

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082924\  
 Data File : BM047398.D  
 Acq On : 29 Aug 2024 17:45  
 Operator : RC/JU  
 Sample : P3773-02MSD 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-06-082824MSD

Quant Time: Aug 29 18:21:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 26 18:11:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.346  | 152  | 304090   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.104 | 136  | 1137395  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.010 | 164  | 760325   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.780 | 188  | 1407501  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.021 | 240  | 955156   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.727 | 264  | 1101251  | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.011  | 112  | 693350   | 43.745 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.575  | 99   | 912156   | 42.246 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.499  | 82   | 612327   | 29.871 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.528 | 330  | 381525   | 41.591 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.616 | 172  | 1497636  | 30.265 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.445 | 244  | 1673477  | 31.186 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.017  | 88   | 111822   | 17.236 | ng    | 97       |
| 3) Pyridine                   | 3.393  | 79   | 298275   | 16.565 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.317  | 42   | 136771   | 18.651 | ng    | # 96     |
| 6) Aniline                    | 6.699  | 93   | 343964   | 17.589 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.928  | 128  | 402693   | 22.699 | ng    | 98       |
| 9) Benzaldehyde               | 6.516  | 77   | 129091   | 8.372  | ng    | 97       |
| 10) Phenol                    | 6.599  | 94   | 464825   | 21.881 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.799  | 93   | 384250   | 20.873 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.234  | 146  | 455531   | 20.998 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.381  | 146  | 461800   | 21.019 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.687  | 146  | 449620   | 21.595 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.605  | 79   | 345381   | 23.073 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.869  | 45   | 463256   | 20.987 | ng    | 99       |
| 17) 2-Methylphenol            | 7.816  | 107  | 322065   | 21.821 | ng    | 99       |
| 18) Hexachloroethane          | 8.393  | 117  | 144615   | 17.608 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.157  | 70   | 281769   | 18.984 | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.146  | 107  | 430766   | 20.992 | ng    | 96       |
| 22) Acetophenone              | 8.169  | 105  | 550006   | 20.836 | ng    | 98       |
| 24) Nitrobenzene              | 8.540  | 77   | 434490   | 20.609 | ng    | 97       |
| 25) Isophorone                | 9.063  | 82   | 807243   | 20.836 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.240  | 139  | 222663   | 21.471 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.328  | 122  | 324351   | 27.709 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.546  | 93   | 495433   | 20.883 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 9.787  | 162  | 420676   | 23.167 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 9.975  | 180  | 452856   | 21.592 | ng    | 100      |
| 31) Naphthalene               | 10.151 | 128  | 1200824  | 21.616 | ng    | 100      |
| 32) Benzoic acid              | 9.510  | 122  | 253066   | 18.105 | ng    | 99       |
| 33) 4-Chloroaniline           | 10.287 | 127  | 340300   | 16.475 | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.428 | 225  | 293446   | 22.403 | ng    | 98       |
| 35) Caprolactam               | 11.098 | 113  | 122508   | 20.827 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.445 | 107  | 394955   | 21.419 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 11.781 | 142  | 882286   | 21.782 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.004 | 142  | 825234   | 20.600 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.163 | 216  | 509452   | 22.628 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.128 | 237  | 32524    | 4.577  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.434 | 196  | 351296   | 22.761 | ng    | 99       |

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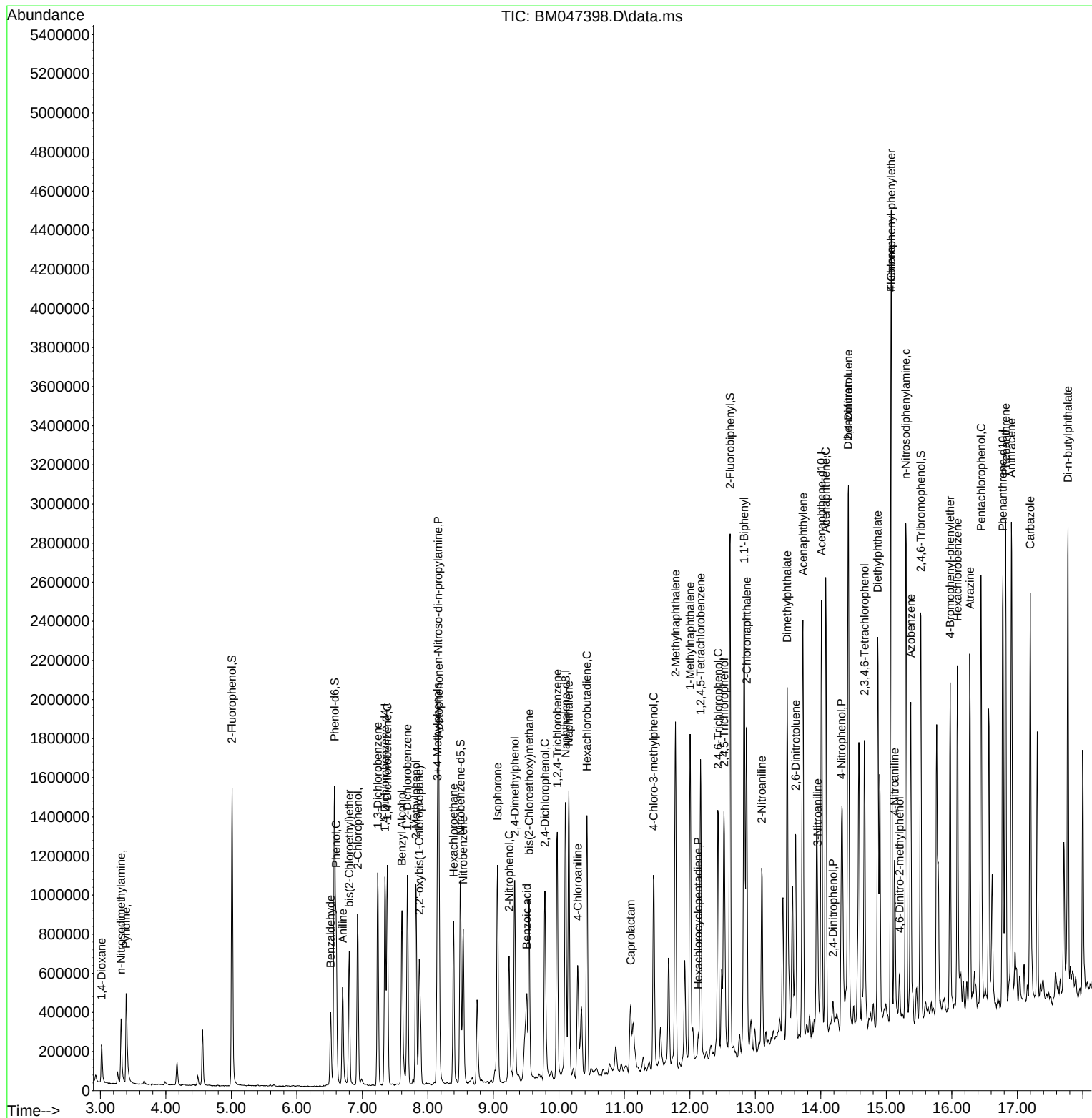
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.522 | 196  | 370594   | 21.621 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 12.828 | 154  | 1146683  | 21.599 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 12.869 | 162  | 892973   | 21.463 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.098 | 65   | 258886   | 22.214 | ng    | 95       |
| 49) Acenaphthylene            | 13.728 | 152  | 1401653  | 23.181 | ng    | 99       |
| 50) Dimethylphthalate         | 13.487 | 163  | 1117370  | 21.328 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.616 | 165  | 247431   | 20.285 | ng    | 97       |
| 52) Acenaphthene              | 14.075 | 154  | 841657   | 21.926 | ng    | 99       |
| 53) 3-Nitroaniline            | 13.951 | 138  | 194691   | 17.297 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.187 | 184  | 45631    | 6.075  | ng    | 94       |
| 55) Dibenzofuran              | 14.416 | 168  | 1345884  | 21.768 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.316 | 139  | 372199   | 42.304 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.422 | 165  | 319080   | 20.207 | ng    | 98       |
| 58) Fluorene                  | 15.075 | 166  | 1055531  | 21.094 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.669 | 232  | 309962   | 22.016 | ng    | # 98     |
| 60) Diethylphthalate          | 14.869 | 149  | 1097864  | 21.244 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.075 | 204  | 533275   | 20.950 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.128 | 138  | 211930   | 20.354 | ng    | 97       |
| 63) Azobenzene                | 15.375 | 77   | 919371   | 20.430 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.204 | 198  | 41530    | 4.807  | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 15.298 | 169  | 923968   | 23.991 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 15.975 | 248  | 339670   | 22.876 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.086 | 284  | 369799   | 21.563 | ng    | 99       |
| 69) Atrazine                  | 16.275 | 200  | 343897   | 27.318 | ng    | 99       |
| 70) Pentachlorophenol         | 16.445 | 266  | 443858   | 40.031 | ng    | 99       |
| 71) Phenanthrene              | 16.822 | 178  | 1531978  | 22.412 | ng    | 100      |
| 72) Anthracene                | 16.910 | 178  | 1548886  | 23.245 | ng    | 99       |
| 73) Carbazole                 | 17.198 | 167  | 1396590  | 21.841 | ng    | 100      |
| 74) Di-n-butylphthalate       | 17.775 | 149  | 1791147  | 23.004 | ng    | 100      |
| 75) Fluoranthene              | 18.857 | 202  | 1625154  | 20.248 | ng    | 100      |
| 77) Benzidine                 | 19.069 | 184  | 821928   | 51.552 | ng    | 100      |
| 78) Pyrene                    | 19.227 | 202  | 1669535  | 22.790 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.157 | 149  | 655772   | 22.875 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.004 | 228  | 1368500  | 21.970 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 20.945 | 252  | 453345   | 21.636 | ng    | 99       |
| 83) Chrysene                  | 21.063 | 228  | 1289113  | 22.001 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 20.957 | 149  | 920054   | 22.708 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 21.986 | 149  | 1517021  | 22.245 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.745 | 276  | 1561919  | 22.657 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.880 | 252  | 1346548  | 20.958 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.933 | 252  | 1280893  | 21.031 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.604 | 252  | 1272611  | 22.904 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.780 | 278  | 1254793  | 22.468 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.680 | 276  | 1190930  | 20.512 | ng    | 99       |

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

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AU-06-082824MSD

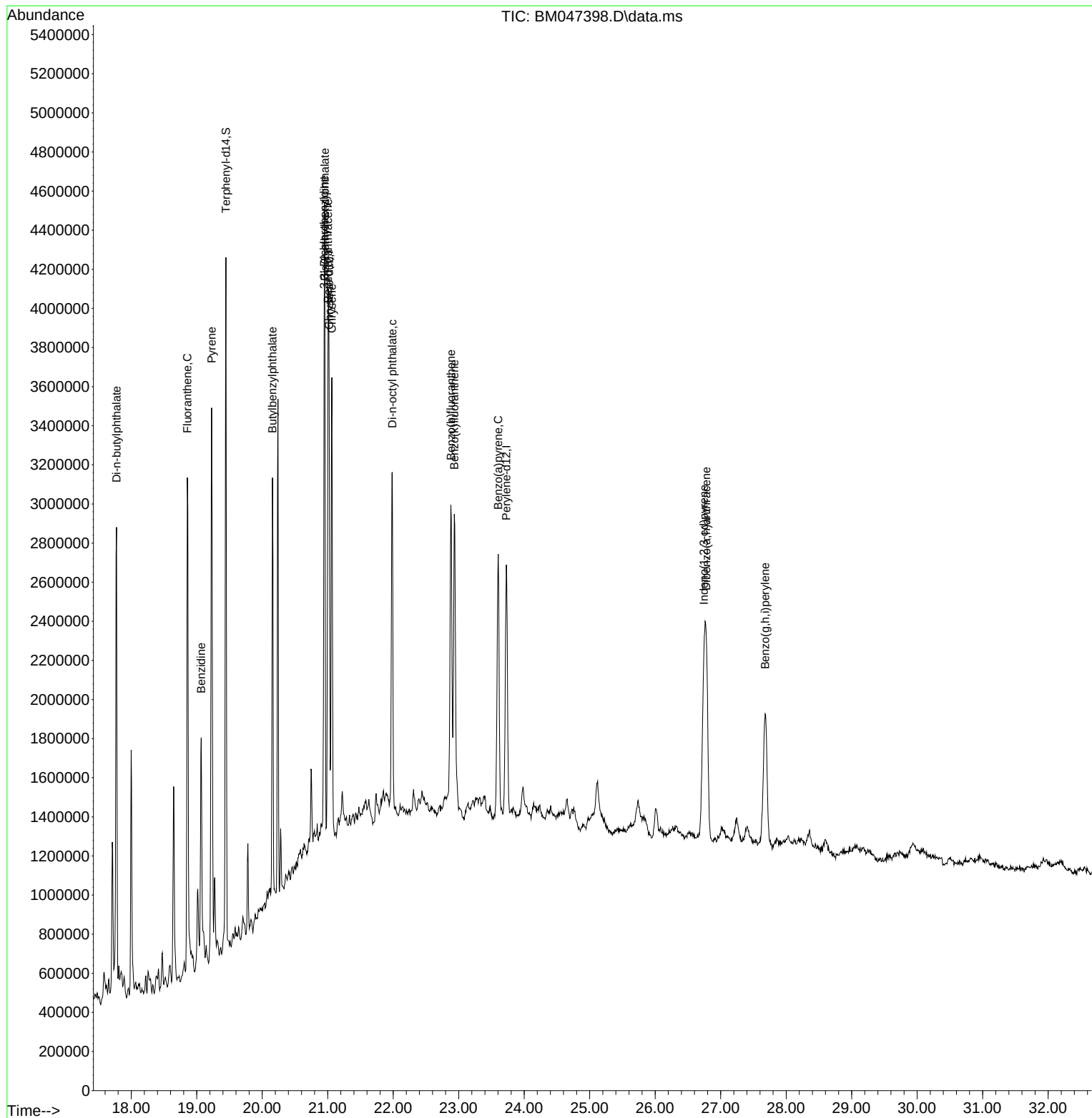
Quant Time: Aug 29 18:21:29 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 26 18:11:40 2024  
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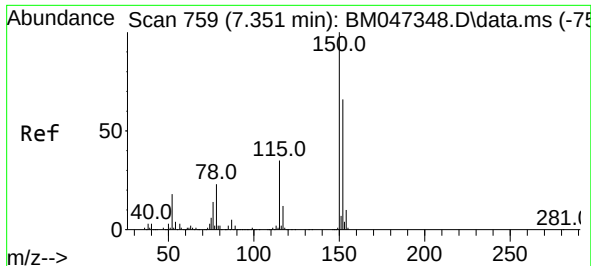


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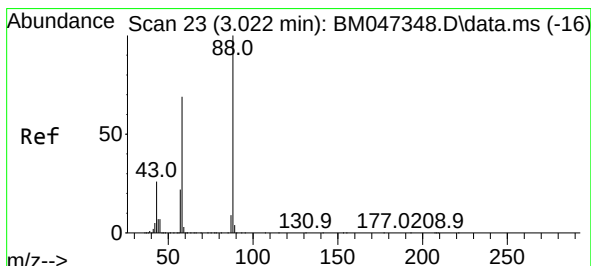
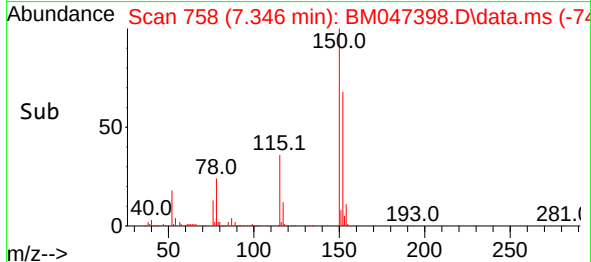
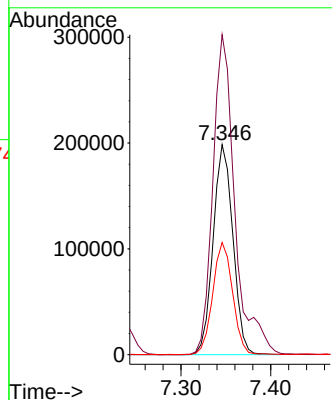
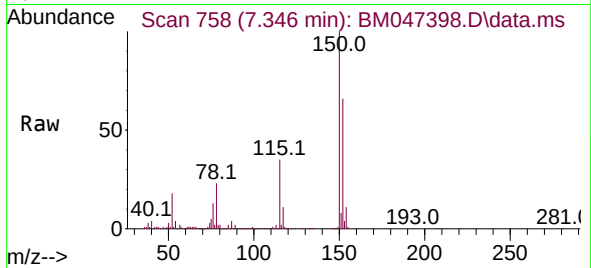




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.346 min Scan# 7  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
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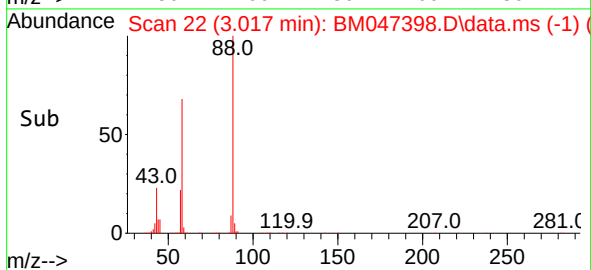
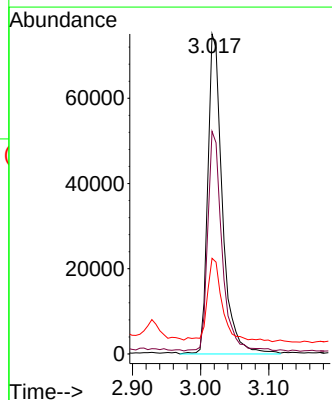
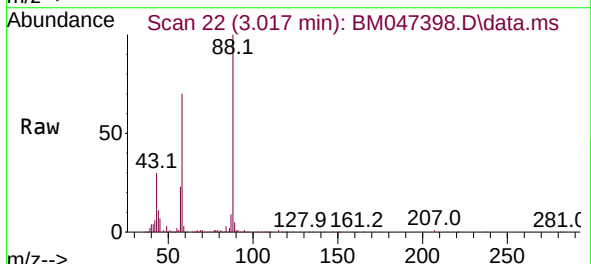
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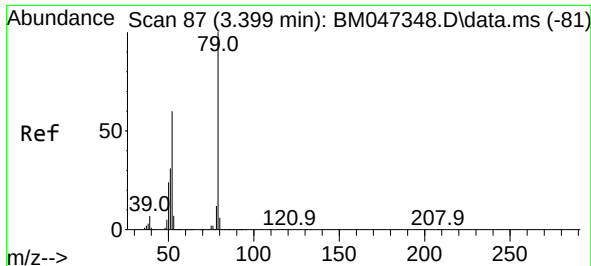
Tgt Ion:152 Resp: 304090  
Ion Ratio Lower Upper  
152 100  
150 152.3 121.3 181.9  
115 53.4 42.6 64.0



