

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP013023\  
 Data File : BP013642.D  
 Acq On : 30 Jan 2023 12:58  
 Operator : CG/JU  
 Sample : PB150519BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB150519BS

Quant Time: Jan 31 04:21:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP012623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 31 04:17:33 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.152  | 152  | 191622   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.981 | 136  | 652845   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.787 | 164  | 358164   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.539 | 188  | 717375   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.616 | 240  | 633605   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.198 | 264  | 735741   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.681  | 112  | 1498900  | 140.170 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.299  | 99   | 1827658  | 126.521 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.322  | 82   | 1083740  | 91.214  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.275 | 330  | 700940   | 128.542 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.410 | 172  | 2505402  | 99.905  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.069 | 244  | 3289704  | 91.621  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.528  | 88   | 181804   | 38.561  | ng    | 98       |
| 3) Pyridine                   | 3.940  | 79   | 482772   | 36.023  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.846  | 42   | 222254   | 42.433  | ng    | 94       |
| 6) Aniline                    | 7.469  | 93   | 670078   | 35.001  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.711  | 128  | 529930   | 46.684  | ng    | 100      |
| 9) Benzaldehyde               | 7.275  | 77   | 237795   | 24.013  | ng    | 96       |
| 10) Phenol                    | 7.328  | 94   | 660055   | 43.620  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.564  | 93   | 543477   | 43.371  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.040  | 146  | 630965   | 48.153  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.187  | 146  | 642729   | 48.372  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.511  | 146  | 607689   | 48.577  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.387  | 79   | 463407   | 41.313  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.681  | 45   | 607763   | 43.040  | ng    | 98       |
| 17) 2-Methylphenol            | 8.593  | 107  | 431896   | 39.554  | ng    | 98       |
| 18) Hexachloroethane          | 9.246  | 117  | 218621   | 45.927  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.963  | 70   | 376604   | 40.116  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.922  | 107  | 563224   | 37.640  | ng    | 97       |
| 22) Acetophenone              | 8.981  | 105  | 764637   | 46.402  | ng    | # 98     |
| 24) Nitrobenzene              | 9.369  | 77   | 567016   | 45.600  | ng    | 97       |
| 25) Isophorone                | 9.899  | 82   | 1039623  | 39.946  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.081 | 139  | 254738   | 47.690  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 10.134 | 122  | 434990   | 43.992  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.375 | 93   | 639702   | 43.201  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.622 | 162  | 493071   | 44.311  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.840 | 180  | 596011   | 48.311  | ng    | 96       |
| 31) Naphthalene               | 11.034 | 128  | 1504080  | 45.339  | ng    | 99       |
| 32) Benzoic acid              | 10.257 | 122  | 296004   | 41.065  | ng    | 98       |
| 33) 4-Chloroaniline           | 11.134 | 127  | 220601   | 15.317  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.316 | 225  | 401338   | 48.384  | ng    | 99       |
| 35) Caprolactam               | 11.922 | 113  | 121559   | 38.100  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 12.246 | 107  | 449190   | 38.079  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.628 | 142  | 1015979  | 40.073  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.846 | 142  | 940151   | 39.619  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.987 | 216  | 651195   | 52.188  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.969 | 237  | 803134   | 124.579 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.222 | 196  | 396225   | 47.457  | ng    | 98       |

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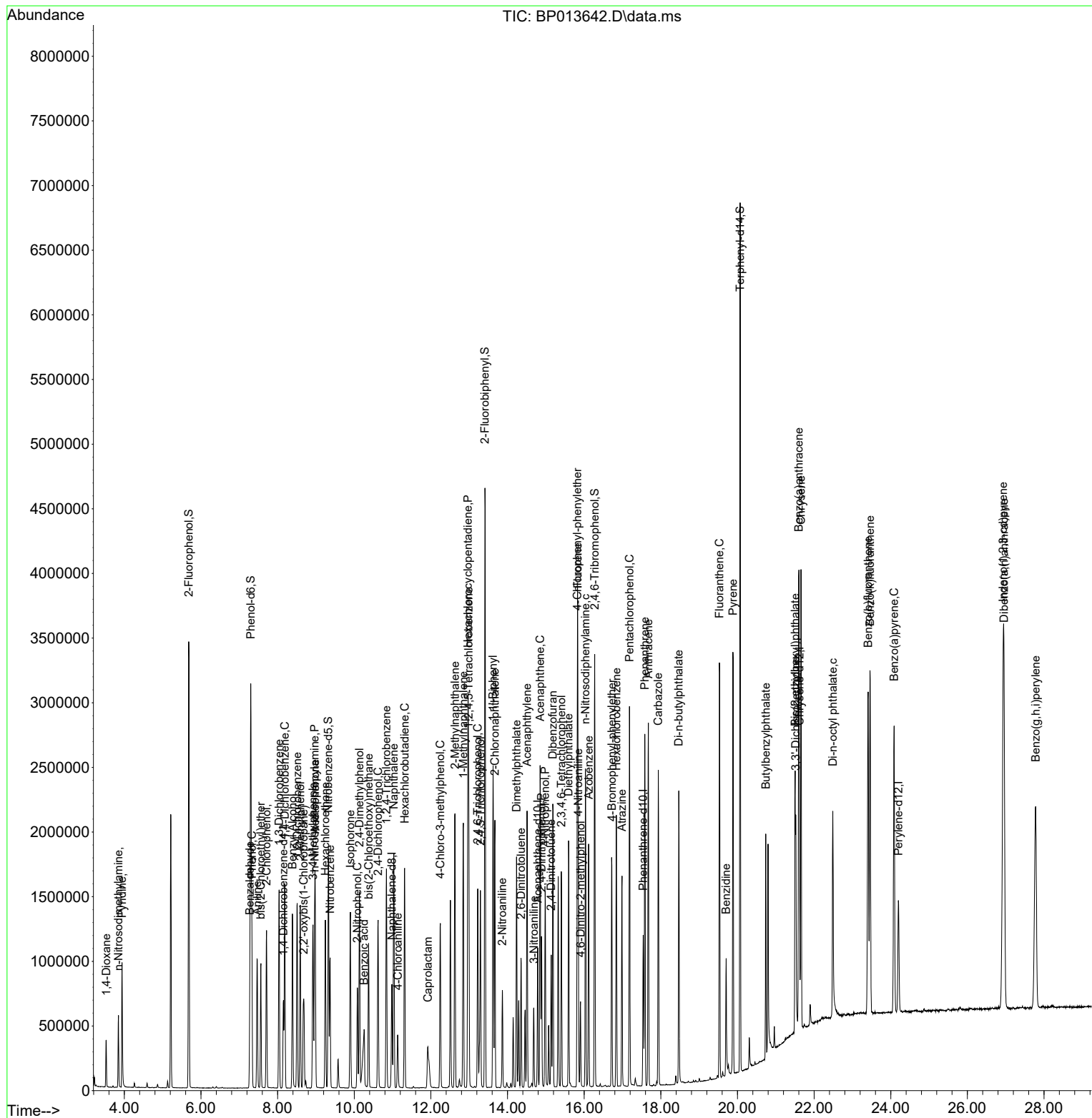
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.293 | 196  | 418946   | 42.907 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.622 | 154  | 1318134  | 49.387 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.669 | 162  | 1034542  | 50.792 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.863 | 65   | 195588   | 40.678 | ng    | 98       |
| 49) Acenaphthylene            | 14.510 | 152  | 1508978  | 44.916 | ng    | 99       |
| 50) Dimethylphthalate         | 14.234 | 163  | 1159658  | 41.684 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.357 | 165  | 221532   | 39.703 | ng    | 94       |
| 52) Acenaphthene              | 14.851 | 154  | 910176   | 42.330 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.687 | 138  | 154470   | 29.918 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.887 | 184  | 274939   | 80.427 | ng    | 100      |
| 55) Dibenzofuran              | 15.181 | 168  | 1470283  | 43.660 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.981 | 139  | 389445   | 85.877 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.140 | 165  | 290426   | 38.860 | ng    | 95       |
| 58) Fluorene                  | 15.834 | 166  | 1131506  | 43.938 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.404 | 232  | 357755   | 42.295 | ng    | 99       |
| 60) Diethylphthalate          | 15.592 | 149  | 1078218  | 42.439 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.822 | 204  | 623232   | 42.858 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.845 | 138  | 202050   | 40.673 | ng    | 94       |
| 63) Azobenzene                | 16.116 | 77   | 1021748  | 39.470 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.904 | 198  | 166738   | 43.227 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 16.034 | 169  | 966607   | 48.905 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.722 | 248  | 385936   | 46.674 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.839 | 284  | 460375   | 50.937 | ng    | 97       |
| 69) Atrazine                  | 16.987 | 200  | 337818   | 55.913 | ng    | 99       |
| 70) Pentachlorophenol         | 17.181 | 266  | 569518   | 81.081 | ng    | 99       |
| 71) Phenanthrene              | 17.581 | 178  | 1735503  | 47.170 | ng    | 100      |
| 72) Anthracene                | 17.675 | 178  | 1750159  | 47.077 | ng    | 99       |
| 73) Carbazole                 | 17.934 | 167  | 1518651  | 45.842 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.469 | 149  | 1675609  | 54.562 | ng    | 99       |
| 75) Fluoranthene              | 19.528 | 202  | 1997377  | 43.526 | ng    | 99       |
| 77) Benzidine                 | 19.704 | 184  | 636660   | 95.840 | ng    | 99       |
| 78) Pyrene                    | 19.886 | 202  | 2070010  | 42.214 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.739 | 149  | 481068   | 68.739 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.598 | 228  | 2016783  | 45.202 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.522 | 252  | 513476   | 45.927 | ng    | 98       |
| 83) Chrysene                  | 21.657 | 228  | 1903832  | 45.413 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.504 | 149  | 840419   | 71.412 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.486 | 149  | 1599628  | 74.588 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.933 | 276  | 2882280  | 55.723 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.410 | 252  | 2157137  | 45.668 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.457 | 252  | 2106249  | 44.917 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.086 | 252  | 1945556  | 43.761 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.957 | 278  | 2413136  | 56.067 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.780 | 276  | 2431602  | 57.378 | ng    | 99       |

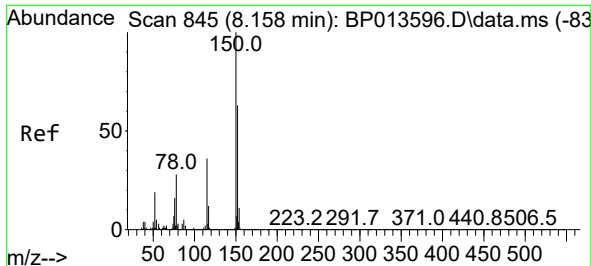
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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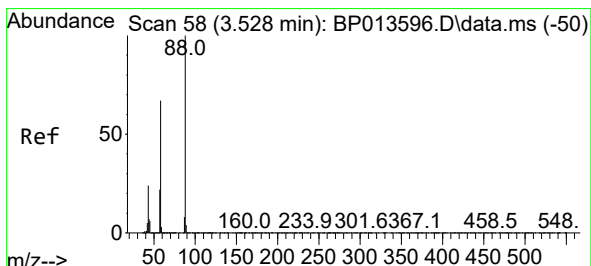
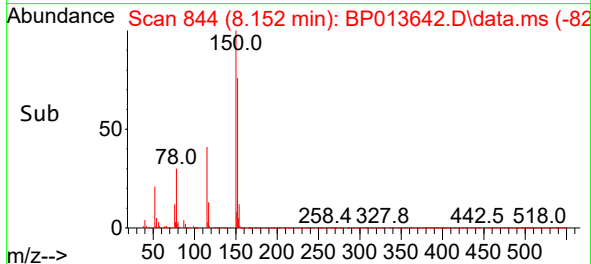
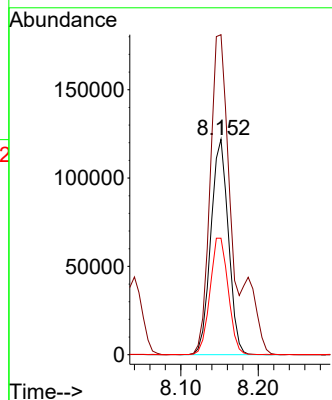
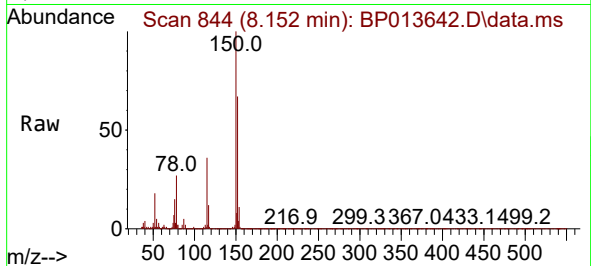




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.152 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: BP013642.D  
 Acq: 30 Jan 2023 12:58

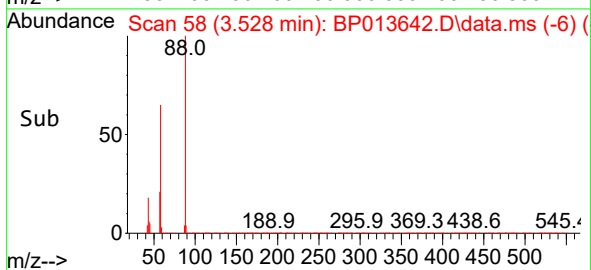
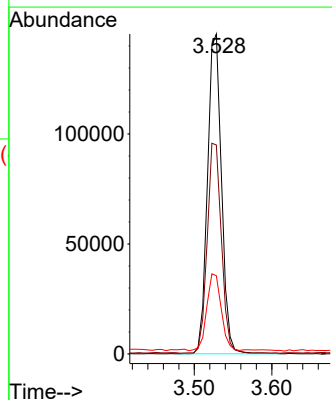
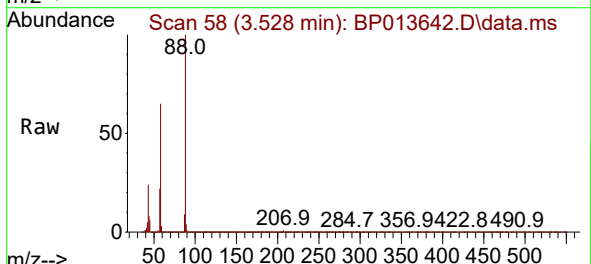
Instrument :  
 BNA\_P  
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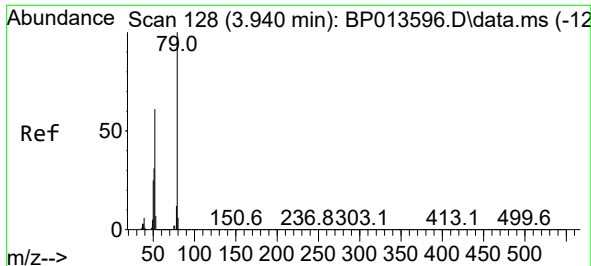
Tgt Ion:152 Resp: 191622  
 Ion Ratio Lower Upper  
 152 100  
 150 148.6 126.2 189.2  
 115 54.1 45.1 67.7



#2  
 1,4-Dioxane  
 Concen: 38.561 ng  
 RT: 3.528 min Scan# 58  
 Delta R.T. 0.006 min  
 Lab File: BP013642.D  
 Acq: 30 Jan 2023 12:58

Tgt Ion: 88 Resp: 181804  
 Ion Ratio Lower Upper  
 88 100  
 58 66.5 54.2 81.4  
 43 24.9 20.4 30.6





#3

Pyridine

Concen: 36.023 ng

RT: 3.940 min Scan# 112

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

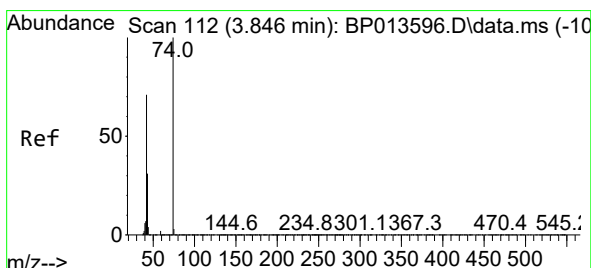
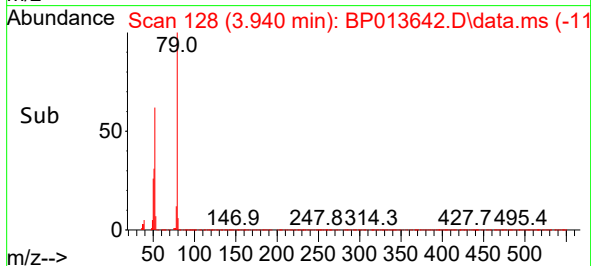
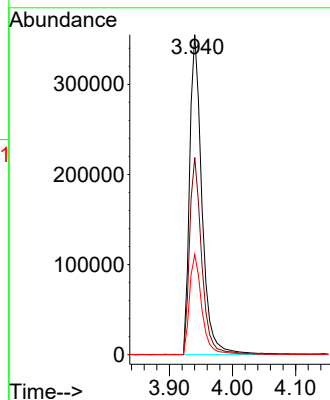
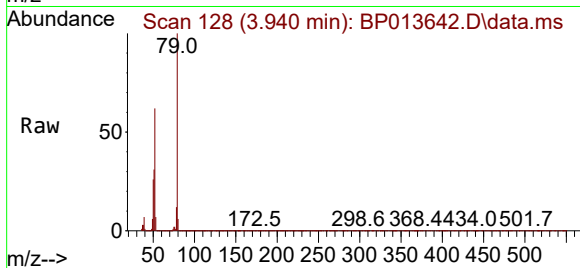
Tgt Ion: 79 Resp: 482772

Ion Ratio Lower Upper

79 100

52 61.6 48.6 73.0

51 31.3 25.1 37.7



#4

n-Nitrosodimethylamine

Concen: 42.433 ng

RT: 3.846 min Scan# 112

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

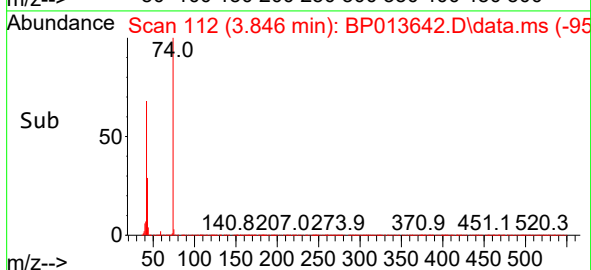
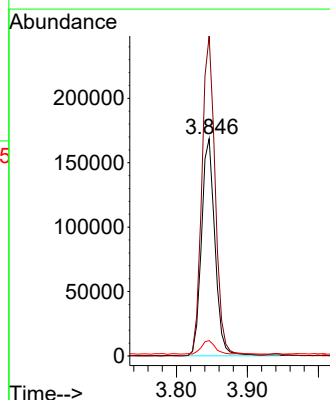
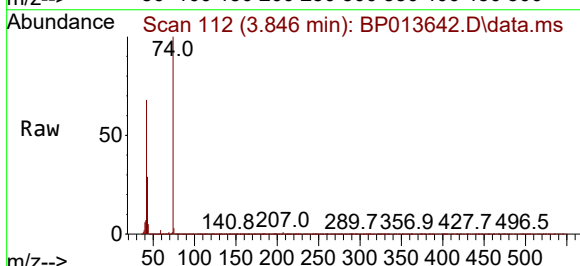
Tgt Ion: 42 Resp: 222254

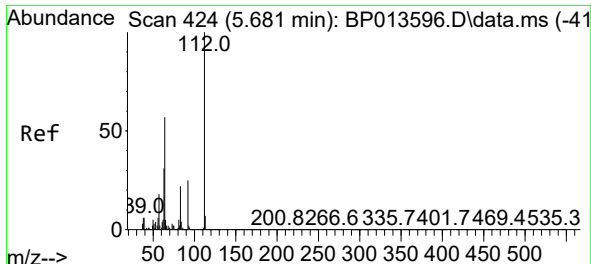
Ion Ratio Lower Upper

42 100

74 147.2 112.2 168.2

44 7.1 5.6 8.4

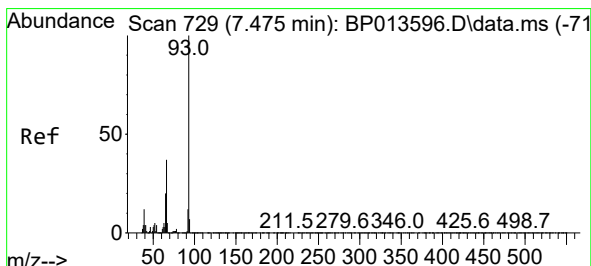
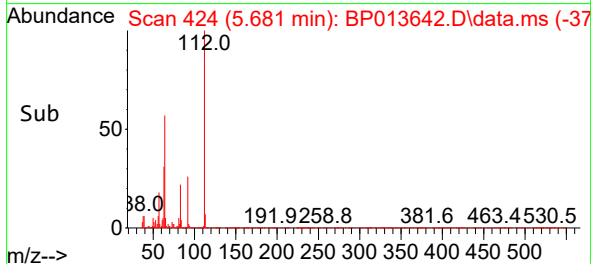
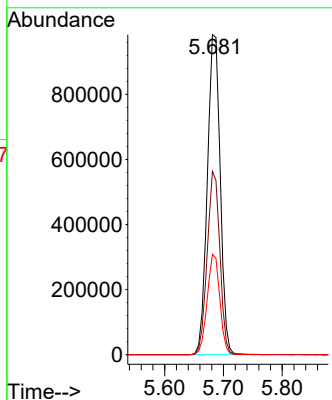
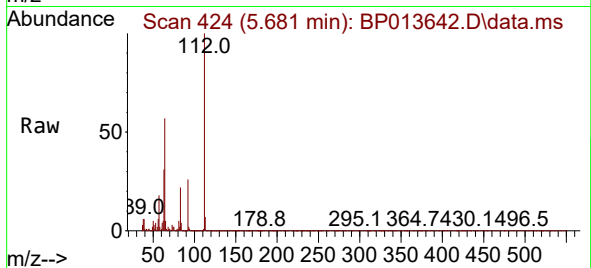




#5  
2-Fluorophenol  
Concen: 140.170 ng  
RT: 5.681 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

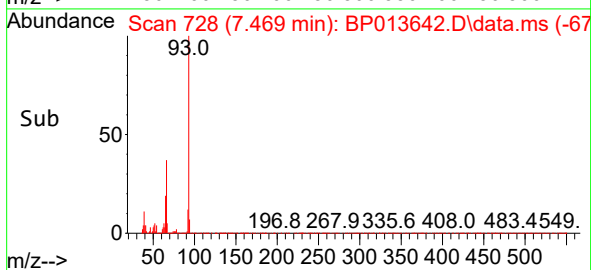
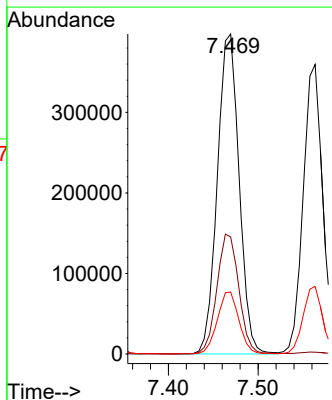
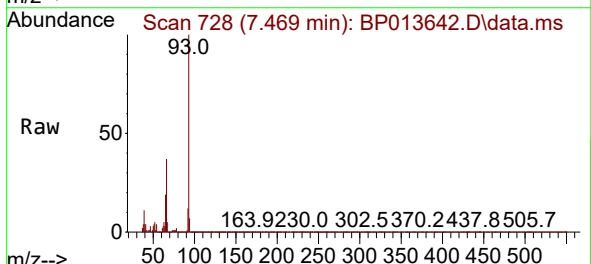
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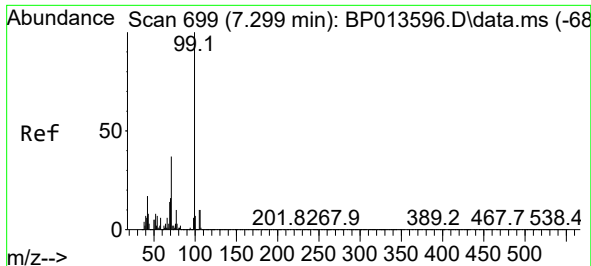
Tgt Ion:112 Resp: 1498900  
Ion Ratio Lower Upper  
112 100  
64 57.3 45.5 68.3  
63 31.4 25.1 37.7



#6  
Aniline  
Concen: 35.001 ng  
RT: 7.469 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
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Tgt Ion: 93 Resp: 670078  
Ion Ratio Lower Upper  
93 100  
66 36.6 29.8 44.8  
65 19.4 15.8 23.6



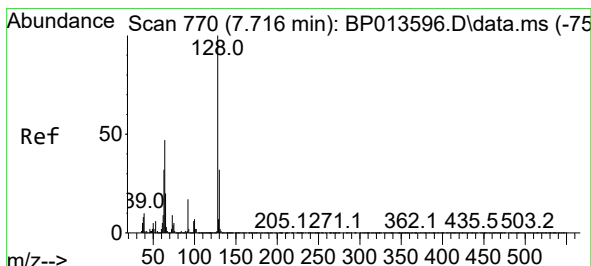
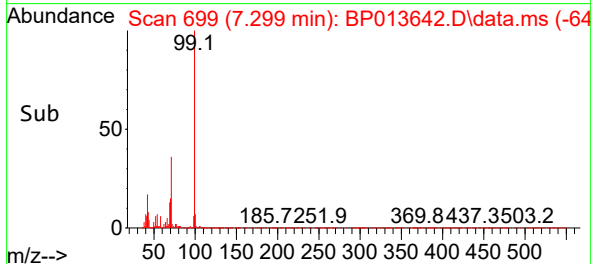
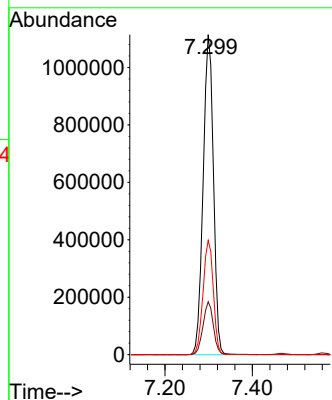
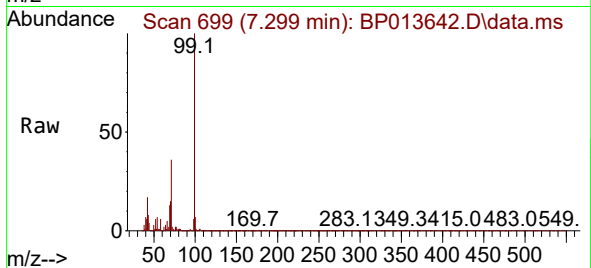


#7  
Phenol-d6  
Concen: 126.521 ng  
RT: 7.299 min Scan# 699  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1827658

