

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032321\  
 Data File : BF123414.D  
 Acq On : 23 Mar 2021 20:58  
 Operator : JU/CG  
 Sample : M1682-02MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-MANHOLEMSD

Quant Time: Mar 24 00:27:04 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 23 15:58:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.916  | 152  | 262977   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.204  | 136  | 995208   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.963  | 164  | 531135   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 825991   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 14.104 | 240  | 411387   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.609 | 264  | 432125   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 1307114  | 81.31     | ng    | 0.02     |
| 7) Phenol-d6                  | 6.545  | 99   | 1703629  | 79.61     | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 1142472  | 61.96     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 450287   | 75.83     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.280  | 172  | 1974476  | 53.11     | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 1528479  | 62.97     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.828  | 88   | 272608   | 35.26     | ng    | # 68     |
| 3) Pyridine                   | 3.575  | 79   | 738926   | 36.34     | ng    | # 60     |
| 4) n-Nitrosodimethylamine     | 3.522  | 42   | 474619   | 39.02     | ng    | # 68     |
| 6) Aniline                    | 6.575  | 93   | 570667   | 21.79     | ng    | 93       |
| 8) 2-Chlorophenol             | 6.704  | 128  | 751127   | 42.37     | ng    | 91       |
| 9) Benzaldehyde               | 6.463  | 77   | 584146   | Below Cal |       | 94       |
| 10) Phenol                    | 6.557  | 94   | 970478   | 44.18     | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.651  | 93   | 742010   | 42.37     | ng    | 85       |
| 12) 1,3-Dichlorobenzene       | 6.857  | 146  | 766423   | 40.07     | ng    | # 95     |
| 13) 1,4-Dichlorobenzene       | 6.933  | 146  | 761758   | 39.82     | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.086  | 146  | 748250   | 42.11     | ng    | 97       |
| 15) Benzyl Alcohol            | 7.057  | 79   | 693128   | 41.37     | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192  | 45   | 1606821  | 40.88     | ng    | 87       |
| 17) 2-Methylphenol            | 7.169  | 107  | 617127   | 42.34     | ng    | 99       |
| 18) Hexachloroethane          | 7.433  | 117  | 301280   | 42.04     | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.333  | 70   | 558781   | 40.37     | ng    | # 77     |
| 20) 3+4-Methylphenols         | 7.322  | 107  | 719785   | 39.65     | ng    | 93       |
| 22) Acetophenone              | 7.328  | 105  | 1009268  | 40.40     | ng    | # 90     |
| 24) Nitrobenzene              | 7.498  | 77   | 822506   | 40.35     | ng    | # 93     |
| 25) Isophorone                | 7.739  | 82   | 1538025  | 38.80     | ng    | 97       |
| 26) 2-Nitrophenol             | 7.816  | 139  | 378206   | 51.90     | ng    | # 90     |
| 27) 2,4-Dimethylphenol        | 7.851  | 122  | 701844   | 43.31     | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.951  | 93   | 939185   | 43.96     | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.057  | 162  | 623038   | 39.17     | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.145  | 180  | 685882   | 39.53     | ng    | 98       |
| 31) Naphthalene               | 8.228  | 128  | 2063901  | 38.57     | ng    | 99       |
| 32) Benzoic acid              | 7.980  | 122  | 489419   | 51.19     | ng    | 95       |
| 33) 4-Chloroaniline           | 8.263  | 127  | 167315   | 7.62      | ng    | # 95     |
| 34) Hexachlorobutadiene       | 8.345  | 225  | 421433   | 39.82     | ng    | 99       |
| 35) Caprolactam               | 8.651  | 113  | 149203   | 31.19     | ng    | # 35     |
| 36) 4-Chloro-3-methylphenol   | 8.751  | 107  | 642396   | 38.48     | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.916  | 142  | 1429391  | 38.97     | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.016  | 142  | 1319826  | 38.33     | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.086  | 216  | 628979   | 39.80     | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.075  | 237  | 645095   | 73.10     | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.192  | 196  | 434160   | 39.23     | ng    | 97       |

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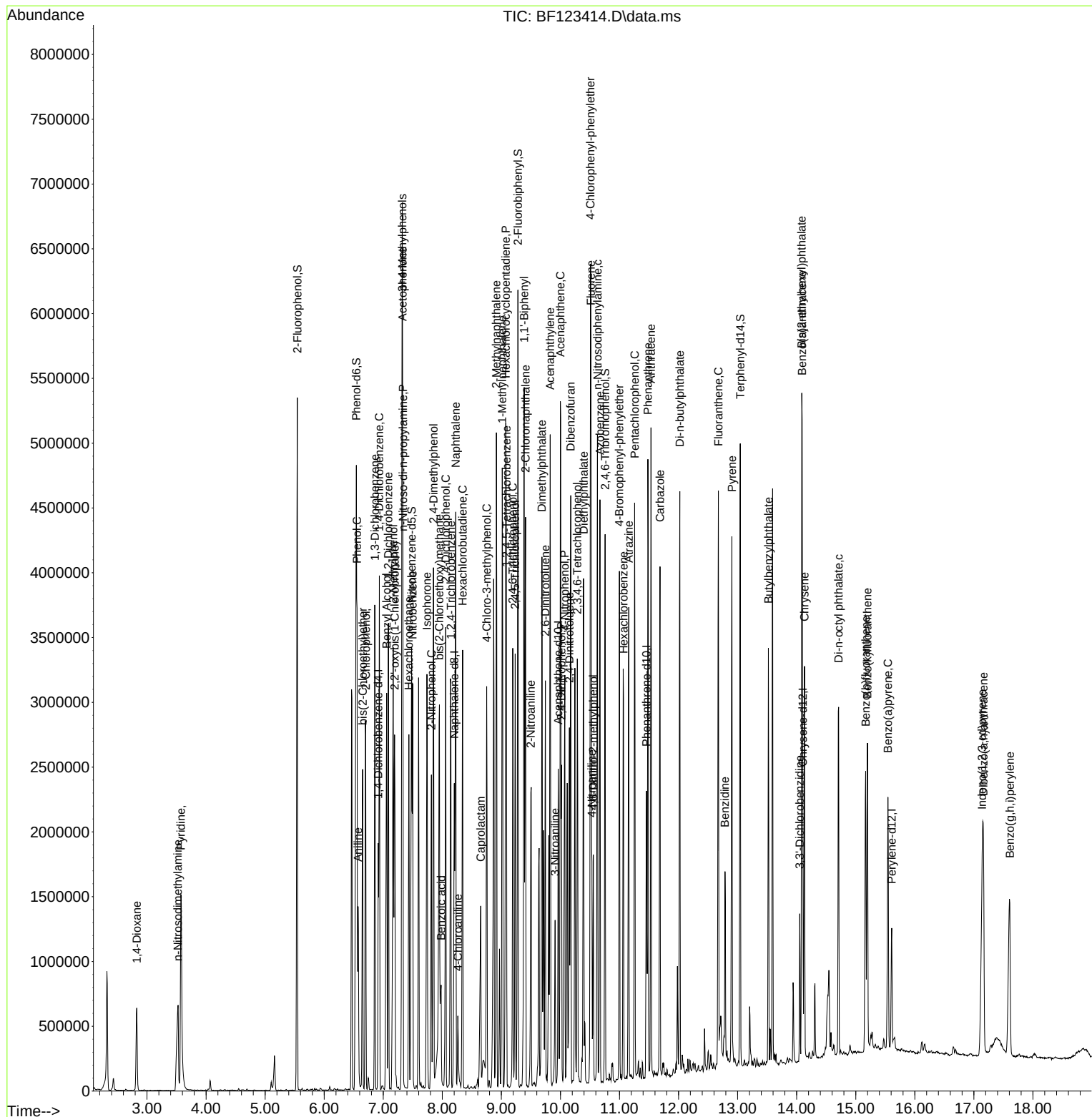
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-MANHOLEMSD

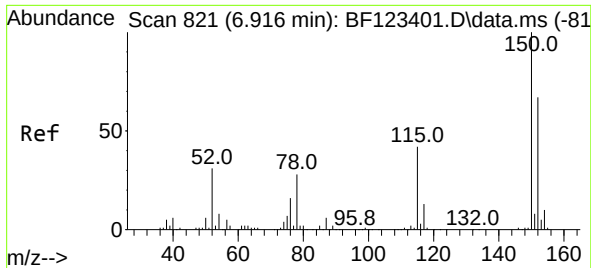
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.233  | 196  | 447055   | 38.44 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.386  | 154  | 1662764  | 40.62 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.410  | 162  | 1249344  | 37.41 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.498  | 65   | 458855   | 45.28 | ng #  | 70       |
| 49) Acenaphthylene            | 9.827  | 152  | 2063557  | 39.51 | ng    | 100      |
| 50) Dimethylphthalate         | 9.686  | 163  | 1542917  | 40.90 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.745  | 165  | 328593   | 41.70 | ng #  | 75       |
| 52) Acenaphthene              | 9.998  | 154  | 1340894  | 41.13 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.910  | 138  | 159528   | 19.17 | ng    | 83       |
| 54) 2,4-Dinitrophenol         | 10.016 | 184  | 269610   | 72.77 | ng #  | 86       |
| 55) Dibenzofuran              | 10.174 | 168  | 1698878  | 36.24 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.074 | 139  | 469924   | 70.01 | ng #  | 69       |
| 57) 2,4-Dinitrotoluene        | 10.151 | 165  | 437101   | 44.44 | ng    | 91       |
| 58) Fluorene                  | 10.516 | 166  | 1274389  | 36.01 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.286 | 232  | 355314   | 37.43 | ng #  | 92       |
| 60) Diethylphthalate          | 10.392 | 149  | 1447550  | 39.31 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.510 | 204  | 638920   | 36.94 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.533 | 138  | 278617   | 35.33 | ng    | 100      |
| 63) Azobenzene                | 10.669 | 77   | 1446896  | 35.70 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198  | 177370   | 40.78 | ng #  | 76       |
| 66) n-Nitrosodiphenylamine    | 10.627 | 169  | 1142597  | 41.28 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248  | 417245   | 42.65 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.069 | 284  | 446579   | 41.42 | ng    | 97       |
| 69) Atrazine                  | 11.157 | 200  | 398062   | 45.25 | ng    | 98       |
| 70) Pentachlorophenol         | 11.257 | 266  | 497252   | 77.30 | ng    | 100      |
| 71) Phenanthrene              | 11.480 | 178  | 1844675  | 40.40 | ng    | 100      |
| 72) Anthracene                | 11.533 | 178  | 1801218  | 39.22 | ng    | 100      |
| 73) Carbazole                 | 11.686 | 167  | 1530220  | 35.27 | ng    | 98       |
| 74) Di-n-butylphthalate       | 12.021 | 149  | 2056227  | 41.63 | ng    | 100      |
| 75) Fluoranthene              | 12.674 | 202  | 1743296  | 35.26 | ng    | 98       |
| 77) Benzidine                 | 12.786 | 184  | 544933   | 44.47 | ng    | 99       |
| 78) Pyrene                    | 12.904 | 202  | 1694128  | 47.74 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.521 | 149  | 663177   | 50.39 | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.092 | 228  | 1122307  | 41.68 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.051 | 252  | 223632   | 25.53 | ng #  | 97       |
| 83) Chrysene                  | 14.133 | 228  | 1123676  | 40.42 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.086 | 149  | 790618   | 45.63 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.709 | 149  | 1318173  | 48.13 | ng #  | 89       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.139 | 276  | 1354503  | 50.44 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.168 | 252  | 1141941  | 38.30 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.198 | 252  | 1008697  | 35.79 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.545 | 252  | 1012548  | 39.35 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.162 | 278  | 1098946  | 48.21 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.609 | 276  | 1124886  | 49.29 | ng    | 97       |

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

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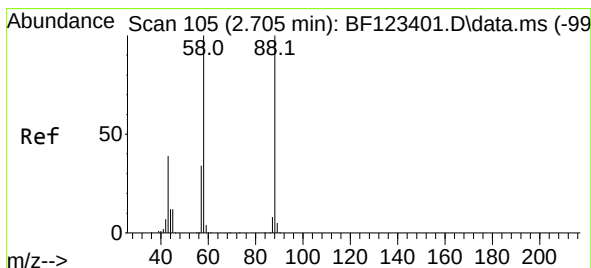
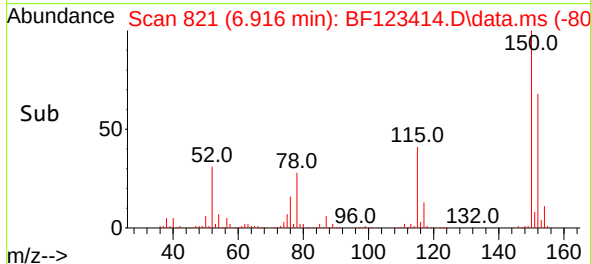
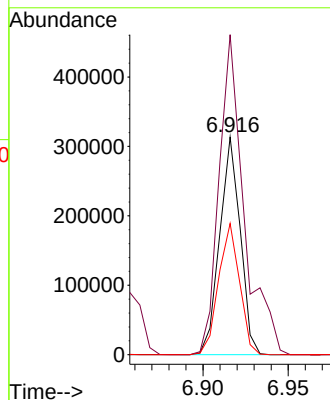
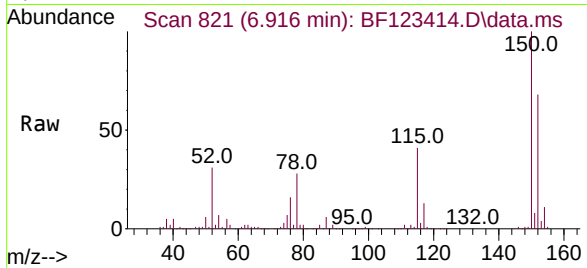




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.916 min Scan# 821  
 Delta R.T. -0.000 min  
 Lab File: BF123414.D  
 Acq: 23 Mar 2021 20:58

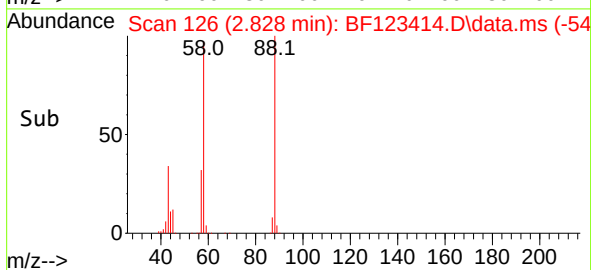
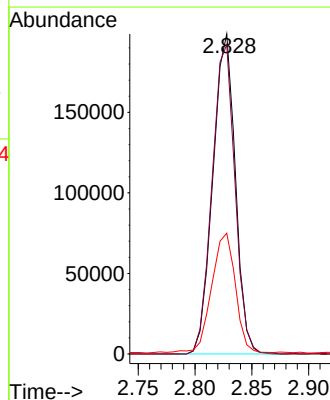
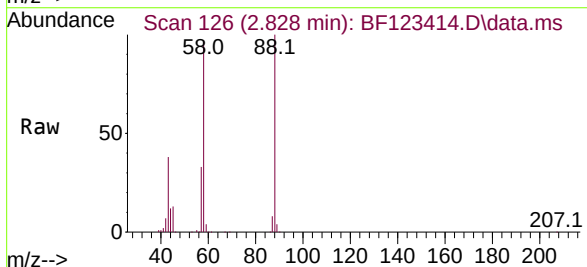
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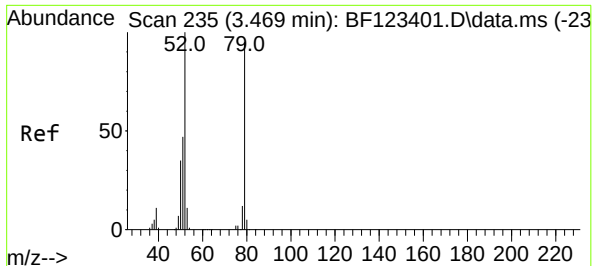
Tgt Ion:152 Resp: 262977  
 Ion Ratio Lower Upper  
 152 100  
 150 147.0 125.8 188.6  
 115 60.3 49.3 73.9



#2  
 1,4-Dioxane  
 Concen: 35.26 ng  
 RT: 2.828 min Scan# 126  
 Delta R.T. 0.123 min  
 Lab File: BF123414.D  
 Acq: 23 Mar 2021 20:58

Tgt Ion: 88 Resp: 272608  
 Ion Ratio Lower Upper  
 88 100  
 58 98.8 56.2 84.2#  
 43 40.1 21.8 32.6#

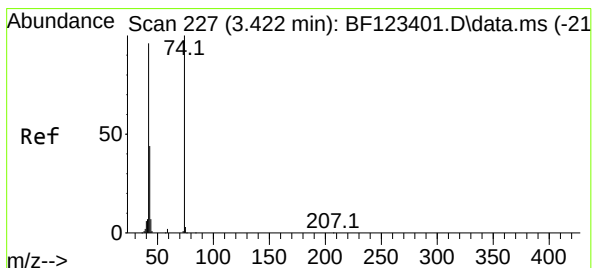
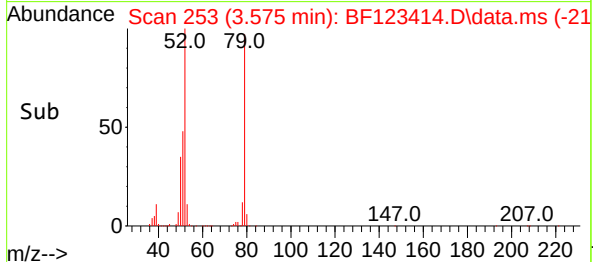
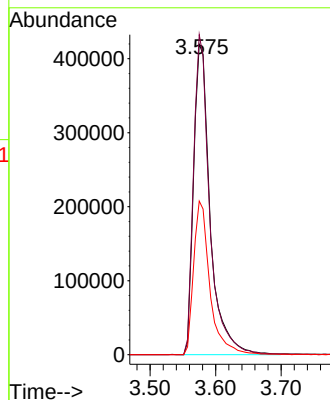
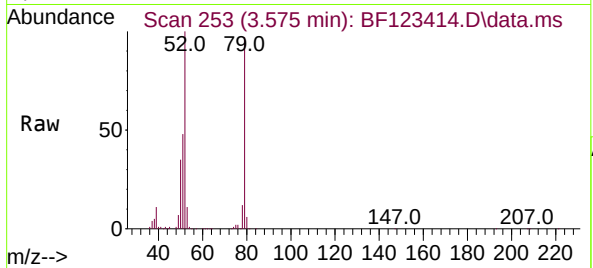




#3  
Pyridine  
Concen: 36.34 ng  
RT: 3.575 min Scan# 253  
Delta R.T. 0.106 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

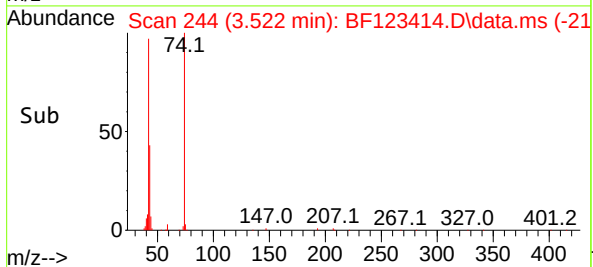
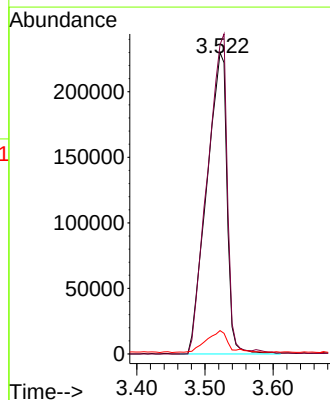
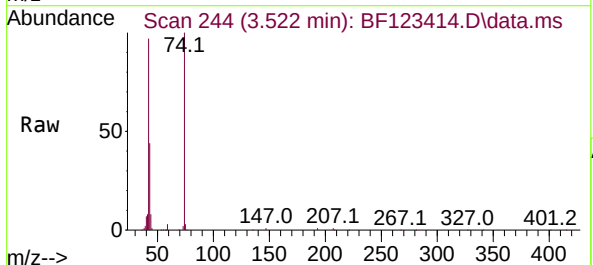
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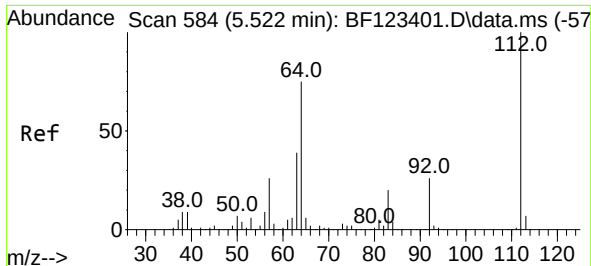
Tgt Ion: 79 Resp: 738926  
Ion Ratio Lower Upper  
79 100  
52 103.1 53.0 79.4#  
51 49.5 26.6 39.8#



#4  
n-Nitrosodimethylamine  
Concen: 39.02 ng  
RT: 3.522 min Scan# 244  
Delta R.T. 0.100 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion: 42 Resp: 474619  
Ion Ratio Lower Upper  
42 100  
74 102.6 115.2 172.8#  
44 7.7 5.4 8.0

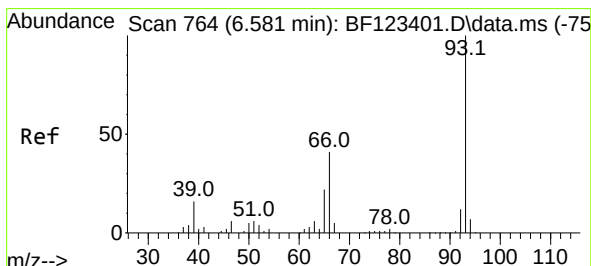
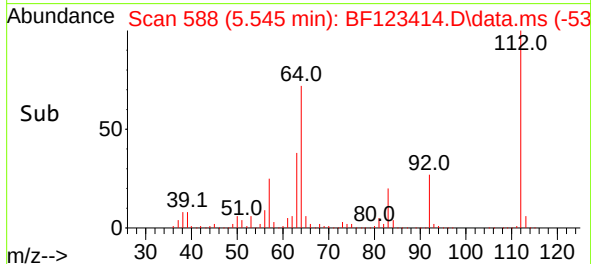
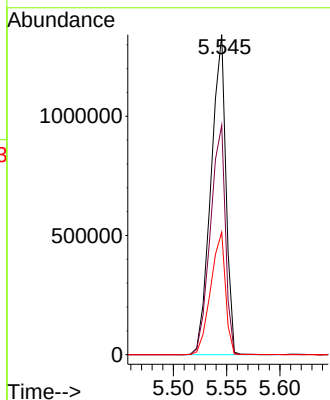
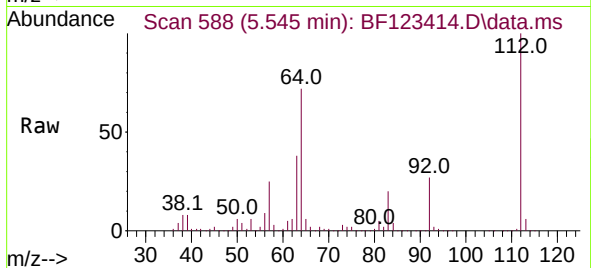




#5  
2-Fluorophenol  
Concen: 81.31 ng  
RT: 5.545 min Scan# 588  
Delta R.T. 0.023 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

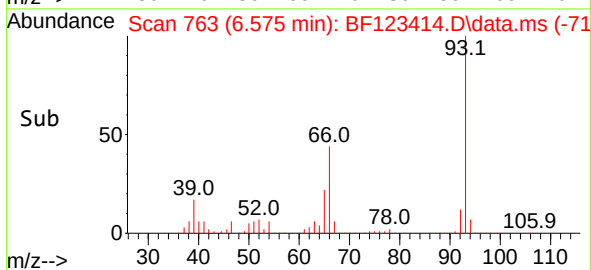
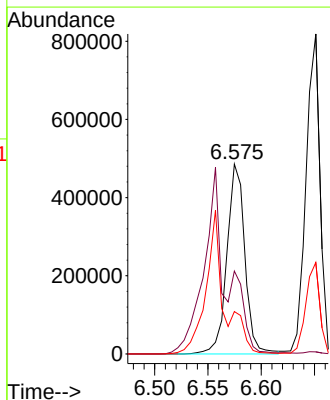
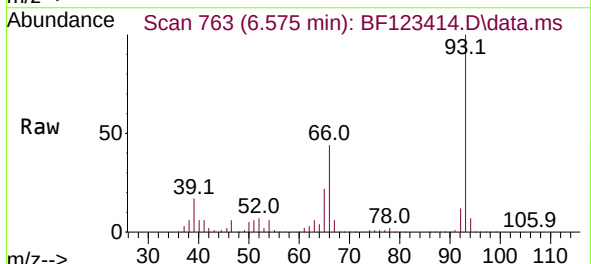
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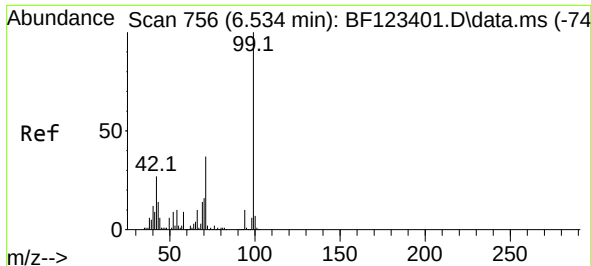
Tgt Ion:112 Resp: 1307114  
Ion Ratio Lower Upper  
112 100  
64 71.7 46.9 70.3#  
63 38.3 24.5 36.7#



#6  
Aniline  
Concen: 21.79 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion: 93 Resp: 570667  
Ion Ratio Lower Upper  
93 100  
66 43.6 31.3 46.9  
65 22.3 15.6 23.4

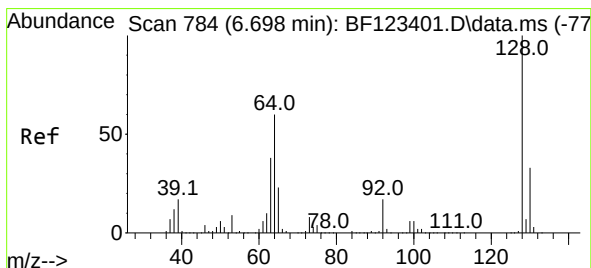
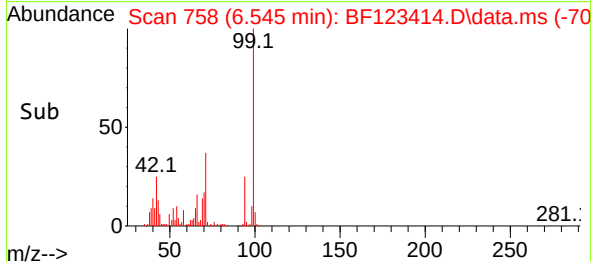
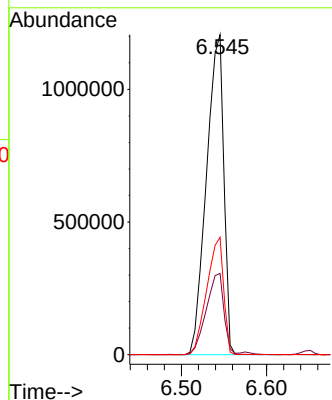
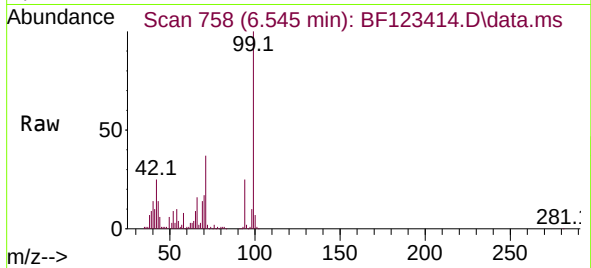




