

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080323\  
 Data File : BP016488.D  
 Acq On : 03 Aug 2023 12:51  
 Operator : MA/JU  
 Sample : PB154404BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB154404BS

Quant Time: Aug 03 13:21:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 01:48:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.075  | 152  | 412667   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.904 | 136  | 1532529  | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.722 | 164  | 798989   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.486 | 188  | 1532365  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.586 | 240  | 1259877  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.180 | 264  | 1417706  | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 3500381  | 138.382 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.216  | 99   | 4231826  | 122.056 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 9.269  | 82   | 2573163  | 93.990  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.216 | 330  | 1266121  | 107.716 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.345 | 172  | 5103784  | 91.580  | ng    | -0.02    |
| 79) Terphenyl-d14             | 20.033 | 244  | 6240063  | 104.626 | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.440  | 88   | 453199   | 45.938  | ng    | 99       |
| 3) Pyridine                   | 3.858  | 79   | 1196969  | 40.590  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.781  | 42   | 525813   | 47.291  | ng    | 97       |
| 6) Aniline                    | 7.404  | 93   | 1349834  | 31.520  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.622  | 128  | 1303992  | 49.167  | ng    | 96       |
| 9) Benzaldehyde               | 7.222  | 77   | 716225   | 46.360  | ng    | 99       |
| 10) Phenol                    | 7.240  | 94   | 1620460  | 48.128  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.504  | 93   | 1286466  | 47.003  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.952  | 146  | 1440743  | 50.603  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.110  | 146  | 1466858  | 50.789  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.422  | 146  | 1393281  | 50.104  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.322  | 79   | 1079117  | 45.557  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.604  | 45   | 1462338  | 47.112  | ng    | 100      |
| 17) 2-Methylphenol            | 8.510  | 107  | 1041100  | 42.904  | ng    | 98       |
| 18) Hexachloroethane          | 9.151  | 117  | 544923   | 52.896  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.893  | 70   | 903565   | 41.599  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.840  | 107  | 1406463  | 42.677  | ng    | 100      |
| 22) Acetophenone              | 8.922  | 105  | 1901902  | 49.153  | ng    | # 99     |
| 24) Nitrobenzene              | 9.310  | 77   | 1397410  | 49.696  | ng    | 96       |
| 25) Isophorone                | 9.828  | 82   | 2423637  | 43.849  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.016 | 139  | 615047   | 50.570  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 10.051 | 122  | 1086744  | 43.949  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.316 | 93   | 1560375  | 46.088  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.540 | 162  | 1088441  | 47.034  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.751 | 180  | 1211165  | 48.320  | ng    | 99       |
| 31) Naphthalene               | 10.957 | 128  | 3716191  | 46.358  | ng    | 99       |
| 32) Benzoic acid              | 10.181 | 122  | 699512   | 43.756  | ng    | 98       |
| 33) 4-Chloroaniline           | 11.081 | 127  | 683296   | 18.897  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.193 | 225  | 691217   | 46.578  | ng    | 99       |
| 35) Caprolactam               | 11.898 | 113  | 328319   | 38.826  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.175 | 107  | 1122640  | 43.642  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.557 | 142  | 2434117  | 41.798  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.775 | 142  | 2305909  | 42.235  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.904 | 216  | 1221949  | 50.326  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.857 | 237  | 1521877  | 124.799 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.151 | 196  | 791394   | 50.798  | ng    | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

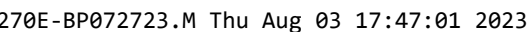
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB154404BS

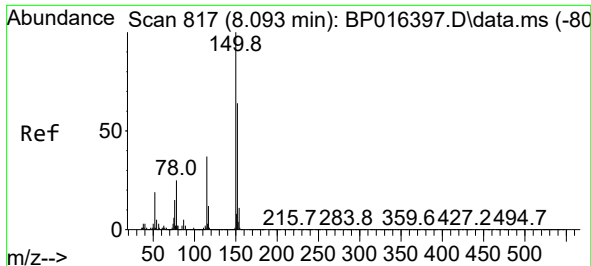
Quant Time: Aug 03 13:21:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 01:48:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.216 | 196  | 855392   | 45.256 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.557 | 154  | 3020897  | 49.600 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.604 | 162  | 2358557  | 51.330 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.828 | 65   | 653015   | 50.417 | ng    | 98       |
| 49) Acenaphthylene            | 14.451 | 152  | 3742139  | 49.084 | ng    | 100      |
| 50) Dimethylphthalate         | 14.181 | 163  | 2724453  | 43.758 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.316 | 165  | 596232   | 46.744 | ng    | 89       |
| 52) Acenaphthene              | 14.786 | 154  | 2136261  | 47.121 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.651 | 138  | 439463   | 30.475 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.851 | 184  | 573316   | 94.471 | ng    | 96       |
| 55) Dibenzofuran              | 15.122 | 168  | 3376864  | 45.416 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.939 | 139  | 1102687  | 97.684 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 15.098 | 165  | 782068   | 47.046 | ng    | 93       |
| 58) Fluorene                  | 15.775 | 166  | 2625217  | 44.941 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.333 | 232  | 700466   | 45.051 | ng    | 93       |
| 60) Diethylphthalate          | 15.533 | 149  | 2648687  | 42.807 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.763 | 204  | 1280442  | 43.438 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.822 | 138  | 603625   | 42.179 | ng    | 98       |
| 63) Azobenzene                | 16.057 | 77   | 2692274  | 46.081 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 198  | 372400   | 51.389 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.986 | 169  | 2284099  | 50.578 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.669 | 248  | 768804   | 47.382 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.751 | 284  | 876825   | 48.458 | ng    | 96       |
| 69) Atrazine                  | 16.939 | 200  | 749288   | 55.790 | ng    | 99       |
| 70) Pentachlorophenol         | 17.110 | 266  | 994620   | 79.431 | ng    | 94       |
| 71) Phenanthrene              | 17.533 | 178  | 3968794  | 48.776 | ng    | 99       |
| 72) Anthracene                | 17.622 | 178  | 3992358  | 48.795 | ng    | 99       |
| 73) Carbazole                 | 17.904 | 167  | 3662260  | 47.742 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.416 | 149  | 4268547  | 48.098 | ng    | 99       |
| 75) Fluoranthene              | 19.492 | 202  | 4286426  | 44.945 | ng    | 98       |
| 77) Benzidine                 | 19.686 | 184  | 1746941  | 79.976 | ng    | 99       |
| 78) Pyrene                    | 19.845 | 202  | 4449998  | 52.690 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 1815367  | 54.714 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.568 | 228  | 4115985  | 48.691 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.504 | 252  | 1016158  | 36.620 | ng    | # 99     |
| 83) Chrysene                  | 21.627 | 228  | 3822652  | 47.356 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.451 | 149  | 2596342  | 52.121 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.445 | 149  | 4392475  | 52.429 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.951 | 276  | 5107942  | 53.442 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.368 | 252  | 4182015  | 50.889 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.368 | 252  | 4182015  | 50.037 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.062 | 252  | 3700756  | 46.492 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.980 | 278  | 4231642  | 53.089 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.815 | 276  | 4128342  | 53.746 | ng    | 98       |

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

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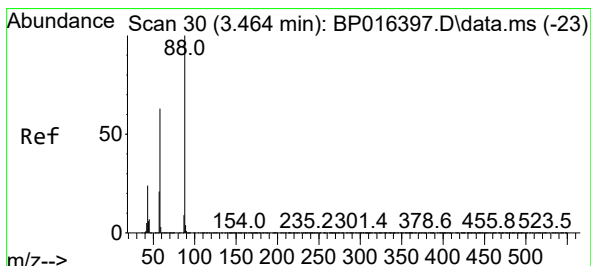
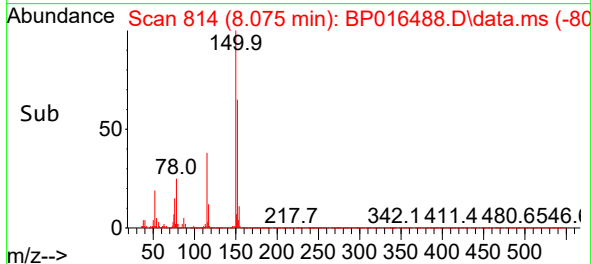
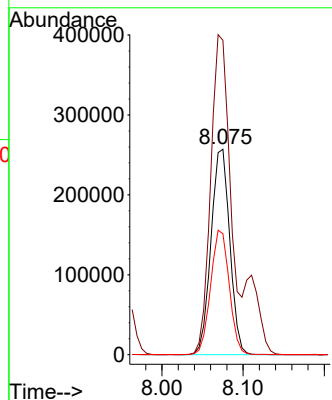
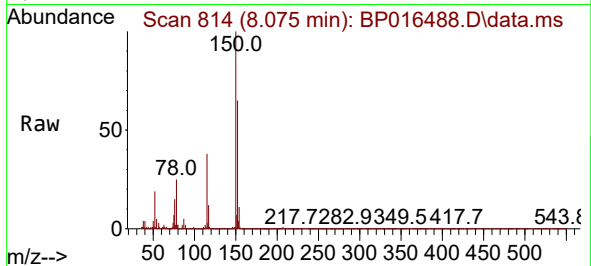




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.075 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

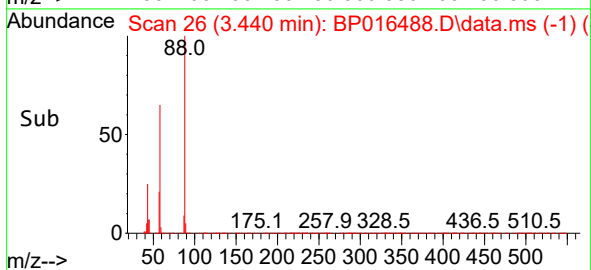
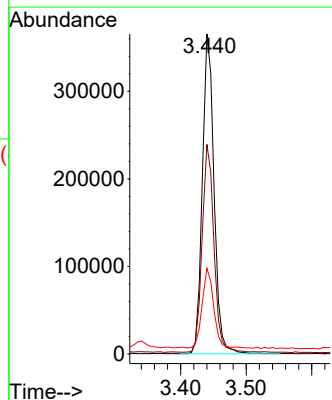
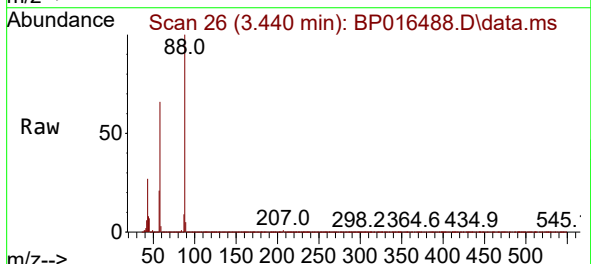
Instrument :  
BNA\_P  
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PB154404BS

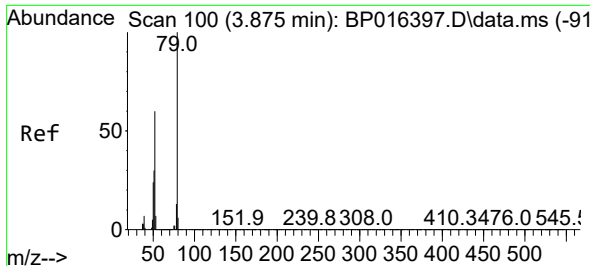
Tgt Ion:152 Resp: 412667  
Ion Ratio Lower Upper  
152 100  
150 153.1 124.9 187.3  
115 58.8 46.8 70.2



#2  
1,4-Dioxane  
Concen: 45.938 ng  
RT: 3.440 min Scan# 26  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 88 Resp: 453199  
Ion Ratio Lower Upper  
88 100  
58 65.4 51.7 77.5  
43 24.9 19.2 28.8

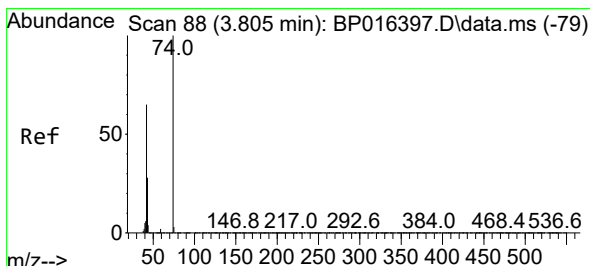
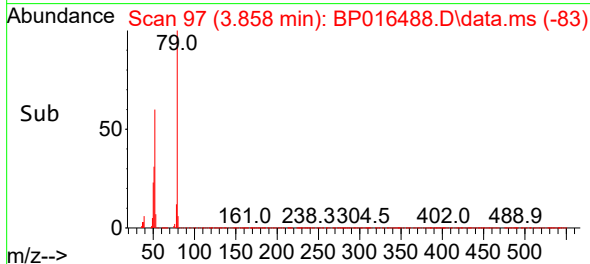
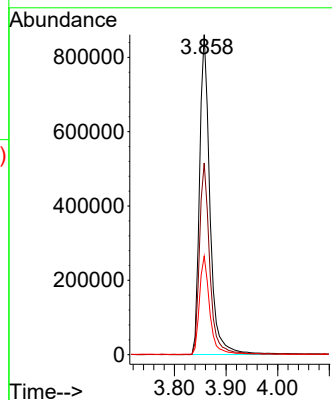
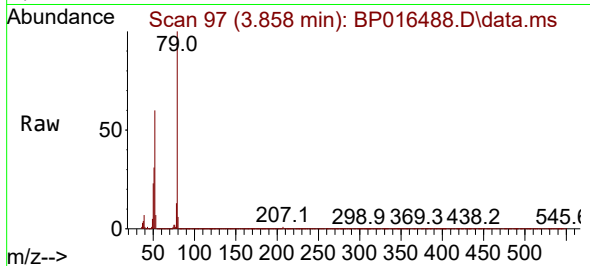




#3  
Pyridine  
Concen: 40.590 ng  
RT: 3.858 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

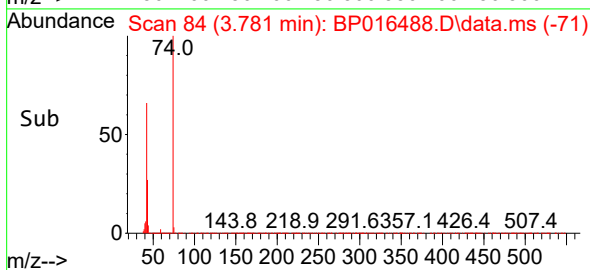
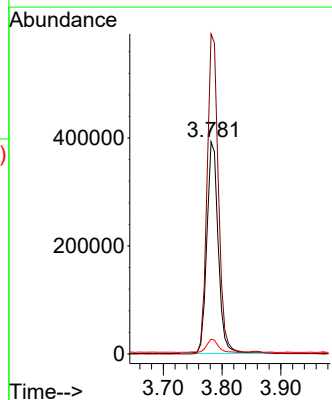
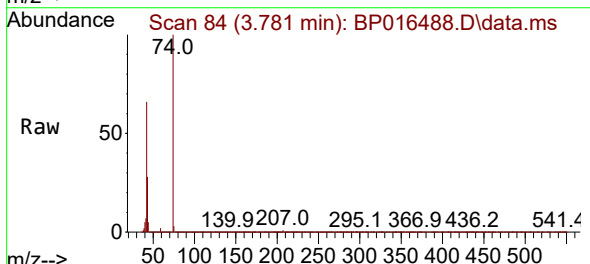
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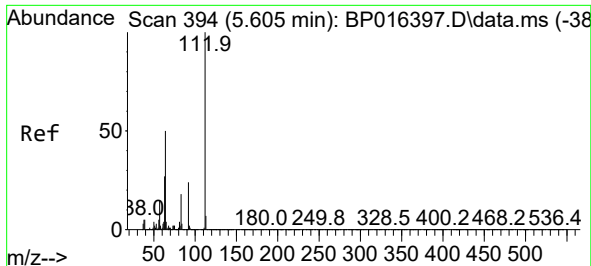
Tgt Ion: 79 Resp: 1196969  
Ion Ratio Lower Upper  
79 100  
52 59.9 47.9 71.9  
51 30.7 24.4 36.6



#4  
n-Nitrosodimethylamine  
Concen: 47.291 ng  
RT: 3.781 min Scan# 84  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 42 Resp: 525813  
Ion Ratio Lower Upper  
42 100  
74 150.8 123.8 185.8  
44 7.0 5.5 8.3

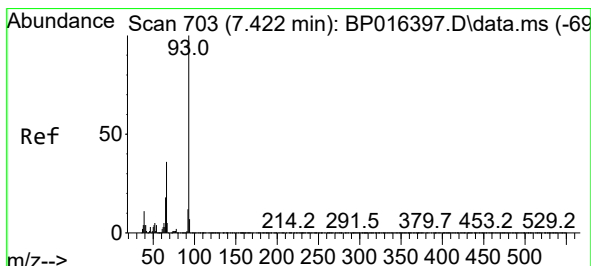
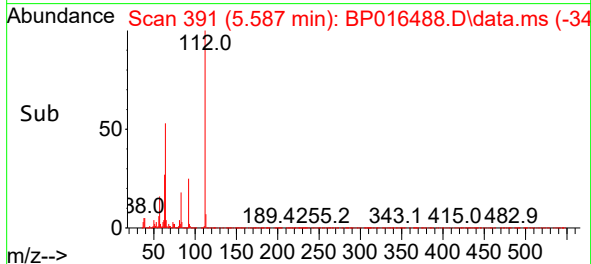
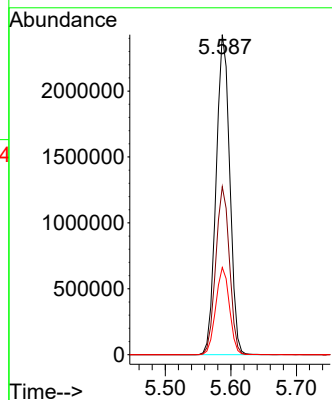
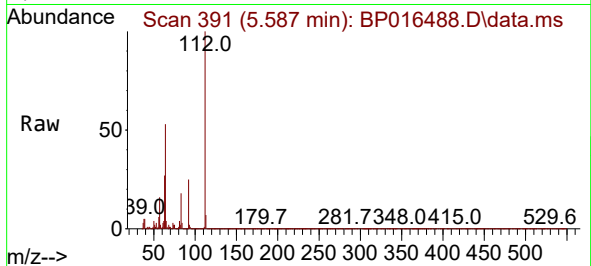




#5  
2-Fluorophenol  
Concen: 138.382 ng  
RT: 5.587 min Scan# 394  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

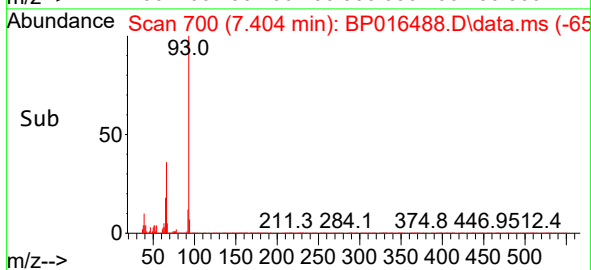
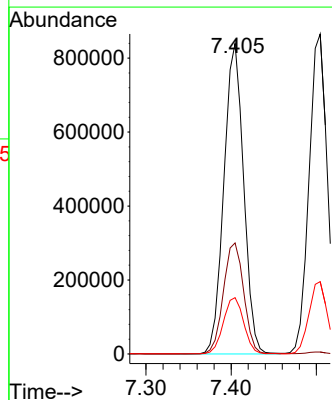
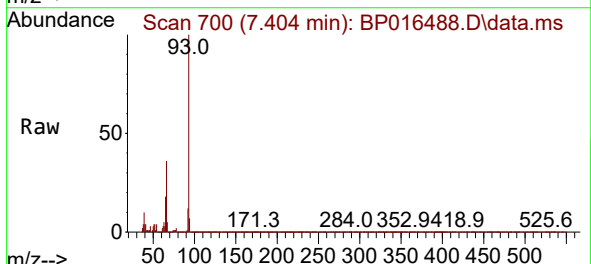
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ClientSampleId :  
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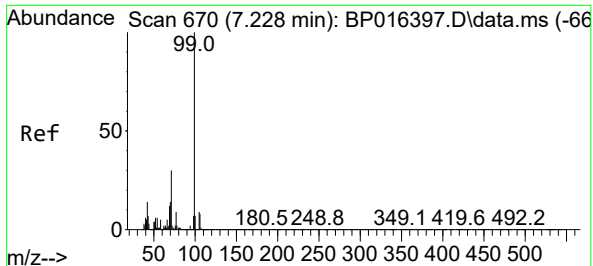
Tgt Ion:112 Resp: 3500381  
Ion Ratio Lower Upper  
112 100  
64 52.5 40.0 60.0  
63 27.2 21.2 31.8



#6  
Aniline  
Concen: 31.520 ng  
RT: 7.404 min Scan# 700  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 93 Resp: 1349834  
Ion Ratio Lower Upper  
93 100  
66 35.8 28.9 43.3  
65 18.1 14.7 22.1

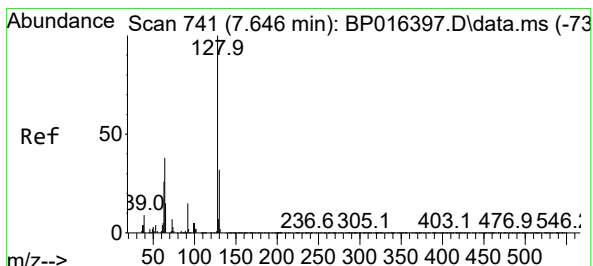
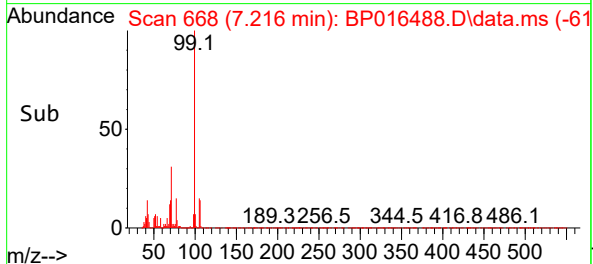
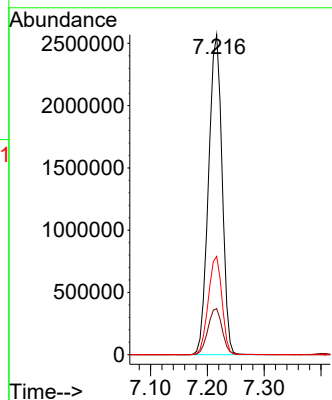
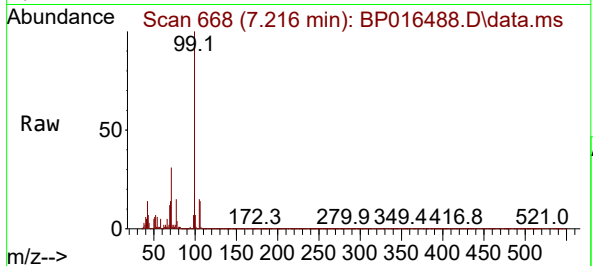




#7  
Phenol-d6  
Concen: 122.056 ng  
RT: 7.216 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

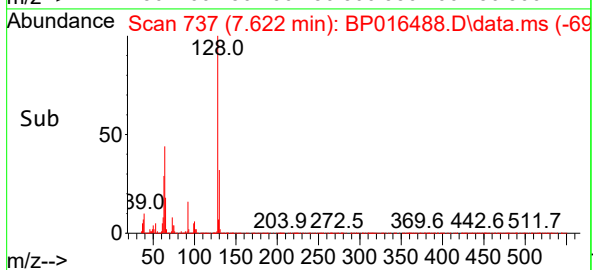
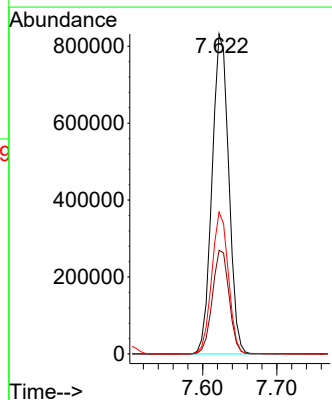
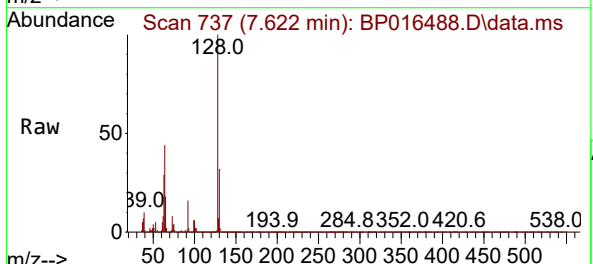
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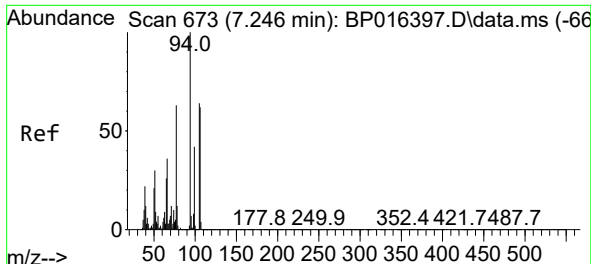
Tgt Ion: 99 Resp: 4231826  
Ion Ratio Lower Upper  
99 100  
42 14.4 11.6 17.4  
71 30.7 24.3 36.5



#8  
2-Chlorophenol  
Concen: 49.167 ng  
RT: 7.622 min Scan# 737  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:128 Resp: 1303992  
Ion Ratio Lower Upper  
128 100  
130 32.4 11.6 51.6  
64 44.4 20.6 60.6

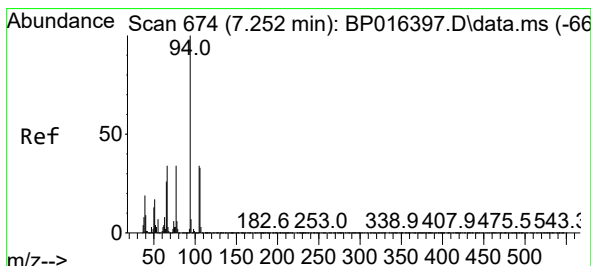
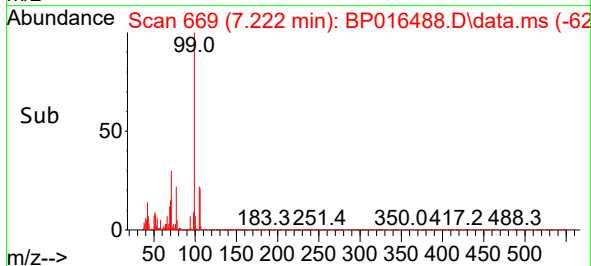
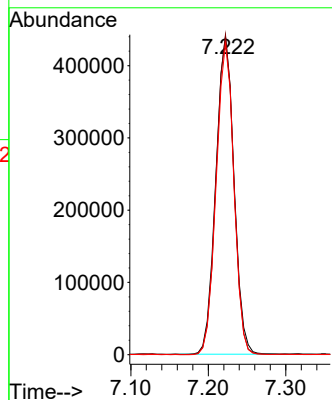
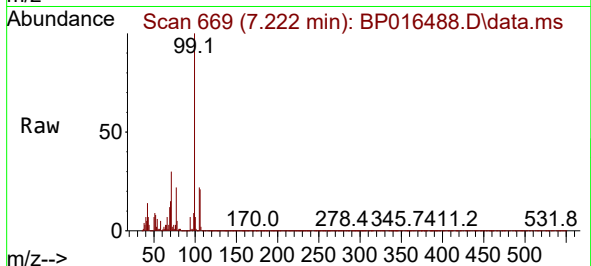