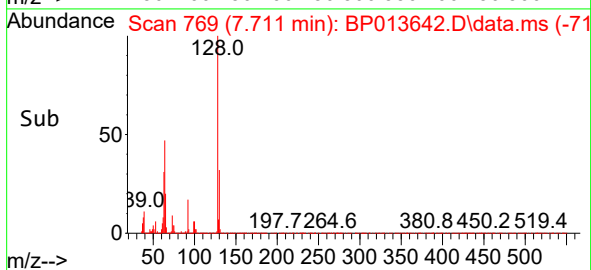
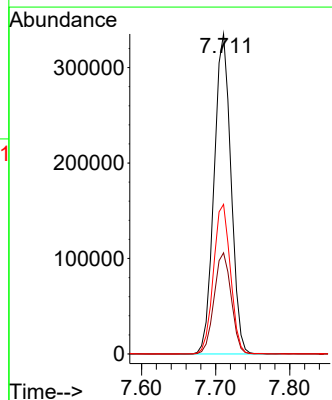
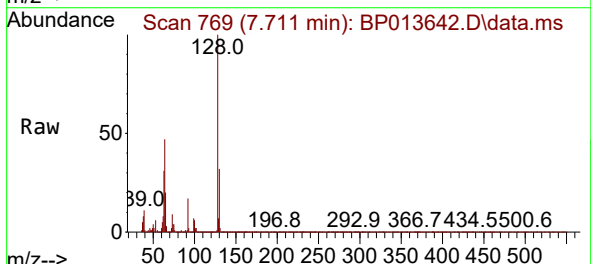
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|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.5  | 13.4  | 20.2  |
| 71  | 35.7  | 29.9  | 44.9  |

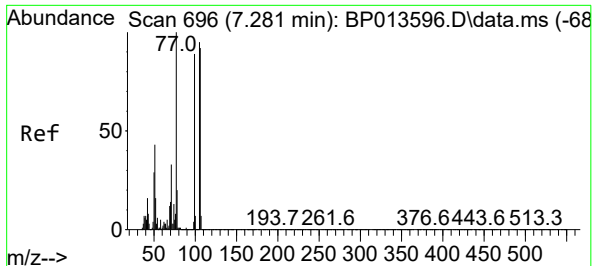


#8  
2-Chlorophenol  
Concen: 46.684 ng  
RT: 7.711 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 128 Resp: 529930

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 31.6  | 11.9  | 51.9  |
| 64  | 46.7  | 26.8  | 66.8  |

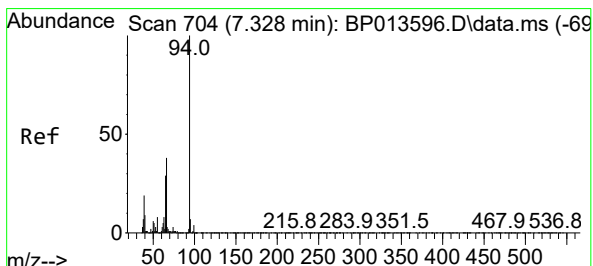
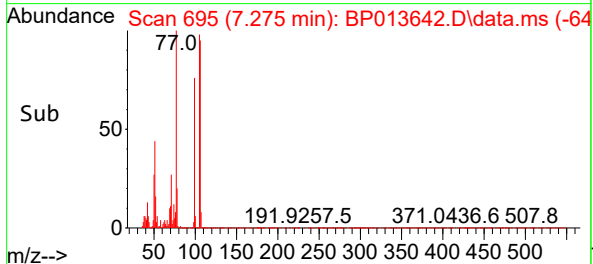
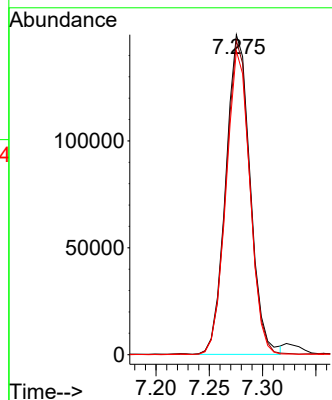
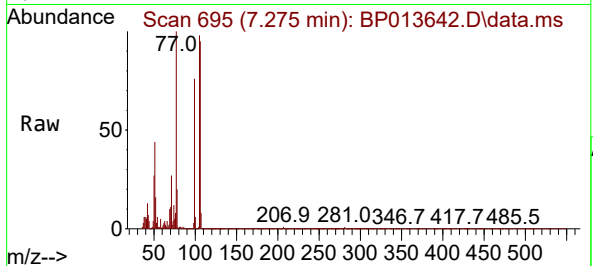




#9  
Benzaldehyde  
Concen: 24.013 ng  
RT: 7.275 min Scan# 696  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

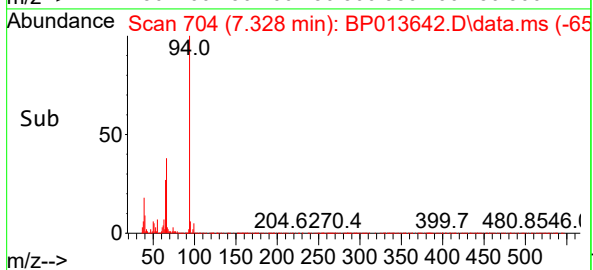
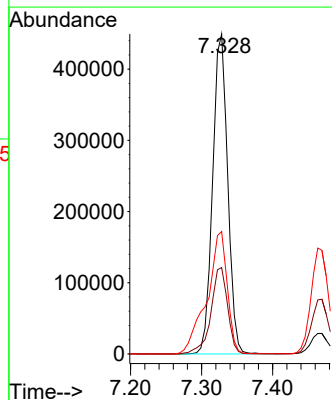
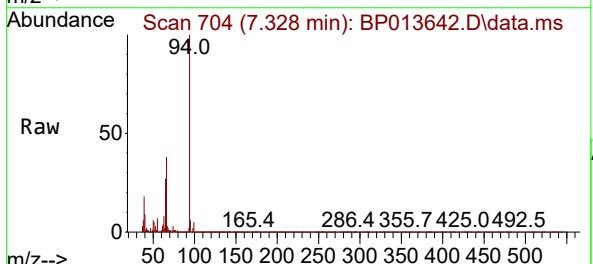
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

Tgt Ion: 77 Resp: 237795  
Ion Ratio Lower Upper  
77 100  
105 98.2 74.8 114.8  
106 95.0 71.5 111.5

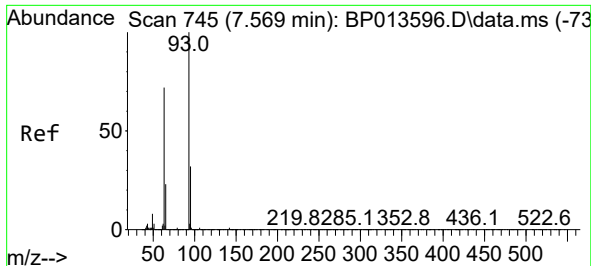


#10  
Phenol  
Concen: 43.620 ng  
RT: 7.328 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 94 Resp: 660055  
Ion Ratio Lower Upper  
94 100  
65 27.0 8.7 48.7  
66 38.3 18.4 58.4



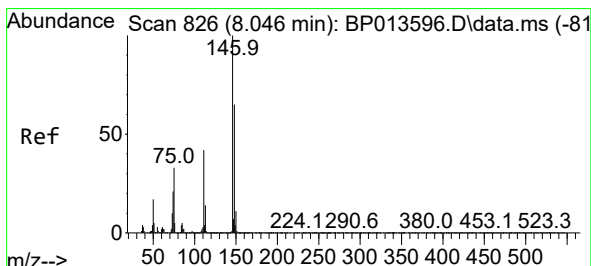
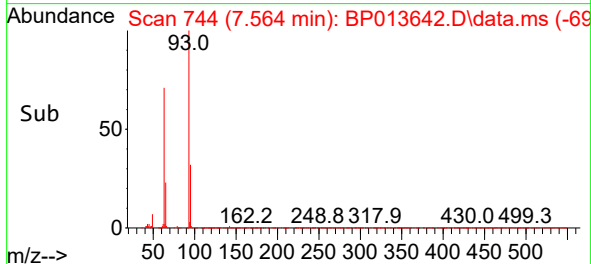
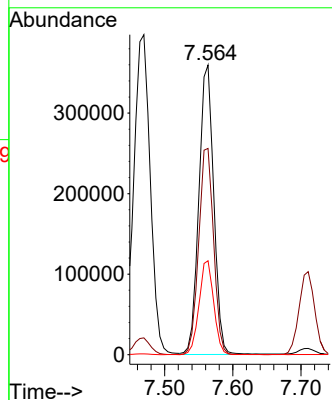
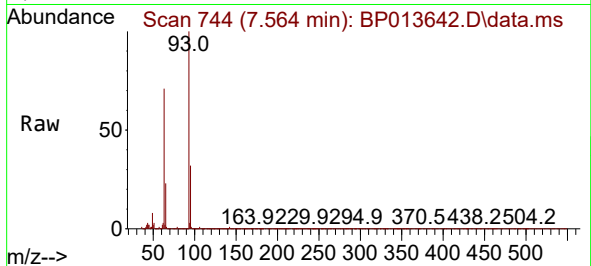




#11  
bis(2-Chloroethyl)ether  
Concen: 43.371 ng  
RT: 7.564 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

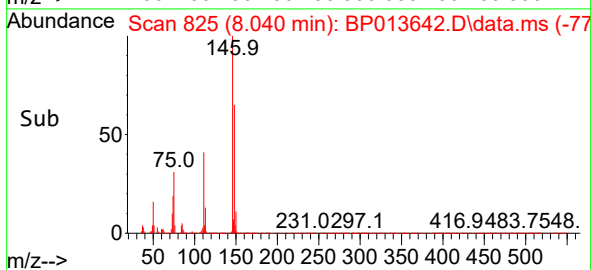
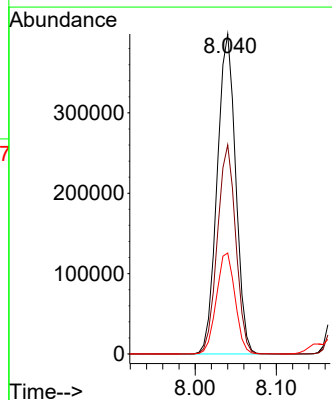
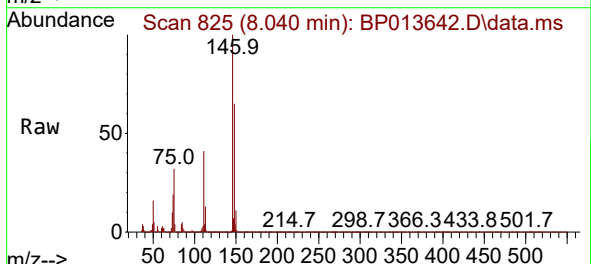
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

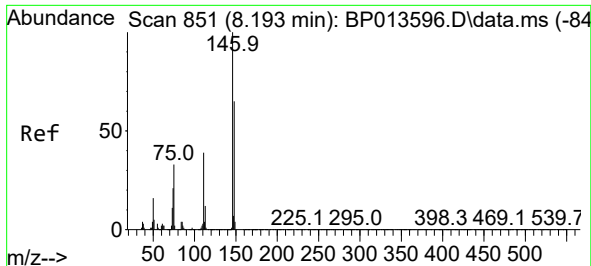
Tgt Ion: 93 Resp: 543477  
Ion Ratio Lower Upper  
93 100  
63 71.2 52.1 92.1  
95 32.4 11.9 51.9



#12  
1,3-Dichlorobenzene  
Concen: 48.153 ng  
RT: 8.040 min Scan# 825  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:146 Resp: 630965  
Ion Ratio Lower Upper  
146 100  
148 65.3 52.2 78.2  
75 31.5 26.6 40.0

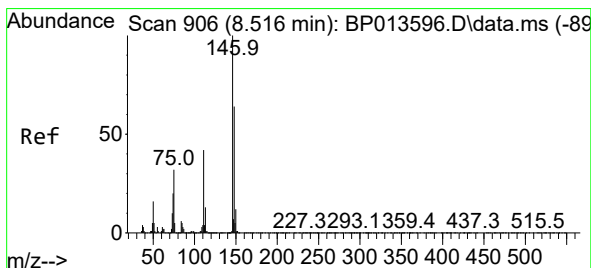
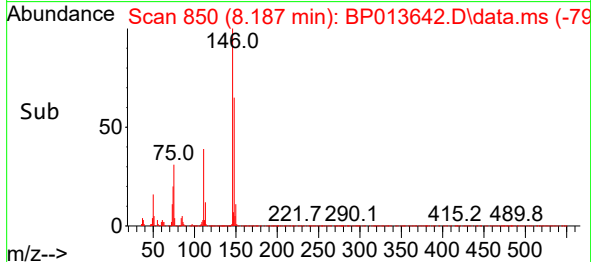
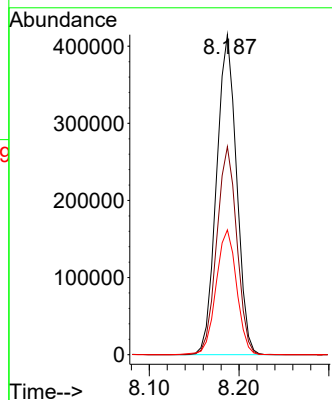
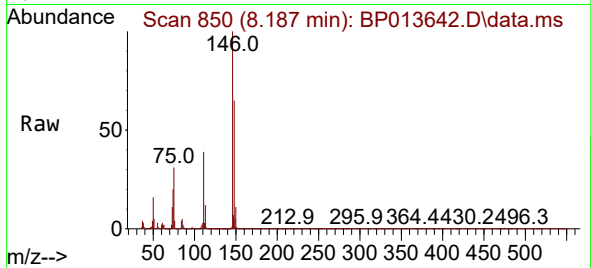




#13  
1,4-Dichlorobenzene  
Concen: 48.372 ng  
RT: 8.187 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

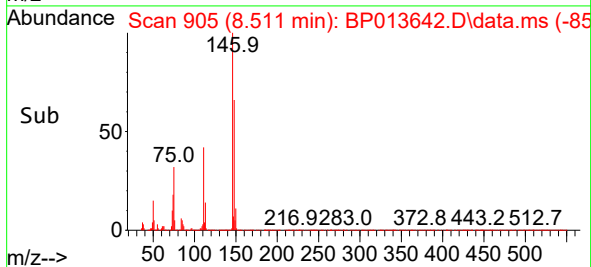
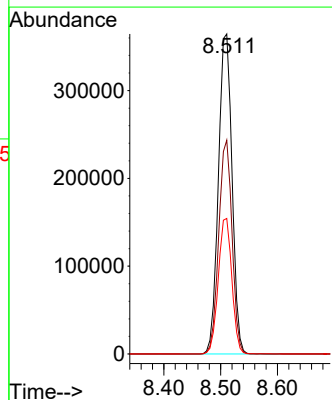
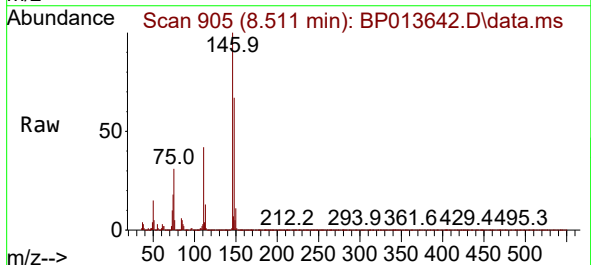
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

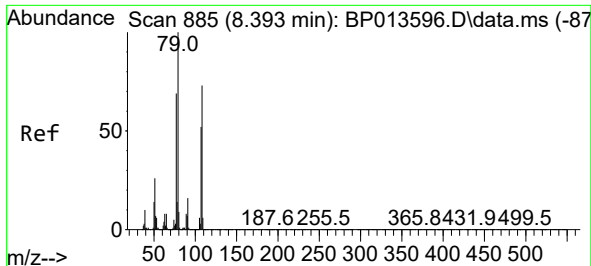
Tgt Ion:146 Resp: 642729  
Ion Ratio Lower Upper  
146 100  
148 65.0 52.0 78.0  
111 39.0 31.5 47.3



#14  
1,2-Dichlorobenzene  
Concen: 48.577 ng  
RT: 8.511 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:146 Resp: 607689  
Ion Ratio Lower Upper  
146 100  
148 66.8 50.8 76.2  
111 42.3 33.3 49.9

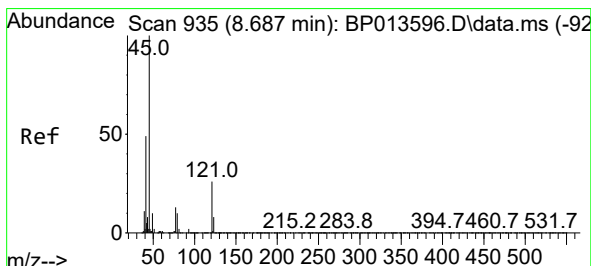
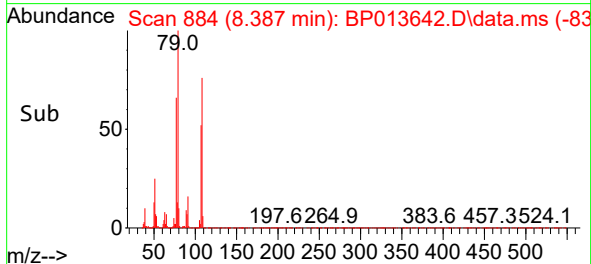
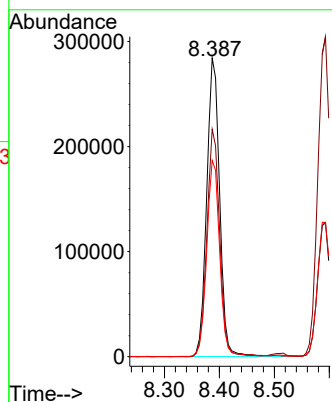
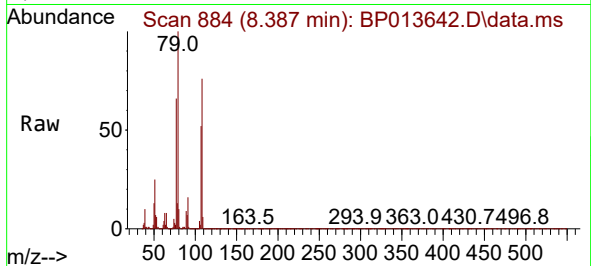




#15  
Benzyl Alcohol  
Concen: 41.313 ng  
RT: 8.387 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

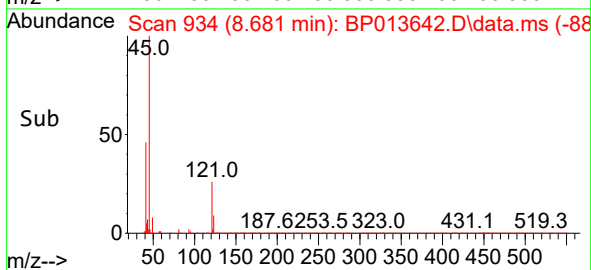
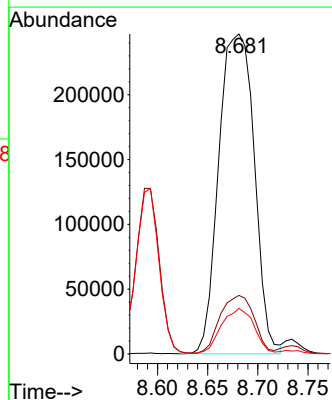
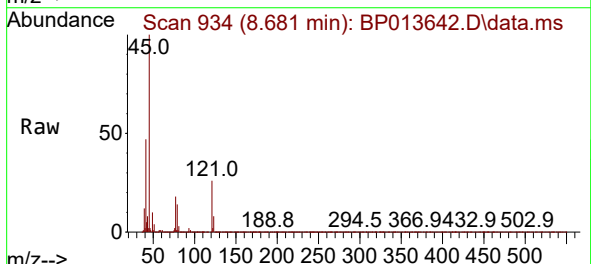
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

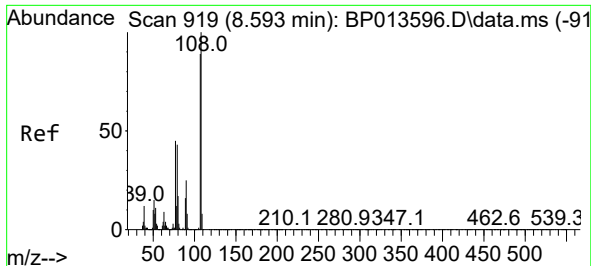
Tgt Ion: 79 Resp: 463407  
Ion Ratio Lower Upper  
79 100  
108 76.1 58.4 87.6  
77 65.7 55.0 82.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.040 ng  
RT: 8.681 min Scan# 934  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 45 Resp: 607763  
Ion Ratio Lower Upper  
45 100  
77 18.3 0.0 37.2  
79 14.3 0.0 33.7

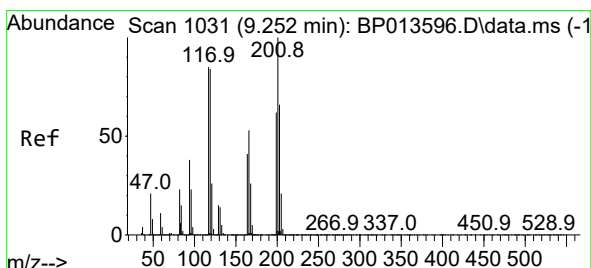
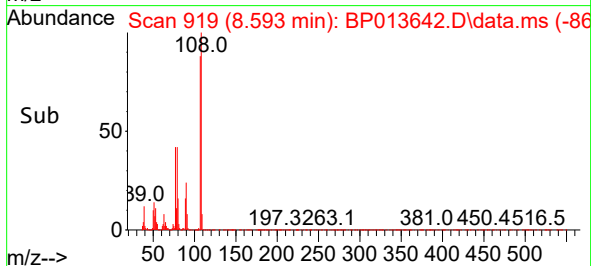
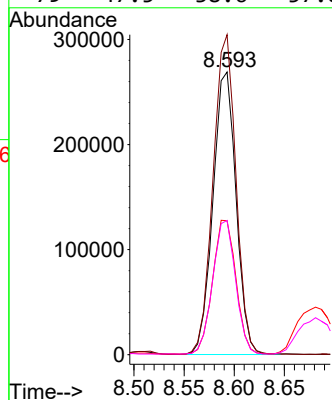
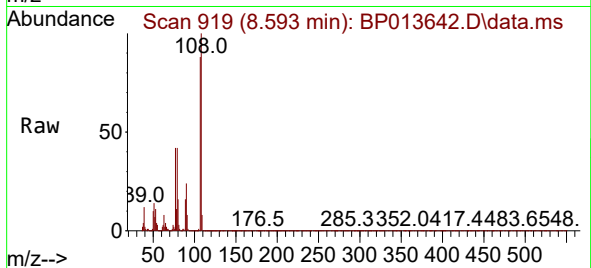




#17  
2-Methylphenol  
Concen: 39.554 ng  
RT: 8.593 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

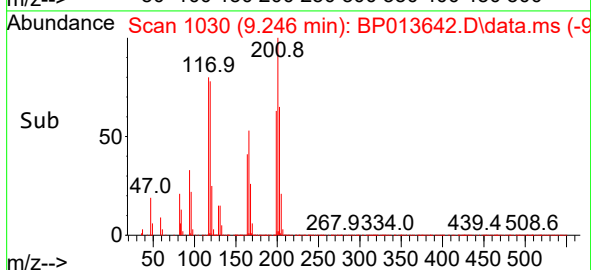
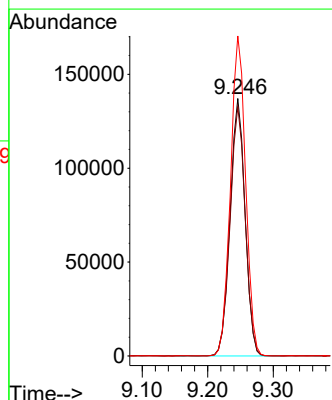
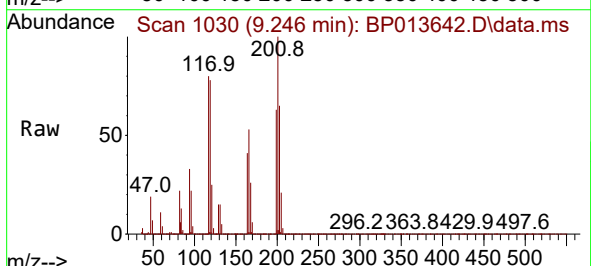
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

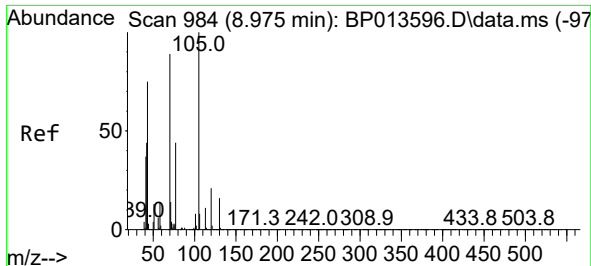
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 431896 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.2 | 89.6  | 134.4  |
| 77       | 47.4  | 40.4  | 60.6   |
| 79       | 47.5  | 38.6  | 57.8   |



#18  
Hexachloroethane  
Concen: 45.927 ng  
RT: 9.246 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 218621 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.9  | 78.6  | 118.0  |
| 201      | 124.3 | 94.0  | 141.0  |

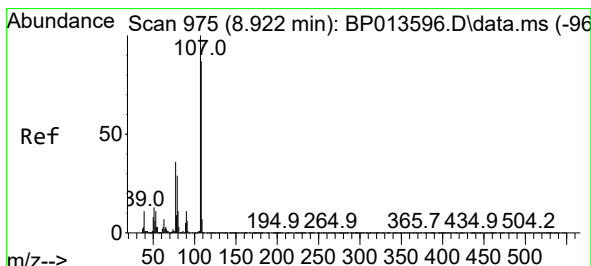
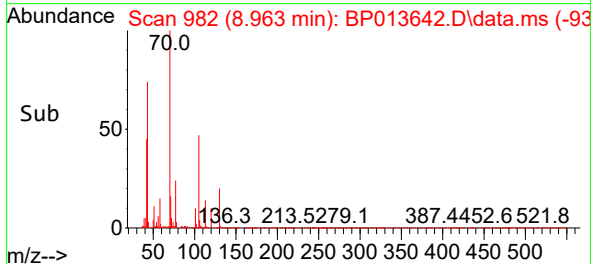
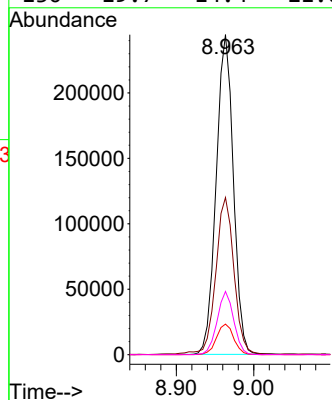
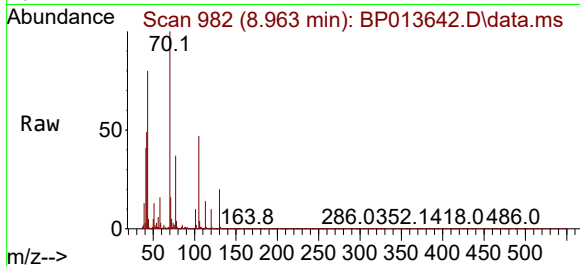




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.116 ng  
RT: 8.963 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