#2  
1,4-Dioxane  
Concen: 17.236 ng  
RT: 3.017 min Scan# 22  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 88 Resp: 111822  
Ion Ratio Lower Upper  
88 100  
58 66.8 55.4 83.0  
43 27.5 20.7 31.1

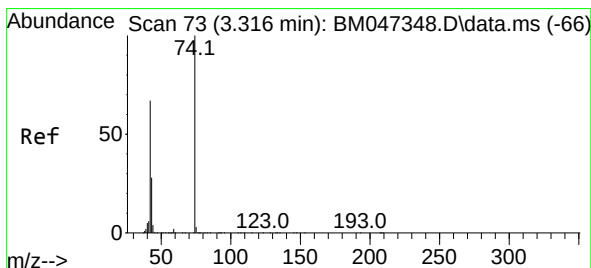
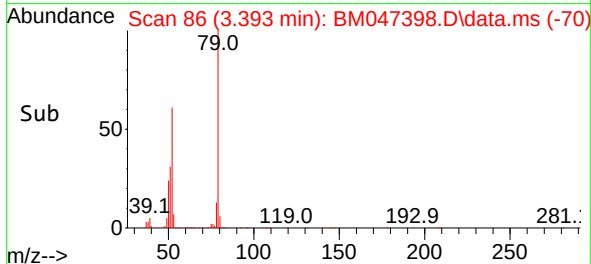
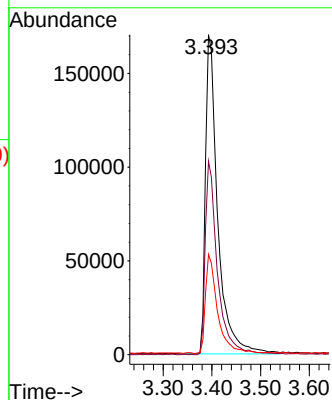
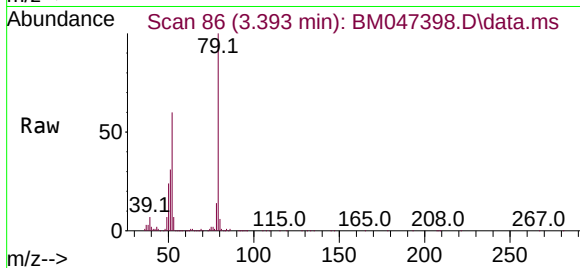




#3  
 Pyridine  
 Concen: 16.565 ng  
 RT: 3.393 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BM047398.D  
 Acq: 29 Aug 2024 17:45

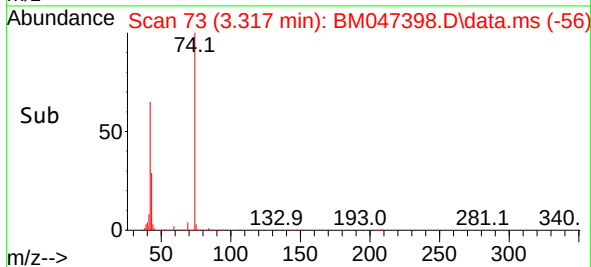
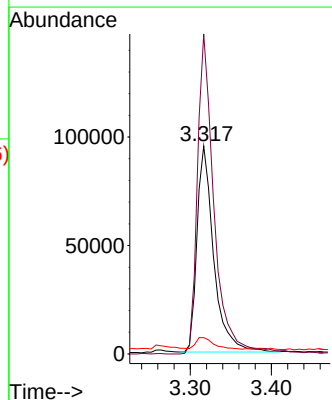
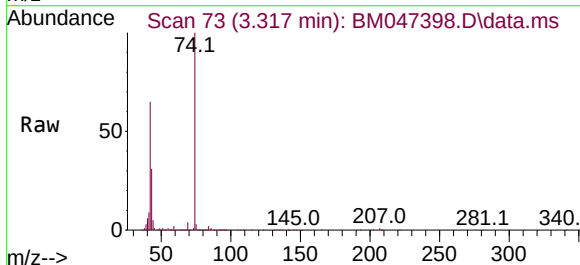
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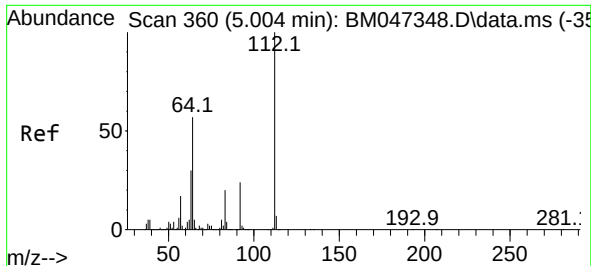
Tgt Ion: 79 Resp: 298275  
 Ion Ratio Lower Upper  
 79 100  
 52 60.5 47.8 71.6  
 51 31.3 25.0 37.4



#4  
 n-Nitrosodimethylamine  
 Concen: 18.651 ng  
 RT: 3.317 min Scan# 73  
 Delta R.T. 0.000 min  
 Lab File: BM047398.D  
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Tgt Ion: 42 Resp: 136771  
 Ion Ratio Lower Upper  
 42 100  
 74 153.9 119.2 178.8  
 44 7.9 5.2 7.8

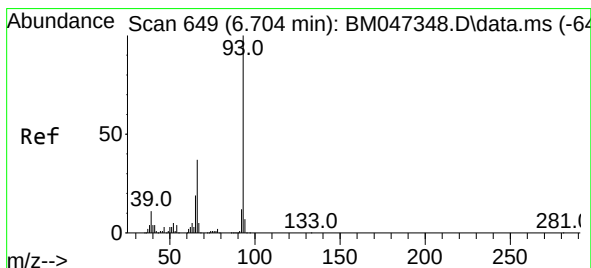
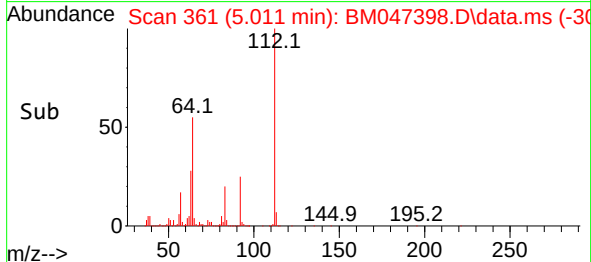
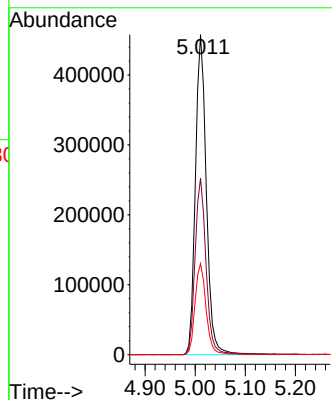
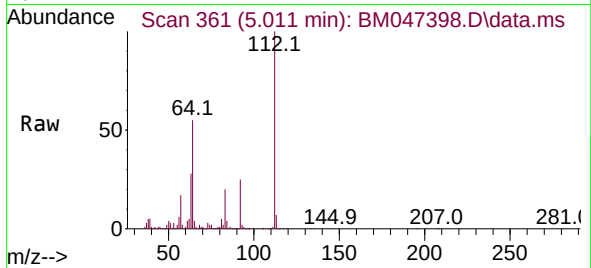




#5  
2-Fluorophenol  
Concen: 43.745 ng  
RT: 5.011 min Scan# 360  
Delta R.T. 0.006 min  
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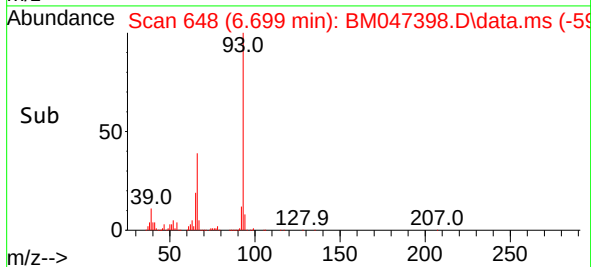
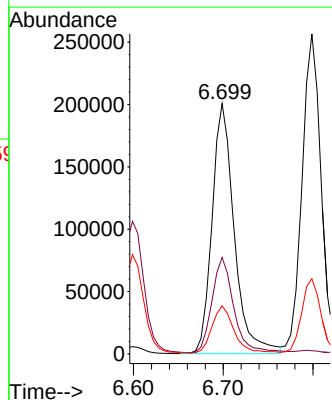
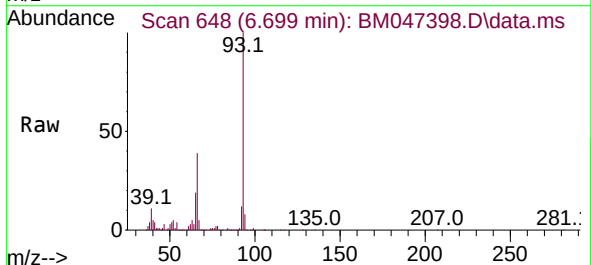
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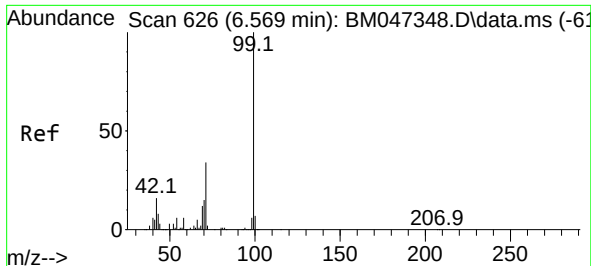
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 693350 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 55.1  | 45.7  | 68.5   |
| 63        | 28.4  | 23.8  | 35.8   |



#6  
Aniline  
Concen: 17.589 ng  
RT: 6.699 min Scan# 648  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 343964 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 38.5  | 30.0  | 45.0   |
| 65        | 19.2  | 15.5  | 23.3   |

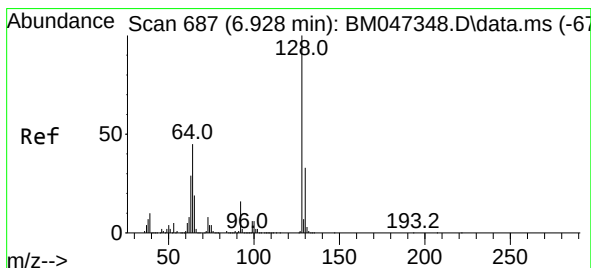
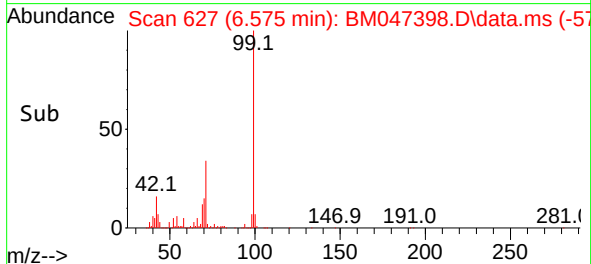
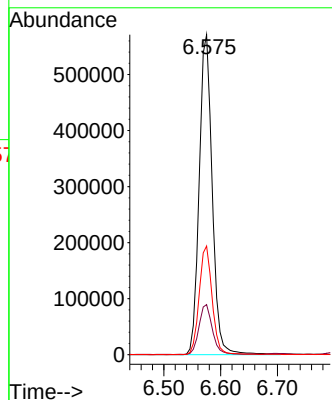
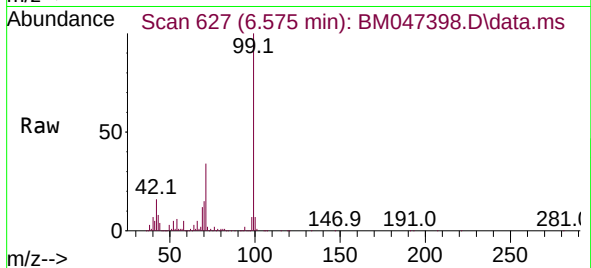




#7  
Phenol-d6  
Concen: 42.246 ng  
RT: 6.575 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

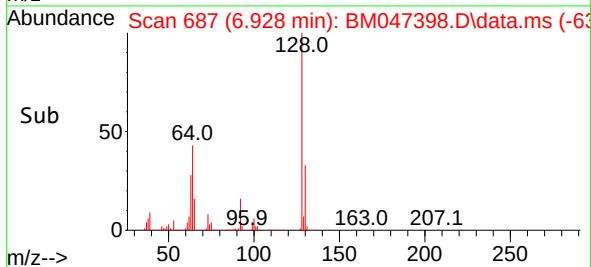
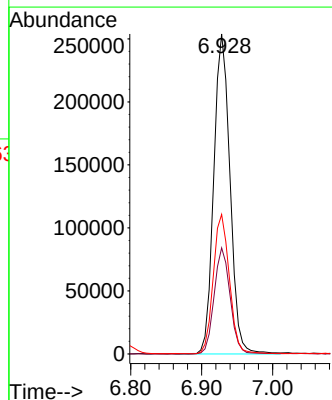
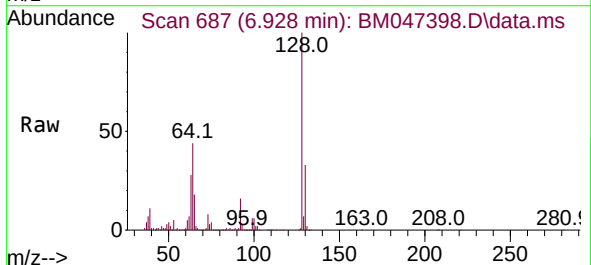
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

Tgt Ion: 99 Resp: 912156  
Ion Ratio Lower Upper  
99 100  
42 15.7 13.0 19.4  
71 33.9 27.5 41.3

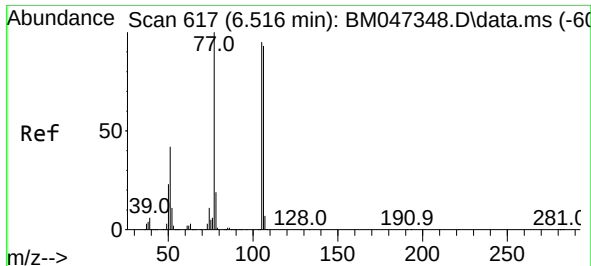


#8  
2-Chlorophenol  
Concen: 22.699 ng  
RT: 6.928 min Scan# 687  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 128 Resp: 402693  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.9 52.9  
64 43.6 25.3 65.3



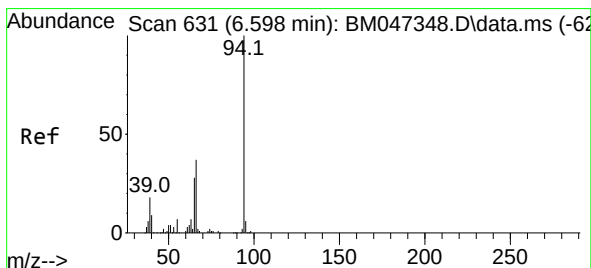
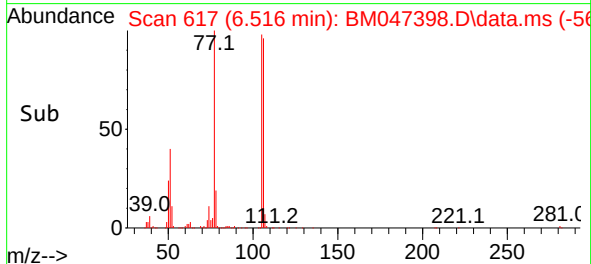
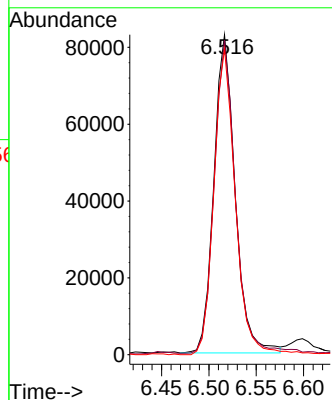
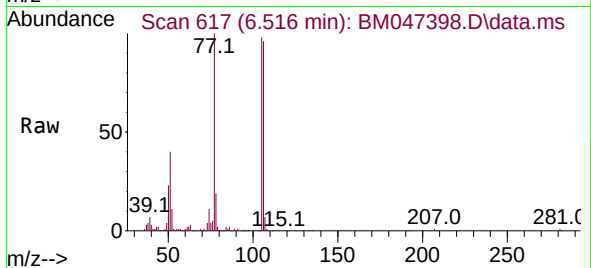




#9  
Benzaldehyde  
Concen: 8.372 ng  
RT: 6.516 min Scan# 617  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

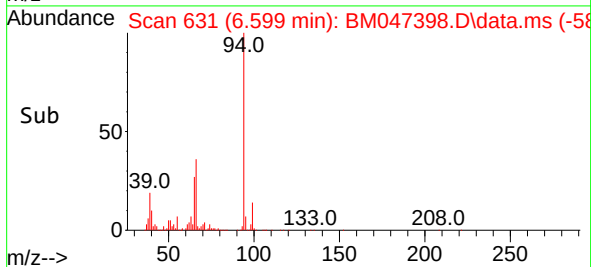
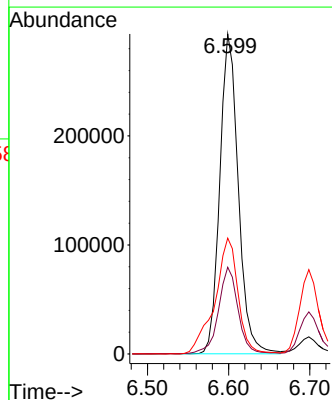
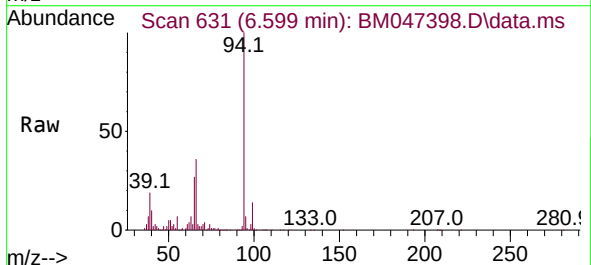
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