#7  
Phenol-d6  
Concen: 79.61 ng  
RT: 6.545 min Scan# 758  
Delta R.T. 0.012 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

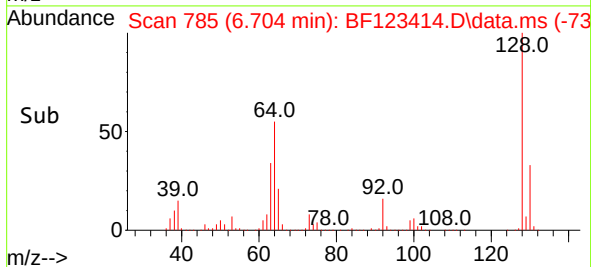
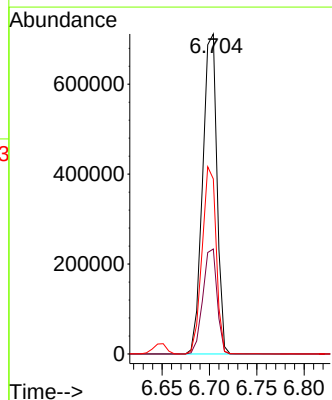
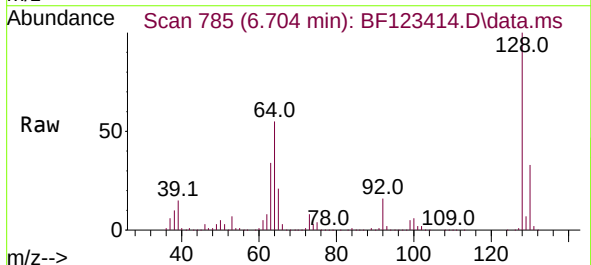
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ClientSampleId :  
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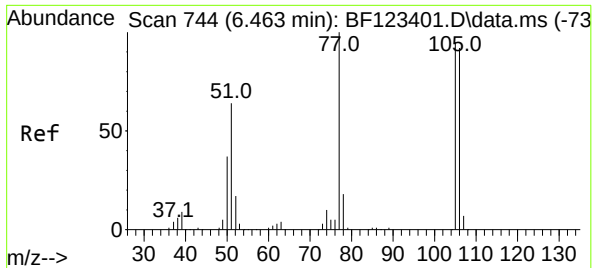
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Ion Ratio Lower Upper  
99 100  
42 25.4 13.8 20.6#  
71 36.6 26.9 40.3



#8  
2-Chlorophenol  
Concen: 42.37 ng  
RT: 6.704 min Scan# 785  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
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Tgt Ion:128 Resp: 751127  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.3 52.3  
64 54.7 25.5 65.5

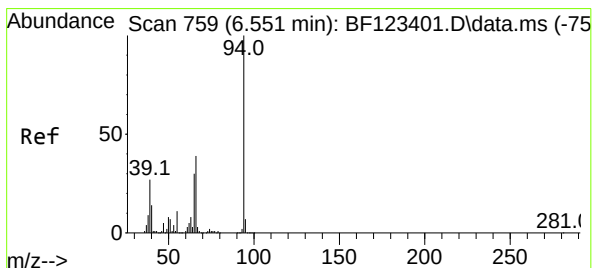
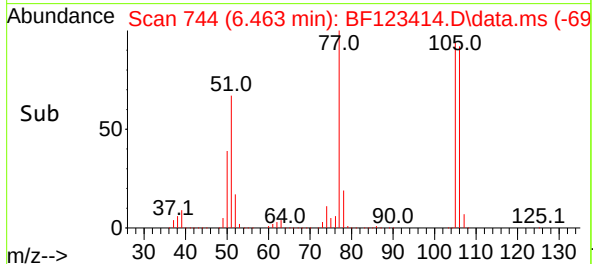
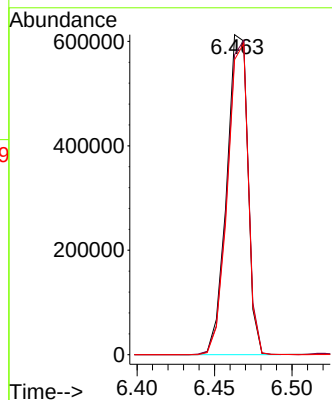
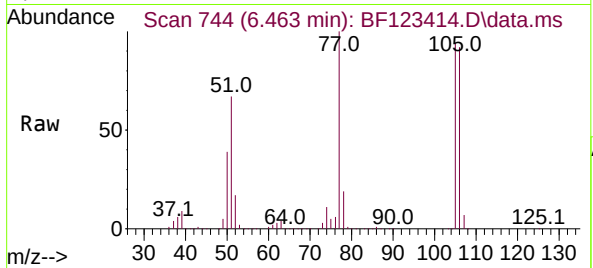




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.463 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

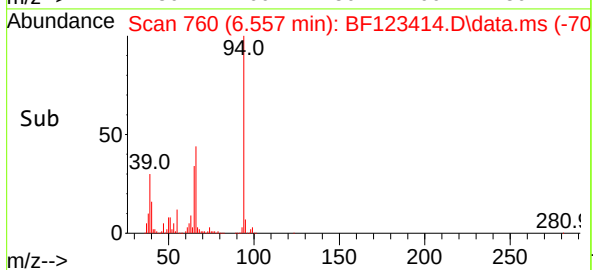
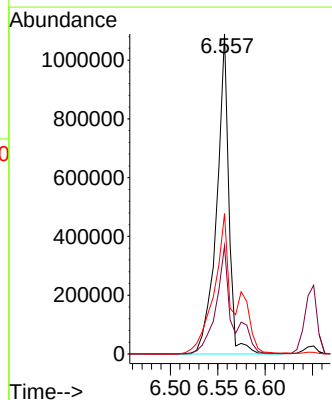
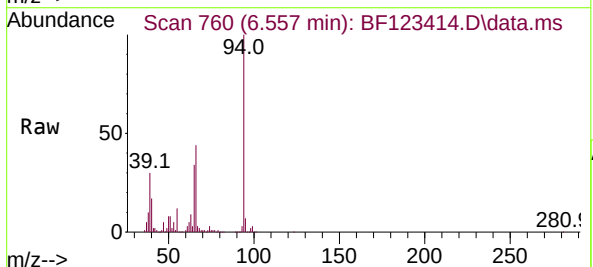
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion: 77 Resp: 584146  
Ion Ratio Lower Upper  
77 100  
105 93.8 80.6 120.6  
106 92.2 77.2 117.2

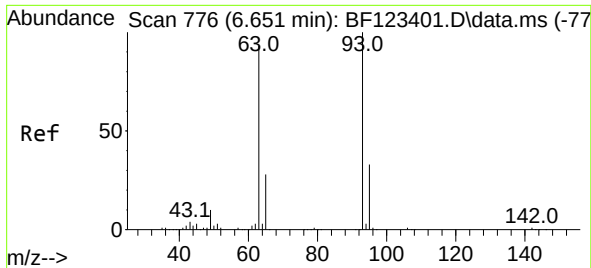


#10  
Phenol  
Concen: 44.18 ng  
RT: 6.557 min Scan# 760  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion: 94 Resp: 970478  
Ion Ratio Lower Upper  
94 100  
65 33.8 11.2 51.2  
66 43.8 25.8 65.8



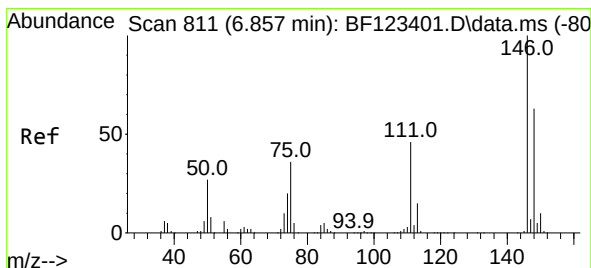
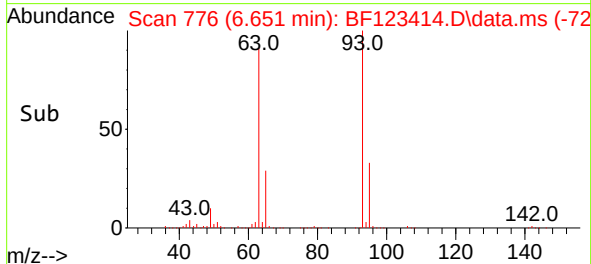
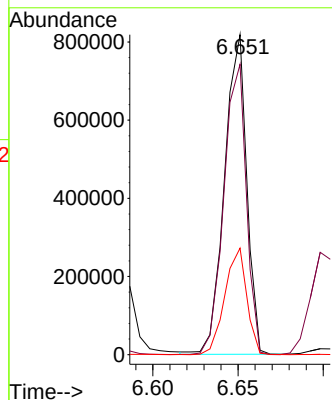
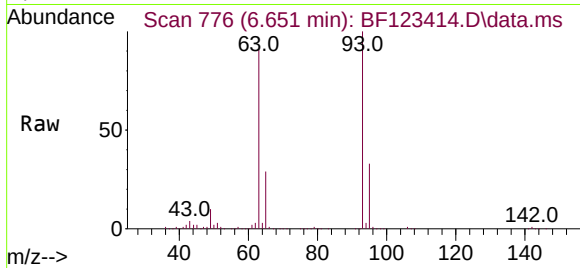




#11  
bis(2-Chloroethyl)ether  
Concen: 42.37 ng  
RT: 6.651 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

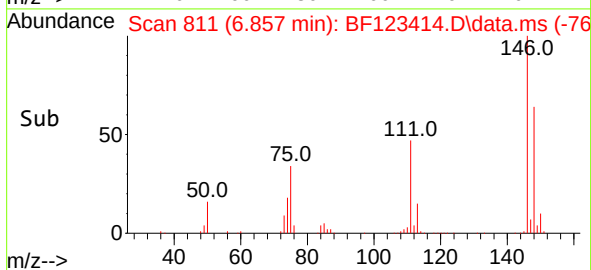
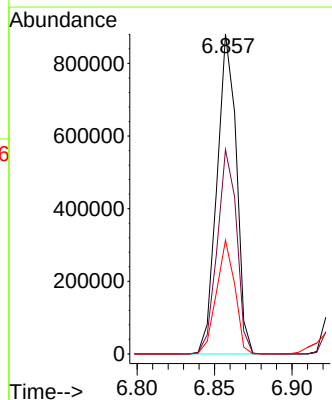
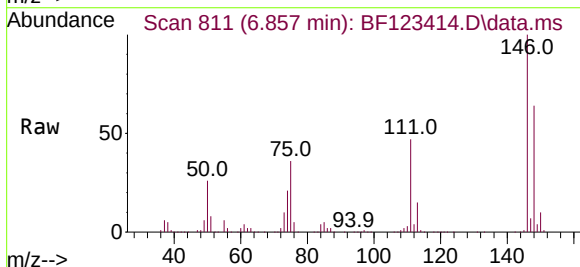
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

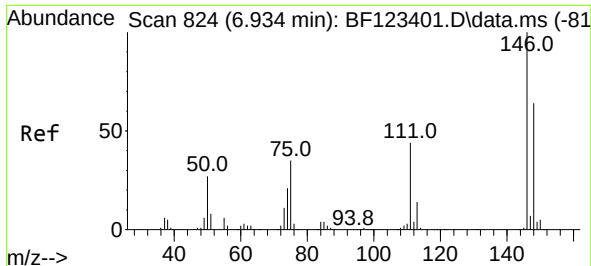
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 742010 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 90.8  | 52.6  | 92.6   |
| 95       | 33.3  | 12.6  | 52.6   |



#12  
1,3-Dichlorobenzene  
Concen: 40.07 ng  
RT: 6.857 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 766423 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.8  | 51.8  | 77.8   |
| 75       | 35.5  | 22.5  | 33.7#  |

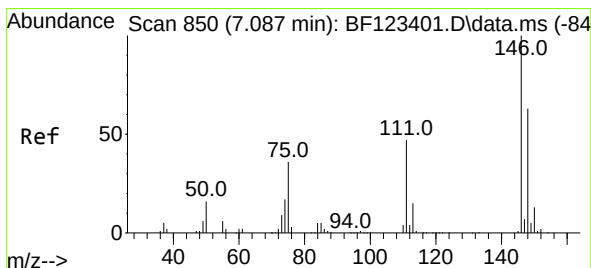
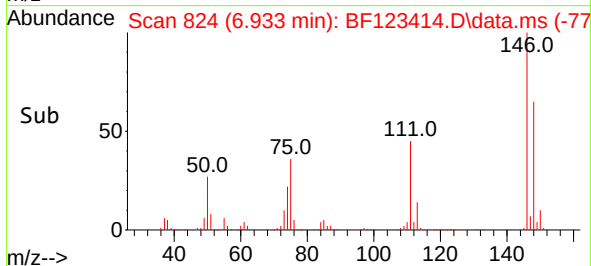
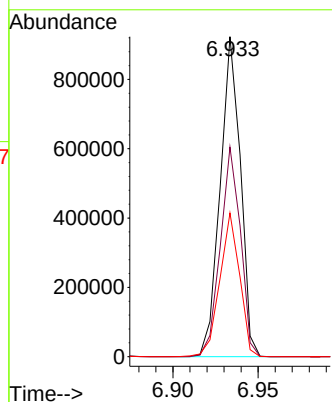
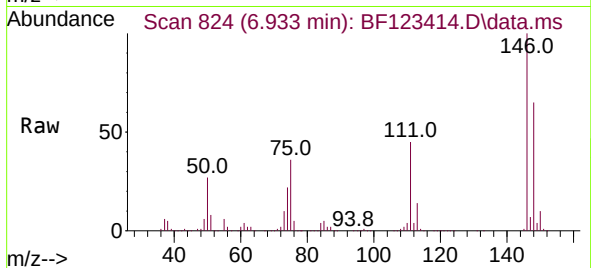




#13  
1,4-Dichlorobenzene  
Concen: 39.82 ng  
RT: 6.933 min Scan# 824  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

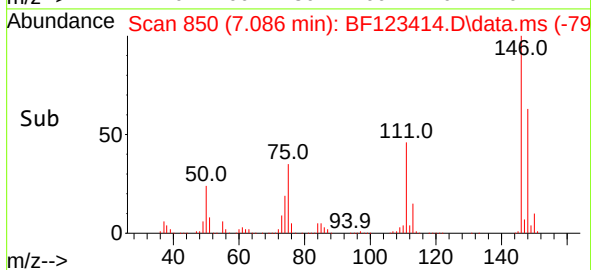
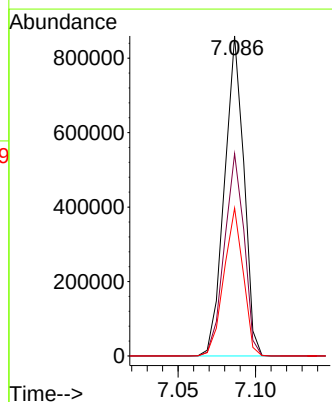
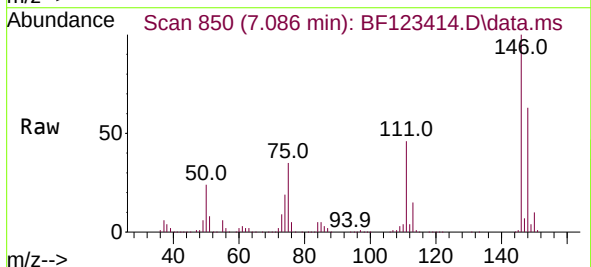
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

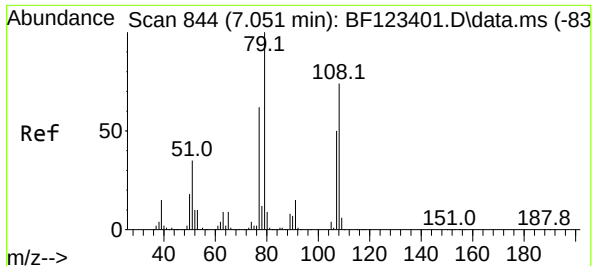
Tgt Ion:146 Resp: 761758  
Ion Ratio Lower Upper  
146 100  
148 65.5 52.0 78.0  
111 44.9 32.3 48.5



#14  
1,2-Dichlorobenzene  
Concen: 42.11 ng  
RT: 7.086 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:146 Resp: 748250  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.5 77.3  
111 46.2 34.2 51.2





#15

Benzyl Alcohol

Concen: 41.37 ng

RT: 7.057 min Scan# 845

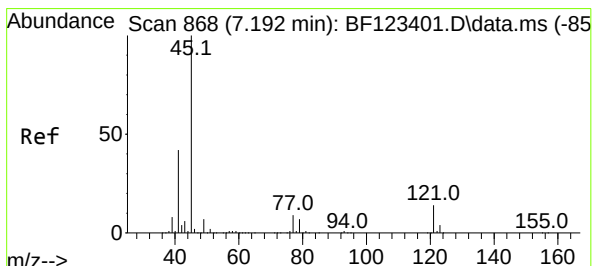
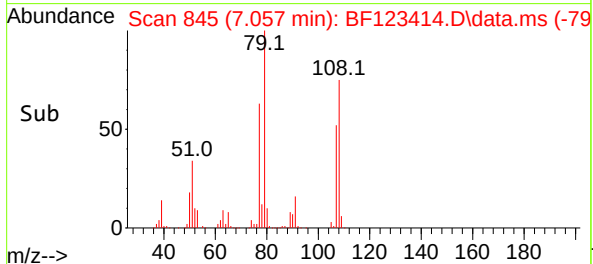
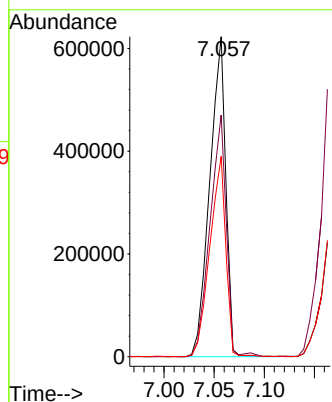
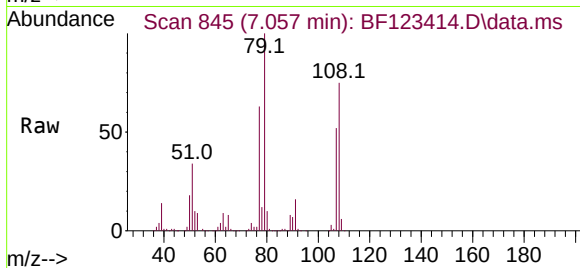
Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion: 79 Resp: 693128

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 75.5  | 62.4  | 93.6  |
| 77  | 62.6  | 49.0  | 73.6  |



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.88 ng

RT: 7.192 min Scan# 868

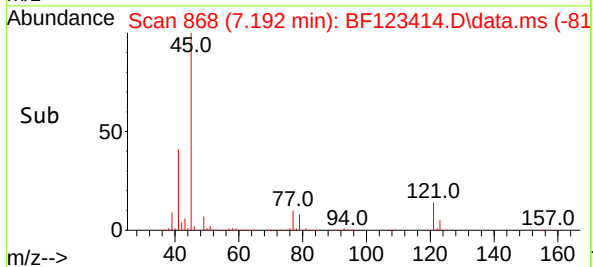
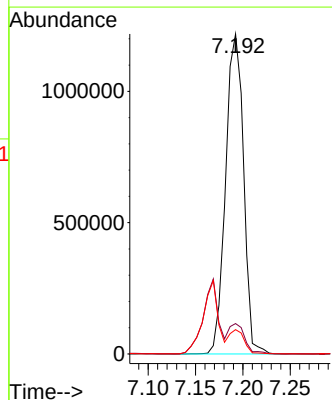
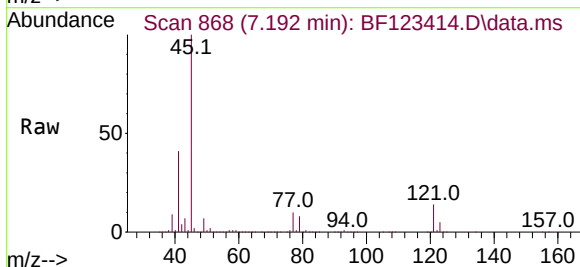
Delta R.T. -0.000 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion: 45 Resp: 1606821

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 9.5   | 0.0   | 35.6  |
| 79  | 7.6   | 0.0   | 32.4  |

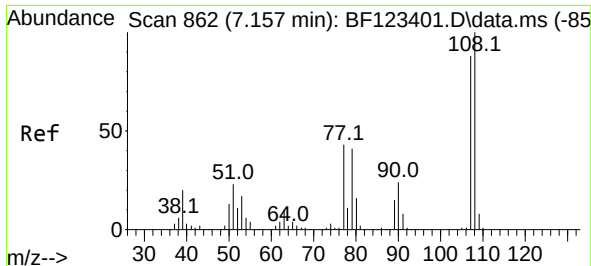


Instrument :

BNA\_F

ClientSampleId :

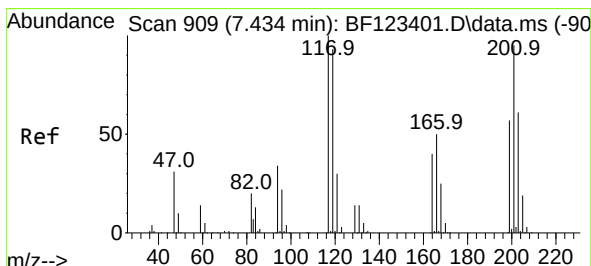
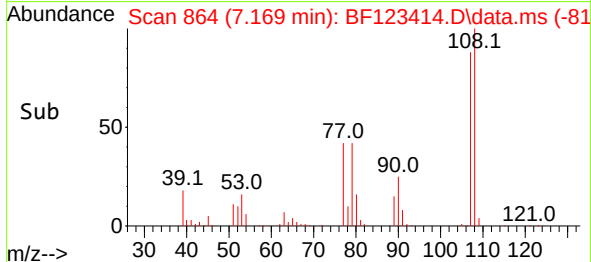
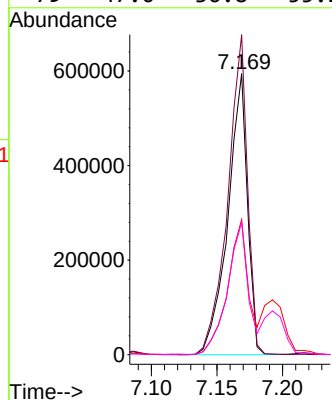
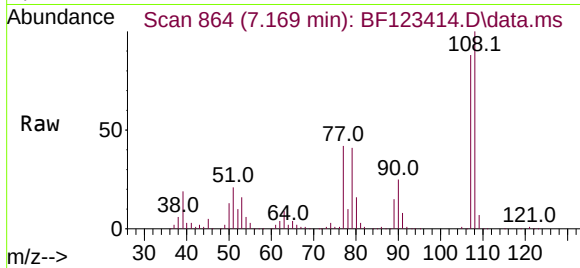
SP-MANHOLEMSD



#17  
2-Methylphenol  
Concen: 42.34 ng  
RT: 7.169 min Scan# 864  
Delta R.T. 0.012 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

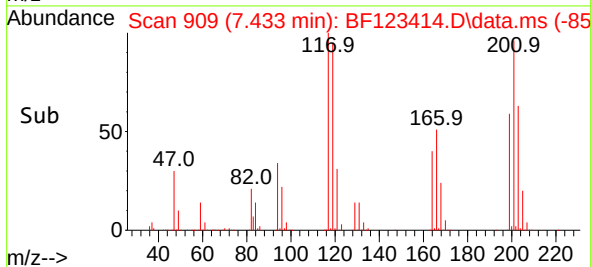
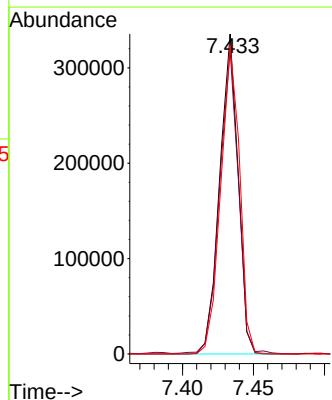
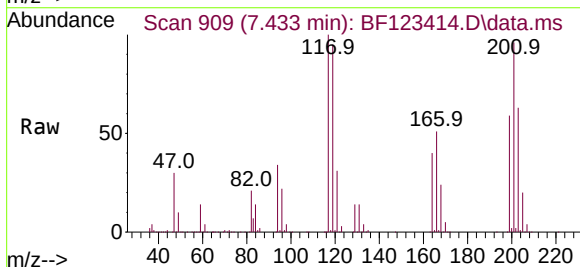
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

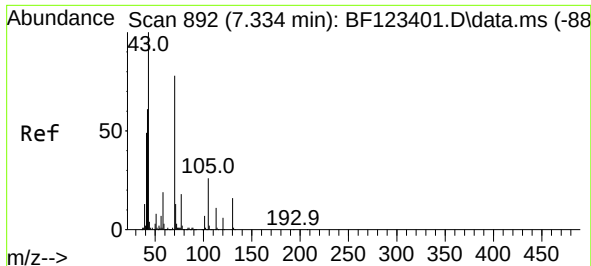
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 617127 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.9 | 91.1  | 136.7  |
| 77       | 48.0  | 36.3  | 54.5   |
| 79       | 47.0  | 36.8  | 55.2   |



#18  
Hexachloroethane  
Concen: 42.04 ng  
RT: 7.433 min Scan# 909  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 301280 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.8  | 78.4  | 117.6  |
| 201      | 96.5  | 79.6  | 119.4  |

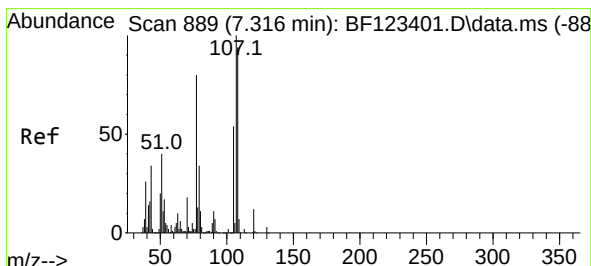
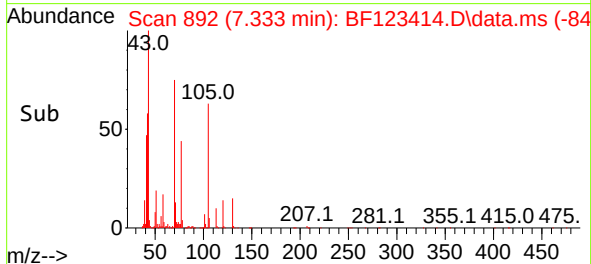
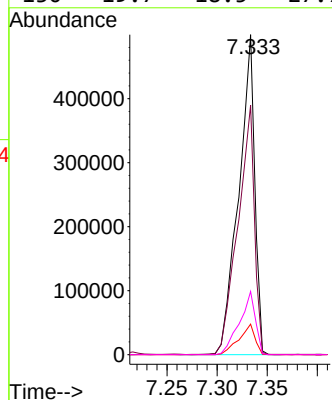
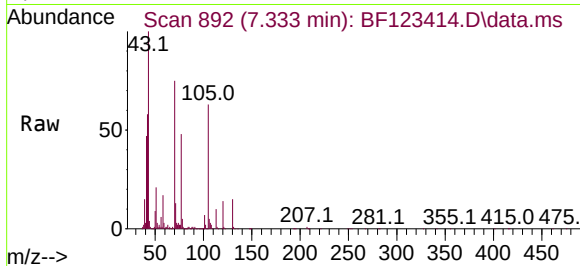




