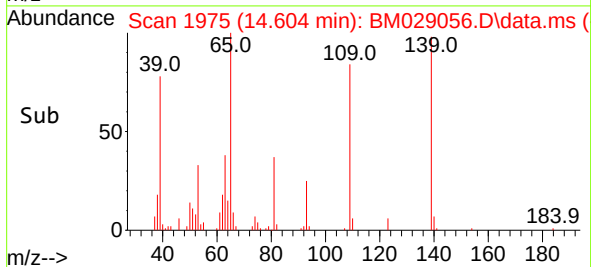
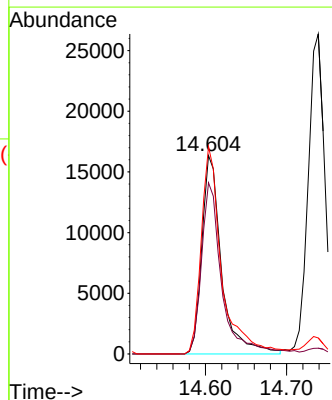
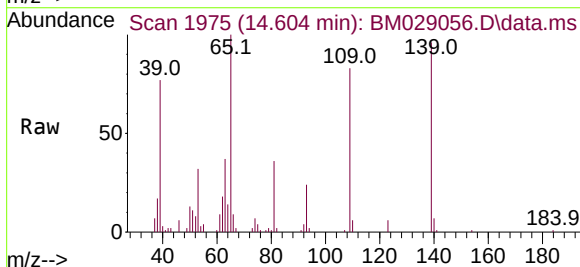
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

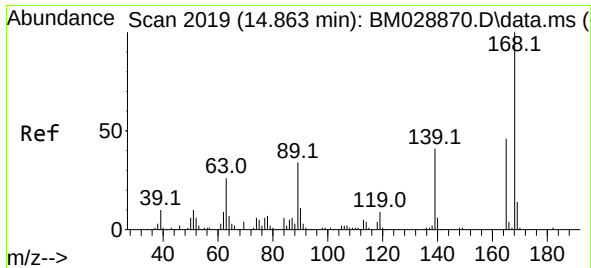
Tgt Ion:168 Resp: 92646  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.2 45.4  
169 13.2 10.6 16.0



#56  
4-Nitrophenol  
Concen: 93.32 ng  
RT: 14.604 min Scan# 1975  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

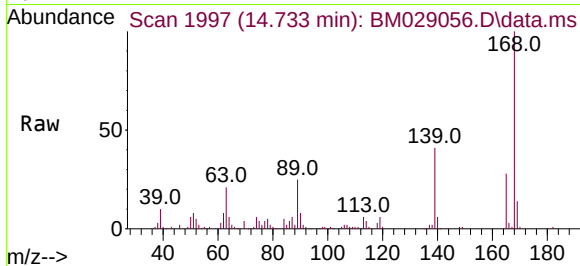
Tgt Ion:139 Resp: 27586  
Ion Ratio Lower Upper  
139 100  
109 86.3 77.0 117.0  
65 104.5 103.4 143.4



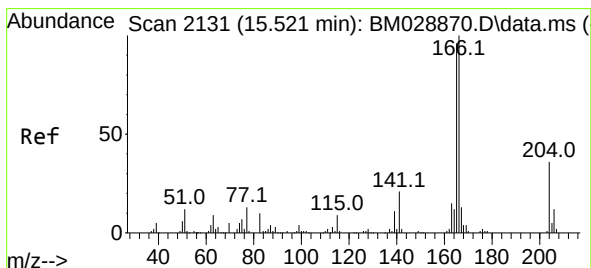
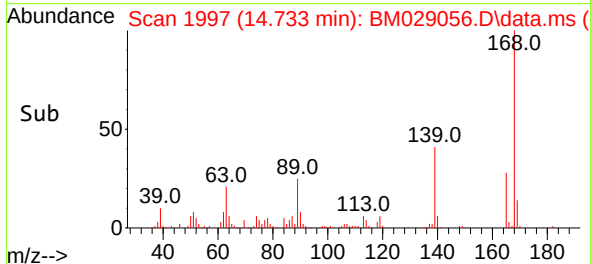
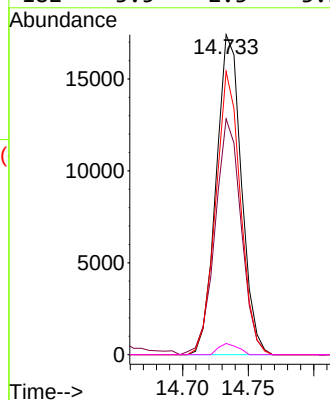


#57  
2,4-Dinitrotoluene  
Concen: 48.26 ng  
RT: 14.733 min Scan# 1997  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

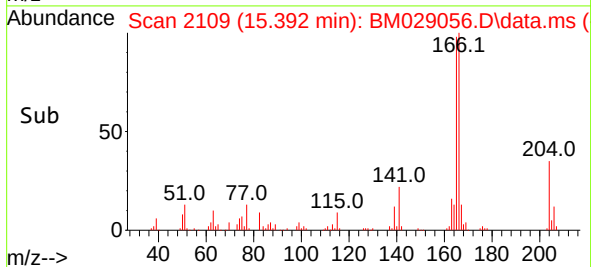
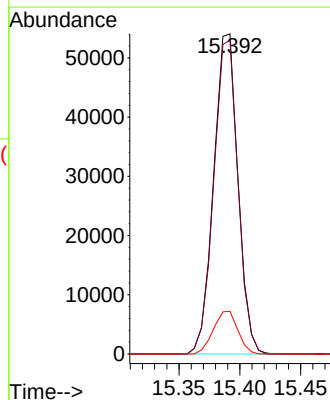
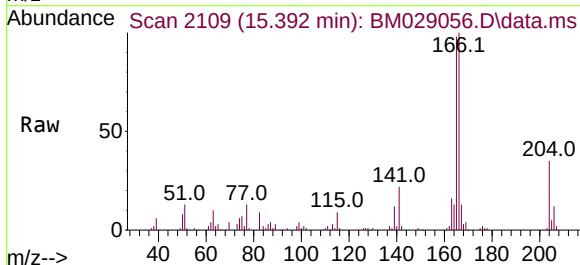


Tgt Ion:165 Resp: 23316  
Ion Ratio Lower Upper  
165 100  
63 73.7 38.8 58.2#  
89 88.5 62.6 94.0  
182 3.5 2.3 3.5#

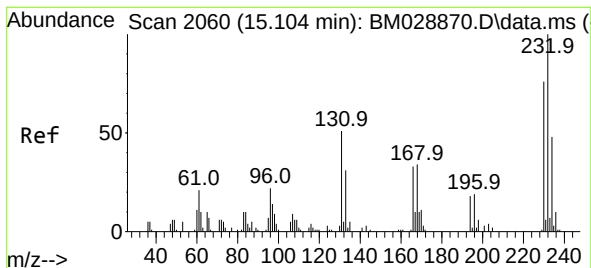


#58  
Fluorene  
Concen: 46.23 ng  
RT: 15.392 min Scan# 2109  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:166 Resp: 75084  
Ion Ratio Lower Upper  
166 100  
165 98.0 76.2 114.2  
167 13.4 10.7 16.1



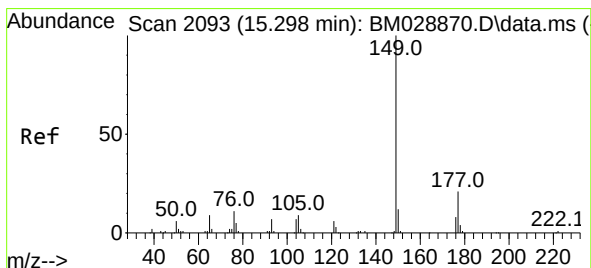
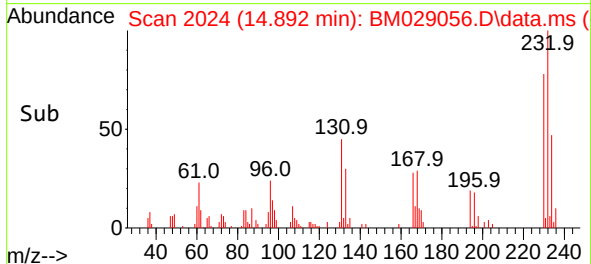
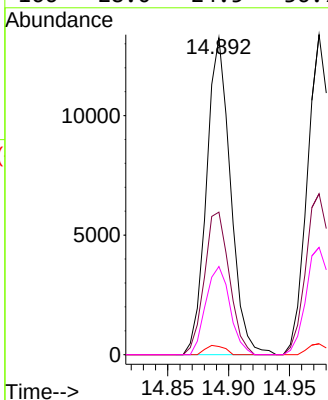
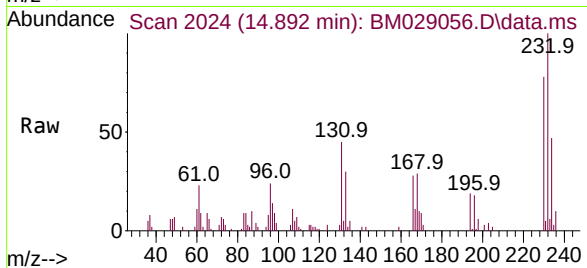




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.06 ng  
RT: 14.892 min Scan# 2024  
Delta R.T. -0.088 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

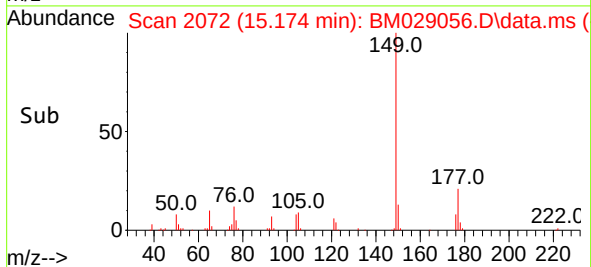
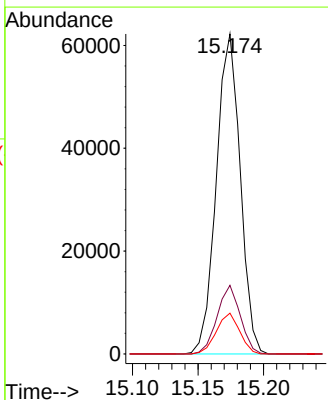
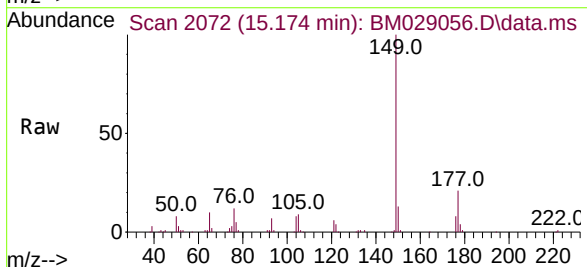
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