#9  
Benzaldehyde  
Concen: 46.360 ng  
RT: 7.222 min Scan# 610  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

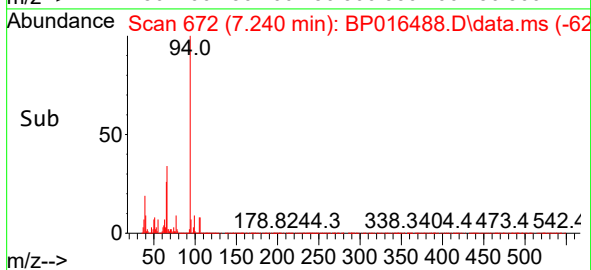
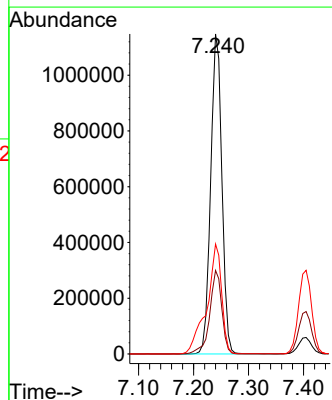
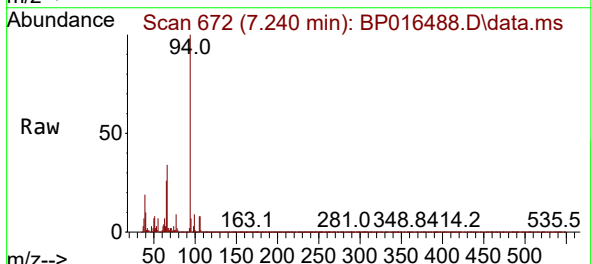
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

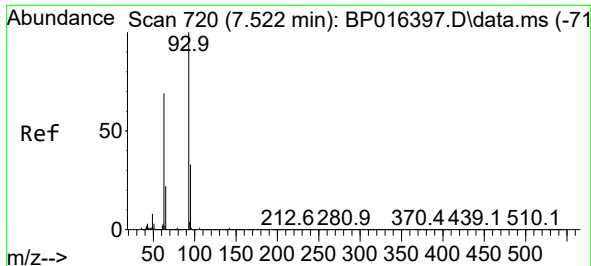
Tgt Ion: 77 Resp: 716225  
Ion Ratio Lower Upper  
77 100  
105 100.5 81.9 121.9  
106 97.8 78.8 118.8



#10  
Phenol  
Concen: 48.128 ng  
RT: 7.240 min Scan# 672  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 94 Resp: 1620460  
Ion Ratio Lower Upper  
94 100  
65 26.1 5.9 45.9  
66 34.3 14.3 54.3

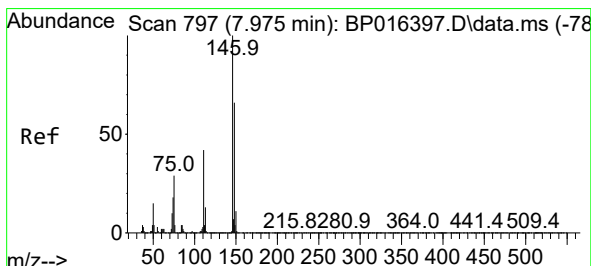
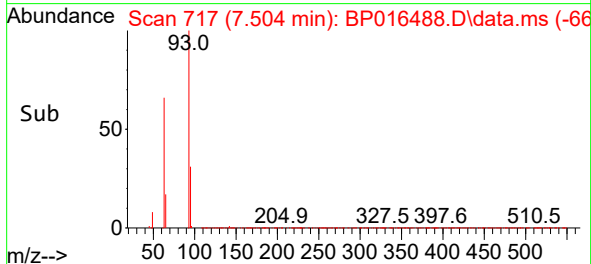
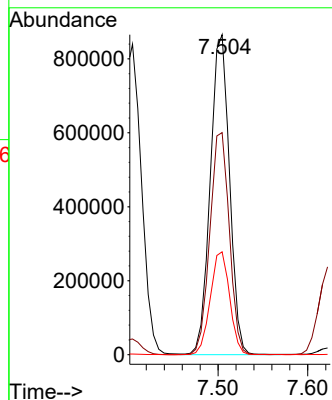
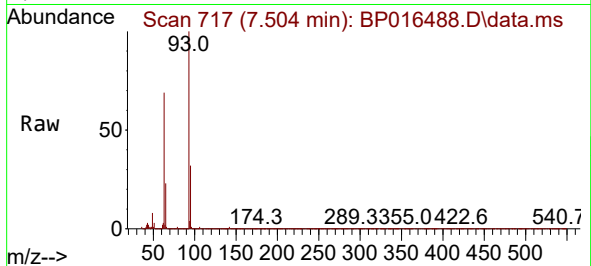




#11  
bis(2-Chloroethyl)ether  
Concen: 47.003 ng  
RT: 7.504 min Scan# 717  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

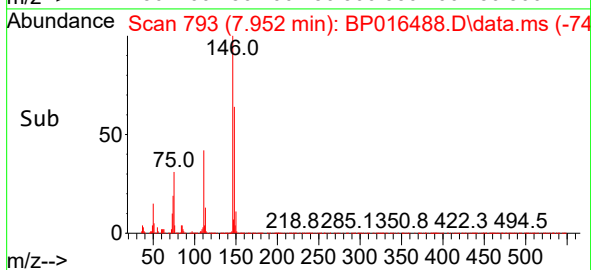
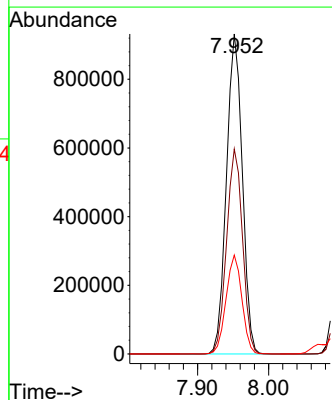
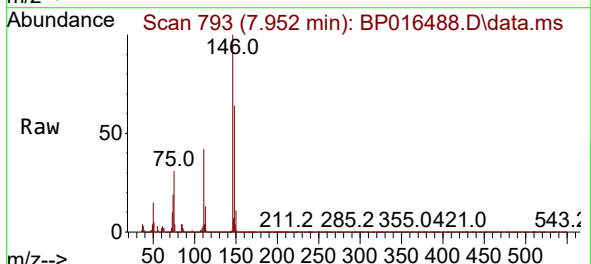
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

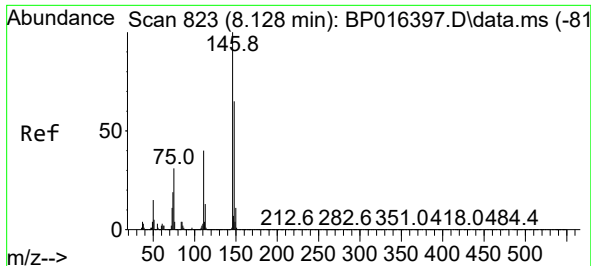
Tgt Ion: 93 Resp: 1286466  
Ion Ratio Lower Upper  
93 100  
63 69.4 49.4 89.4  
95 32.2 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 50.603 ng  
RT: 7.952 min Scan# 793  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:146 Resp: 1440743  
Ion Ratio Lower Upper  
146 100  
148 64.1 53.0 79.4  
75 30.9 23.4 35.2

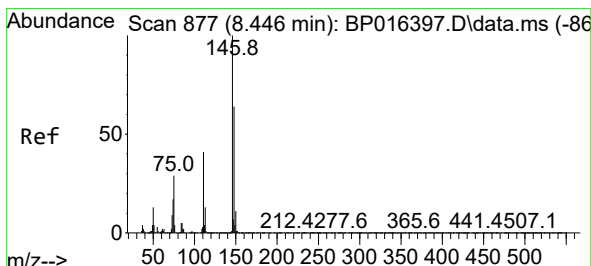
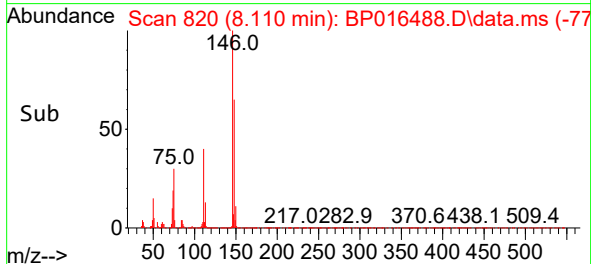
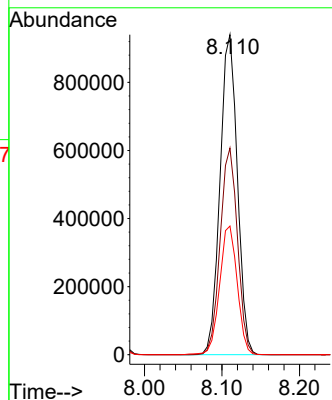
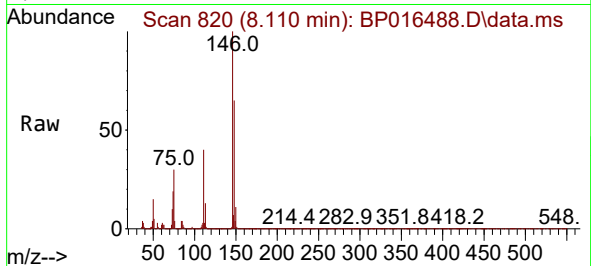




#13  
1,4-Dichlorobenzene  
Concen: 50.789 ng  
RT: 8.110 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

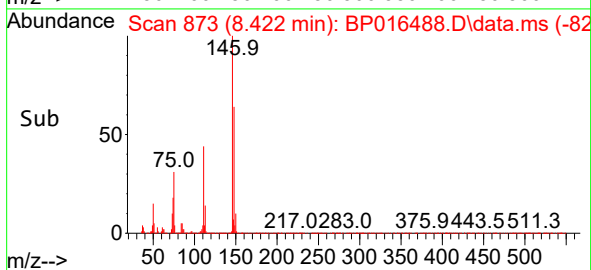
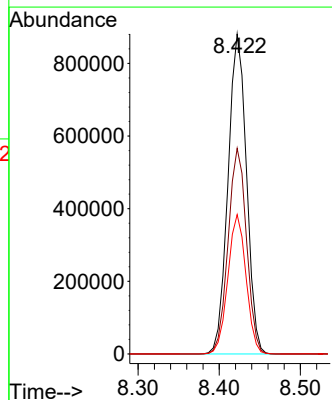
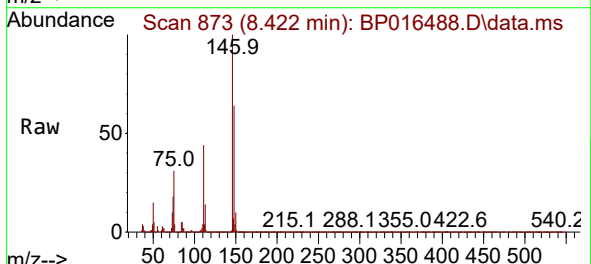
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

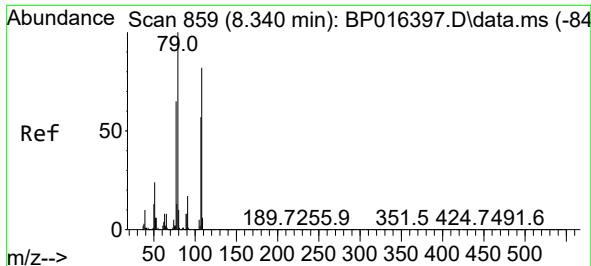
Tgt Ion:146 Resp: 1466858  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.7 77.5  
111 40.2 32.0 48.0



#14  
1,2-Dichlorobenzene  
Concen: 50.104 ng  
RT: 8.422 min Scan# 873  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:146 Resp: 1393281  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.6  
111 43.5 32.6 49.0

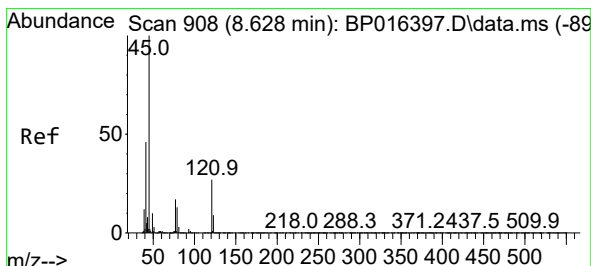
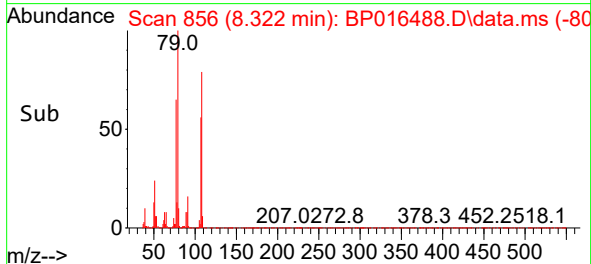
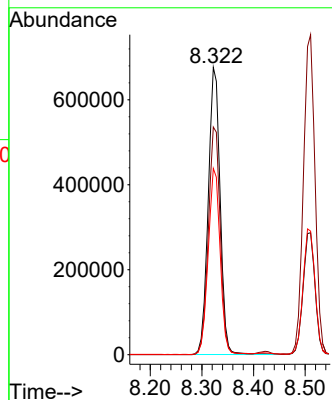
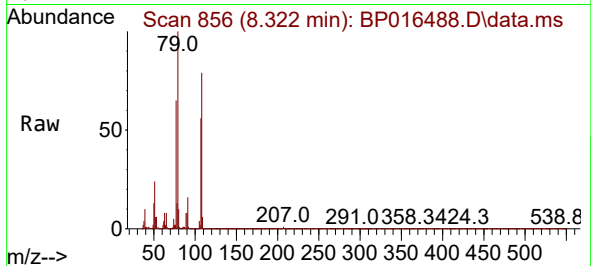




#15  
Benzyl Alcohol  
Concen: 45.557 ng  
RT: 8.322 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

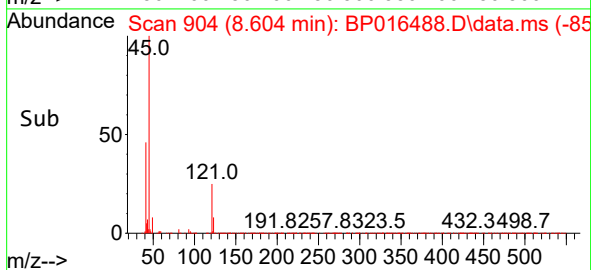
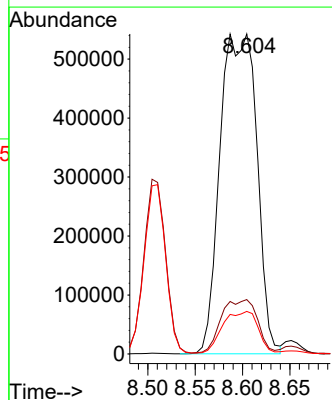
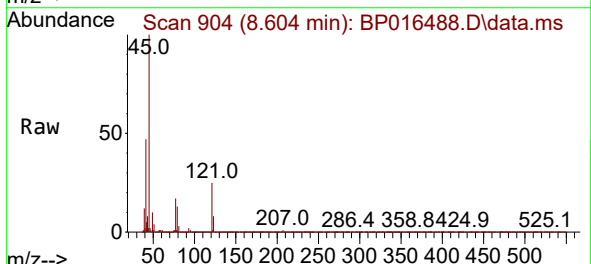
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

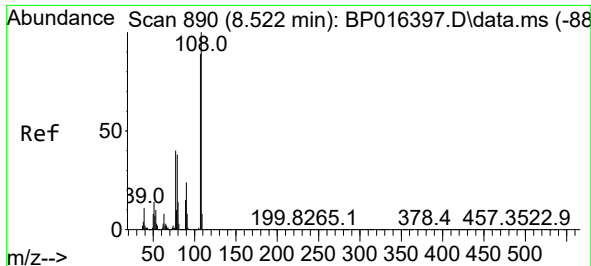
Tgt Ion: 79 Resp: 1079117  
Ion Ratio Lower Upper  
79 100  
108 79.3 65.4 98.2  
77 64.8 51.8 77.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.112 ng  
RT: 8.604 min Scan# 904  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 45 Resp: 1462338  
Ion Ratio Lower Upper  
45 100  
77 17.0 0.0 37.3  
79 13.3 0.0 33.3

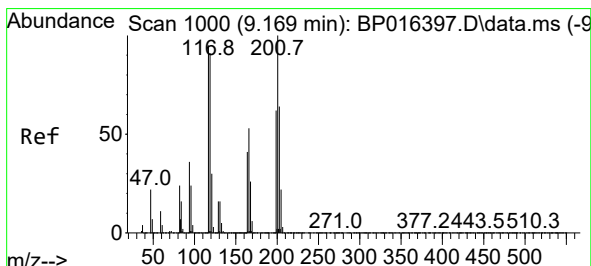
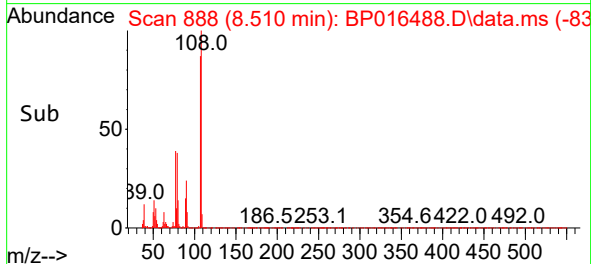
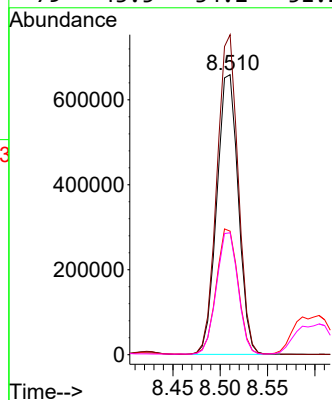
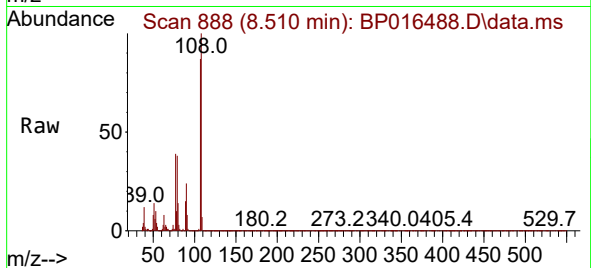




#17  
2-Methylphenol  
Concen: 42.904 ng  
RT: 8.510 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

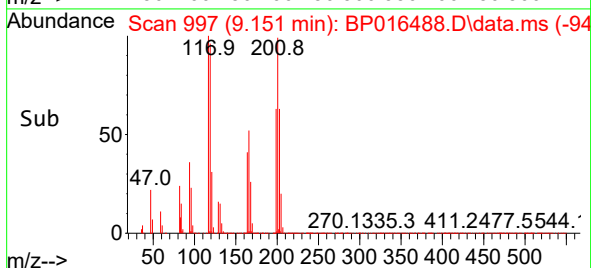
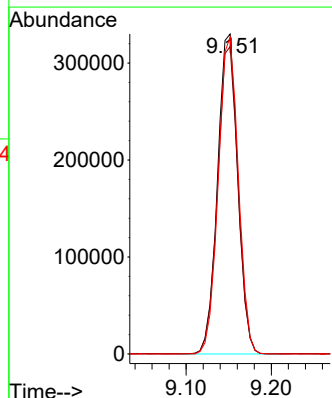
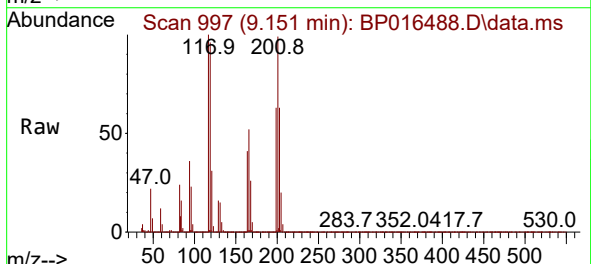
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

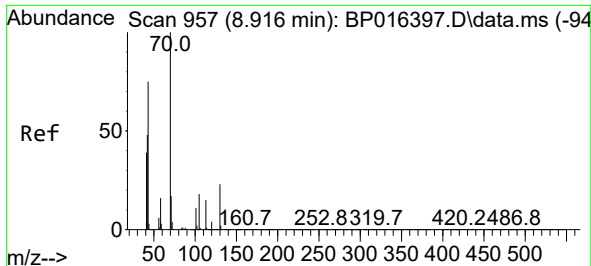
Tgt Ion:107 Resp: 1041100  
Ion Ratio Lower Upper  
107 100  
108 114.3 89.6 134.4  
77 44.1 35.6 53.4  
79 43.5 34.2 51.2



#18  
Hexachloroethane  
Concen: 52.896 ng  
RT: 9.151 min Scan# 997  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:117 Resp: 544923  
Ion Ratio Lower Upper  
117 100  
119 96.1 76.9 115.3  
201 99.0 86.2 129.4

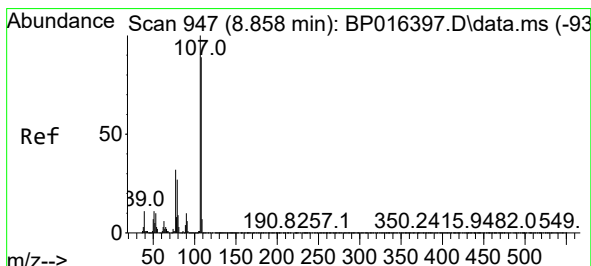
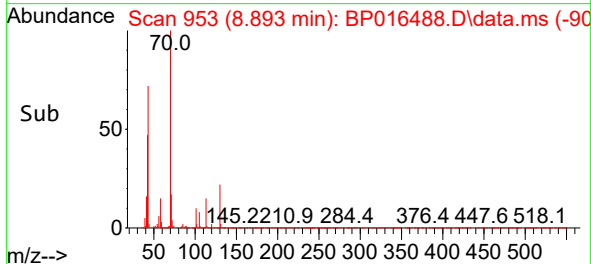
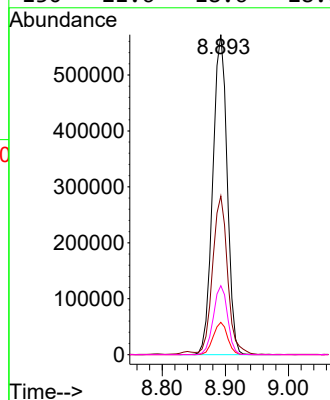
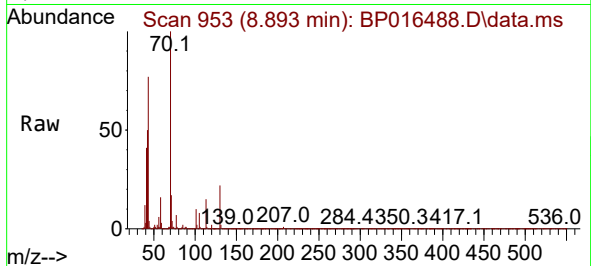




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.599 ng  
RT: 8.893 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

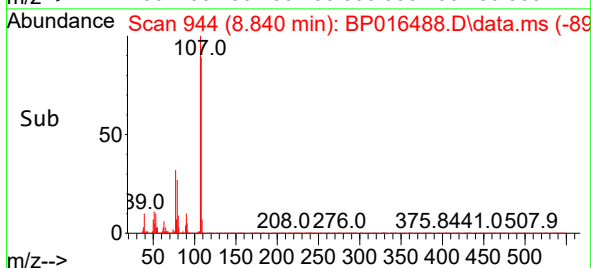
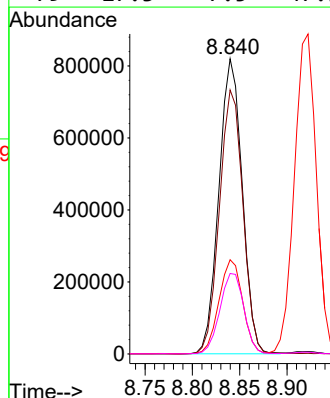
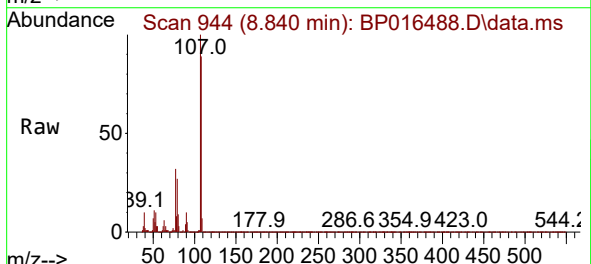
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

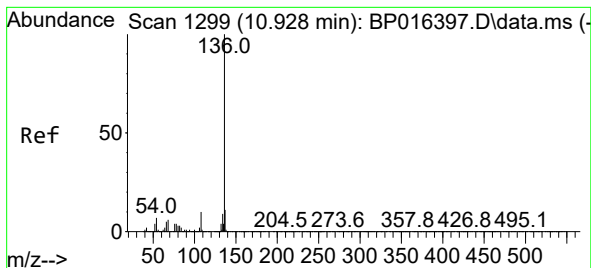
Tgt Ion: 70 Resp: 903565  
Ion Ratio Lower Upper  
70 100  
42 49.6 39.3 58.9  
101 10.1 8.6 12.8  
130 21.6 18.6 28.0



#20  
3+4-Methylphenols  
Concen: 42.677 ng  
RT: 8.840 min Scan# 944  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 107 Resp: 1406463  
Ion Ratio Lower Upper  
107 100  
108 89.4 69.1 109.1  
77 31.9 12.0 52.0  
79 27.3 7.5 47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.904 min Scan# 11