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.37 ng  
RT: 7.333 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

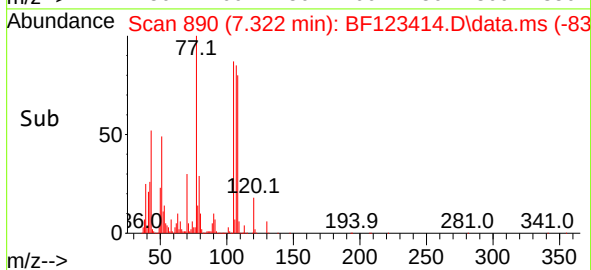
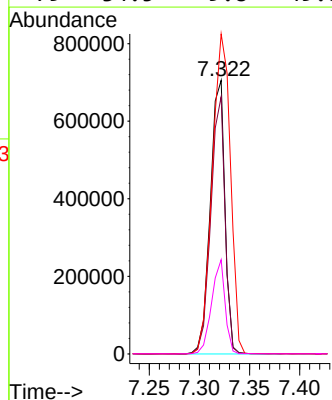
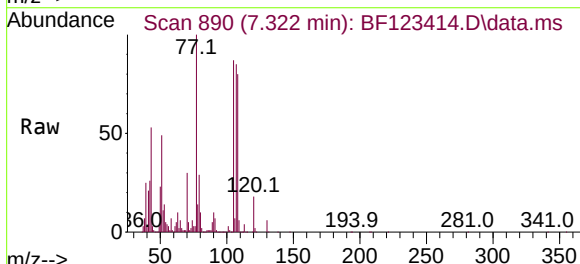
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

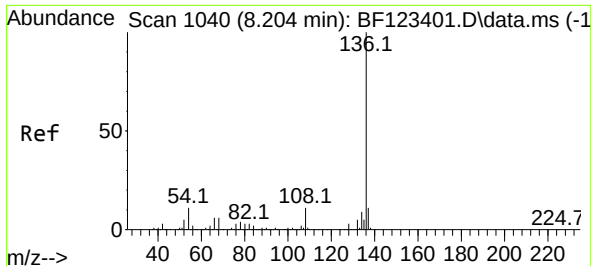
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 558781 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 78.0  | 43.0  | 64.4#  |
| 101      | 9.5   | 7.9   | 11.9   |
| 130      | 19.7  | 18.5  | 27.7   |



#20  
3+4-Methylphenols  
Concen: 39.65 ng  
RT: 7.322 min Scan# 890  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 719785 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 94.0  | 68.7  | 108.7  |
| 77       | 117.0 | 89.8  | 129.8  |
| 79       | 34.5  | 9.8   | 49.8   |

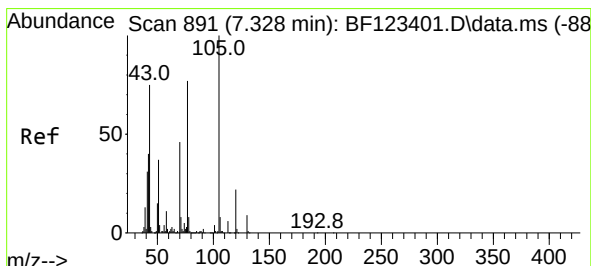
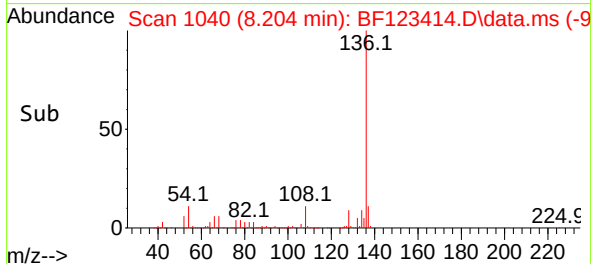
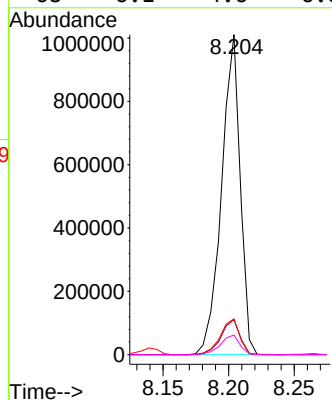
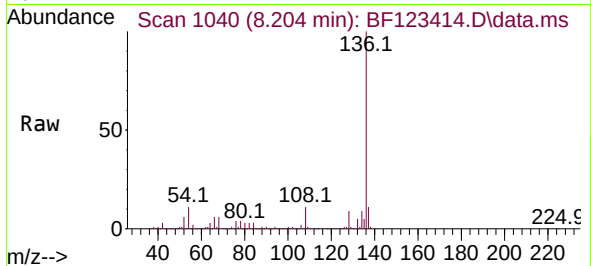




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

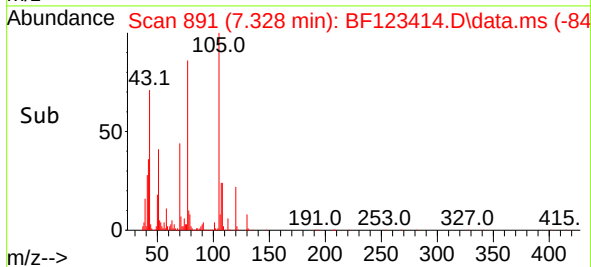
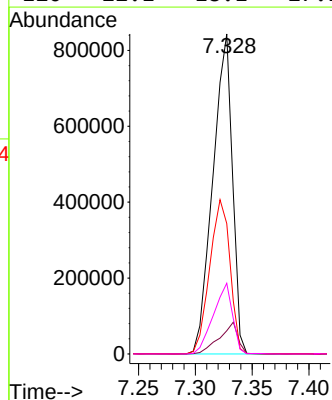
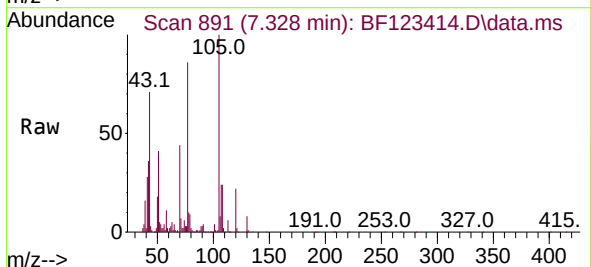
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

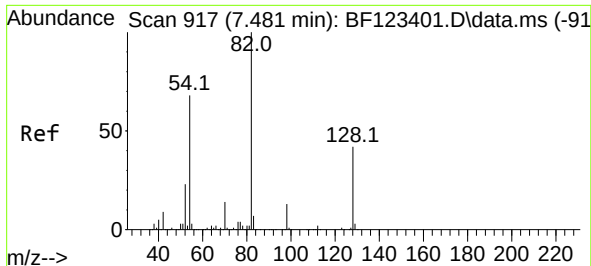
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 995208 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.8   | 13.2   |
| 54       | 11.2  | 5.5   | 8.3#   |
| 68       | 6.1   | 4.6   | 6.8    |



#22  
Acetophenone  
Concen: 40.40 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1009268 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 71       | 7.3   | 6.5   | 9.7     |
| 51       | 40.7  | 24.3  | 36.5#   |
| 120      | 22.1  | 18.1  | 27.1    |

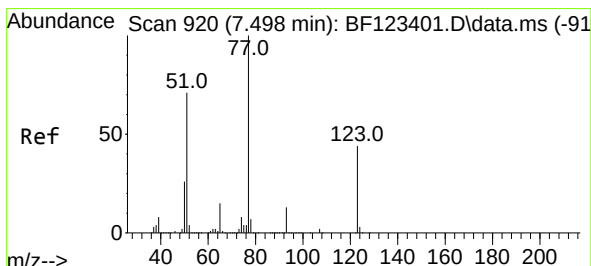
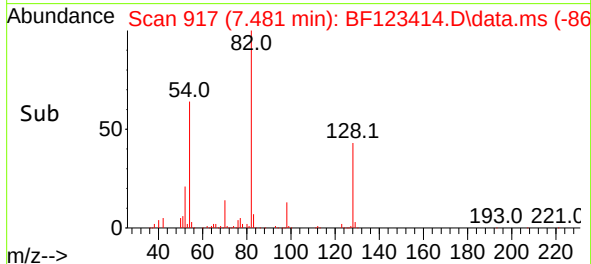
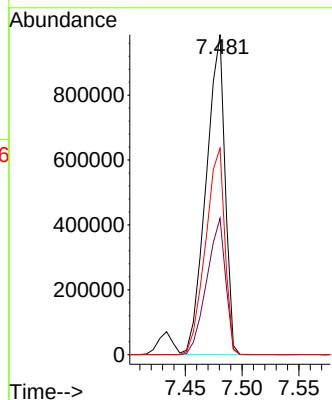
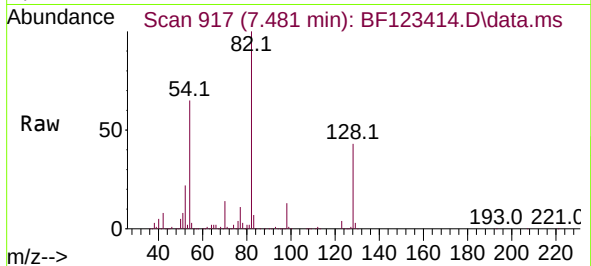




#23  
Nitrobenzene-d5  
Concen: 61.96 ng  
RT: 7.481 min Scan# 917  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

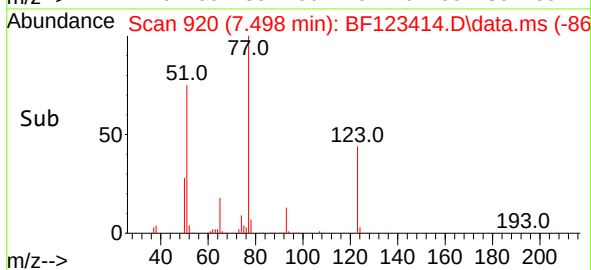
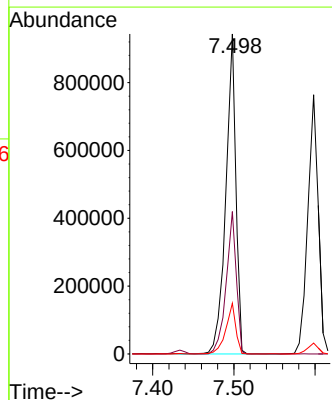
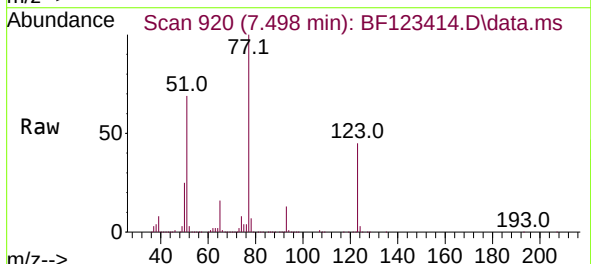
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

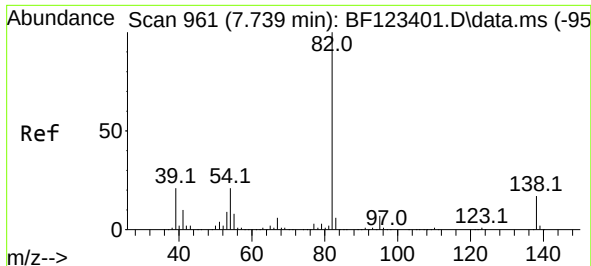
Tgt Ion: 82 Resp: 1142472  
Ion Ratio Lower Upper  
82 100  
128 42.6 37.0 55.4  
54 64.5 38.4 57.6#



#24  
Nitrobenzene  
Concen: 40.35 ng  
RT: 7.498 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion: 77 Resp: 822506  
Ion Ratio Lower Upper  
77 100  
123 44.5 39.3 58.9  
65 15.8 10.6 15.8#

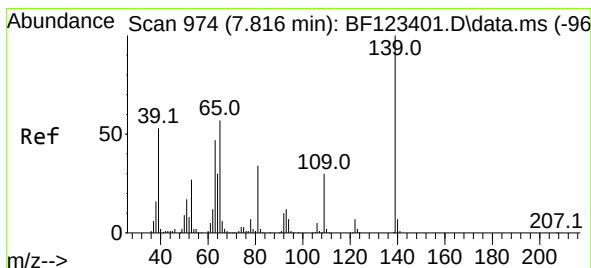
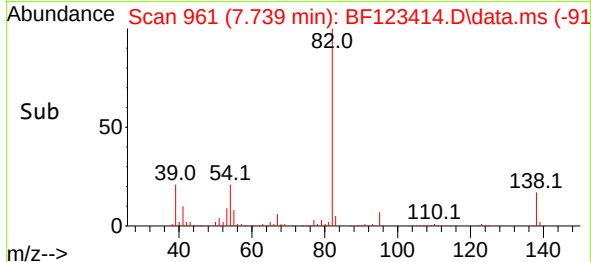
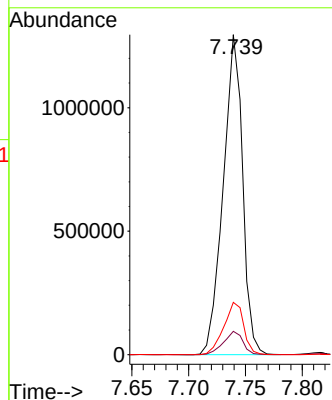
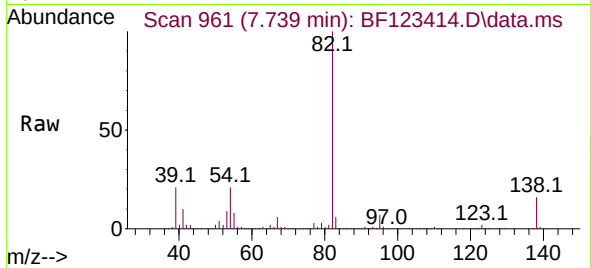




#25  
Isophorone  
Concen: 38.80 ng  
RT: 7.739 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

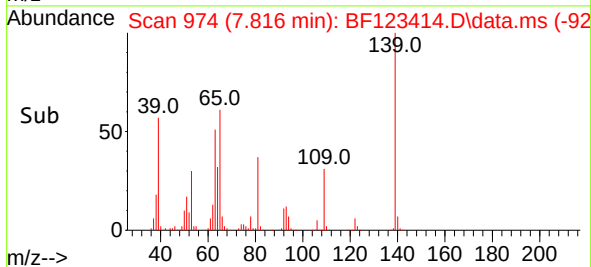
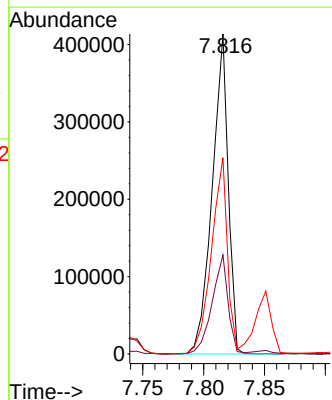
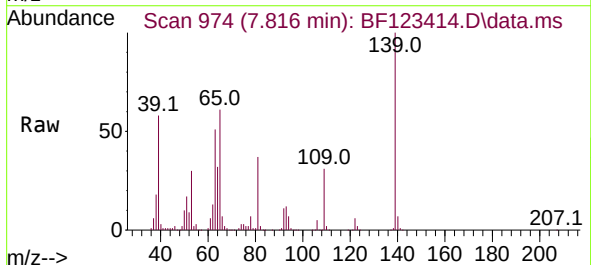
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion: 82 Resp: 1538025  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.8 8.6  
138 16.4 14.6 21.8

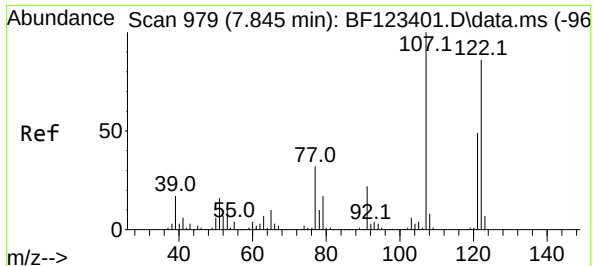


#26  
2-Nitrophenol  
Concen: 51.90 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:139 Resp: 378206  
Ion Ratio Lower Upper  
139 100  
109 30.9 24.0 36.0  
65 61.4 40.9 61.3#







#27

2,4-Dimethylphenol

Concen: 43.31 ng

RT: 7.851 min Scan# 980

Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

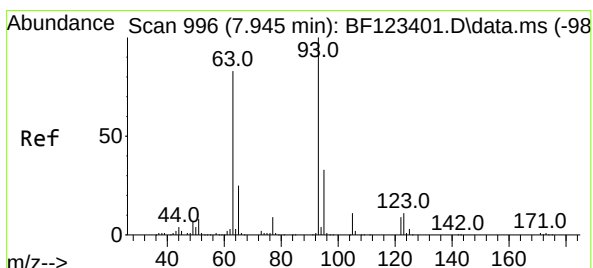
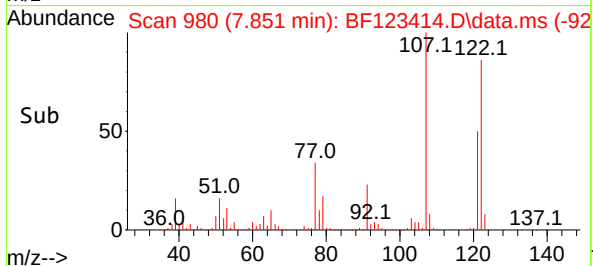
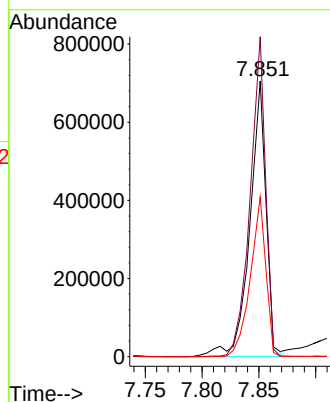
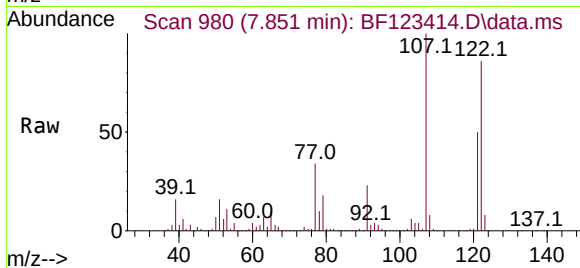
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 701844 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 116.1 | 91.8  | 137.8  |
| 121      | 58.0  | 47.3  | 70.9   |

Instrument :

BNA\_F

ClientSampleId :

SP-MANHOLEMSD



#28

bis(2-Chloroethoxy)methane

Concen: 43.96 ng

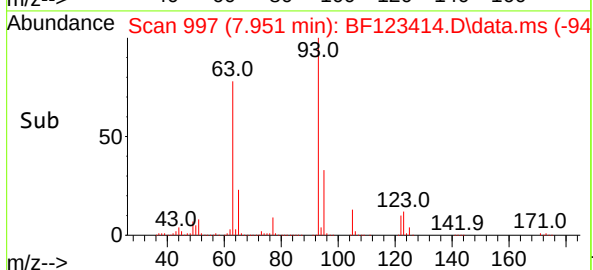
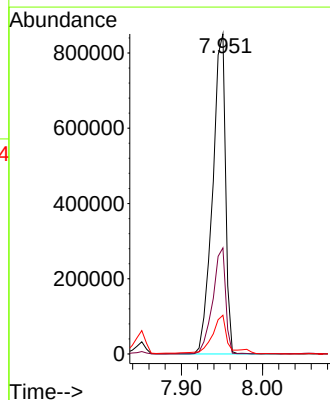
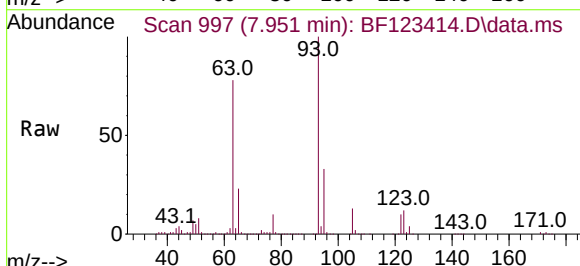
RT: 7.951 min Scan# 997

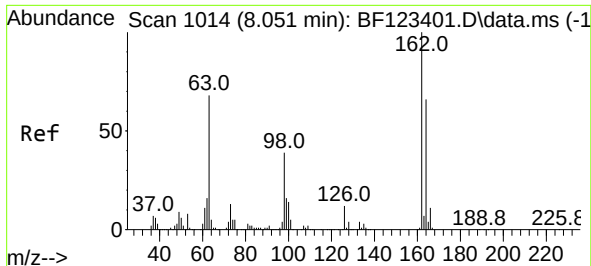
Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 939185 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 33.2  | 26.2  | 39.2   |
| 123      | 12.1  | 9.2   | 13.8   |

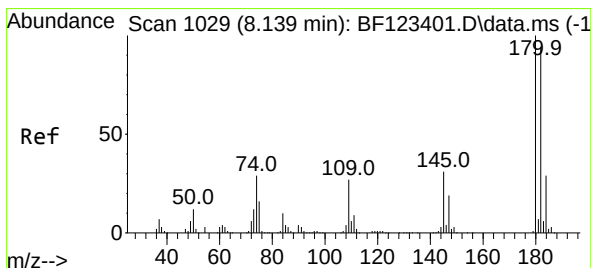
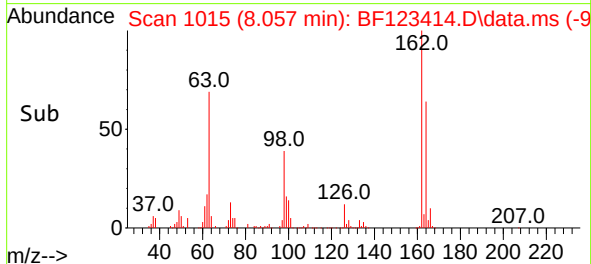
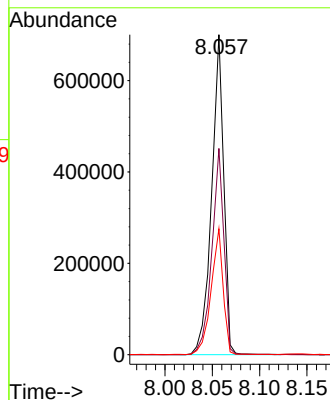
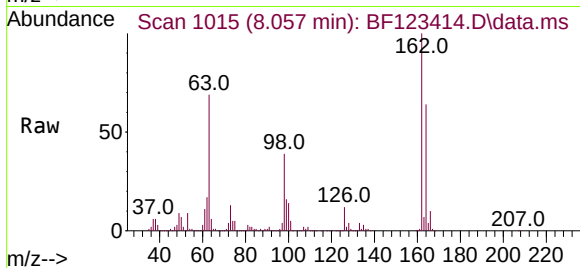




#29  
2,4-Dichlorophenol  
Concen: 39.17 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

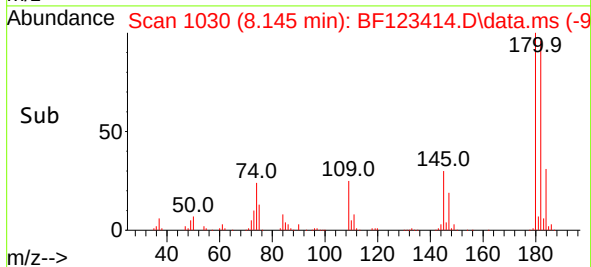
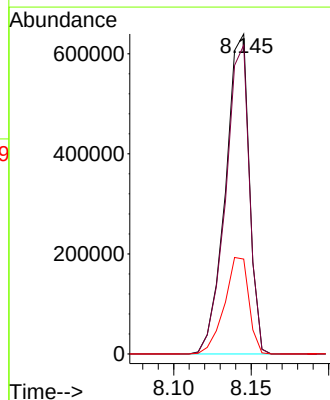
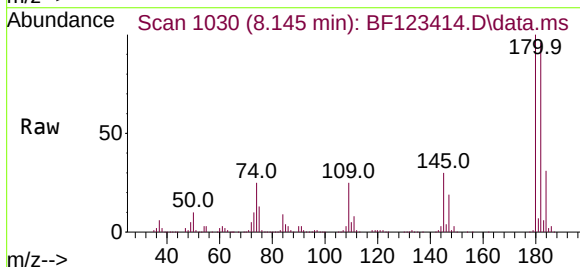
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

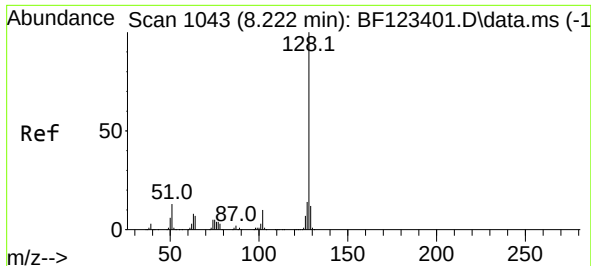
Tgt Ion:162 Resp: 623038  
Ion Ratio Lower Upper  
162 100  
164 64.5 43.2 83.2  
98 39.4 15.2 55.2



#30  
1,2,4-Trichlorobenzene  
Concen: 39.53 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:180 Resp: 685882  
Ion Ratio Lower Upper  
180 100  
182 96.5 75.7 113.5  
145 29.6 25.0 37.4

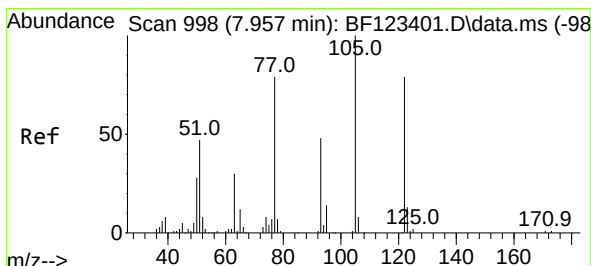
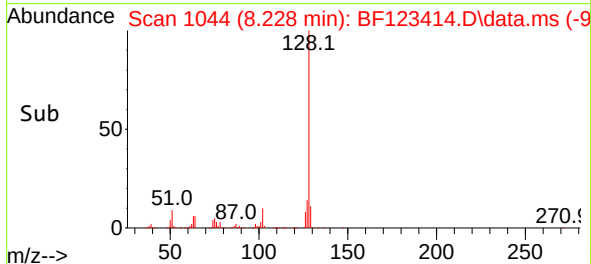
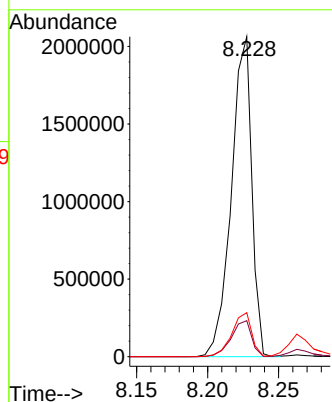
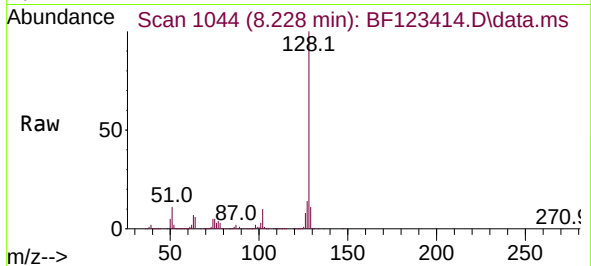