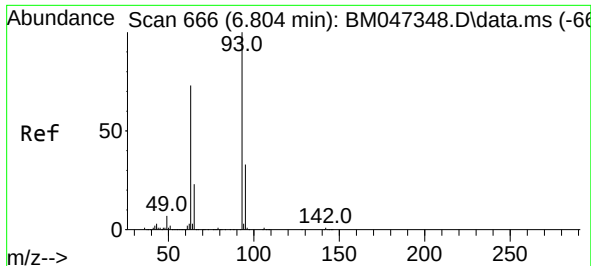
Tgt Ion: 77 Resp: 129091  
Ion Ratio Lower Upper  
77 100  
105 98.2 74.9 114.9  
106 95.5 72.6 112.6



#10  
Phenol  
Concen: 21.881 ng  
RT: 6.599 min Scan# 631  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 94 Resp: 464825  
Ion Ratio Lower Upper  
94 100  
65 27.1 7.9 47.9  
66 36.2 17.3 57.3

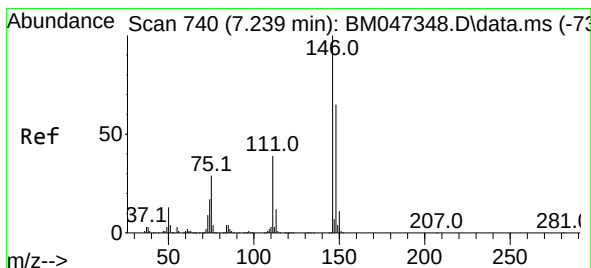
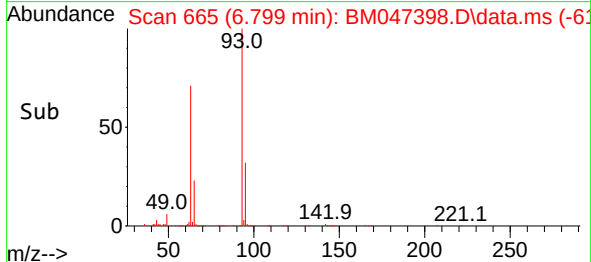
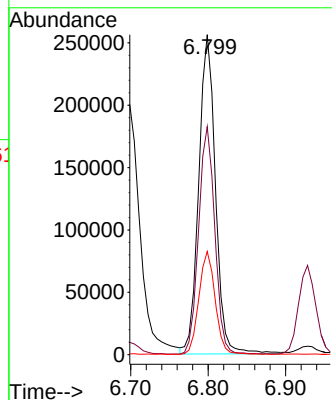
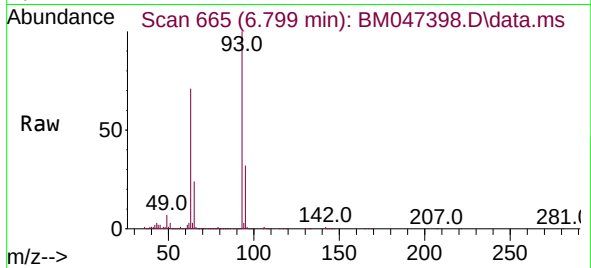




#11  
bis(2-Chloroethyl)ether  
Concen: 20.873 ng  
RT: 6.799 min Scan# 666  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

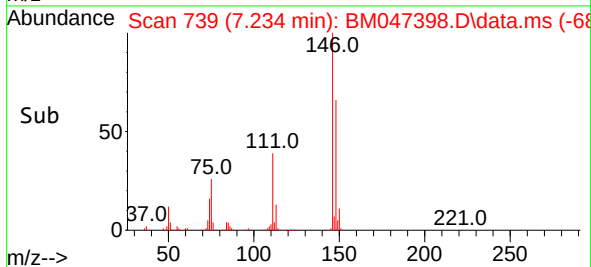
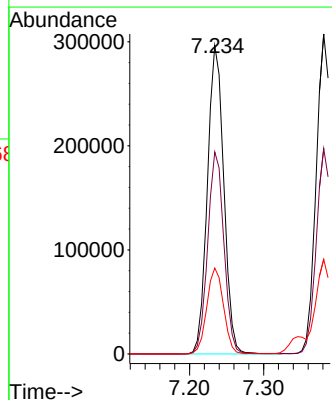
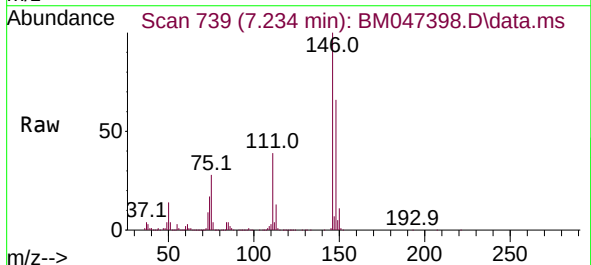
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

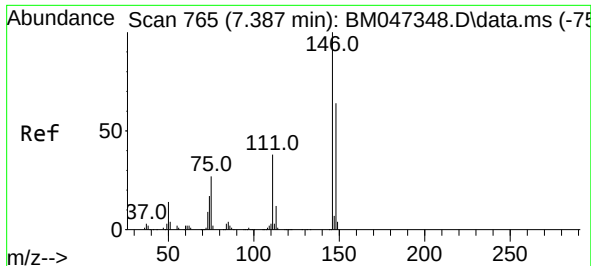
Tgt Ion: 93 Resp: 384250  
Ion Ratio Lower Upper  
93 100  
63 71.2 52.2 92.2  
95 32.2 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 20.998 ng  
RT: 7.234 min Scan# 739  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 146 Resp: 455531  
Ion Ratio Lower Upper  
146 100  
148 65.5 51.6 77.4  
75 27.9 23.3 34.9

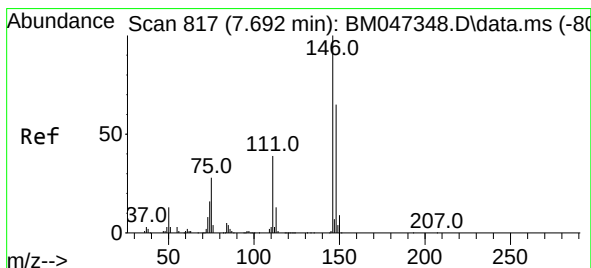
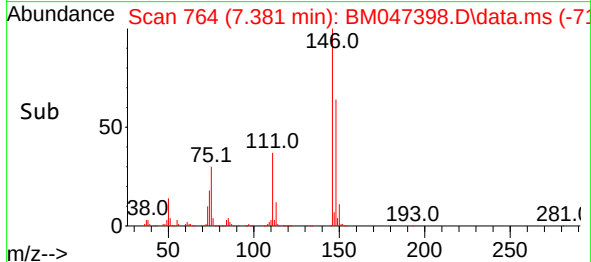
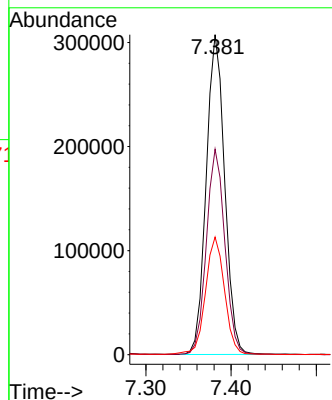
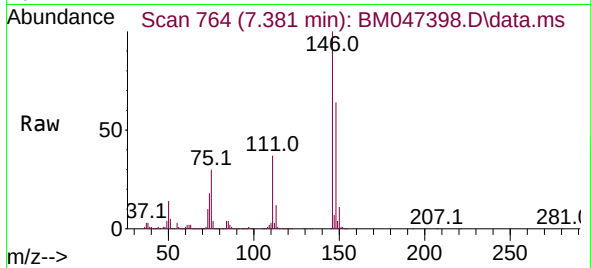




#13  
1,4-Dichlorobenzene  
Concen: 21.019 ng  
RT: 7.381 min Scan# 764  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

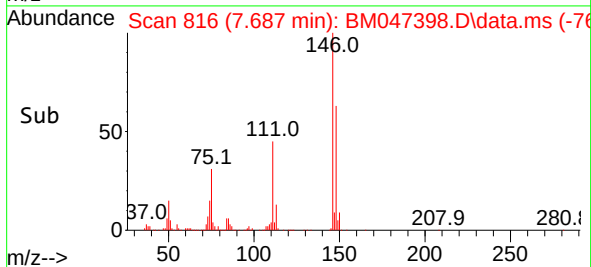
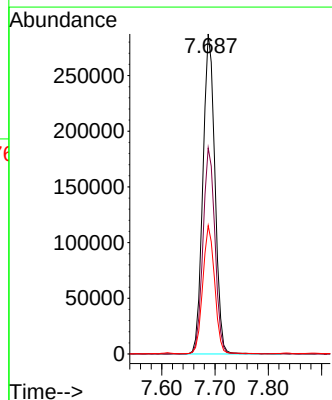
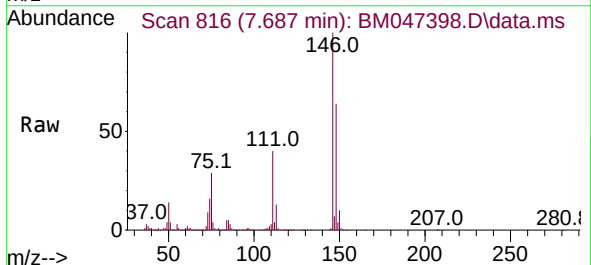
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

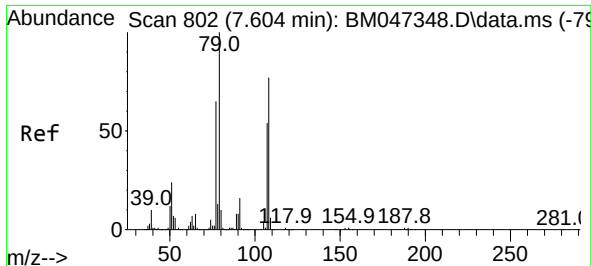
Tgt Ion:146 Resp: 461800  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.6  
111 36.8 30.2 45.2



#14  
1,2-Dichlorobenzene  
Concen: 21.595 ng  
RT: 7.687 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:146 Resp: 449620  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.8 77.6  
111 40.1 31.7 47.5

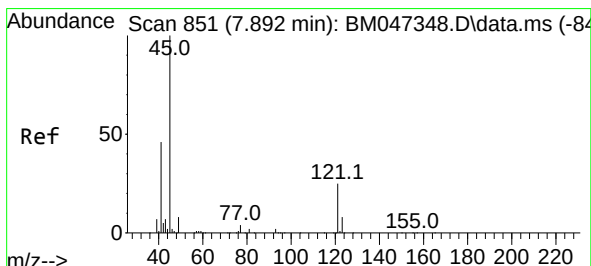
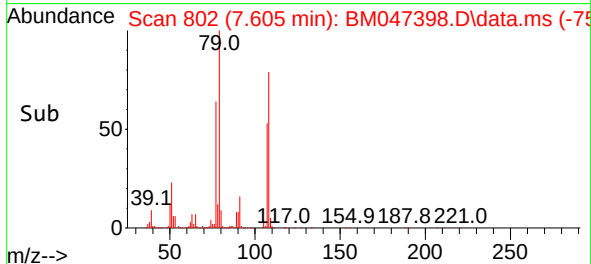
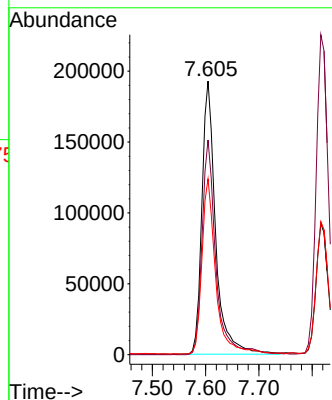
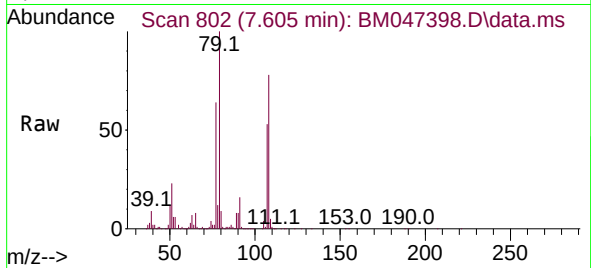




#15  
Benzyl Alcohol  
Concen: 23.073 ng  
RT: 7.605 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

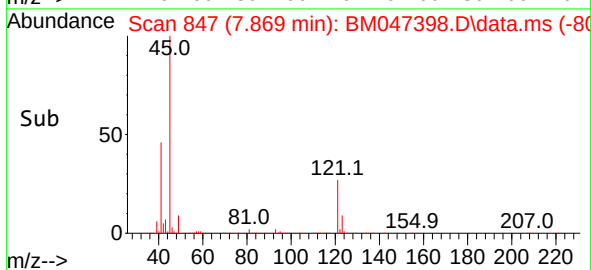
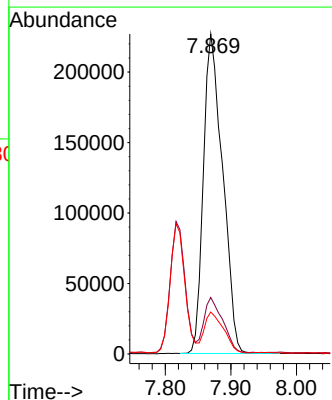
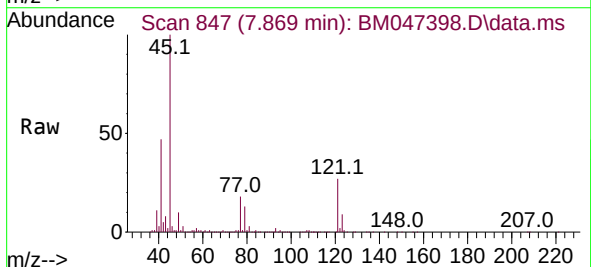
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

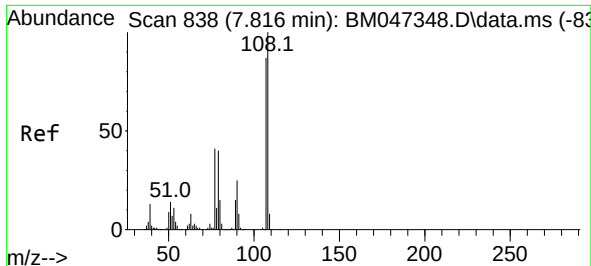
Tgt Ion: 79 Resp: 345381  
Ion Ratio Lower Upper  
79 100  
108 78.5 61.1 91.7  
77 64.3 51.9 77.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 20.987 ng  
RT: 7.869 min Scan# 847  
Delta R.T. -0.023 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 45 Resp: 463256  
Ion Ratio Lower Upper  
45 100  
77 17.6 0.0 36.7  
79 13.1 0.0 33.0

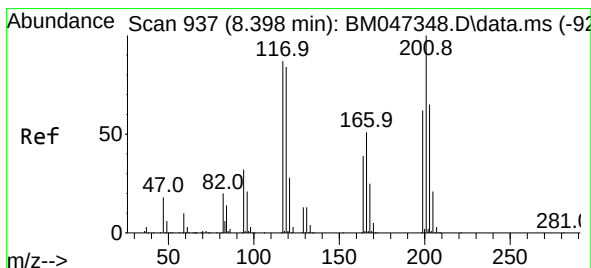
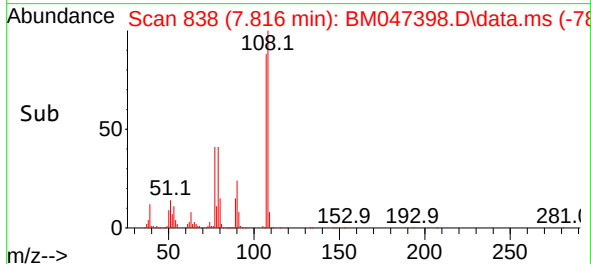
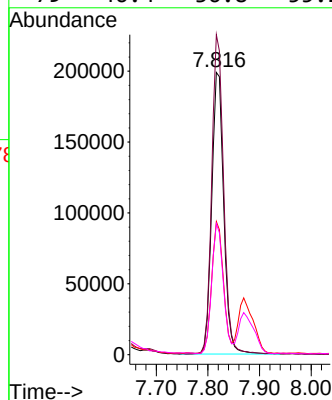
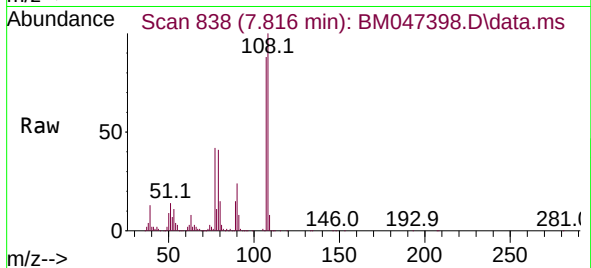




#17  
2-Methylphenol  
Concen: 21.821 ng  
RT: 7.816 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

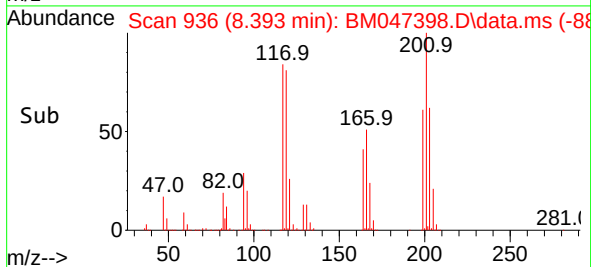
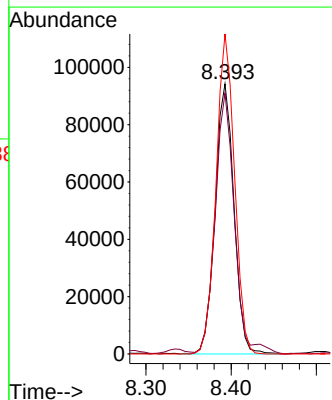
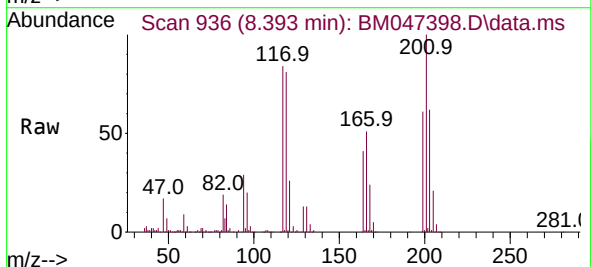
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