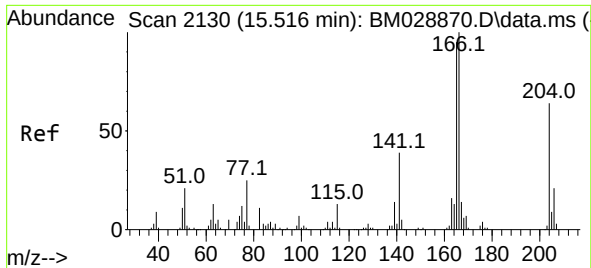
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 18226 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 46.7  | 32.2  | 48.2  |
| 130       | 2.3   | 1.8   | 2.8   |
| 166       | 28.0  | 24.5  | 36.7  |



#60  
Diethylphthalate  
Concen: 49.35 ng  
RT: 15.174 min Scan# 2072  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 78757 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 177       | 21.4  | 18.2  | 27.4  |
| 150       | 12.7  | 10.2  | 15.4  |

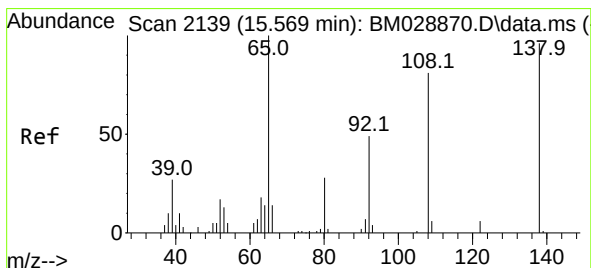
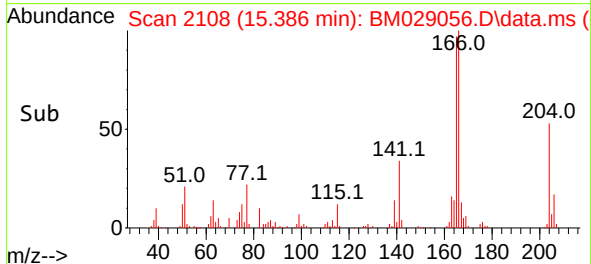
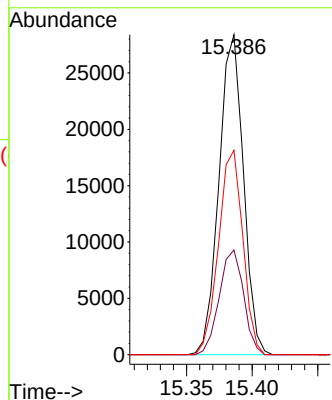
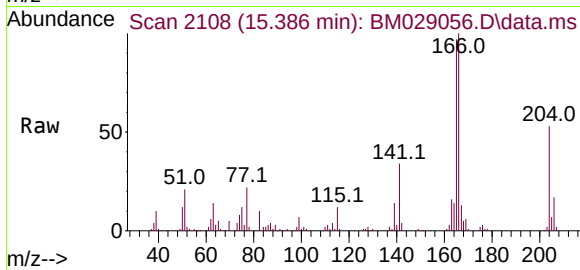




#61  
4-Chlorophenyl-phenylether  
Concen: 47.47 ng  
RT: 15.386 min Scan# 2108  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

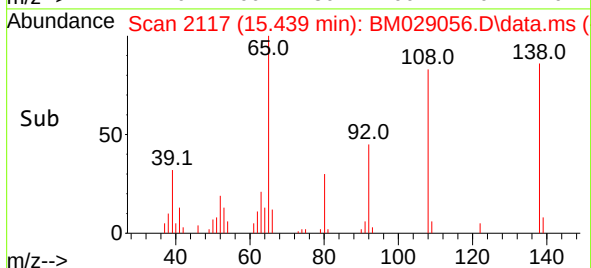
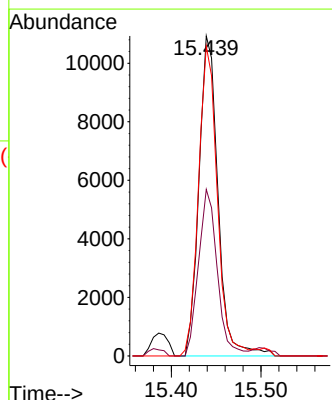
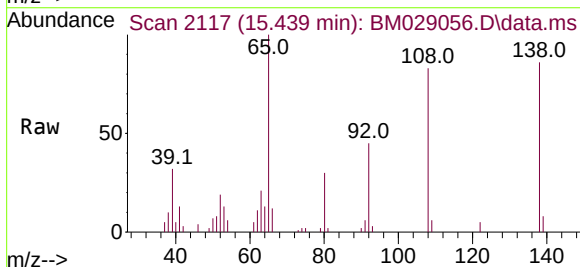
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

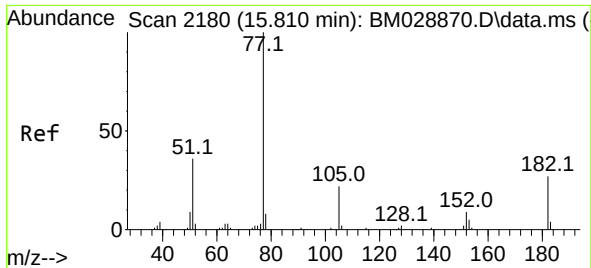
Tgt Ion:204 Resp: 36788  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.1 39.1  
141 63.8 43.7 65.5



#62  
4-Nitroaniline  
Concen: 46.19 ng  
RT: 15.439 min Scan# 2117  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:138 Resp: 16091  
Ion Ratio Lower Upper  
138 100  
92 52.1 35.5 75.5  
108 96.8 80.5 120.5

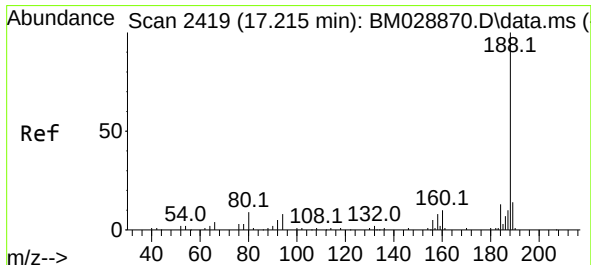
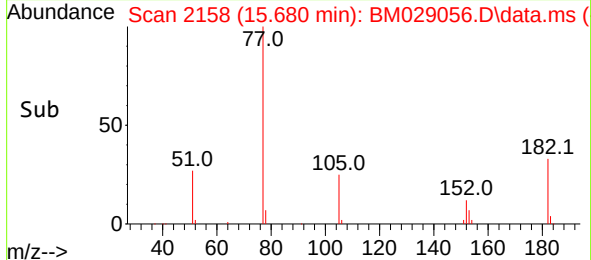
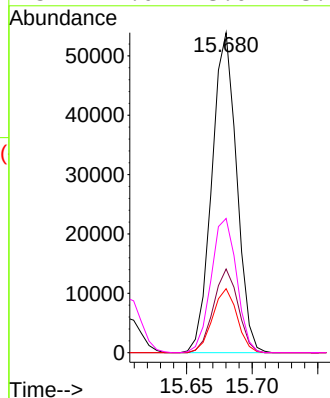
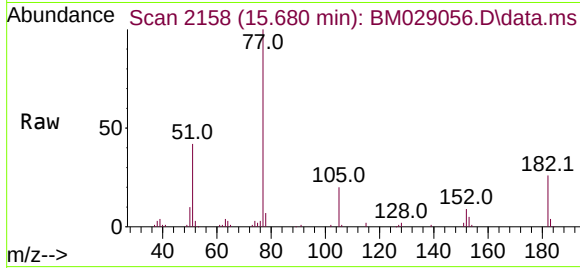




#63  
Azobenzene  
Concen: 48.16 ng  
RT: 15.680 min Scan# 2158  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

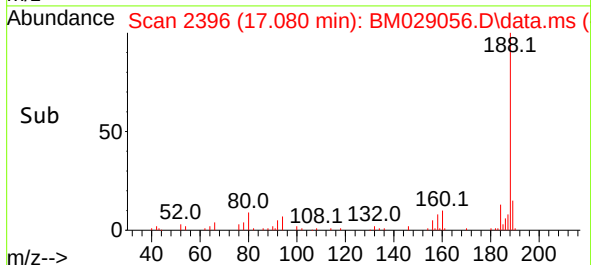
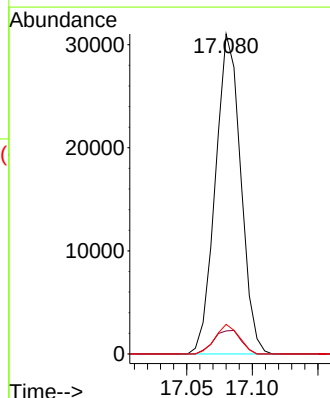
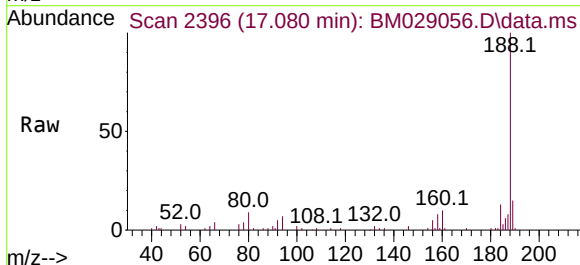
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

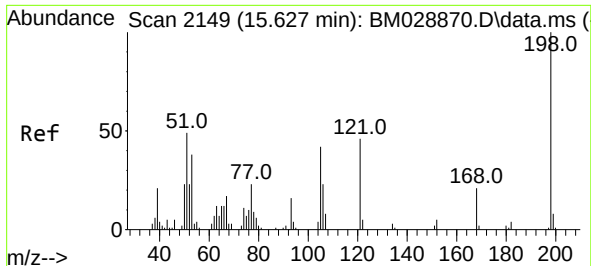
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 70920 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 26.2    | 5.8 45.8    |
| 105 20.0    | 0.0 37.2    |
| 51 42.0     | 3.6 43.6    |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.080 min Scan# 2396  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

|              |             |
|--------------|-------------|
| Tgt Ion: 188 | Resp: 41623 |
| Ion Ratio    | Lower Upper |
| 188 100      |             |
| 94 7.2       | 6.2 9.4     |
| 80 9.2       | 7.5 11.3    |