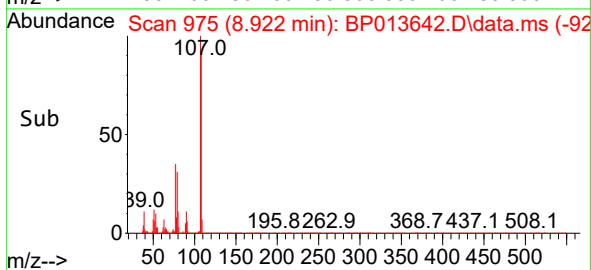
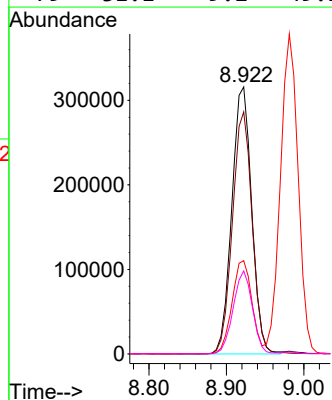
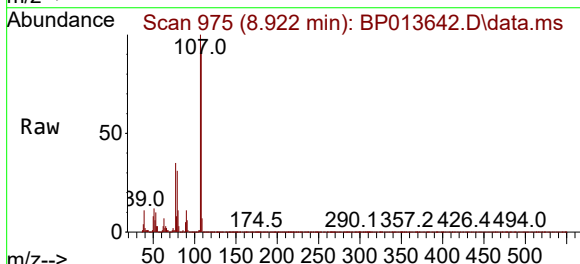
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

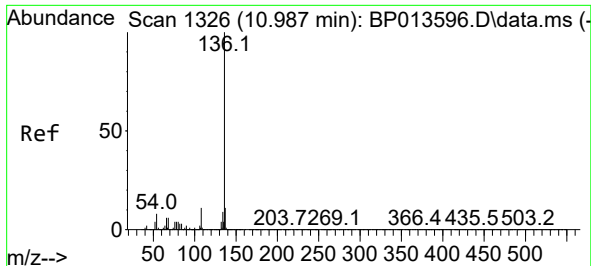
Tgt Ion: 70 Resp: 376604  
Ion Ratio Lower Upper  
70 100  
42 49.1 40.1 60.1  
101 9.5 7.0 10.4  
130 19.7 14.4 21.6



#20  
3+4-Methylphenols  
Concen: 37.640 ng  
RT: 8.922 min Scan# 975  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 107 Resp: 563224  
Ion Ratio Lower Upper  
107 100  
108 90.7 67.4 107.4  
77 34.9 15.9 55.9  
79 31.1 9.2 49.2

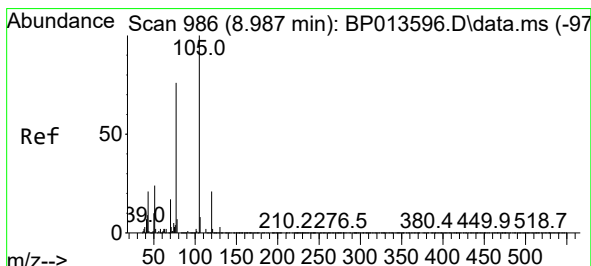
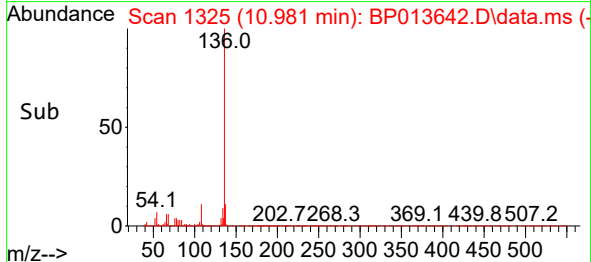
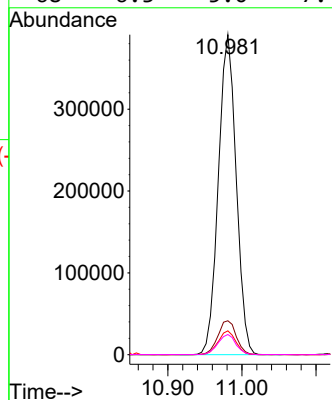
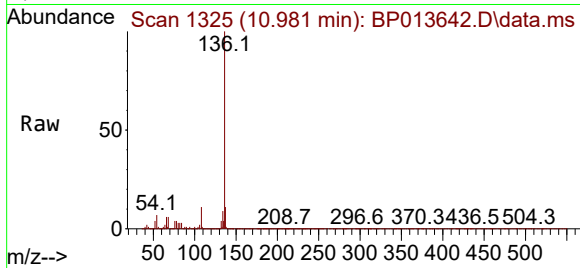




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.981 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

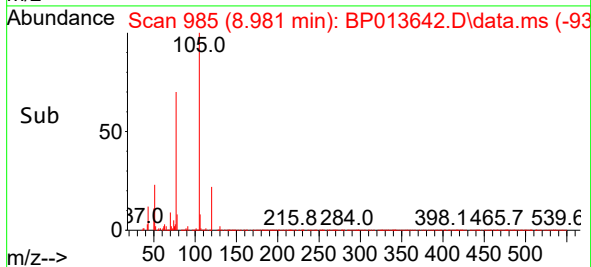
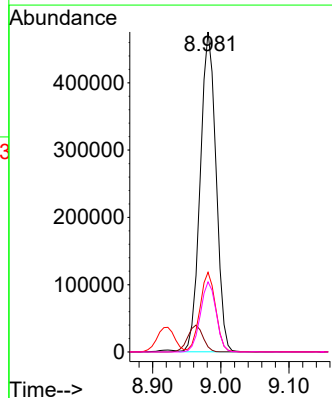
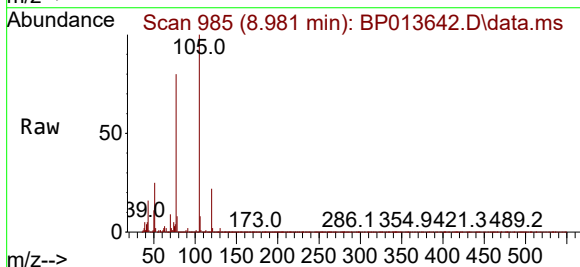
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

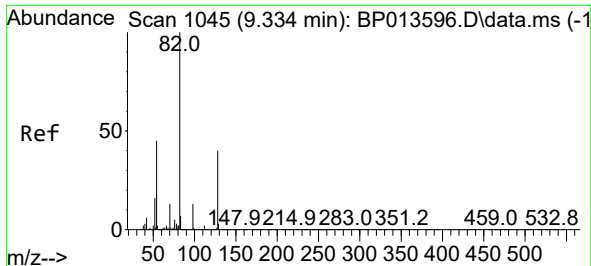
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 652845 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.6   | 13.0   |
| 54       | 7.5   | 6.1   | 9.1    |
| 68       | 6.3   | 5.0   | 7.4    |



#22  
Acetophenone  
Concen: 46.402 ng  
RT: 8.981 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 764637 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 1.6   | 2.5   | 3.7#   |
| 51       | 24.9  | 20.6  | 31.0   |
| 120      | 21.9  | 17.0  | 25.6   |

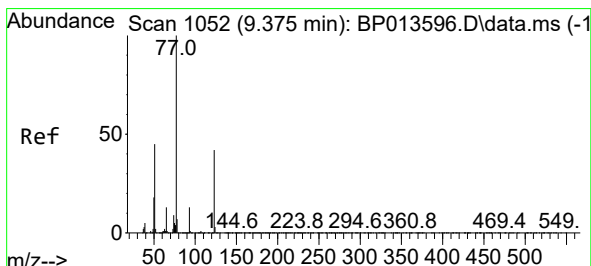
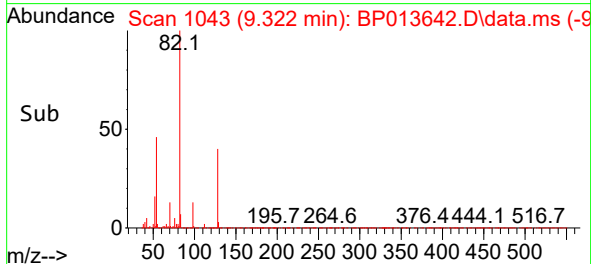
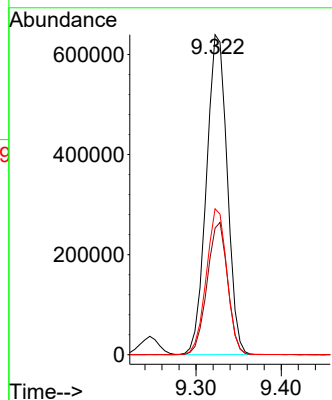
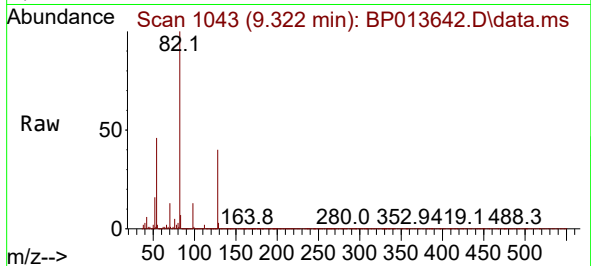




#23  
Nitrobenzene-d5  
Concen: 91.214 ng  
RT: 9.322 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

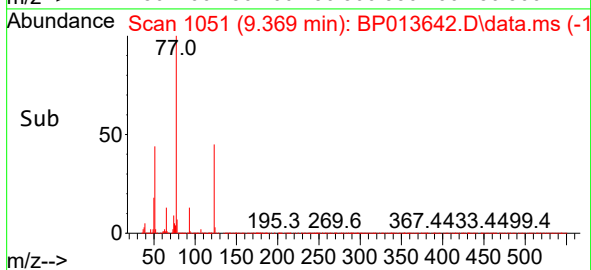
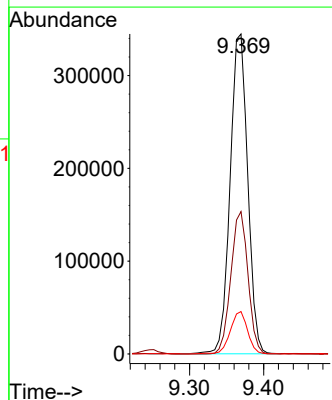
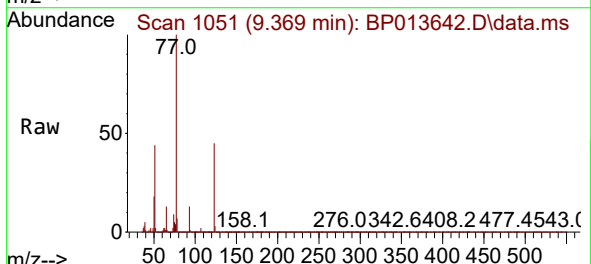
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

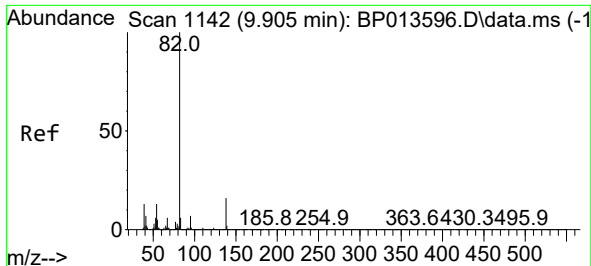
Tgt Ion: 82 Resp: 1083740  
Ion Ratio Lower Upper  
82 100  
128 39.6 31.8 47.8  
54 45.6 36.2 54.2



#24  
Nitrobenzene  
Concen: 45.600 ng  
RT: 9.369 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 77 Resp: 567016  
Ion Ratio Lower Upper  
77 100  
123 44.5 33.9 50.9  
65 13.3 10.2 15.4

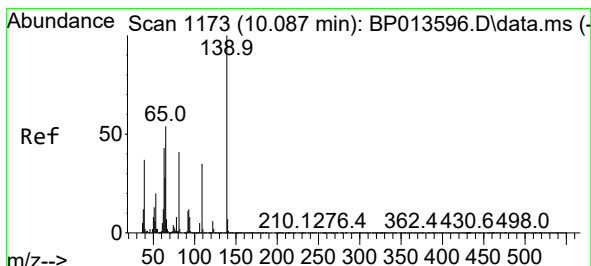
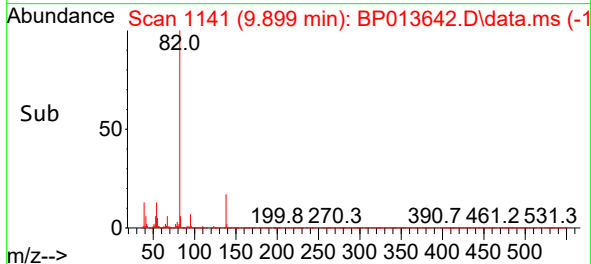
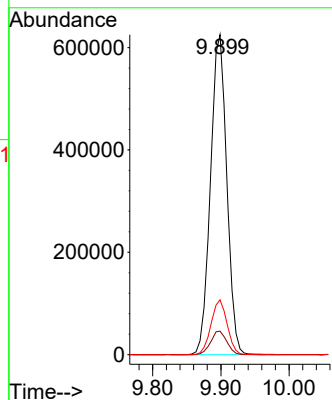
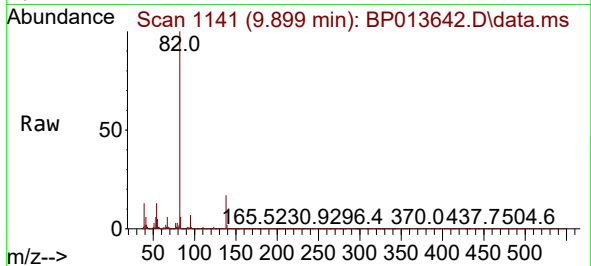




#25  
Isophorone  
Concen: 39.946 ng  
RT: 9.899 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

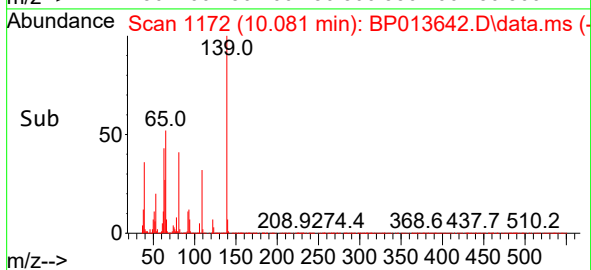
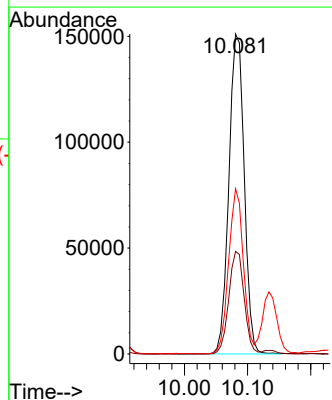
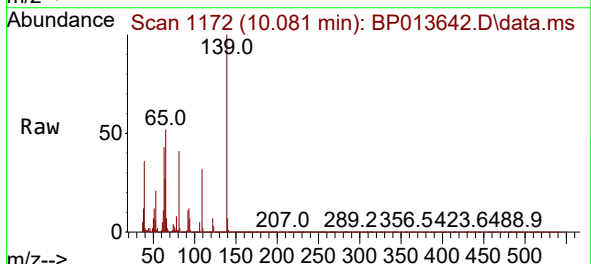
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

Tgt Ion: 82 Resp: 1039623  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.9 8.9  
138 17.1 13.0 19.6

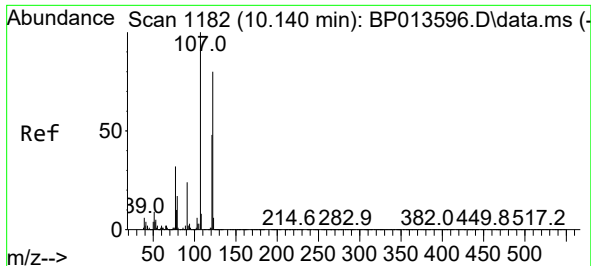


#26  
2-Nitrophenol  
Concen: 47.690 ng  
RT: 10.081 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 139 Resp: 254738  
Ion Ratio Lower Upper  
139 100  
109 32.0 27.8 41.8  
65 51.7 43.1 64.7



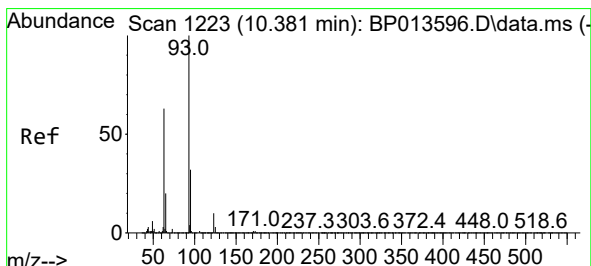
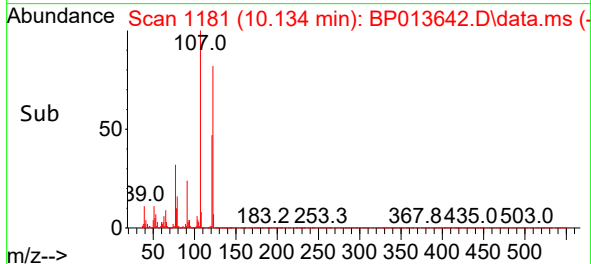
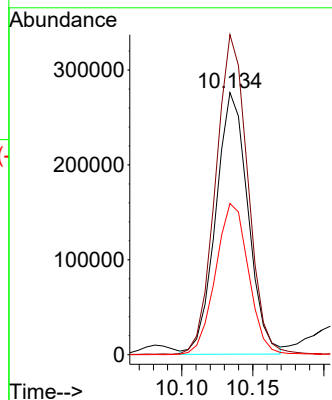
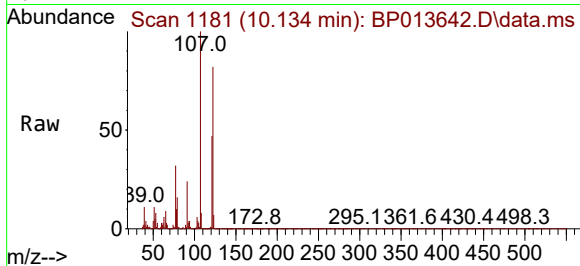




#27  
2,4-Dimethylphenol  
Concen: 43.992 ng  
RT: 10.134 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

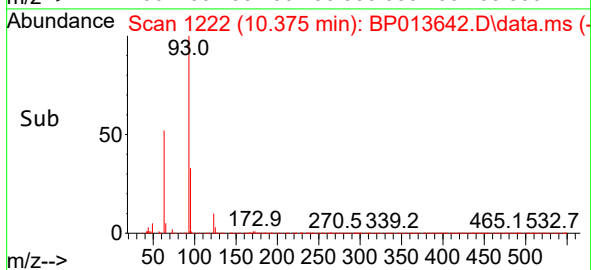
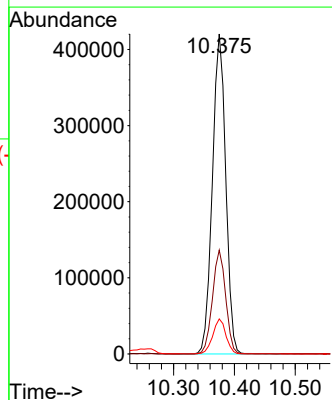
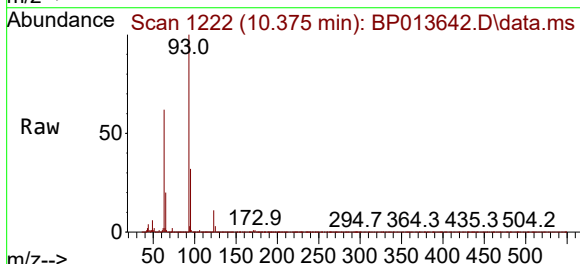
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

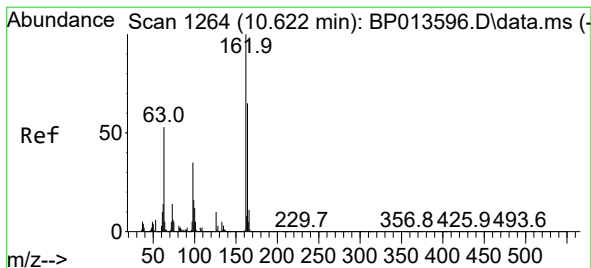
Tgt Ion:122 Resp: 434990  
Ion Ratio Lower Upper  
122 100  
107 122.1 99.2 148.8  
121 57.7 48.0 72.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.201 ng  
RT: 10.375 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 93 Resp: 639702  
Ion Ratio Lower Upper  
93 100  
95 32.4 25.5 38.3  
123 11.0 8.1 12.1

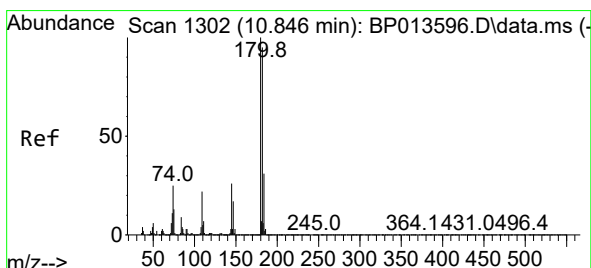
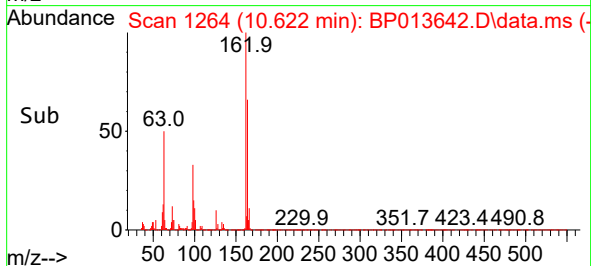
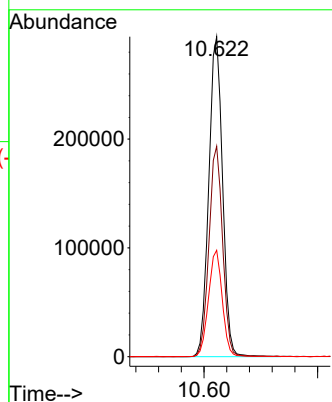
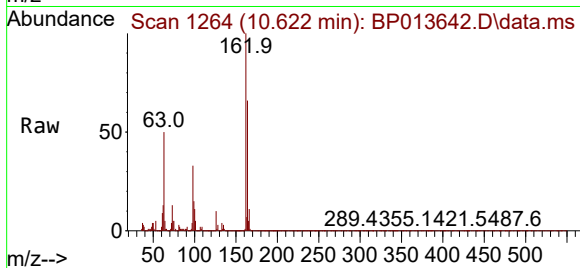




#29  
2,4-Dichlorophenol  
Concen: 44.311 ng  
RT: 10.622 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

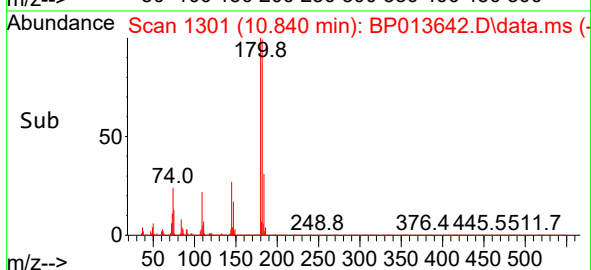
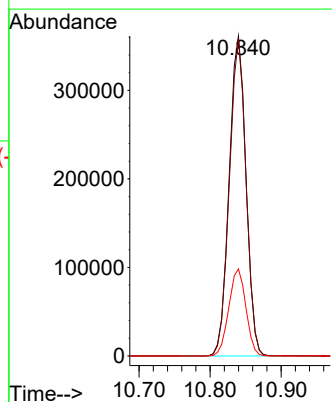
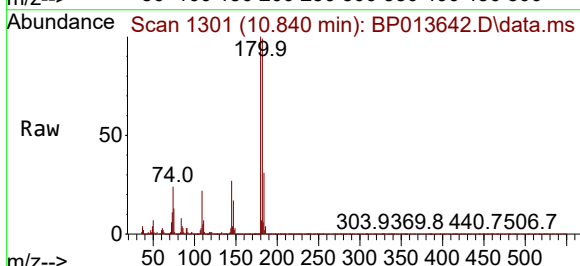
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

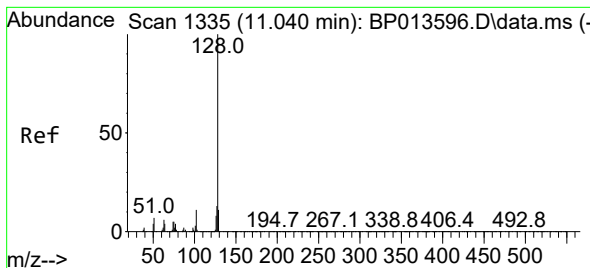
Tgt Ion:162 Resp: 493071  
Ion Ratio Lower Upper  
162 100  
164 65.8 45.3 85.3  
98 33.3 14.9 54.9



#30  
1,2,4-Trichlorobenzene  
Concen: 48.311 ng  
RT: 10.840 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:180 Resp: 596011  
Ion Ratio Lower Upper  
180 100  
182 99.2 75.9 113.9  
145 27.2 21.1 31.7

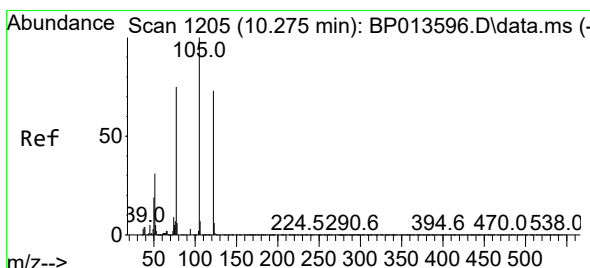
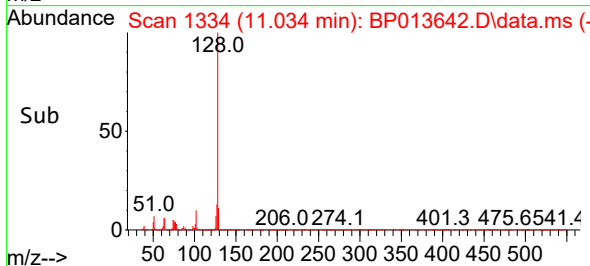
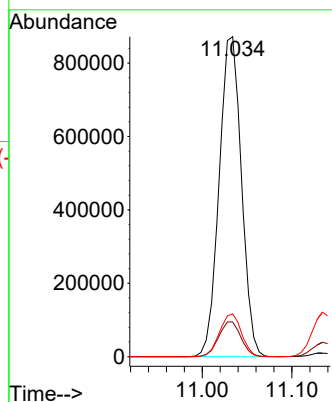
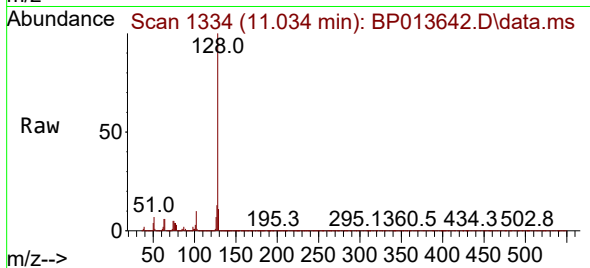




#31  
Naphthalene  
Concen: 45.339 ng  
RT: 11.034 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