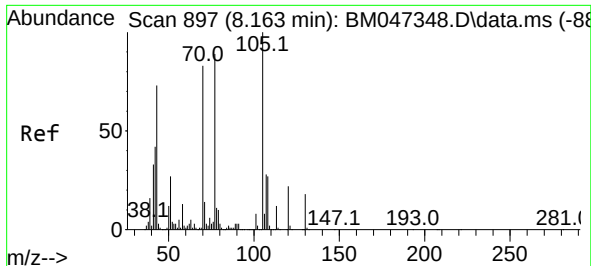
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 322065 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.4 | 91.6  | 137.4  |
| 77       | 47.2  | 38.0  | 57.0   |
| 79       | 46.4  | 36.8  | 55.2   |



#18  
Hexachloroethane  
Concen: 17.608 ng  
RT: 8.393 min Scan# 936  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 144615 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.6  | 77.8  | 116.8  |
| 201      | 118.5 | 92.3  | 138.5  |

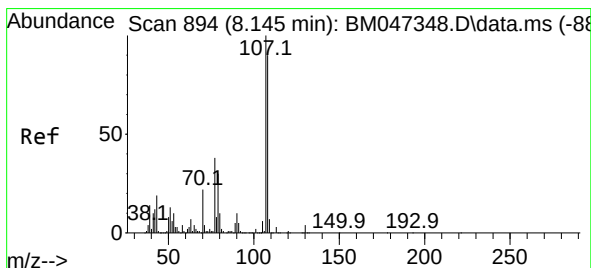
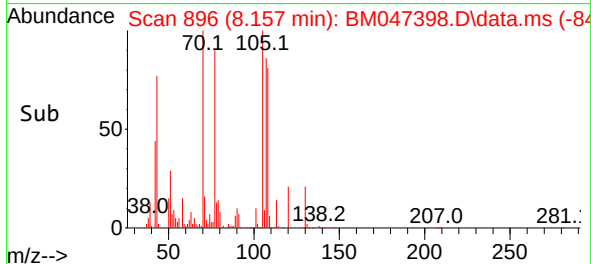
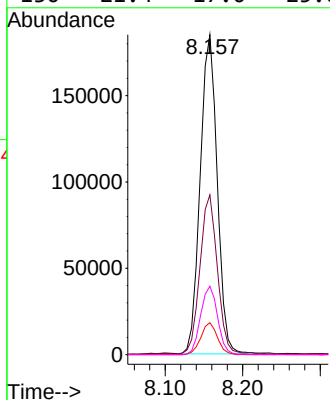
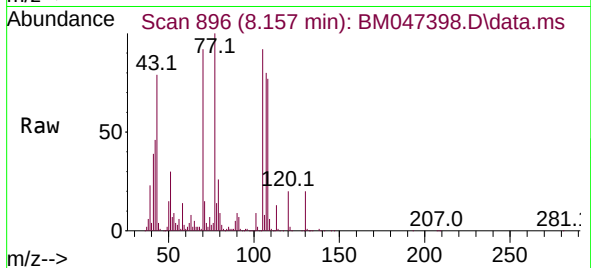




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.984 ng  
RT: 8.157 min Scan# 896  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

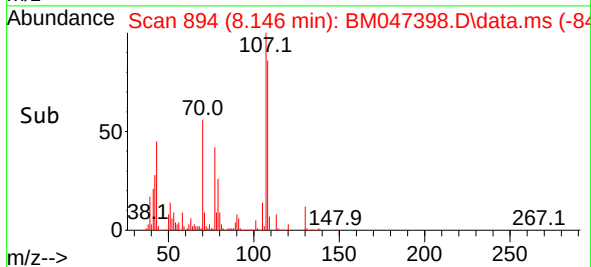
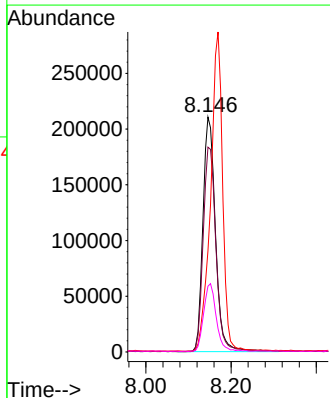
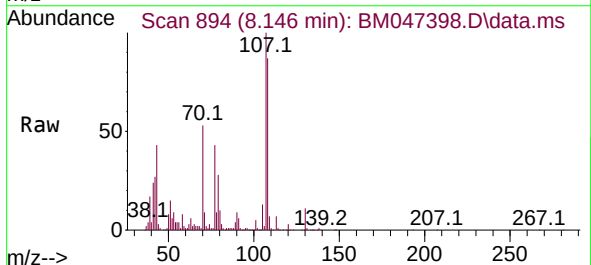
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

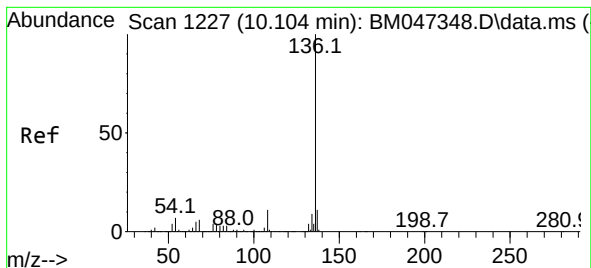
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 70    | Resp: | 281769 |
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 49.9  | 41.0  | 61.4   |
| 101       | 10.0  | 7.9   | 11.9   |
| 130       | 21.4  | 17.0  | 25.6   |



#20  
3+4-Methylphenols  
Concen: 20.992 ng  
RT: 8.146 min Scan# 894  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 430766 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 87.2  | 69.8  | 109.8  |
| 77        | 43.1  | 18.0  | 58.0   |
| 79        | 28.0  | 9.8   | 49.8   |

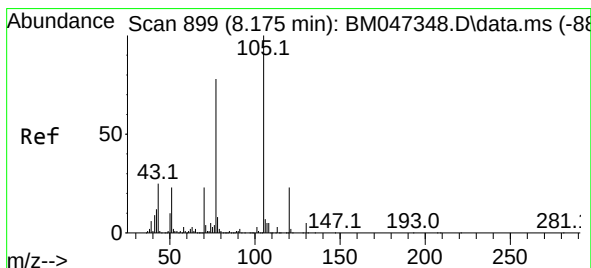
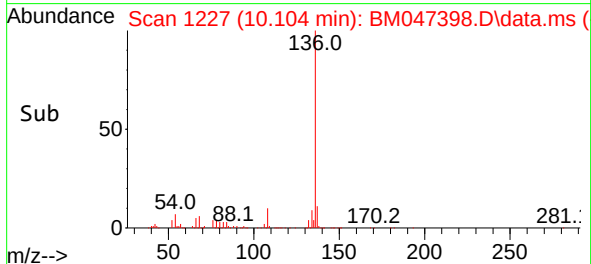
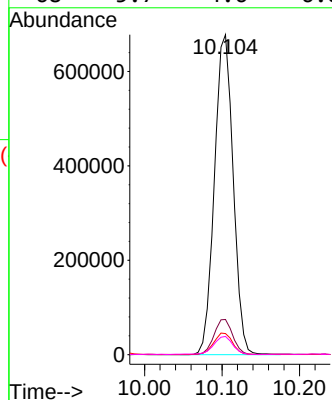
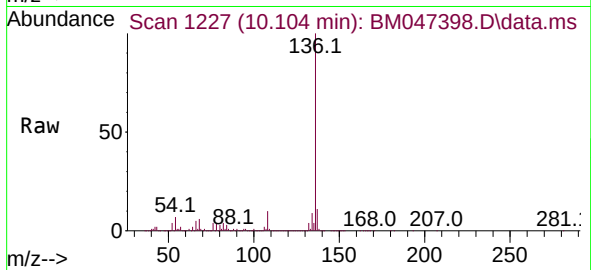




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.104 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

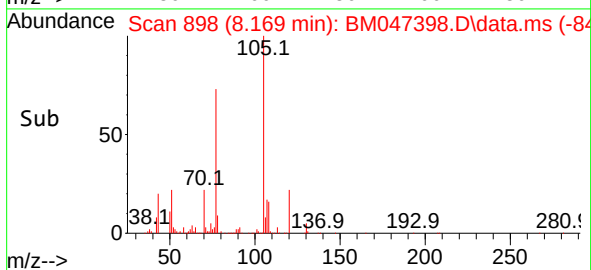
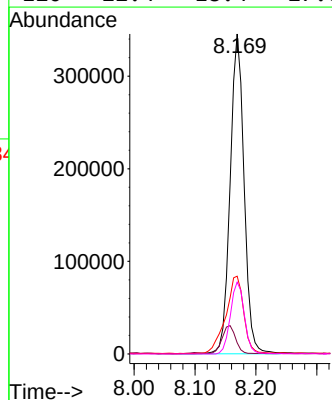
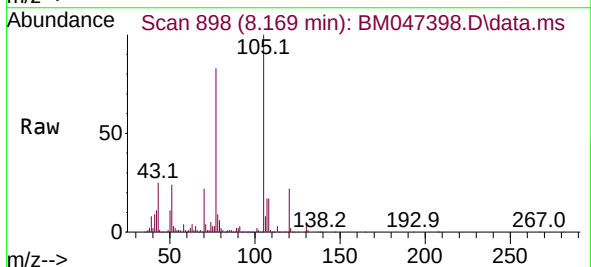
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

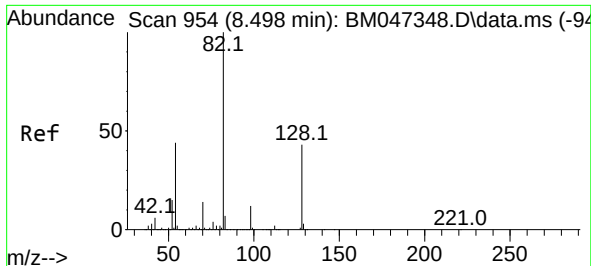
Tgt Ion:136 Resp: 1137395  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 6.6 5.2 7.8  
68 5.7 4.6 6.8



#22  
Acetophenone  
Concen: 20.836 ng  
RT: 8.169 min Scan# 898  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:105 Resp: 550006  
Ion Ratio Lower Upper  
105 100  
71 3.5 3.1 4.7  
51 24.3 18.7 28.1  
120 22.4 18.4 27.6

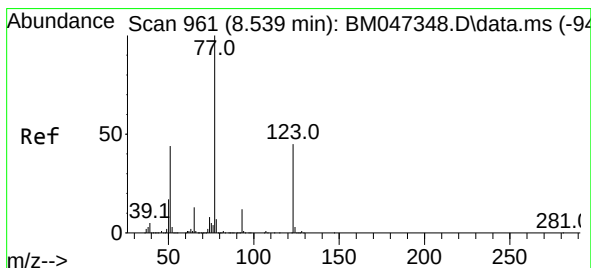
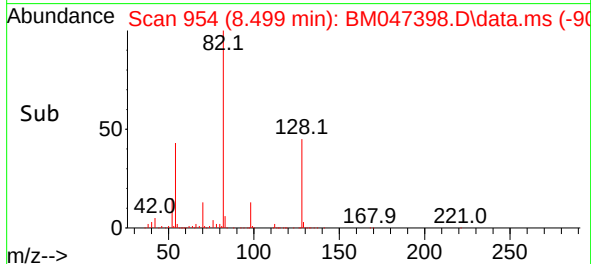
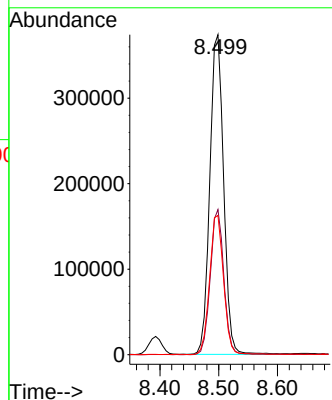
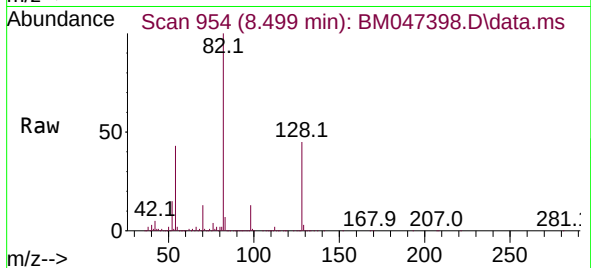




#23  
Nitrobenzene-d5  
Concen: 29.871 ng  
RT: 8.499 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

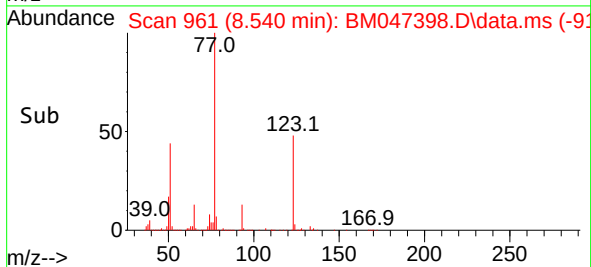
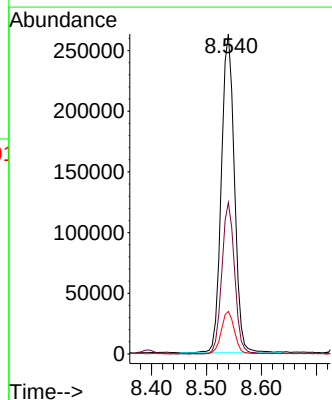
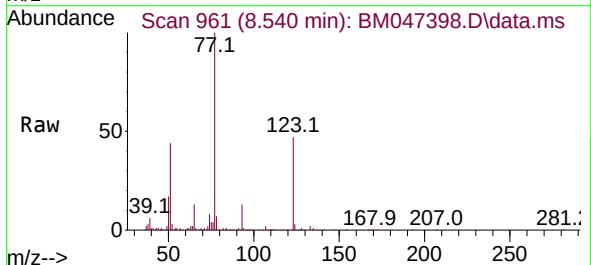
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

Tgt Ion: 82 Resp: 612327  
Ion Ratio Lower Upper  
82 100  
128 45.3 34.6 51.8  
54 43.5 35.5 53.3

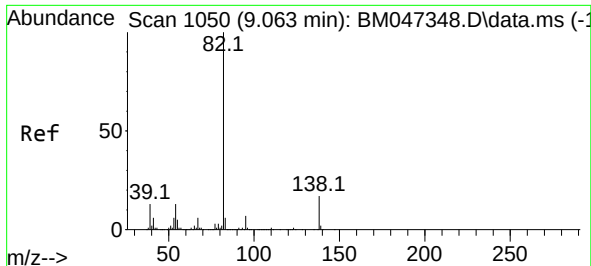


#24  
Nitrobenzene  
Concen: 20.609 ng  
RT: 8.540 min Scan# 961  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 77 Resp: 434490  
Ion Ratio Lower Upper  
77 100  
123 47.3 35.6 53.4  
65 13.3 10.5 15.7



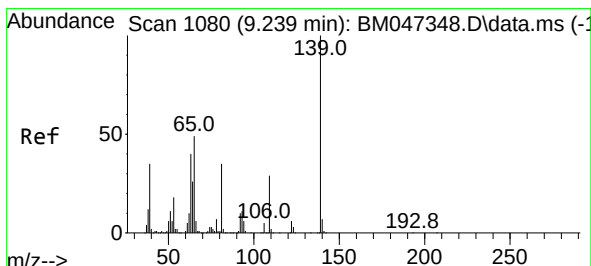
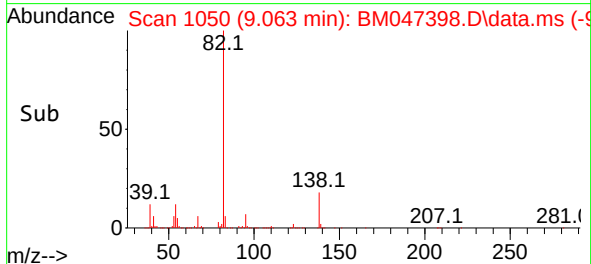
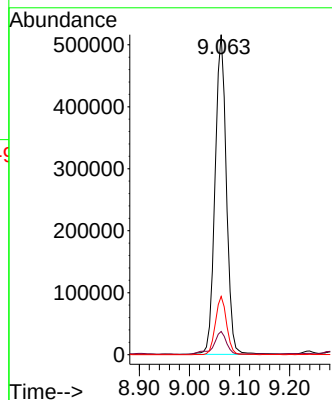
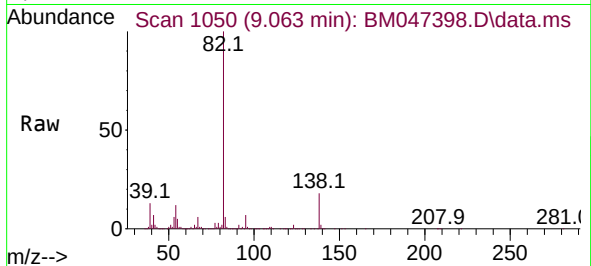




#25  
Isophorone  
Concen: 20.836 ng  
RT: 9.063 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