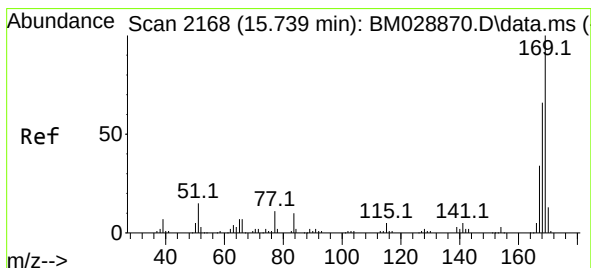
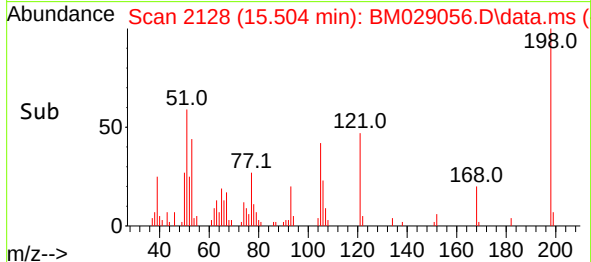
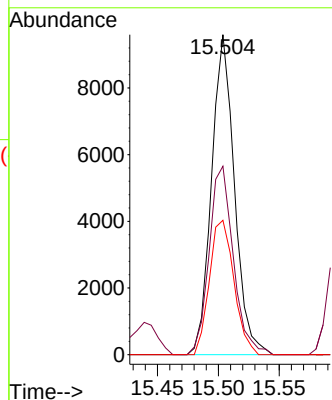
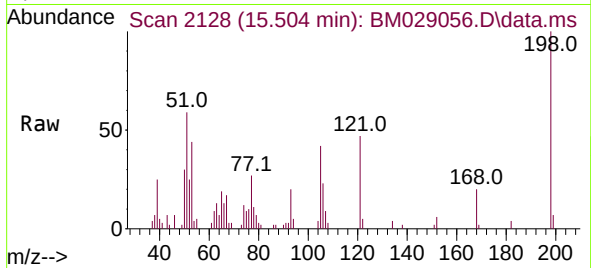




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.86 ng  
RT: 15.504 min Scan# 2128  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

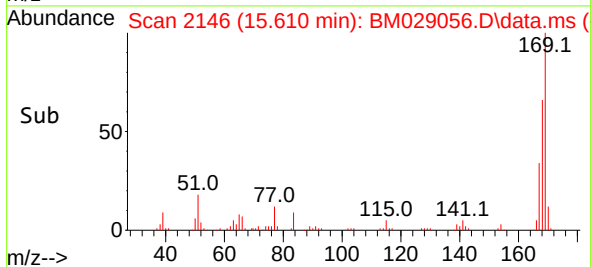
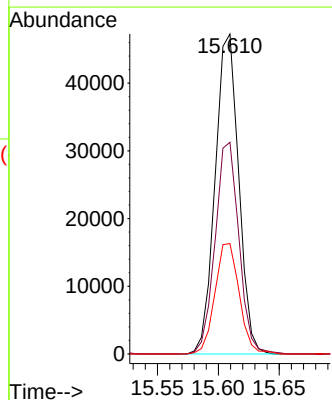
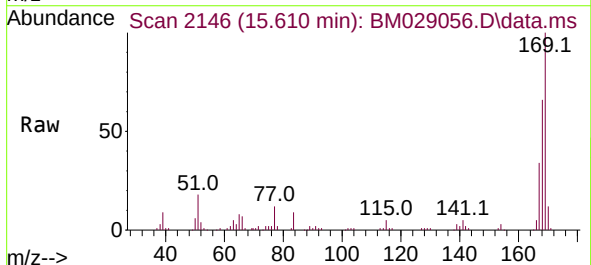
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

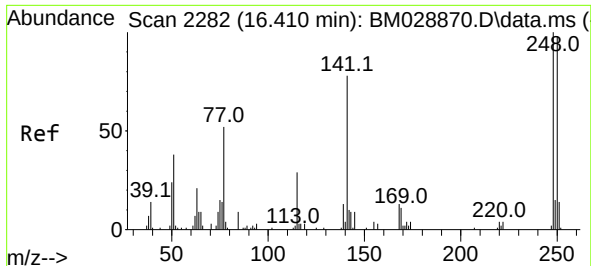
Tgt Ion:198 Resp: 12562  
Ion Ratio Lower Upper  
198 100  
51 58.9 13.0 53.0#  
105 42.0 18.7 58.7



#66  
n-Nitrosodiphenylamine  
Concen: 44.72 ng  
RT: 15.610 min Scan# 2146  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:169 Resp: 63674  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.8 80.8  
167 34.5 29.0 43.4

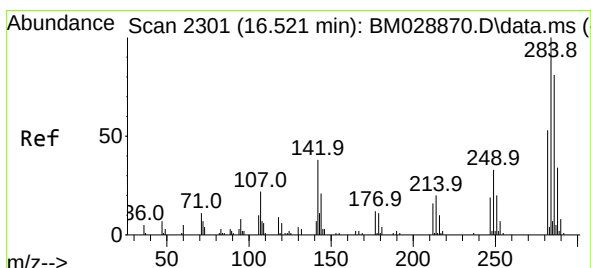
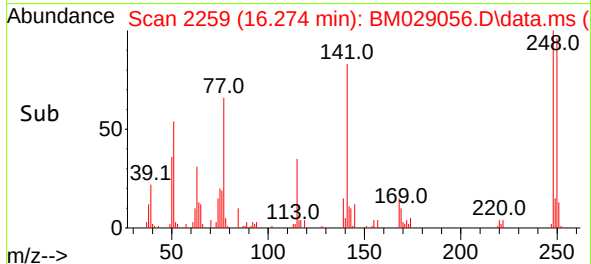
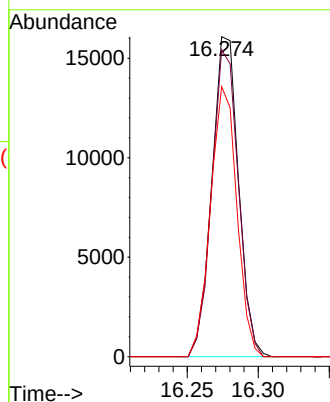
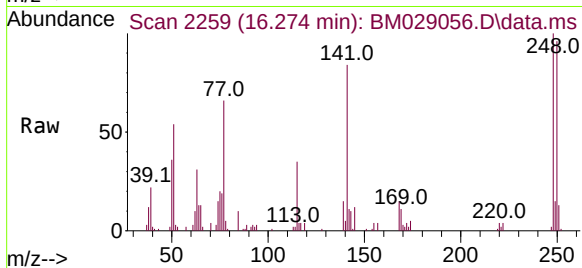




#67  
4-Bromophenyl-phenylether  
Concen: 45.00 ng  
RT: 16.274 min Scan# 2259  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

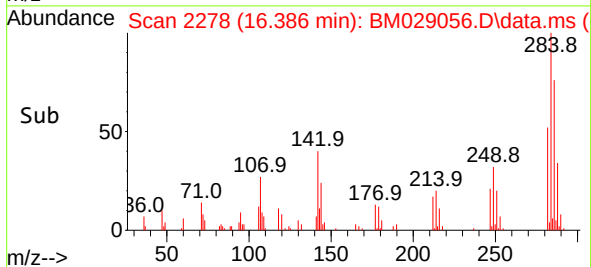
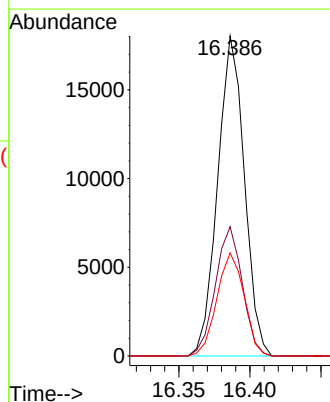
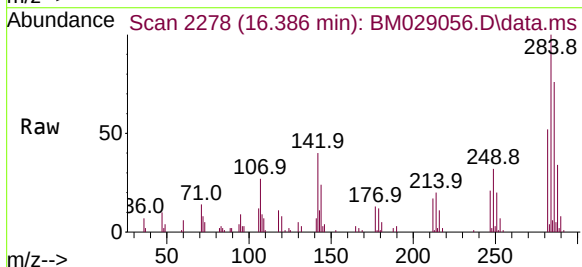
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

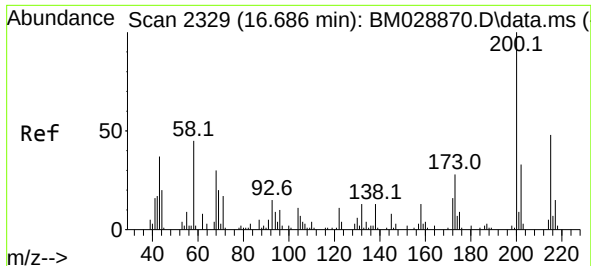
Tgt Ion:248 Resp: 21019  
Ion Ratio Lower Upper  
248 100  
250 95.9 79.1 118.7  
141 84.4 51.8 77.8#



#68  
Hexachlorobenzene  
Concen: 45.34 ng  
RT: 16.386 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:284 Resp: 23595  
Ion Ratio Lower Upper  
284 100  
142 40.4 26.1 39.1#  
249 32.2 25.6 38.4

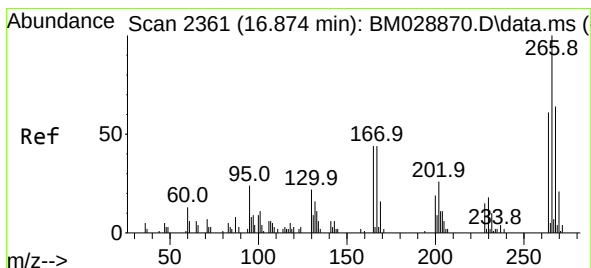
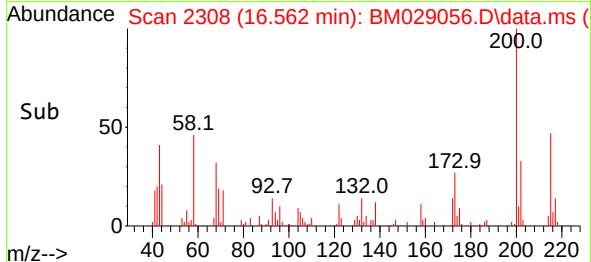
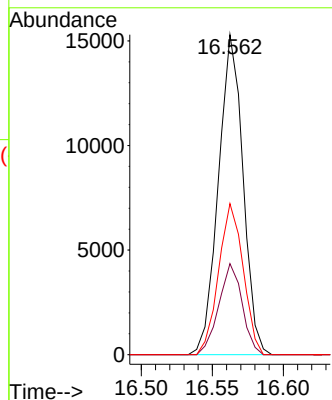
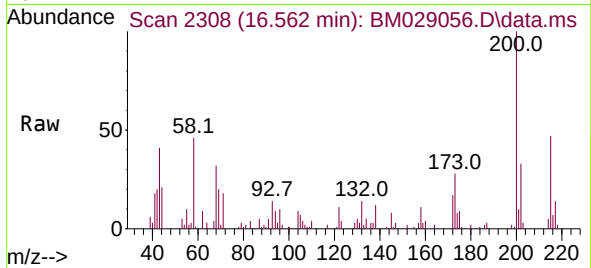