Delta R.T. -0.024 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

Tgt Ion:136 Resp: 1532529

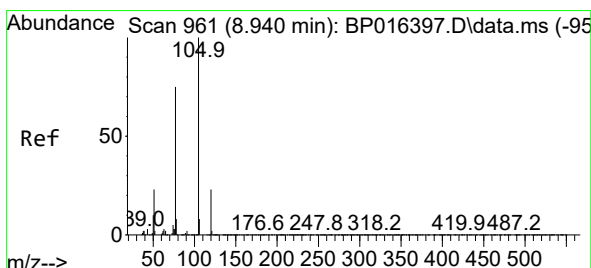
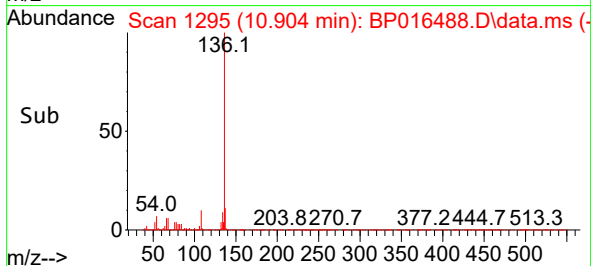
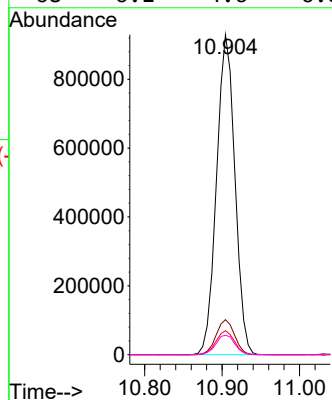
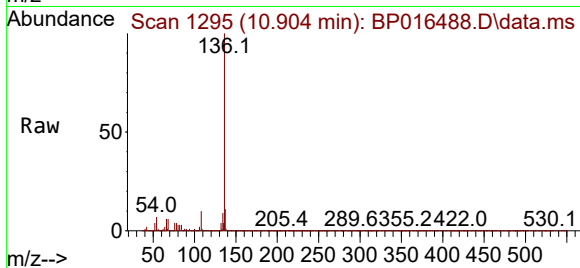
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.5 5.6 8.4

68 6.1 4.6 6.8



#22

Acetophenone

Concen: 49.153 ng

RT: 8.922 min Scan# 958

Delta R.T. -0.018 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Tgt Ion:105 Resp: 1901902

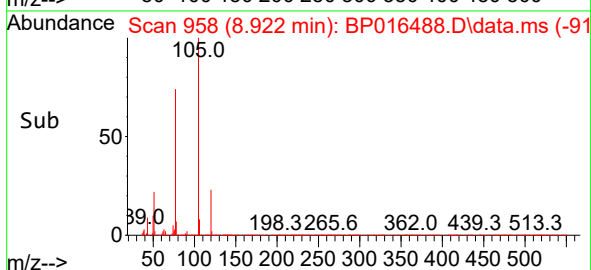
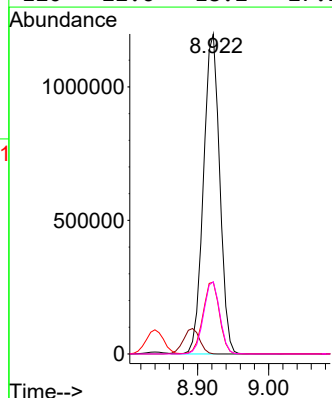
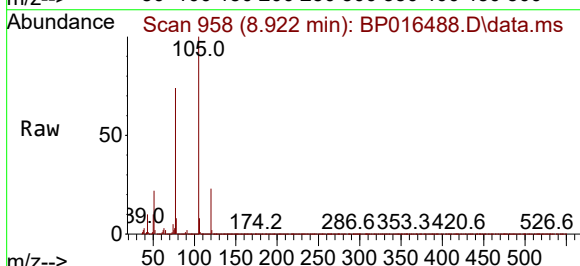
Ion Ratio Lower Upper

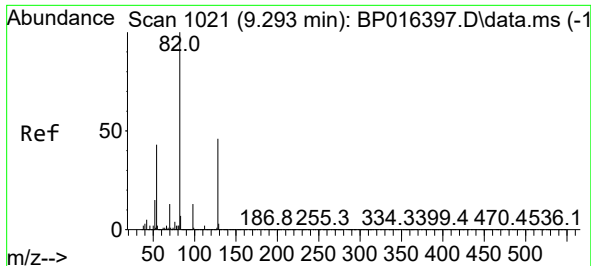
105 100

71 0.1 0.2 0.2#

51 22.5 18.3 27.5

120 22.6 18.2 27.2

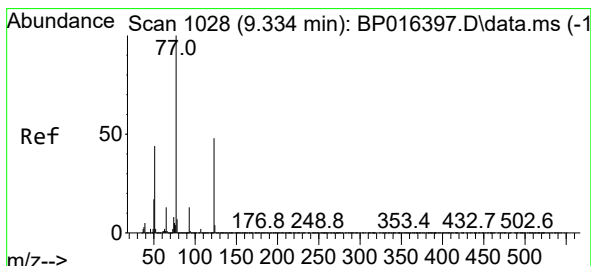
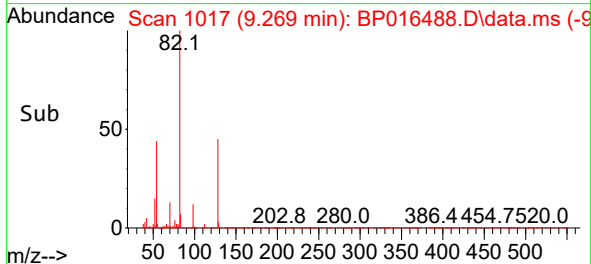
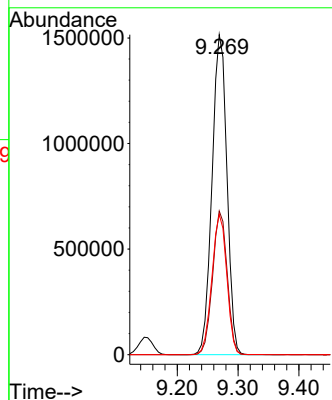
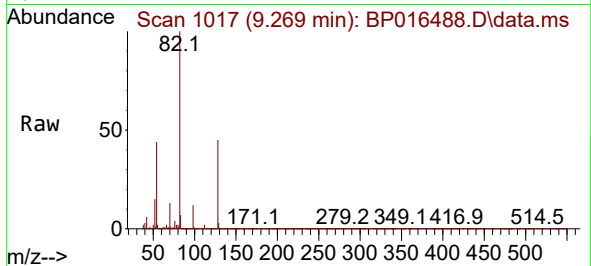




#23  
Nitrobenzene-d5  
Concen: 93.990 ng  
RT: 9.269 min Scan# 1017  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

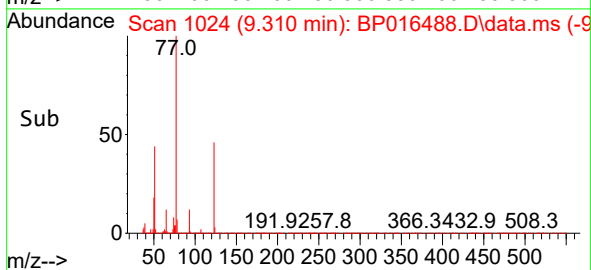
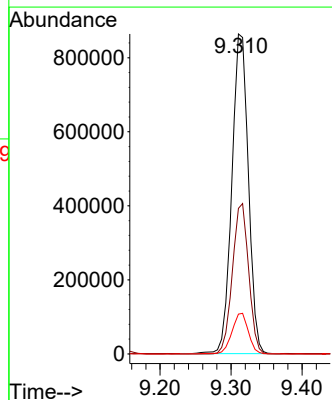
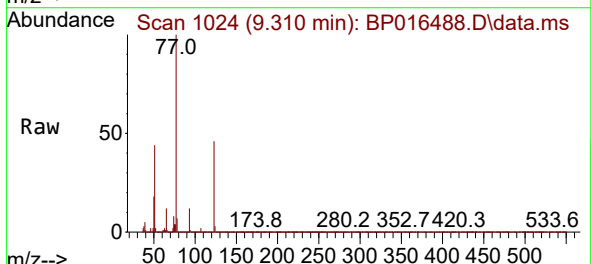
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

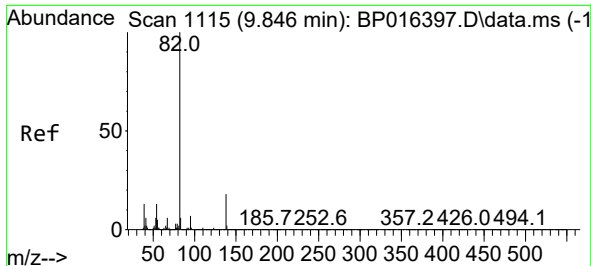
Tgt Ion: 82 Resp: 2573163  
Ion Ratio Lower Upper  
82 100  
128 44.9 36.6 55.0  
54 43.8 34.5 51.7



#24  
Nitrobenzene  
Concen: 49.696 ng  
RT: 9.310 min Scan# 1024  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 77 Resp: 1397410  
Ion Ratio Lower Upper  
77 100  
123 45.5 38.6 58.0  
65 12.5 10.5 15.7

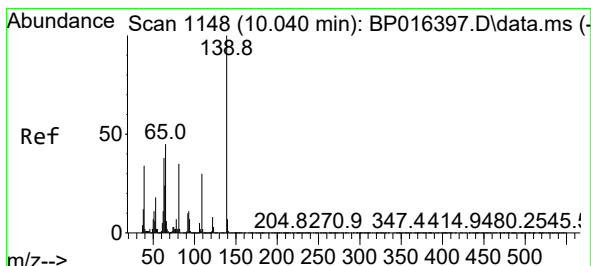
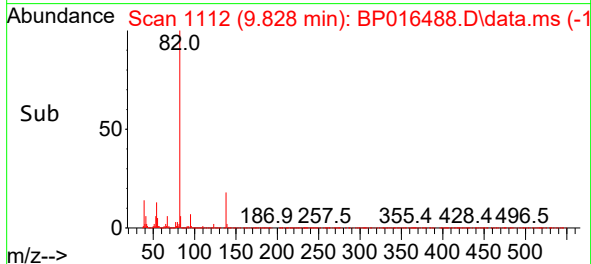
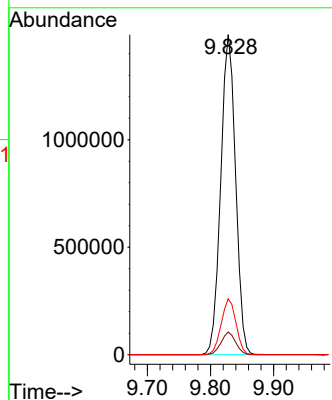
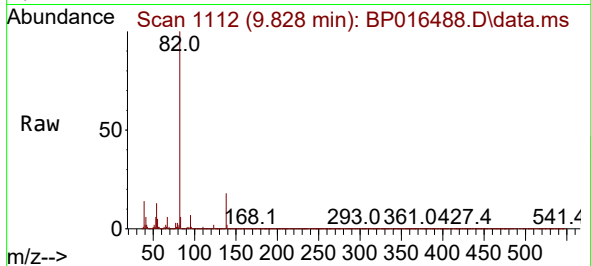




#25  
Isophorone  
Concen: 43.849 ng  
RT: 9.828 min Scan# 1115  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

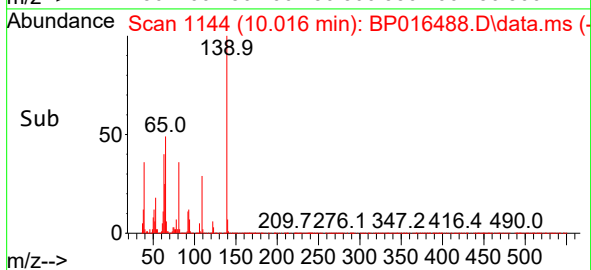
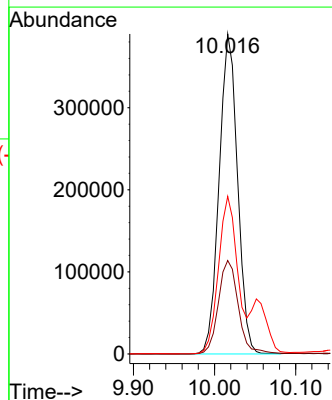
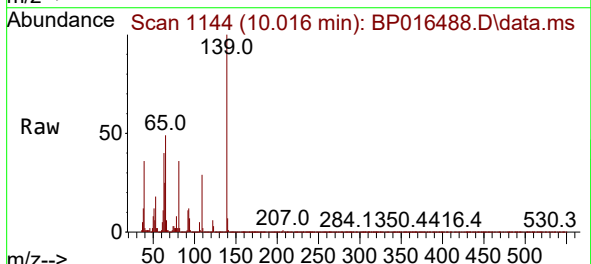
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

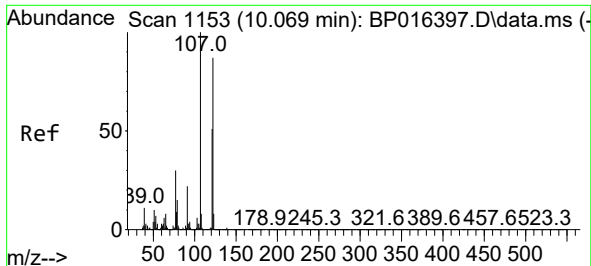
Tgt Ion: 82 Resp: 2423637  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.7 8.5  
138 17.5 14.6 22.0



#26  
2-Nitrophenol  
Concen: 50.570 ng  
RT: 10.016 min Scan# 1144  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 139 Resp: 615047  
Ion Ratio Lower Upper  
139 100  
109 29.2 24.2 36.4  
65 49.3 35.8 53.6

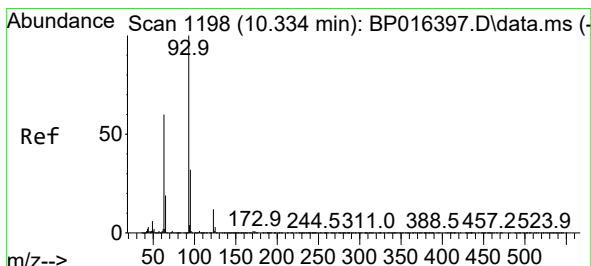
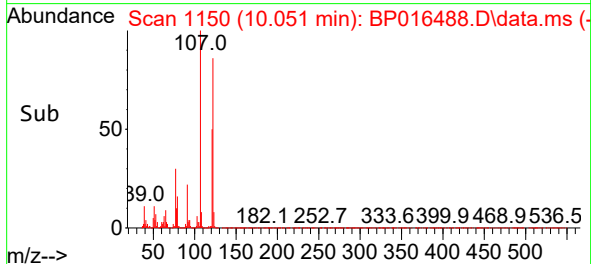
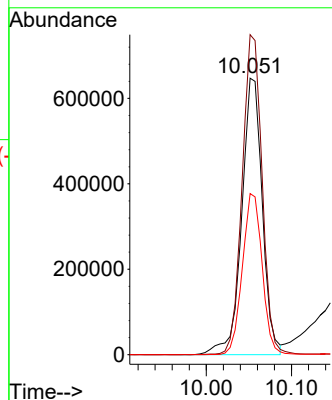
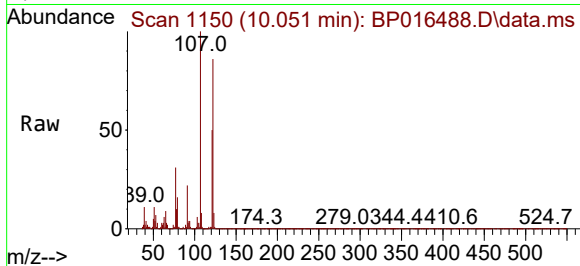




#27  
2,4-Dimethylphenol  
Concen: 43.949 ng  
RT: 10.051 min Scan# 1150  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

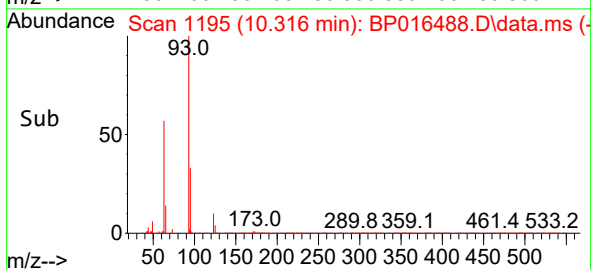
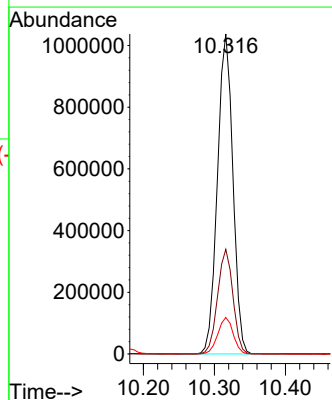
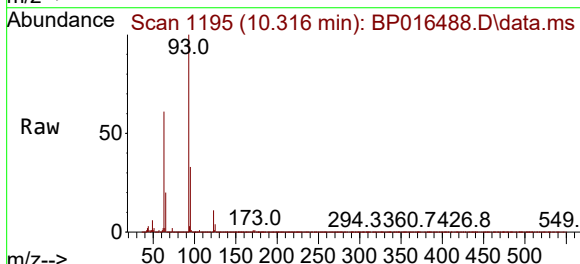
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

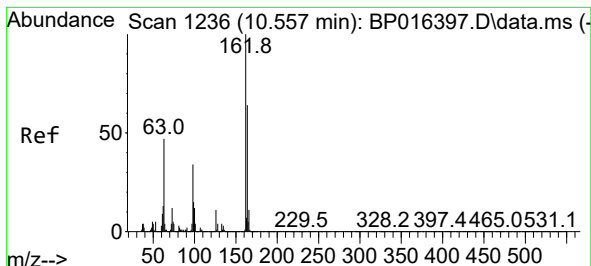
Tgt Ion:122 Resp: 1086744  
Ion Ratio Lower Upper  
122 100  
107 115.7 91.9 137.9  
121 58.3 47.2 70.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.088 ng  
RT: 10.316 min Scan# 1195  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 93 Resp: 1560375  
Ion Ratio Lower Upper  
93 100  
95 32.7 25.8 38.8  
123 11.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 47.034 ng

RT: 10.540 min Scan# 1233

Delta R.T. -0.018 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

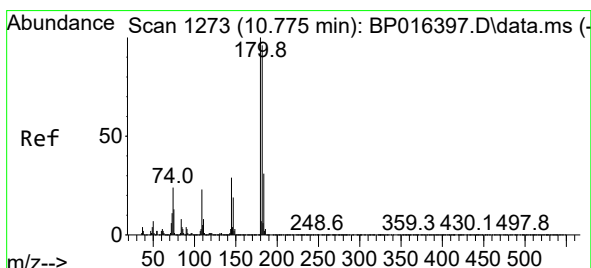
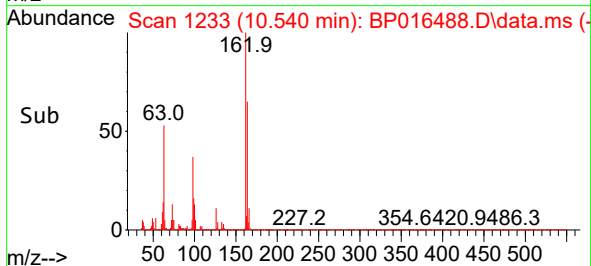
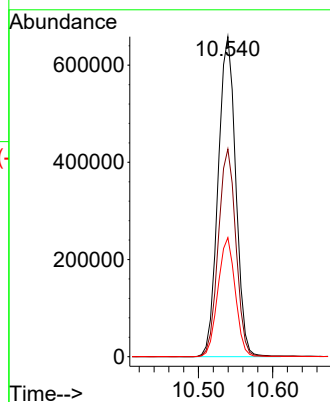
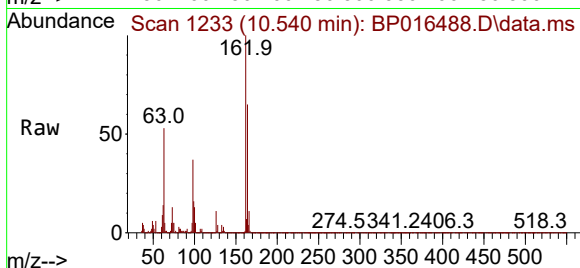
Tgt Ion:162 Resp: 1088441

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

98 37.2 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 48.320 ng

RT: 10.751 min Scan# 1269

Delta R.T. -0.024 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

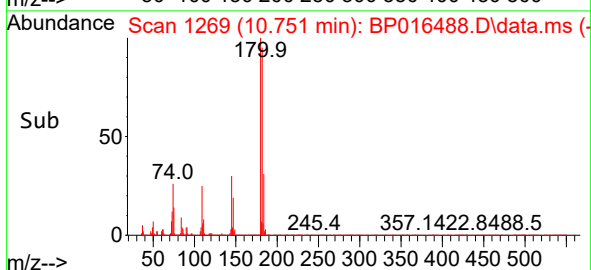
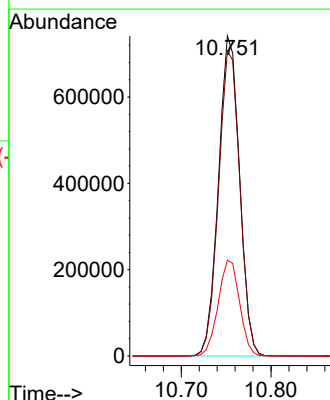
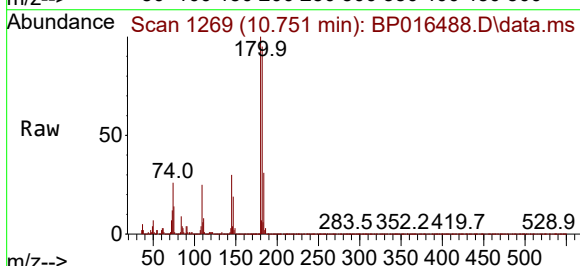
Tgt Ion:180 Resp: 1211165

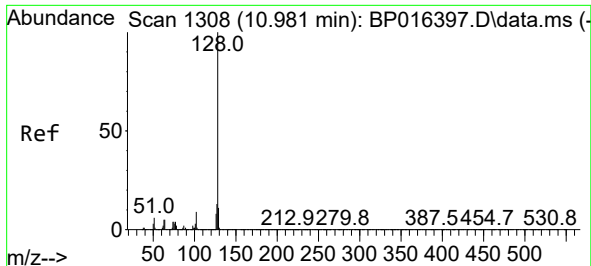
Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

145 30.0 22.9 34.3

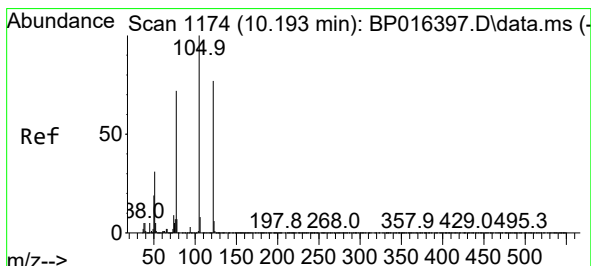
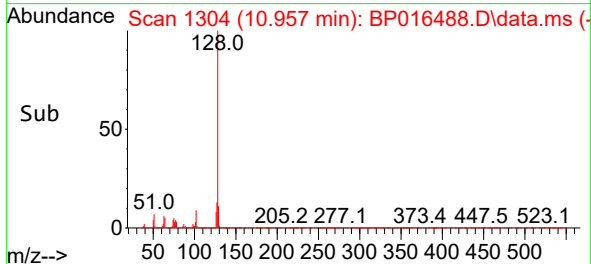
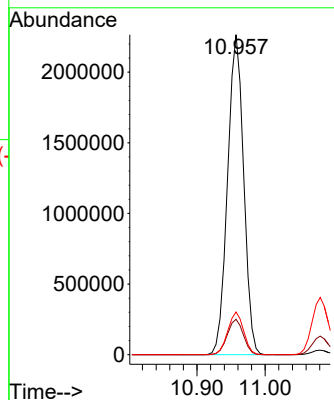
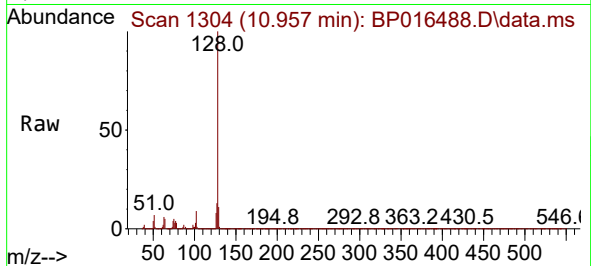




#31  
Naphthalene  
Concen: 46.358 ng  
RT: 10.957 min Scan# 1117  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

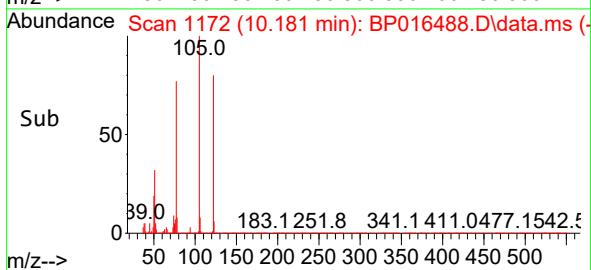
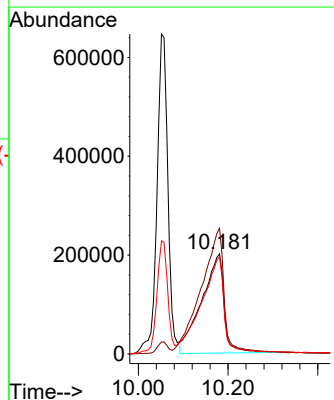
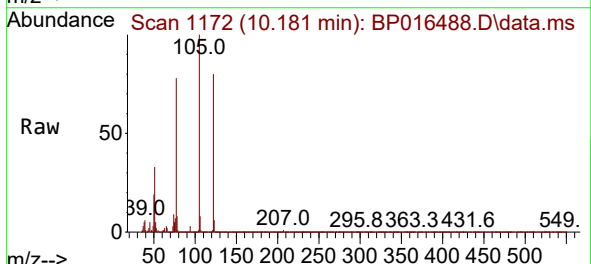
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

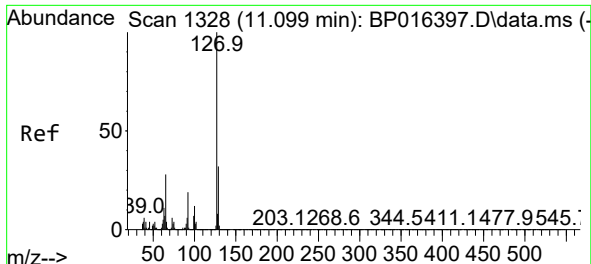
Tgt Ion:128 Resp: 3716191  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 12.8  
127 13.3 10.4 15.6



#32  
Benzoic acid  
Concen: 43.756 ng  
RT: 10.181 min Scan# 1172  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:122 Resp: 699512  
Ion Ratio Lower Upper  
122 100  
105 125.4 105.2 145.2  
77 97.3 72.2 112.2