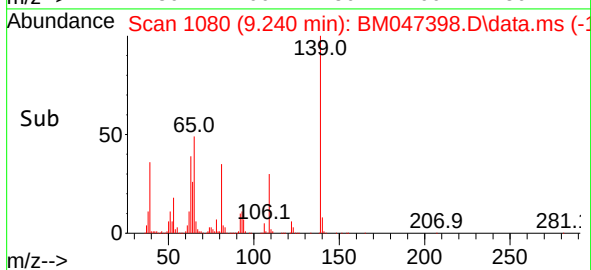
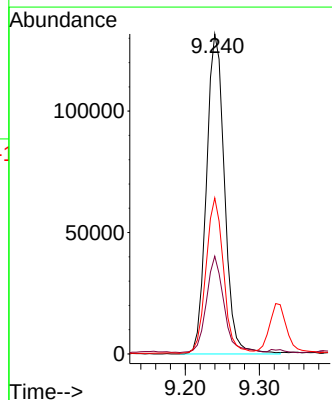
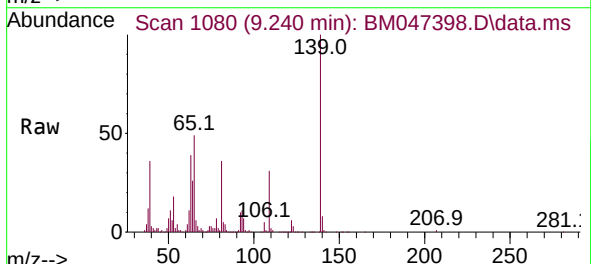
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

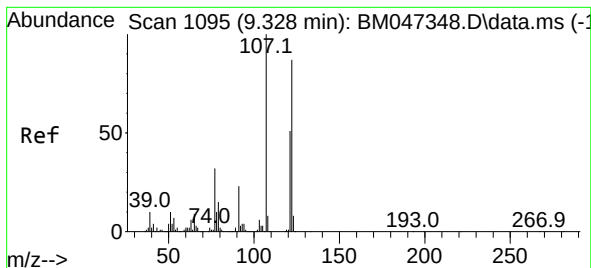
Tgt Ion: 82 Resp: 807243  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 18.2 13.9 20.9



#26  
2-Nitrophenol  
Concen: 21.471 ng  
RT: 9.240 min Scan# 1080  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:139 Resp: 222663  
Ion Ratio Lower Upper  
139 100  
109 30.6 23.4 35.0  
65 48.8 39.6 59.4





#27

2,4-Dimethylphenol

Concen: 27.709 ng

RT: 9.328 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

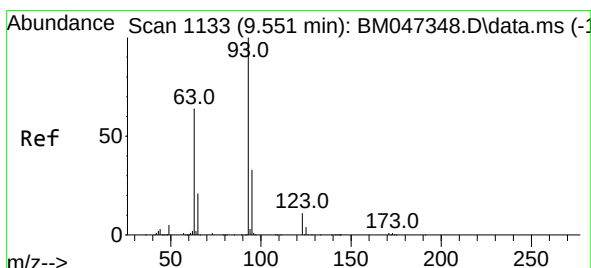
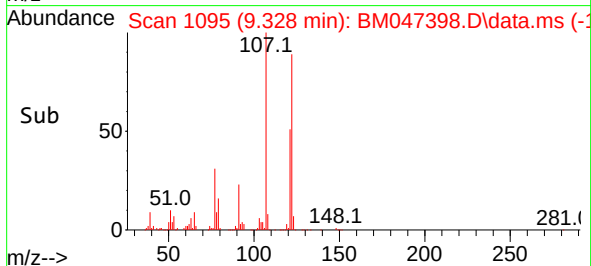
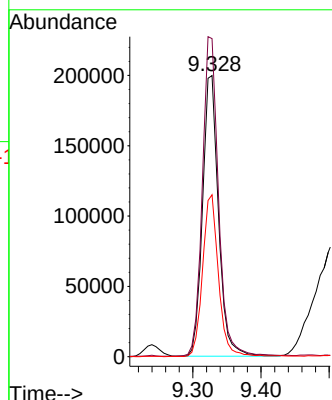
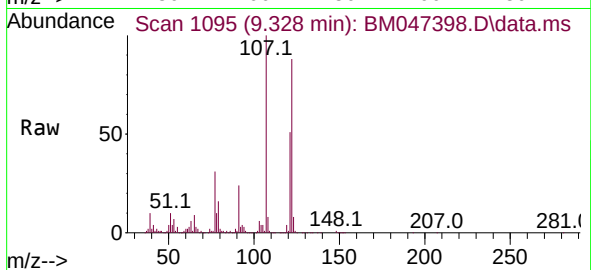
Tgt Ion:122 Resp: 324351

Ion Ratio Lower Upper

122 100

107 113.1 91.9 137.9

121 57.6 47.0 70.6



#28

bis(2-Chloroethoxy)methane

Concen: 20.883 ng

RT: 9.546 min Scan# 1132

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

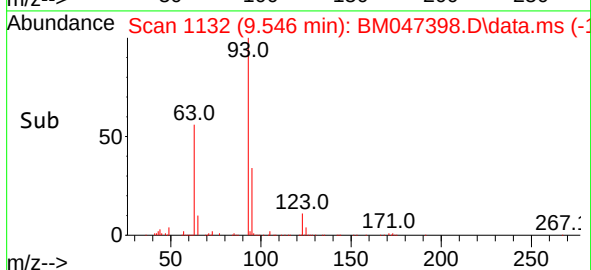
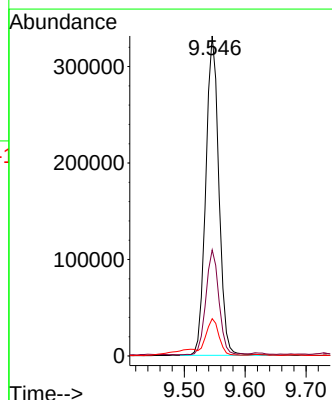
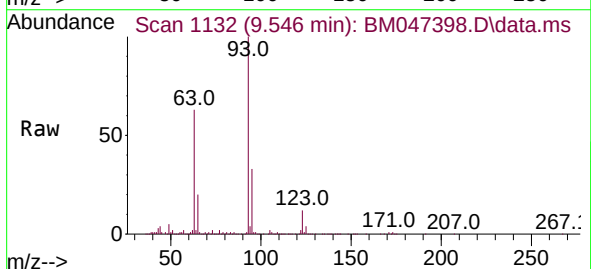
Tgt Ion: 93 Resp: 495433

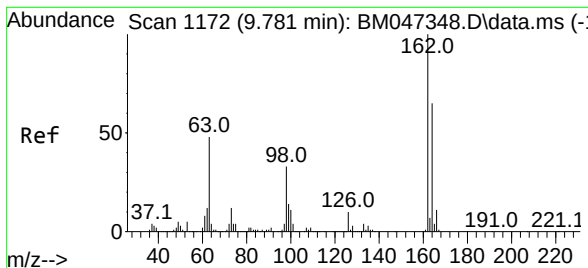
Ion Ratio Lower Upper

93 100

95 33.2 26.6 39.8

123 11.6 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 23.167 ng

RT: 9.787 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

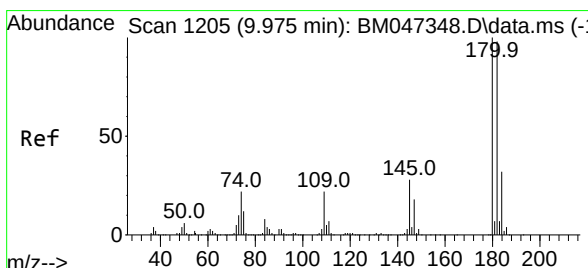
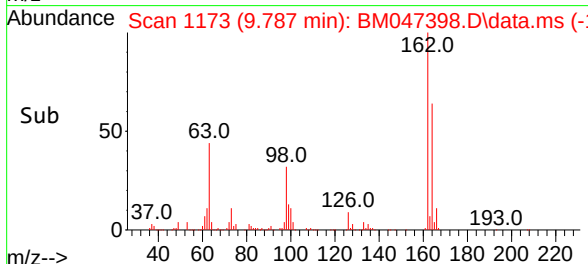
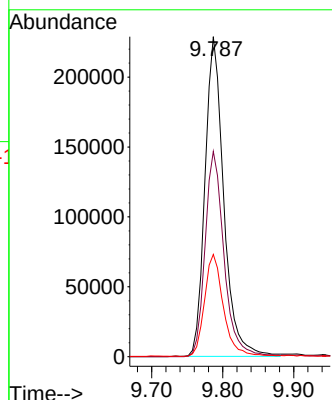
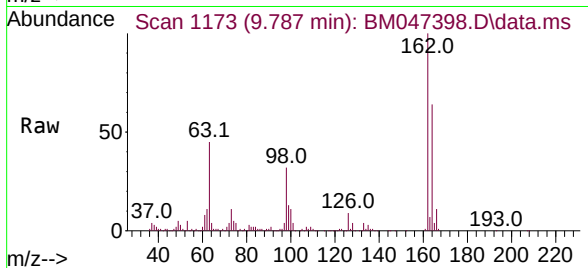
Tgt Ion:162 Resp: 420676

Ion Ratio Lower Upper

162 100

164 64.2 44.6 84.6

98 32.0 13.2 53.2



#30

1,2,4-Trichlorobenzene

Concen: 21.592 ng

RT: 9.975 min Scan# 1205

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

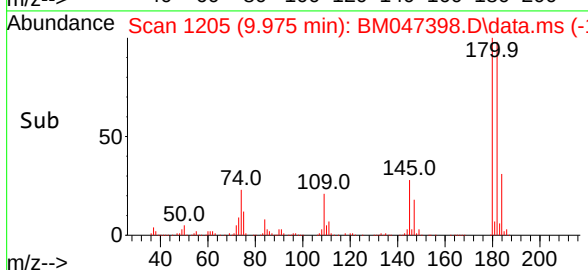
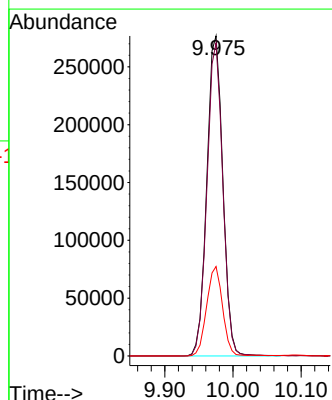
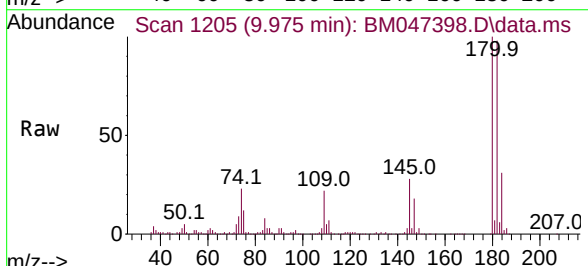
Tgt Ion:180 Resp: 452856

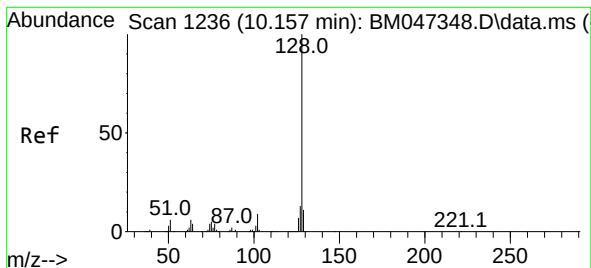
Ion Ratio Lower Upper

180 100

182 97.8 78.2 117.2

145 28.0 22.3 33.5





#31

Naphthalene

Concen: 21.616 ng

RT: 10.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

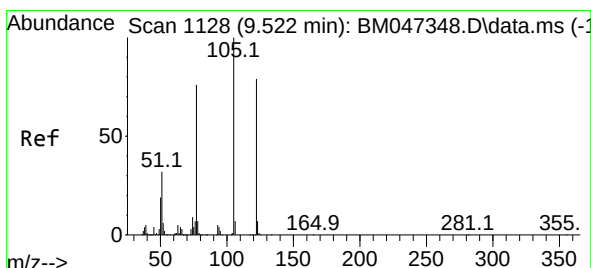
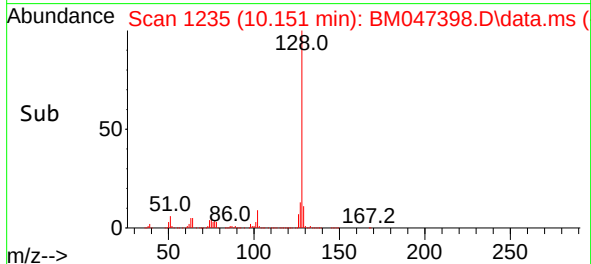
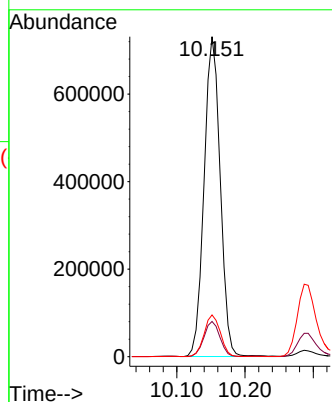
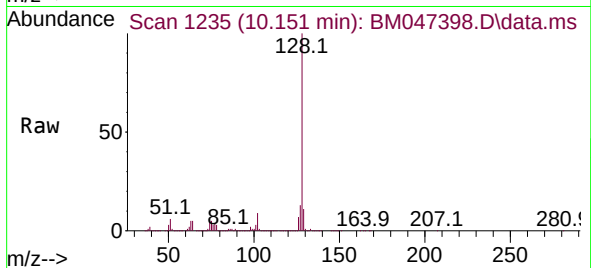
Tgt Ion:128 Resp: 1200824

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 18.105 ng

RT: 9.510 min Scan# 1126

Delta R.T. -0.012 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

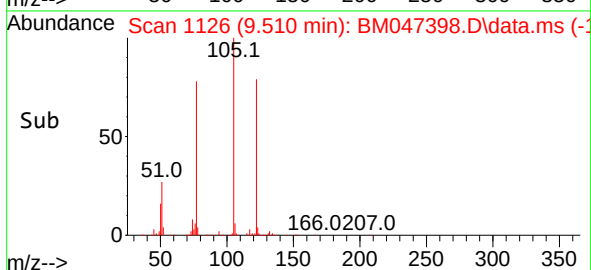
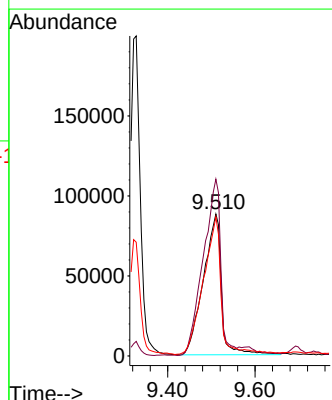
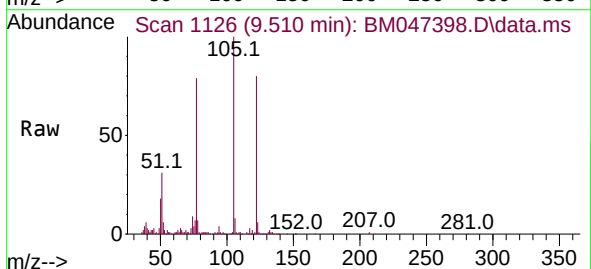
Tgt Ion:122 Resp: 253066

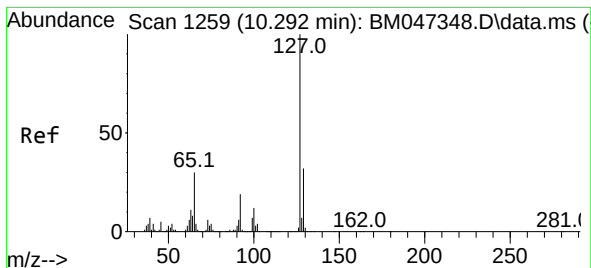
Ion Ratio Lower Upper

122 100

105 124.5 106.0 146.0

77 98.0 76.3 116.3





#33

4-Chloroaniline

Concen: 16.475 ng

RT: 10.287 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

Tgt Ion:127 Resp: 340300

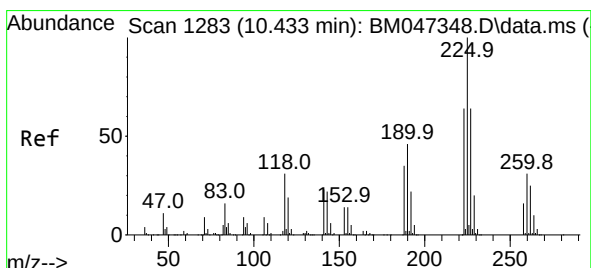
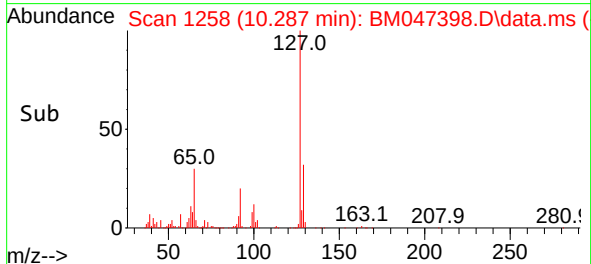
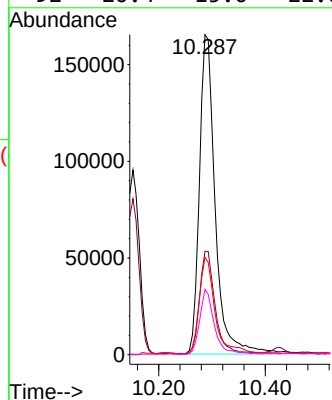
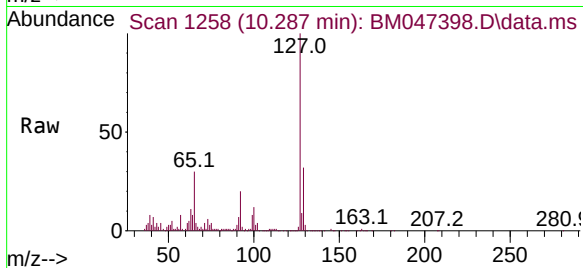
Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.8