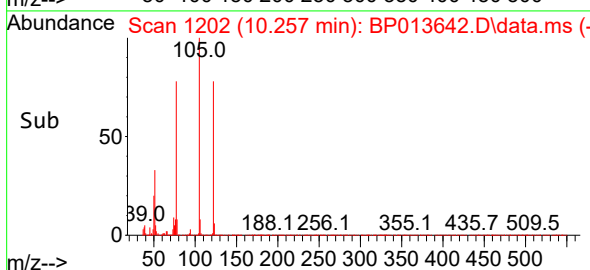
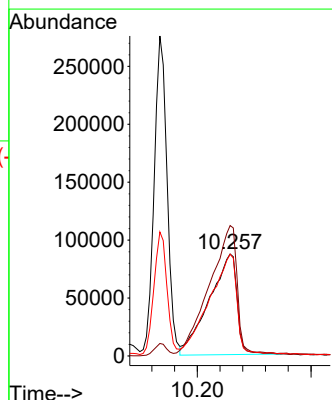
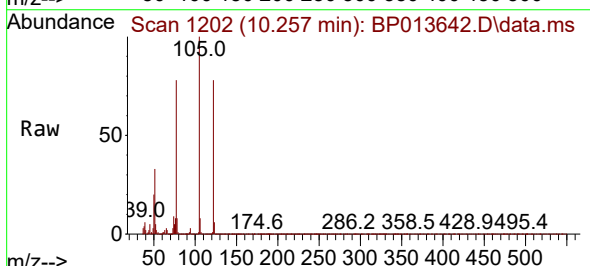
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

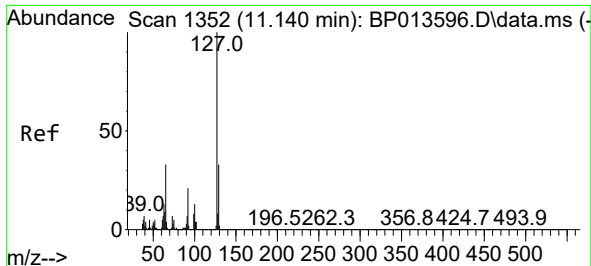
Tgt Ion:128 Resp: 1504080  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 13.4 10.4 15.6



#32  
Benzoic acid  
Concen: 41.065 ng  
RT: 10.257 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:122 Resp: 296004  
Ion Ratio Lower Upper  
122 100  
105 127.9 110.7 150.7  
77 99.7 81.1 121.1

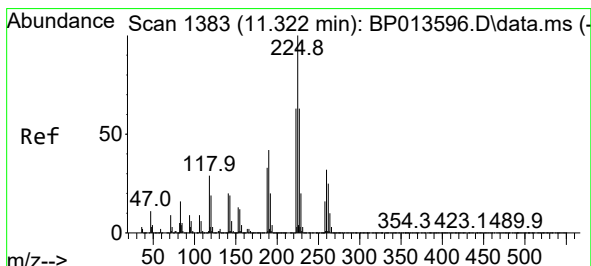
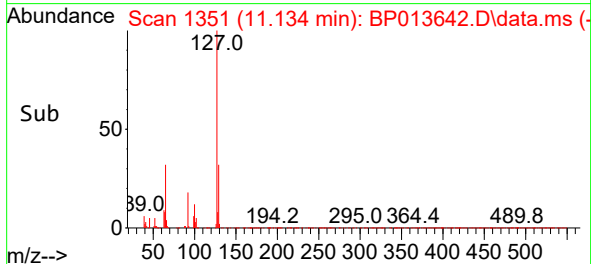
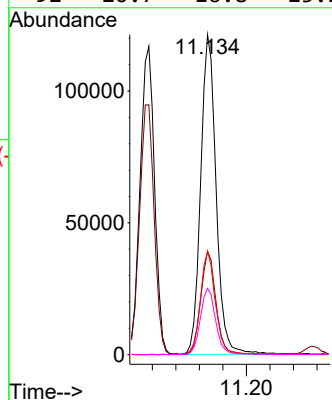
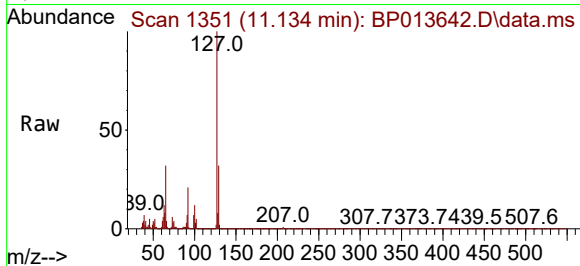




#33  
4-Chloroaniline  
Concen: 15.317 ng  
RT: 11.134 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

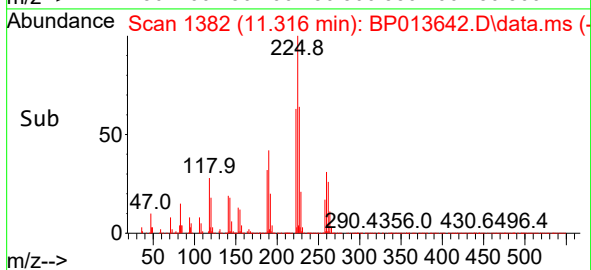
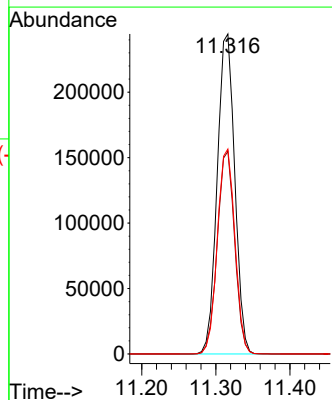
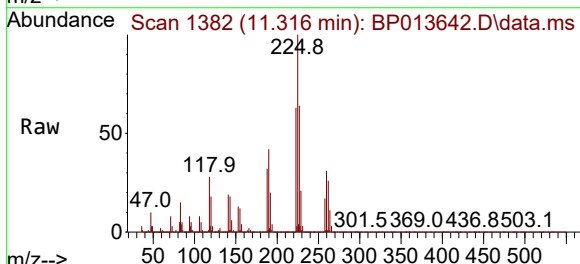
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

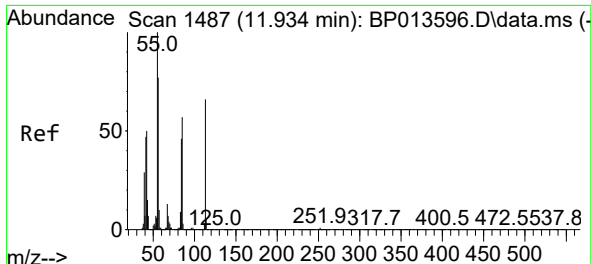
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 220601 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 26.2  | 39.4   |
| 65       | 32.2  | 26.3  | 39.5   |
| 92       | 20.7  | 16.8  | 25.2   |



#34  
Hexachlorobutadiene  
Concen: 48.384 ng  
RT: 11.316 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 401338 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.3  | 50.7  | 76.1   |
| 227      | 64.1  | 50.5  | 75.7   |

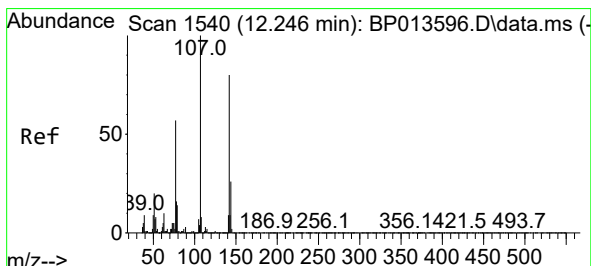
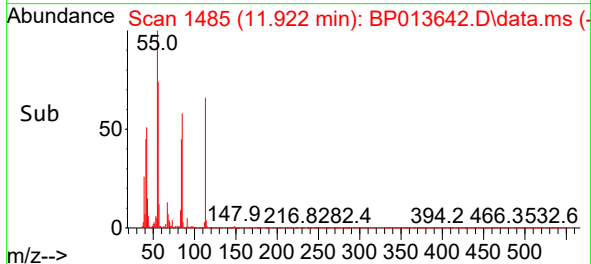
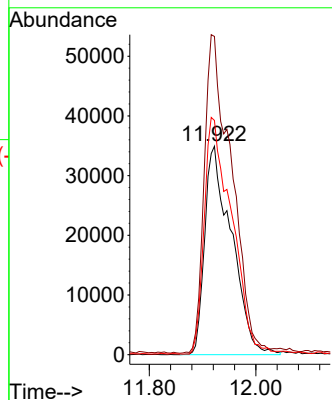
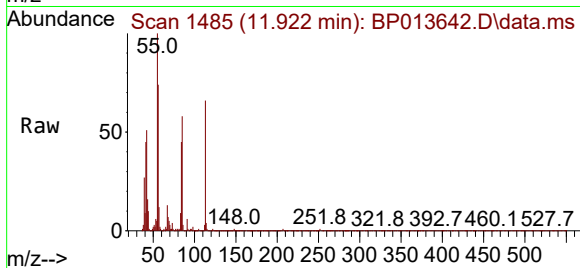




#35  
Caprolactam  
Concen: 38.100 ng  
RT: 11.922 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

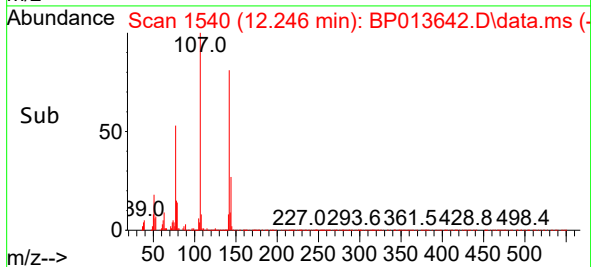
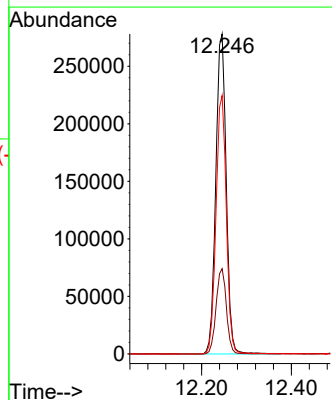
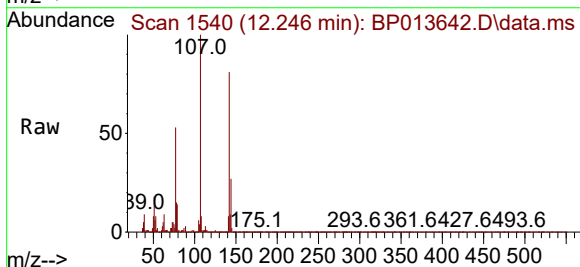
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

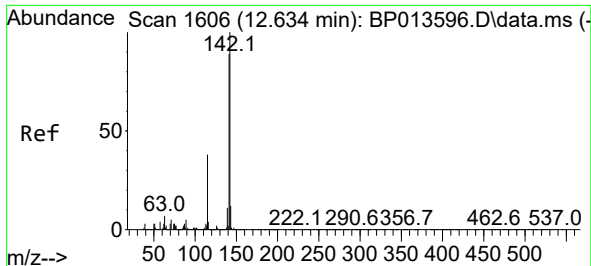
Tgt Ion:113 Resp: 121559  
Ion Ratio Lower Upper  
113 100  
55 152.6 131.6 171.6  
56 112.4 97.2 137.2



#36  
4-Chloro-3-methylphenol  
Concen: 38.079 ng  
RT: 12.246 min Scan# 1540  
Delta R.T. 0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:107 Resp: 449190  
Ion Ratio Lower Upper  
107 100  
144 26.6 20.9 31.3  
142 80.8 64.2 96.4

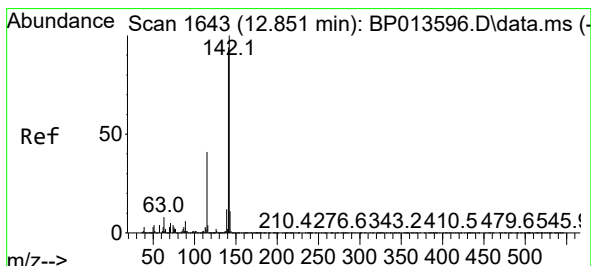
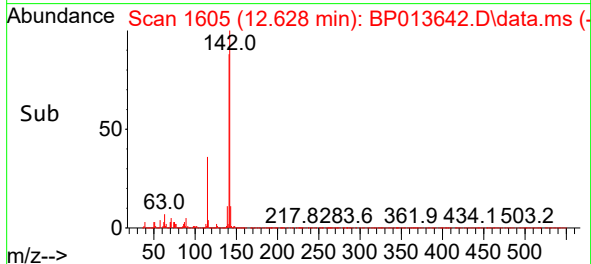
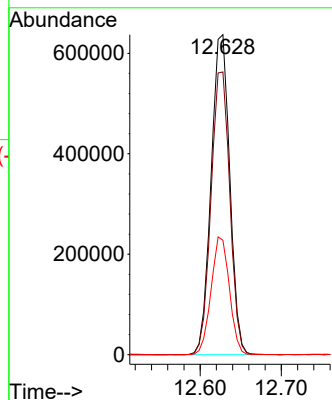
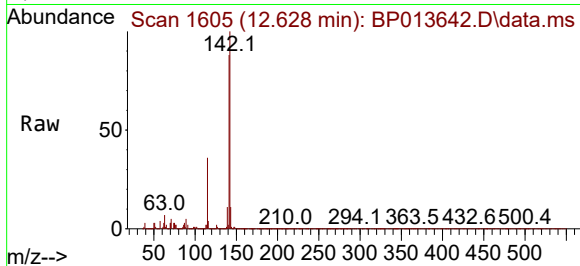




#37  
2-Methylnaphthalene  
Concen: 40.073 ng  
RT: 12.628 min Scan# 1605  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

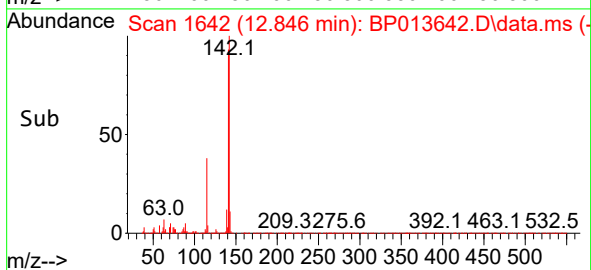
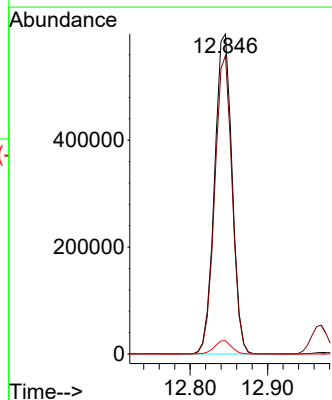
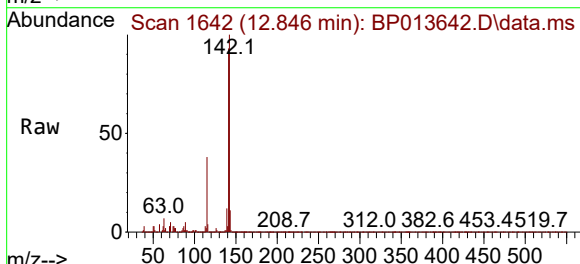
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

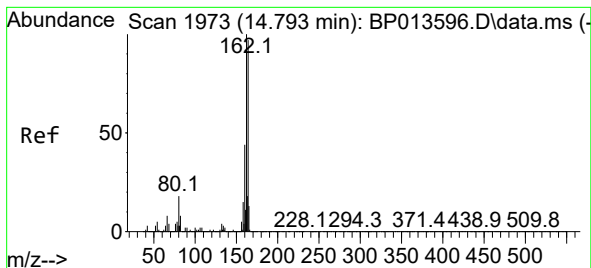
Tgt Ion:142 Resp: 1015979  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.8 106.2  
115 35.8 30.6 46.0



#38  
1-Methylnaphthalene  
Concen: 39.619 ng  
RT: 12.846 min Scan# 1642  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:142 Resp: 940151  
Ion Ratio Lower Upper  
142 100  
141 93.3 75.5 113.3  
116 4.1 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.787 min Scan# 1973

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

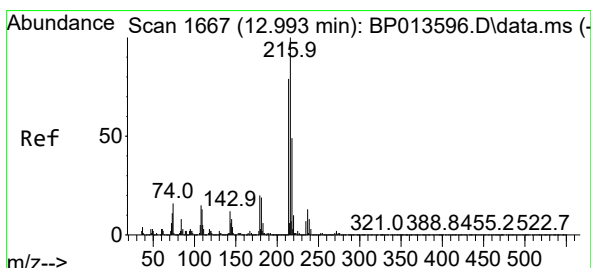
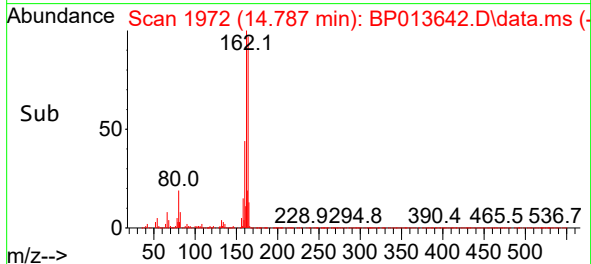
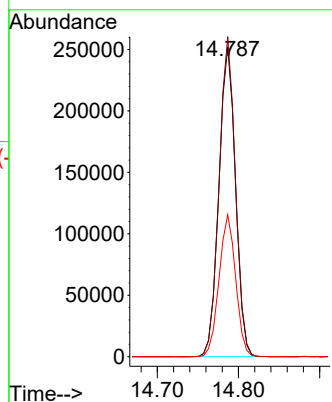
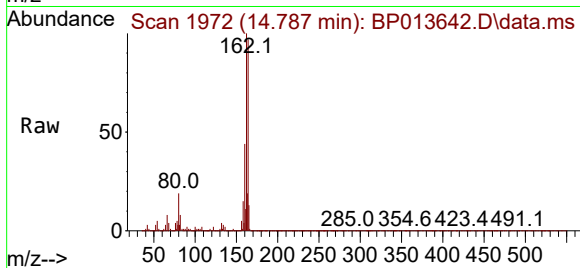
Tgt Ion:164 Resp: 358164

Ion Ratio Lower Upper

164 100

162 103.2 82.3 123.5

160 45.8 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.188 ng

RT: 12.987 min Scan# 1666

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Tgt Ion:216 Resp: 651195

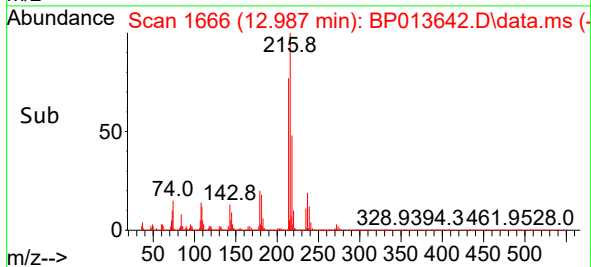
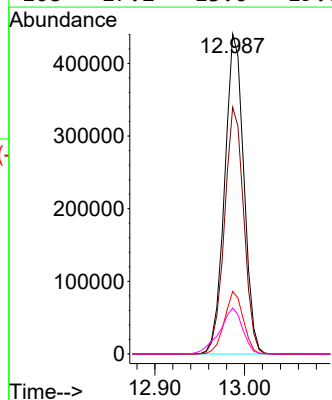
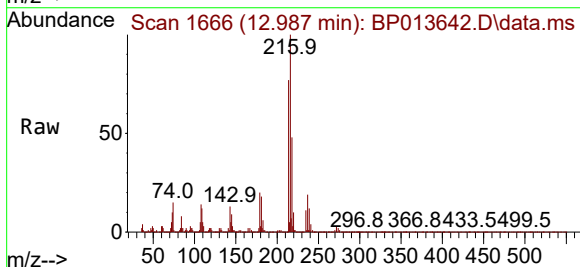
Ion Ratio Lower Upper

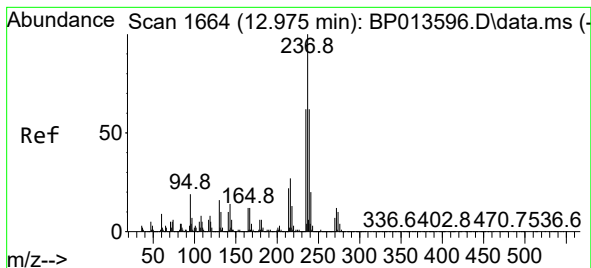
216 100

214 77.7 62.4 93.6

179 19.2 15.4 23.0

108 17.2 13.0 19.6





#41

Hexachlorocyclopentadiene

Concen: 124.579 ng

RT: 12.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

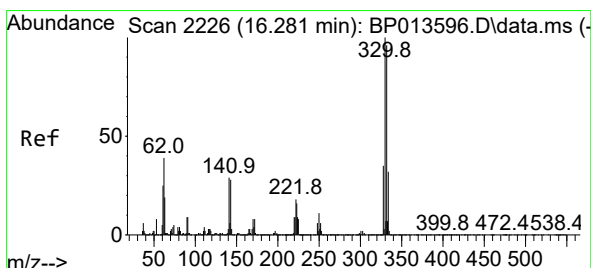
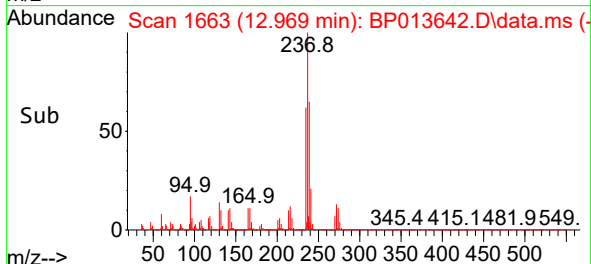
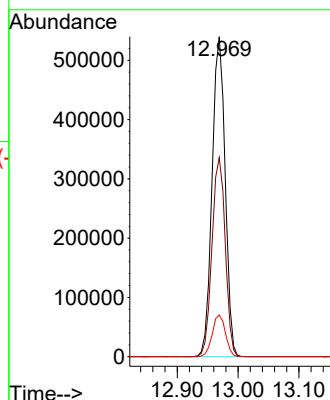
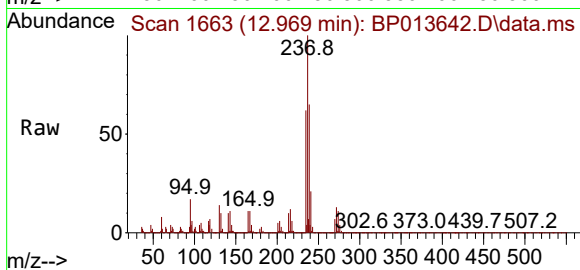
Tgt Ion:237 Resp: 803134

Ion Ratio Lower Upper

237 100

235 62.2 41.9 81.9

272 13.0 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 128.542 ng

RT: 16.275 min Scan# 2225

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

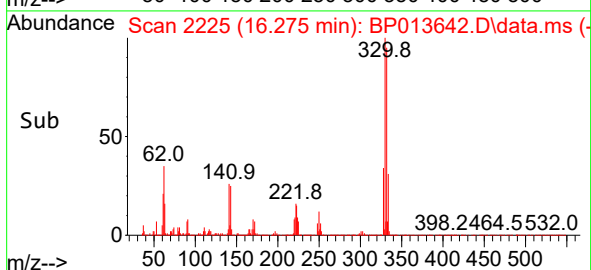
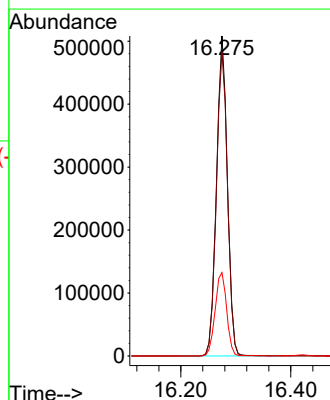
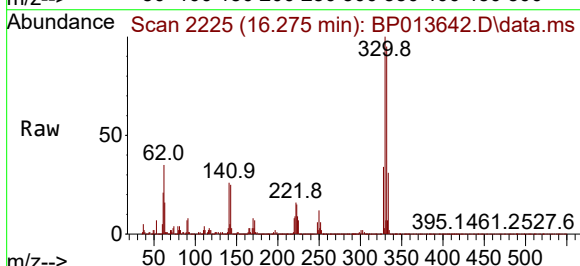
Tgt Ion:330 Resp: 700940

Ion Ratio Lower Upper

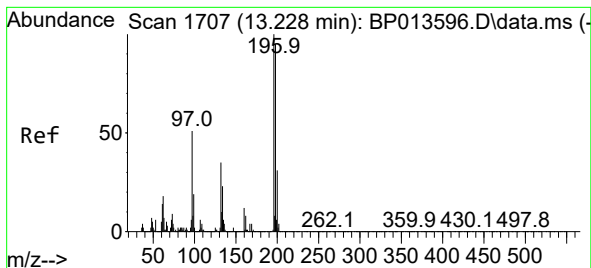
330 100

332 96.9 77.0 115.4

141 27.6 23.3 34.9







#43

2,4,6-Trichlorophenol

Concen: 47.457 ng

RT: 13.222 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

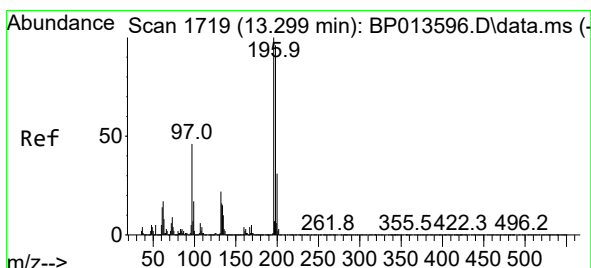
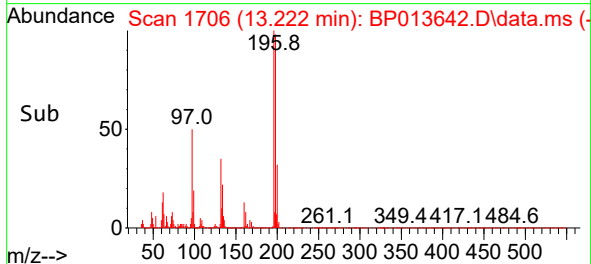
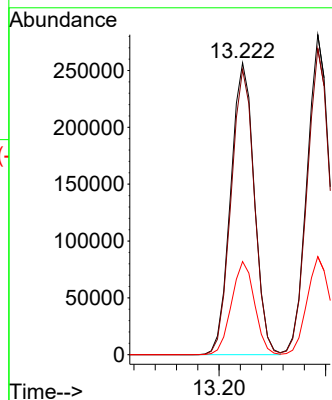
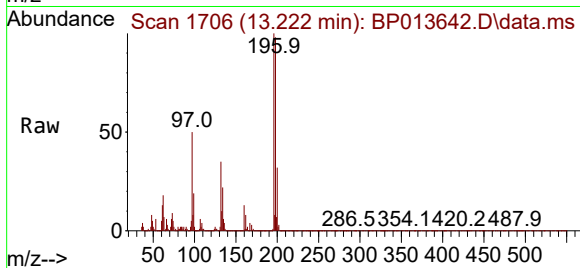
Tgt Ion:196 Resp: 396225