#31  
Naphthalene  
Concen: 38.57 ng  
RT: 8.228 min Scan# 1044  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

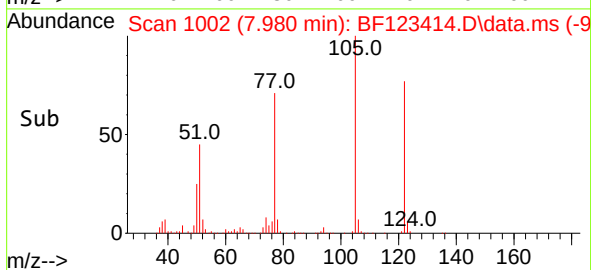
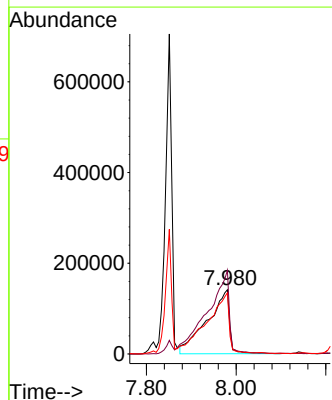
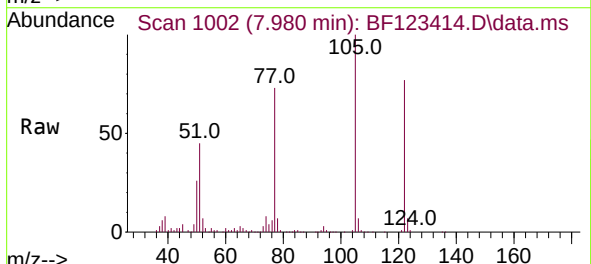
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

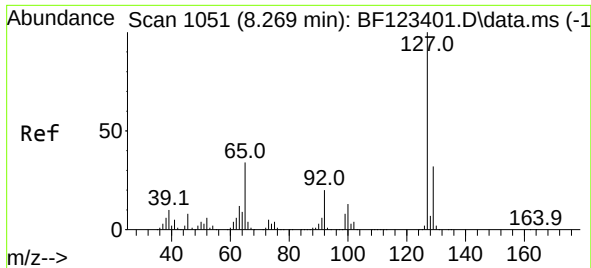
Tgt Ion:128 Resp: 2063901  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.8 10.7 16.1



#32  
Benzoic acid  
Concen: 51.19 ng  
RT: 7.980 min Scan# 1002  
Delta R.T. 0.023 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:122 Resp: 489419  
Ion Ratio Lower Upper  
122 100  
105 130.5 104.8 144.8  
77 95.2 71.0 111.0

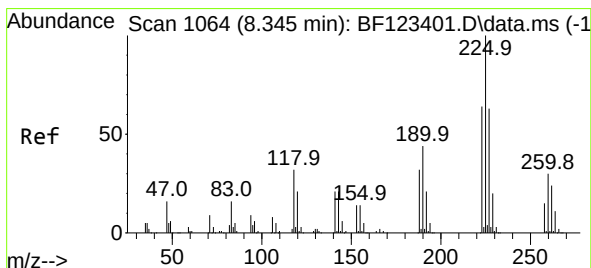
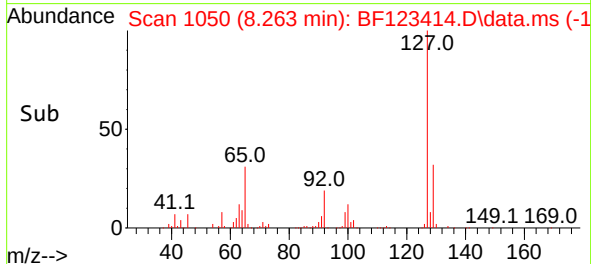
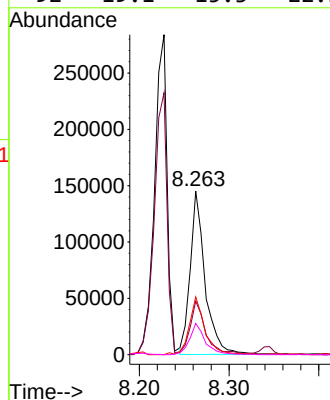
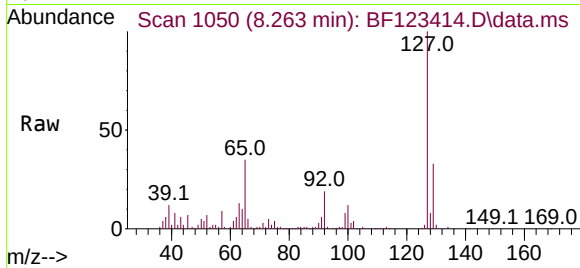




#33  
4-Chloroaniline  
Concen: 7.62 ng  
RT: 8.263 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

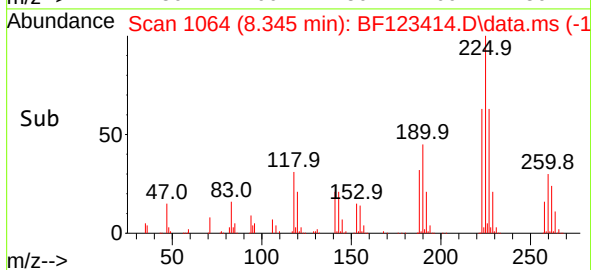
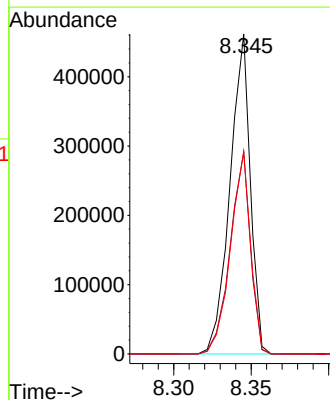
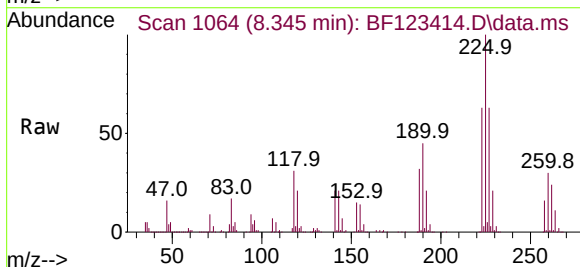
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

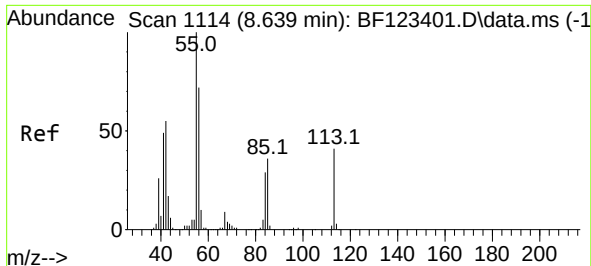
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 167315 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 32.6  | 26.2  | 39.2   |
| 65        | 35.3  | 22.2  | 33.2#  |
| 92        | 19.1  | 15.3  | 22.9   |



#34  
Hexachlorobutadiene  
Concen: 39.82 ng  
RT: 8.345 min Scan# 1064  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 421433 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 50.7  | 76.1   |
| 227       | 63.2  | 51.7  | 77.5   |

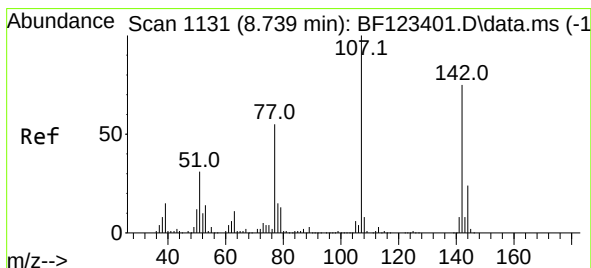
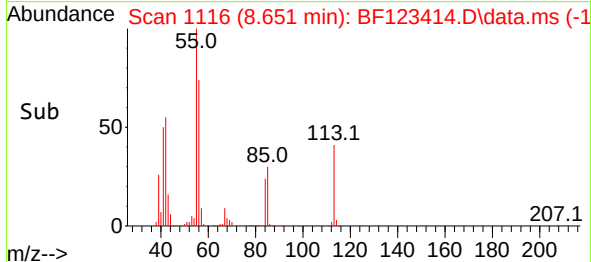
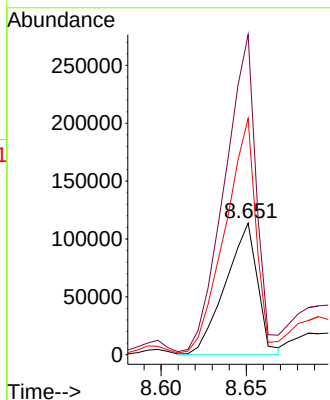
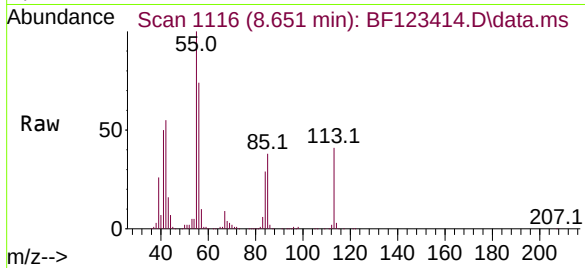




#35  
 Caprolactam  
 Concen: 31.19 ng  
 RT: 8.651 min Scan# 1116  
 Delta R.T. 0.012 min  
 Lab File: BF123414.D  
 Acq: 23 Mar 2021 20:58

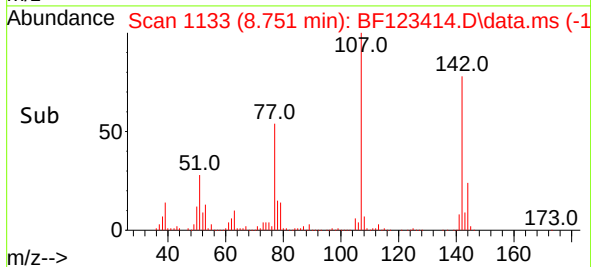
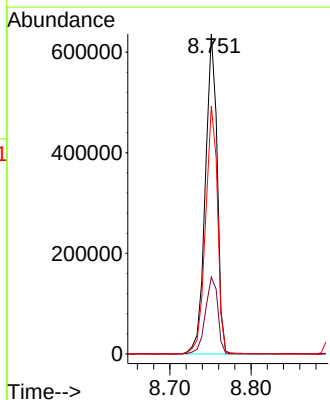
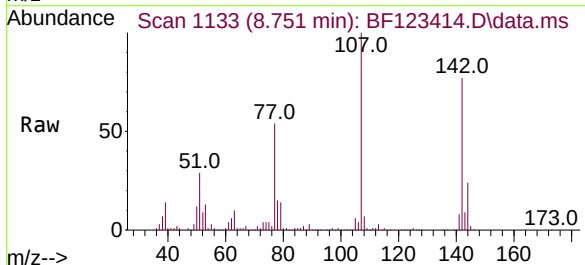
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-MANHOLEMSD

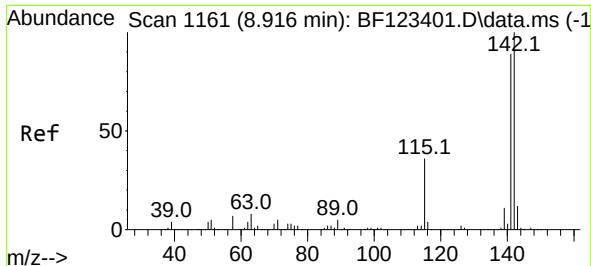
Tgt Ion:113 Resp: 149203  
 Ion Ratio Lower Upper  
 113 100  
 55 243.4 133.7 173.7#  
 56 179.6 95.3 135.3#



#36  
 4-Chloro-3-methylphenol  
 Concen: 38.48 ng  
 RT: 8.751 min Scan# 1133  
 Delta R.T. 0.012 min  
 Lab File: BF123414.D  
 Acq: 23 Mar 2021 20:58

Tgt Ion:107 Resp: 642396  
 Ion Ratio Lower Upper  
 107 100  
 144 24.0 20.2 30.2  
 142 77.5 64.4 96.6

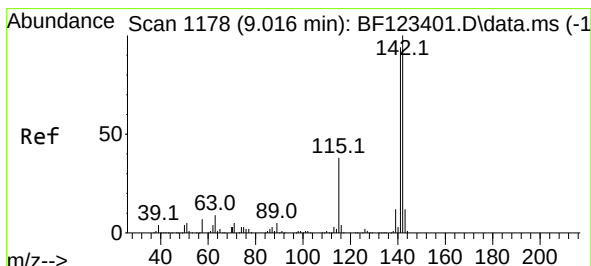
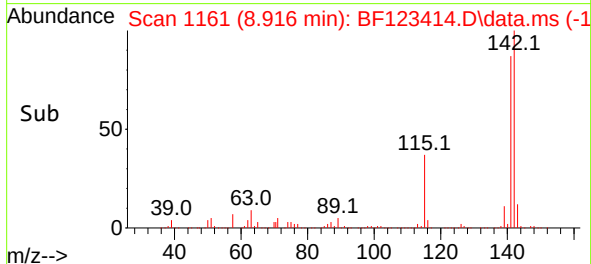
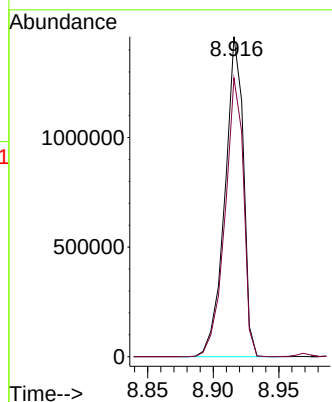
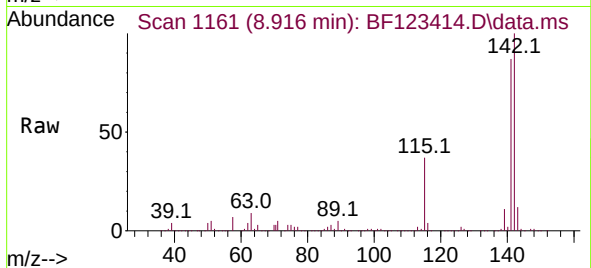




#37  
2-Methylnaphthalene  
Concen: 38.97 ng  
RT: 8.916 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

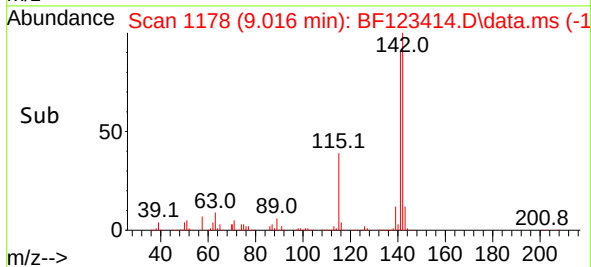
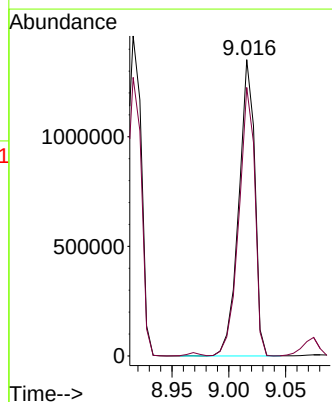
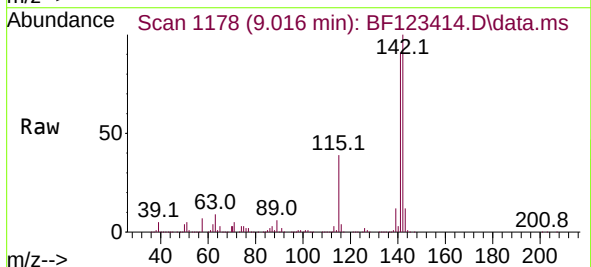
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

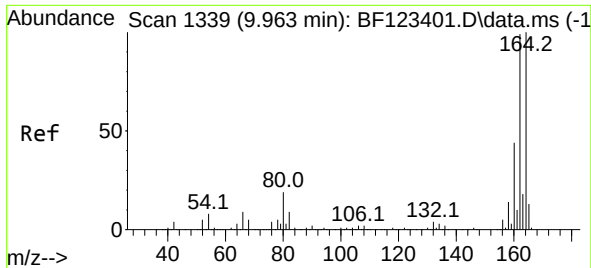
Tgt Ion:142 Resp: 1429391  
Ion Ratio Lower Upper  
142 100  
141 87.1 70.6 106.0



#38  
1-Methylnaphthalene  
Concen: 38.33 ng  
RT: 9.016 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:142 Resp: 1319826  
Ion Ratio Lower Upper  
142 100  
141 90.6 74.5 111.7

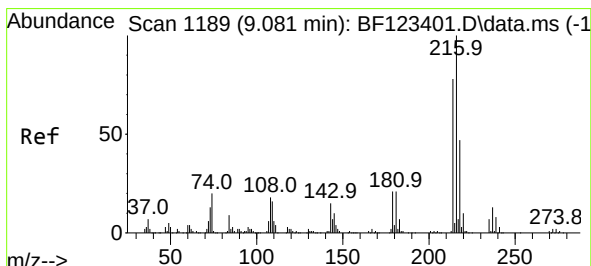
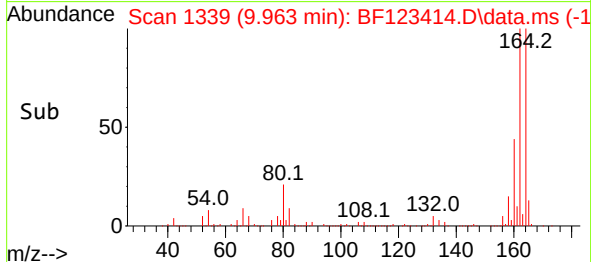
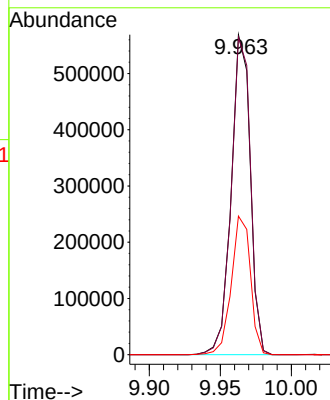
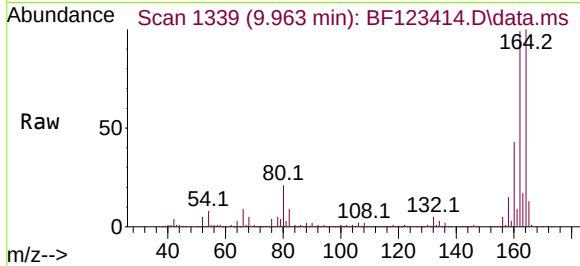




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

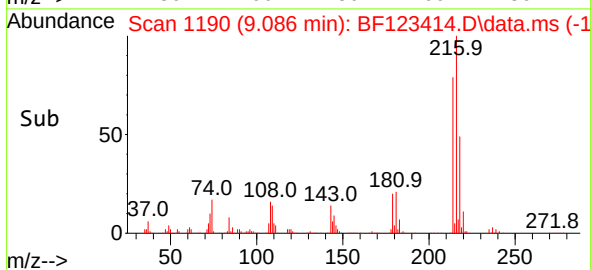
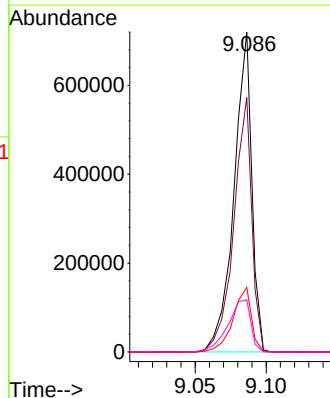
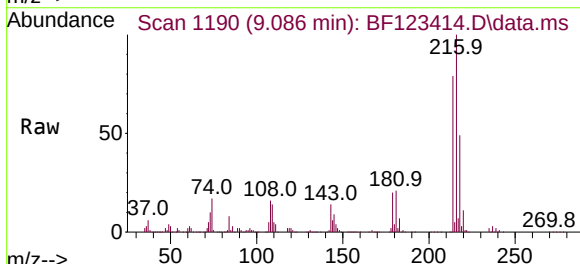
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

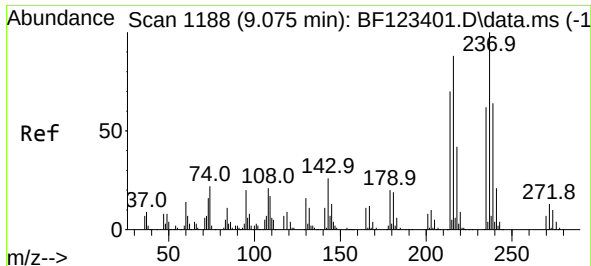
Tgt Ion:164 Resp: 531135  
Ion Ratio Lower Upper  
164 100  
162 99.2 80.8 121.2  
160 43.3 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.80 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:216 Resp: 628979  
Ion Ratio Lower Upper  
216 100  
214 80.3 63.1 94.7  
179 20.8 17.1 25.7  
108 21.0 14.6 21.8

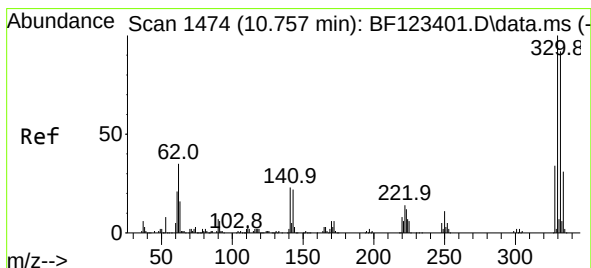
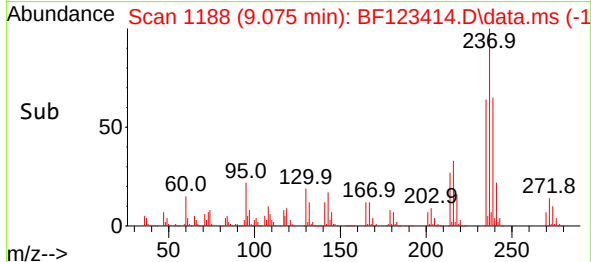
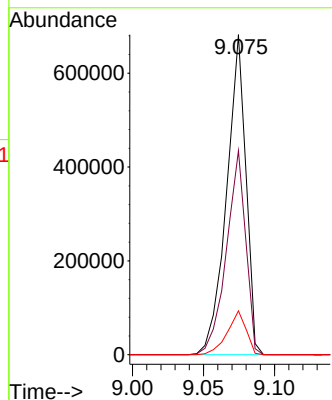
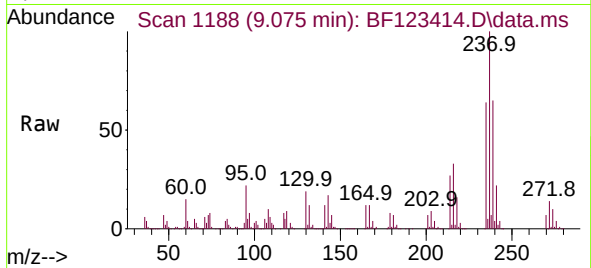




#41  
Hexachlorocyclopentadiene  
Concen: 73.10 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

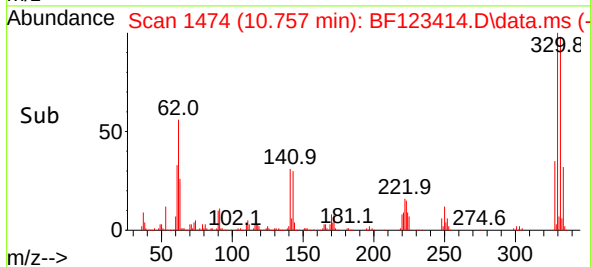
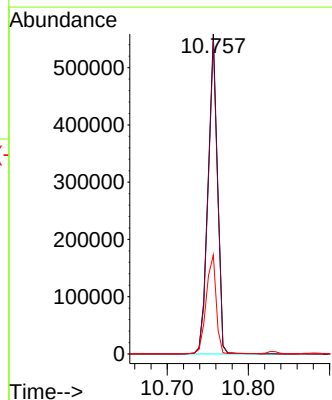
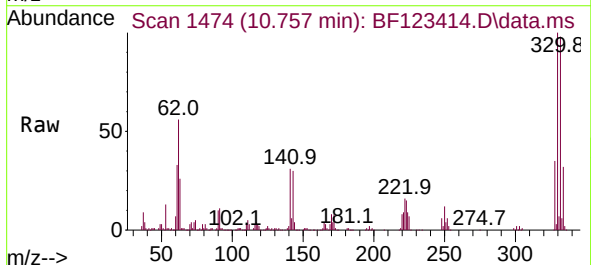
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion:237 Resp: 645095  
Ion Ratio Lower Upper  
237 100  
235 63.7 40.9 80.9  
272 13.7 0.0 33.4

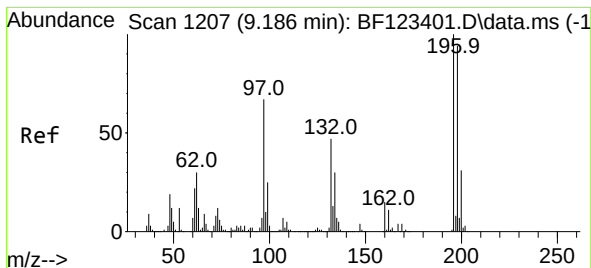


#42  
2,4,6-Tribromophenol  
Concen: 75.83 ng  
RT: 10.757 min Scan# 1474  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:330 Resp: 450287  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.5 116.3  
141 32.8 23.8 35.8







#43

2,4,6-Trichlorophenol

Concen: 39.23 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

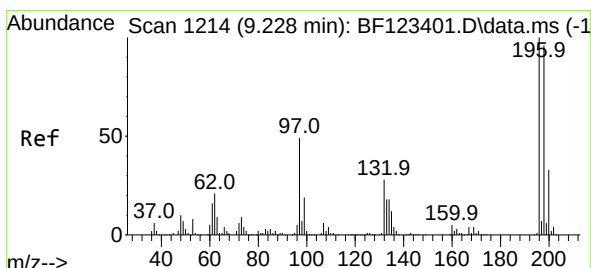
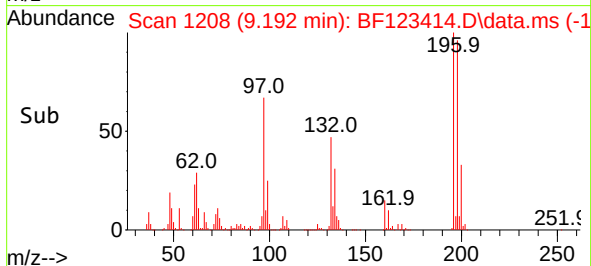
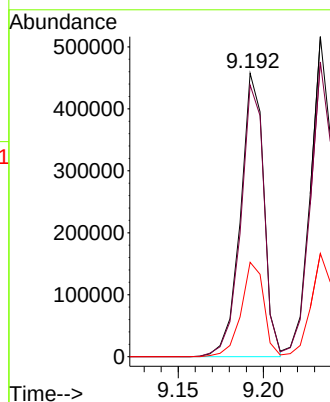
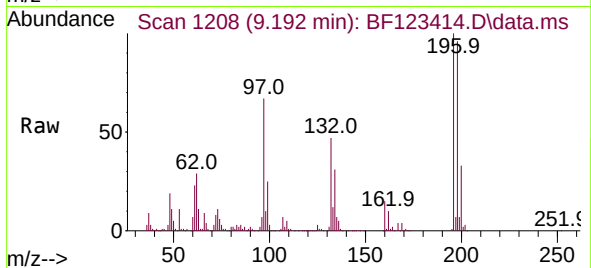
Tgt Ion:196 Resp: 434160