#69  
 Atrazine  
 Concen: 41.55 ng  
 RT: 16.562 min Scan# 2308  
 Delta R.T. -0.006 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

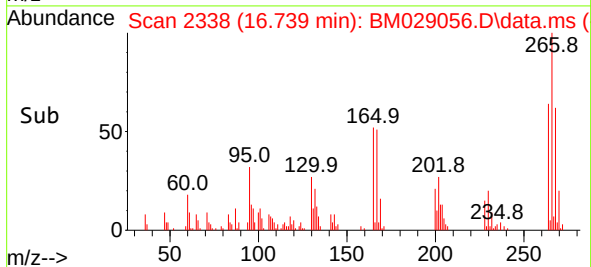
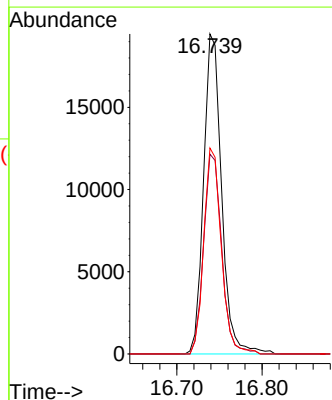
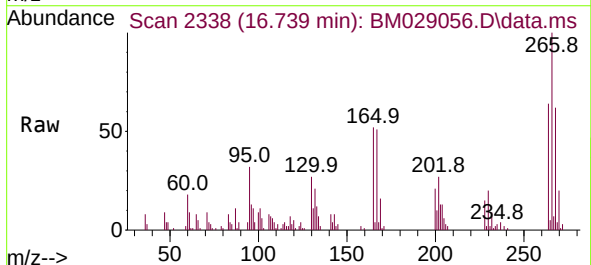
Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD

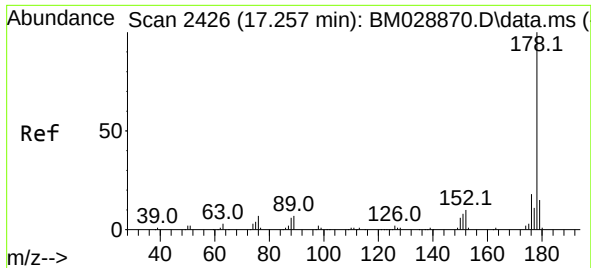
Tgt Ion:200 Resp: 18408  
 Ion Ratio Lower Upper  
 200 100  
 173 28.5 4.9 44.9  
 215 47.2 29.0 69.0



#70  
 Pentachlorophenol  
 Concen: 102.52 ng  
 RT: 16.739 min Scan# 2338  
 Delta R.T. -0.006 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

Tgt Ion:266 Resp: 28541  
 Ion Ratio Lower Upper  
 266 100  
 268 62.5 49.9 74.9  
 264 64.4 50.6 76.0

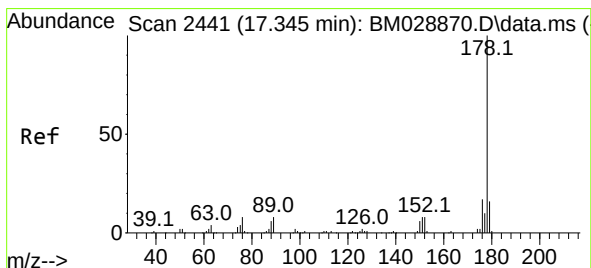
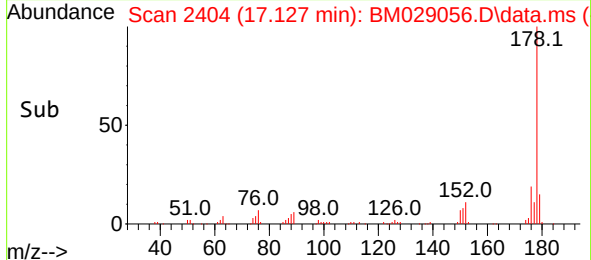
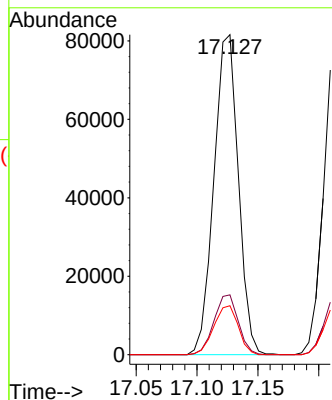
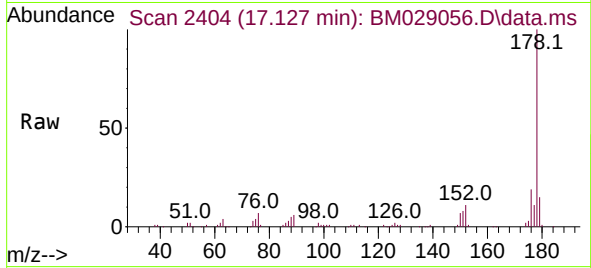




#71  
Phenanthrene  
Concen: 45.95 ng  
RT: 17.127 min Scan# 2404  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

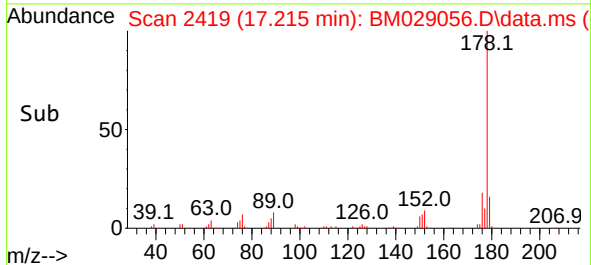
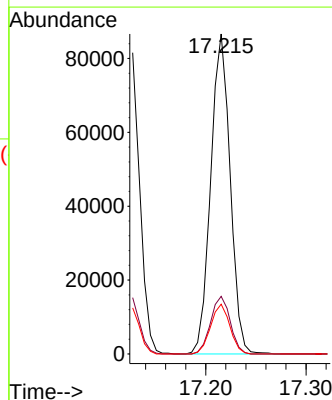
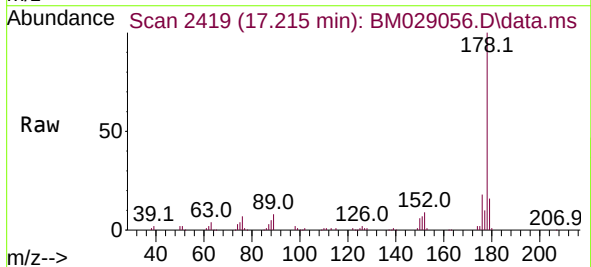
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

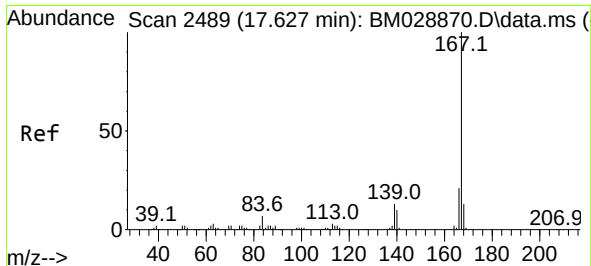
Tgt Ion:178 Resp: 113880  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.6  
179 15.3 12.2 18.4



#72  
Anthracene  
Concen: 47.44 ng  
RT: 17.215 min Scan# 2419  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

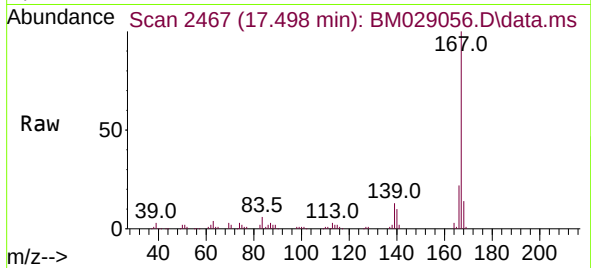
Tgt Ion:178 Resp: 116472  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.0 22.4  
179 15.5 12.5 18.7



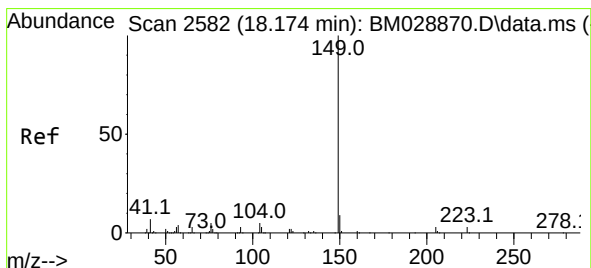
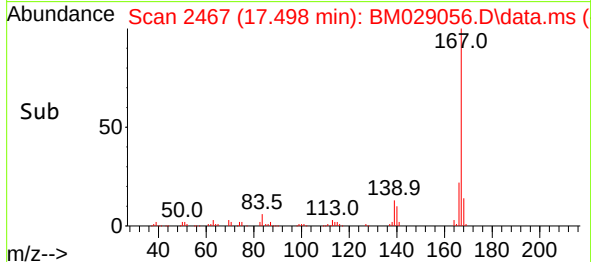
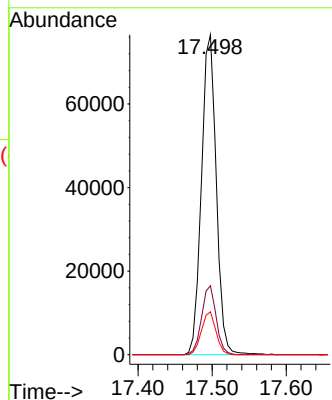


#73  
 Carbazole  
 Concen: 45.12 ng  
 RT: 17.498 min Scan# 2467  
 Delta R.T. -0.000 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