Ion Ratio Lower Upper

196 100

198 97.7 76.2 114.4

200 31.9 24.8 37.2



#44

2,4,5-Trichlorophenol

Concen: 42.907 ng

RT: 13.293 min Scan# 1718

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Tgt Ion:196 Resp: 418946

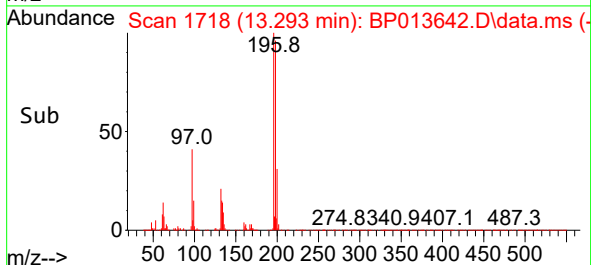
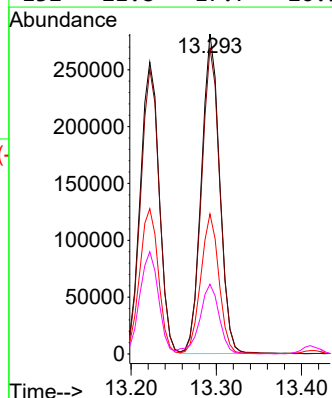
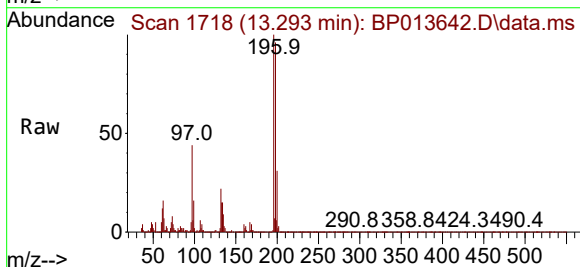
Ion Ratio Lower Upper

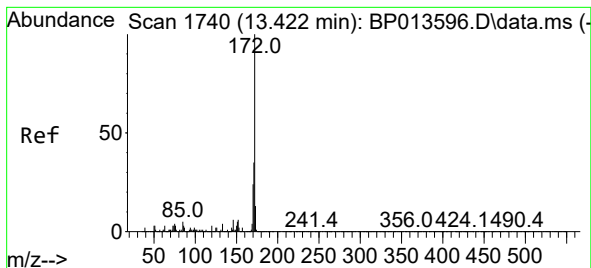
196 100

198 95.6 76.9 115.3

97 43.7 36.8 55.2

132 21.8 17.7 26.5





#45

2-Fluorobiphenyl

Concen: 99.905 ng

RT: 13.410 min Scan# 1738

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

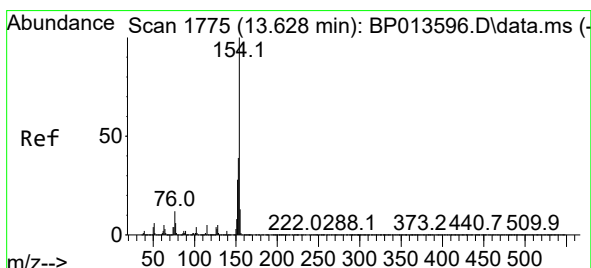
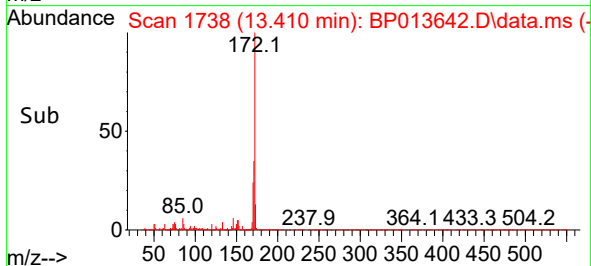
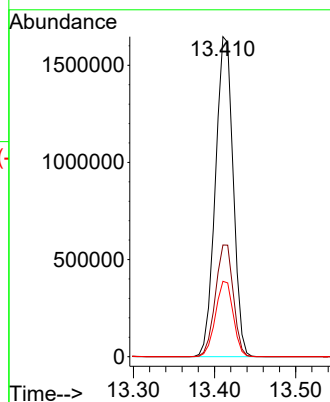
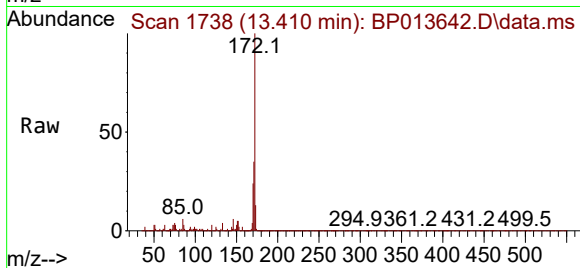
Tgt Ion:172 Resp: 2505402

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.5 19.1 28.7



#46

1,1'-Biphenyl

Concen: 49.387 ng

RT: 13.622 min Scan# 1774

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

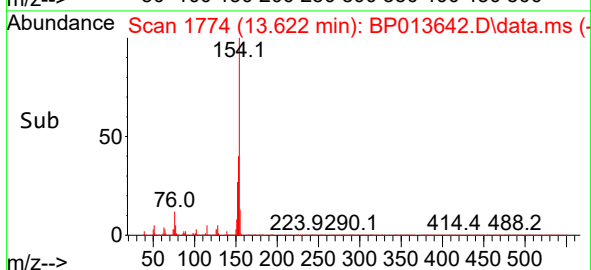
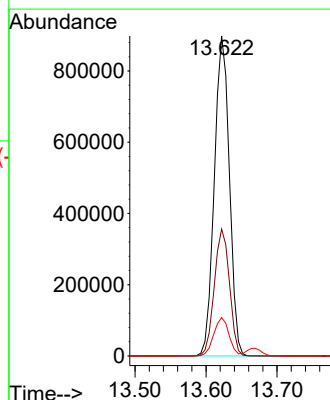
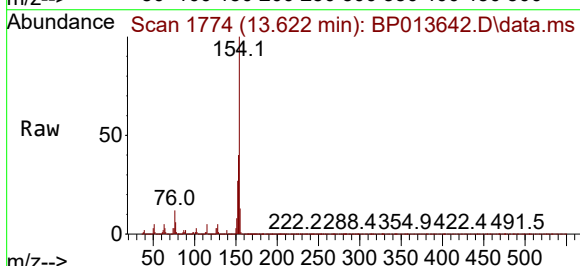
Tgt Ion:154 Resp: 1318134

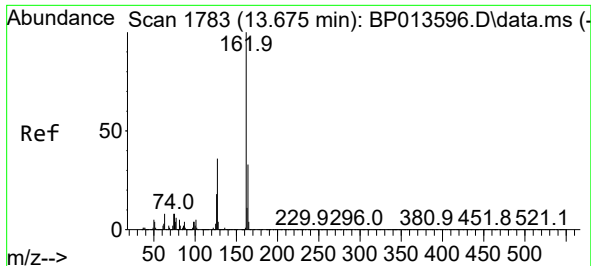
Ion Ratio Lower Upper

154 100

153 39.7 18.9 58.9

76 12.0 0.0 32.1

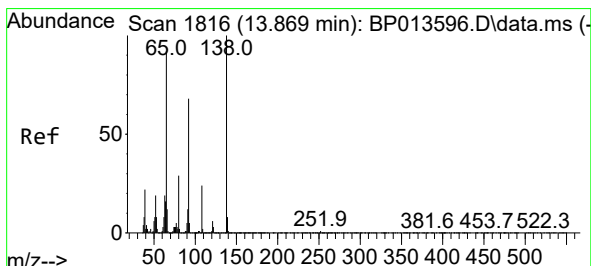
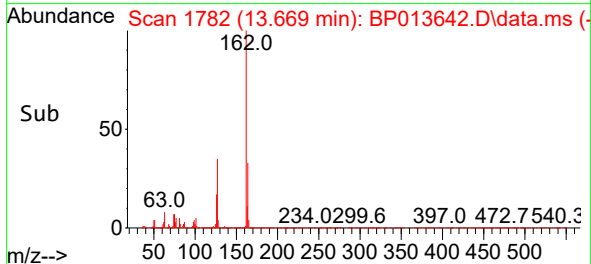
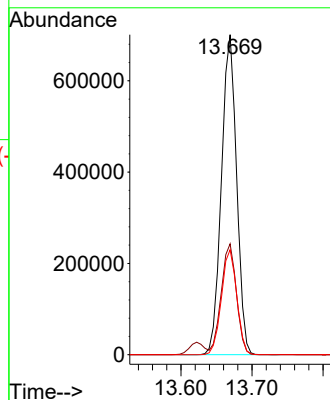
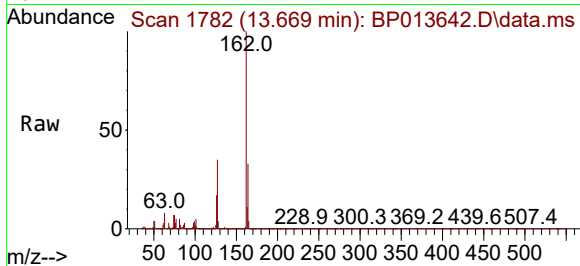




#47  
2-Chloronaphthalene  
Concen: 50.792 ng  
RT: 13.669 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

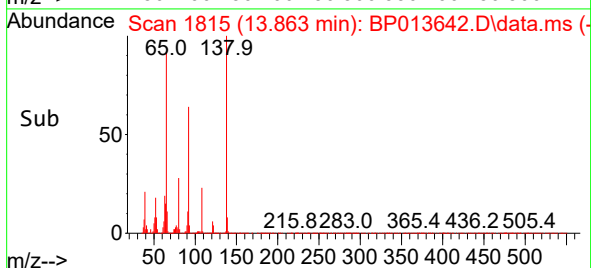
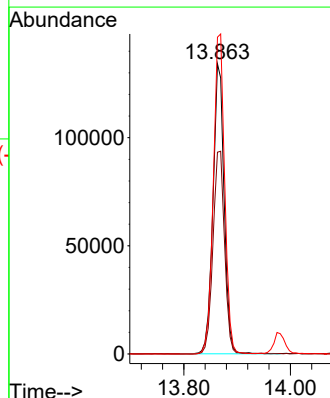
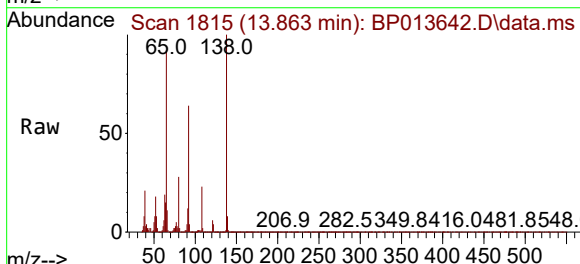
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

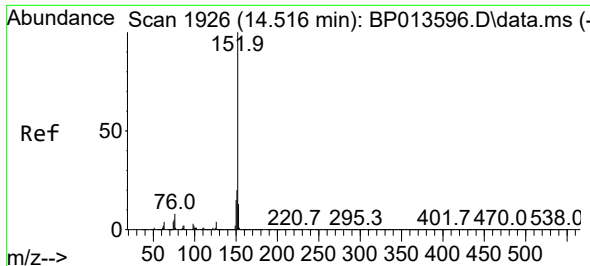
Tgt Ion:162 Resp: 1034542  
Ion Ratio Lower Upper  
162 100  
127 34.7 29.0 43.6  
164 32.8 26.3 39.5



#48  
2-Nitroaniline  
Concen: 40.678 ng  
RT: 13.863 min Scan# 1815  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion: 65 Resp: 195588  
Ion Ratio Lower Upper  
65 100  
92 69.6 59.5 89.3  
138 109.2 87.1 130.7

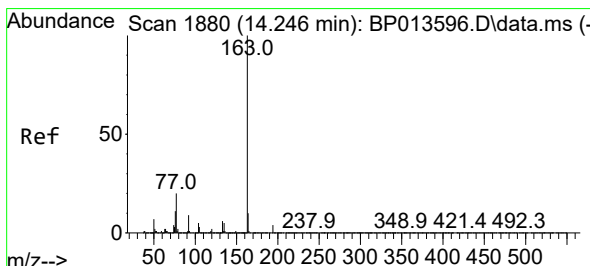
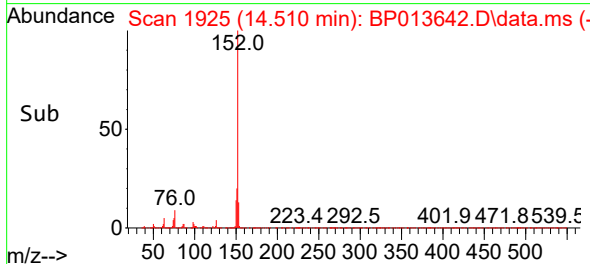
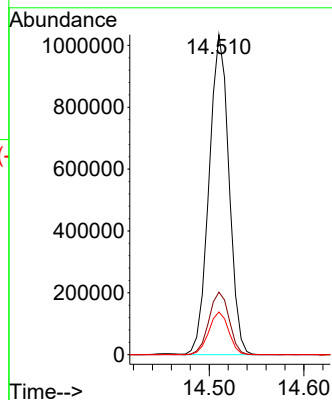
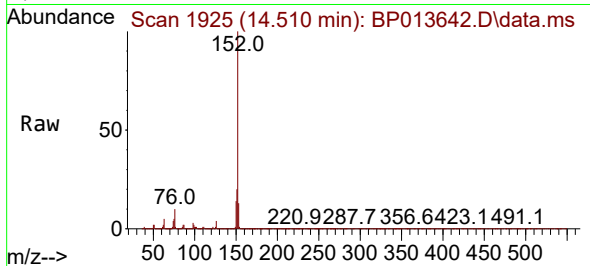




#49  
Acenaphthylene  
Concen: 44.916 ng  
RT: 14.510 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

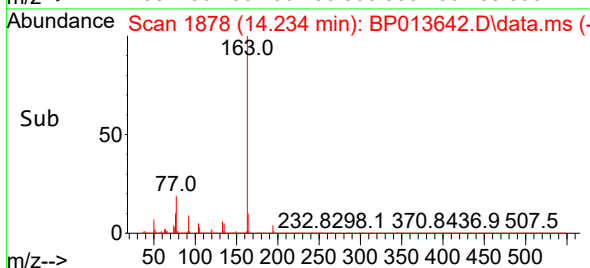
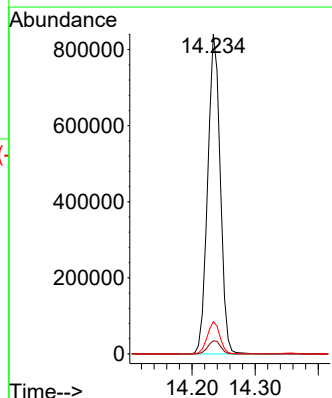
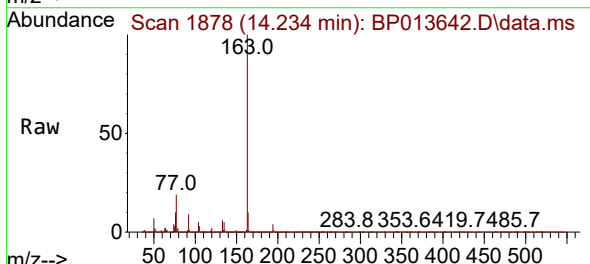
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

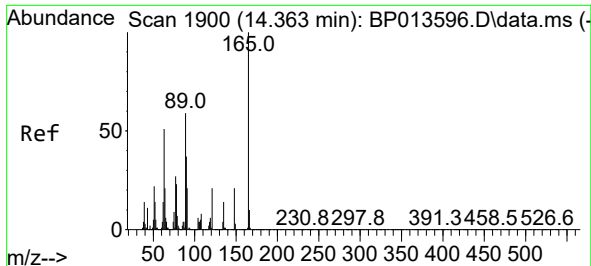
Tgt Ion:152 Resp: 1508978  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.0 24.0  
153 13.4 10.6 16.0



#50  
Dimethylphthalate  
Concen: 41.684 ng  
RT: 14.234 min Scan# 1878  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:163 Resp: 1159658  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.1 8.0 12.0

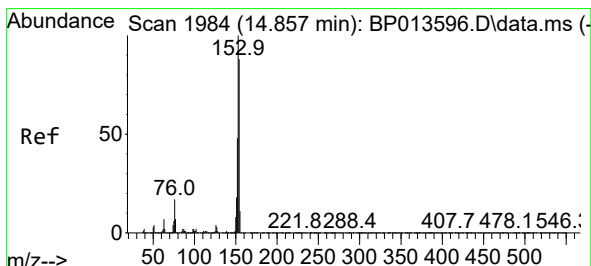
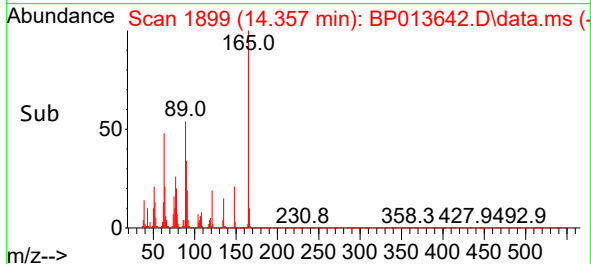
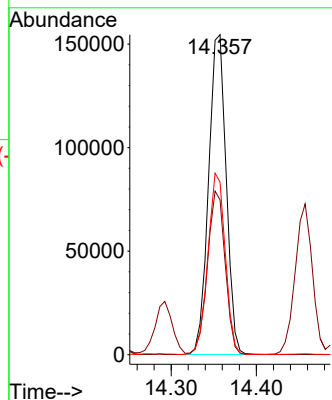
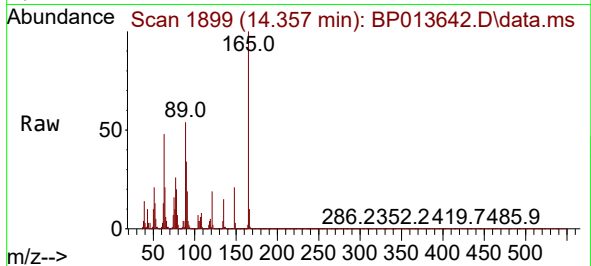




#51  
2,6-Dinitrotoluene  
Concen: 39.703 ng  
RT: 14.357 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

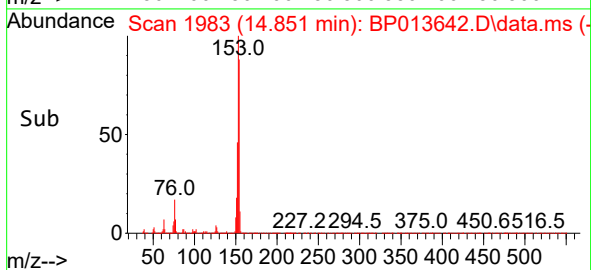
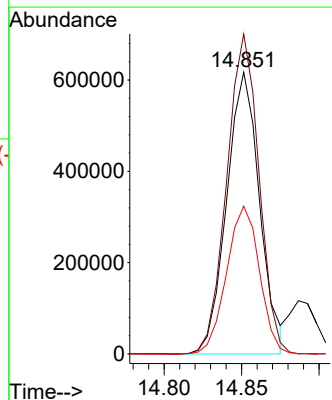
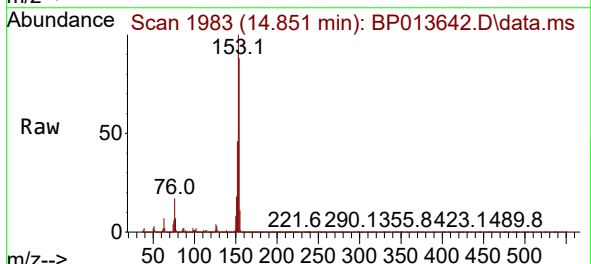
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

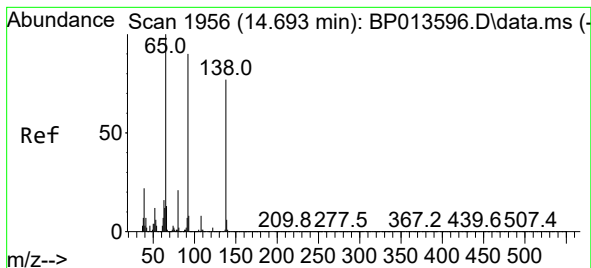
Tgt Ion:165 Resp: 221532  
Ion Ratio Lower Upper  
165 100  
63 48.4 42.4 63.6  
89 53.9 47.0 70.4



#52  
Acenaphthene  
Concen: 42.330 ng  
RT: 14.851 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:154 Resp: 910176  
Ion Ratio Lower Upper  
154 100  
153 113.6 91.0 136.6  
152 52.5 44.0 66.0

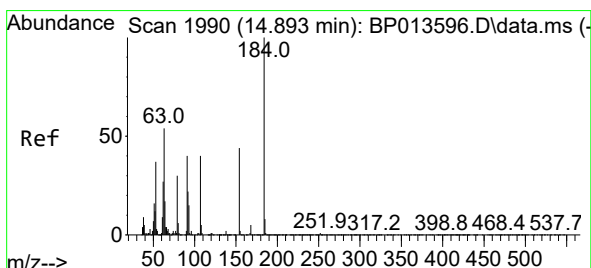
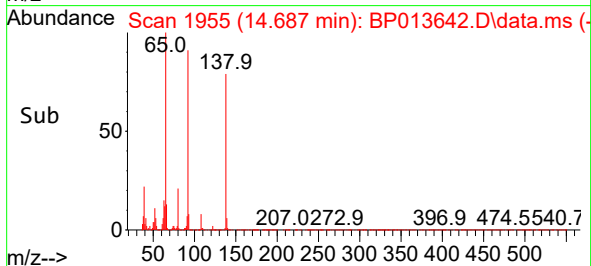
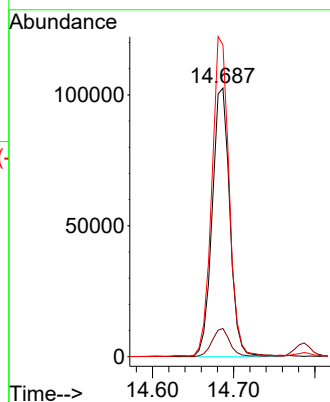
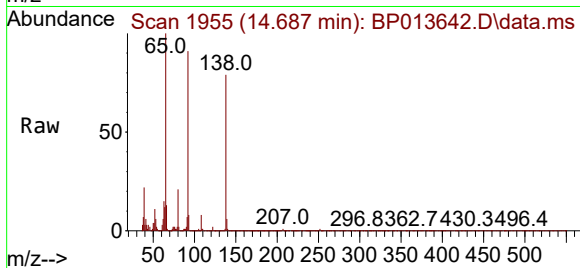




#53  
3-Nitroaniline  
Concen: 29.918 ng  
RT: 14.687 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

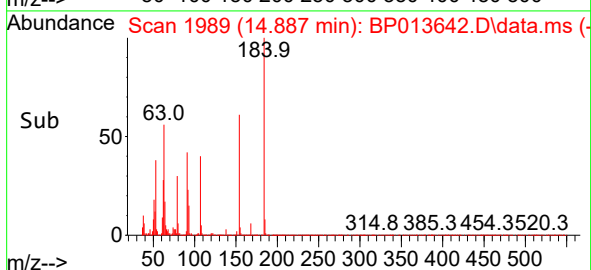
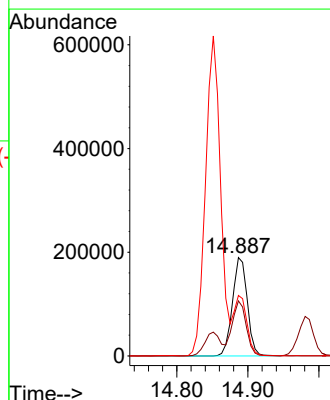
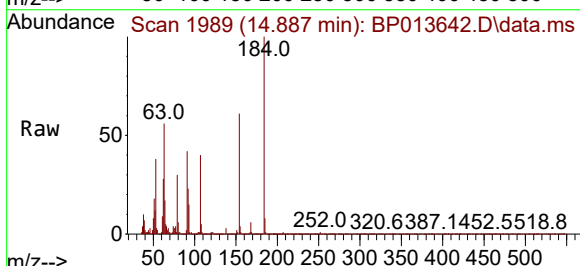
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

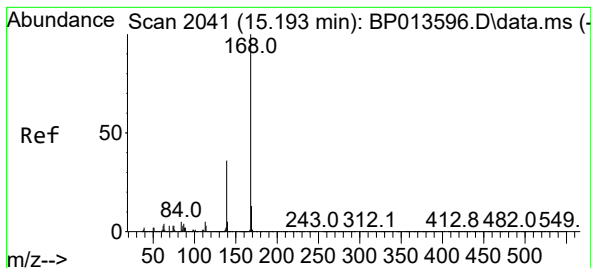
Tgt Ion:138 Resp: 154470  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.0 12.0  
92 116.2 93.7 140.5



#54  
2,4-Dinitrophenol  
Concen: 80.427 ng  
RT: 14.887 min Scan# 1989  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:184 Resp: 274939  
Ion Ratio Lower Upper  
184 100  
63 55.9 44.4 66.6  
154 61.5 49.0 73.6





#55

Dibenzofuran

Concen: 43.660 ng

RT: 15.181 min Scan# 2041

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

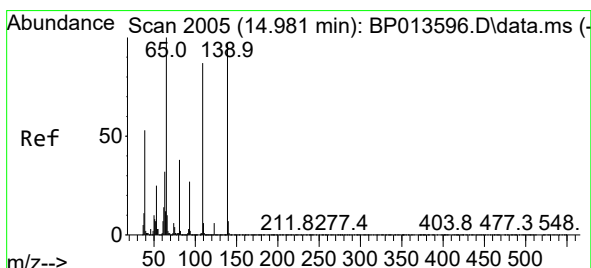
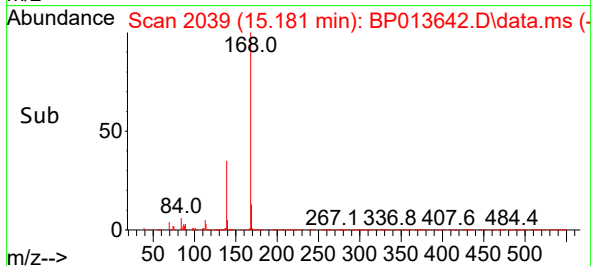
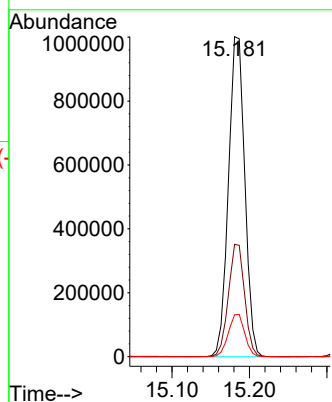
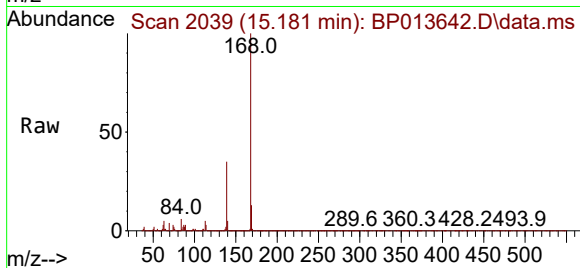
Tgt Ion:168 Resp: 1470283