65 30.4 24.2 36.2

92 20.4 15.0 22.6



#34

Hexachlorobutadiene

Concen: 22.403 ng

RT: 10.428 min Scan# 1282

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

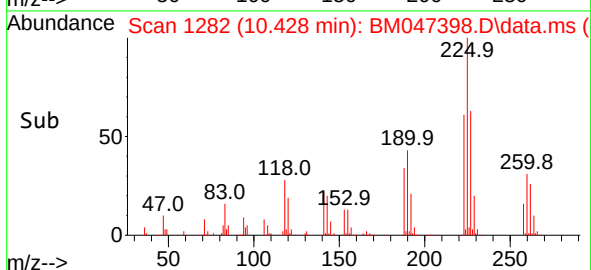
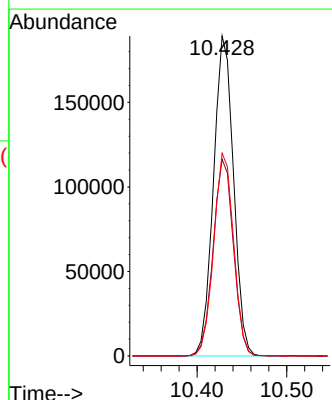
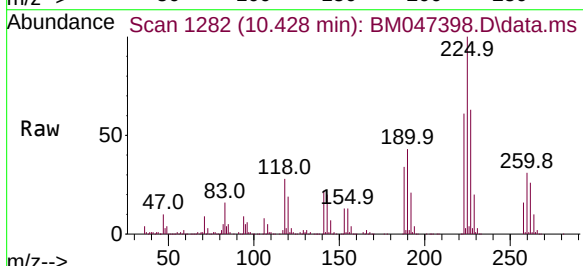
Tgt Ion:225 Resp: 293446

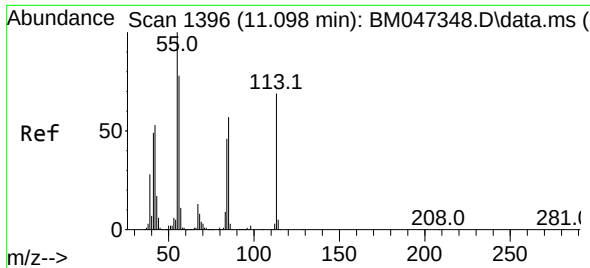
Ion Ratio Lower Upper

225 100

223 61.5 51.1 76.7

227 63.3 51.0 76.6

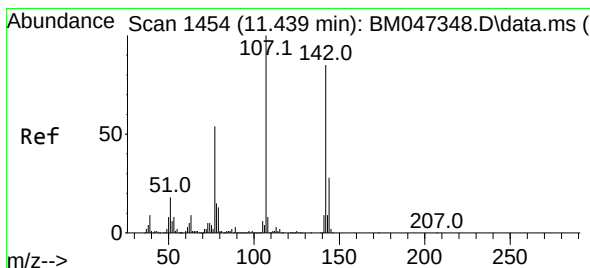
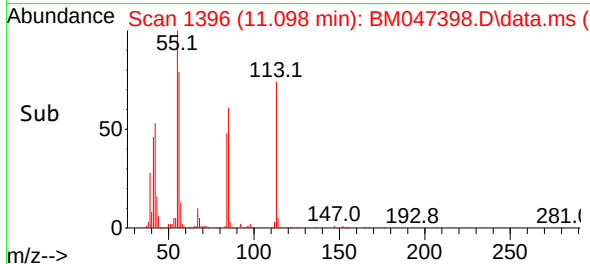
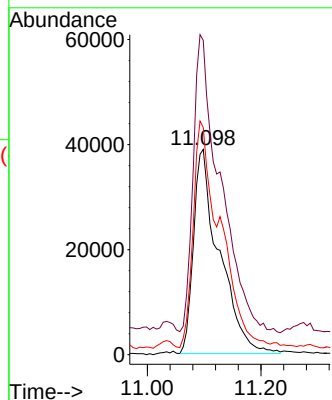
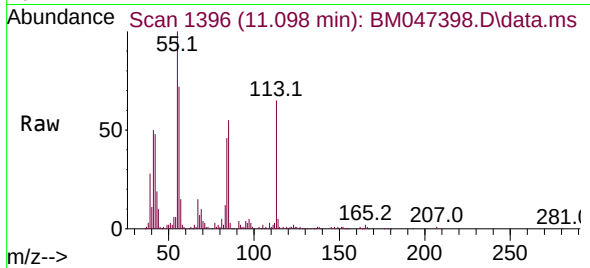




#35  
 Caprolactam  
 Concen: 20.827 ng  
 RT: 11.098 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BM047398.D  
 Acq: 29 Aug 2024 17:45

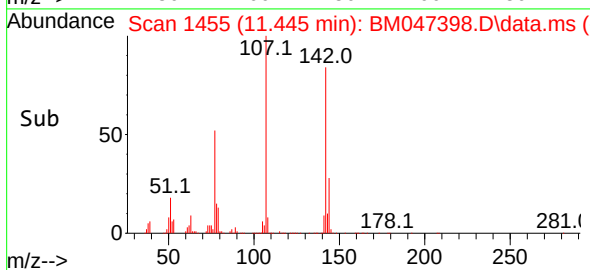
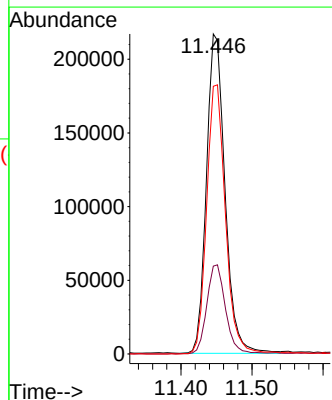
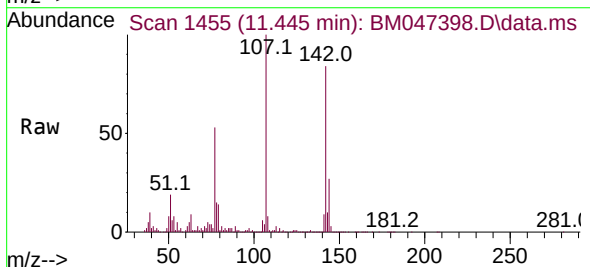
Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-06-082824MSD

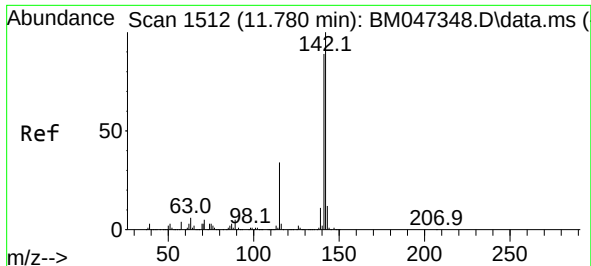
Tgt Ion:113 Resp: 122508  
 Ion Ratio Lower Upper  
 113 100  
 55 153.2 126.2 166.2  
 56 110.7 93.2 133.2



#36  
 4-Chloro-3-methylphenol  
 Concen: 21.419 ng  
 RT: 11.445 min Scan# 1455  
 Delta R.T. 0.006 min  
 Lab File: BM047398.D  
 Acq: 29 Aug 2024 17:45

Tgt Ion:107 Resp: 394955  
 Ion Ratio Lower Upper  
 107 100  
 144 27.5 22.2 33.4  
 142 83.7 67.7 101.5

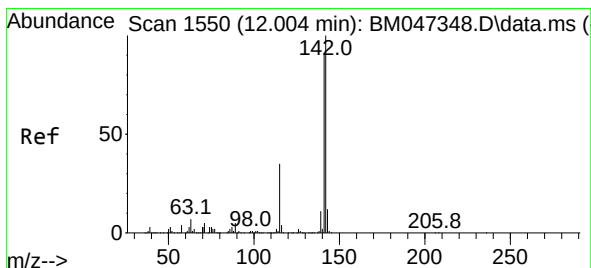
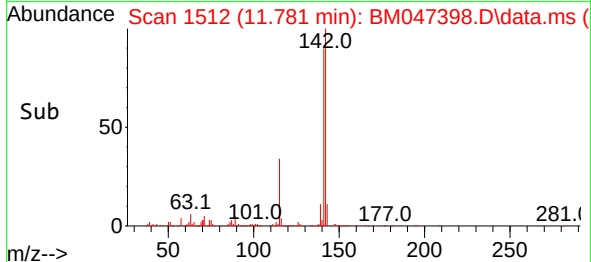
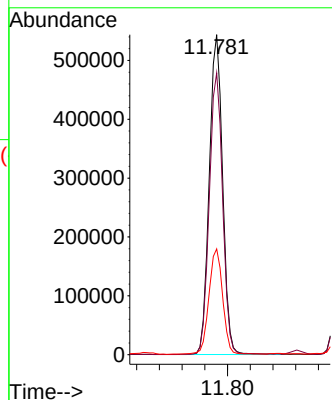
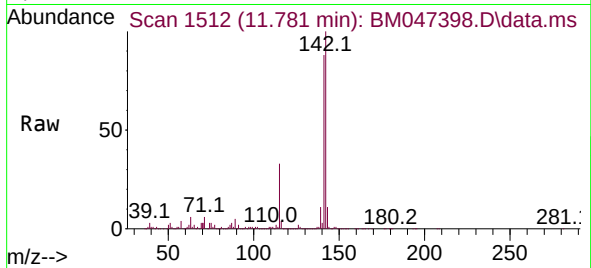




#37  
2-Methylnaphthalene  
Concen: 21.782 ng  
RT: 11.781 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

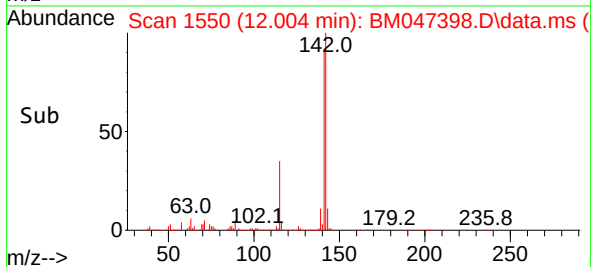
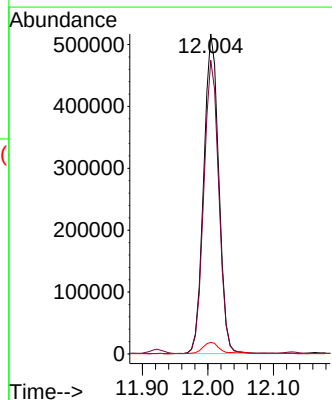
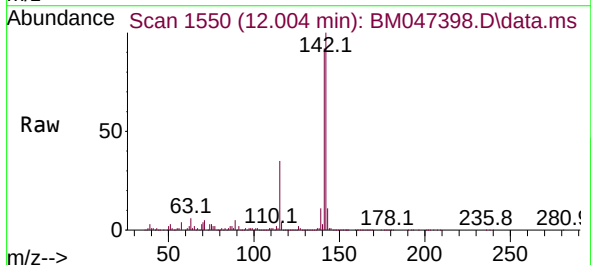
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

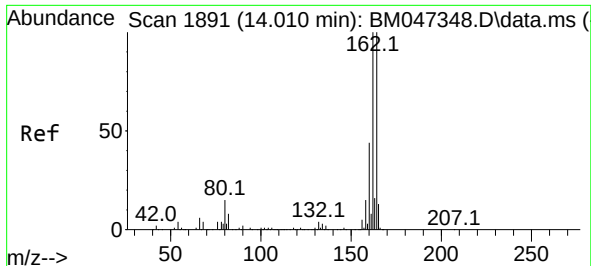
Tgt Ion:142 Resp: 882286  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.8 106.2  
115 33.1 27.5 41.3



#38  
1-Methylnaphthalene  
Concen: 20.600 ng  
RT: 12.004 min Scan# 1550  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:142 Resp: 825234  
Ion Ratio Lower Upper  
142 100  
141 91.7 72.9 109.3  
116 3.7 3.0 4.6

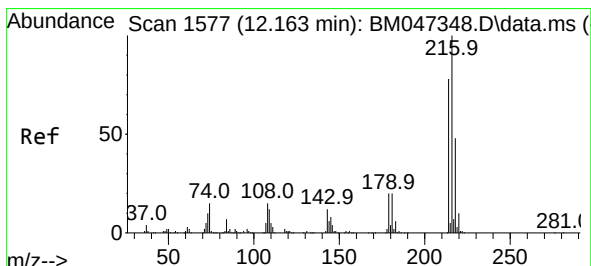
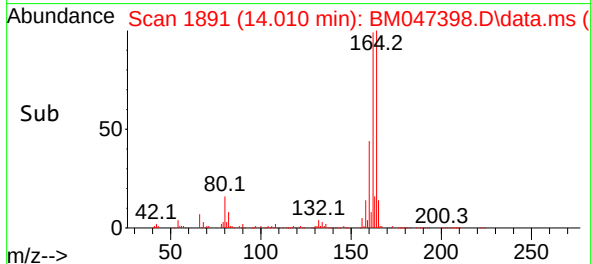
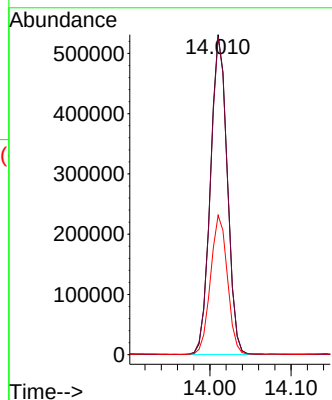
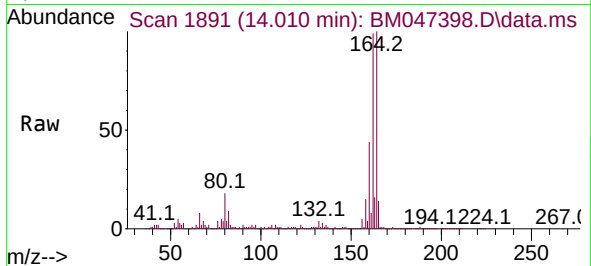




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.010 min Scan# 1891  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

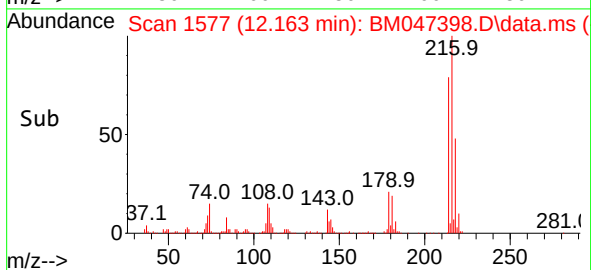
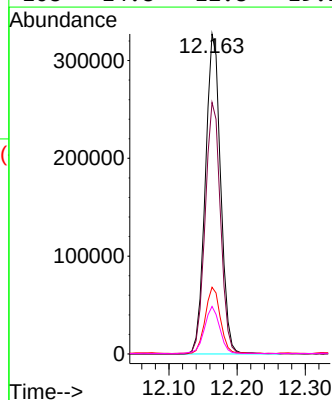
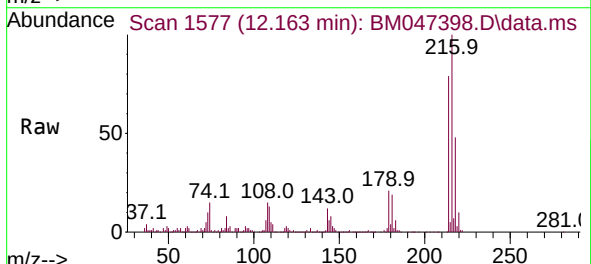
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

Tgt Ion:164 Resp: 760325  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.7 119.5  
160 43.6 34.9 52.3

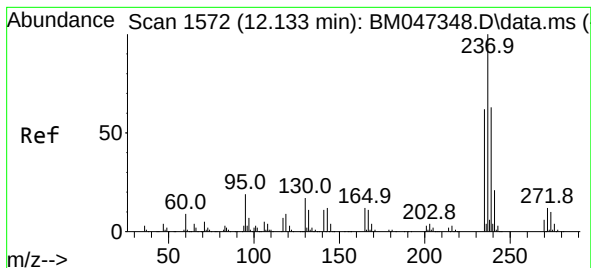


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 22.628 ng  
RT: 12.163 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:216 Resp: 509452  
Ion Ratio Lower Upper  
216 100  
214 79.0 62.6 94.0  
179 20.4 16.6 24.8  
108 14.8 12.8 19.2

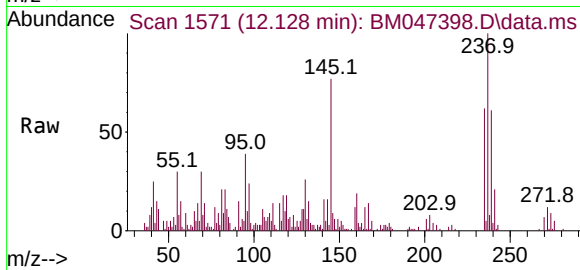




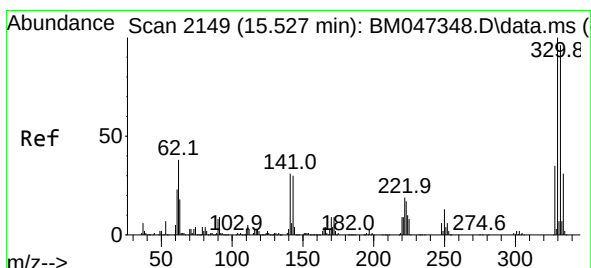
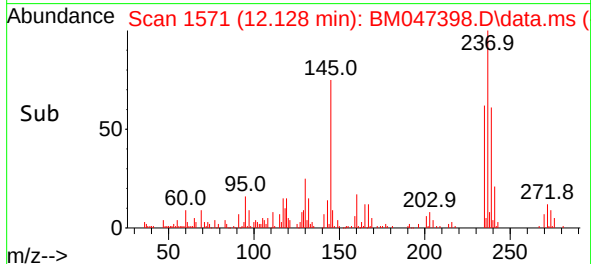
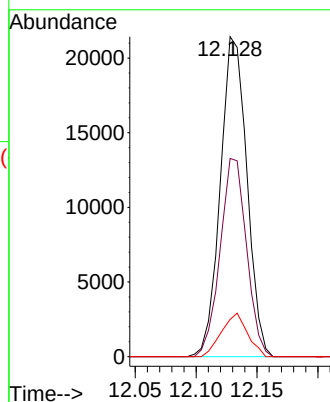


#41  
Hexachlorocyclopentadiene  
Concen: 4.577 ng  
RT: 12.128 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