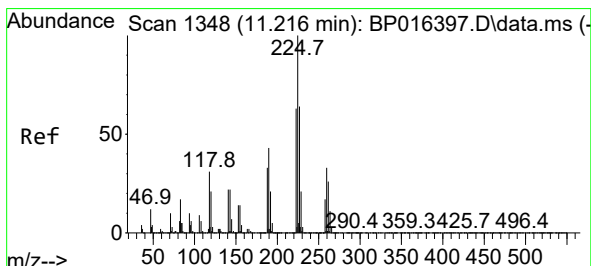
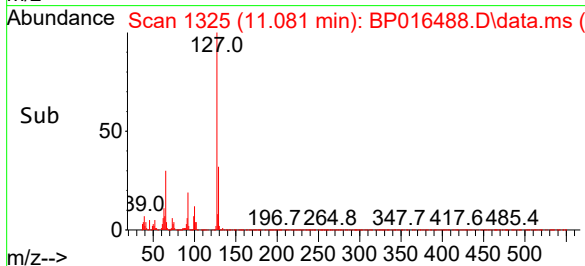
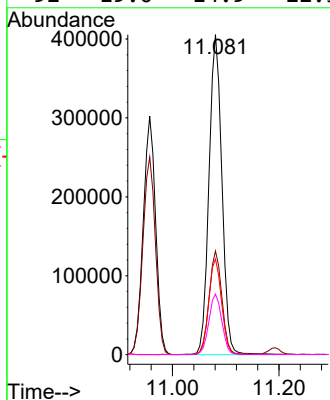
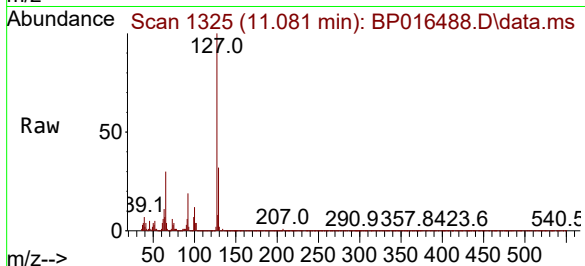




#33  
4-Chloroaniline  
Concen: 18.897 ng  
RT: 11.081 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

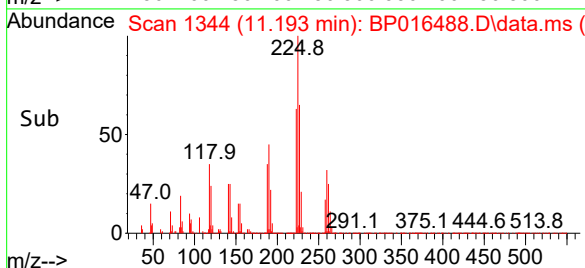
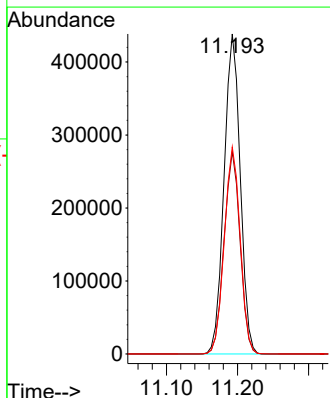
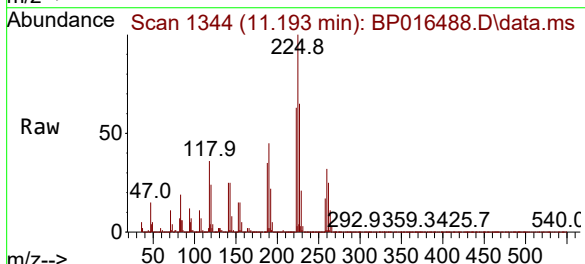
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

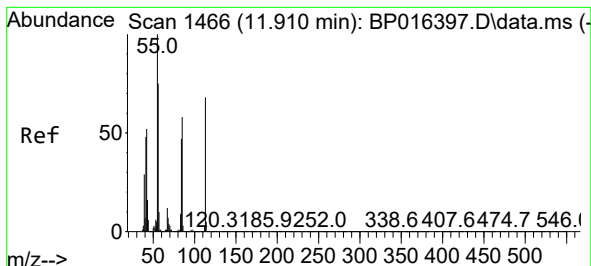
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 683296 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 25.8  | 38.8   |
| 65       | 29.9  | 22.7  | 34.1   |
| 92       | 19.0  | 14.9  | 22.3   |



#34  
Hexachlorobutadiene  
Concen: 46.578 ng  
RT: 11.193 min Scan# 1344  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 691217 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.2  | 50.2  | 75.4   |
| 227      | 64.7  | 51.0  | 76.6   |

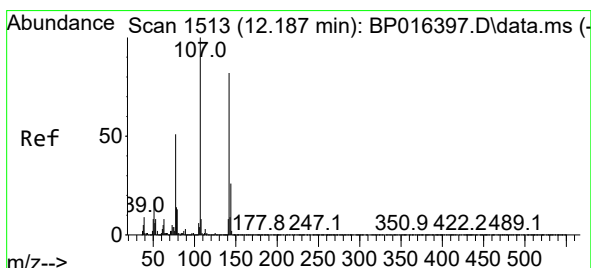
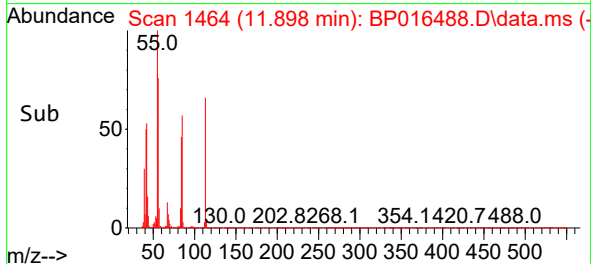
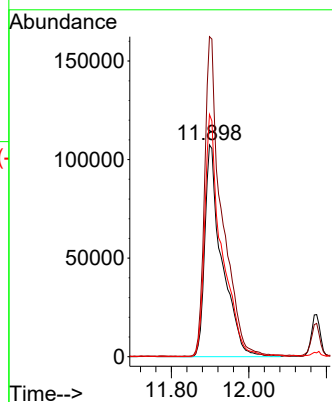
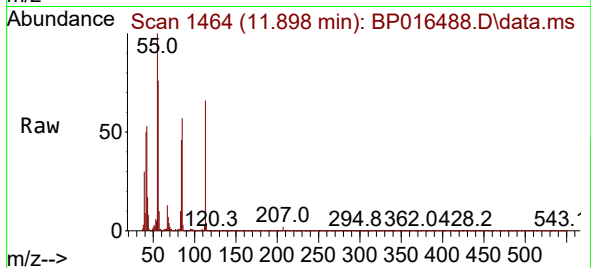




#35  
Caprolactam  
Concen: 38.826 ng  
RT: 11.898 min Scan# 1466  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

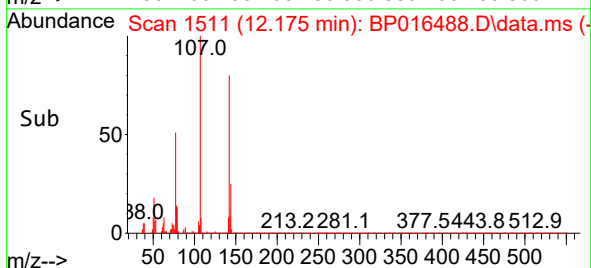
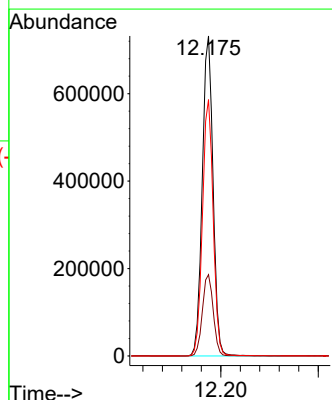
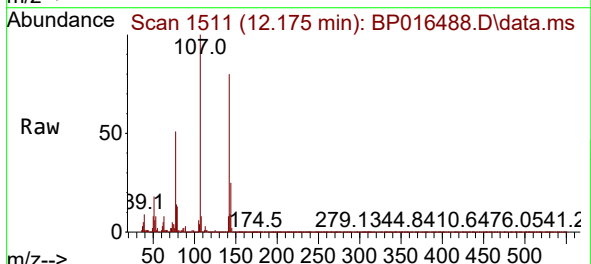
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

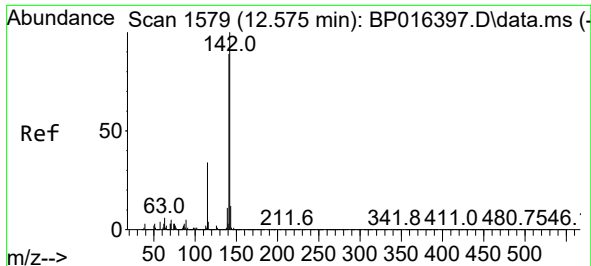
Tgt Ion:113 Resp: 328319  
Ion Ratio Lower Upper  
113 100  
55 151.0 128.0 168.0  
56 114.3 91.3 131.3



#36  
4-Chloro-3-methylphenol  
Concen: 43.642 ng  
RT: 12.175 min Scan# 1511  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:107 Resp: 1122640  
Ion Ratio Lower Upper  
107 100  
144 25.4 21.0 31.6  
142 80.1 65.6 98.4

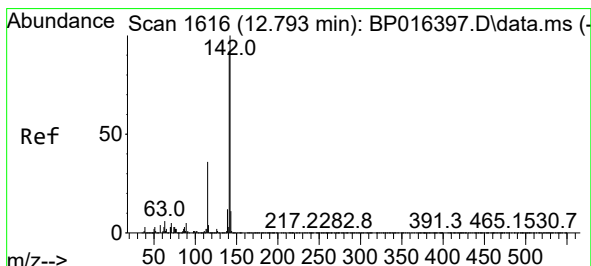
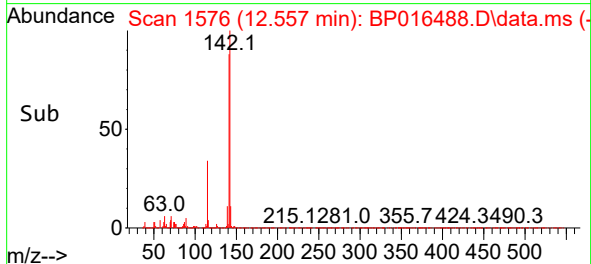
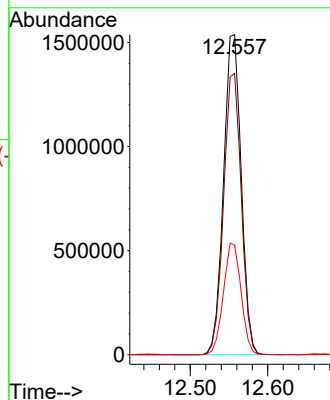
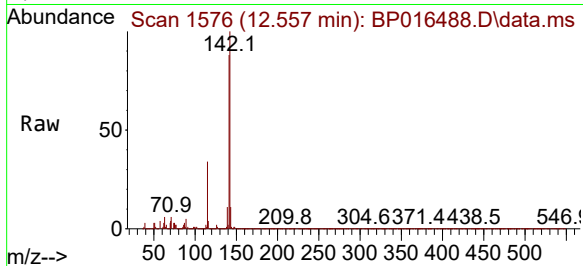




#37  
2-Methylnaphthalene  
Concen: 41.798 ng  
RT: 12.557 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

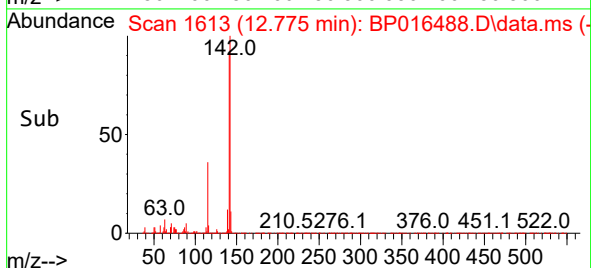
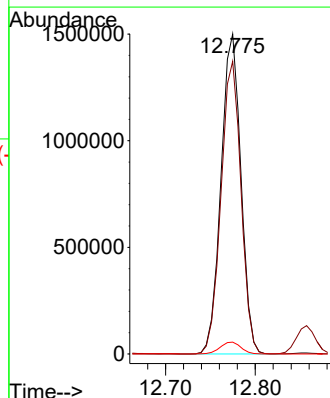
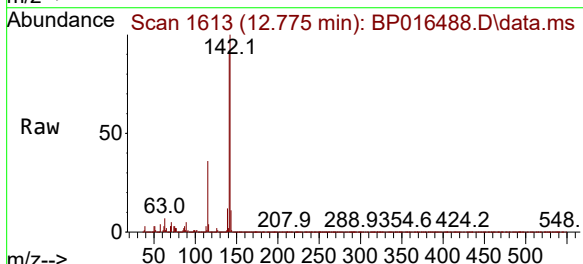
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

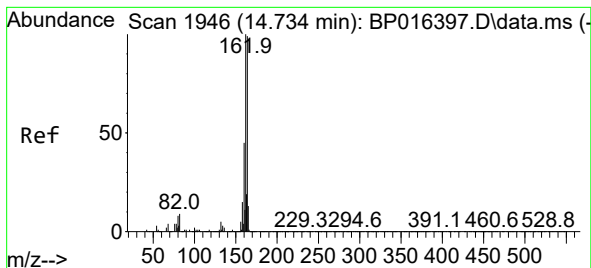
Tgt Ion:142 Resp: 2434117  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.4 107.2  
115 34.3 27.0 40.4



#38  
1-Methylnaphthalene  
Concen: 42.235 ng  
RT: 12.775 min Scan# 1613  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:142 Resp: 2305909  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.8 110.6  
116 3.7 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.722 min Scan# 1944

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

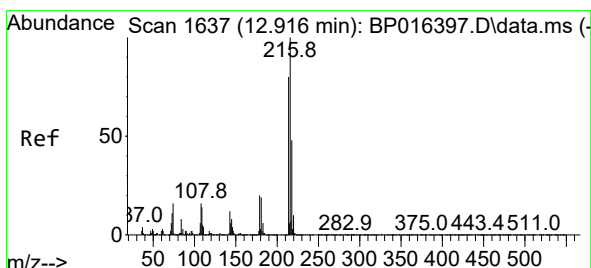
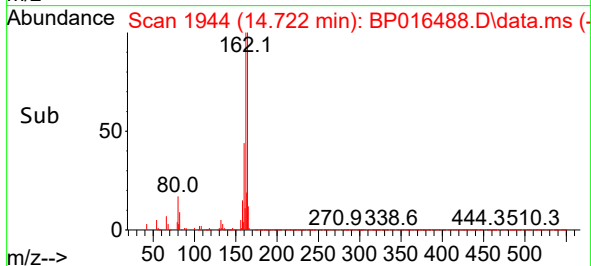
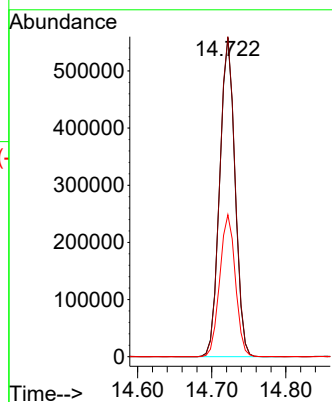
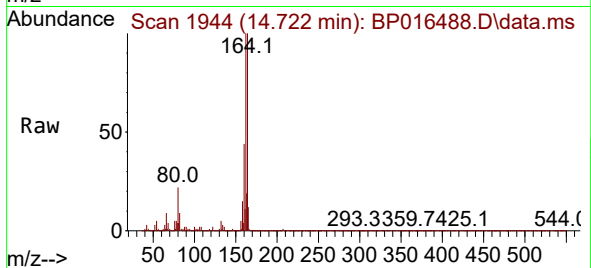
Tgt Ion:164 Resp: 798989

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.6

160 44.5 36.6 55.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.326 ng

RT: 12.904 min Scan# 1635

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Tgt Ion:216 Resp: 1221949

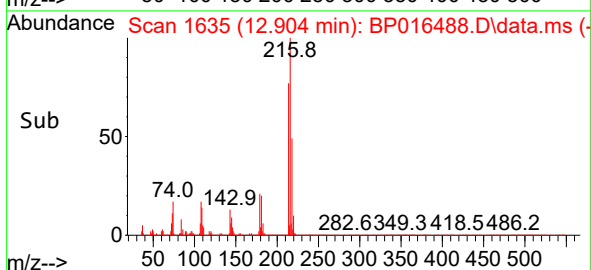
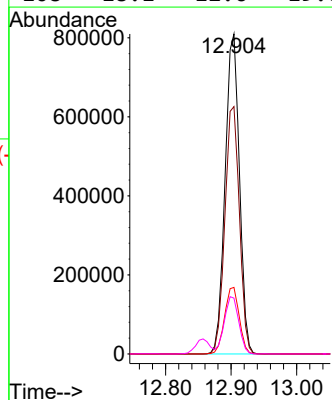
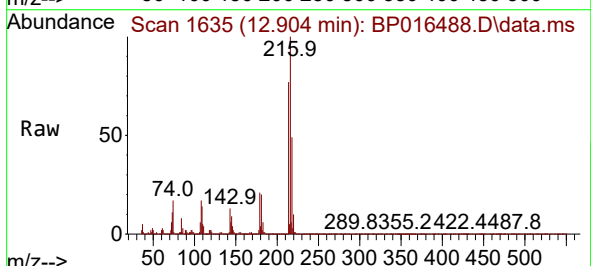
Ion Ratio Lower Upper

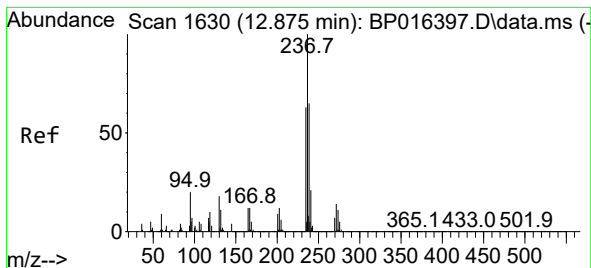
216 100

214 78.5 62.8 94.2

179 21.3 16.0 24.0

108 18.1 12.6 19.0

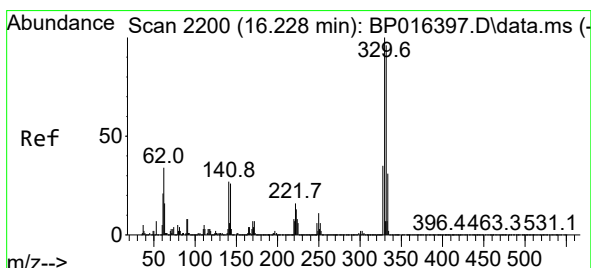
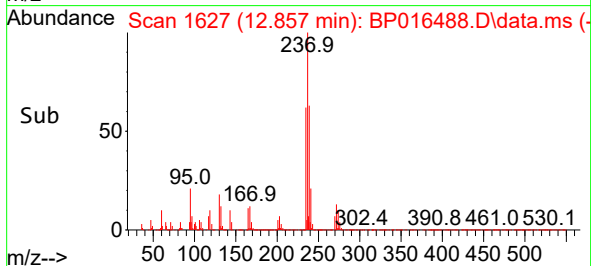
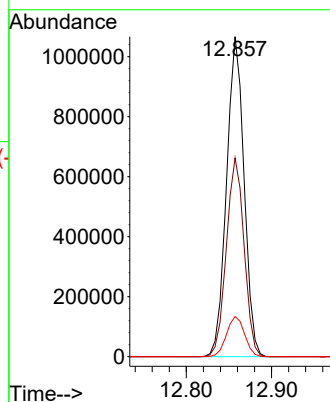
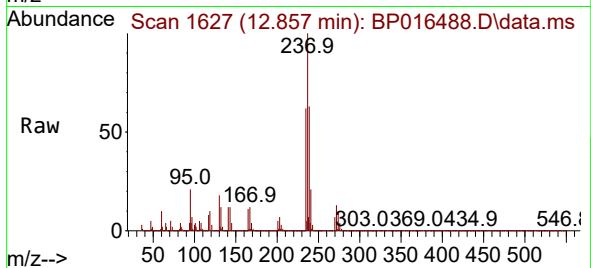




#41  
Hexachlorocyclopentadiene  
Concen: 124.799 ng  
RT: 12.857 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

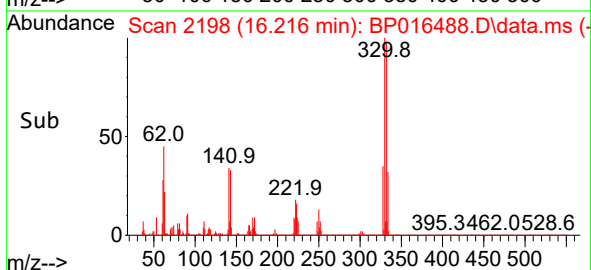
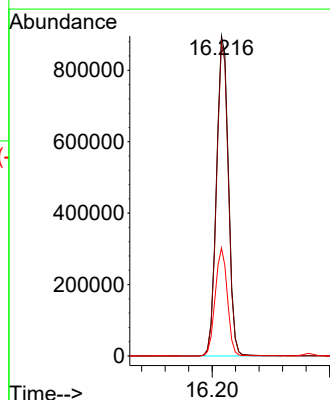
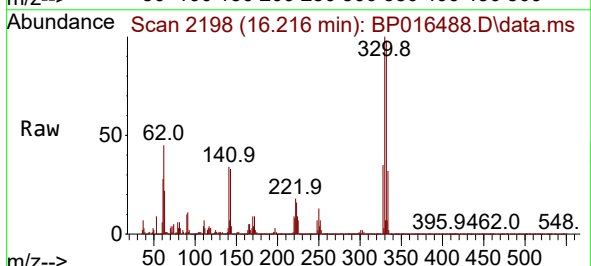
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

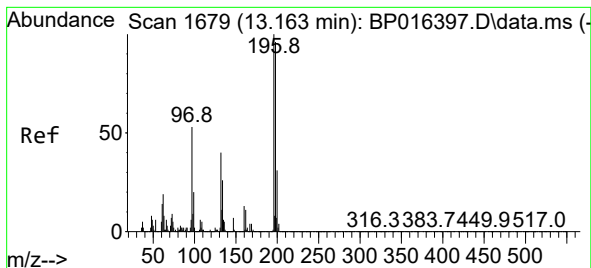
Tgt Ion:237 Resp: 1521877  
Ion Ratio Lower Upper  
237 100  
235 62.1 42.7 82.7  
272 12.6 0.0 33.5



#42  
2,4,6-Tribromophenol  
Concen: 107.716 ng  
RT: 16.216 min Scan# 2198  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:330 Resp: 1266121  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.8 116.8  
141 34.2 22.6 34.0#





#43

2,4,6-Trichlorophenol

Concen: 50.798 ng

RT: 13.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

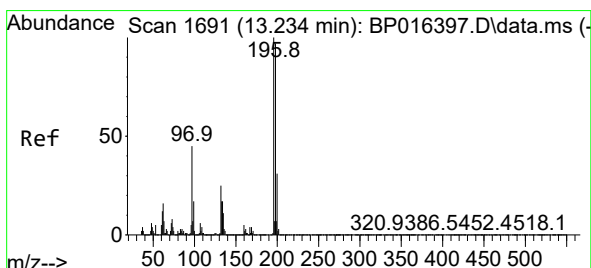
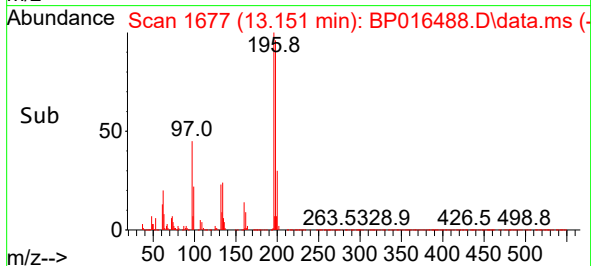
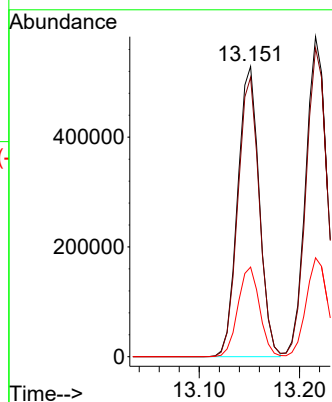
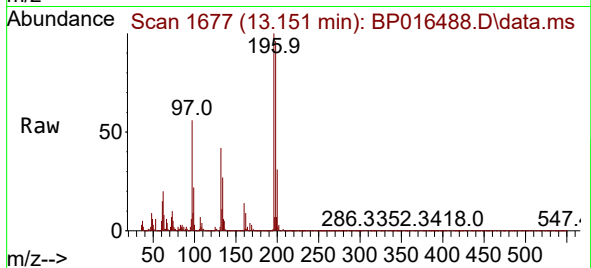
Tgt Ion:196 Resp: 791394

Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 30.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 45.256 ng

RT: 13.216 min Scan# 1688

Delta R.T. -0.018 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Tgt Ion:196 Resp: 855392

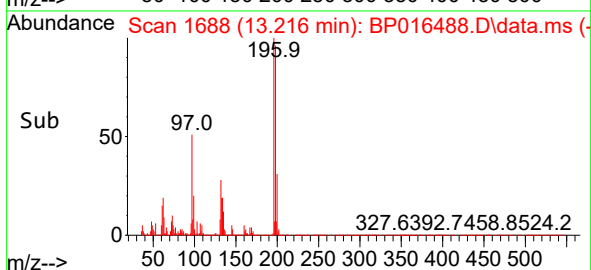
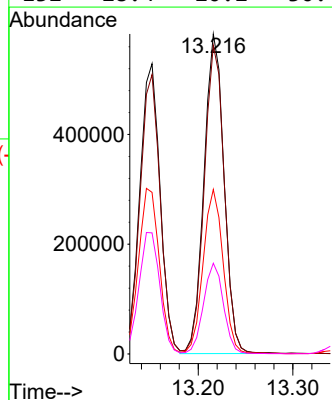
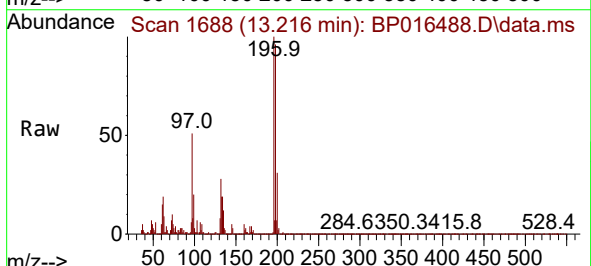
Ion Ratio Lower Upper