Ion Ratio Lower Upper

196 100

198 95.9 75.1 112.7

200 33.3 23.7 35.5



#44

2,4,5-Trichlorophenol

Concen: 38.44 ng

RT: 9.233 min Scan# 1215

Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion:196 Resp: 447055

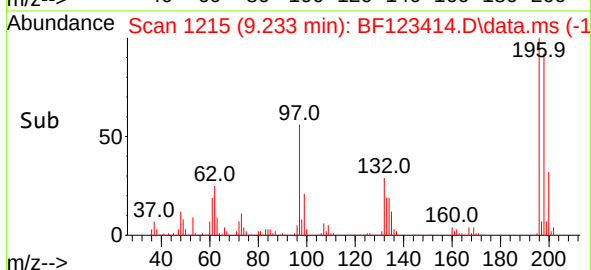
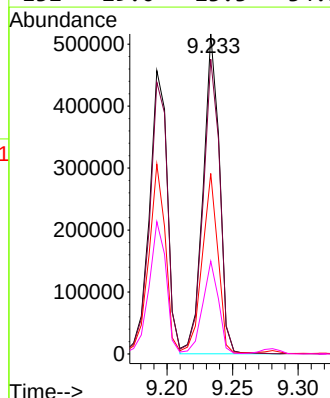
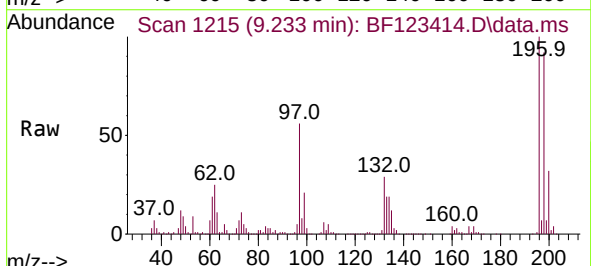
Ion Ratio Lower Upper

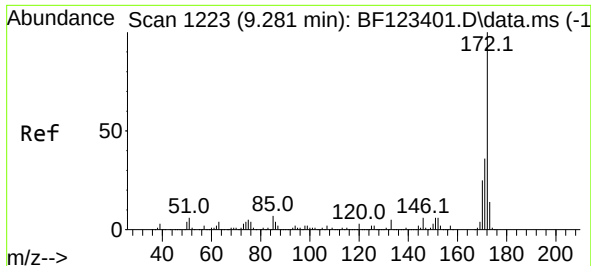
196 100

198 92.1 76.5 114.7

97 56.4 40.1 60.1

132 29.0 23.3 34.9

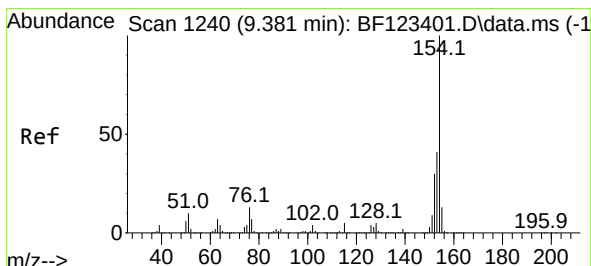
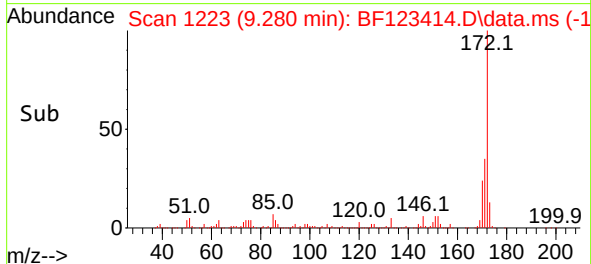
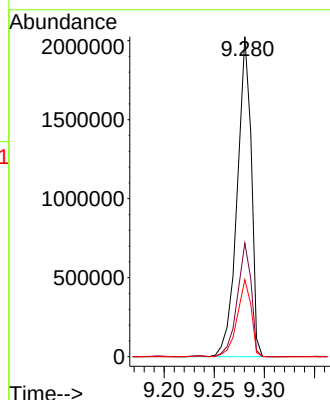
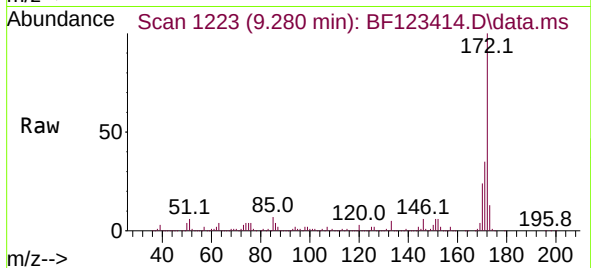




#45  
2-Fluorobiphenyl  
Concen: 53.11 ng  
RT: 9.280 min Scan# 1223  
Delta R.T. -0.001 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

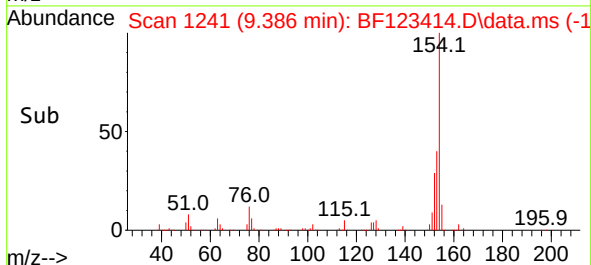
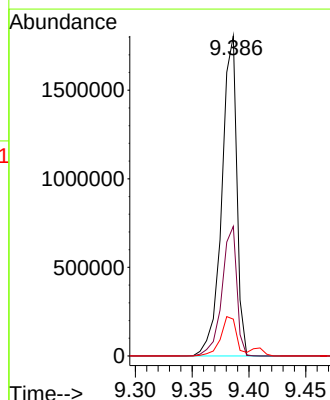
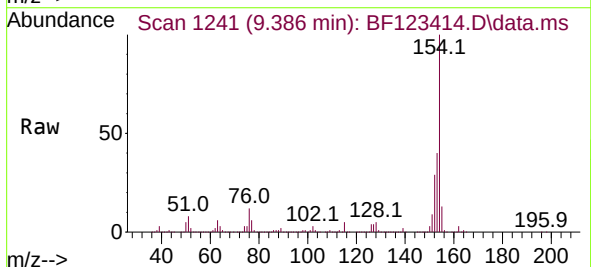
Instrument :  
BNA\_F  
ClientSampleId :  
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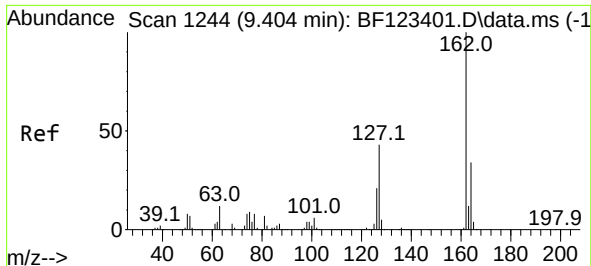
Tgt Ion:172 Resp: 1974476  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.6 44.4  
170 24.0 19.5 29.3



#46  
1,1'-Biphenyl  
Concen: 40.62 ng  
RT: 9.386 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:154 Resp: 1662764  
Ion Ratio Lower Upper  
154 100  
153 40.5 21.8 61.8  
76 11.5 0.0 33.4

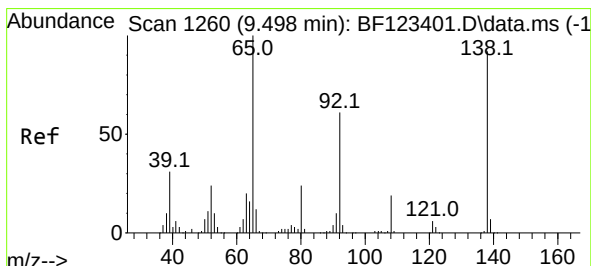
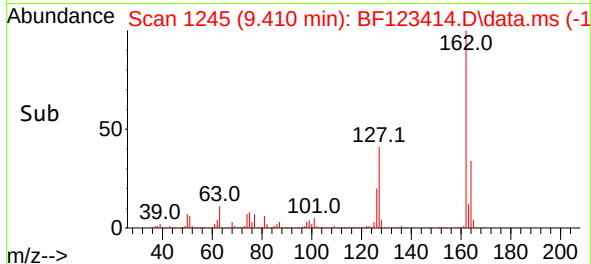
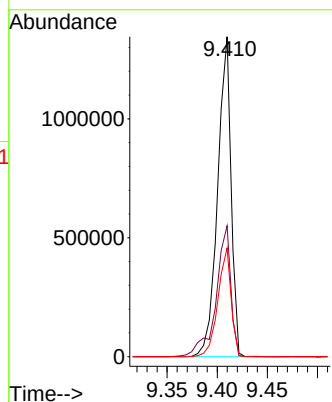
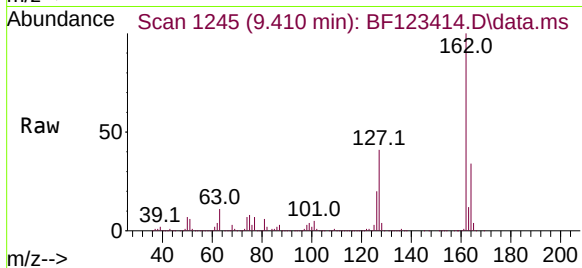




#47  
2-Chloronaphthalene  
Concen: 37.41 ng  
RT: 9.410 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

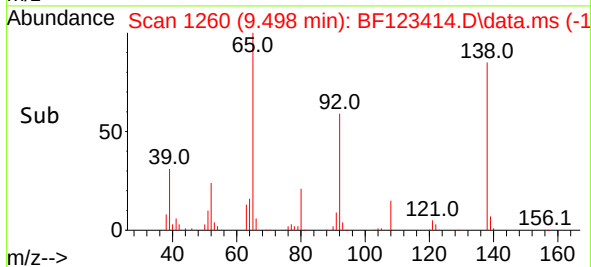
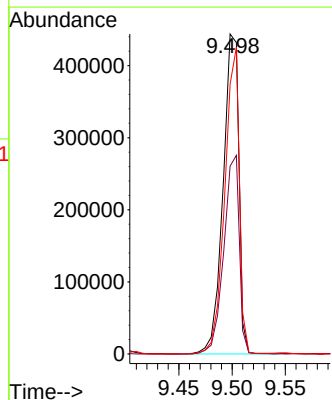
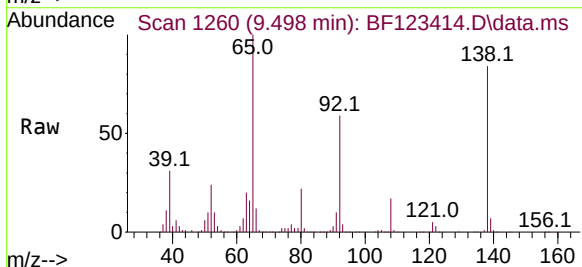
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

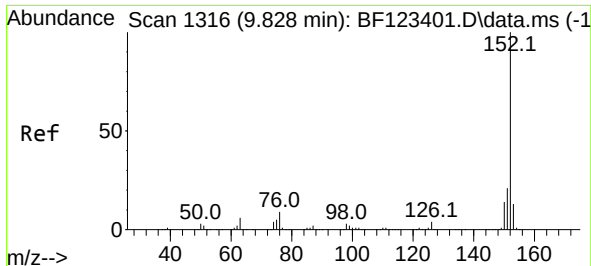
Tgt Ion:162 Resp: 1249344  
Ion Ratio Lower Upper  
162 100  
127 40.9 33.8 50.8  
164 33.9 26.5 39.7



#48  
2-Nitroaniline  
Concen: 45.28 ng  
RT: 9.498 min Scan# 1260  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion: 65 Resp: 458855  
Ion Ratio Lower Upper  
65 100  
92 58.7 60.0 90.0#  
138 84.3 100.6 151.0#





#49

Acenaphthylene

Concen: 39.51 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.000 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Instrument :

BNA\_F

ClientSampleId :

SP-MANHOLEMSD

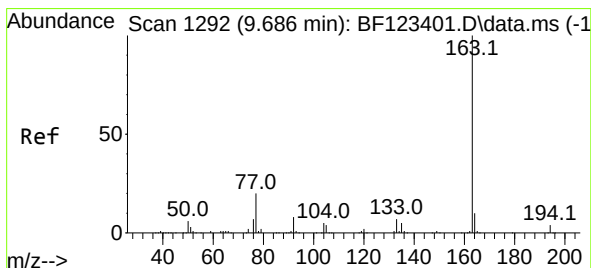
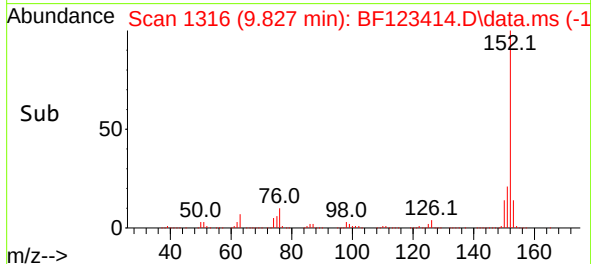
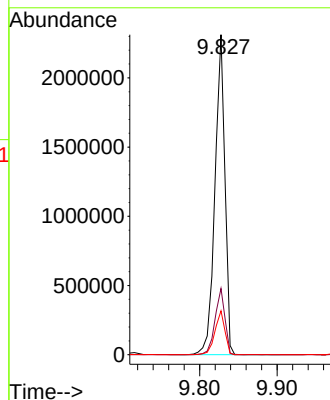
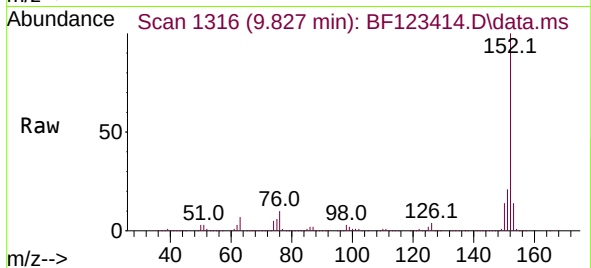
Tgt Ion:152 Resp: 2063557

Ion Ratio Lower Upper

152 100

151 20.7 16.6 25.0

153 13.7 10.9 16.3



#50

Dimethylphthalate

Concen: 40.90 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.000 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

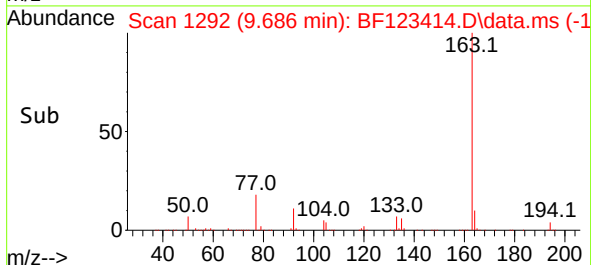
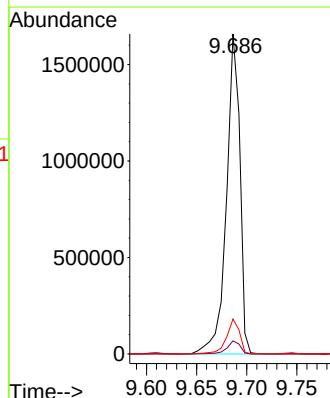
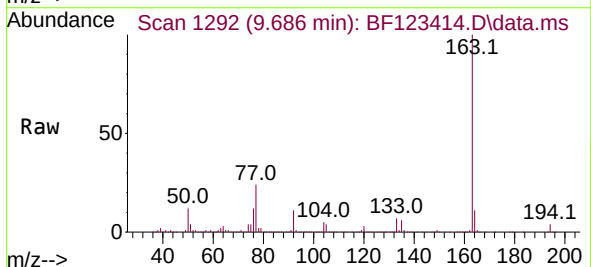
Tgt Ion:163 Resp: 1542917

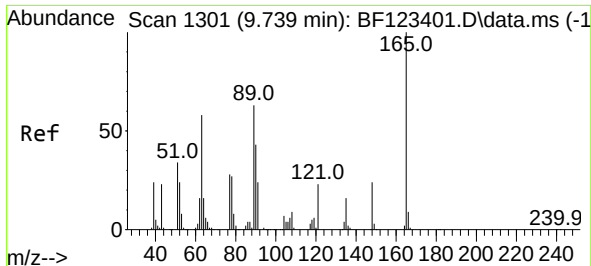
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.9 8.1 12.1

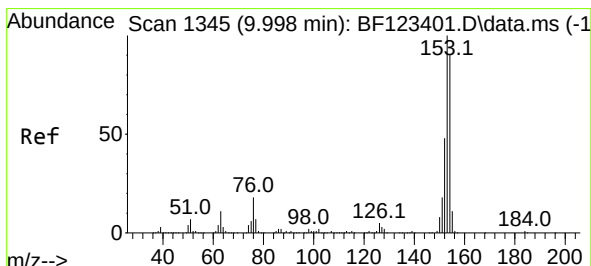
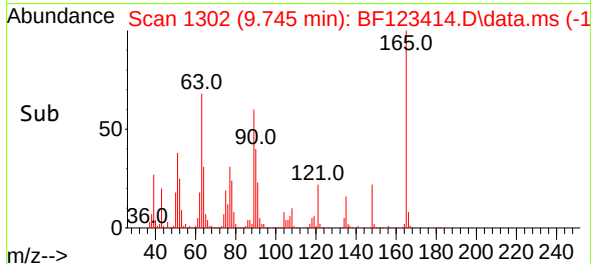
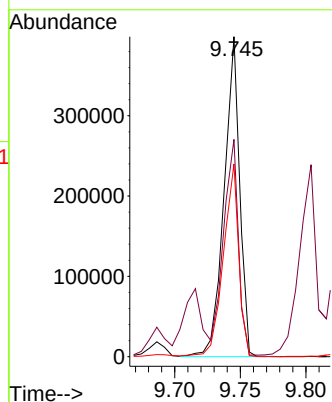
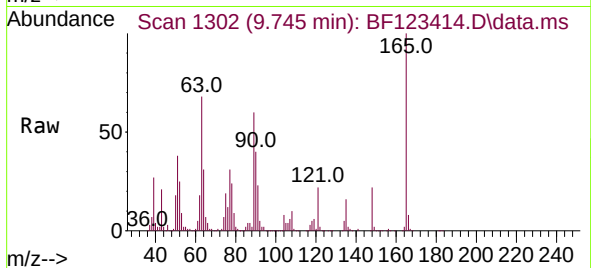




#51  
2,6-Dinitrotoluene  
Concen: 41.70 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

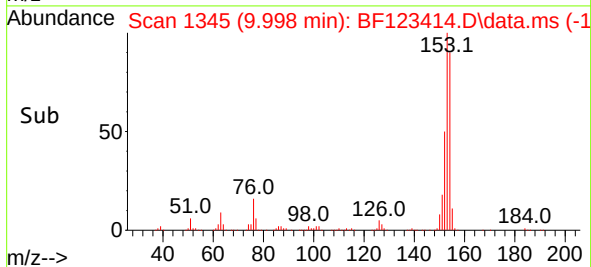
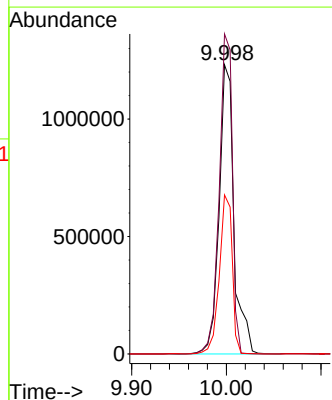
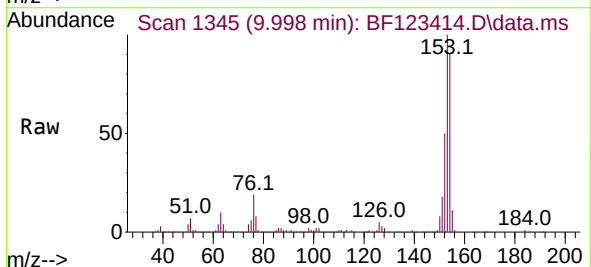
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

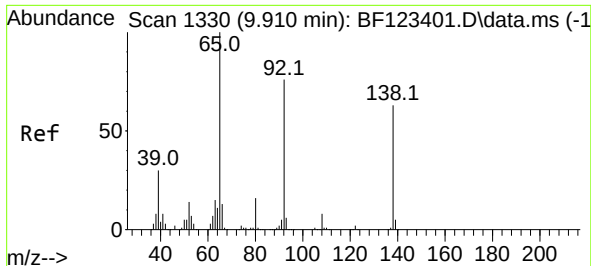
Tgt Ion:165 Resp: 328593  
Ion Ratio Lower Upper  
165 100  
63 67.9 36.6 55.0#  
89 60.2 39.4 59.0#



#52  
Acenaphthene  
Concen: 41.13 ng  
RT: 9.998 min Scan# 1345  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:154 Resp: 1340894  
Ion Ratio Lower Upper  
154 100  
153 110.6 89.0 133.6  
152 55.0 42.7 64.1

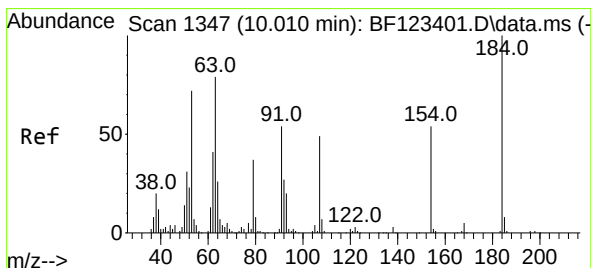
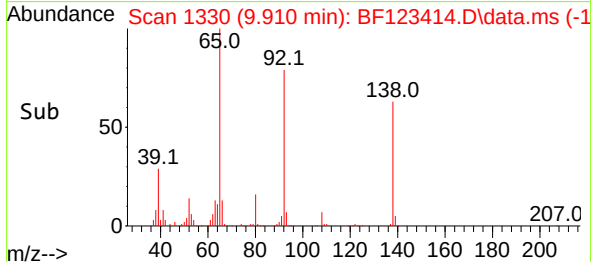
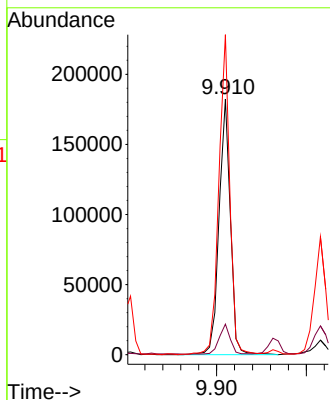
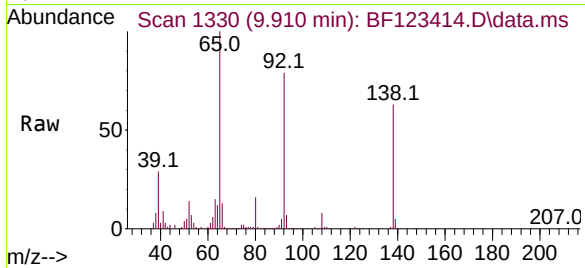




#53  
3-Nitroaniline  
Concen: 19.17 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

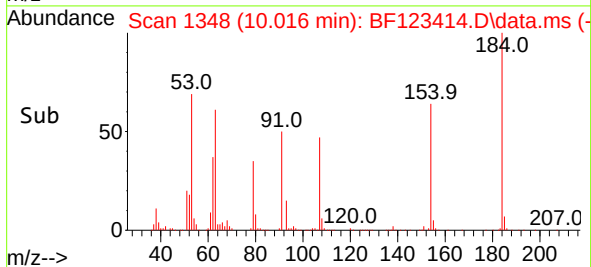
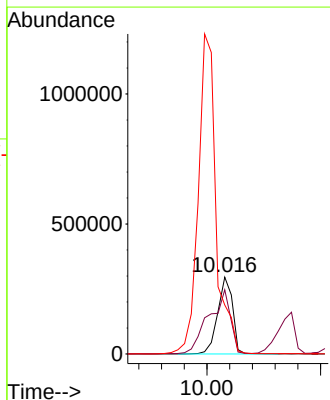
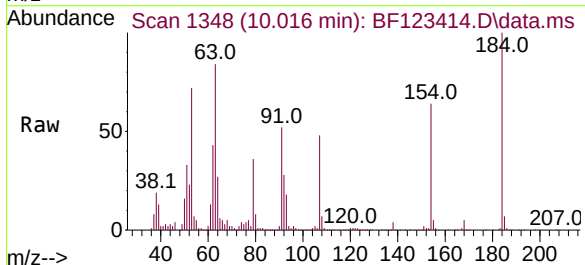
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BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

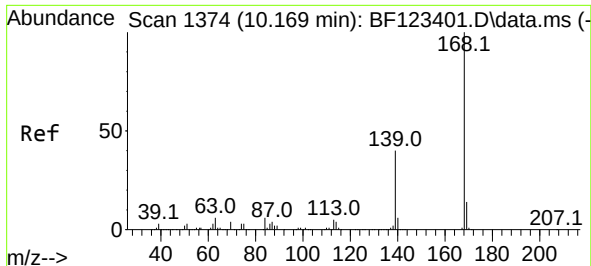
Tgt Ion:138 Resp: 159528  
Ion Ratio Lower Upper  
138 100  
108 12.0 8.2 12.2  
92 125.2 85.4 128.2



#54  
2,4-Dinitrophenol  
Concen: 72.77 ng  
RT: 10.016 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:184 Resp: 269610  
Ion Ratio Lower Upper  
184 100  
63 83.5 51.4 77.2#  
154 63.8 49.7 74.5

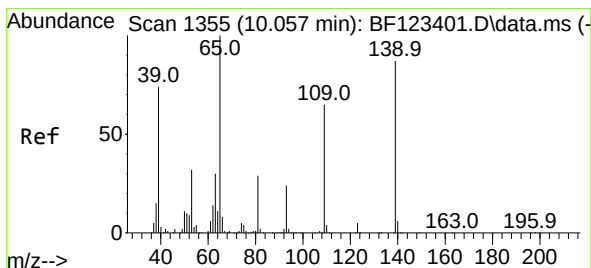
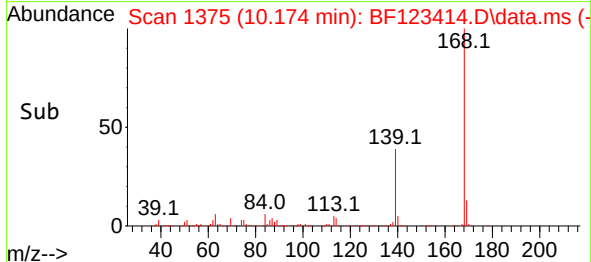
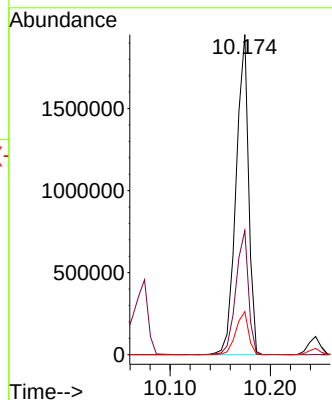
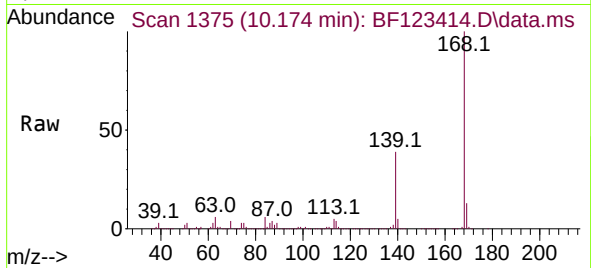