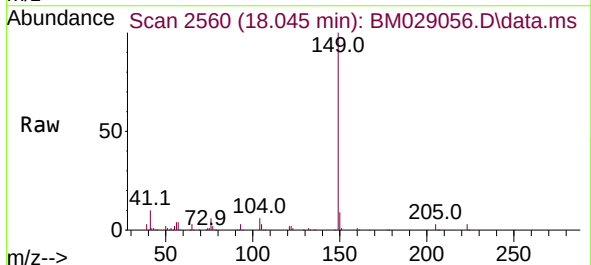
Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD



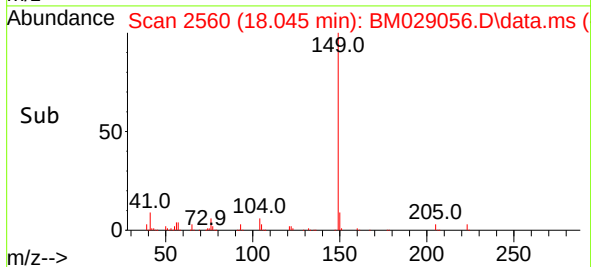
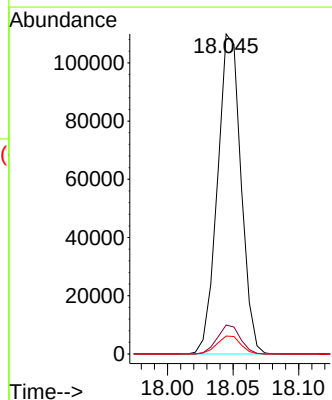
Tgt Ion:167 Resp: 106283  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 16.9 25.3  
 139 13.4 9.9 14.9



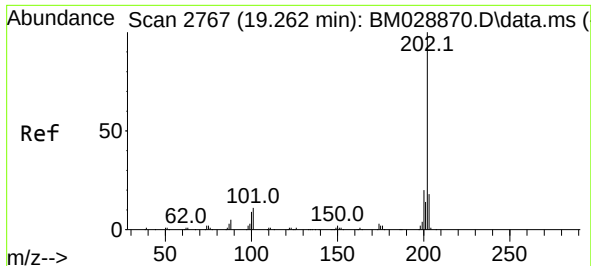
#74  
 Di-n-butylphthalate  
 Concen: 51.02 ng  
 RT: 18.045 min Scan# 2560  
 Delta R.T. -0.006 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19



Tgt Ion:149 Resp: 136671  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 5.6 4.7 7.1



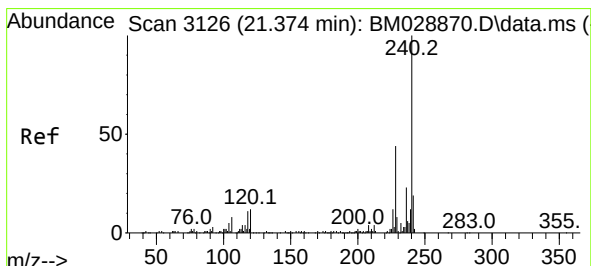
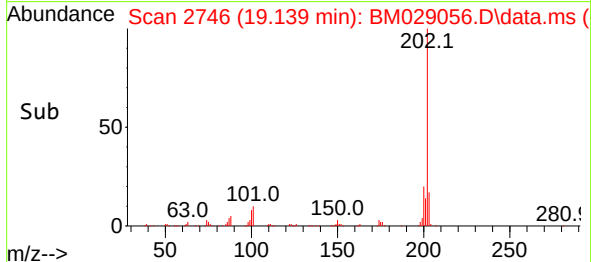
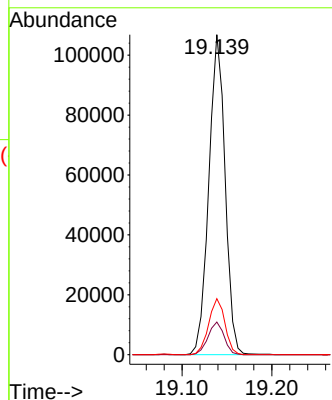
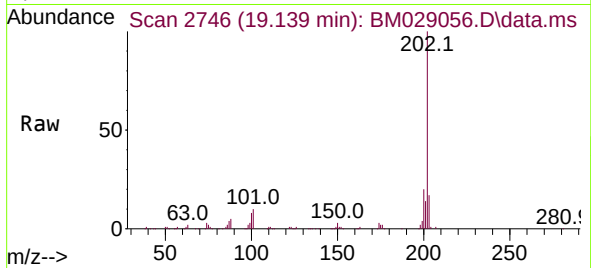




#75  
Fluoranthene  
Concen: 49.39 ng  
RT: 19.139 min Scan# 2746  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

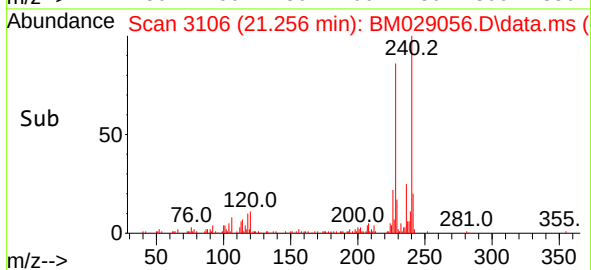
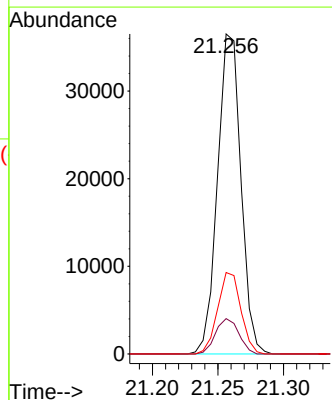
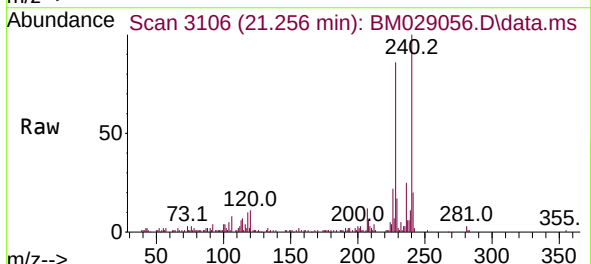
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

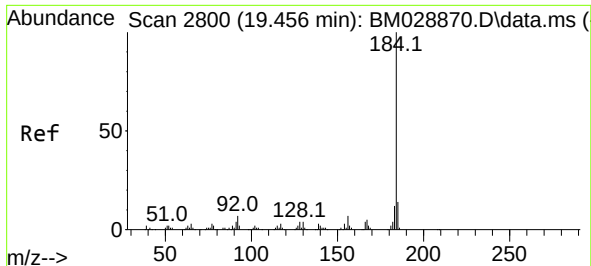
Tgt Ion:202 Resp: 134535  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 28.5  
203 17.5 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.256 min Scan# 3106  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:240 Resp: 45293  
Ion Ratio Lower Upper  
240 100  
120 11.0 6.4 9.6#  
236 25.4 20.1 30.1

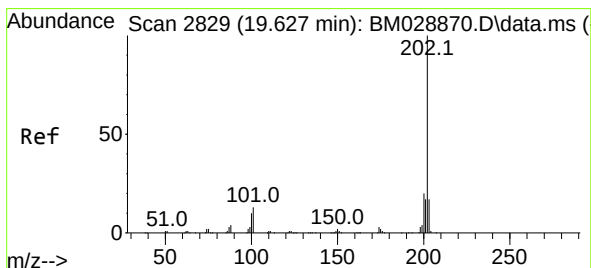
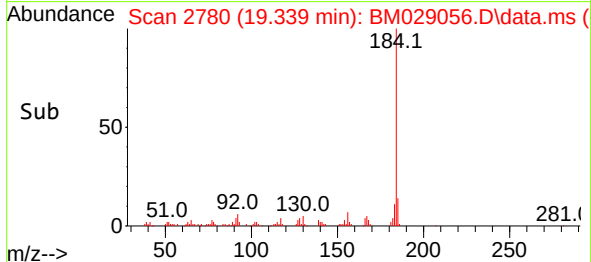
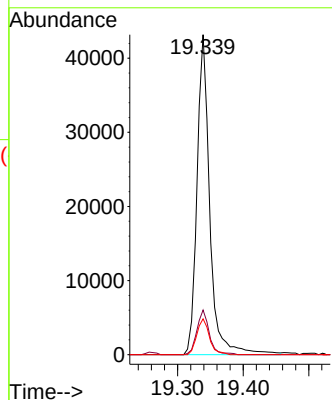
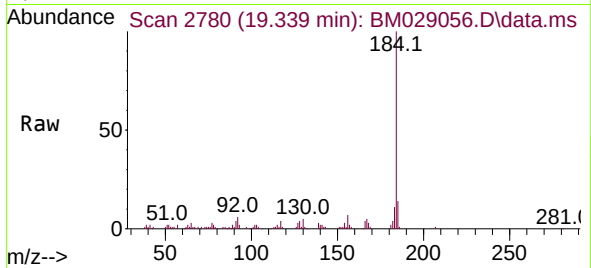




#77  
Benzidine  
Concen: 39.21 ng  
RT: 19.339 min Scan# 2780  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

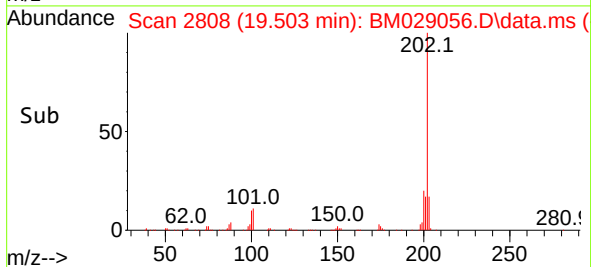
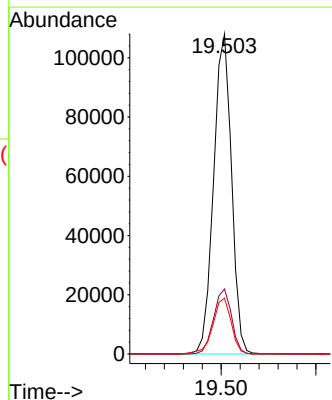
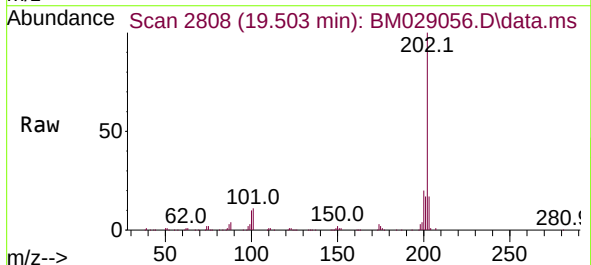
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