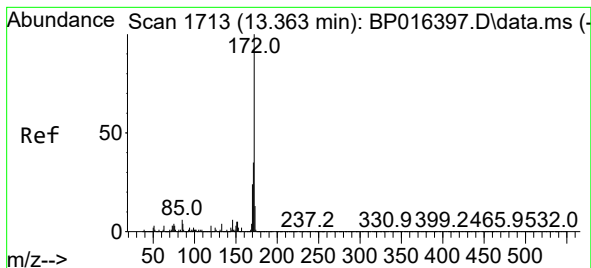
196 100

198 96.4 77.3 115.9

97 51.4 36.2 54.4

132 28.4 20.2 30.4

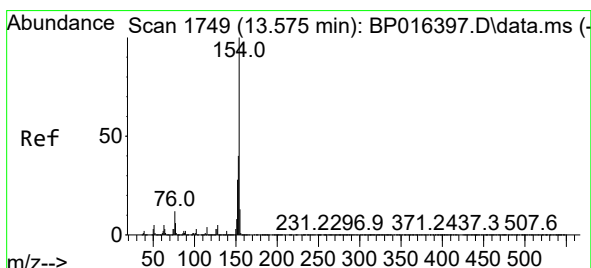
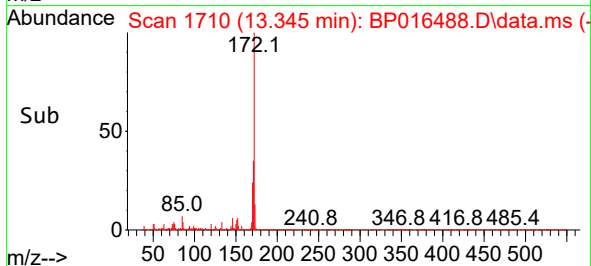
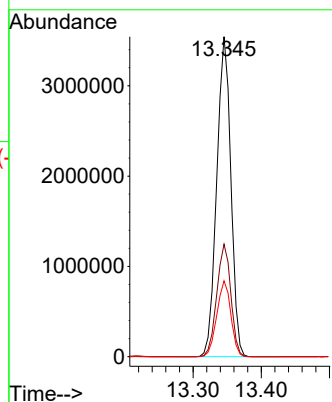
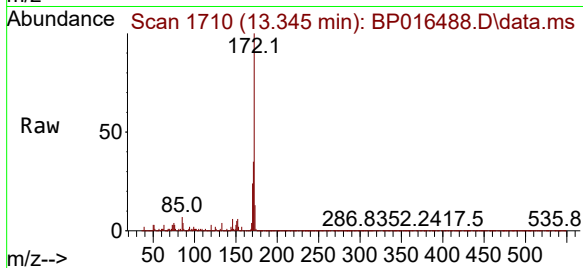




#45  
2-Fluorobiphenyl  
Concen: 91.580 ng  
RT: 13.345 min Scan# 1710  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

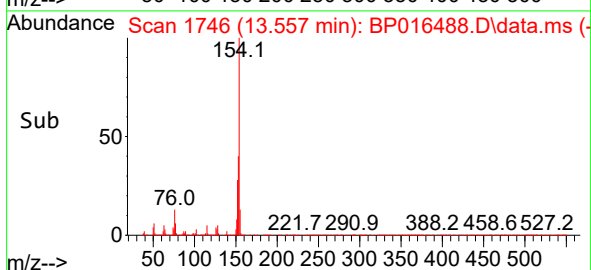
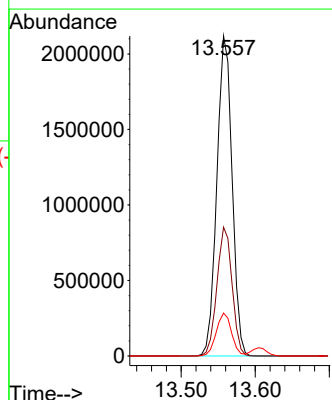
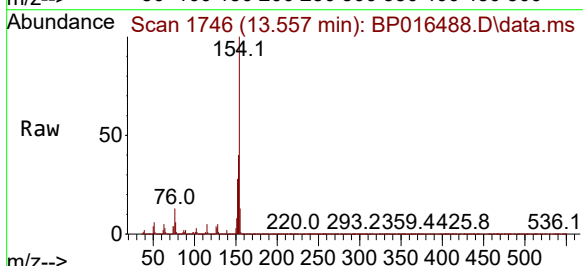
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

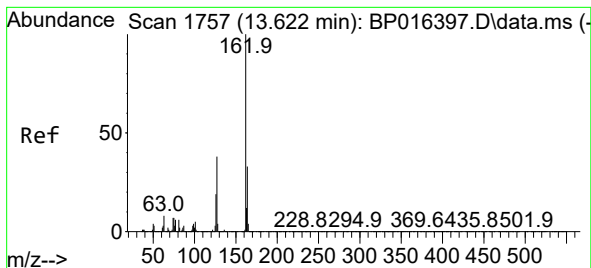
Tgt Ion:172 Resp: 5103784  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.2 42.2  
170 23.7 19.1 28.7



#46  
1,1'-Biphenyl  
Concen: 49.600 ng  
RT: 13.557 min Scan# 1746  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:154 Resp: 3020897  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.1 60.1  
76 13.4 0.0 32.5





#47

2-Chloronaphthalene

Concen: 51.330 ng

RT: 13.604 min Scan# 1754

Delta R.T. -0.018 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

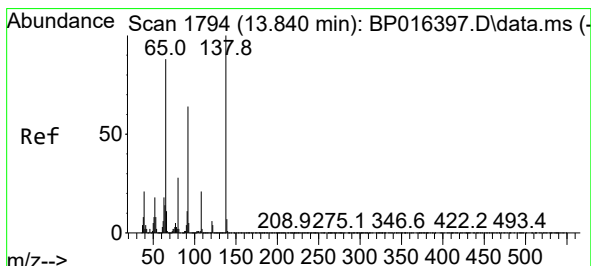
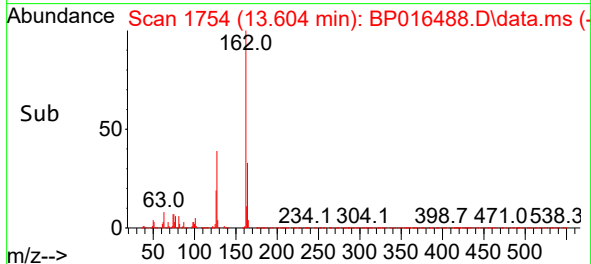
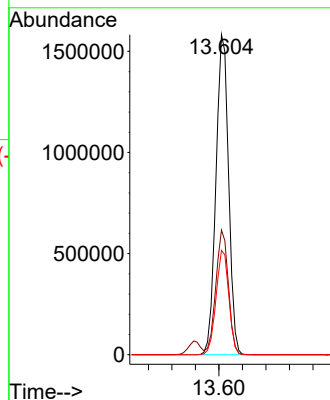
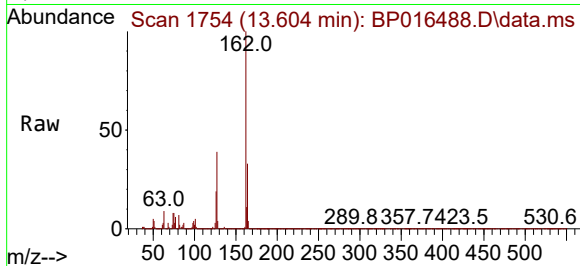
Tgt Ion:162 Resp: 2358557

Ion Ratio Lower Upper

162 100

127 38.9 30.1 45.1

164 32.6 26.6 39.8



#48

2-Nitroaniline

Concen: 50.417 ng

RT: 13.828 min Scan# 1792

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

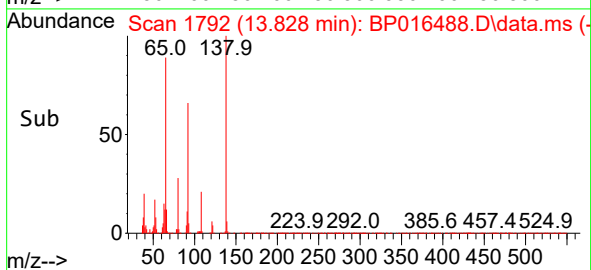
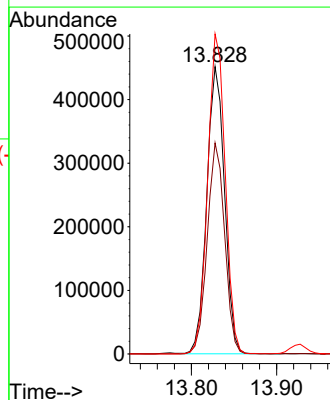
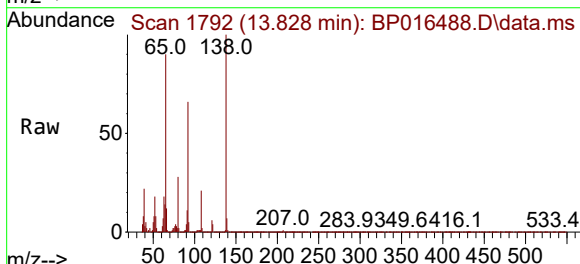
Tgt Ion: 65 Resp: 653015

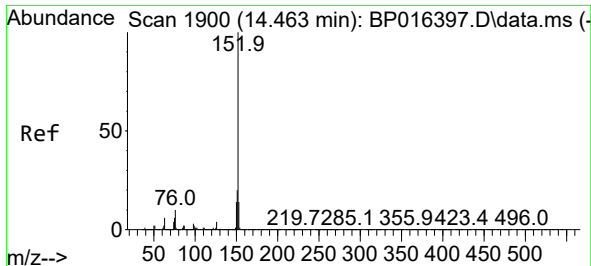
Ion Ratio Lower Upper

65 100

92 73.4 58.2 87.4

138 111.3 91.3 136.9

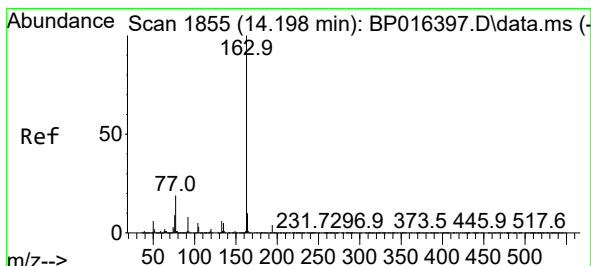
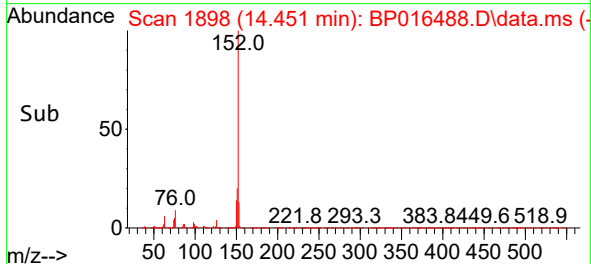
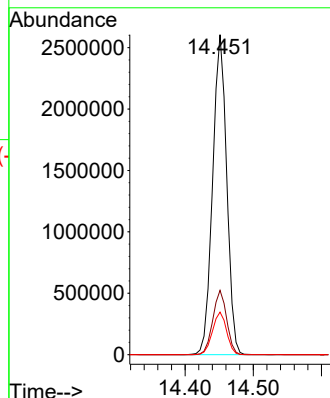
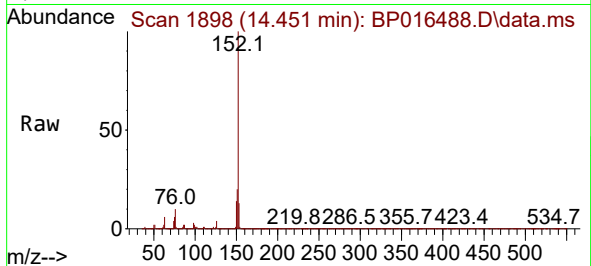




#49  
Acenaphthylene  
Concen: 49.084 ng  
RT: 14.451 min Scan# 1898  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

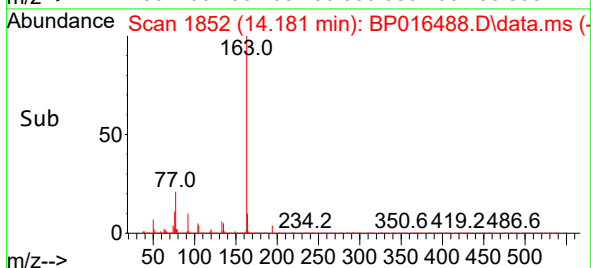
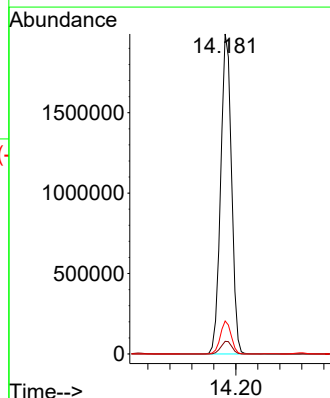
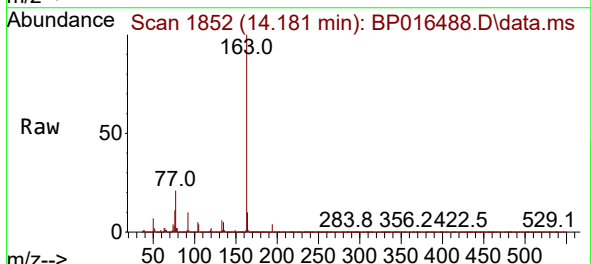
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

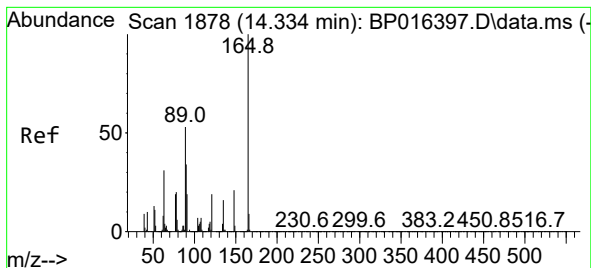
Tgt Ion:152 Resp: 3742139  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 13.3 10.8 16.2



#50  
Dimethylphthalate  
Concen: 43.758 ng  
RT: 14.181 min Scan# 1852  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:163 Resp: 2724453  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.2  
164 10.3 8.2 12.2

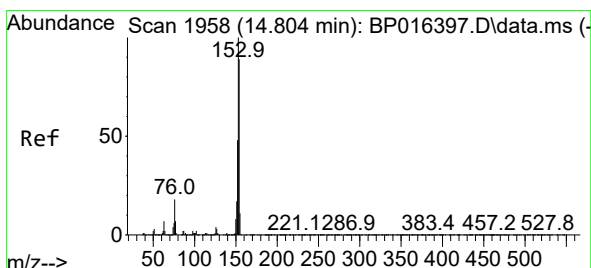
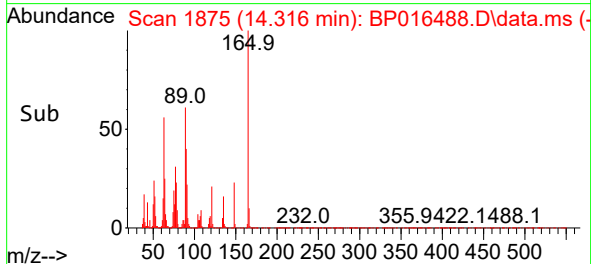
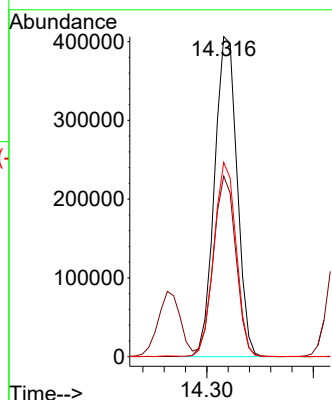
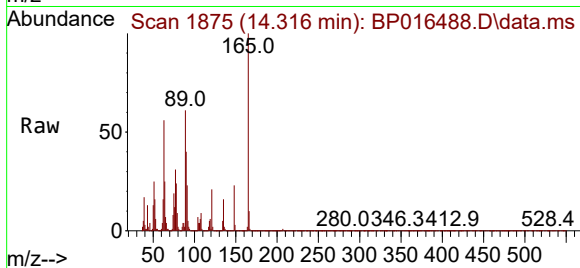




#51  
2,6-Dinitrotoluene  
Concen: 46.744 ng  
RT: 14.316 min Scan# 1875  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

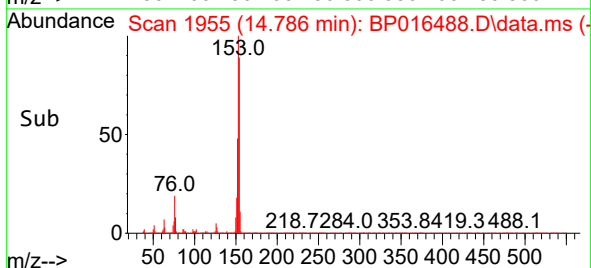
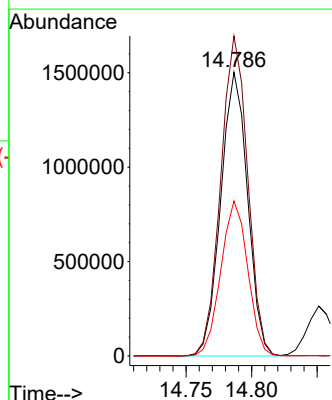
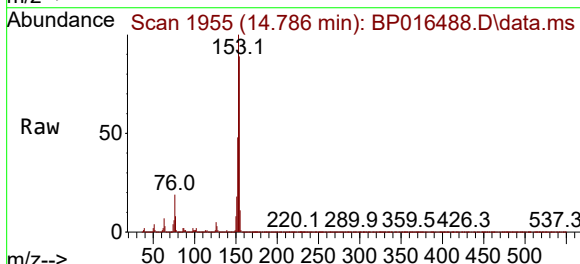
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

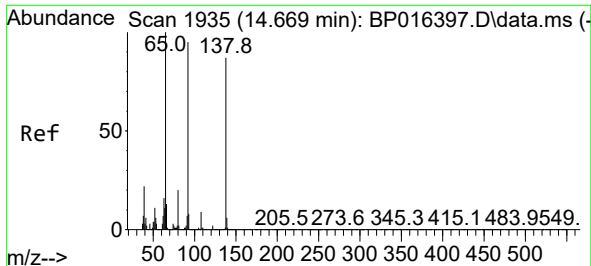
Tgt Ion:165 Resp: 596232  
Ion Ratio Lower Upper  
165 100  
63 56.5 39.1 58.7  
89 60.7 42.5 63.7



#52  
Acenaphthene  
Concen: 47.121 ng  
RT: 14.786 min Scan# 1955  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:154 Resp: 2136261  
Ion Ratio Lower Upper  
154 100  
153 112.8 90.4 135.6  
152 54.6 43.4 65.0

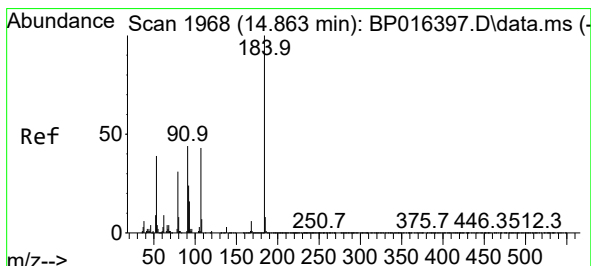
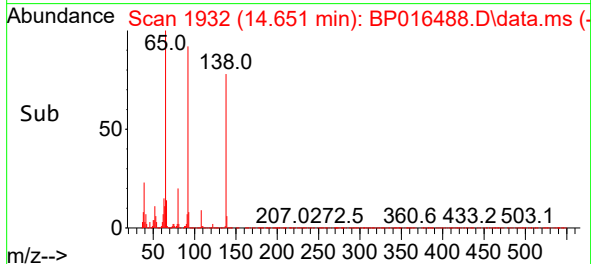
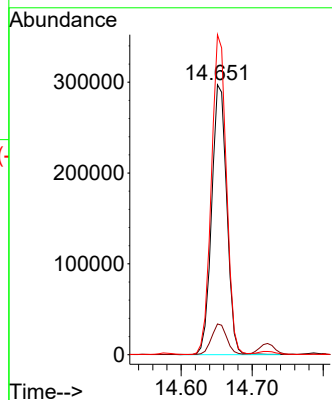
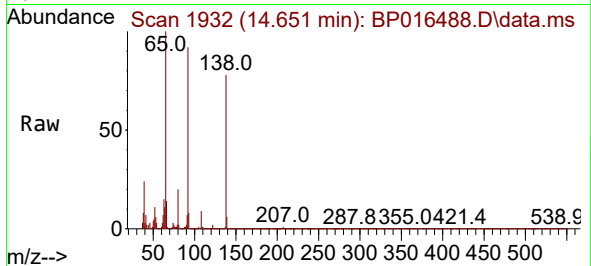




#53  
3-Nitroaniline  
Concen: 30.475 ng  
RT: 14.651 min Scan# 1932  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

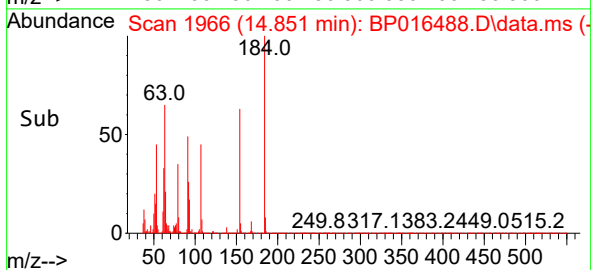
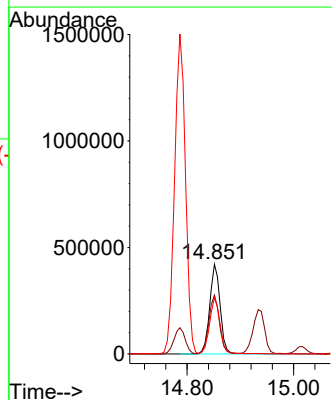
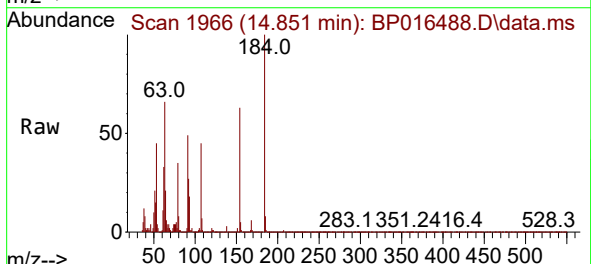
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

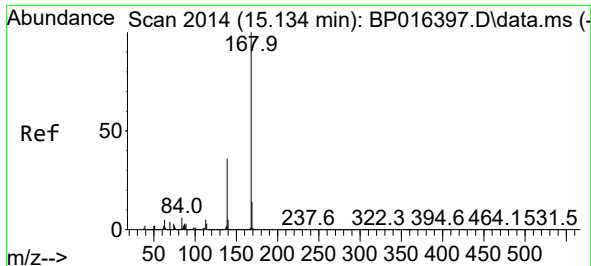
Tgt Ion:138 Resp: 439463  
Ion Ratio Lower Upper  
138 100  
108 11.4 8.7 13.1  
92 118.6 87.6 131.4



#54  
2,4-Dinitrophenol  
Concen: 94.471 ng  
RT: 14.851 min Scan# 1966  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:184 Resp: 573316  
Ion Ratio Lower Upper  
184 100  
63 65.6 48.2 72.4  
154 62.7 49.6 74.4

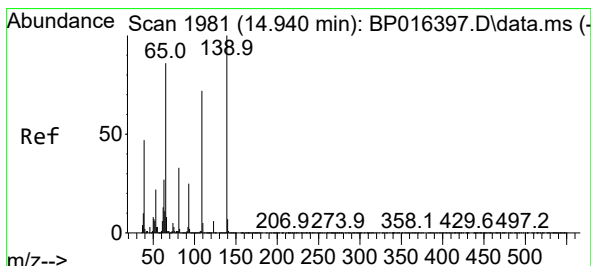
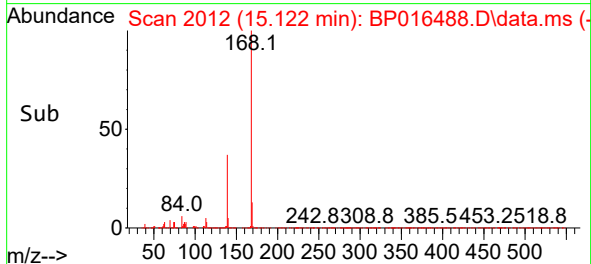
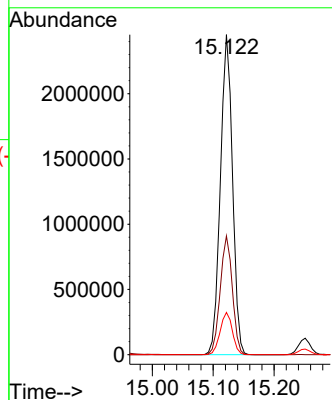
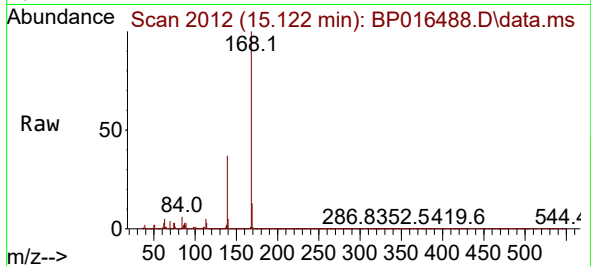




#55  
Dibenzenofuran  
Concen: 45.416 ng  
RT: 15.122 min Scan# 2014  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

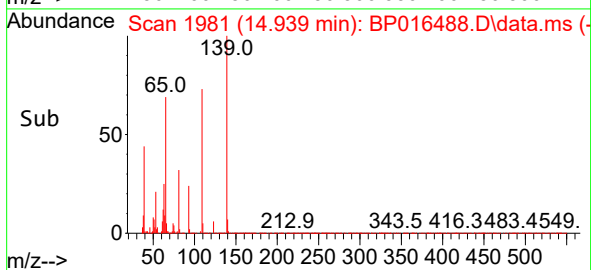
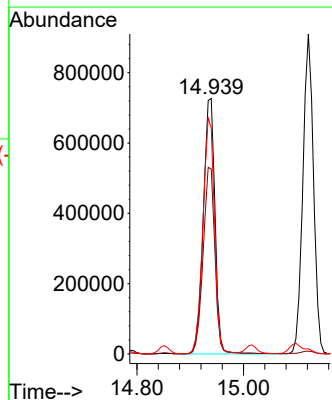
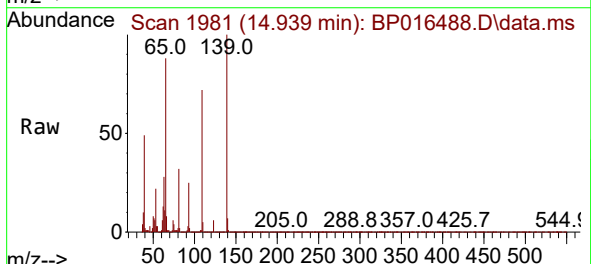
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