#55  
Dibenzofuran  
Concen: 36.24 ng  
RT: 10.174 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

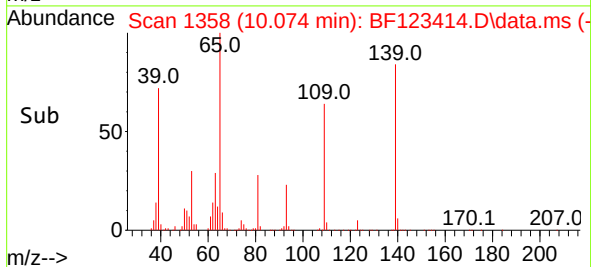
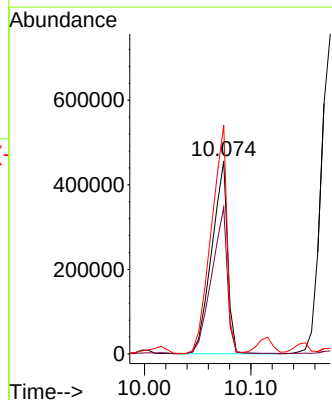
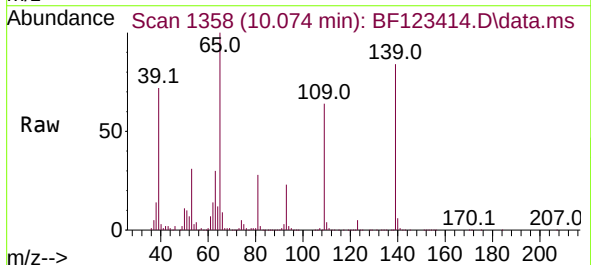
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ClientSampleId :  
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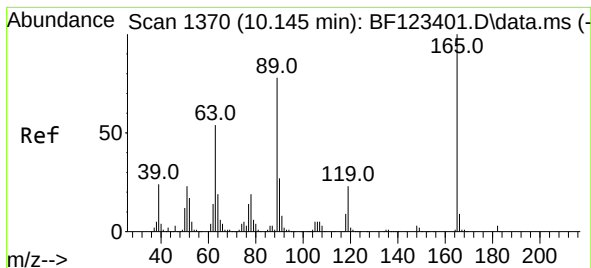
Tgt Ion:168 Resp: 1698878  
Ion Ratio Lower Upper  
168 100  
139 38.8 31.3 46.9  
169 13.5 11.2 16.8



#56  
4-Nitrophenol  
Concen: 70.01 ng  
RT: 10.074 min Scan# 1358  
Delta R.T. 0.017 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:139 Resp: 469924  
Ion Ratio Lower Upper  
139 100  
109 75.9 45.1 85.1  
65 118.6 59.2 99.2#

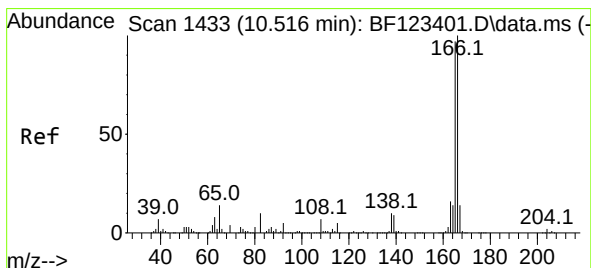
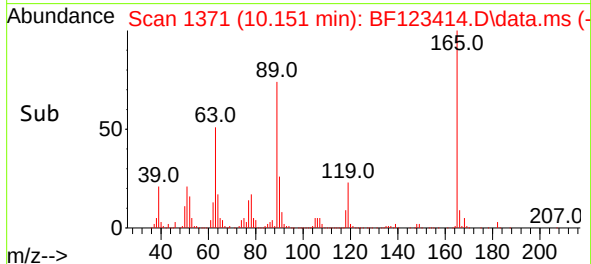
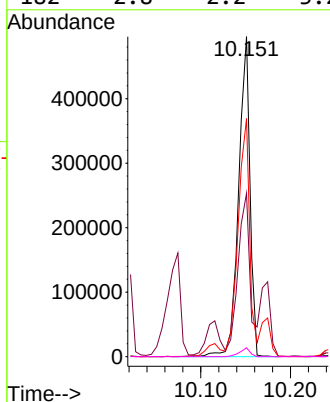
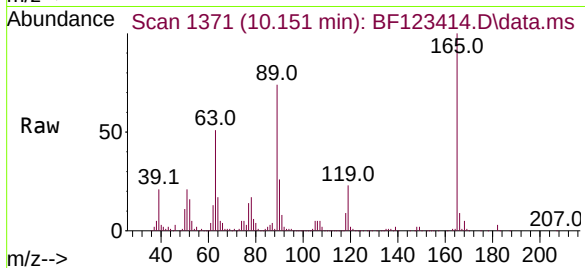




#57  
2,4-Dinitrotoluene  
Concen: 44.44 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

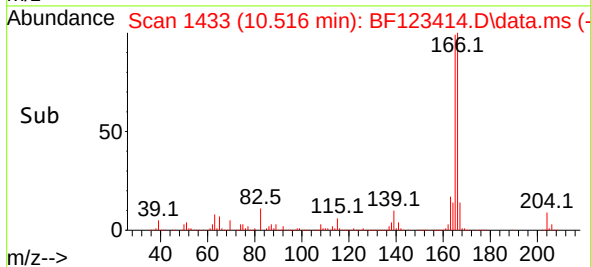
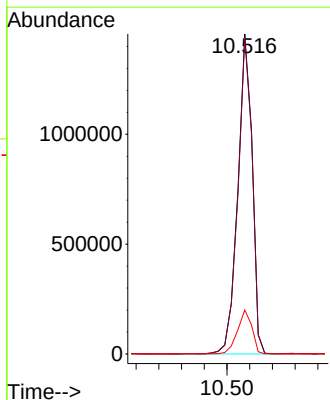
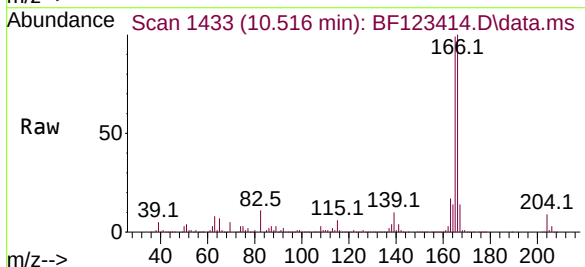
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:165 | Resp: | 437101 |       |
| Ion         | Ratio | Lower  | Upper |
| 165         | 100   |        |       |
| 63          | 51.1  | 34.3   | 51.5  |
| 89          | 74.4  | 55.2   | 82.8  |
| 182         | 2.8   | 2.2    | 3.2   |

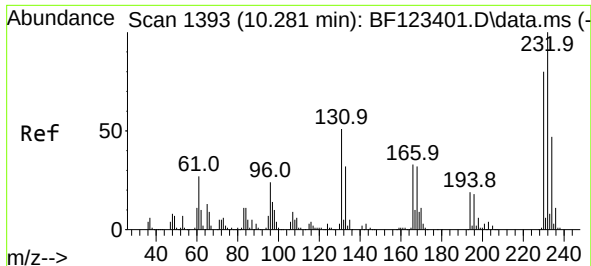


#58  
Fluorene  
Concen: 36.01 ng  
RT: 10.516 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

|             |       |         |       |
|-------------|-------|---------|-------|
| Tgt Ion:166 | Resp: | 1274389 |       |
| Ion         | Ratio | Lower   | Upper |
| 166         | 100   |         |       |
| 165         | 99.1  | 79.4    | 119.0 |
| 167         | 13.7  | 10.9    | 16.3  |



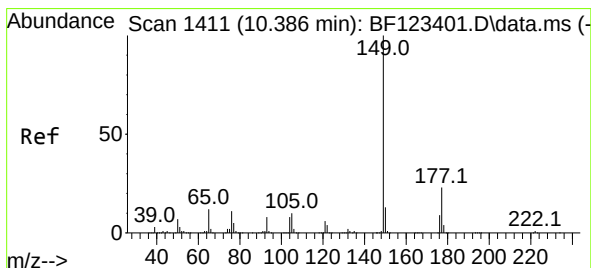
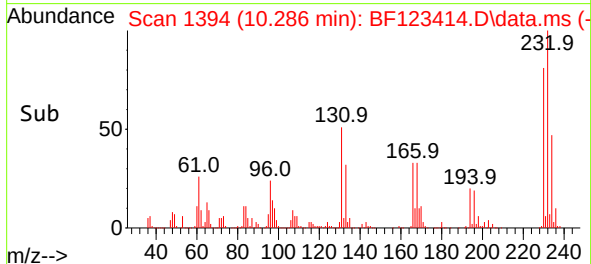
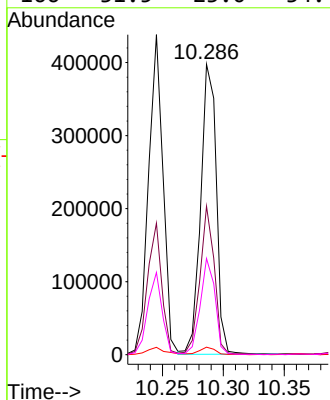
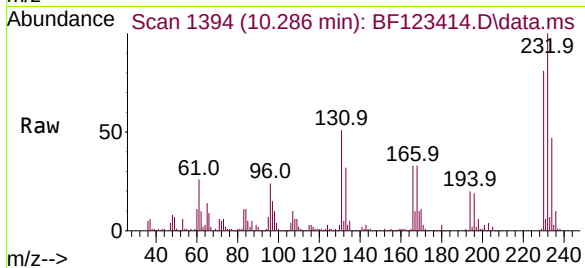




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.43 ng  
RT: 10.286 min Scan# 1394  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

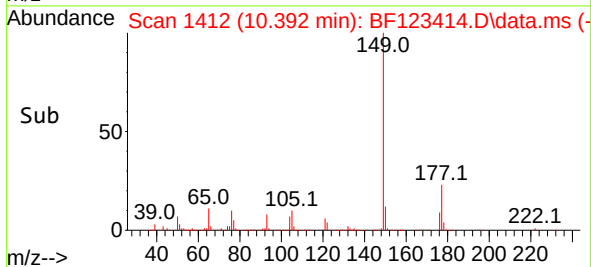
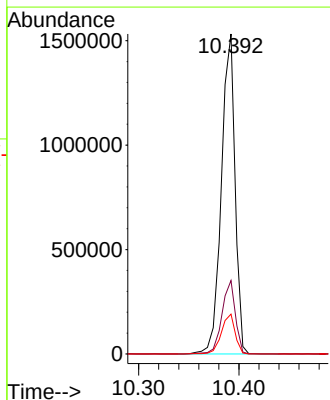
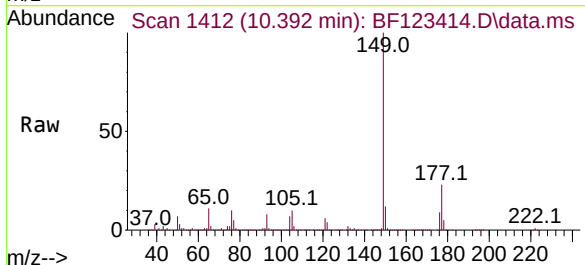
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BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

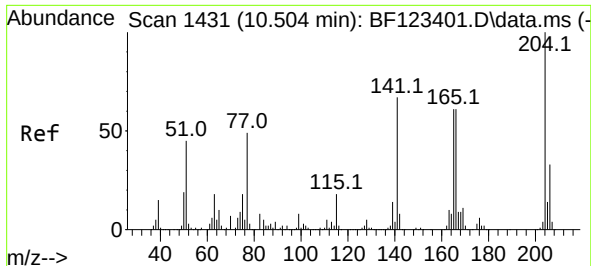
Tgt Ion:232 Resp: 355314  
Ion Ratio Lower Upper  
232 100  
131 47.3 33.0 49.4  
130 2.7 1.7 2.5#  
166 31.5 23.0 34.4



#60  
Diethylphthalate  
Concen: 39.31 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:149 Resp: 1447550  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.2 27.4  
150 12.4 10.1 15.1

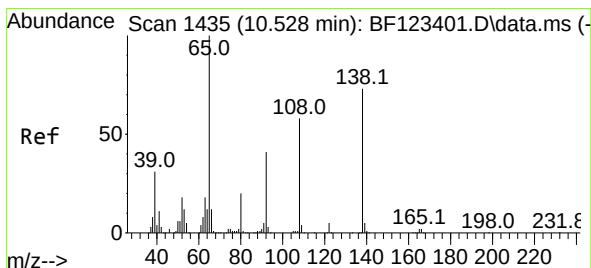
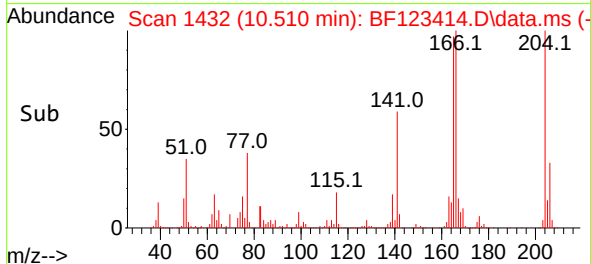
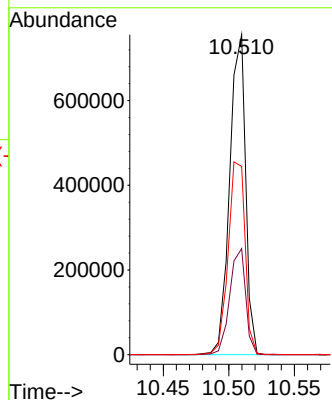
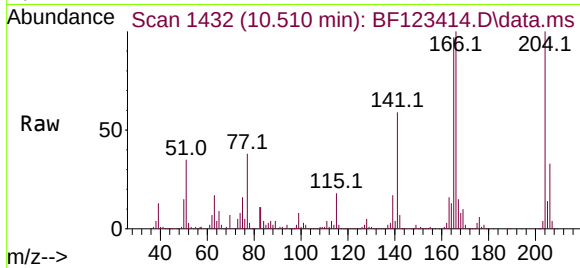




#61  
4-Chlorophenyl-phenylether  
Concen: 36.94 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

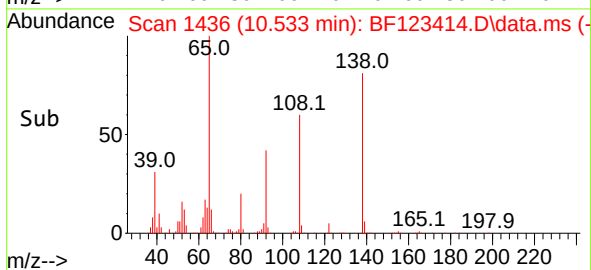
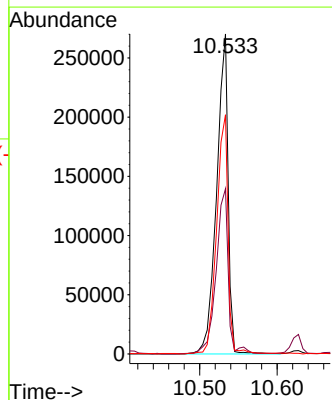
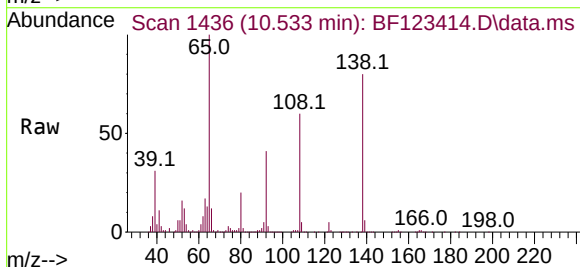
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BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

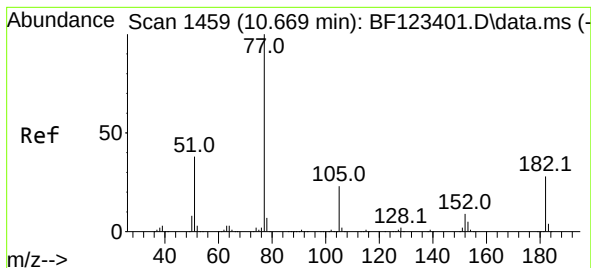
Tgt Ion:204 Resp: 638920  
Ion Ratio Lower Upper  
204 100  
206 33.1 27.0 40.4  
141 58.8 50.4 75.6



#62  
4-Nitroaniline  
Concen: 35.33 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:138 Resp: 278617  
Ion Ratio Lower Upper  
138 100  
92 51.6 31.0 71.0  
108 74.8 54.8 94.8

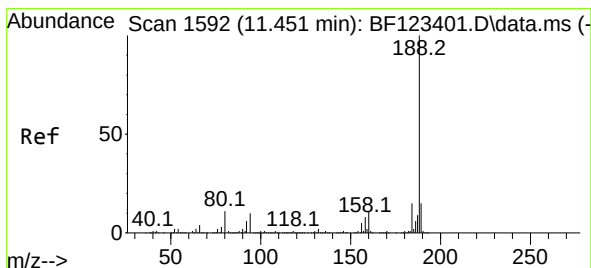
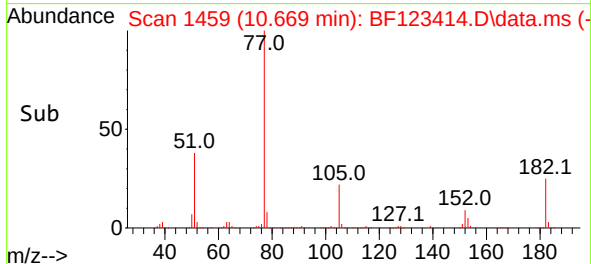
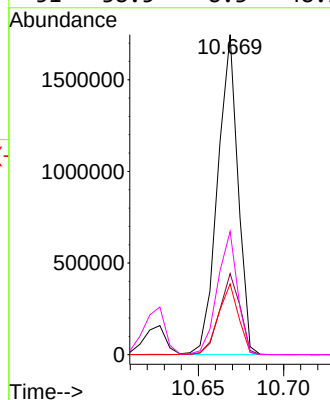
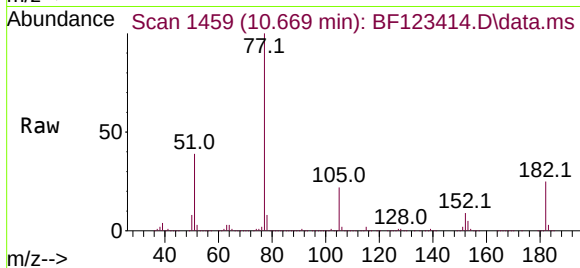




#63  
Azobenzene  
Concen: 35.70 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

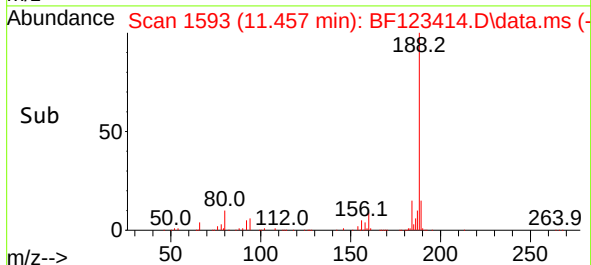
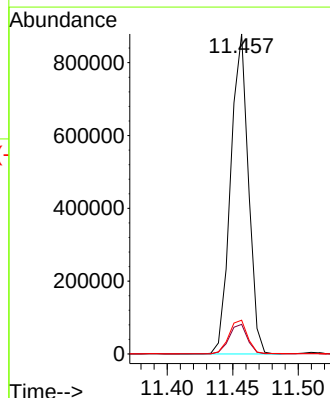
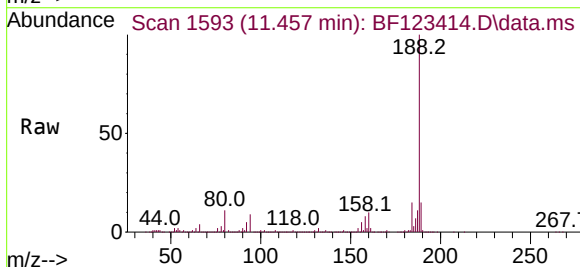
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ClientSampleId :  
SP-MANHOLEMSD

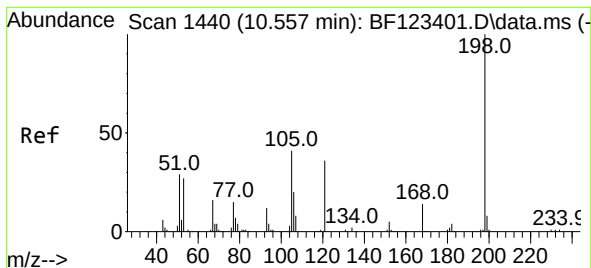
Tgt Ion: 77 Resp: 1446896  
Ion Ratio Lower Upper  
77 100  
182 25.4 5.6 45.6  
105 22.1 1.8 41.8  
51 38.5 8.3 48.3



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.457 min Scan# 1593  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:188 Resp: 825991  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.4 11.2  
80 10.6 8.2 12.4

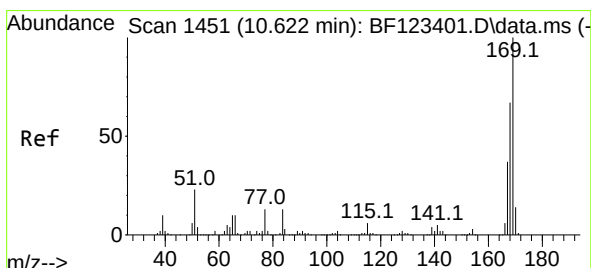
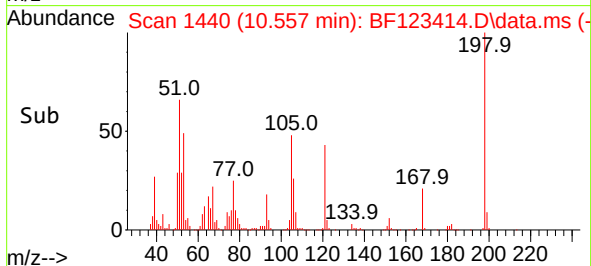
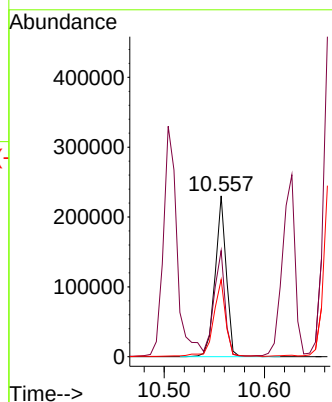
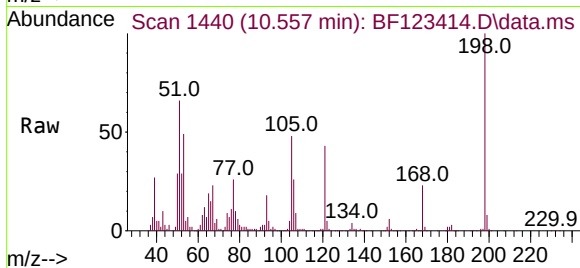




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.78 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

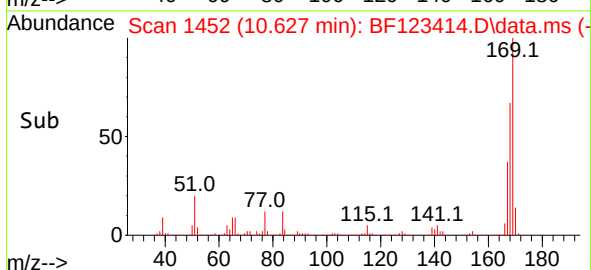
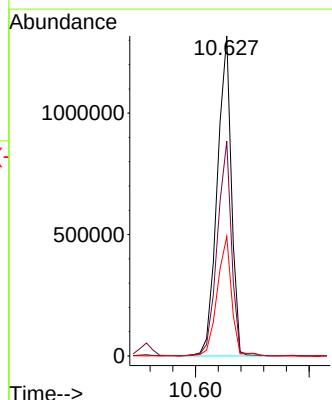
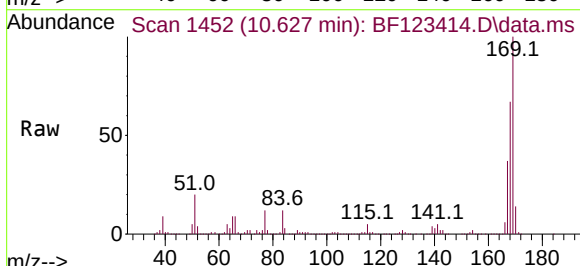
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

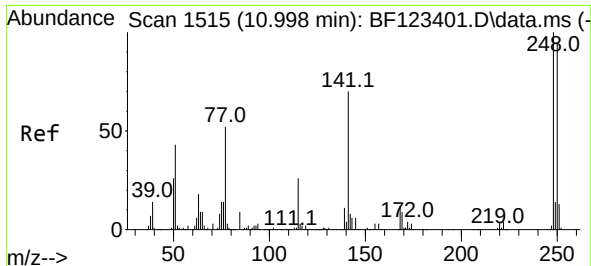
Tgt Ion:198 Resp: 177370  
Ion Ratio Lower Upper  
198 100  
51 66.0 20.3 60.3#  
105 48.0 23.0 63.0



#66  
n-Nitrosodiphenylamine  
Concen: 41.28 ng  
RT: 10.627 min Scan# 1452  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:169 Resp: 1142597  
Ion Ratio Lower Upper  
169 100  
168 67.1 54.2 81.2  
167 37.4 29.2 43.8

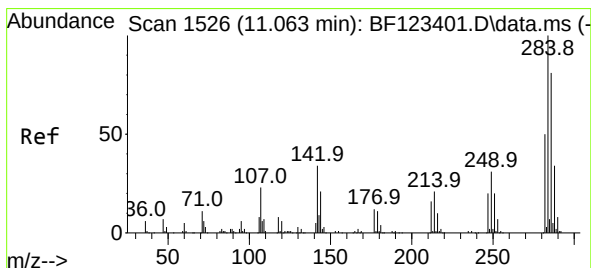
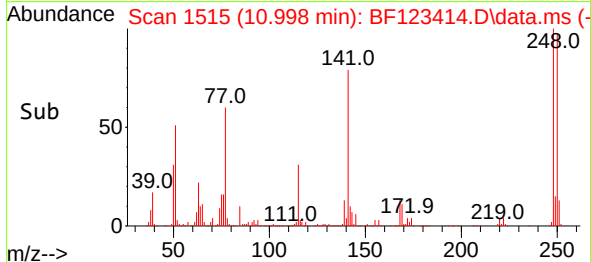
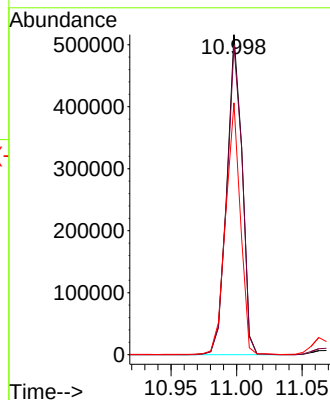
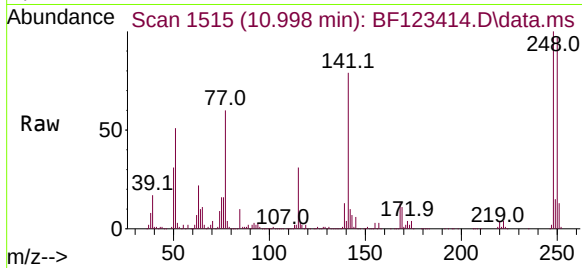