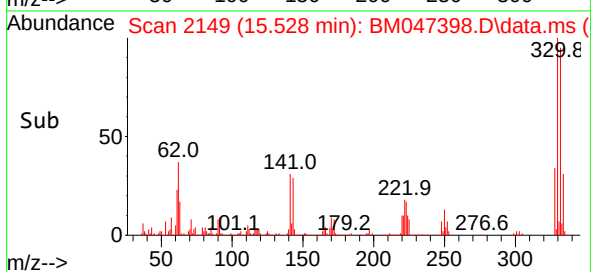
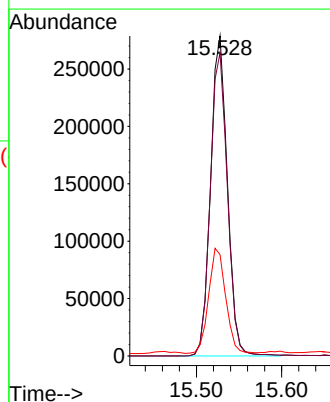
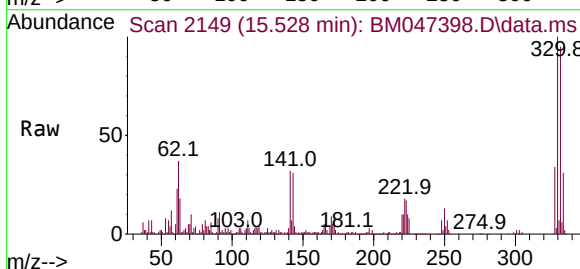


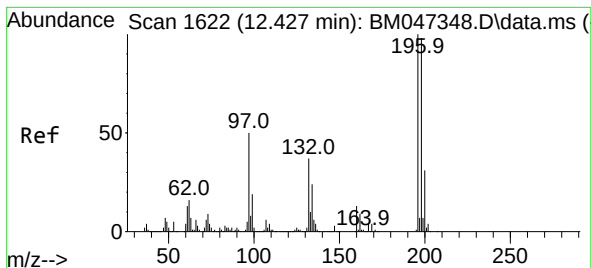
Tgt Ion:237 Resp: 32524  
Ion Ratio Lower Upper  
237 100  
235 61.9 42.1 82.1  
272 11.7 0.0 32.3



#42  
2,4,6-Tribromophenol  
Concen: 41.591 ng  
RT: 15.528 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:330 Resp: 381525  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.2 115.8  
141 33.5 27.6 41.4





#43

2,4,6-Trichlorophenol

Concen: 22.761 ng

RT: 12.434 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

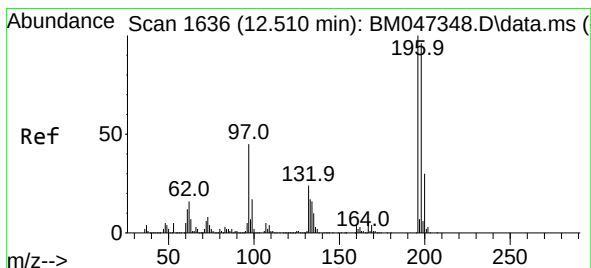
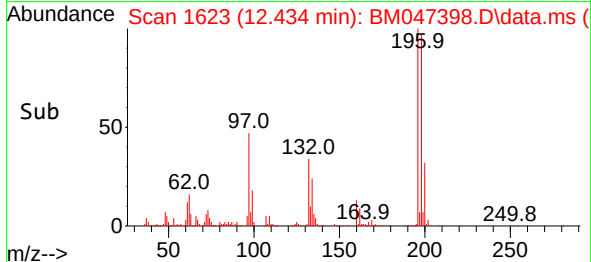
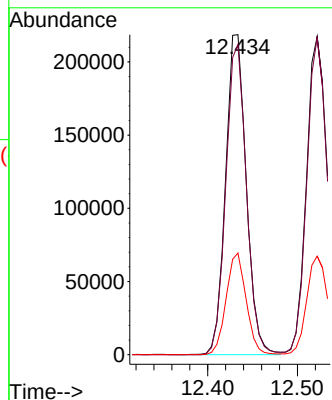
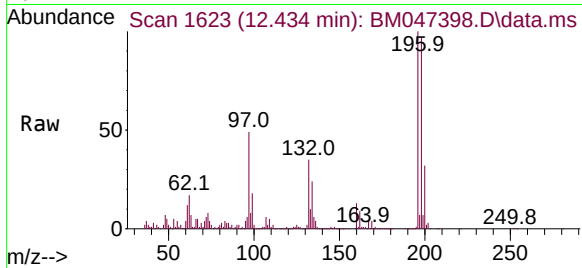
Tgt Ion:196 Resp: 351296

Ion Ratio Lower Upper

196 100

198 96.9 78.2 117.2

200 31.7 24.9 37.3



#44

2,4,5-Trichlorophenol

Concen: 21.621 ng

RT: 12.522 min Scan# 1638

Delta R.T. 0.012 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Tgt Ion:196 Resp: 370594

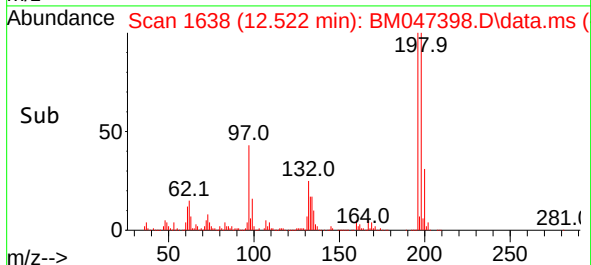
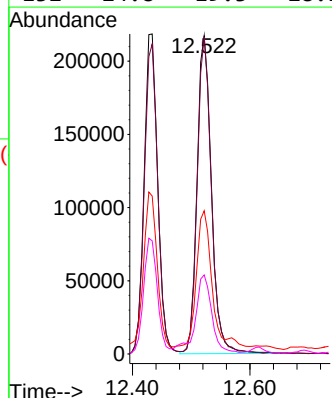
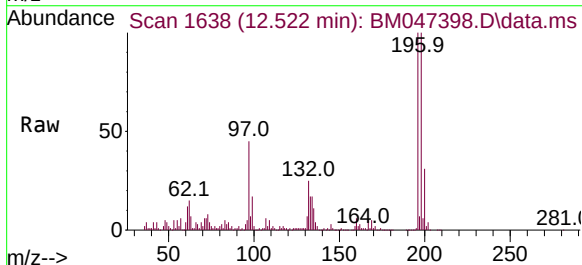
Ion Ratio Lower Upper

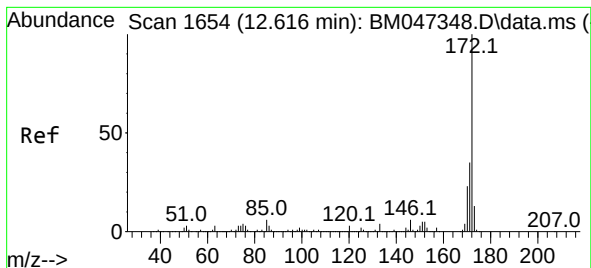
196 100

198 99.6 76.6 115.0

97 45.0 35.9 53.9

132 24.8 19.3 28.9





#45

2-Fluorobiphenyl

Concen: 30.265 ng

RT: 12.616 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

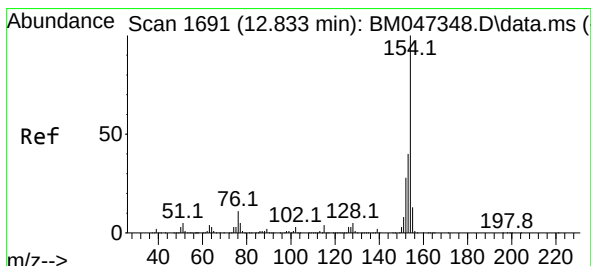
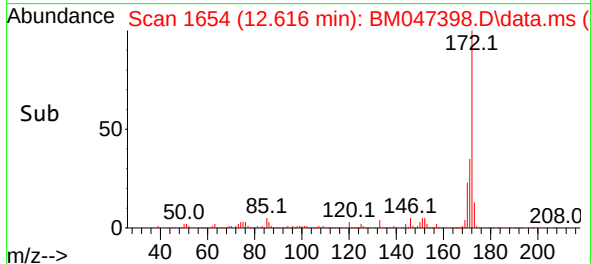
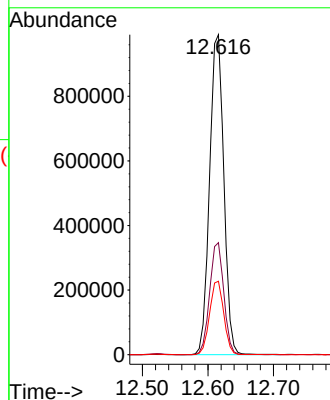
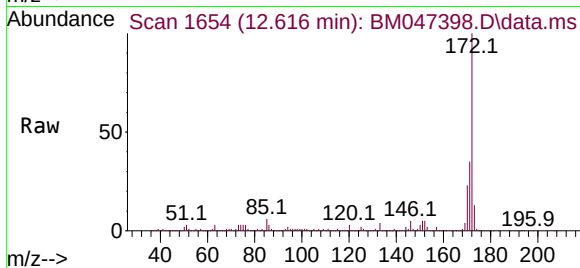
Tgt Ion:172 Resp: 1497636

Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 21.599 ng

RT: 12.828 min Scan# 1690

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

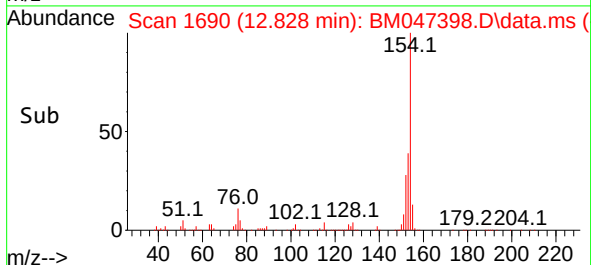
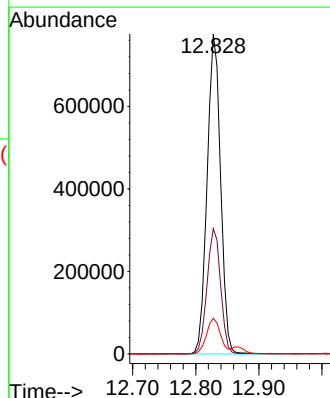
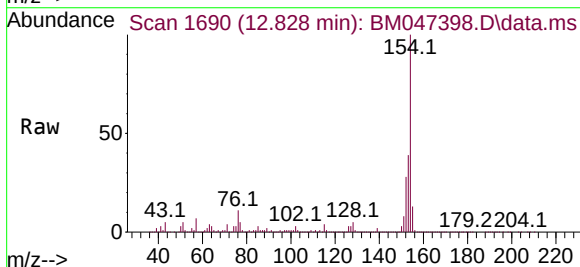
Tgt Ion:154 Resp: 1146683

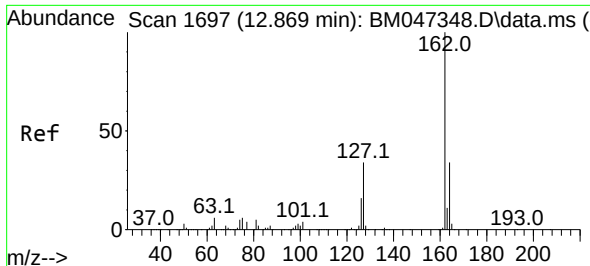
Ion Ratio Lower Upper

154 100

153 39.1 20.1 60.1

76 11.2 0.0 31.2

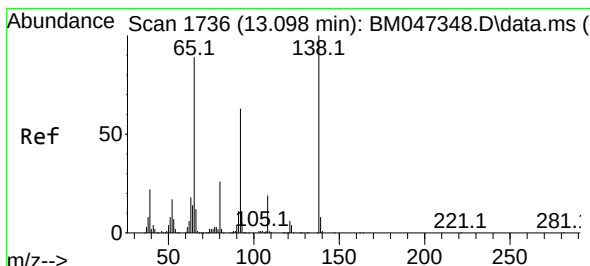
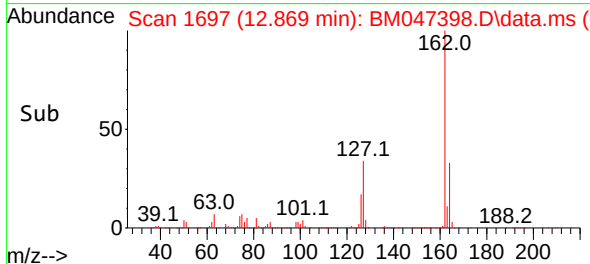
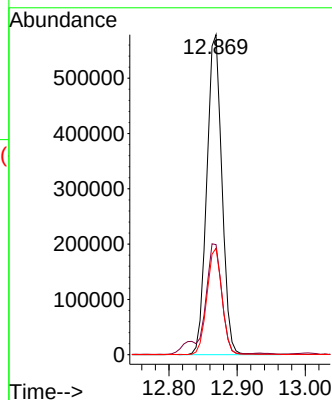
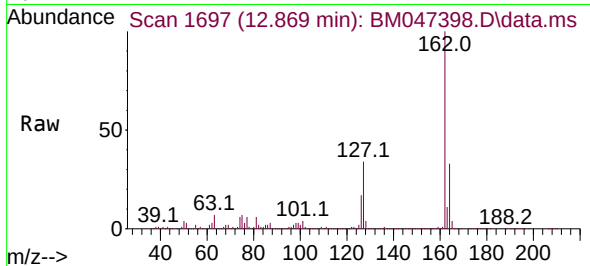




#47  
2-Chloronaphthalene  
Concen: 21.463 ng  
RT: 12.869 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

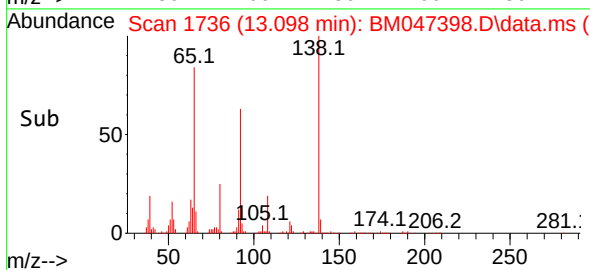
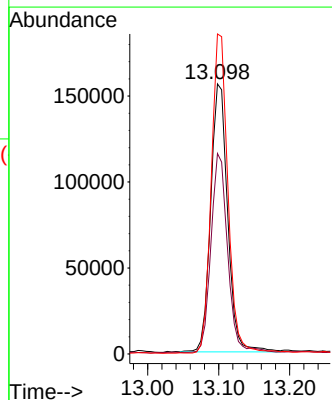
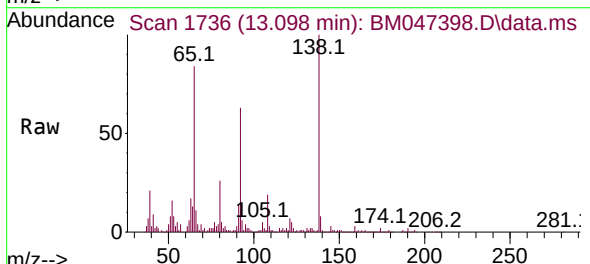
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

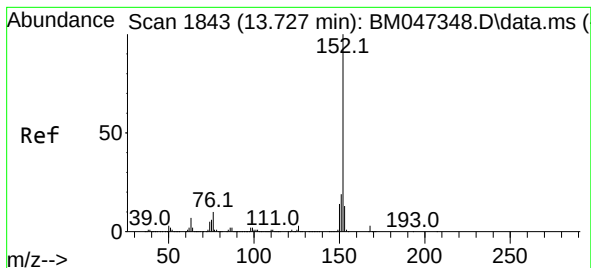
Tgt Ion:162 Resp: 892973  
Ion Ratio Lower Upper  
162 100  
127 34.4 28.3 42.5  
164 33.3 27.0 40.4



#48  
2-Nitroaniline  
Concen: 22.214 ng  
RT: 13.098 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion: 65 Resp: 258886  
Ion Ratio Lower Upper  
65 100  
92 74.2 57.0 85.6  
138 118.5 90.0 135.0





#49

Acenaphthylene

Concen: 23.181 ng

RT: 13.728 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

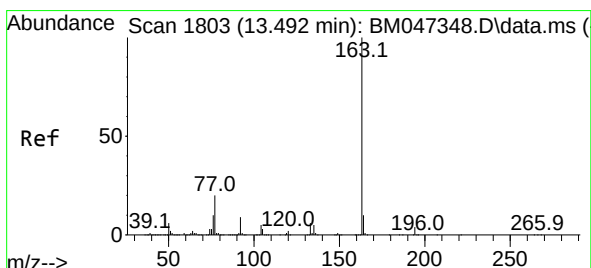
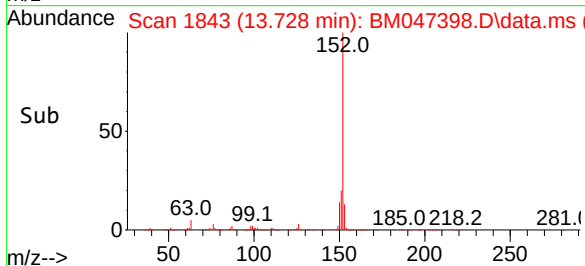
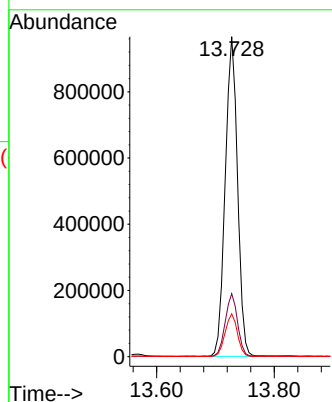
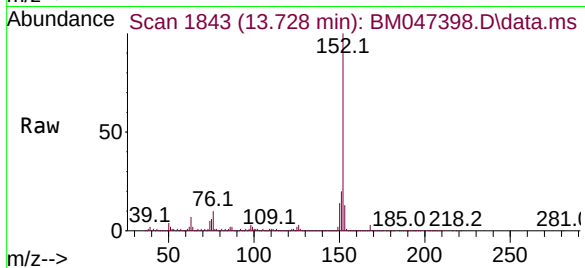
Tgt Ion:152 Resp: 1401653