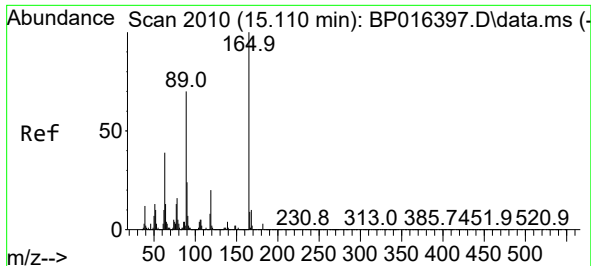
Tgt Ion:168 Resp: 3376864  
Ion Ratio Lower Upper  
168 100  
139 37.1 28.9 43.3  
169 13.2 11.0 16.4



#56  
4-Nitrophenol  
Concen: 97.684 ng  
RT: 14.939 min Scan# 1981  
Delta R.T. -0.000 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:139 Resp: 1102687  
Ion Ratio Lower Upper  
139 100  
109 72.4 51.9 91.9  
65 88.4 66.2 106.2

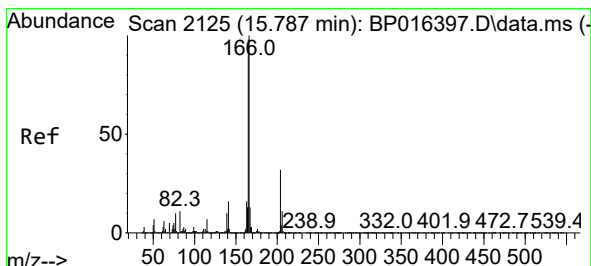
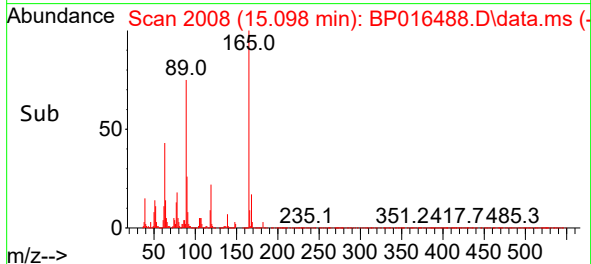
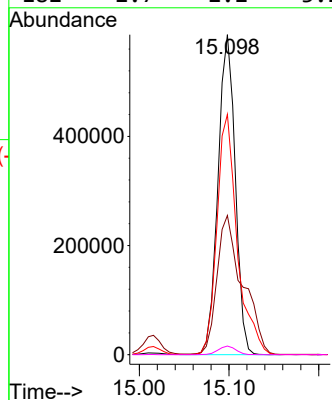
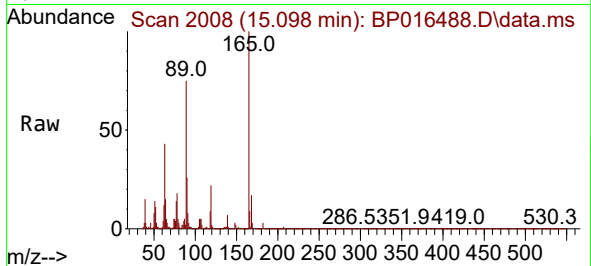




#57  
2,4-Dinitrotoluene  
Concen: 47.046 ng  
RT: 15.098 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

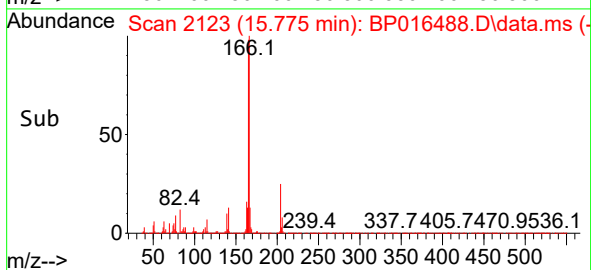
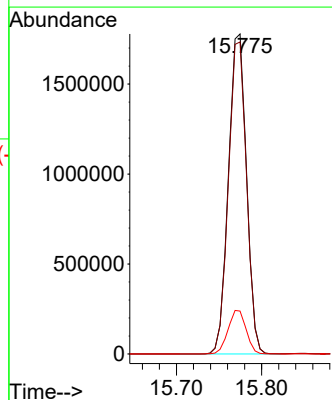
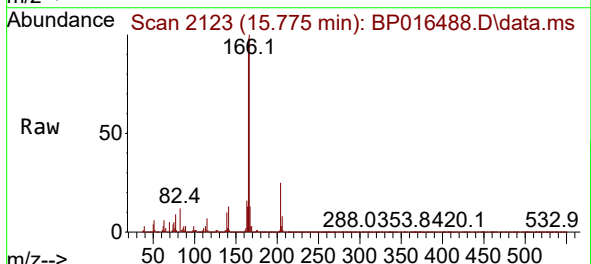
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

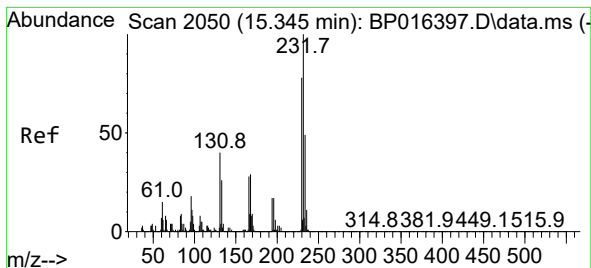
Tgt Ion:165 Resp: 782068  
Ion Ratio Lower Upper  
165 100  
63 43.5 31.4 47.0  
89 75.1 55.8 83.6  
182 2.7 2.2 3.2



#58  
Fluorene  
Concen: 44.941 ng  
RT: 15.775 min Scan# 2123  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:166 Resp: 2625217  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.0 117.0  
167 13.4 10.6 16.0

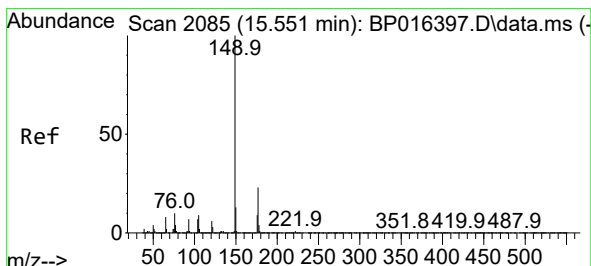
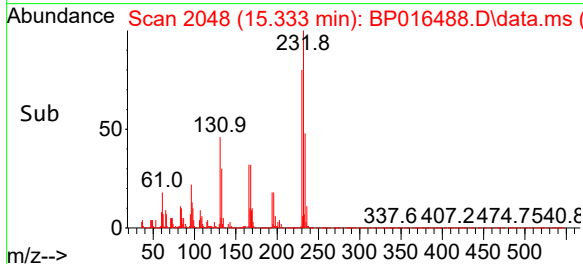
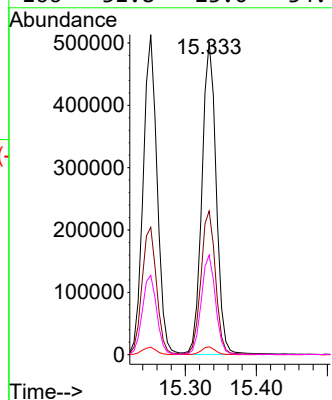
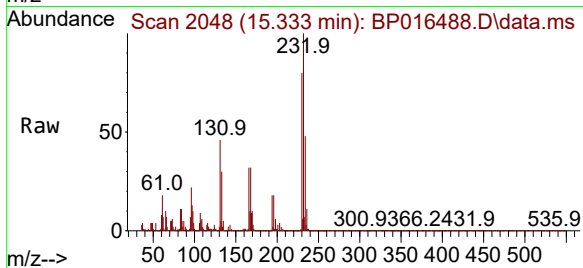




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.051 ng  
RT: 15.333 min Scan# 2048  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

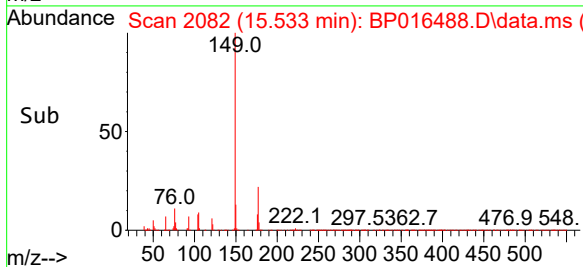
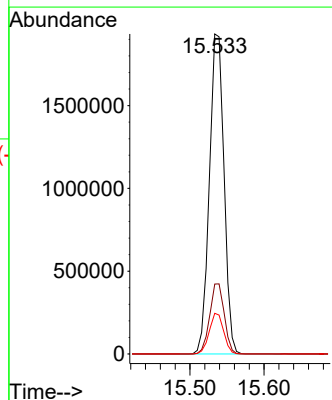
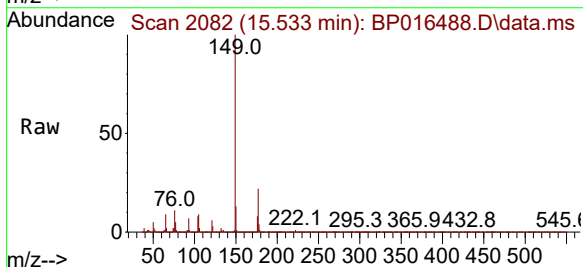
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

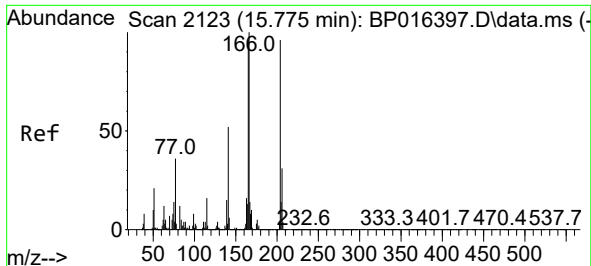
Tgt Ion:232 Resp: 700466  
Ion Ratio Lower Upper  
232 100  
131 46.7 33.1 49.7  
130 2.5 1.8 2.8  
166 31.8 23.0 34.4



#60  
Diethylphthalate  
Concen: 42.807 ng  
RT: 15.533 min Scan# 2082  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:149 Resp: 2648687  
Ion Ratio Lower Upper  
149 100  
177 21.9 18.6 27.8  
150 12.7 10.1 15.1

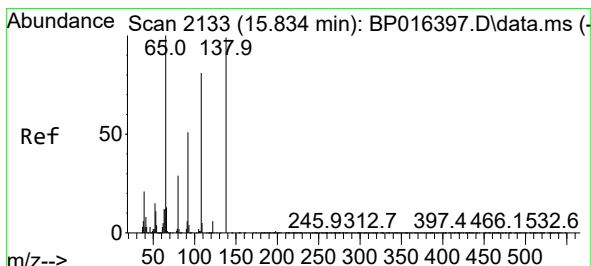
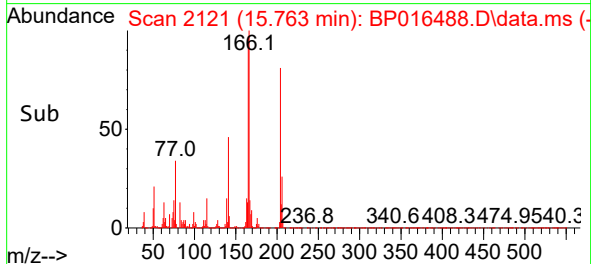
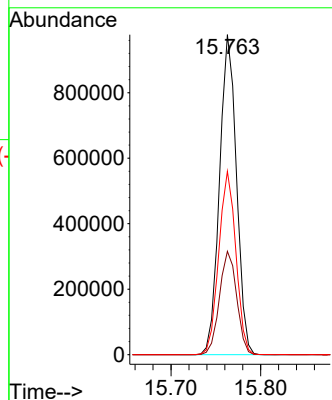
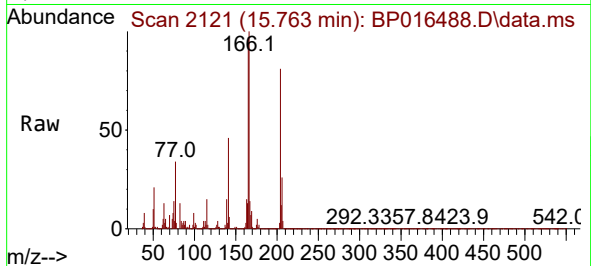




#61  
4-Chlorophenyl-phenylether  
Concen: 43.438 ng  
RT: 15.763 min Scan# 2121  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

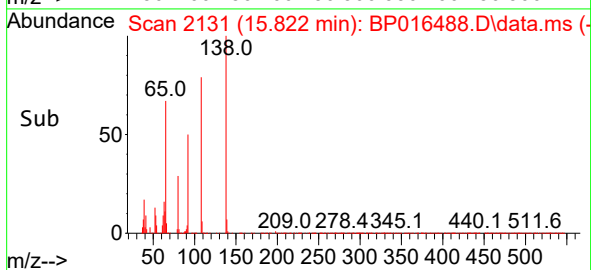
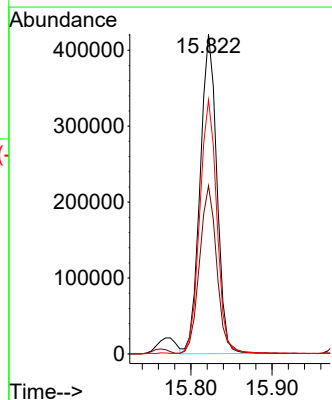
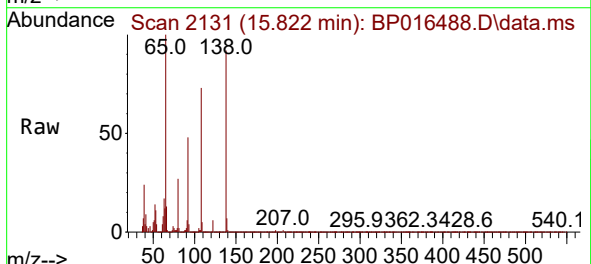
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

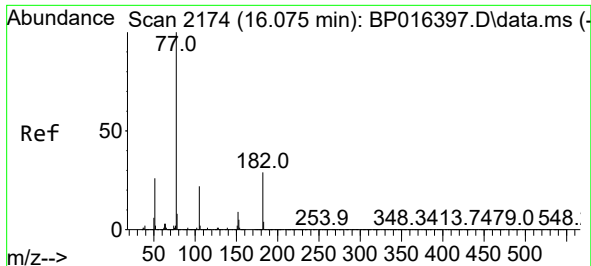
Tgt Ion:204 Resp: 1280442  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.2 39.4  
141 57.3 43.4 65.0



#62  
4-Nitroaniline  
Concen: 42.179 ng  
RT: 15.822 min Scan# 2131  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:138 Resp: 603625  
Ion Ratio Lower Upper  
138 100  
92 52.6 30.3 70.3  
108 79.4 60.1 100.1



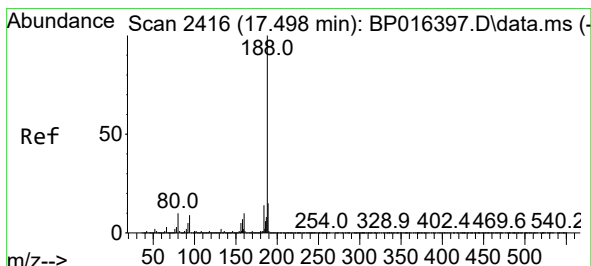
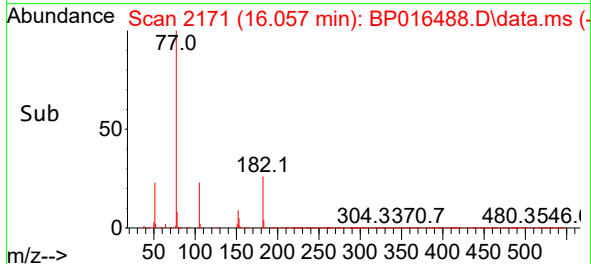
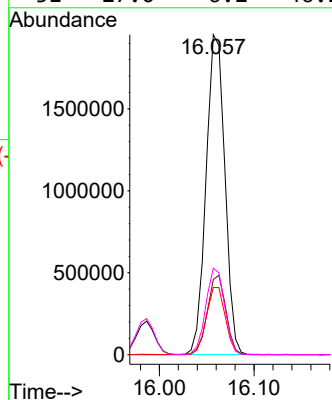
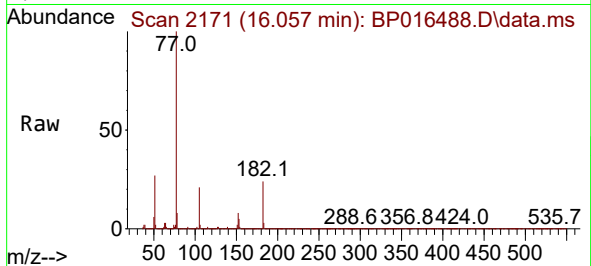


#63  
Azobenzene  
Concen: 46.081 ng  
RT: 16.057 min Scan# 2174  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

Tgt Ion: 77 Resp: 2692274

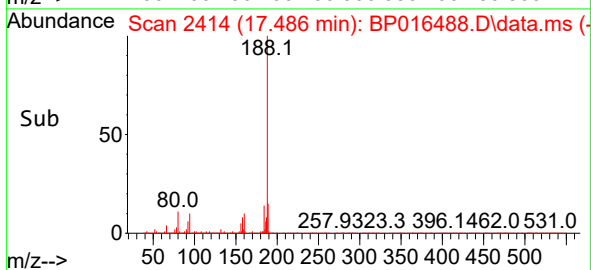
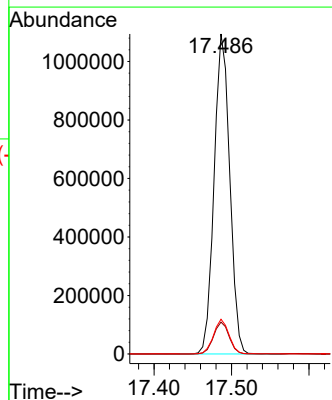
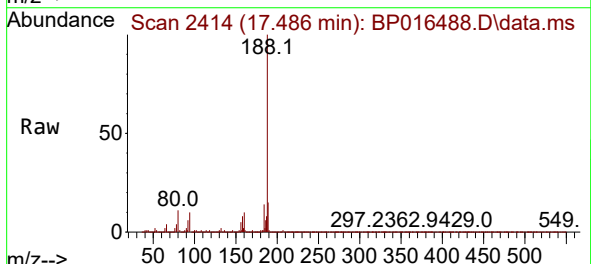
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 23.5  | 8.6   | 48.6  |
| 105 | 21.0  | 2.4   | 42.4  |
| 51  | 27.0  | 6.2   | 46.2  |

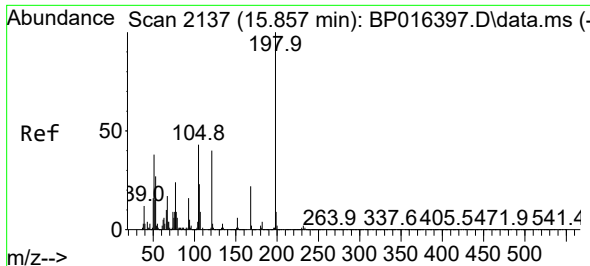


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.486 min Scan# 2414  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion: 188 Resp: 1532365

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.9   | 7.4   | 11.0  |
| 80  | 10.8  | 7.8   | 11.8  |

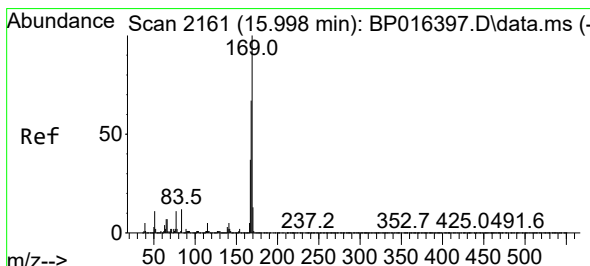
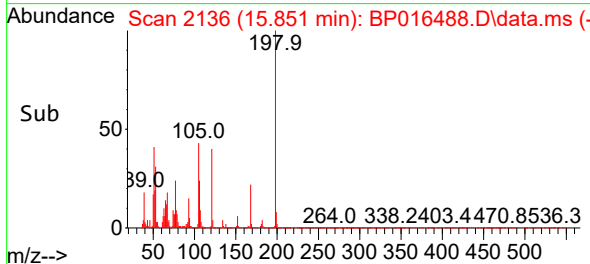
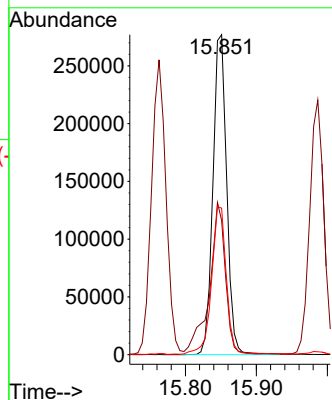
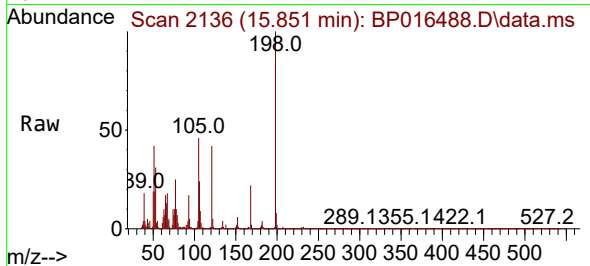




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.389 ng  
RT: 15.851 min Scan# 2137  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

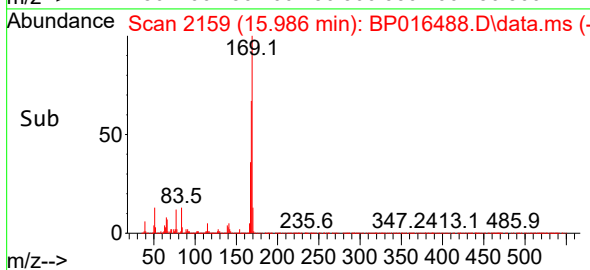
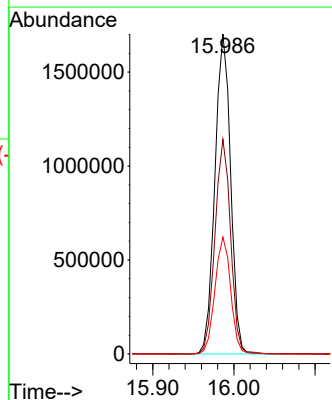
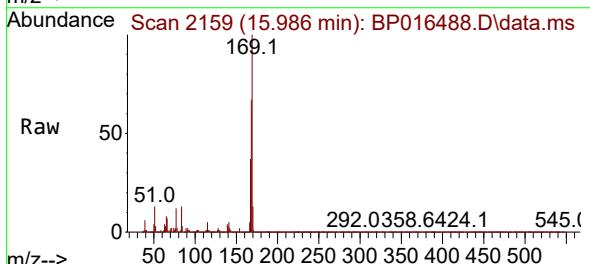
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

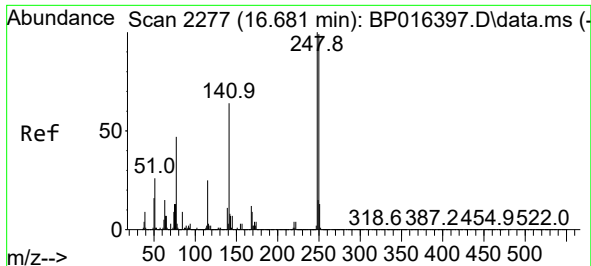
Tgt Ion:198 Resp: 372400  
Ion Ratio Lower Upper  
198 100  
51 41.9 20.1 60.1  
105 45.8 23.1 63.1



#66  
n-Nitrosodiphenylamine  
Concen: 50.578 ng  
RT: 15.986 min Scan# 2159  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:169 Resp: 2284099  
Ion Ratio Lower Upper  
169 100  
168 67.0 53.6 80.4  
167 36.5 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 47.382 ng  
RT: 16.669 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

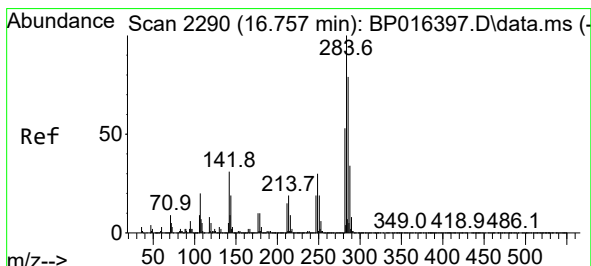
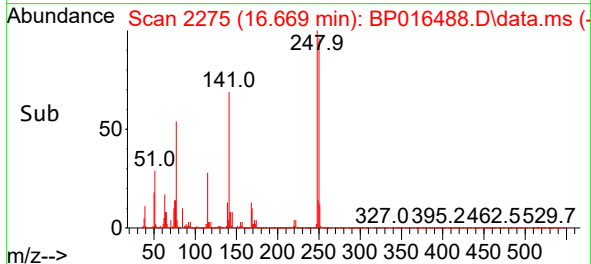
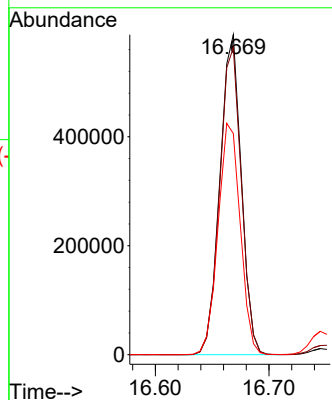
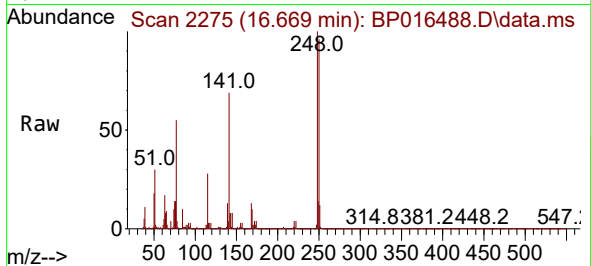
Instrument :

BNA\_P

ClientSampleId :

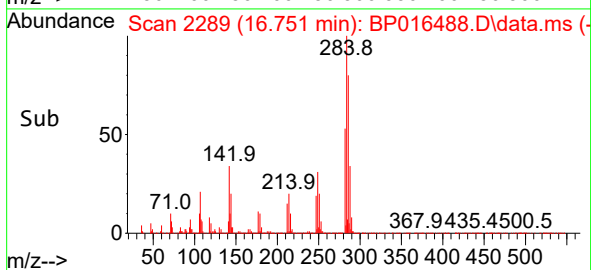
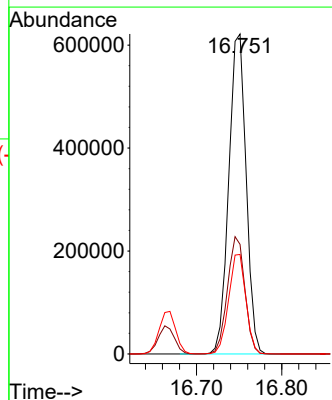
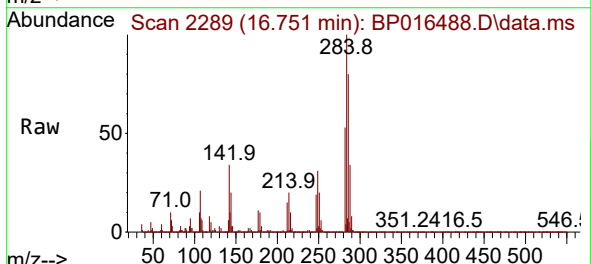
PB154404BS