#67  
4-Bromophenyl-phenylether  
Concen: 42.65 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

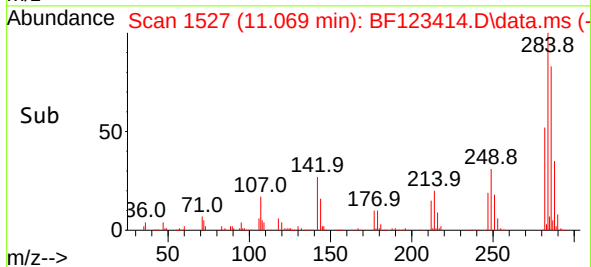
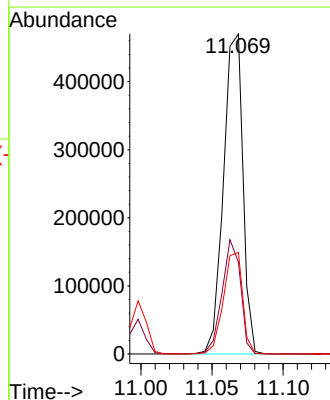
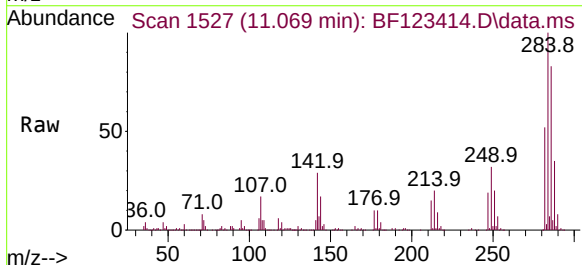
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

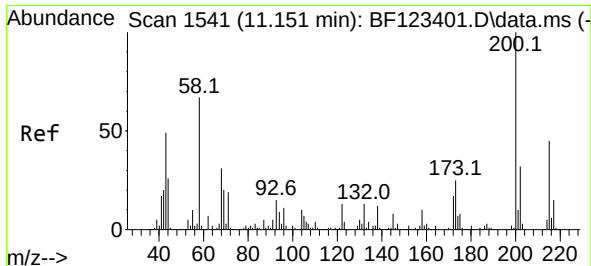
Tgt Ion:248 Resp: 417245  
Ion Ratio Lower Upper  
248 100  
250 96.6 76.8 115.2  
141 78.7 59.8 89.8



#68  
Hexachlorobenzene  
Concen: 41.42 ng  
RT: 11.069 min Scan# 1527  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:284 Resp: 446579  
Ion Ratio Lower Upper  
284 100  
142 28.7 25.6 38.4  
249 31.8 25.1 37.7

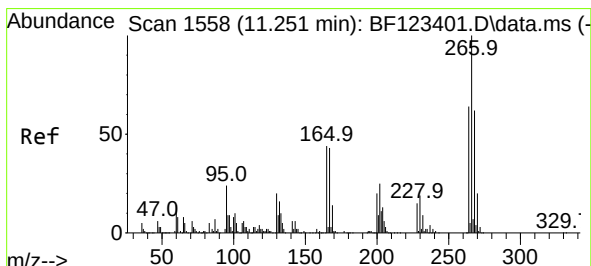
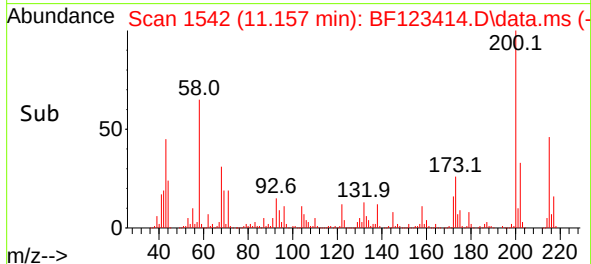
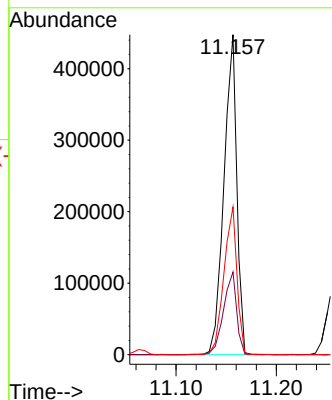
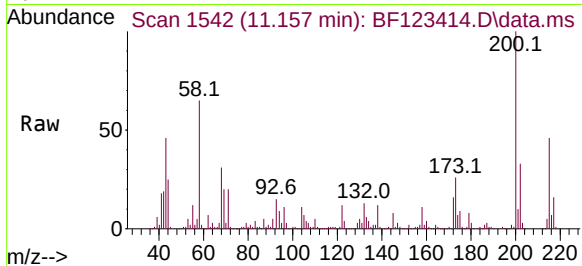




#69  
Atrazine  
Concen: 45.25 ng  
RT: 11.157 min Scan# 1542  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

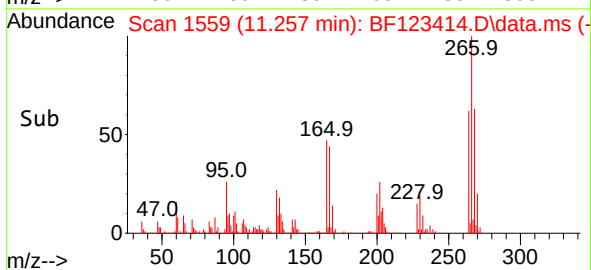
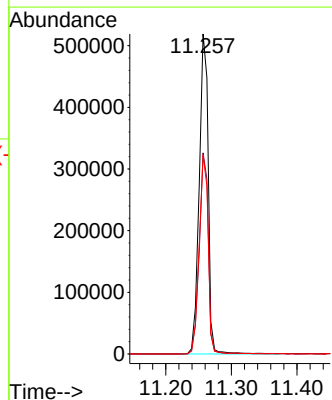
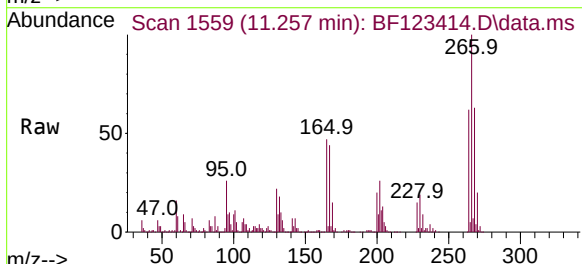
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

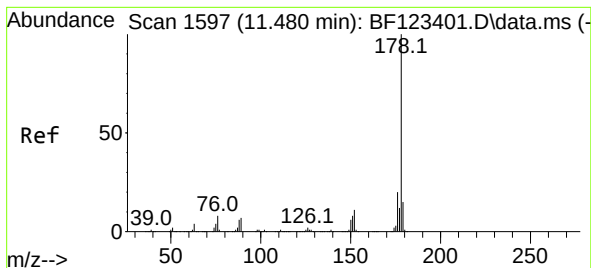
Tgt Ion:200 Resp: 398062  
Ion Ratio Lower Upper  
200 100  
173 25.9 6.6 46.6  
215 46.2 28.1 68.1



#70  
Pentachlorophenol  
Concen: 77.30 ng  
RT: 11.257 min Scan# 1559  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:266 Resp: 497252  
Ion Ratio Lower Upper  
266 100  
268 62.9 50.5 75.7  
264 62.2 49.8 74.8

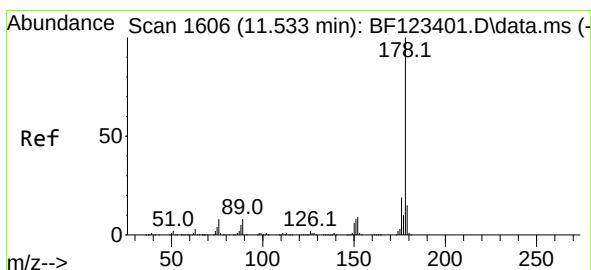
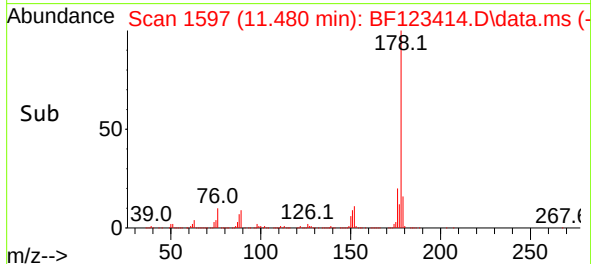
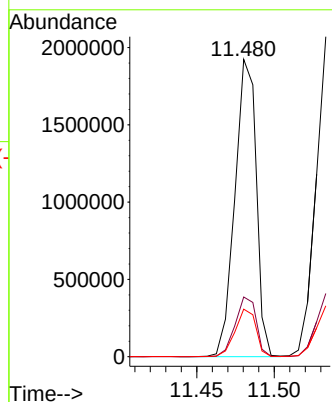
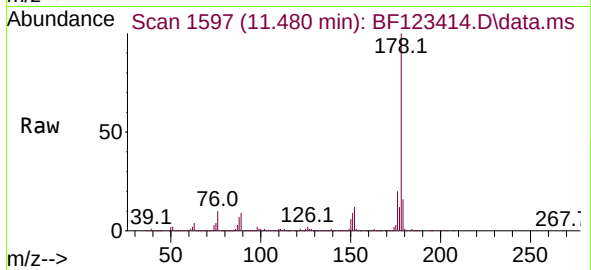




#71  
Phenanthrene  
Concen: 40.40 ng  
RT: 11.480 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

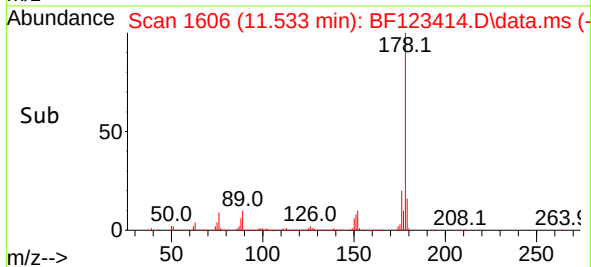
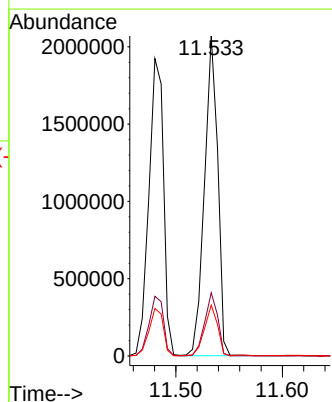
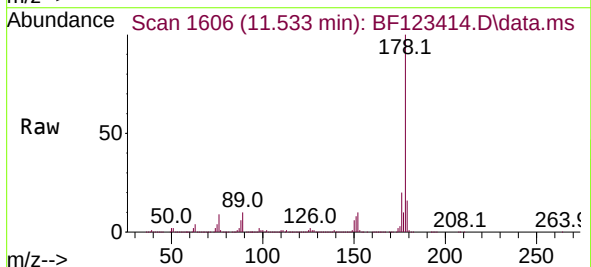
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BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

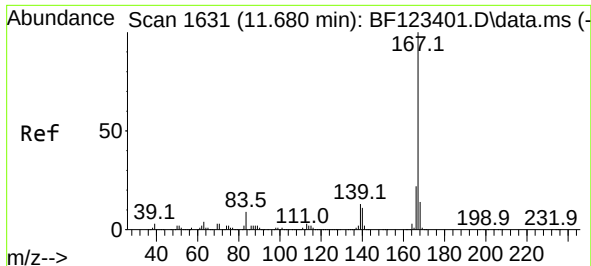
Tgt Ion:178 Resp: 1844675  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.2 24.2  
179 16.0 12.7 19.1



#72  
Anthracene  
Concen: 39.22 ng  
RT: 11.533 min Scan# 1606  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:178 Resp: 1801218  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.6 23.4  
179 15.9 12.8 19.2

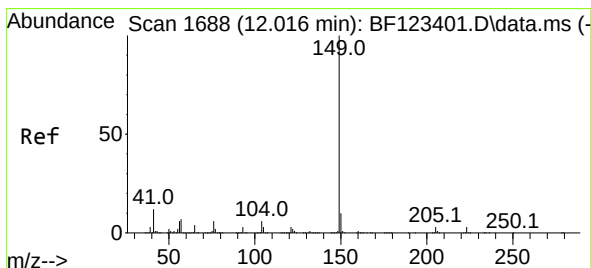
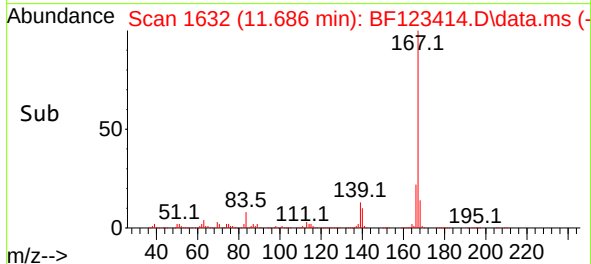
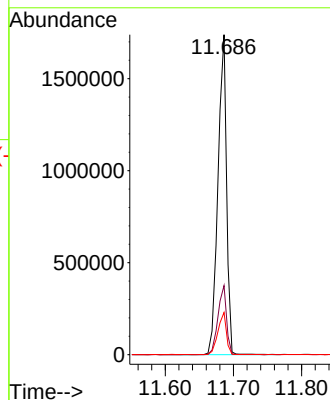
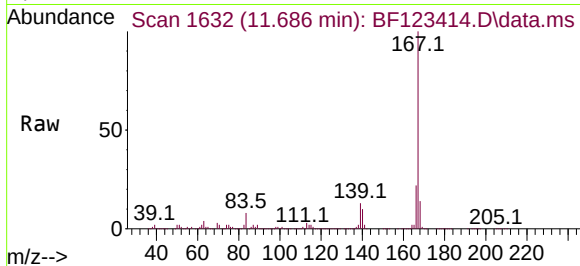




#73  
Carbazole  
Concen: 35.27 ng  
RT: 11.686 min Scan# 1632  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

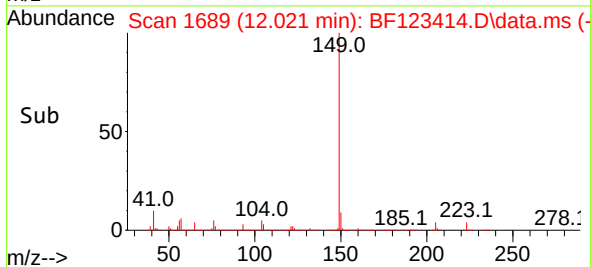
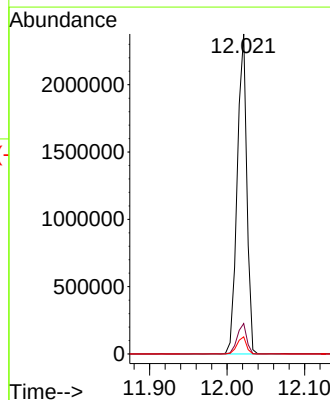
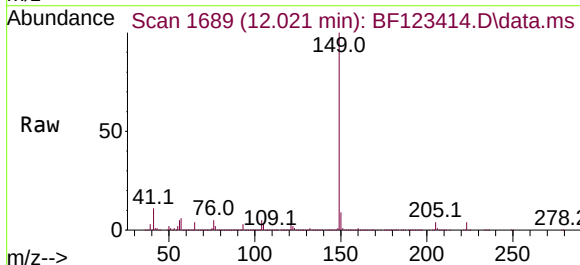
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion:167 Resp: 1530220  
Ion Ratio Lower Upper  
167 100  
166 21.6 18.0 27.0  
139 13.2 10.9 16.3

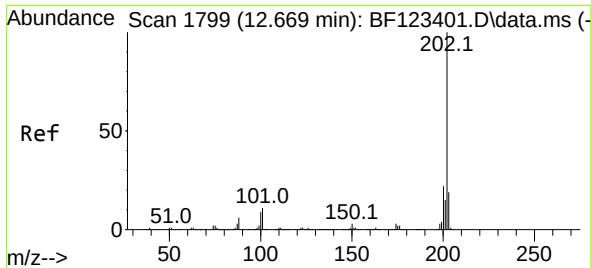


#74  
Di-n-butylphthalate  
Concen: 41.63 ng  
RT: 12.021 min Scan# 1689  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:149 Resp: 2056227  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.8 11.6  
104 5.3 4.2 6.4



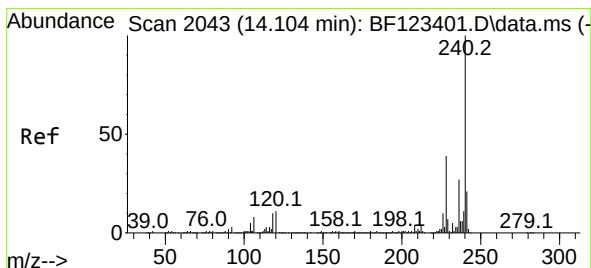
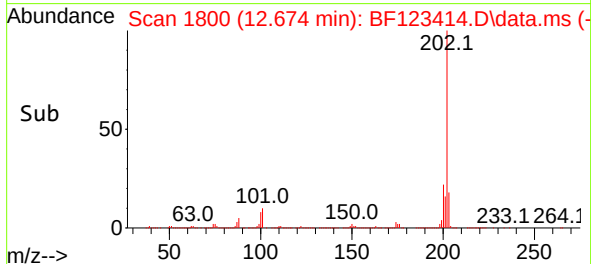
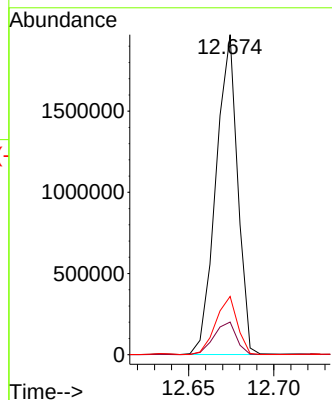
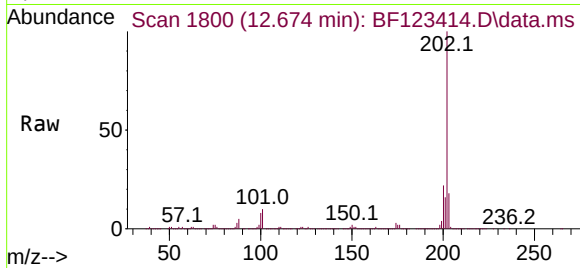




#75  
Fluoranthene  
Concen: 35.26 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

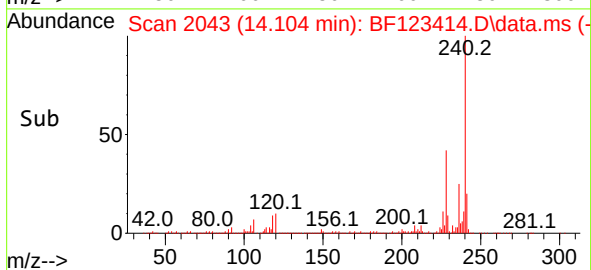
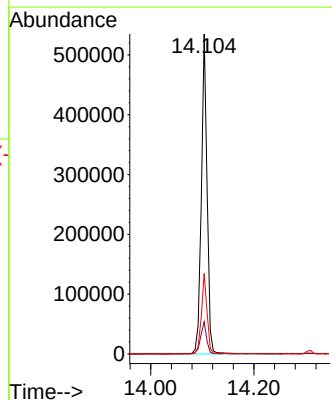
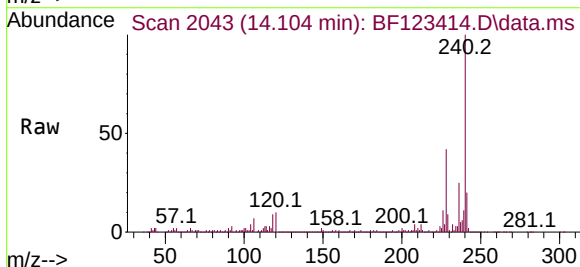
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

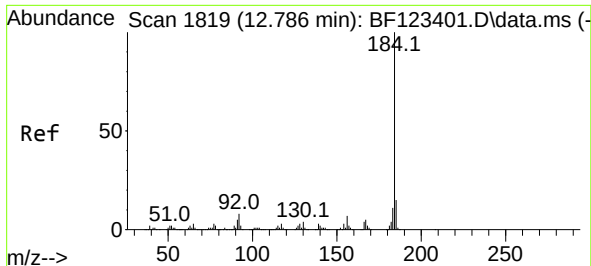
Tgt Ion:202 Resp: 1743296  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 32.2  
203 18.2 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.104 min Scan# 2043  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:240 Resp: 411387  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.6 12.8  
236 25.2 20.3 30.5

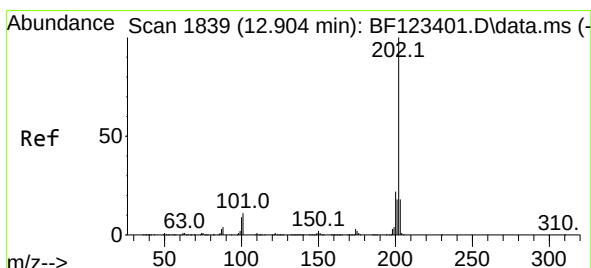
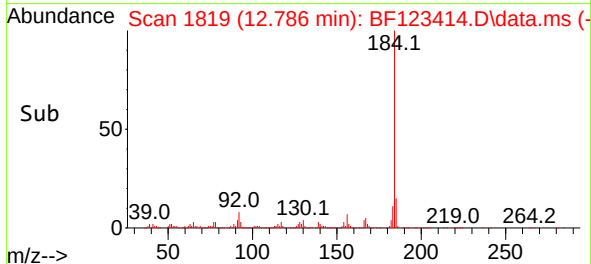
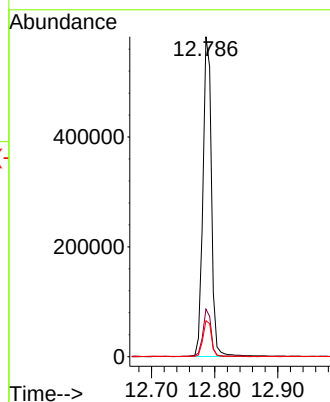
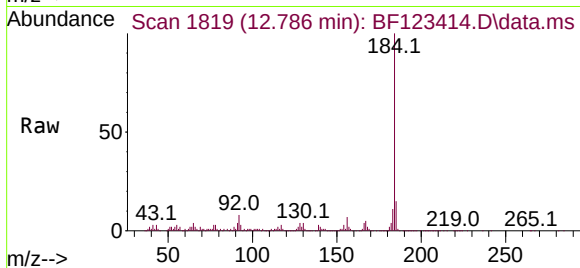




#77  
Benzidine  
Concen: 44.47 ng  
RT: 12.786 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

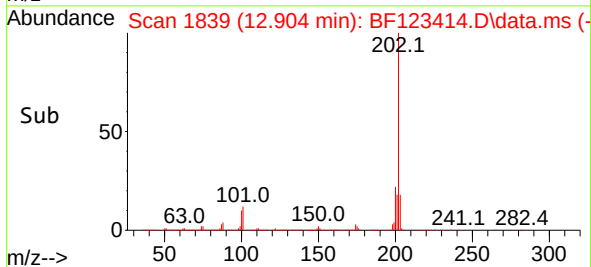
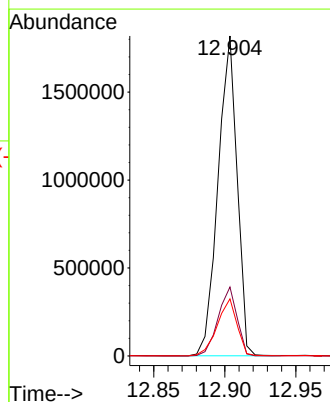
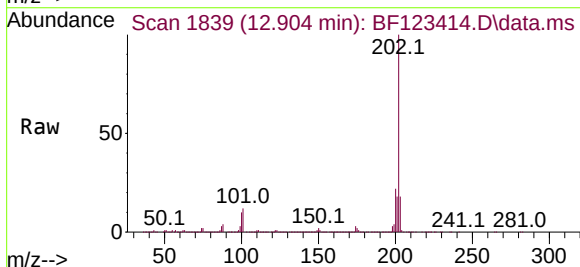
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

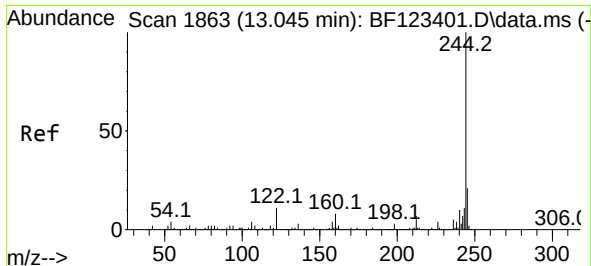
Tgt Ion:184 Resp: 544933  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.8 17.6  
183 11.3 9.7 14.5



#78  
Pyrene  
Concen: 47.74 ng  
RT: 12.904 min Scan# 1839  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:202 Resp: 1694128  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.6 26.4  
203 17.9 14.6 21.8

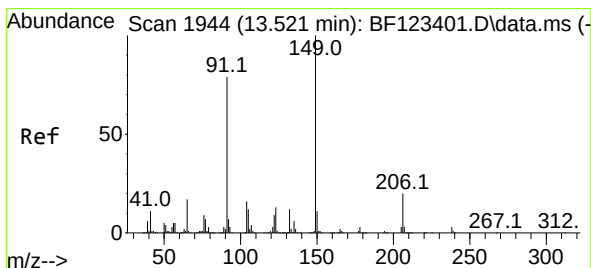
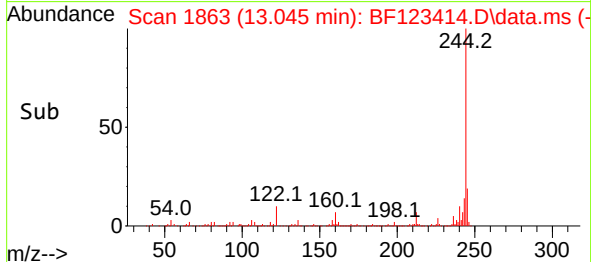
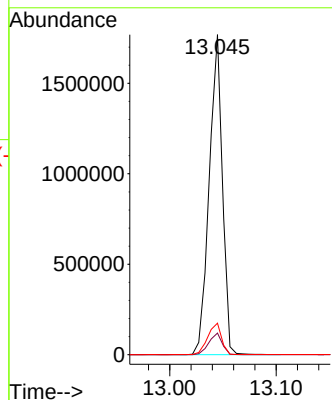
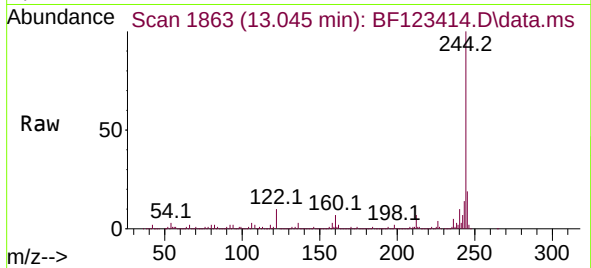




#79  
Terphenyl-d14  
Concen: 62.97 ng  
RT: 13.045 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