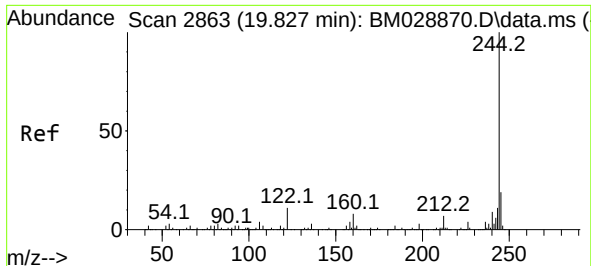
Tgt Ion:184 Resp: 58528  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.0 16.6  
183 11.2 9.7 14.5



#78  
Pyrene  
Concen: 42.56 ng  
RT: 19.503 min Scan# 2808  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:202 Resp: 141624  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.6 24.8  
203 17.4 13.8 20.6

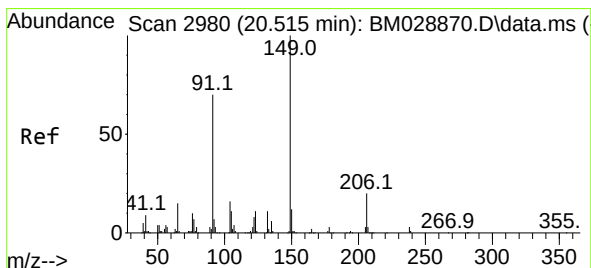
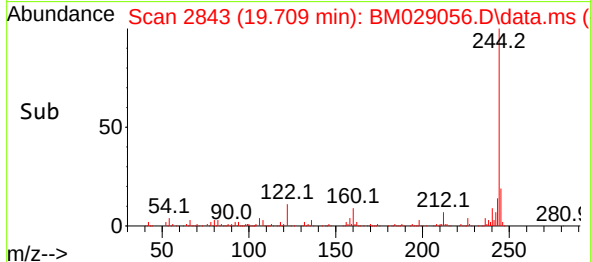
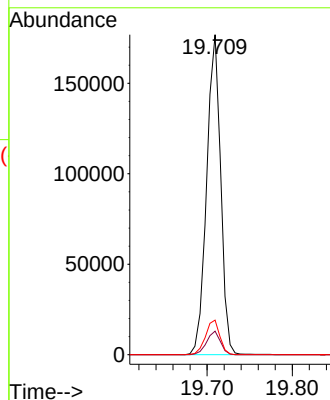
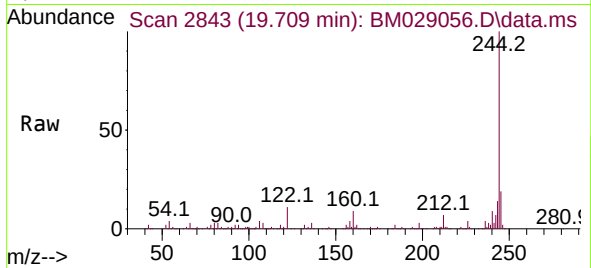




#79  
 Terphenyl-d14  
 Concen: 82.33 ng  
 RT: 19.709 min Scan# 2843  
 Delta R.T. -0.000 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

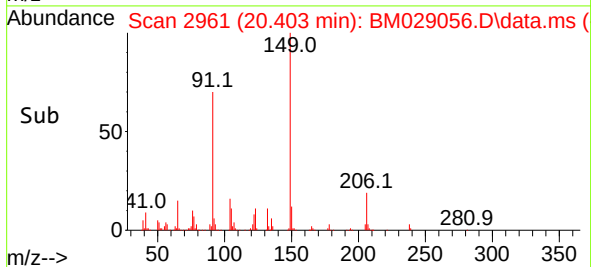
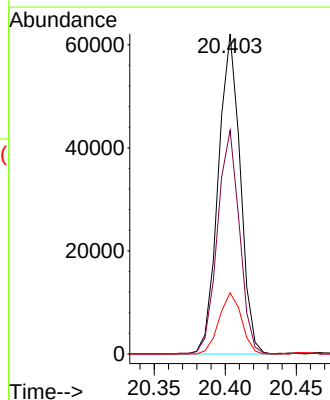
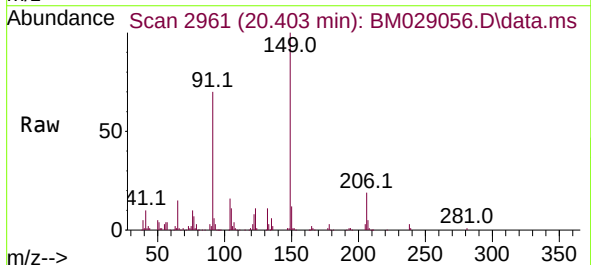
Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD

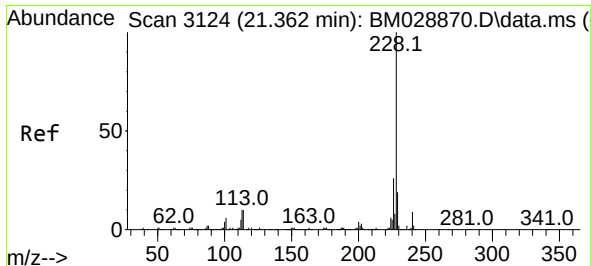
Tgt Ion:244 Resp: 201961  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.8 8.8  
 122 10.8 6.5 9.7#



#80  
 Butylbenzylphthalate  
 Concen: 46.53 ng  
 RT: 20.403 min Scan# 2961  
 Delta R.T. -0.000 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

Tgt Ion:149 Resp: 66645  
 Ion Ratio Lower Upper  
 149 100  
 91 69.9 58.1 87.1  
 206 19.1 18.7 28.1

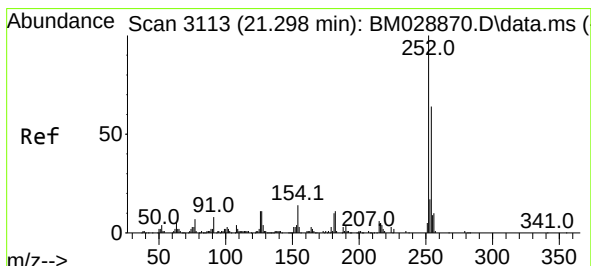
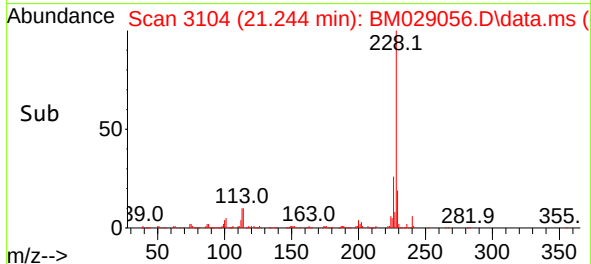
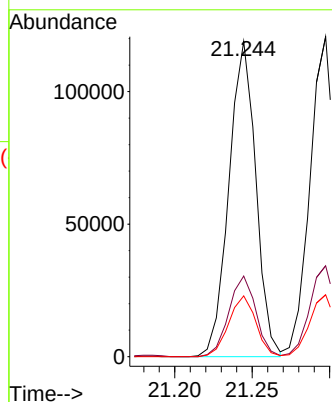
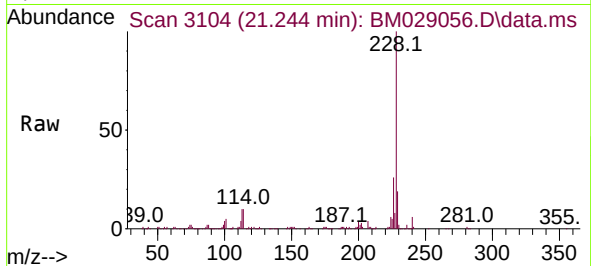




#81  
Benzo(a)anthracene  
Concen: 45.71 ng  
RT: 21.244 min Scan# 3104  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

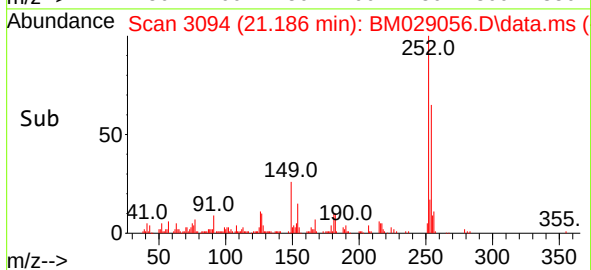
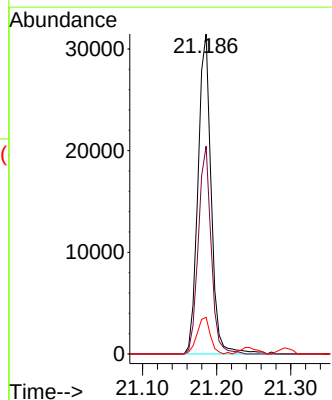
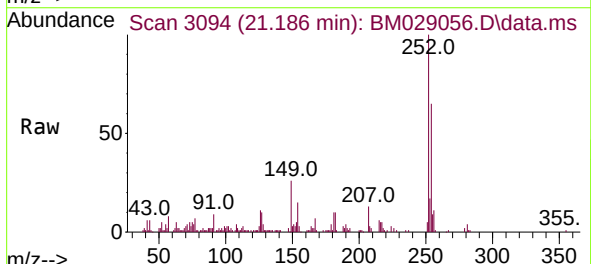
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

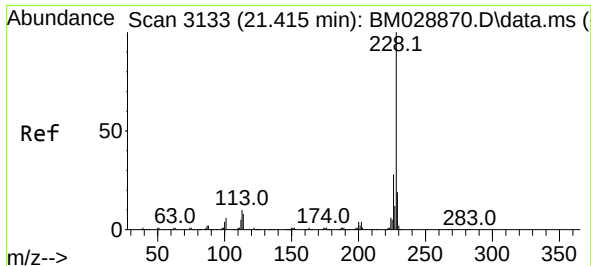
Tgt Ion:228 Resp: 143686  
Ion Ratio Lower Upper  
228 100  
226 25.6 21.1 31.7  
229 19.3 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 35.79 ng  
RT: 21.186 min Scan# 3094  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:252 Resp: 38864  
Ion Ratio Lower Upper  
252 100  
254 64.9 51.4 77.0  
126 11.5 6.8 10.2#