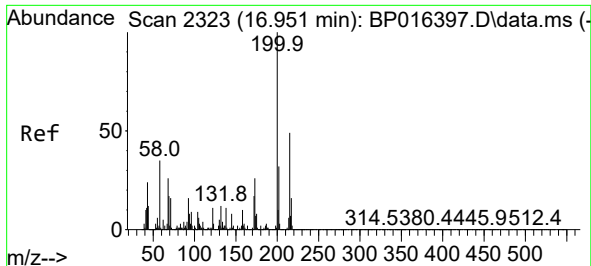
Tgt Ion:248 Resp: 768804  
Ion Ratio Lower Upper  
248 100  
250 95.9 78.9 118.3  
141 69.1 51.0 76.4



#68  
Hexachlorobenzene  
Concen: 48.458 ng  
RT: 16.751 min Scan# 2289  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:284 Resp: 876825  
Ion Ratio Lower Upper  
284 100  
142 34.3 25.2 37.8  
249 31.1 26.0 39.0

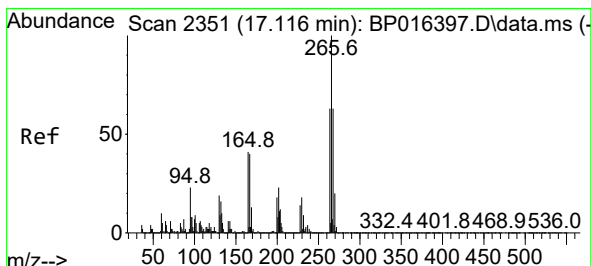
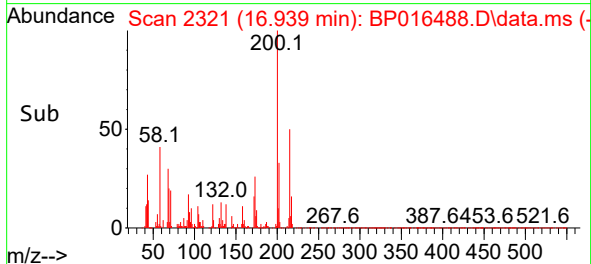
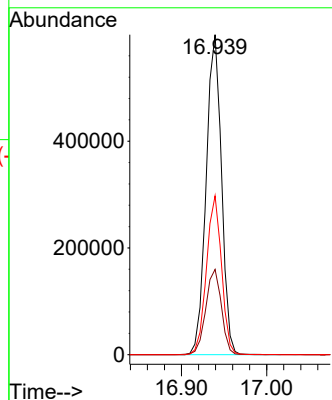
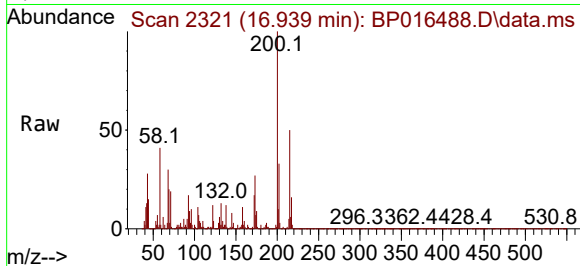




#69  
 Atrazine  
 Concen: 55.790 ng  
 RT: 16.939 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP016488.D  
 Acq: 03 Aug 2023 12:51

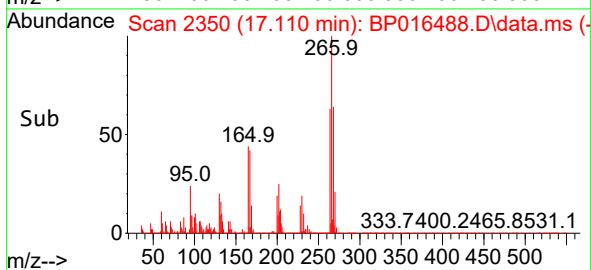
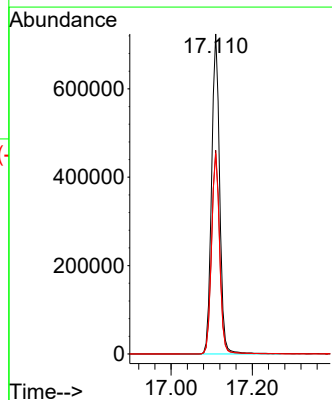
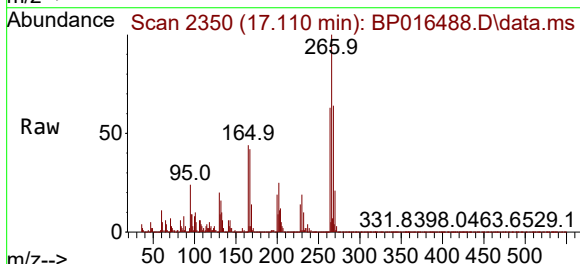
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB154404BS

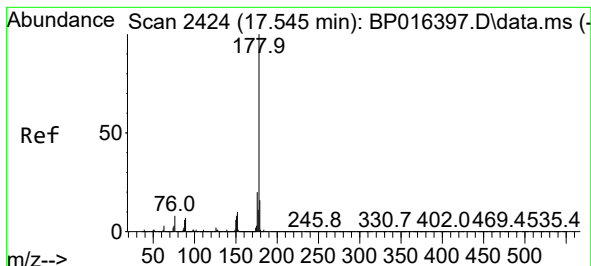
Tgt Ion:200 Resp: 749288  
 Ion Ratio Lower Upper  
 200 100  
 173 26.7 5.8 45.8  
 215 49.6 29.2 69.2



#70  
 Pentachlorophenol  
 Concen: 79.431 ng  
 RT: 17.110 min Scan# 2350  
 Delta R.T. -0.006 min  
 Lab File: BP016488.D  
 Acq: 03 Aug 2023 12:51

Tgt Ion:266 Resp: 994620  
 Ion Ratio Lower Upper  
 266 100  
 268 63.6 53.9 80.9  
 264 62.7 54.9 82.3





#71

Phenanthrene

Concen: 48.776 ng

RT: 17.533 min Scan# 2422

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

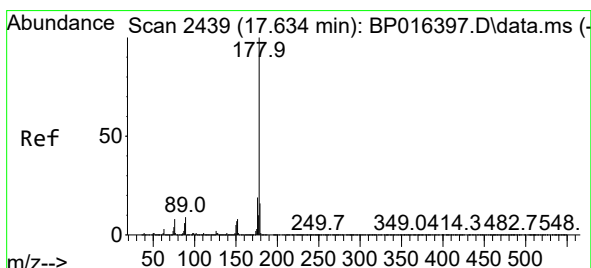
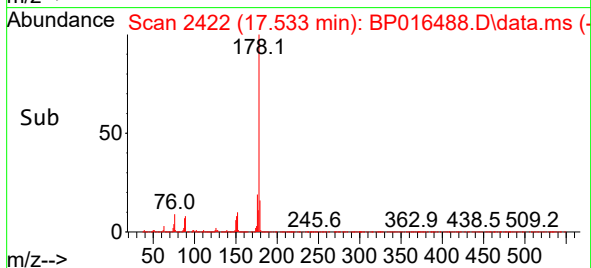
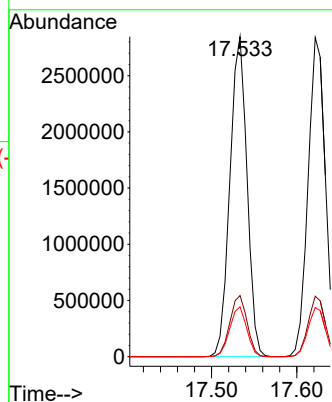
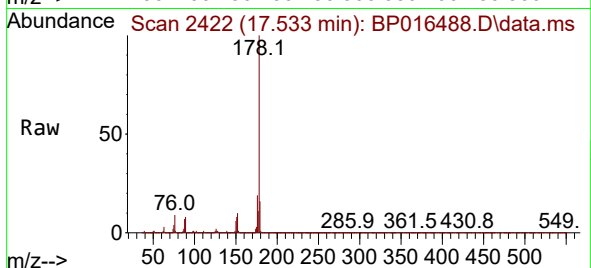
Tgt Ion:178 Resp: 3968794

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 15.6 12.4 18.6



#72

Anthracene

Concen: 48.795 ng

RT: 17.622 min Scan# 2437

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

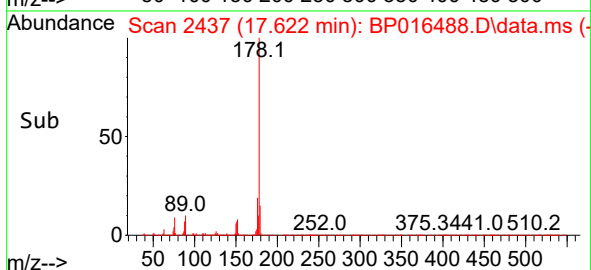
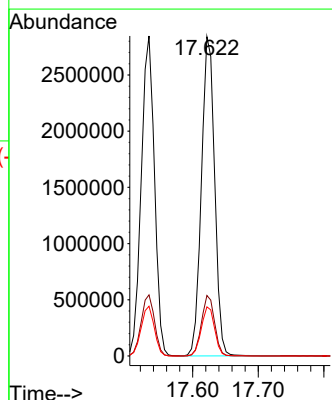
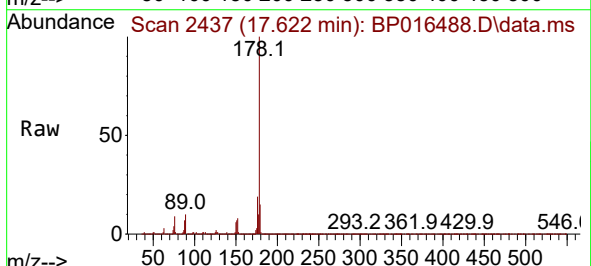
Tgt Ion:178 Resp: 3992358

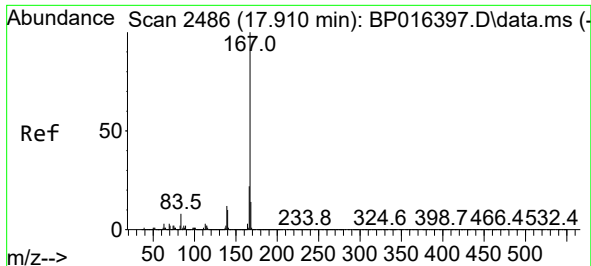
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.4 12.6 19.0

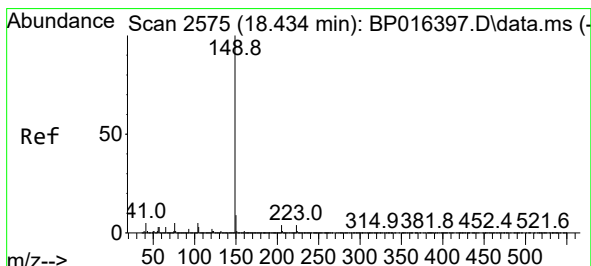
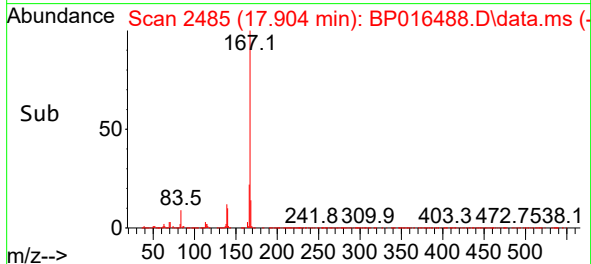
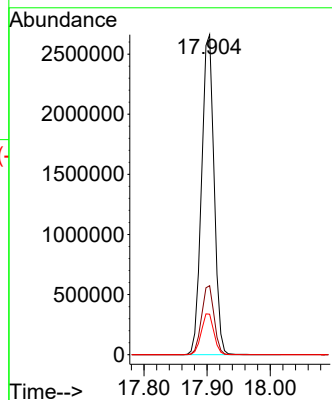
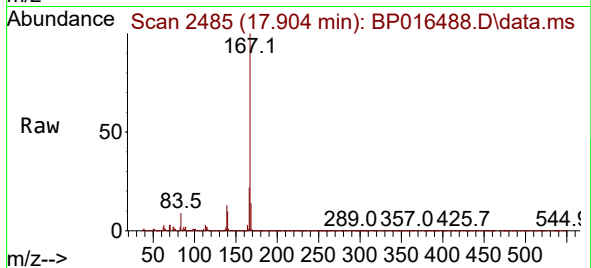




#73  
Carbazole  
Concen: 47.742 ng  
RT: 17.904 min Scan# 2485  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

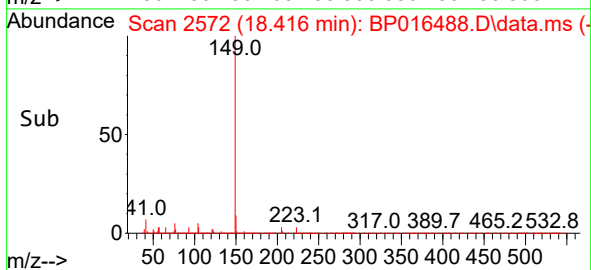
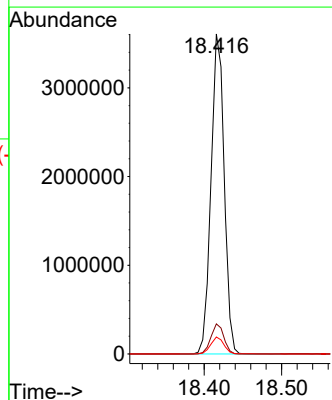
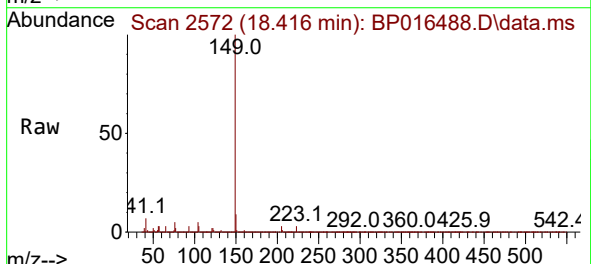
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

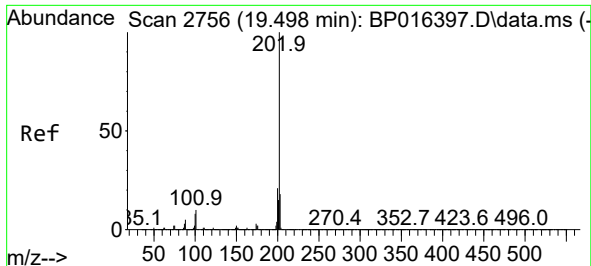
Tgt Ion:167 Resp: 3662260  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 12.6 9.9 14.9



#74  
Di-n-butylphthalate  
Concen: 48.098 ng  
RT: 18.416 min Scan# 2572  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:149 Resp: 4268547  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.4 11.2  
104 5.3 3.8 5.8

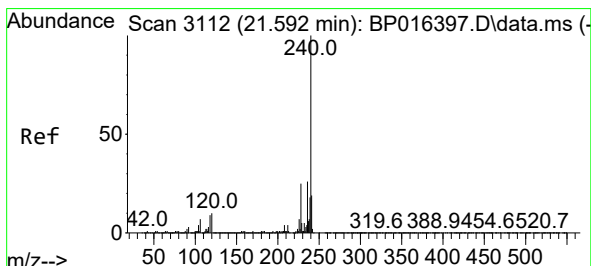
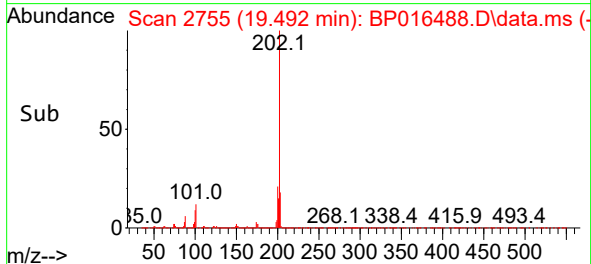
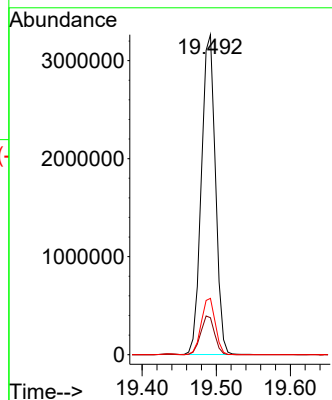
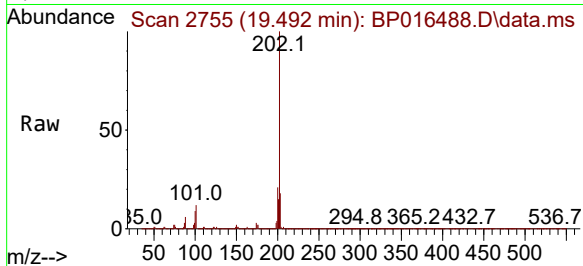




#75  
Fluoranthene  
Concen: 44.945 ng  
RT: 19.492 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

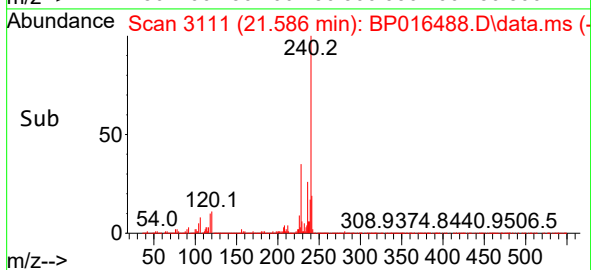
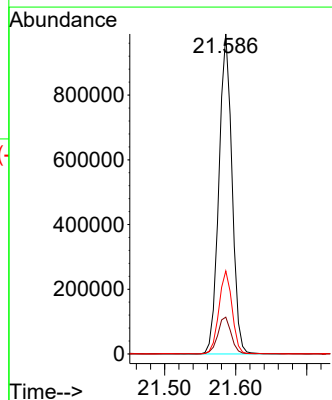
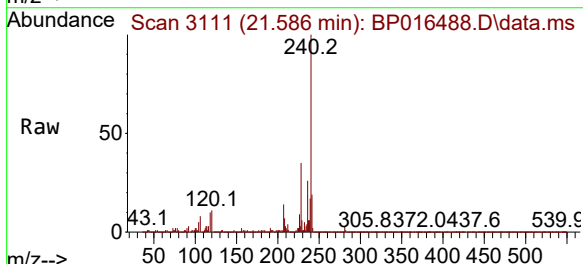
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

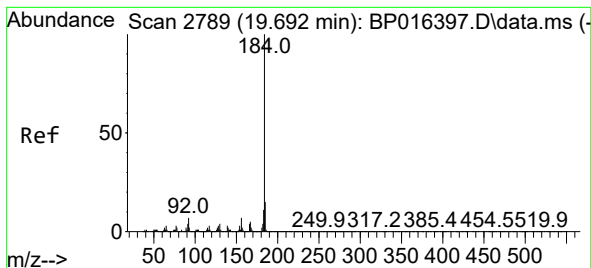
Tgt Ion:202 Resp: 4286426  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.2  
203 17.6 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.586 min Scan# 3111  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:240 Resp: 1259877  
Ion Ratio Lower Upper  
240 100  
120 11.5 7.9 11.9  
236 26.0 21.1 31.7





#77

Benzidine

Concen: 79.976 ng

RT: 19.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

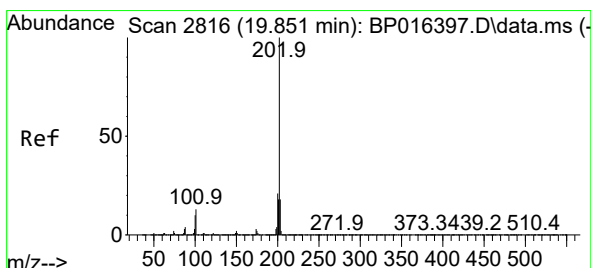
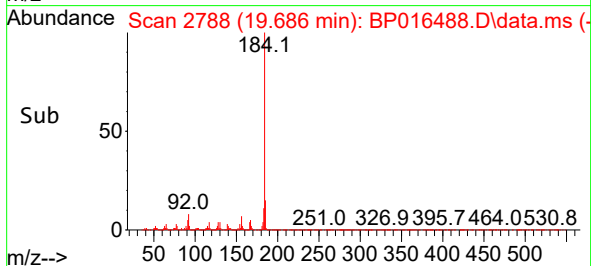
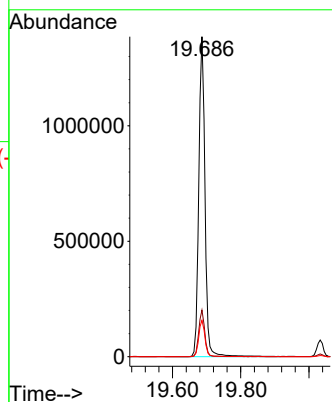
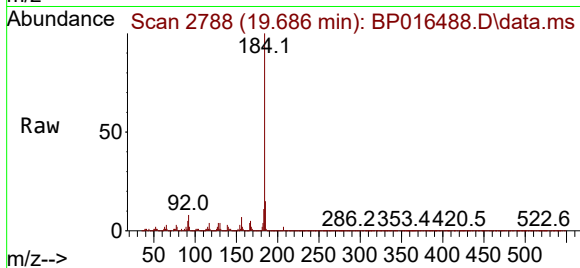
Tgt Ion:184 Resp: 1746941

Ion Ratio Lower Upper

184 100

185 14.5 12.0 18.0

183 11.4 9.2 13.8



#78

Pyrene

Concen: 52.690 ng

RT: 19.845 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

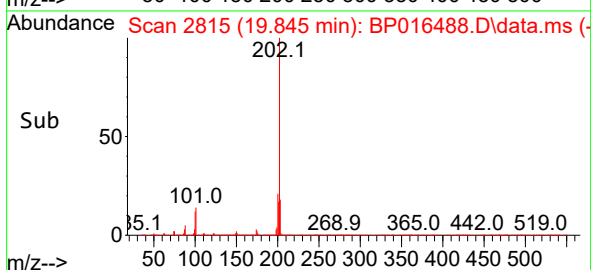
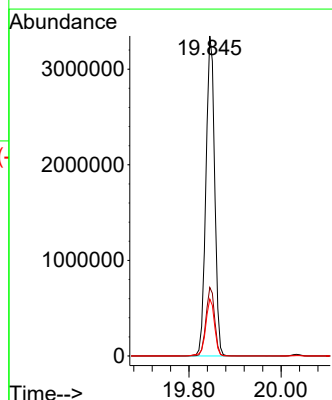
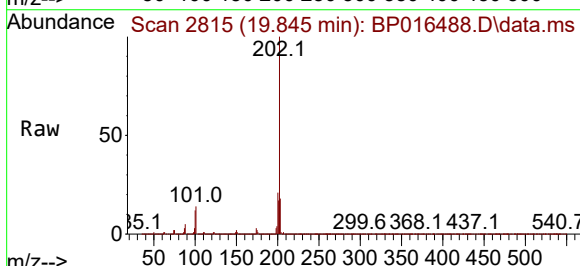
Tgt Ion:202 Resp: 4449998

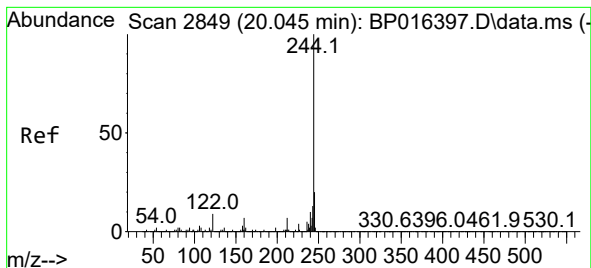
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 104.626 ng

RT: 20.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

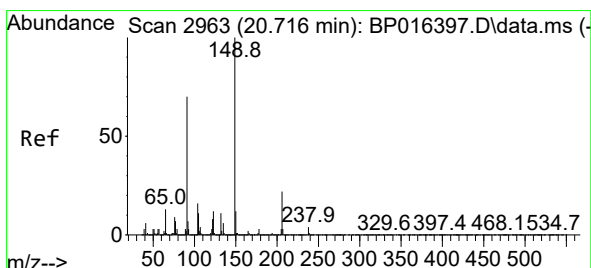
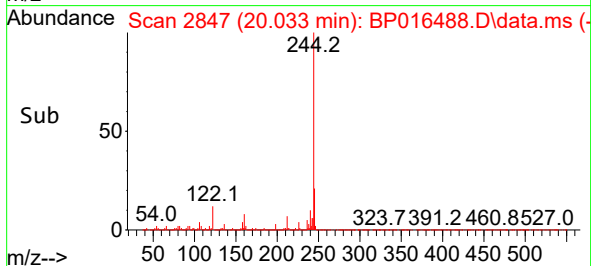
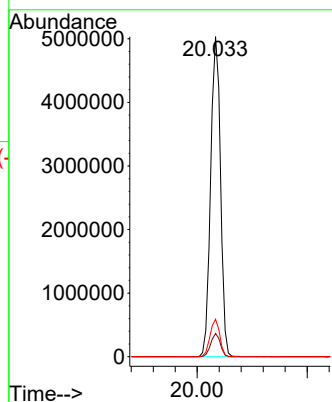
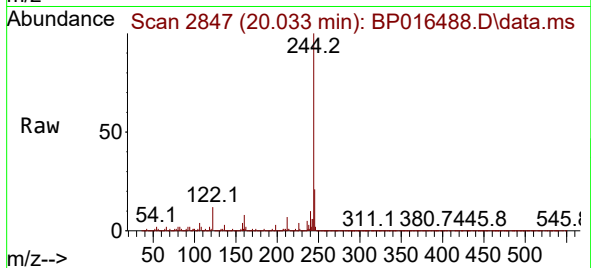
Tgt Ion:244 Resp: 6240063