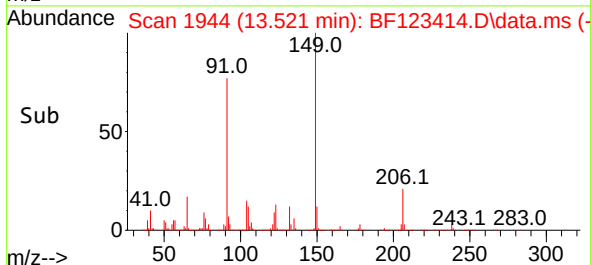
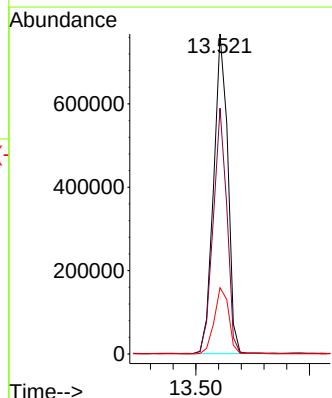
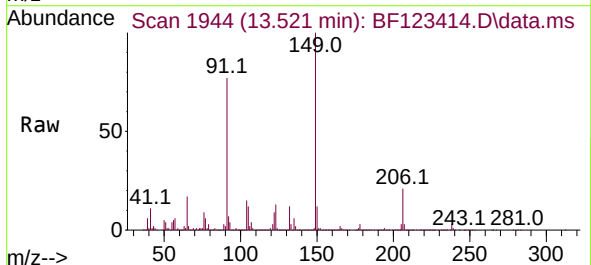
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

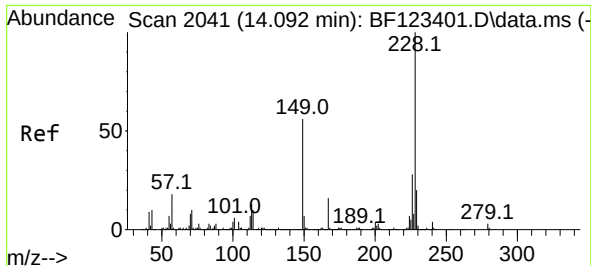
Tgt Ion:244 Resp: 1528479  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.7 8.5  
122 9.8 8.3 12.5



#80  
Butylbenzylphthalate  
Concen: 50.39 ng  
RT: 13.521 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:149 Resp: 663177  
Ion Ratio Lower Upper  
149 100  
91 76.8 56.5 84.7  
206 20.7 17.0 25.6

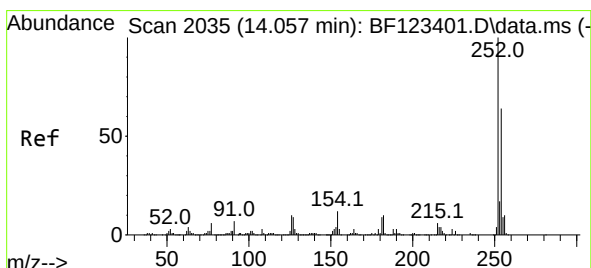
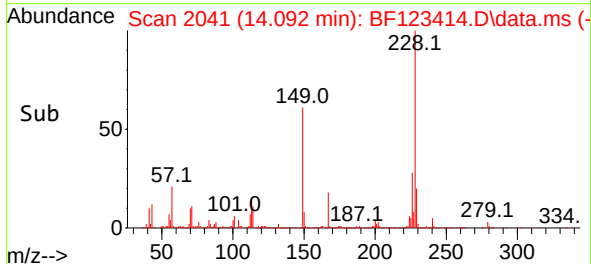
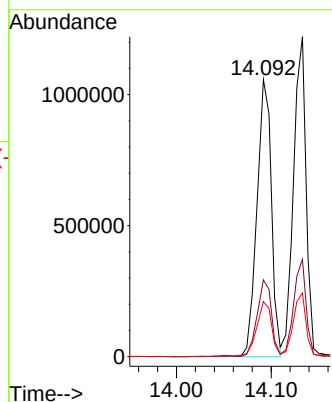
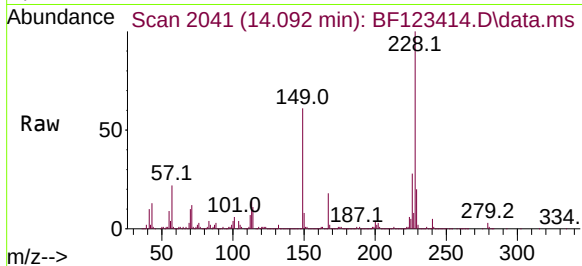




#81  
Benzo(a)anthracene  
Concen: 41.68 ng  
RT: 14.092 min Scan# 2041  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

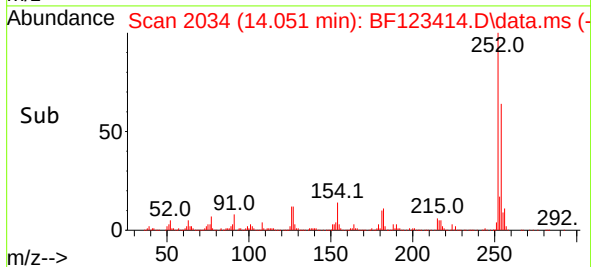
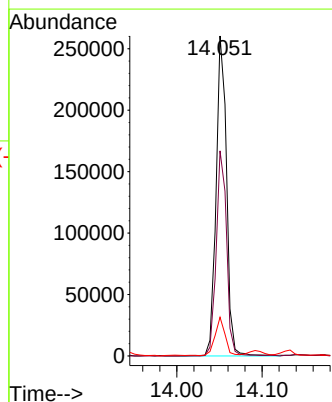
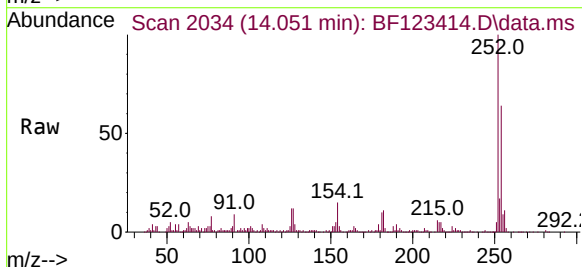
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

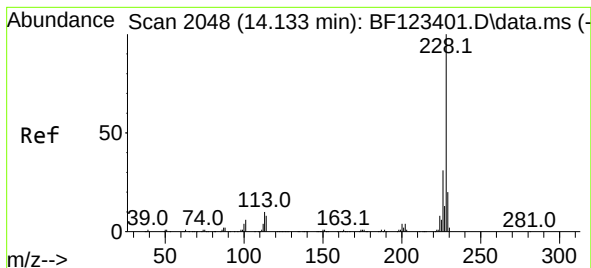
Tgt Ion:228 Resp: 1122307  
Ion Ratio Lower Upper  
228 100  
226 27.7 23.0 34.4  
229 19.9 16.6 24.8



#82  
3,3'-Dichlorobenzidine  
Concen: 25.53 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:252 Resp: 223632  
Ion Ratio Lower Upper  
252 100  
254 64.1 52.7 79.1  
126 12.1 8.0 12.0#





#83

Chrysene

Concen: 40.42 ng

RT: 14.133 min Scan# 2048

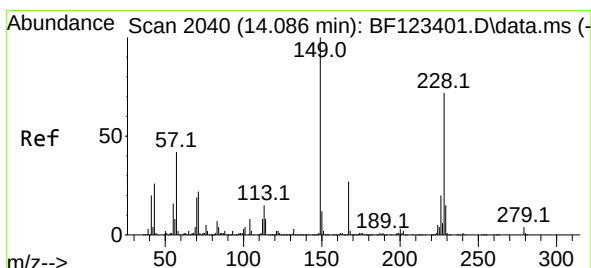
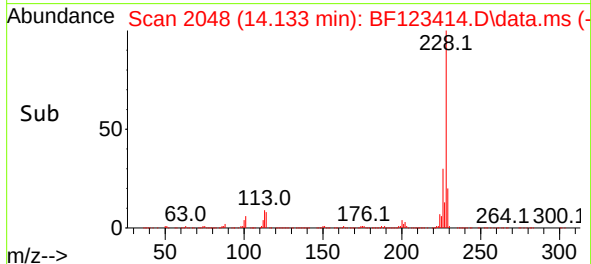
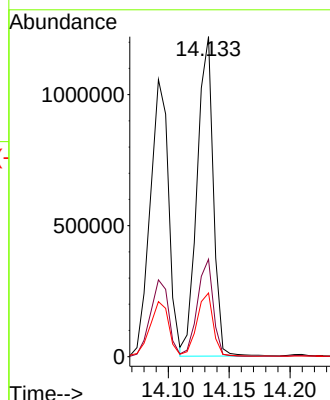
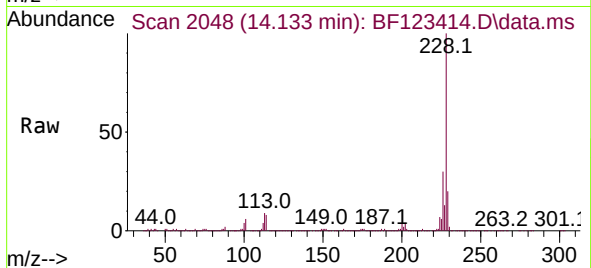
Delta R.T. -0.000 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion:228 Resp: 1123676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.5  | 24.6  | 36.8  |
| 229 | 19.9  | 15.8  | 23.6  |



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.63 ng

RT: 14.086 min Scan# 2040

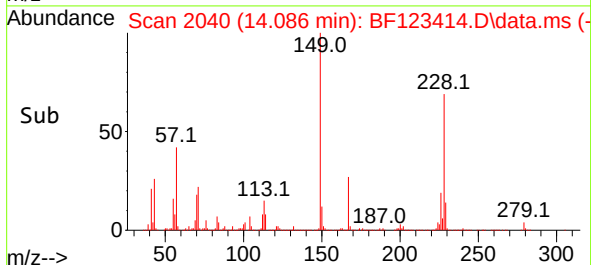
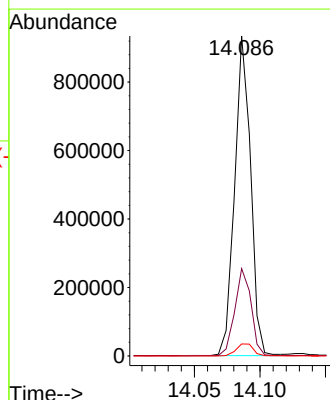
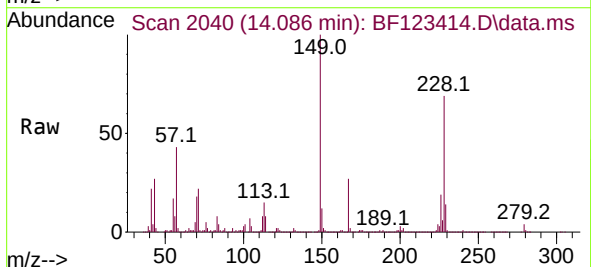
Delta R.T. -0.000 min

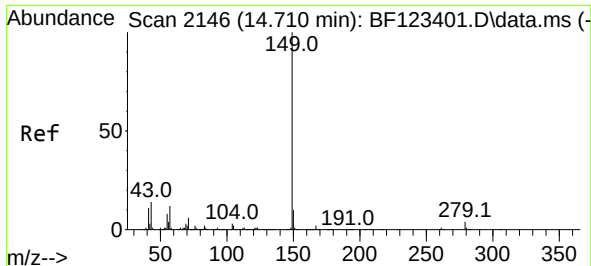
Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion:149 Resp: 790618

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.3  | 21.4  | 32.2  |
| 279 | 3.7   | 3.4   | 5.0   |

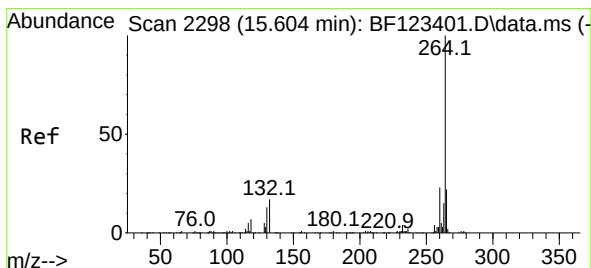
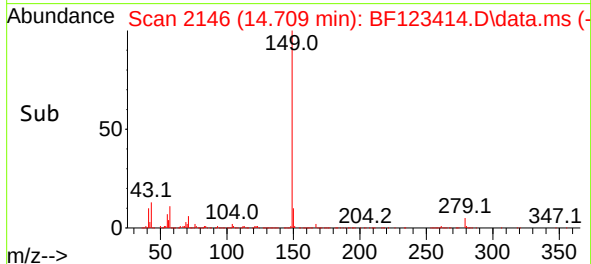
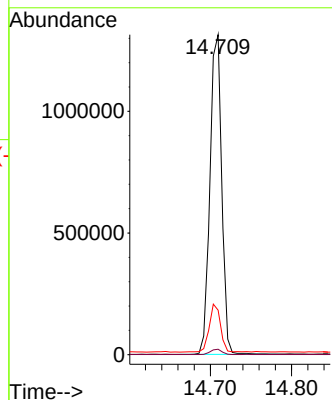
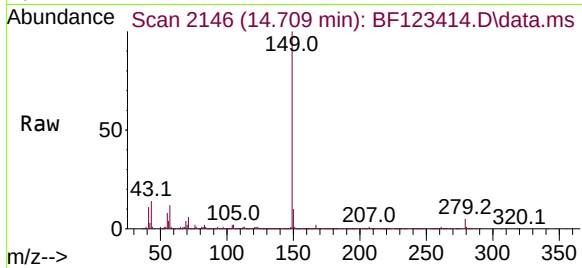




#85  
Di-n-octyl phthalate  
Concen: 48.13 ng  
RT: 14.709 min Scan# 2146  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

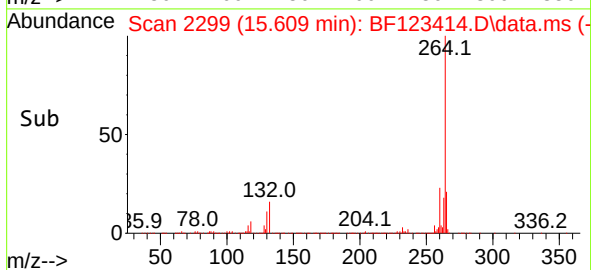
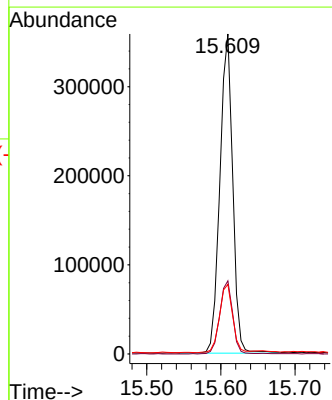
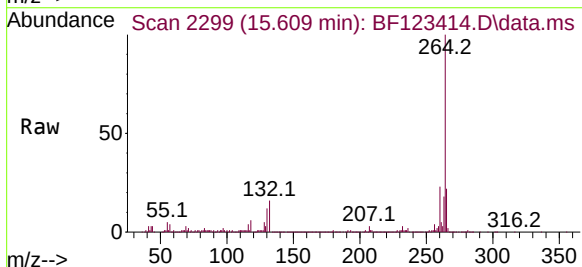
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

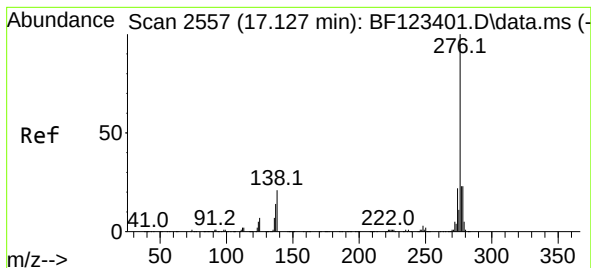
Tgt Ion:149 Resp: 1318173  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 14.3 7.6 11.4#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.609 min Scan# 2299  
Delta R.T. 0.006 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:264 Resp: 432125  
Ion Ratio Lower Upper  
264 100  
260 22.8 18.6 28.0  
265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.44 ng

RT: 17.139 min Scan# 2559

Delta R.T. 0.012 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

Tgt Ion:276 Resp: 1354503

Ion Ratio Lower Upper

276 100

138 22.5 18.7 28.1

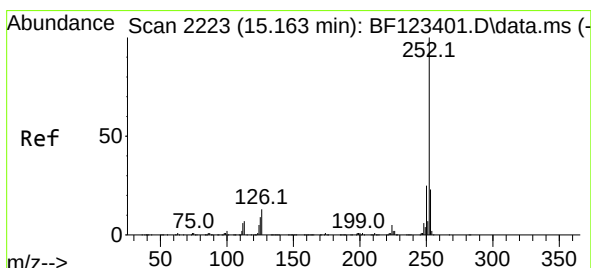
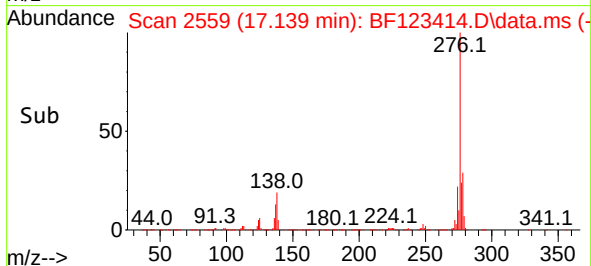
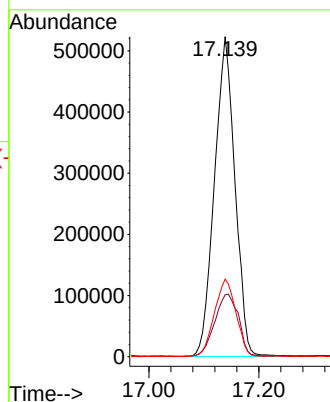
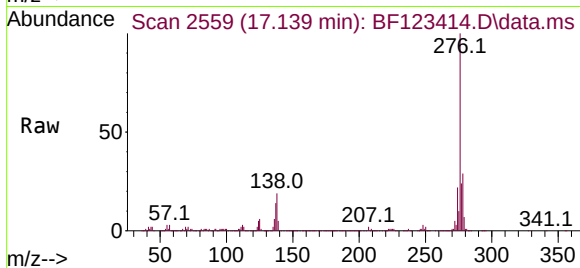
277 25.4 20.2 30.4

Instrument :

BNA\_F

ClientSampleId :

SP-MANHOLEMSD



#88

Benzo(b)fluoranthene

Concen: 38.30 ng

RT: 15.168 min Scan# 2224

Delta R.T. 0.006 min

Lab File: BF123414.D

Acq: 23 Mar 2021 20:58

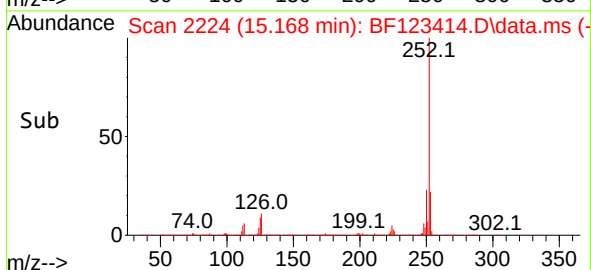
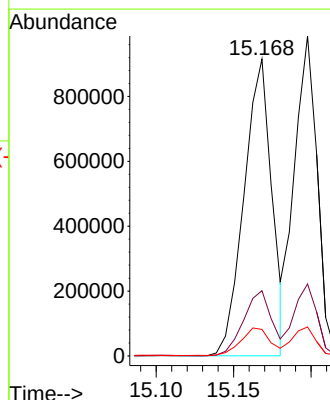
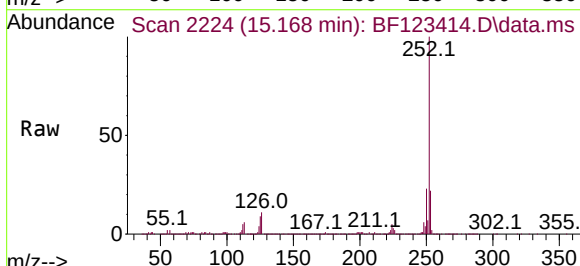
Tgt Ion:252 Resp: 1141941

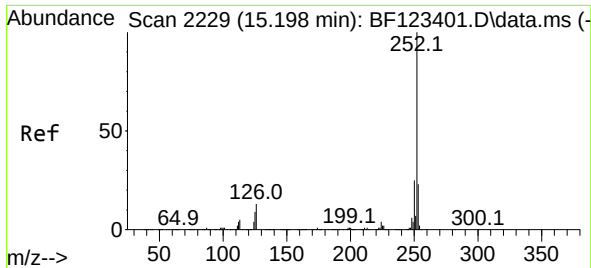
Ion Ratio Lower Upper

252 100

253 22.0 18.3 27.5

125 9.0 8.1 12.1

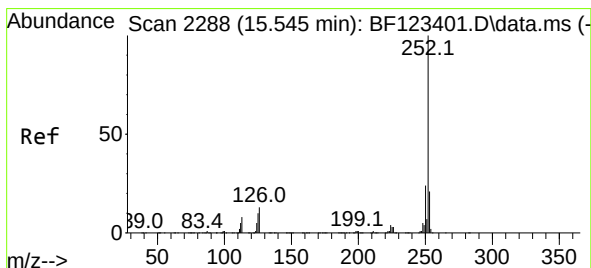
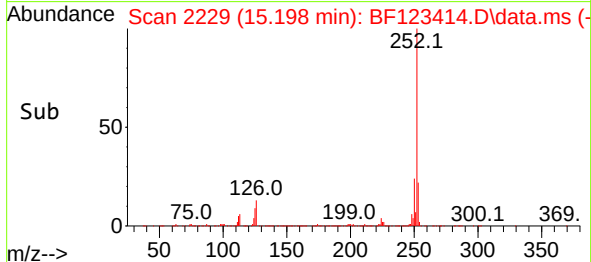
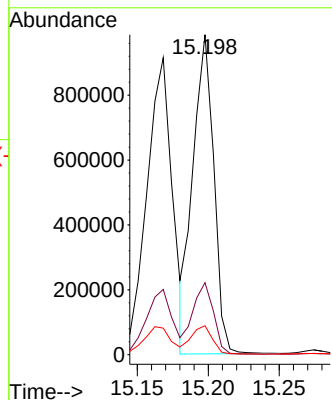
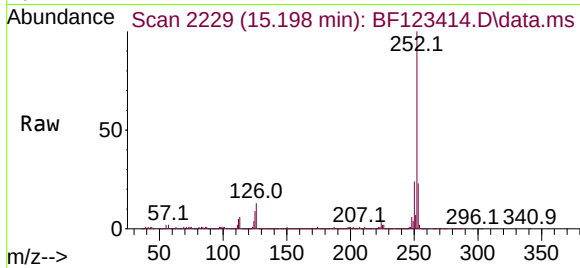




#89  
Benzo(k)fluoranthene  
Concen: 35.79 ng  
RT: 15.198 min Scan# 2229  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

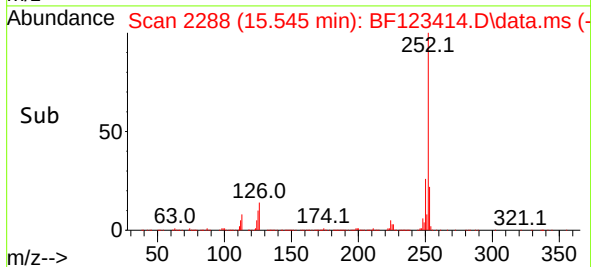
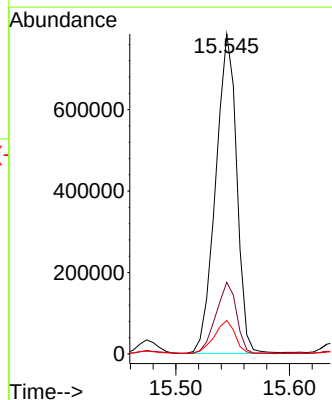
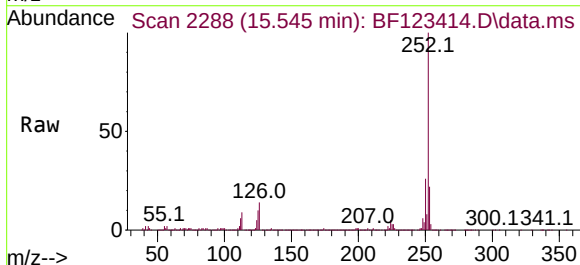
Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion:252 Resp: 1008697  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.8  
125 9.1 8.4 12.6

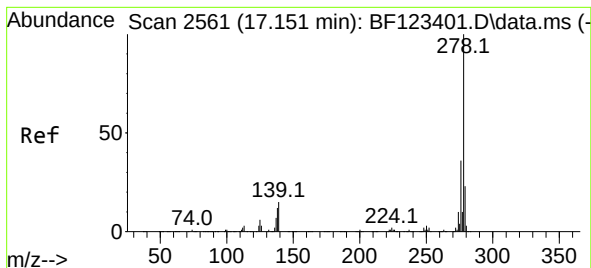


#90  
Benzo(a)pyrene  
Concen: 39.35 ng  
RT: 15.545 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:252 Resp: 1012548  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.5 26.3  
125 10.4 8.6 12.8



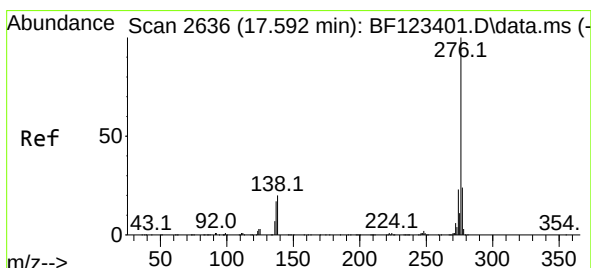
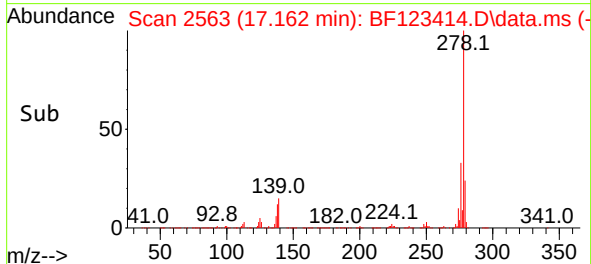
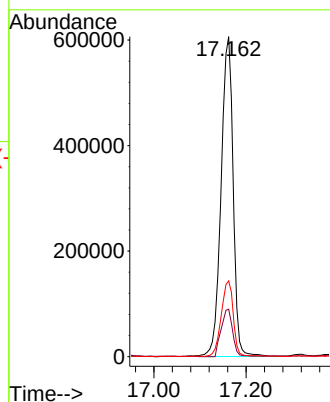
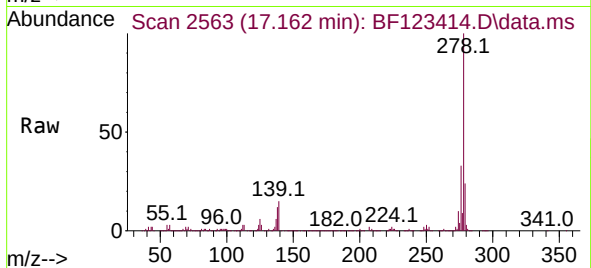




#91  
Dibenzo(a,h)anthracene  
Concen: 48.21 ng  
RT: 17.162 min Scan# 2563  
Delta R.T. 0.012 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Instrument :  
BNA\_F  
ClientSampleId :  
SP-MANHOLEMSD

Tgt Ion:278 Resp: 1098946  
Ion Ratio Lower Upper  
278 100  
139 14.8 12.0 18.0  
279 23.7 19.4 29.2



#92  
Benzo(g,h,i)perylene  
Concen: 49.29 ng  
RT: 17.609 min Scan# 2639  
Delta R.T. 0.017 min  
Lab File: BF123414.D  
Acq: 23 Mar 2021 20:58

Tgt Ion:276 Resp: 1124886  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.3 28.9  
138 18.0 16.6 24.8