Ion Ratio Lower Upper

168 100

139 35.1 29.0 43.4

169 13.1 10.6 15.8



#56

4-Nitrophenol

Concen: 85.877 ng

RT: 14.981 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

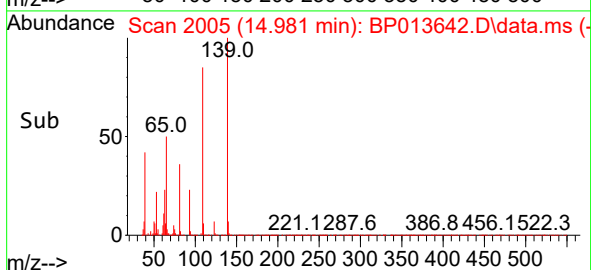
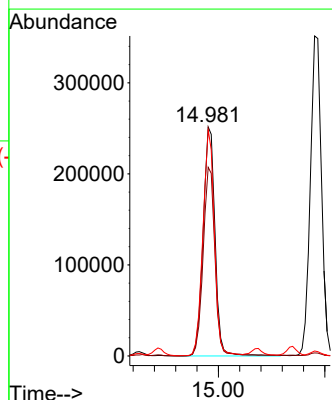
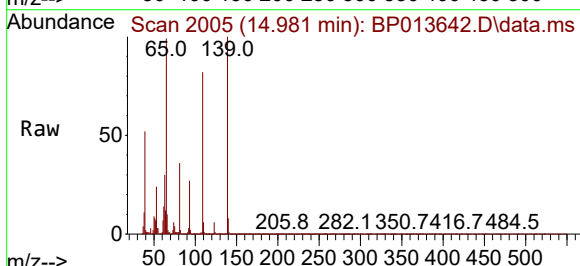
Tgt Ion:139 Resp: 389445

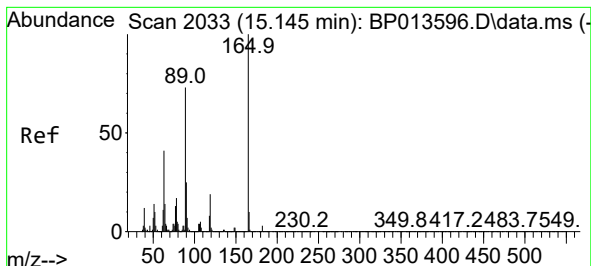
Ion Ratio Lower Upper

139 100

109 82.4 69.5 109.5

65 98.8 83.1 123.1





#57

2,4-Dinitrotoluene

Concen: 38.860 ng

RT: 15.140 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

Tgt Ion:165 Resp: 290426

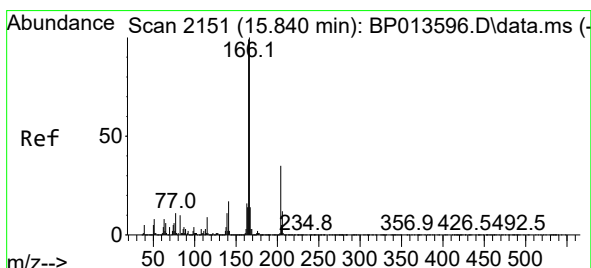
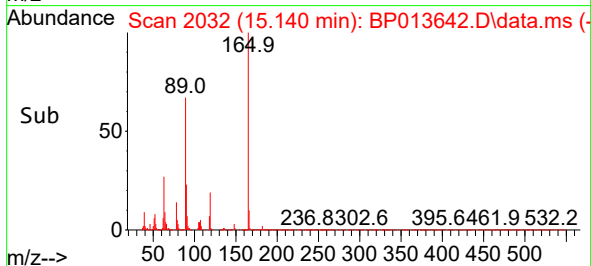
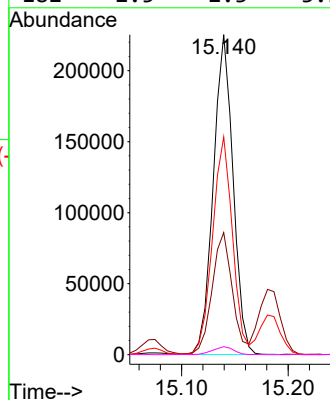
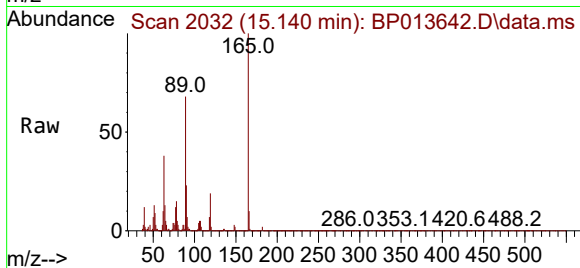
Ion Ratio Lower Upper

165 100

63 38.1 32.6 49.0

89 68.0 58.4 87.6

182 2.5 2.3 3.5



#58

Fluorene

Concen: 43.938 ng

RT: 15.834 min Scan# 2150

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

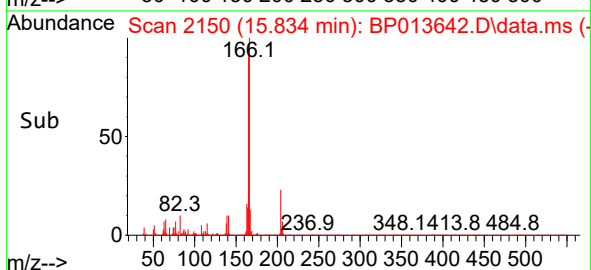
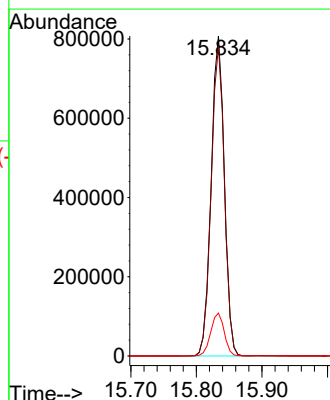
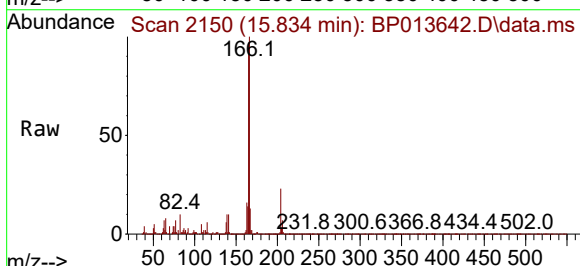
Tgt Ion:166 Resp: 1131506

Ion Ratio Lower Upper

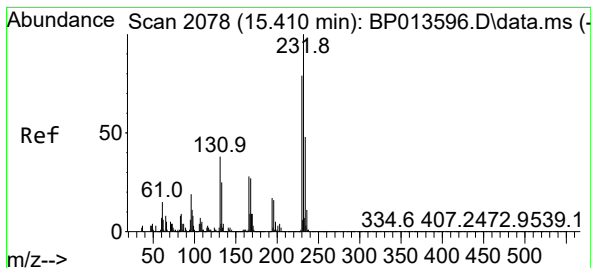
166 100

165 96.7 79.4 119.0

167 13.4 10.9 16.3



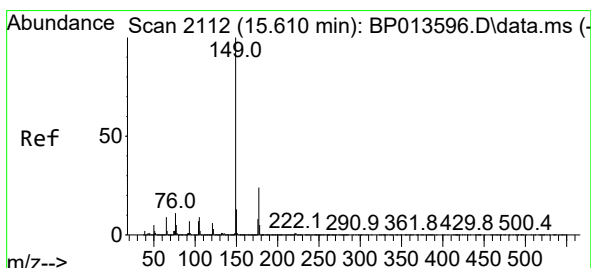
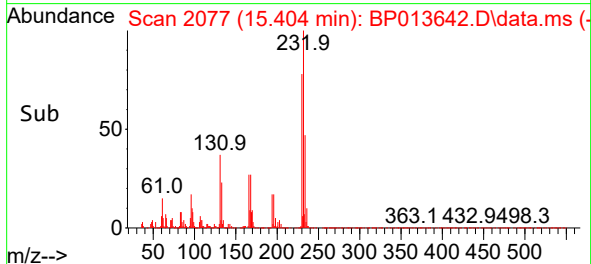
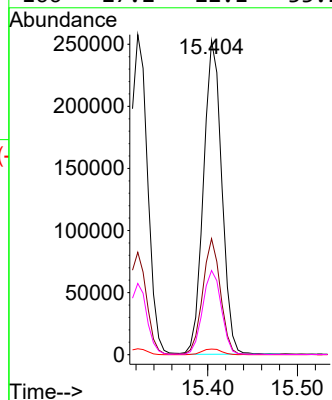
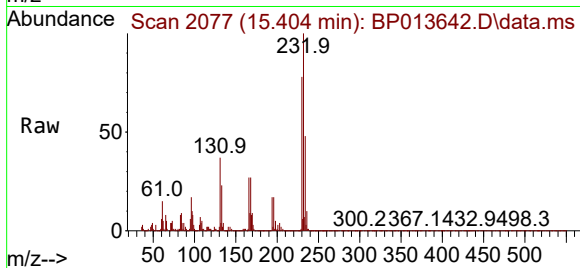




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.295 ng  
RT: 15.404 min Scan# 2078  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

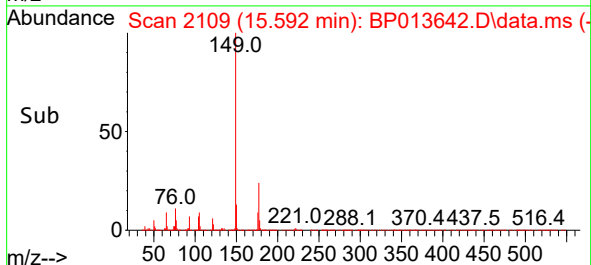
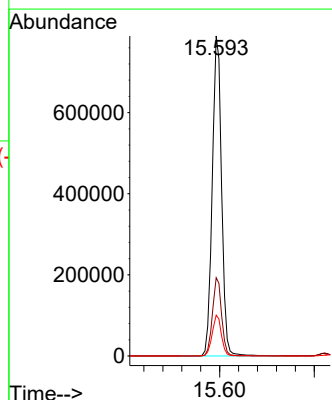
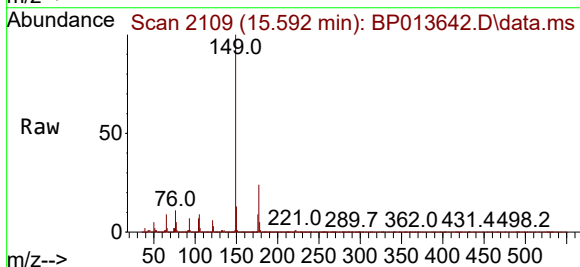
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

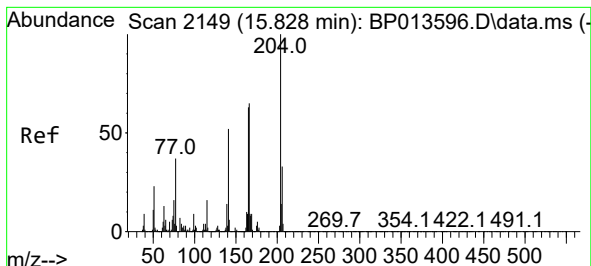
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 357755    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 35.9  | 29.4 44.2 |
| 130         | 2.0   | 1.6 2.4   |
| 166         | 27.2  | 22.1 33.1 |



#60  
Diethylphthalate  
Concen: 42.439 ng  
RT: 15.592 min Scan# 2109  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 1078218   |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 24.5  | 19.0 28.6 |
| 150         | 12.8  | 10.0 15.0 |

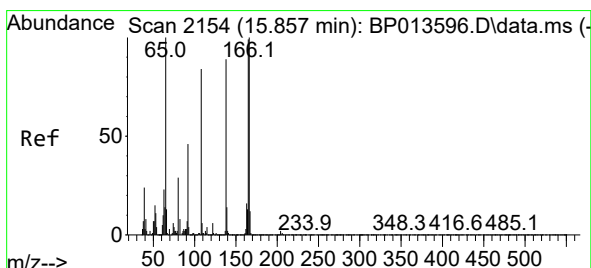
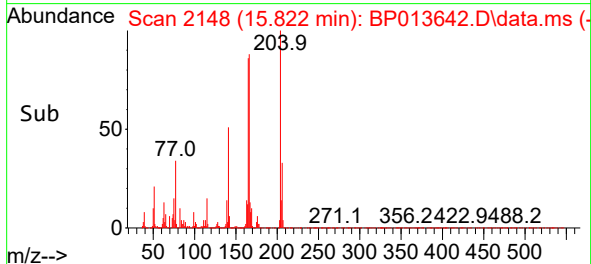
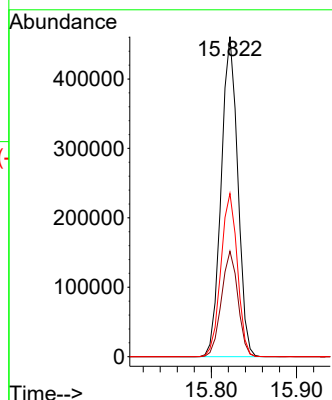
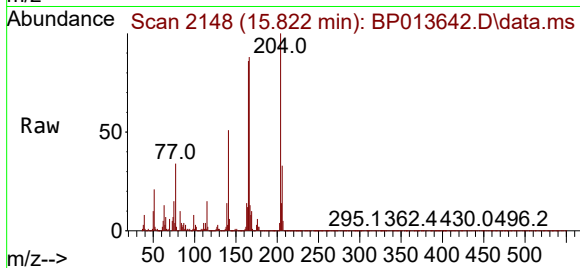




#61  
4-Chlorophenyl-phenylether  
Concen: 42.858 ng  
RT: 15.822 min Scan# 2148  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

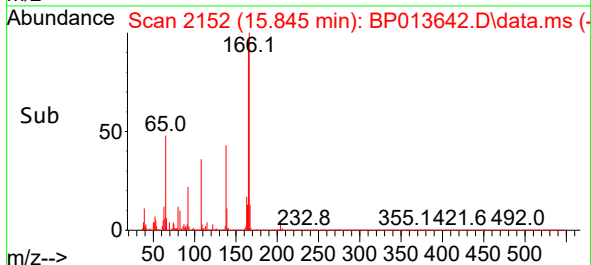
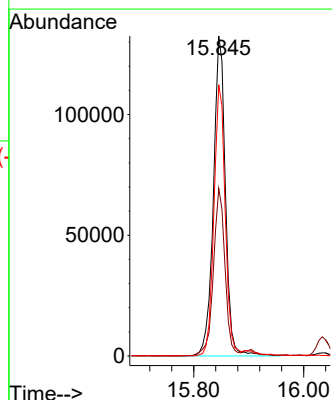
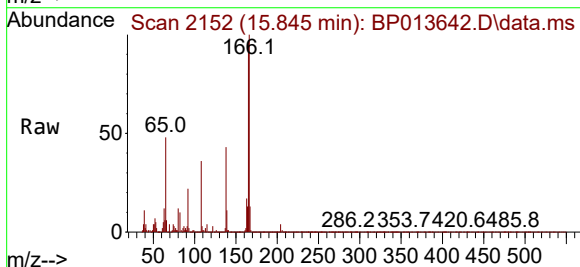
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

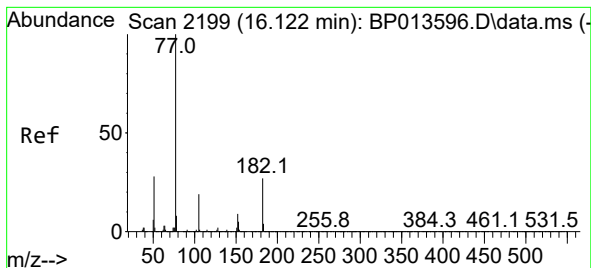
Tgt Ion:204 Resp: 623232  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.7 40.1  
141 51.0 41.7 62.5



#62  
4-Nitroaniline  
Concen: 40.673 ng  
RT: 15.845 min Scan# 2152  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:138 Resp: 202050  
Ion Ratio Lower Upper  
138 100  
92 52.4 31.9 71.9  
108 84.8 73.7 113.7





#63

Azobenzene

Concen: 39.470 ng

RT: 16.116 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

Tgt Ion: 77 Resp: 1021748

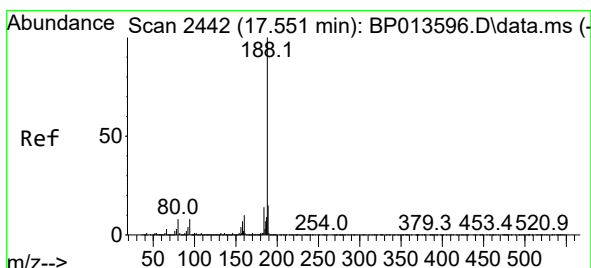
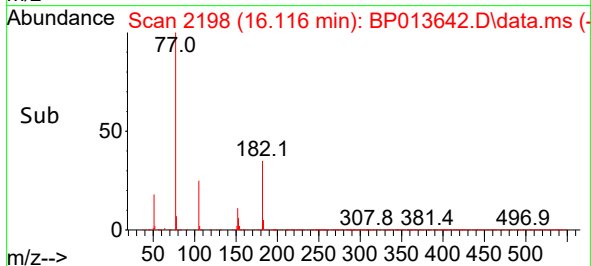
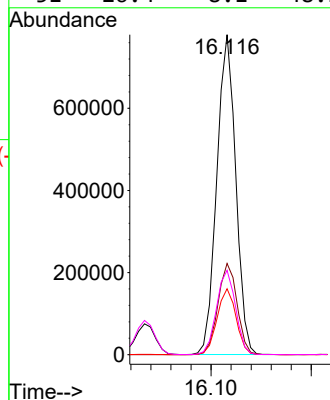
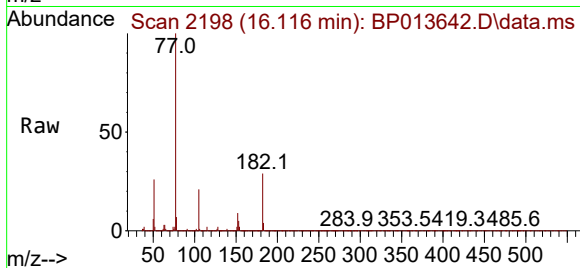
Ion Ratio Lower Upper

77 100

182 28.5 7.0 47.0

105 20.6 0.0 39.2

51 26.4 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.539 min Scan# 2440

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

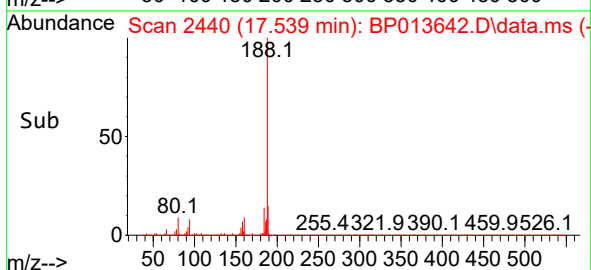
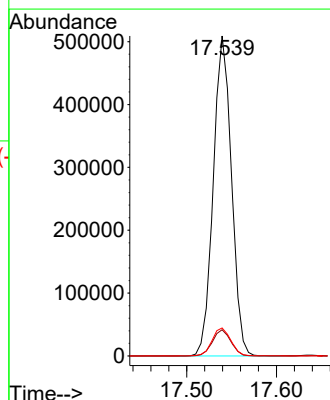
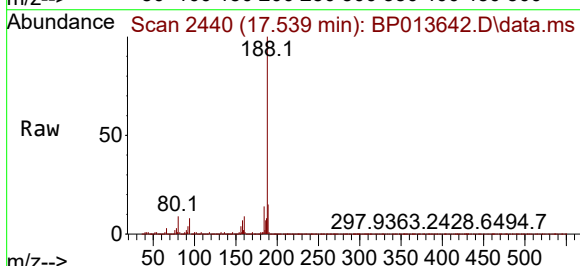
Tgt Ion:188 Resp: 717375

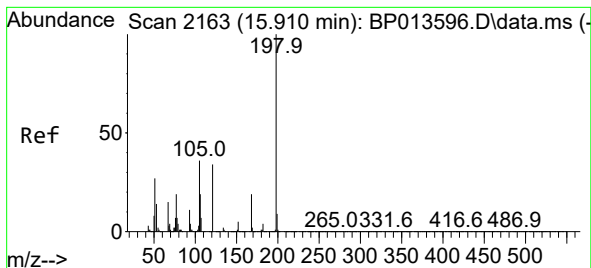
Ion Ratio Lower Upper

188 100

94 8.2 6.1 9.1

80 8.8 6.6 10.0

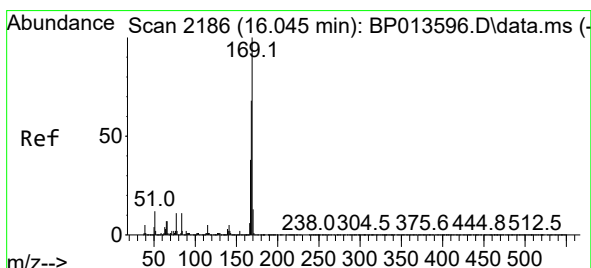
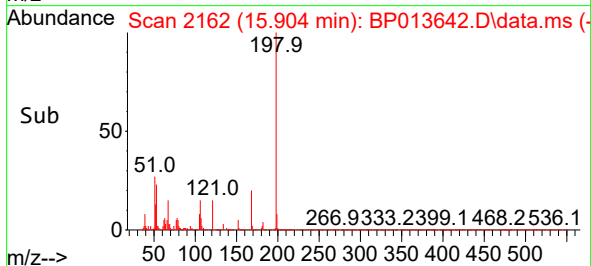
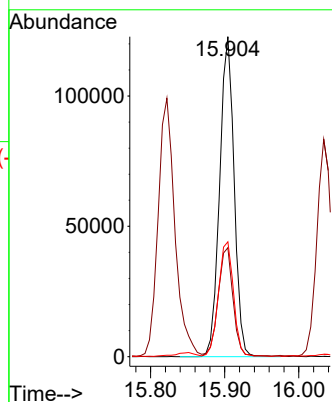
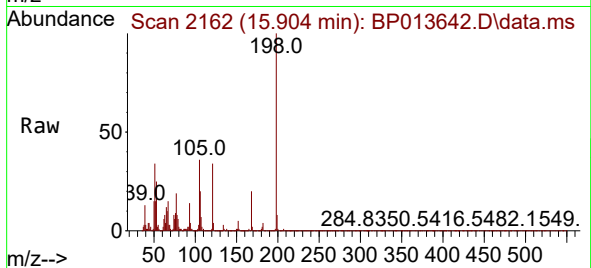




#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.227 ng  
RT: 15.904 min Scan# 2162  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

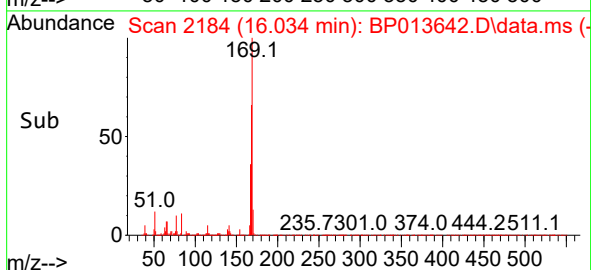
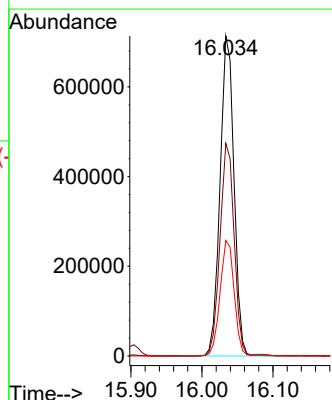
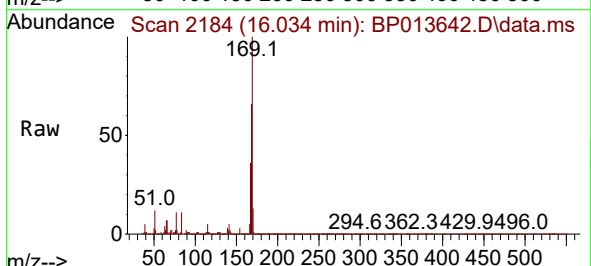
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

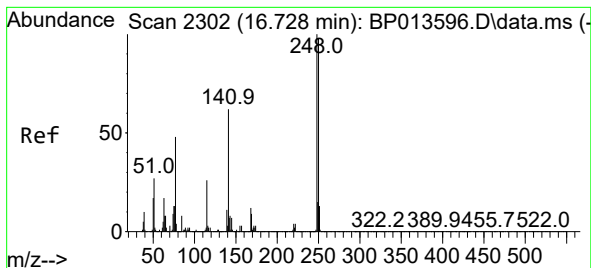
Tgt Ion:198 Resp: 166738  
Ion Ratio Lower Upper  
198 100  
51 34.0 15.0 55.0  
105 35.9 17.7 57.7



#66  
n-Nitrosodiphenylamine  
Concen: 48.905 ng  
RT: 16.034 min Scan# 2184  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:169 Resp: 966607  
Ion Ratio Lower Upper  
169 100  
168 66.5 54.5 81.7  
167 36.1 30.2 45.4

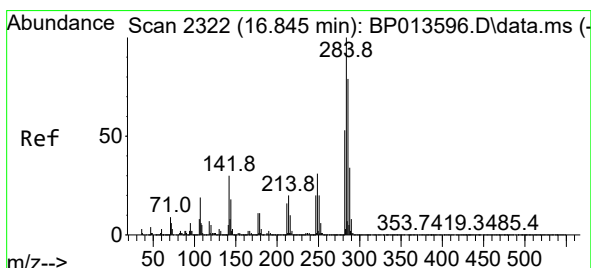
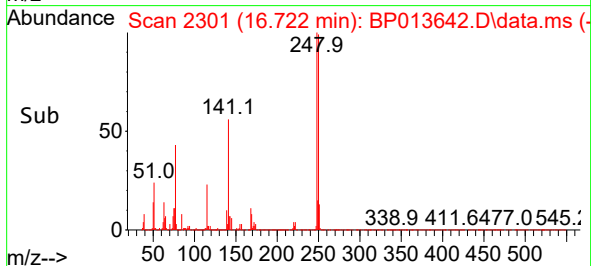
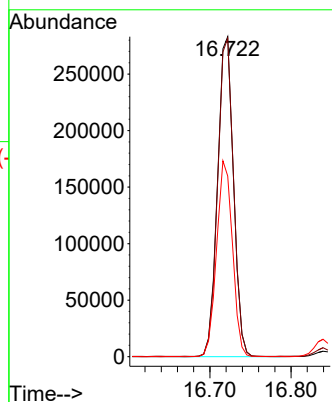
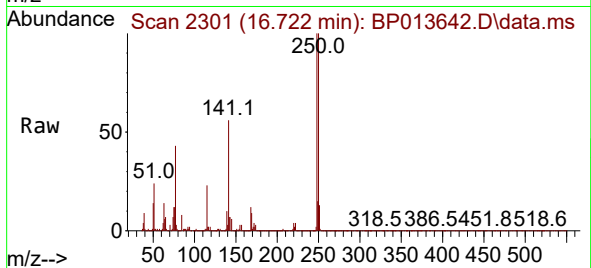




#67  
4-Bromophenyl-phenylether  
Concen: 46.674 ng  
RT: 16.722 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