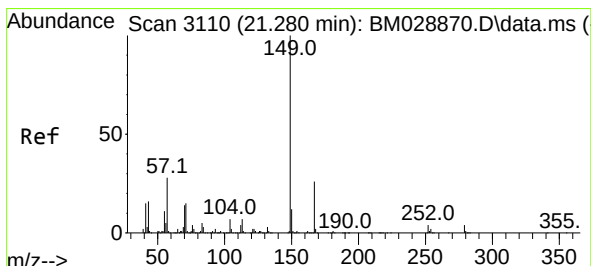
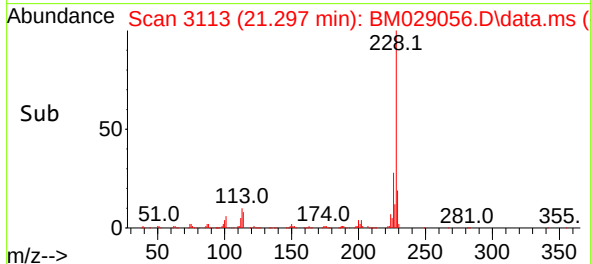
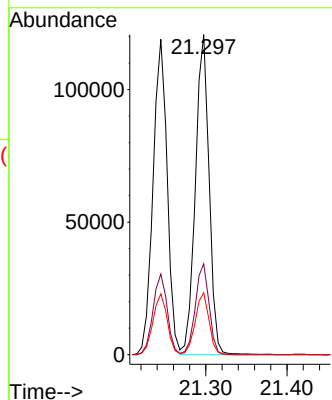
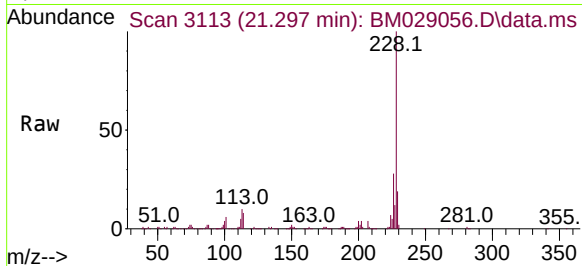




#83  
Chrysene  
Concen: 46.39 ng  
RT: 21.297 min Scan# 3113  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

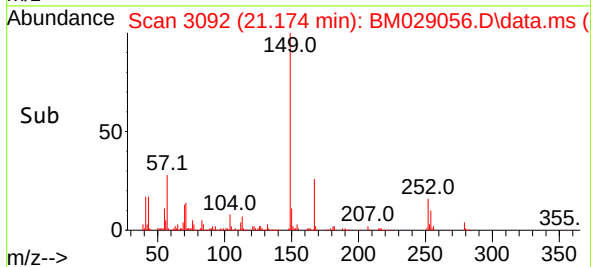
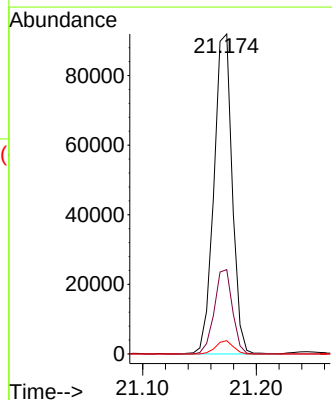
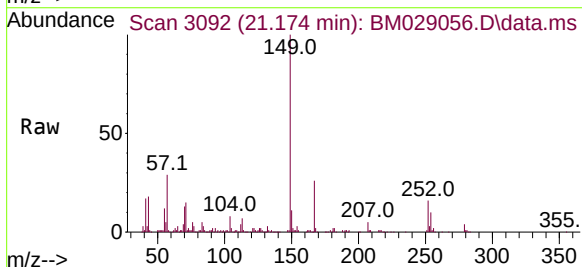
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

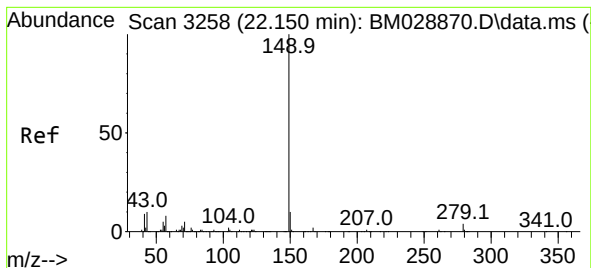
Tgt Ion:228 Resp: 142089  
Ion Ratio Lower Upper  
228 100  
226 28.4 23.4 35.0  
229 19.4 15.7 23.5



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 49.85 ng  
RT: 21.174 min Scan# 3092  
Delta R.T. -0.000 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:149 Resp: 102754  
Ion Ratio Lower Upper  
149 100  
167 26.4 22.7 34.1  
279 4.2 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 52.21 ng

RT: 22.027 min Scan# 3237

Delta R.T. -0.006 min

Lab File: BM029056.D

Acq: 09 Mar 2021 21:19

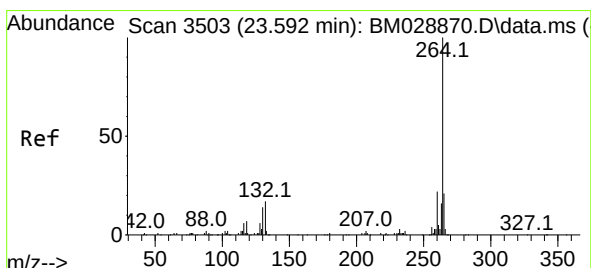
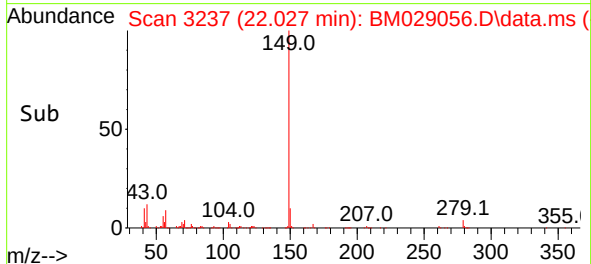
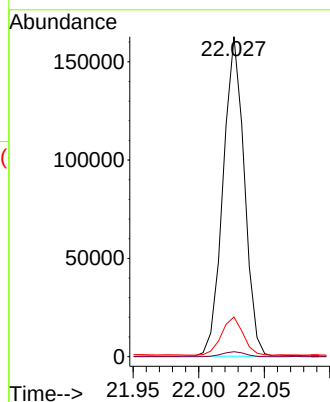
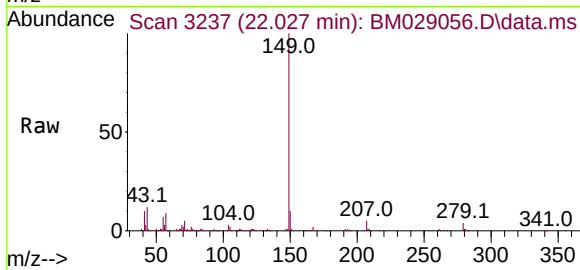
Tgt Ion:149 Resp: 182606

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 12.0 5.8 8.6#



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.415 min Scan# 3473

Delta R.T. -0.006 min

Lab File: BM029056.D

Acq: 09 Mar 2021 21:19

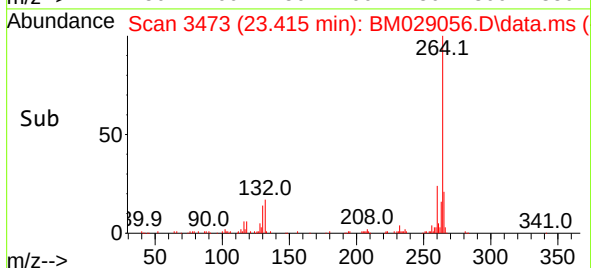
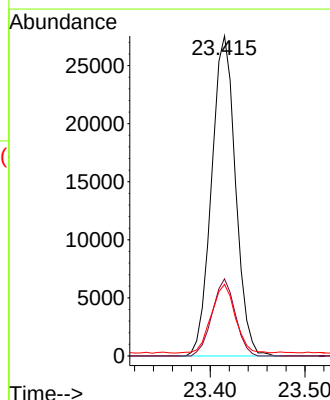
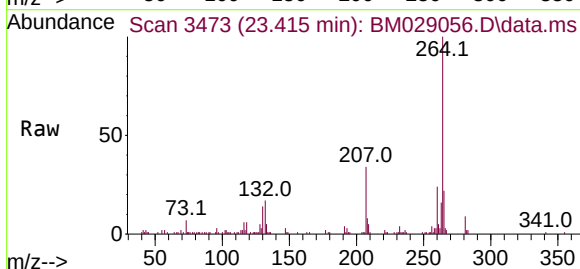
Tgt Ion:264 Resp: 48347

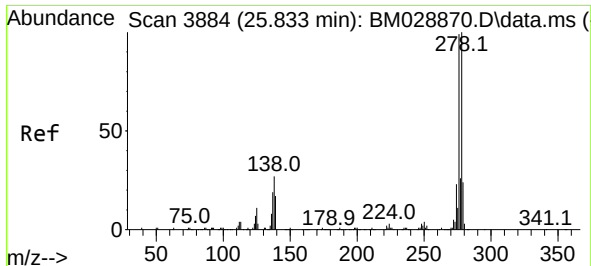
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.3 17.7 26.5

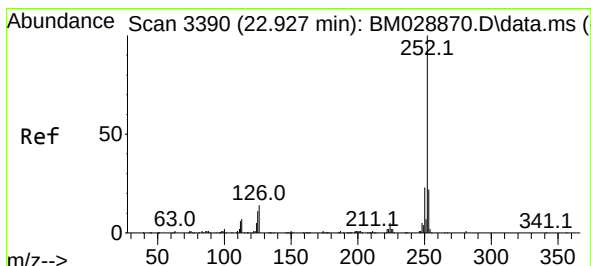
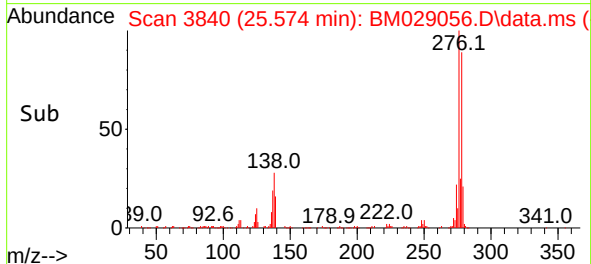
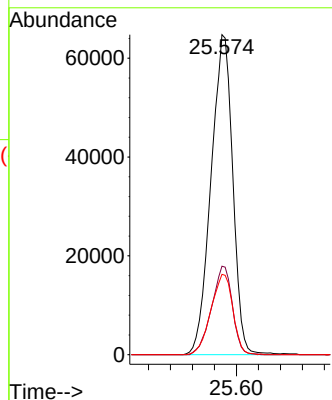
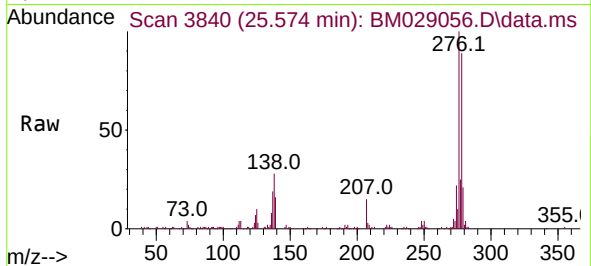