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 11.7 7.4 11.2#



#80

Butylbenzylphthalate

Concen: 54.714 ng

RT: 20.710 min Scan# 2962

Delta R.T. -0.006 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

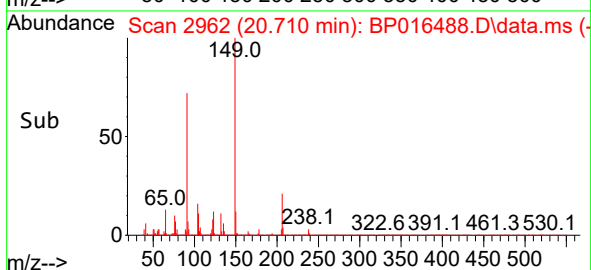
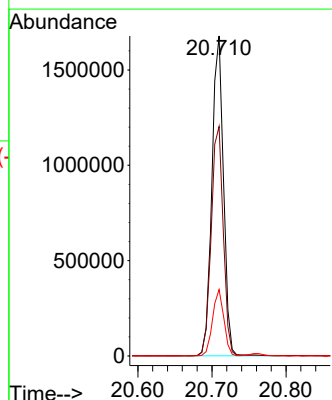
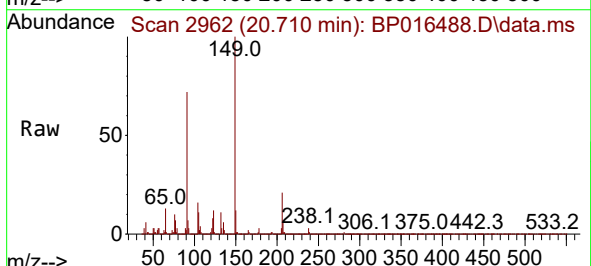
Tgt Ion:149 Resp: 1815367

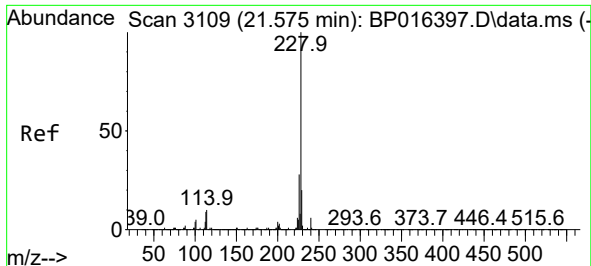
Ion Ratio Lower Upper

149 100

91 71.7 56.1 84.1

206 20.8 17.8 26.6

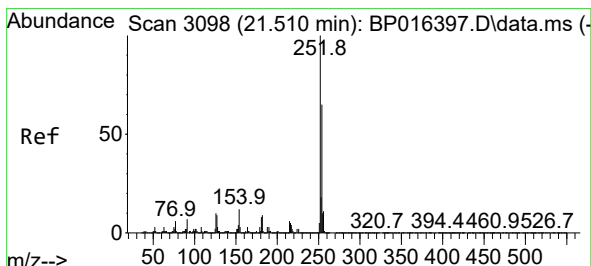
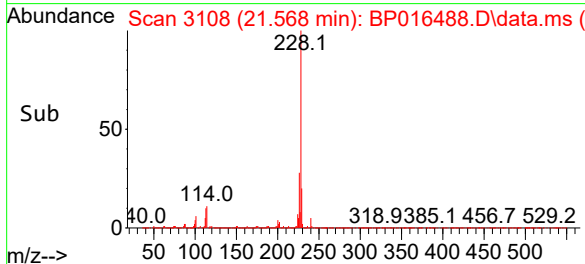
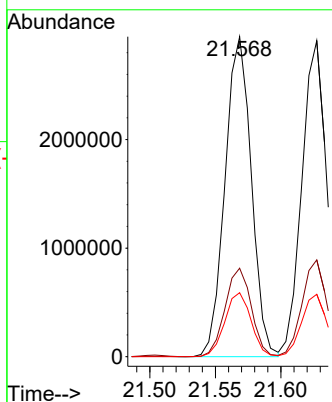
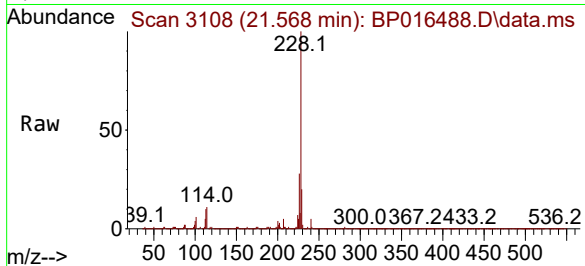




#81  
Benzo(a)anthracene  
Concen: 48.691 ng  
RT: 21.568 min Scan# 3109  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

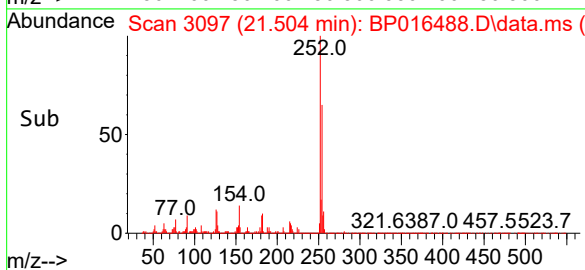
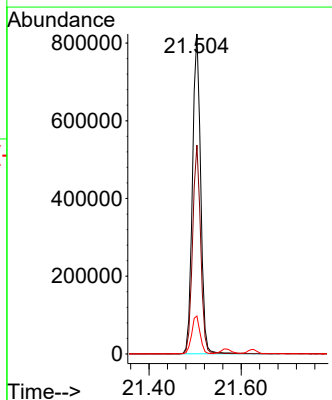
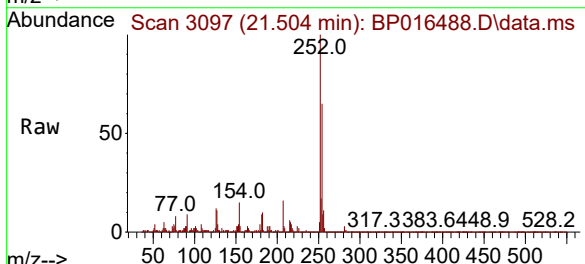
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

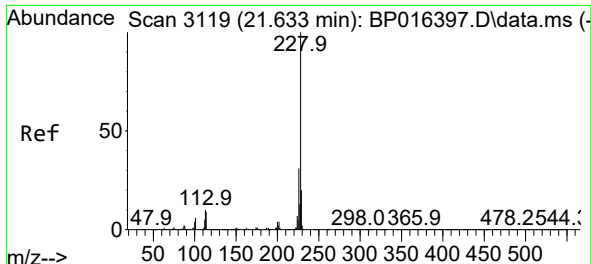
Tgt Ion:228 Resp: 4115985  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.4 33.6  
229 20.0 16.2 24.4



#82  
3,3'-Dichlorobenzidine  
Concen: 36.620 ng  
RT: 21.504 min Scan# 3097  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:252 Resp: 1016158  
Ion Ratio Lower Upper  
252 100  
254 65.3 52.2 78.2  
126 11.9 7.8 11.6

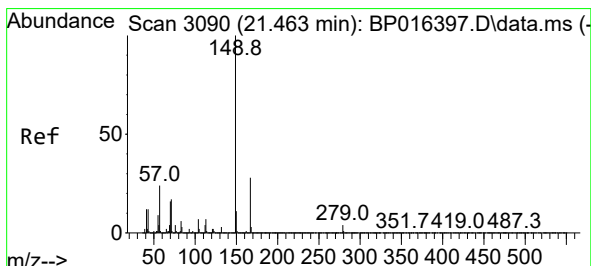
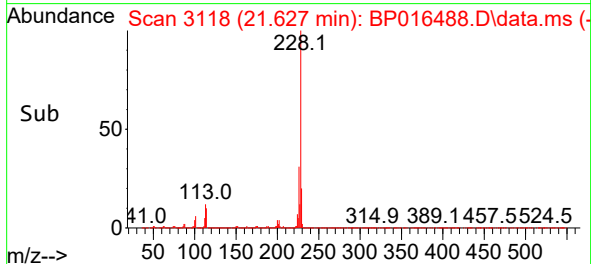
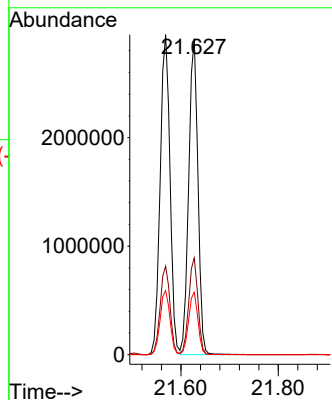
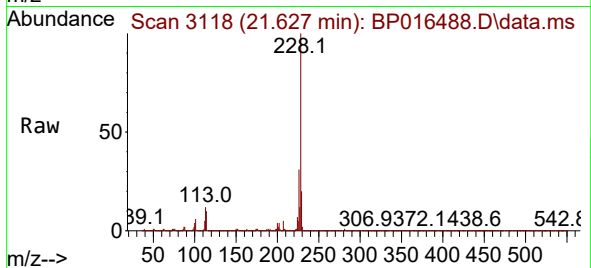




#83  
Chrysene  
Concen: 47.356 ng  
RT: 21.627 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

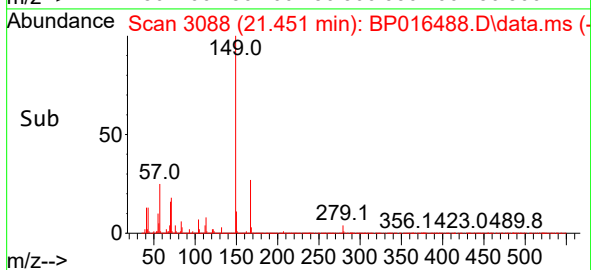
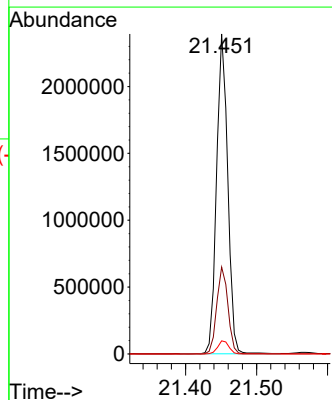
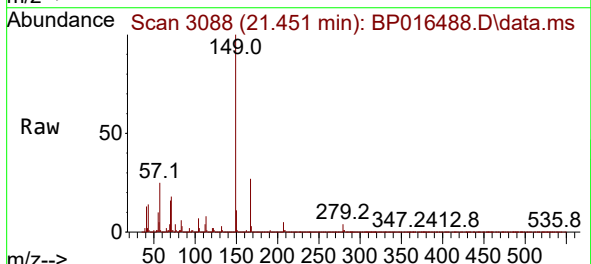
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

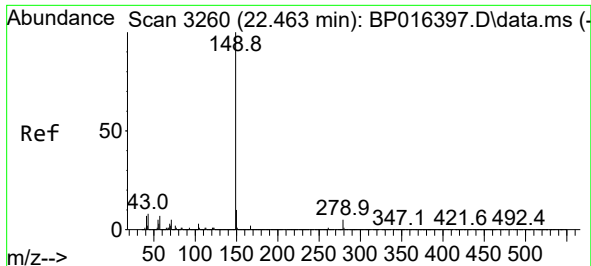
Tgt Ion:228 Resp: 3822652  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.6 37.0  
229 19.8 16.0 24.0



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.121 ng  
RT: 21.451 min Scan# 3088  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:149 Resp: 2596342  
Ion Ratio Lower Upper  
149 100  
167 27.2 22.5 33.7  
279 4.1 3.6 5.4

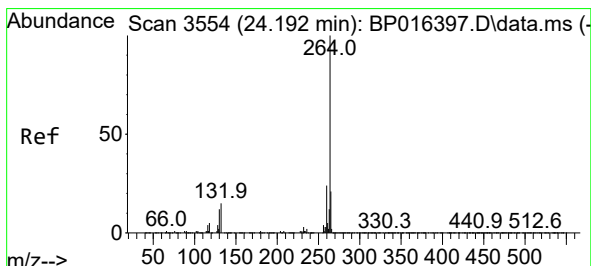
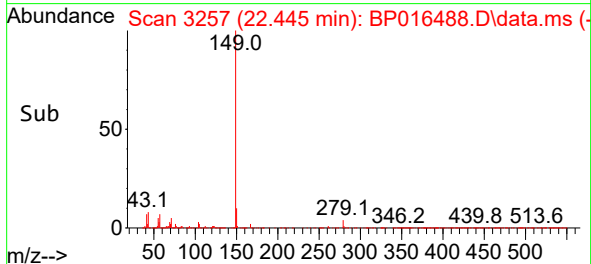
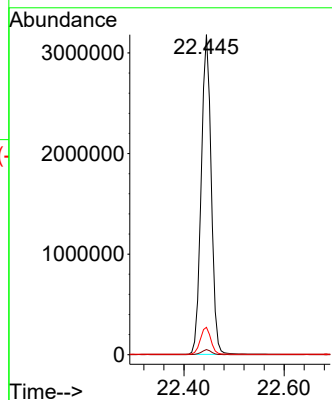
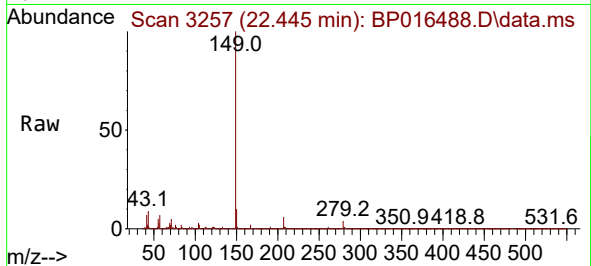




#85  
Di-n-octyl phthalate  
Concen: 52.429 ng  
RT: 22.445 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

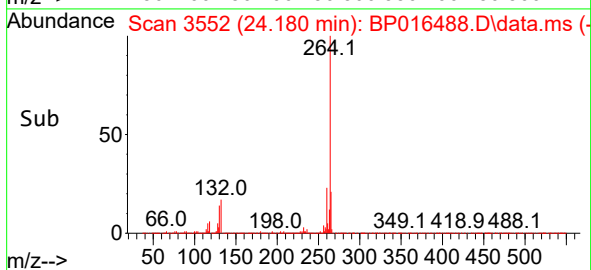
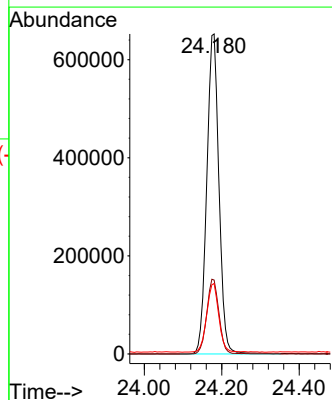
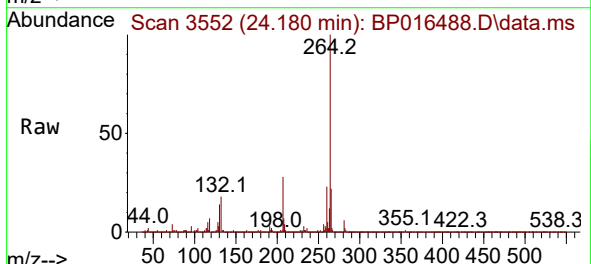
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

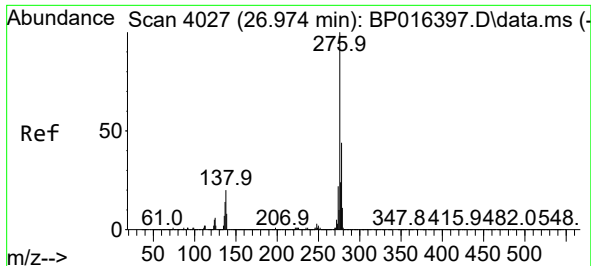
Tgt Ion:149 Resp: 4392475  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.8 6.6 9.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.180 min Scan# 3552  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:264 Resp: 1417706  
Ion Ratio Lower Upper  
264 100  
260 23.1 19.3 28.9  
265 22.0 17.4 26.0

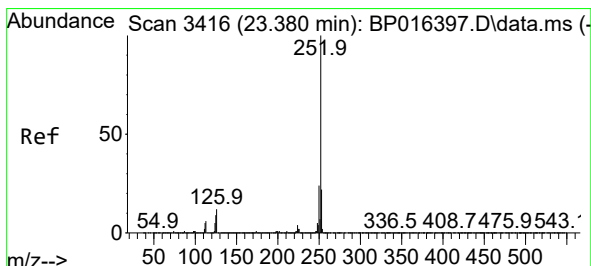
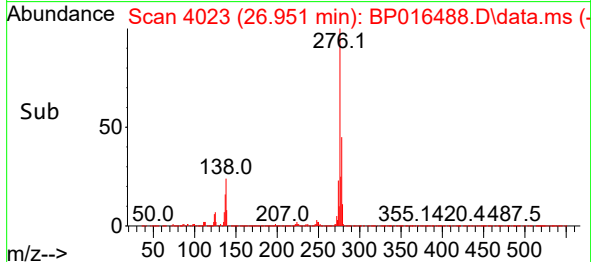
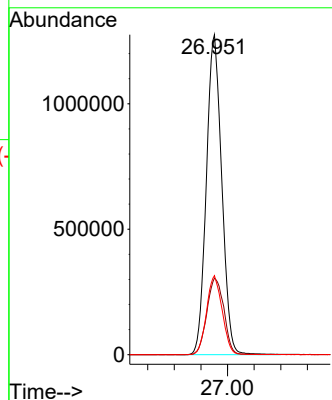
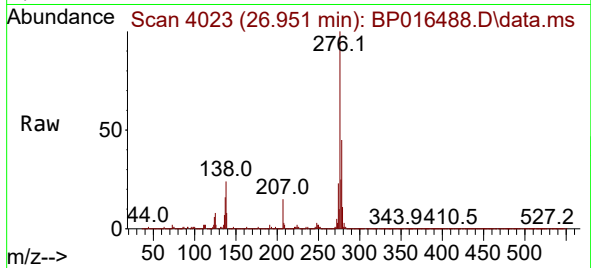




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 53.442 ng  
RT: 26.951 min Scan# 4023  
Delta R.T. -0.024 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

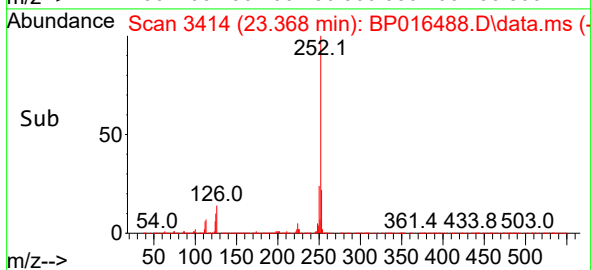
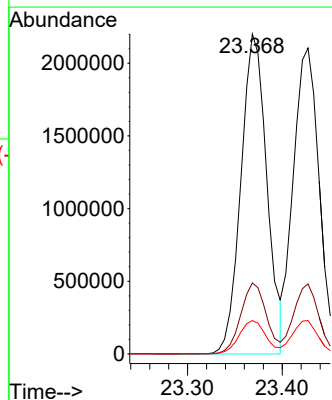
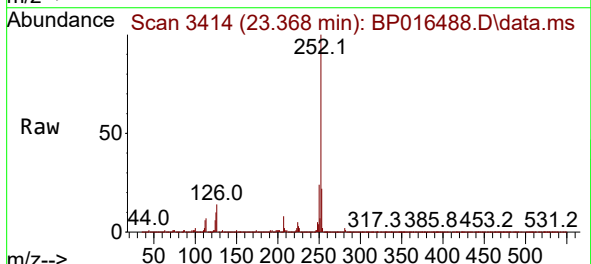
Instrument :  
BNA\_P  
ClientSampleId :  
PB154404BS

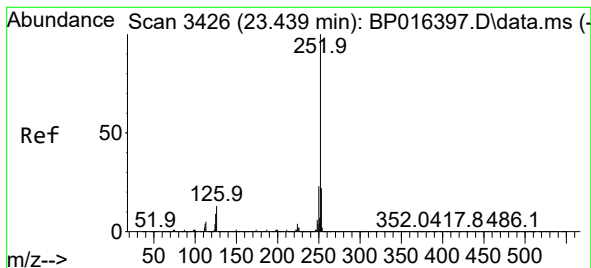
Tgt Ion:276 Resp: 5107942  
Ion Ratio Lower Upper  
276 100  
138 26.4 18.4 27.6  
277 25.1 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 50.889 ng  
RT: 23.368 min Scan# 3414  
Delta R.T. -0.012 min  
Lab File: BP016488.D  
Acq: 03 Aug 2023 12:51

Tgt Ion:252 Resp: 4182015  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.8  
125 10.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 50.037 ng

RT: 23.368 min Scan# 34

Delta R.T. -0.071 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

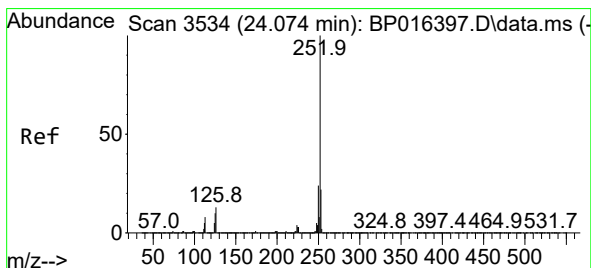
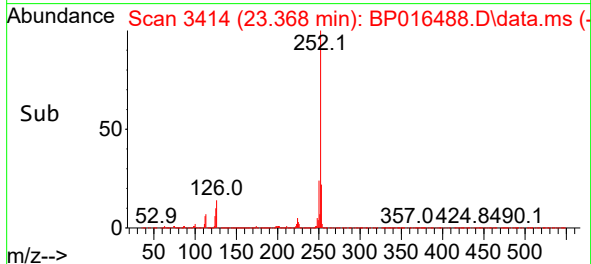
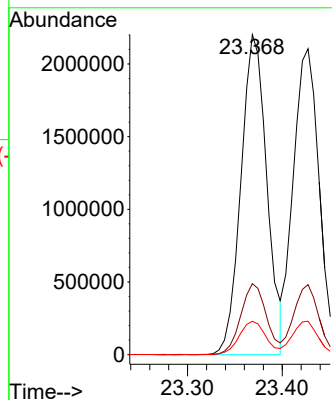
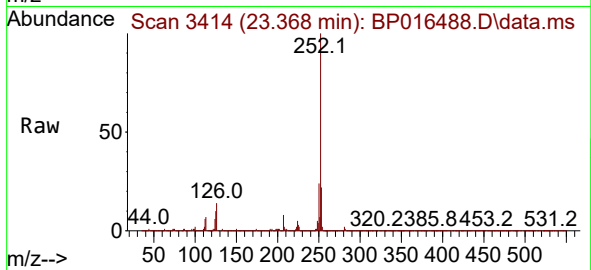
Tgt Ion:252 Resp: 4182015

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 10.5 7.1 10.7



#90

Benzo(a)pyrene

Concen: 46.492 ng

RT: 24.062 min Scan# 3532

Delta R.T. -0.012 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

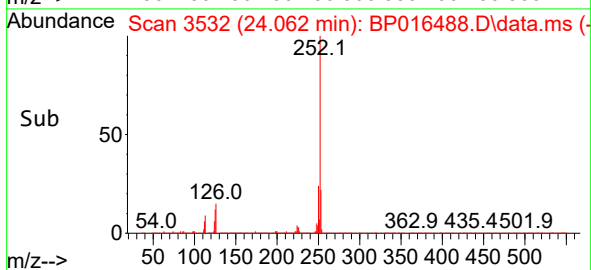
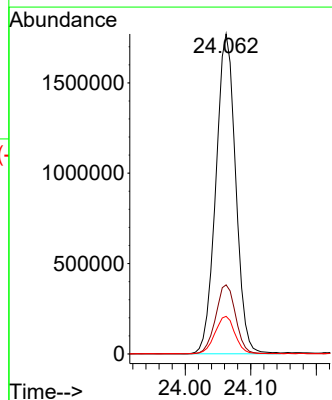
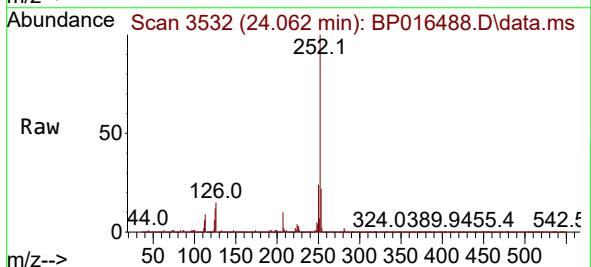
Tgt Ion:252 Resp: 3700756

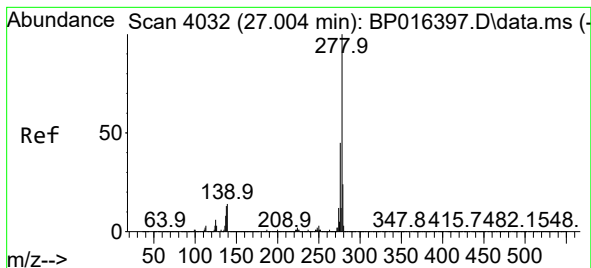
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 11.7 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 53.089 ng

RT: 26.980 min Scan# 4032

Delta R.T. -0.024 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Instrument :

BNA\_P

ClientSampleId :

PB154404BS

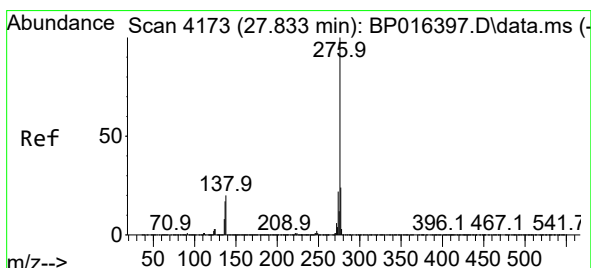
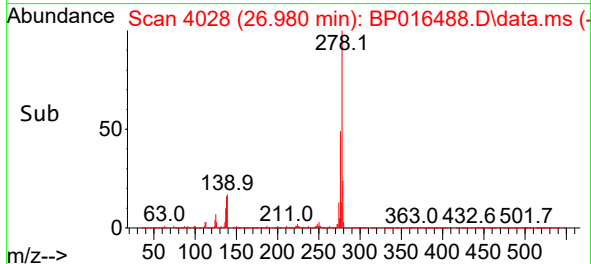
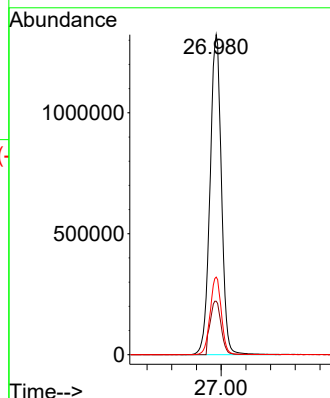
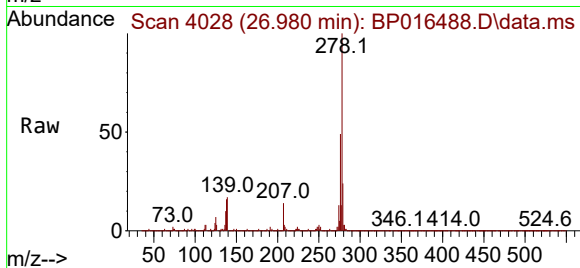
Tgt Ion:278 Resp: 4231642

Ion Ratio Lower Upper

278 100

139 16.7 11.6 17.4

279 24.3 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 53.746 ng

RT: 27.815 min Scan# 4170

Delta R.T. -0.018 min

Lab File: BP016488.D

Acq: 03 Aug 2023 12:51

Tgt Ion:276 Resp: 4128342

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 21.7 16.1 24.1