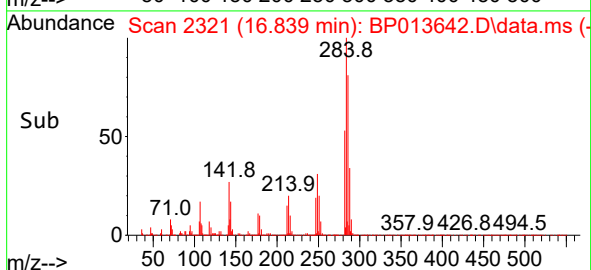
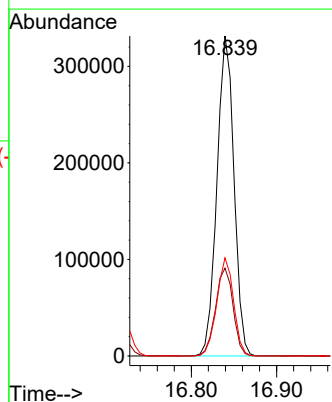
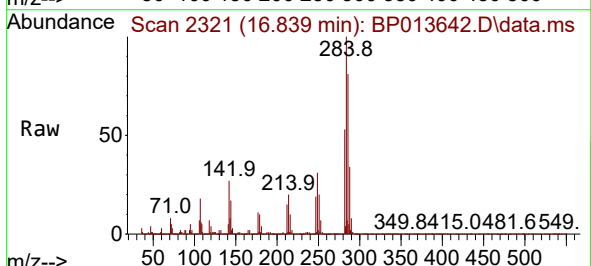
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

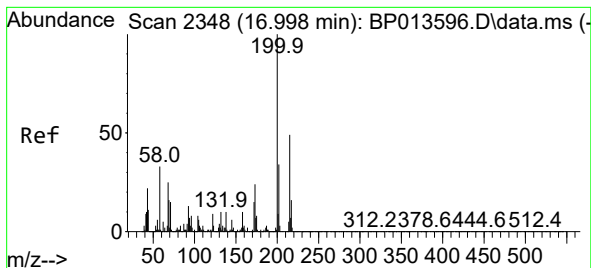
Tgt Ion:248 Resp: 385936  
Ion Ratio Lower Upper  
248 100  
250 99.5 78.6 117.8  
141 56.5 49.8 74.8



#68  
Hexachlorobenzene  
Concen: 50.937 ng  
RT: 16.839 min Scan# 2321  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:284 Resp: 460375  
Ion Ratio Lower Upper  
284 100  
142 27.5 24.1 36.1  
249 30.6 25.0 37.6





#69

Atrazine

Concen: 55.913 ng

RT: 16.987 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

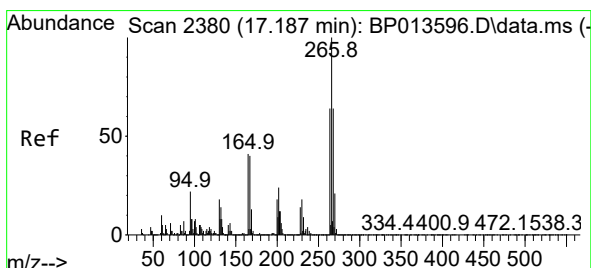
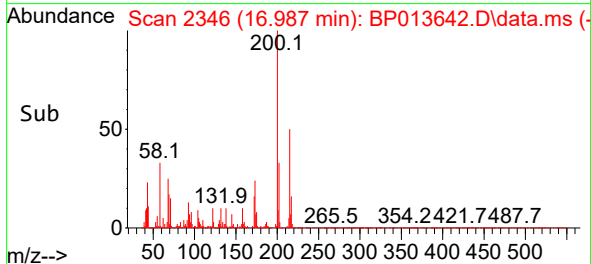
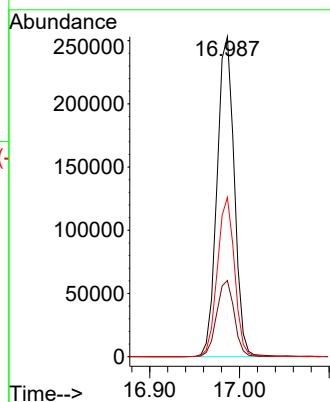
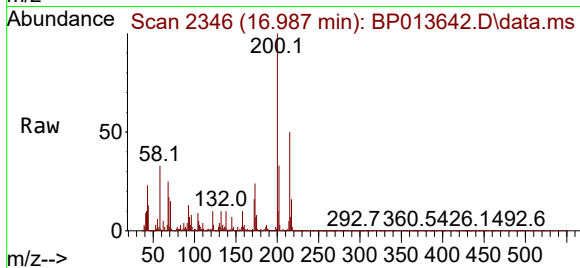
Tgt Ion:200 Resp: 337818

Ion Ratio Lower Upper

200 100

173 23.8 3.5 43.5

215 49.8 29.2 69.2



#70

Pentachlorophenol

Concen: 81.081 ng

RT: 17.181 min Scan# 2379

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

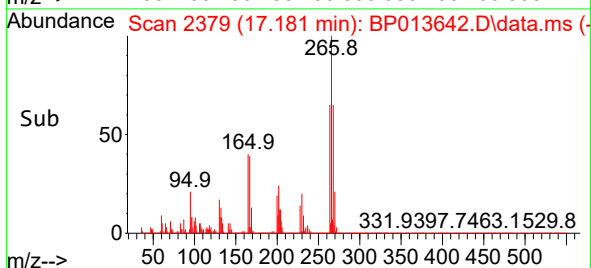
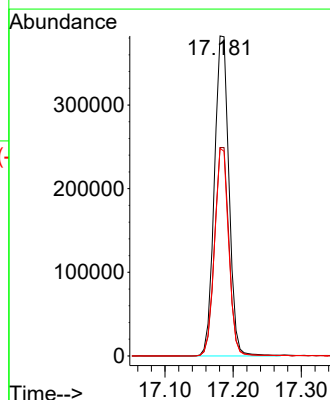
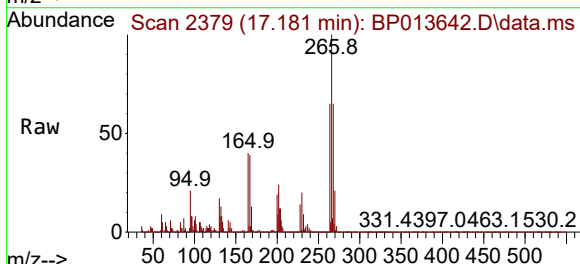
Tgt Ion:266 Resp: 569518

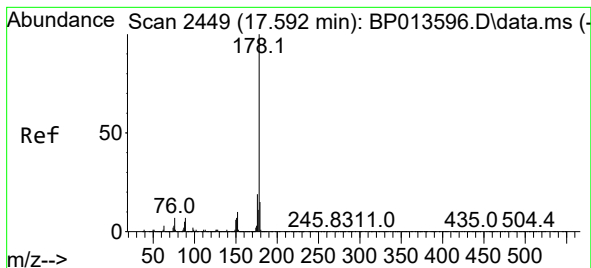
Ion Ratio Lower Upper

266 100

268 65.2 51.4 77.0

264 64.9 51.0 76.6





#71

Phenanthrene

Concen: 47.170 ng

RT: 17.581 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

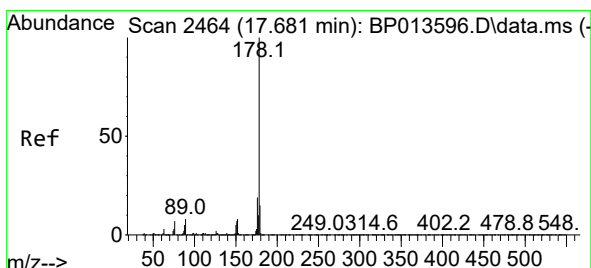
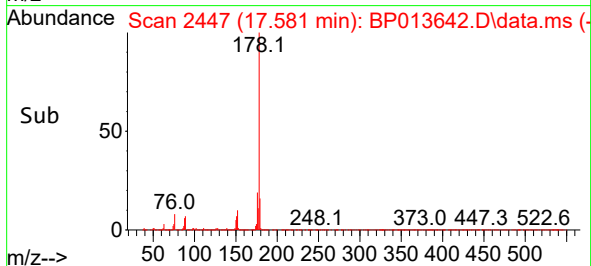
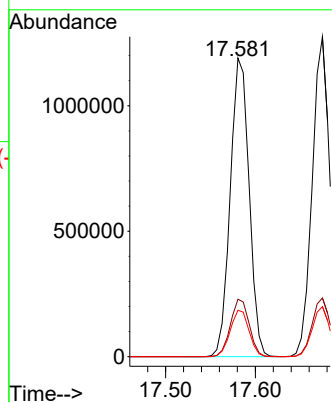
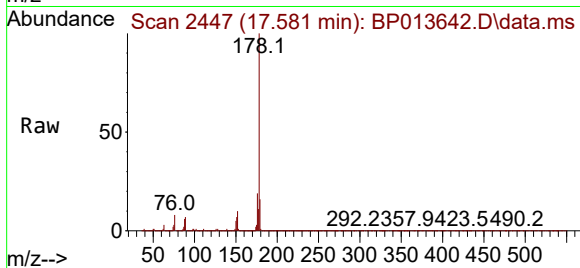
Tgt Ion:178 Resp: 1735503

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.2 18.4



#72

Anthracene

Concen: 47.077 ng

RT: 17.675 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

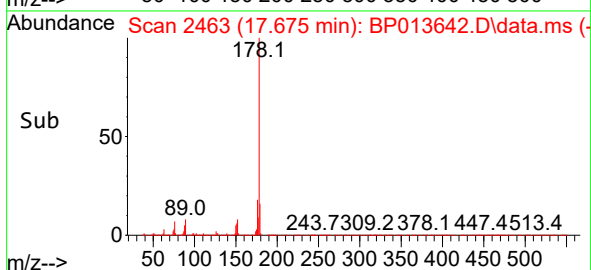
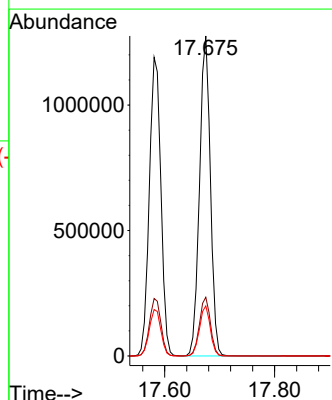
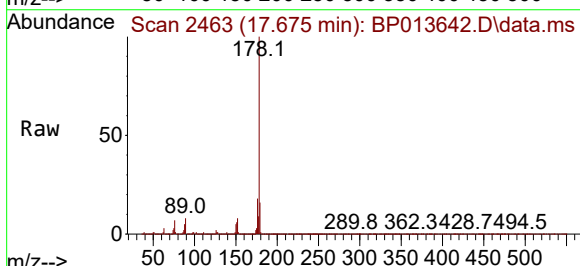
Tgt Ion:178 Resp: 1750159

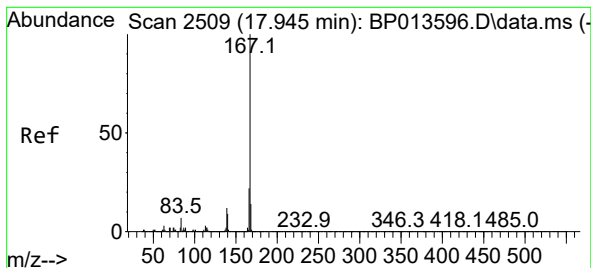
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.7 12.3 18.5





#73

Carbazole

Concen: 45.842 ng

RT: 17.934 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

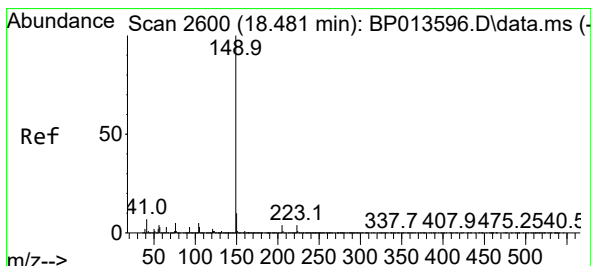
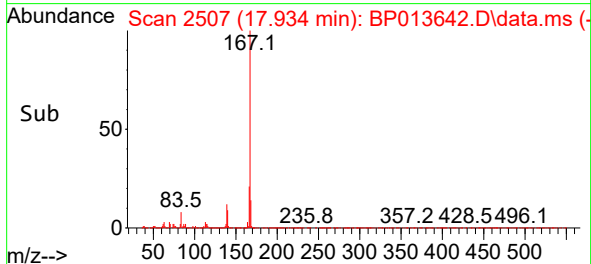
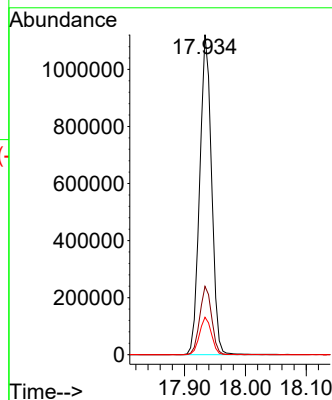
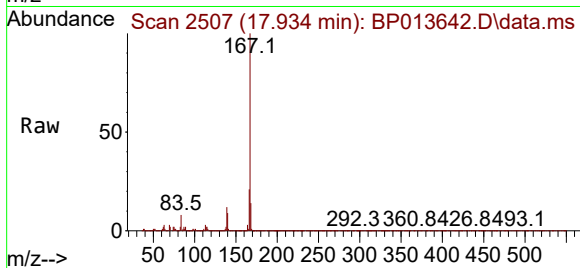
Tgt Ion:167 Resp: 1518651

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 11.7 9.8 14.6



#74

Di-n-butylphthalate

Concen: 54.562 ng

RT: 18.469 min Scan# 2598

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

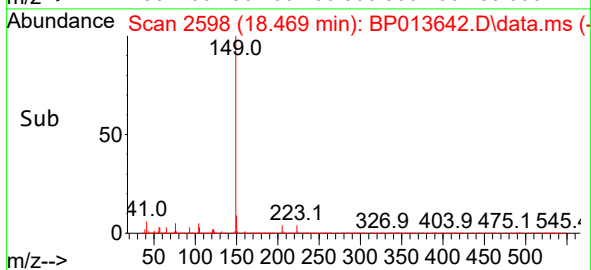
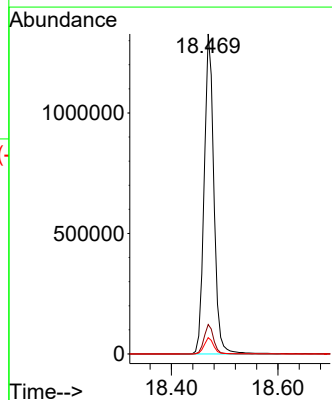
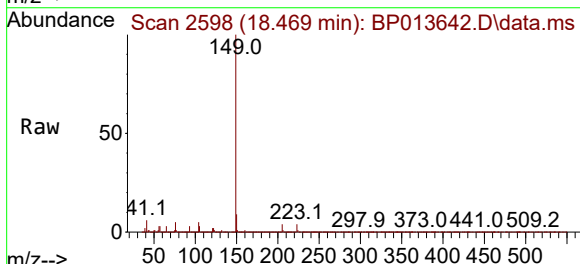
Tgt Ion:149 Resp: 1675609

Ion Ratio Lower Upper

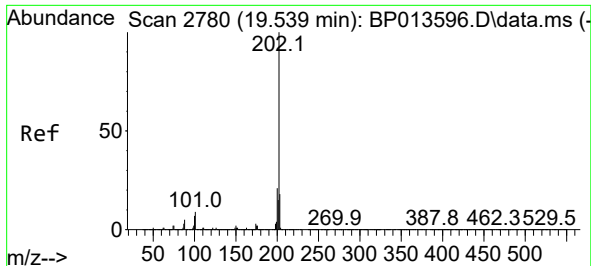
149 100

150 9.2 7.6 11.4

104 5.1 4.4 6.6



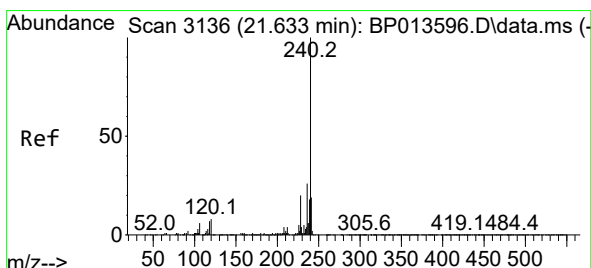
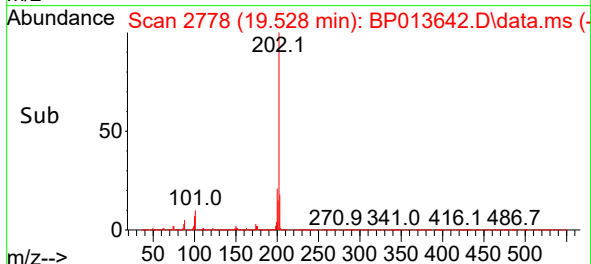
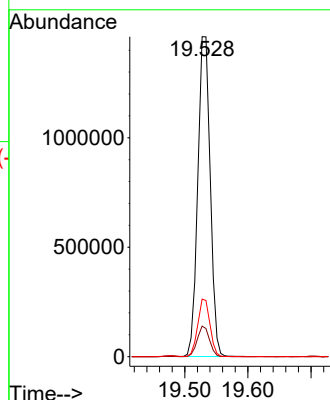
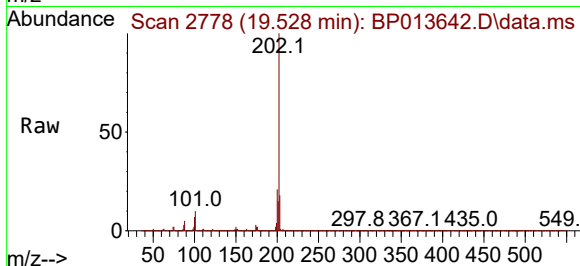




#75  
Fluoranthene  
Concen: 43.526 ng  
RT: 19.528 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

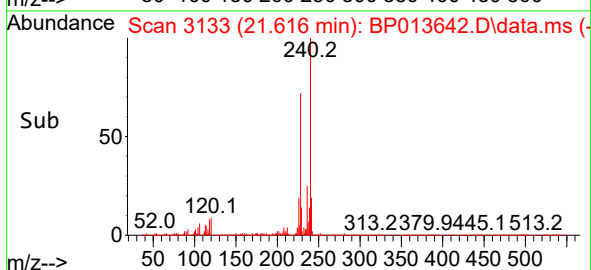
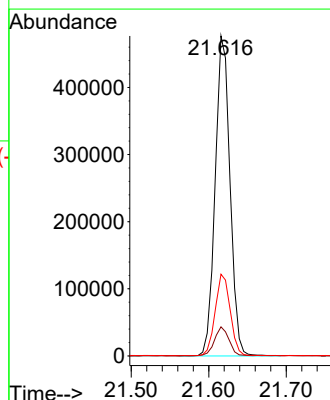
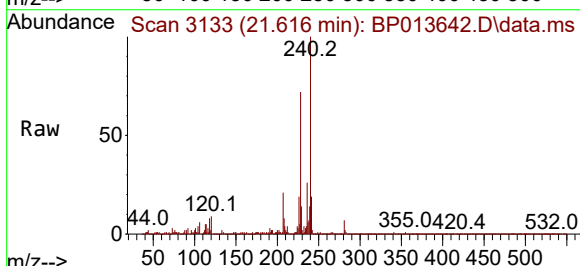
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

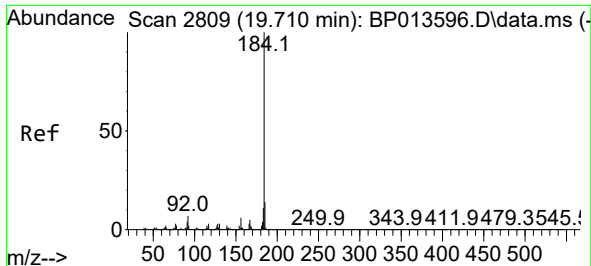
Tgt Ion:202 Resp: 1997377  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 28.9  
203 18.0 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.616 min Scan# 3133  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:240 Resp: 633605  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.7 10.1  
236 25.6 20.7 31.1

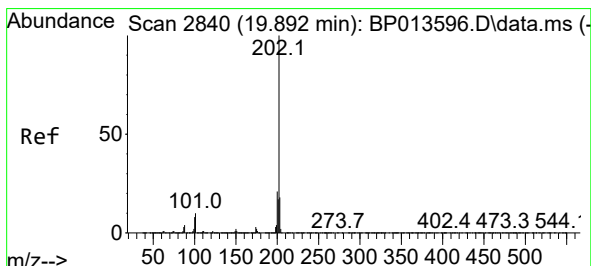
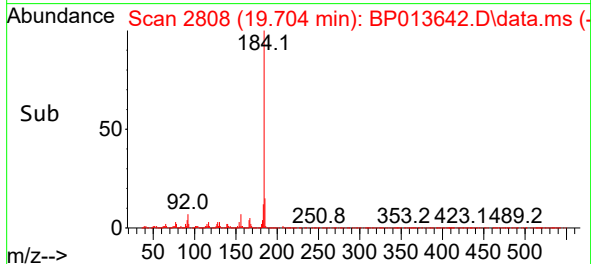
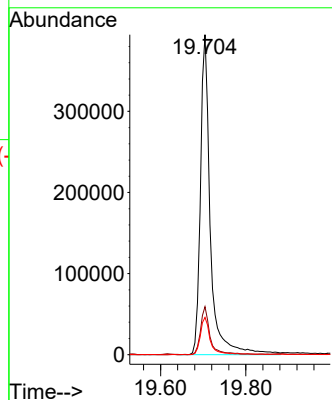
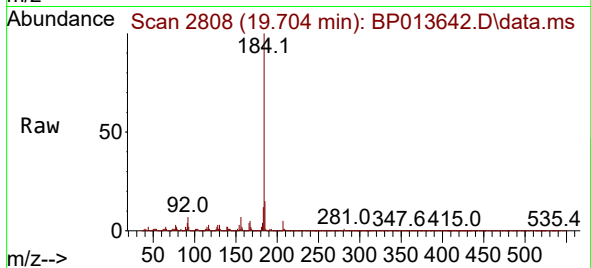




#77  
Benzidine  
Concen: 95.840 ng  
RT: 19.704 min Scan# 2808  
Delta R.T. -0.053 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

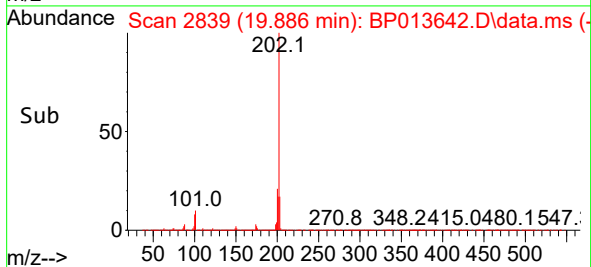
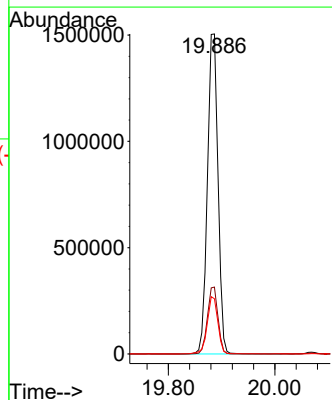
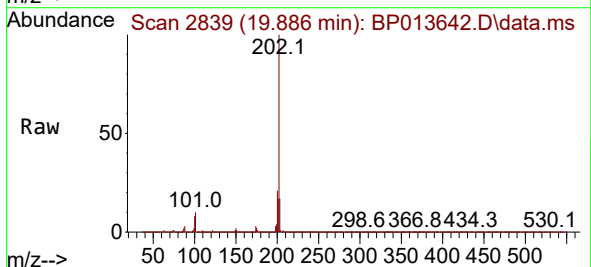
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

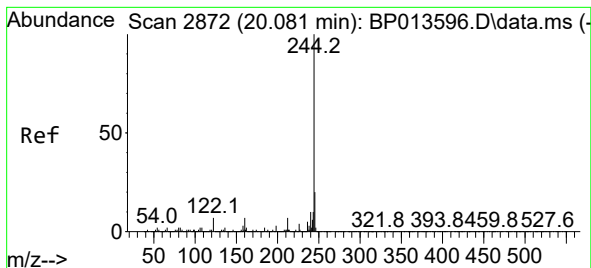
Tgt Ion:184 Resp: 636660  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.5 17.3  
183 11.6 9.0 13.6



#78  
Pyrene  
Concen: 42.214 ng  
RT: 19.886 min Scan# 2839  
Delta R.T. 0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:202 Resp: 2070010  
Ion Ratio Lower Upper  
202 100  
200 20.9 17.0 25.6  
203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 91.621 ng

RT: 20.069 min Scan# 2872

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

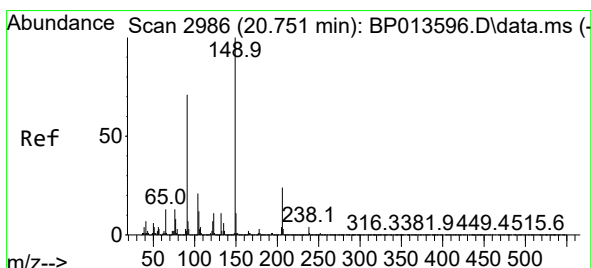
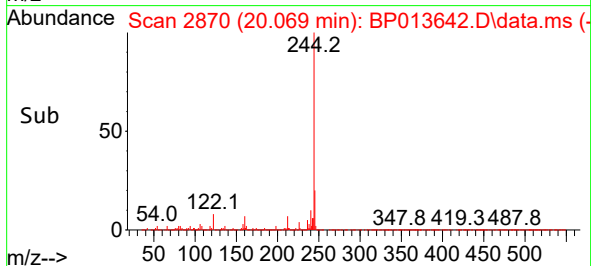
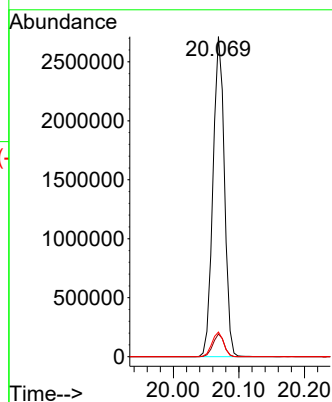
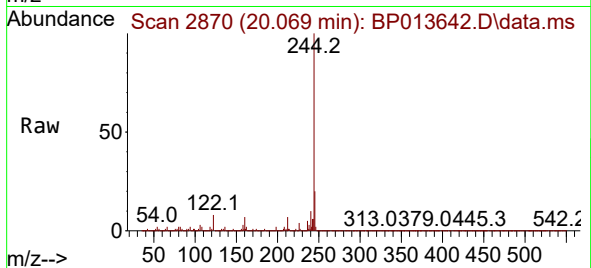
Tgt Ion:244 Resp: 3289704