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.67 ng  
 RT: 25.574 min Scan# 3840  
 Delta R.T. -0.012 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

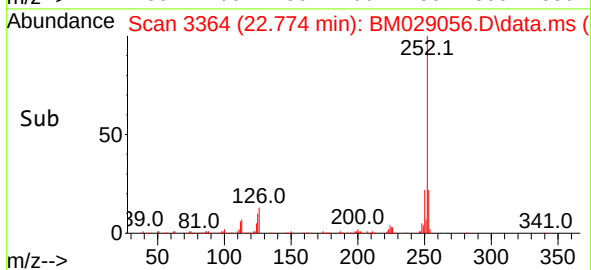
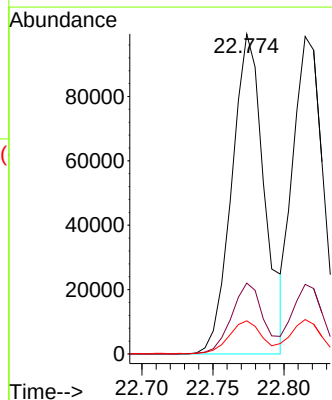
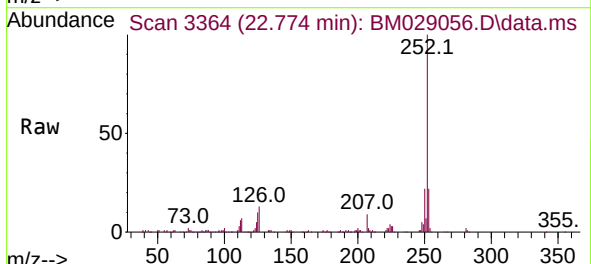
Instrument :  
 BNA\_M  
 ClientSampleId :  
 32-NORTHMSD

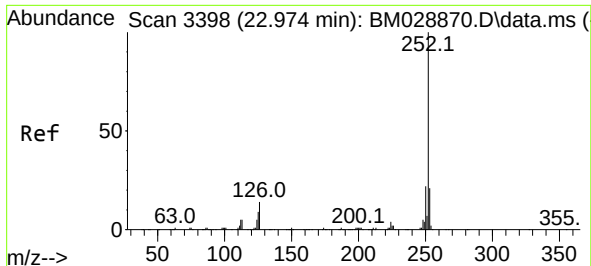
Tgt Ion:276 Resp: 177580  
 Ion Ratio Lower Upper  
 276 100  
 138 26.5 14.2 21.4#  
 277 25.3 19.8 29.8



#88  
 Benzo(b)fluoranthene  
 Concen: 46.53 ng  
 RT: 22.774 min Scan# 3364  
 Delta R.T. -0.006 min  
 Lab File: BM029056.D  
 Acq: 09 Mar 2021 21:19

Tgt Ion:252 Resp: 158904  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.4 26.0  
 125 10.4 5.7 8.5#

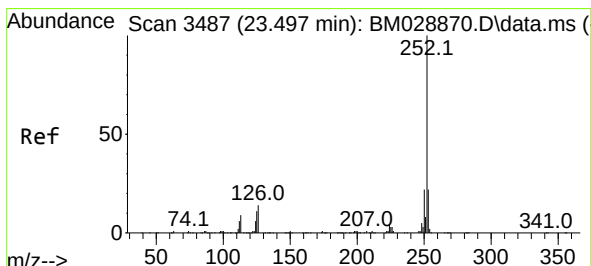
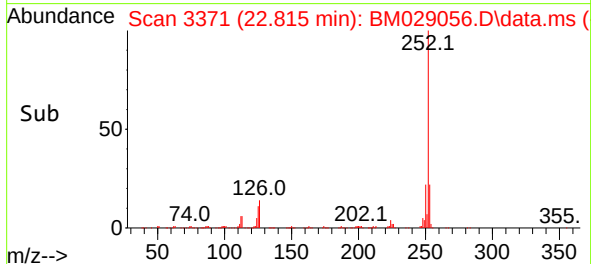
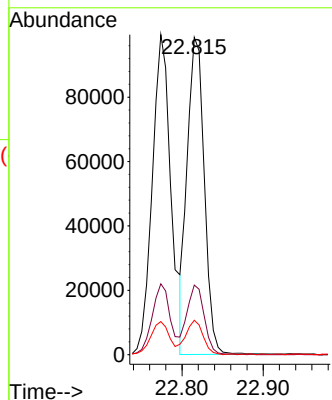
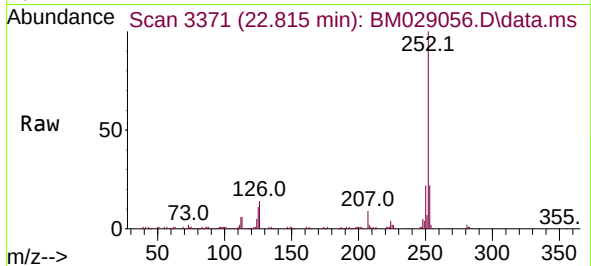




#89  
Benzo(k)fluoranthene  
Concen: 44.51 ng  
RT: 22.815 min Scan# 3371  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

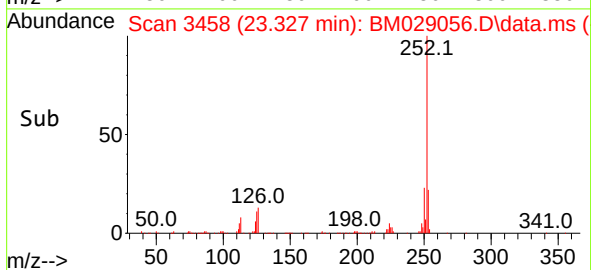
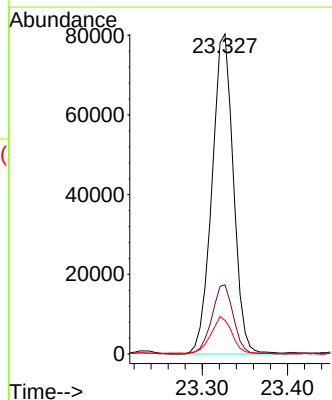
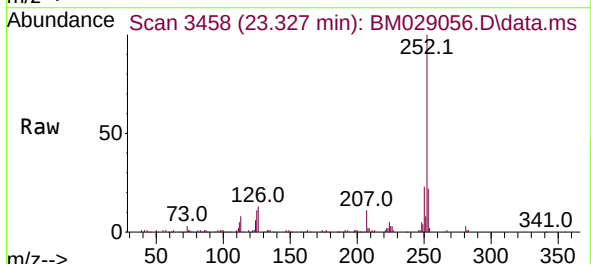
Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

Tgt Ion:252 Resp: 144393  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 10.9 5.6 8.4#

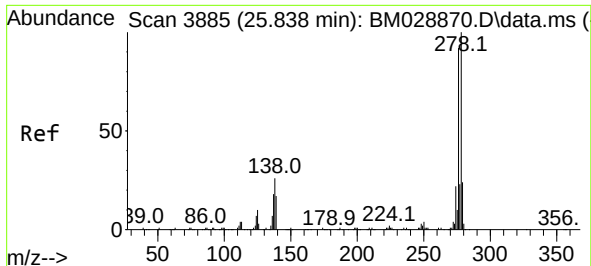


#90  
Benzo(a)pyrene  
Concen: 44.96 ng  
RT: 23.327 min Scan# 3458  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:252 Resp: 140109  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.2  
125 10.5 6.6 9.8#



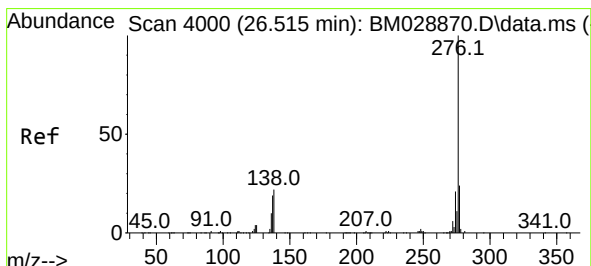
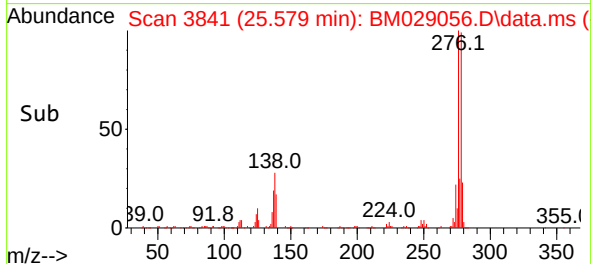
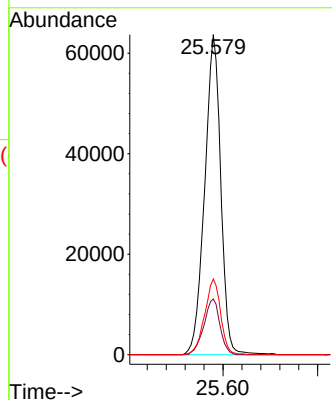
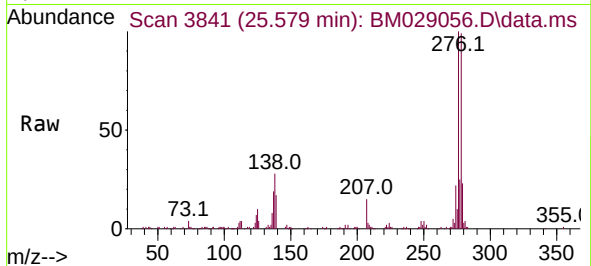




#91  
Dibenzo(a,h)anthracene  
Concen: 47.33 ng  
RT: 25.579 min Scan# 3841  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
32-NORTHMSD

Tgt Ion:278 Resp: 150082  
Ion Ratio Lower Upper  
278 100  
139 17.4 9.0 13.6#  
279 23.6 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 48.09 ng  
RT: 26.232 min Scan# 3952  
Delta R.T. -0.006 min  
Lab File: BM029056.D  
Acq: 09 Mar 2021 21:19

Tgt Ion:276 Resp: 147238  
Ion Ratio Lower Upper  
276 100  
277 24.1 18.6 28.0  
138 23.1 12.2 18.2#