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 7.7 5.3 7.9



#80

Butylbenzylphthalate

Concen: 68.739 ng

RT: 20.739 min Scan# 2984

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

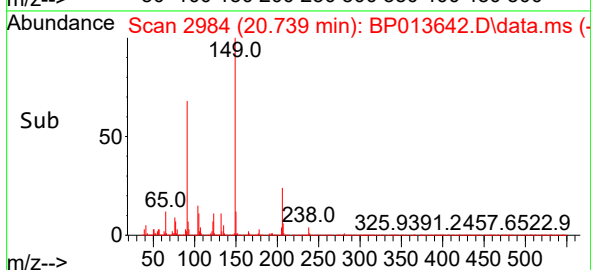
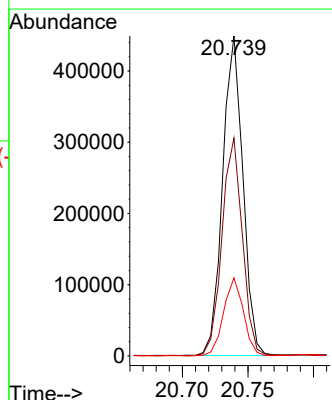
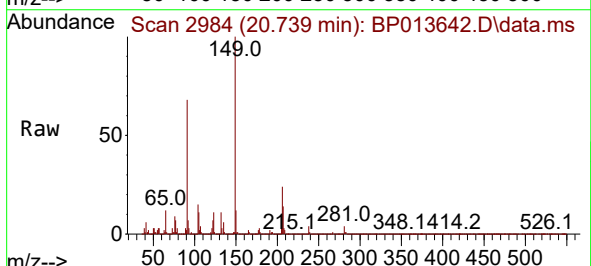
Tgt Ion:149 Resp: 481068

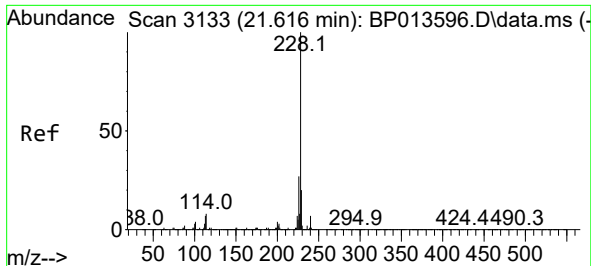
Ion Ratio Lower Upper

149 100

91 68.1 57.0 85.6

206 24.4 19.0 28.6

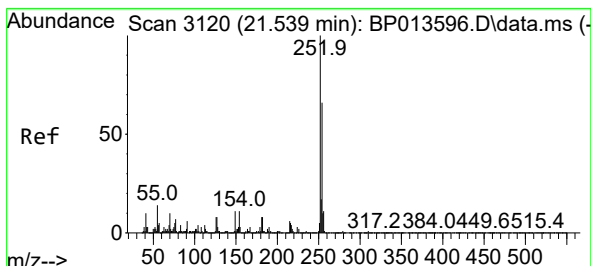
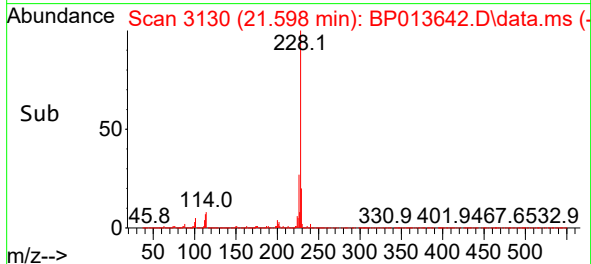
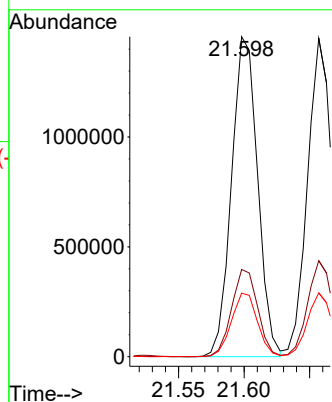
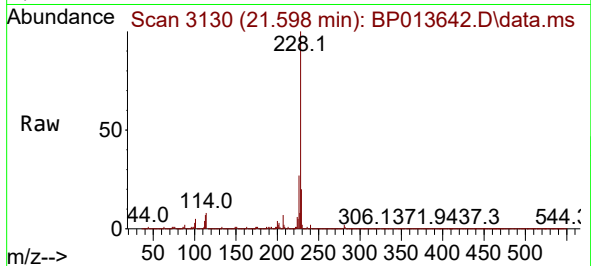




#81  
Benzo(a)anthracene  
Concen: 45.202 ng  
RT: 21.598 min Scan# 3117  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

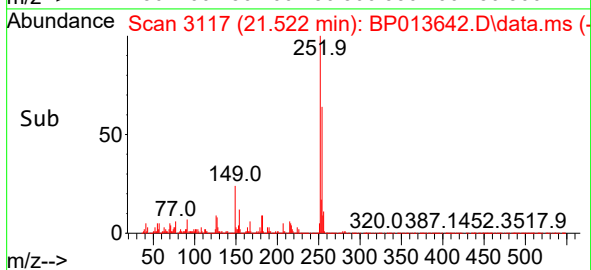
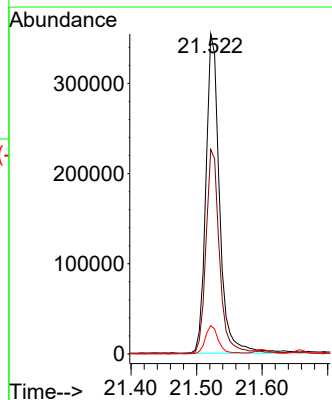
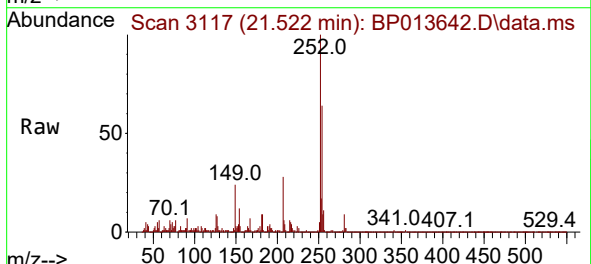
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

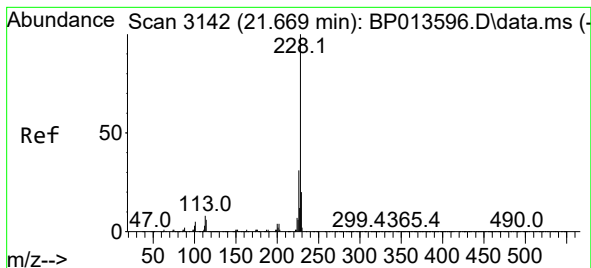
Tgt Ion:228 Resp: 2016783  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.0 33.0  
229 19.8 15.9 23.9



#82  
3,3'-Dichlorobenzidine  
Concen: 45.927 ng  
RT: 21.522 min Scan# 3117  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:252 Resp: 513476  
Ion Ratio Lower Upper  
252 100  
254 63.9 52.3 78.5  
126 8.9 6.2 9.4





#83

Chrysene

Concen: 45.413 ng

RT: 21.657 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

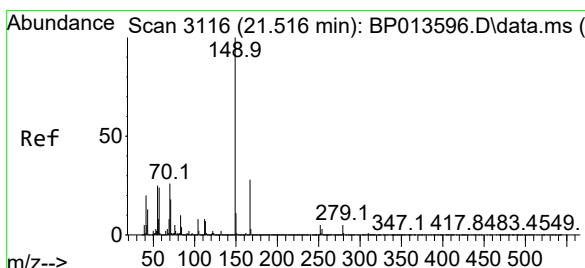
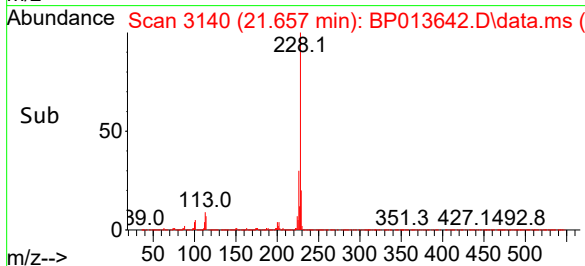
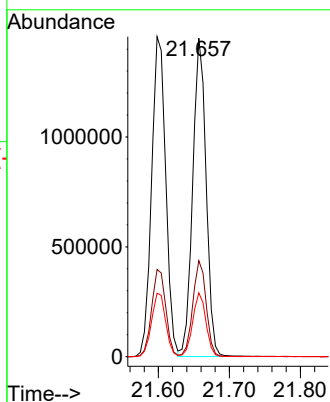
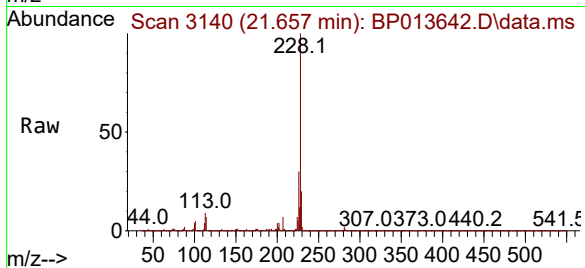
Tgt Ion:228 Resp: 1903832

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

229 20.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 71.412 ng

RT: 21.504 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

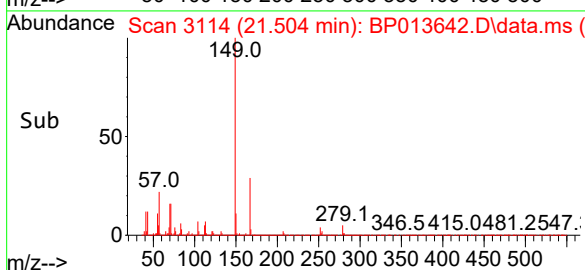
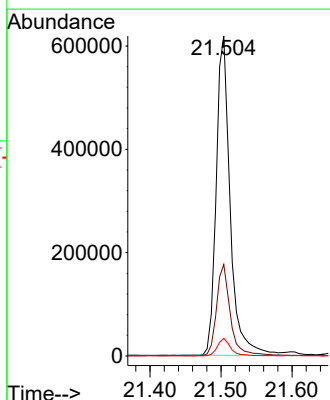
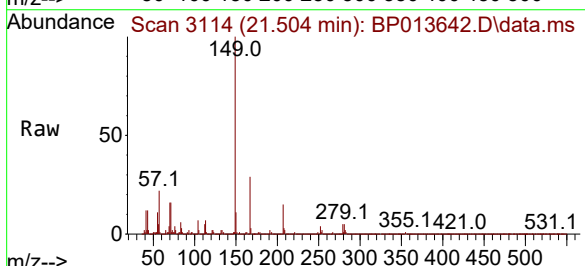
Tgt Ion:149 Resp: 840419

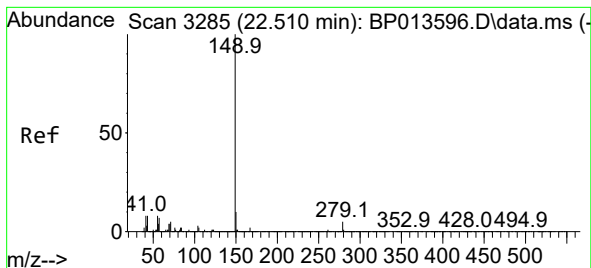
Ion Ratio Lower Upper

149 100

167 28.6 22.2 33.4

279 5.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 74.588 ng

RT: 22.486 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

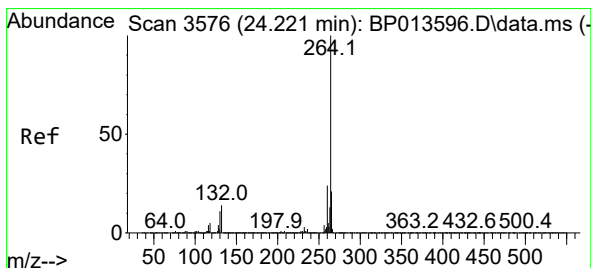
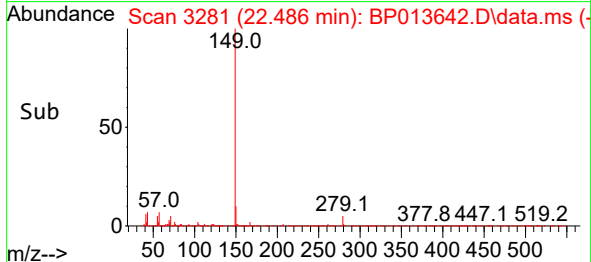
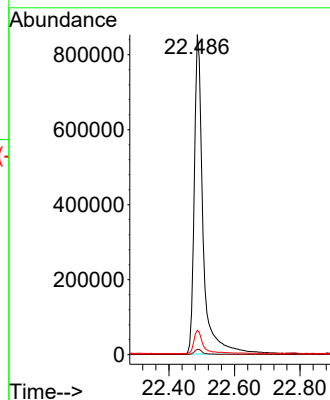
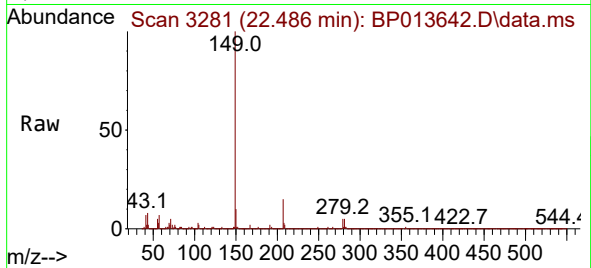
Tgt Ion:149 Resp: 1599628

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.8 8.6 12.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.198 min Scan# 3572

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

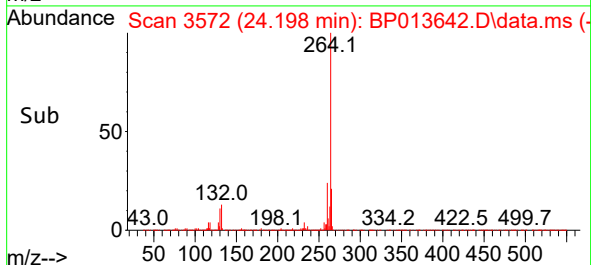
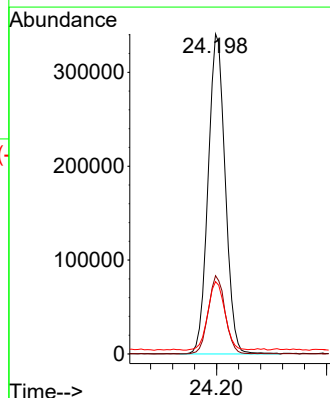
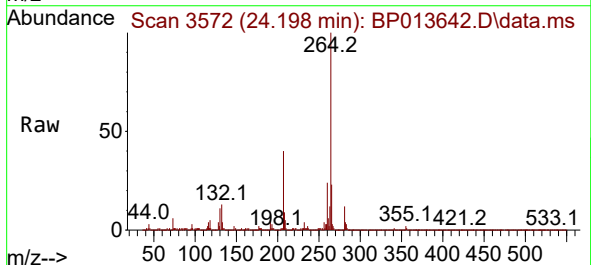
Tgt Ion:264 Resp: 735741

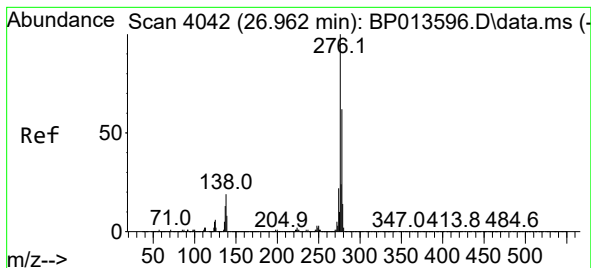
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.723 ng

RT: 26.933 min Scan# 4042

Delta R.T. 0.000 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

Instrument :

BNA\_P

ClientSampleId :

PB150519BS

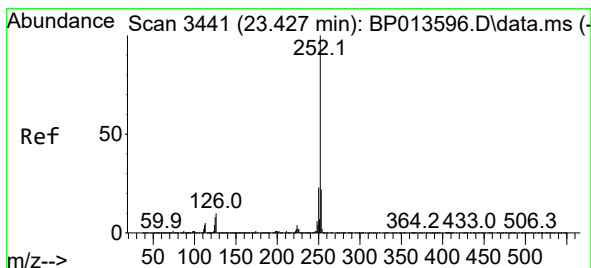
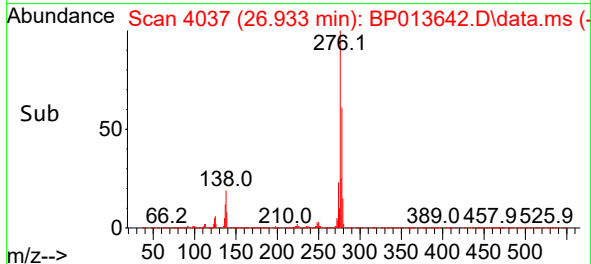
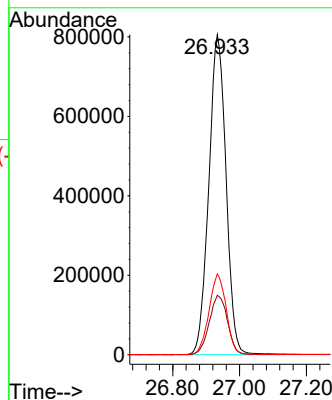
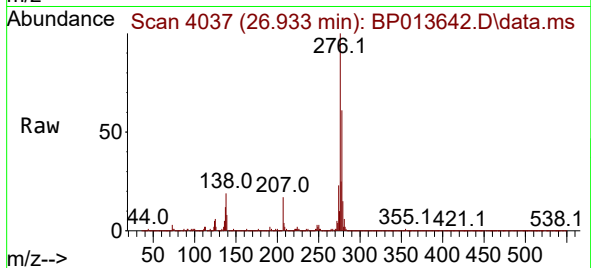
Tgt Ion:276 Resp: 2882280

Ion Ratio Lower Upper

276 100

138 19.5 16.4 24.6

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 45.668 ng

RT: 23.410 min Scan# 3438

Delta R.T. 0.006 min

Lab File: BP013642.D

Acq: 30 Jan 2023 12:58

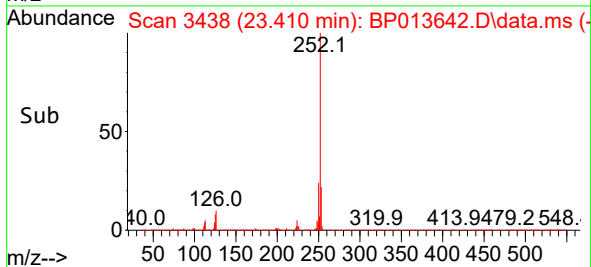
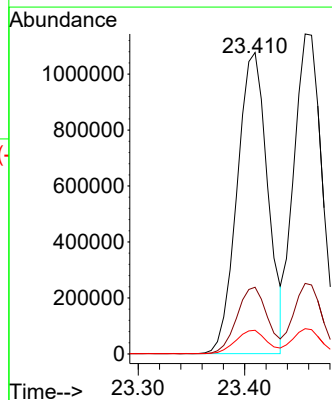
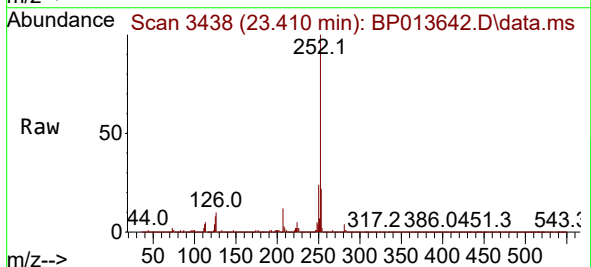
Tgt Ion:252 Resp: 2157137

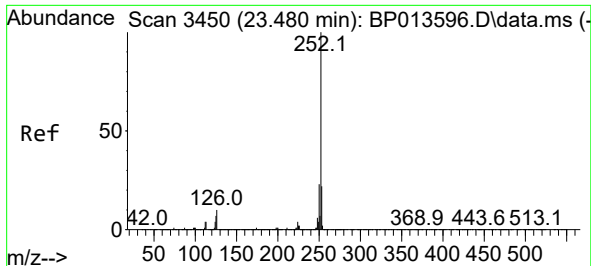
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 7.9 6.2 9.4

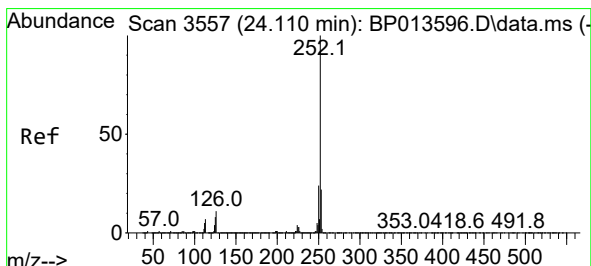
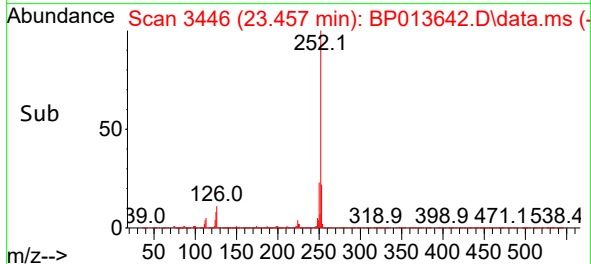
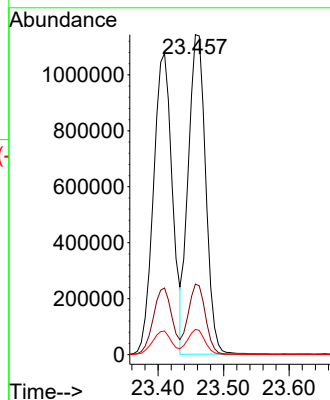
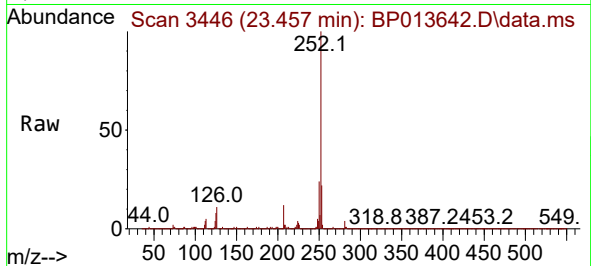




#89  
Benzo(k)fluoranthene  
Concen: 44.917 ng  
RT: 23.457 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

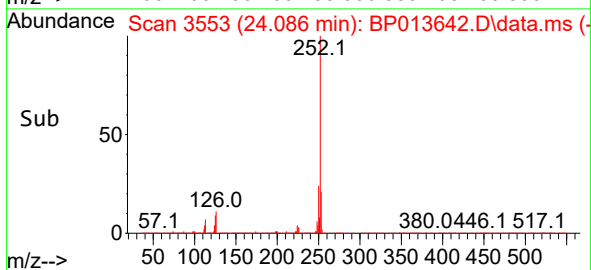
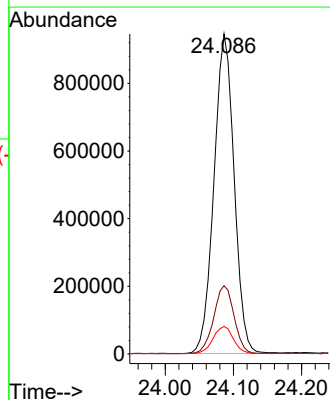
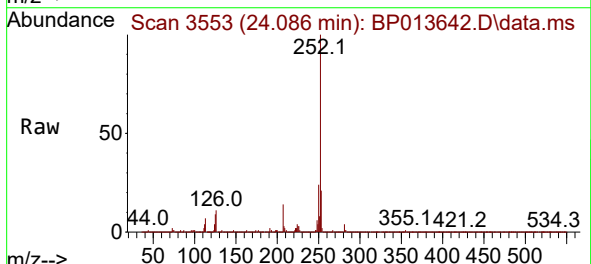
Instrument :  
BNA\_P  
ClientSampleId :  
PB150519BS

Tgt Ion:252 Resp: 2106249  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.6 26.4  
125 7.9 5.9 8.9

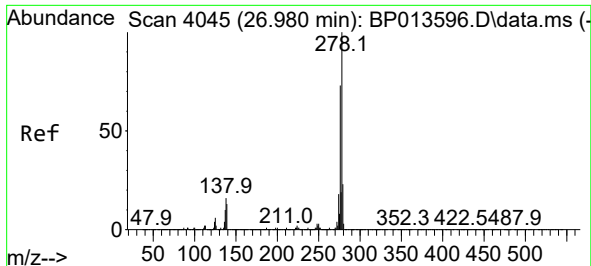


#90  
Benzo(a)pyrene  
Concen: 43.761 ng  
RT: 24.086 min Scan# 3553  
Delta R.T. 0.000 min  
Lab File: BP013642.D  
Acq: 30 Jan 2023 12:58

Tgt Ion:252 Resp: 1945556  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.2 25.8  
125 8.6 6.8 10.2



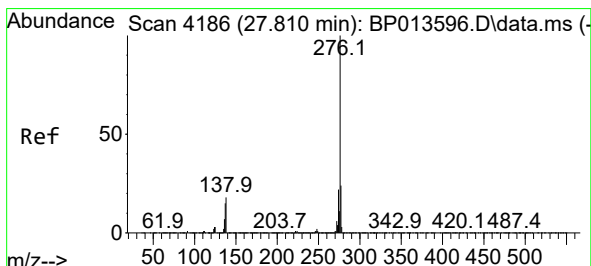
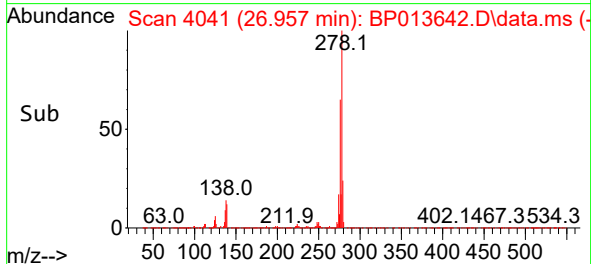
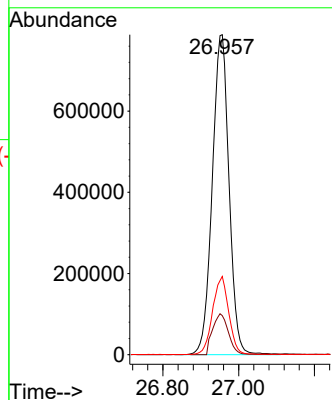
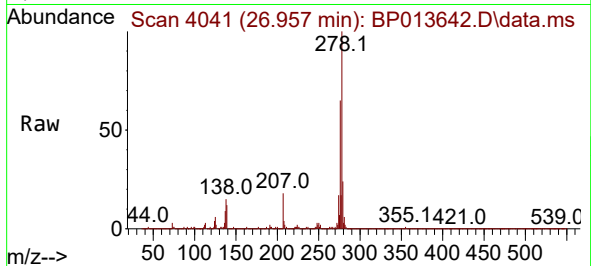




#91  
 Dibenzo(a,h)anthracene  
 Concen: 56.067 ng  
 RT: 26.957 min Scan# 4045  
 Delta R.T. 0.000 min  
 Lab File: BP013642.D  
 Acq: 30 Jan 2023 12:58

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB150519BS

Tgt Ion:278 Resp: 2413136  
 Ion Ratio Lower Upper  
 278 100  
 139 12.2 10.6 15.8  
 279 24.5 18.7 28.1



#92  
 Benzo(g,h,i)perylene  
 Concen: 57.378 ng  
 RT: 27.780 min Scan# 4181  
 Delta R.T. 0.000 min  
 Lab File: BP013642.D  
 Acq: 30 Jan 2023 12:58

Tgt Ion:276 Resp: 2431602  
 Ion Ratio Lower Upper  
 276 100  
 277 23.2 18.9 28.3  
 138 17.2 14.3 21.5