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 21.328 ng

RT: 13.487 min Scan# 1802

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

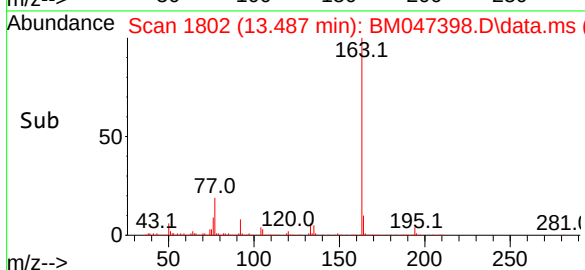
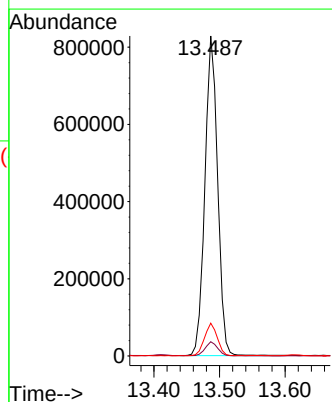
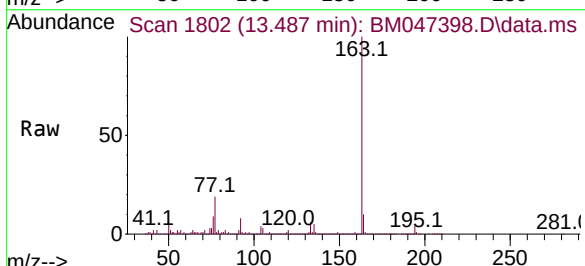
Tgt Ion:163 Resp: 1117370

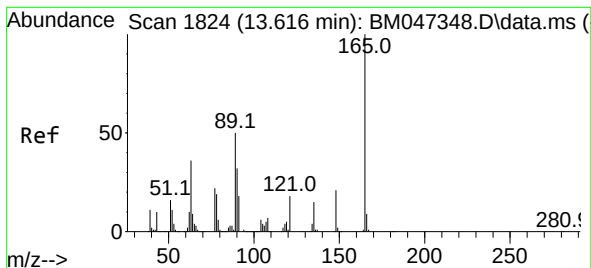
Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

164 10.3 8.2 12.4

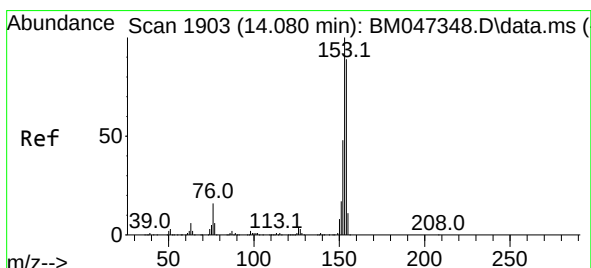
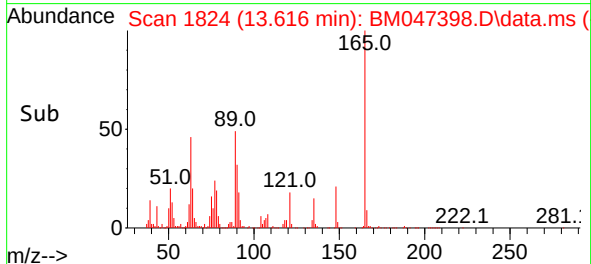
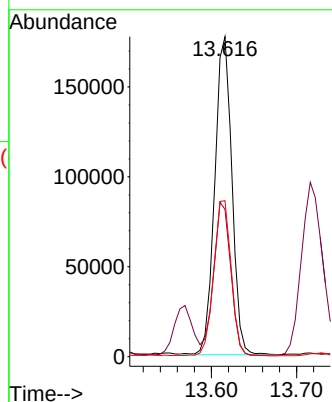
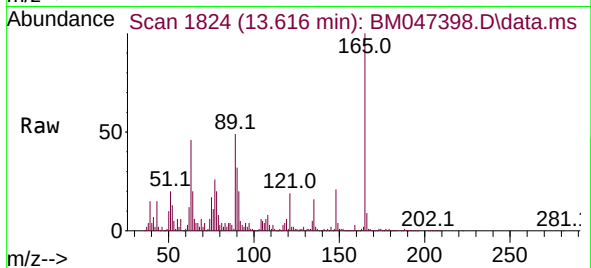




#51  
2,6-Dinitrotoluene  
Concen: 20.285 ng  
RT: 13.616 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

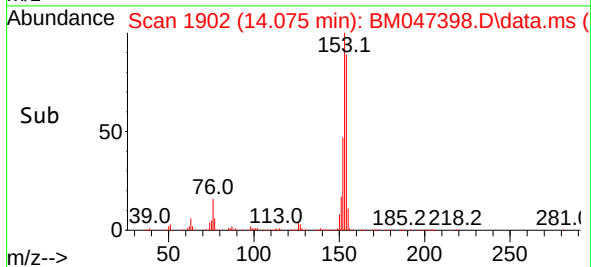
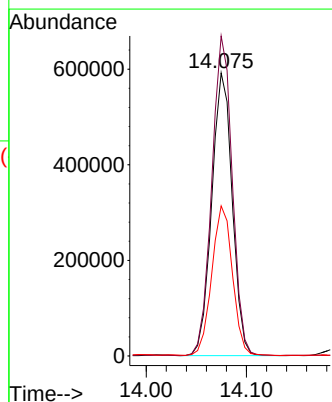
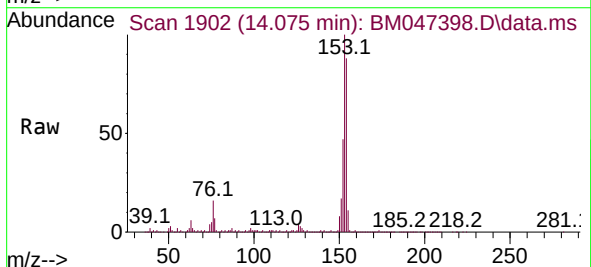
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

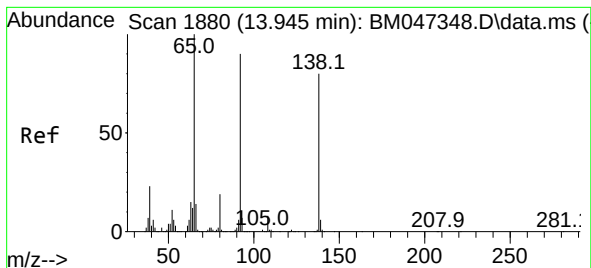
Tgt Ion:165 Resp: 247431  
Ion Ratio Lower Upper  
165 100  
63 46.1 38.2 57.4  
89 48.7 40.4 60.6



#52  
Acenaphthene  
Concen: 21.926 ng  
RT: 14.075 min Scan# 1902  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:154 Resp: 841657  
Ion Ratio Lower Upper  
154 100  
153 113.1 89.5 134.3  
152 53.0 43.0 64.4

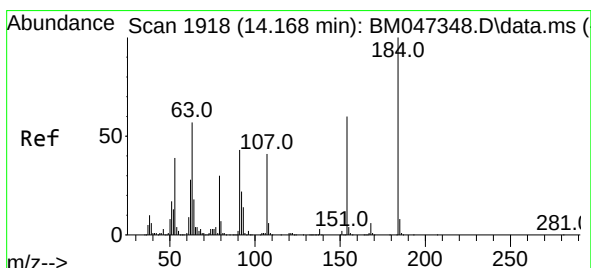
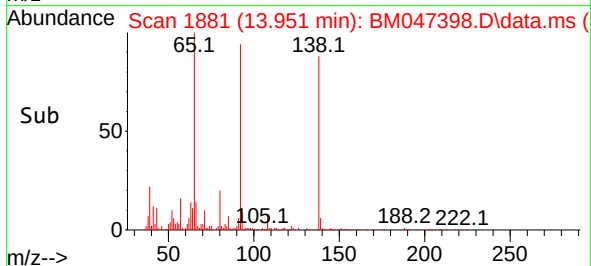
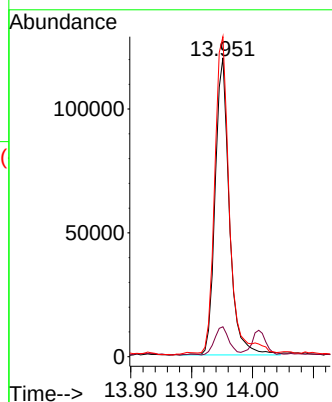
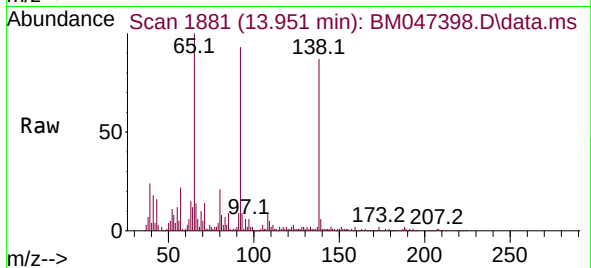




#53  
3-Nitroaniline  
Concen: 17.297 ng  
RT: 13.951 min Scan# 1881  
Delta R.T. 0.006 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

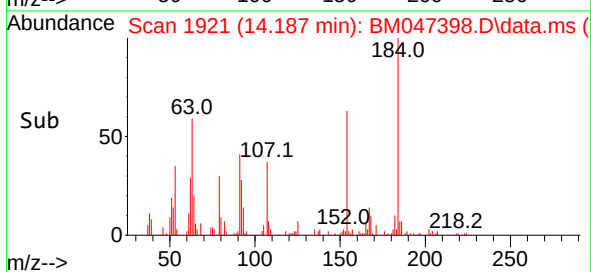
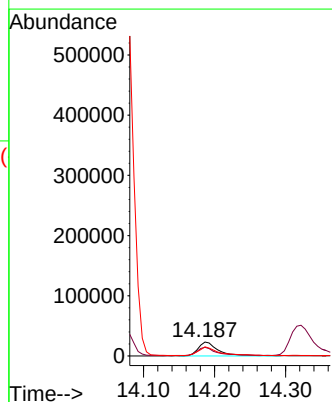
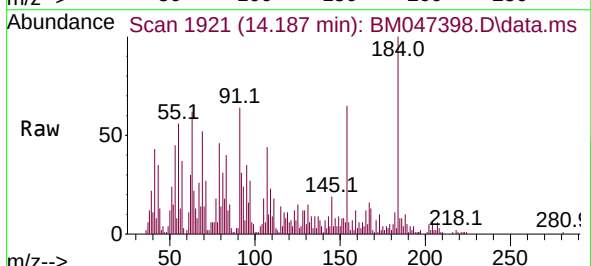
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

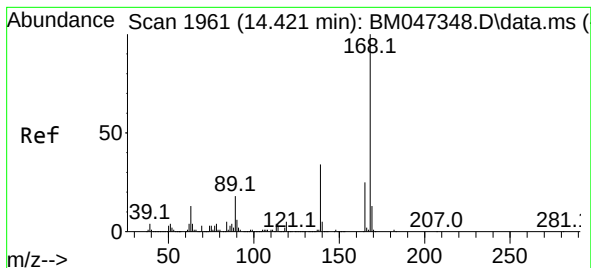
Tgt Ion:138 Resp: 194691  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.0 12.0  
92 107.1 90.1 135.1



#54  
2,4-Dinitrophenol  
Concen: 6.075 ng  
RT: 14.187 min Scan# 1921  
Delta R.T. 0.019 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:184 Resp: 45631  
Ion Ratio Lower Upper  
184 100  
63 62.1 45.7 68.5  
154 64.9 48.5 72.7





#55

Dibenzenofuran

Concen: 21.768 ng

RT: 14.416 min Scan# 1960

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

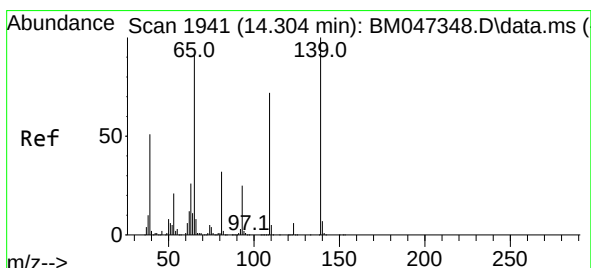
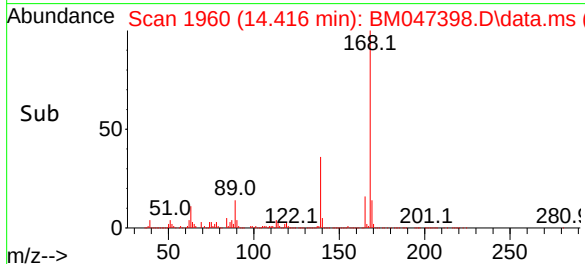
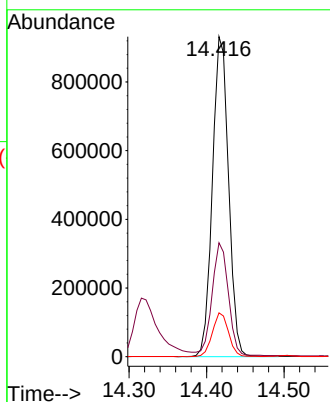
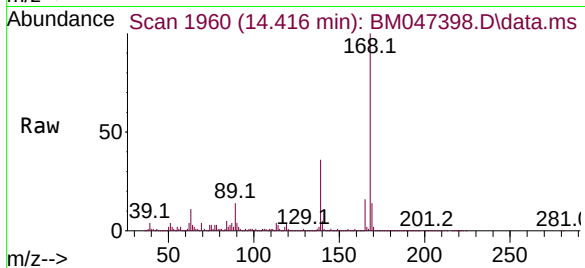
Tgt Ion:168 Resp: 1345884

Ion Ratio Lower Upper

168 100

139 35.6 27.5 41.3

169 13.7 10.5 15.7



#56

4-Nitrophenol

Concen: 42.304 ng

RT: 14.316 min Scan# 1943

Delta R.T. 0.012 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

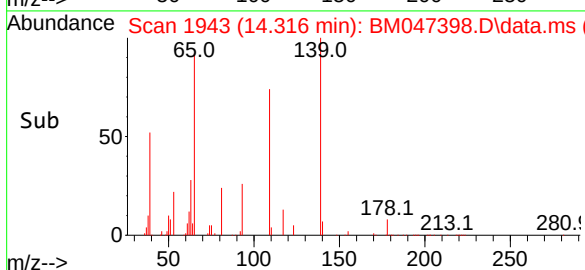
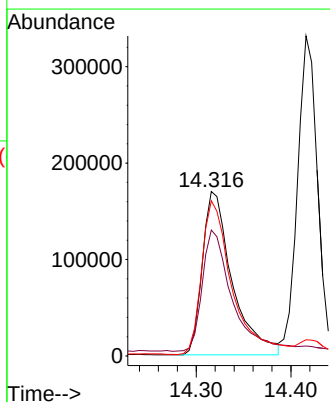
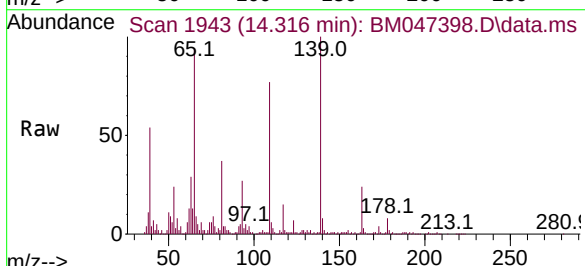
Tgt Ion:139 Resp: 372199

Ion Ratio Lower Upper

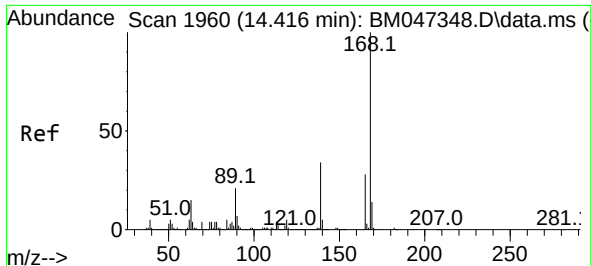
139 100

109 76.5 51.6 91.6

65 94.4 71.7 111.7







#57

2,4-Dinitrotoluene

Concen: 20.207 ng

RT: 14.422 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BM047398.D

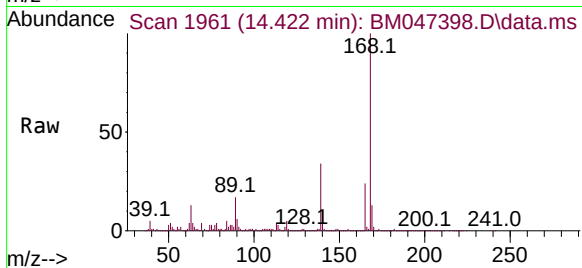
Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD



Tgt Ion:165 Resp: 319080

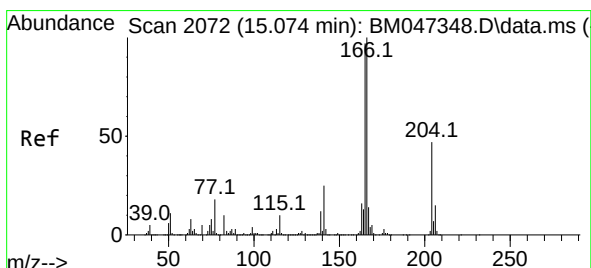
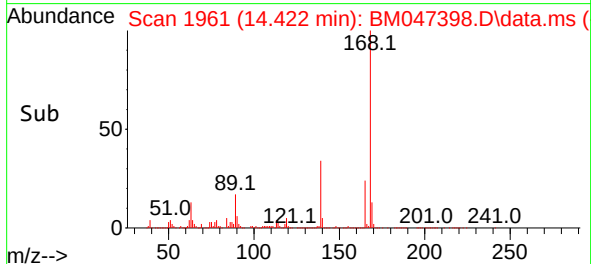
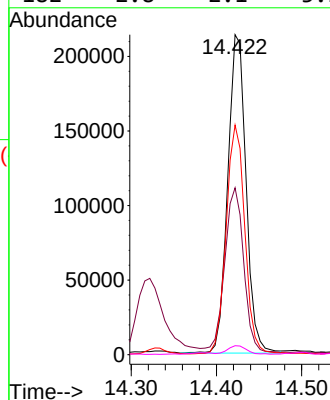
Ion Ratio Lower Upper

165 100

63 52.1 42.2 63.4

89 71.8 59.3 88.9

182 2.8 2.1 3.1



#58

Fluorene

Concen: 21.094 ng

RT: 15.075 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

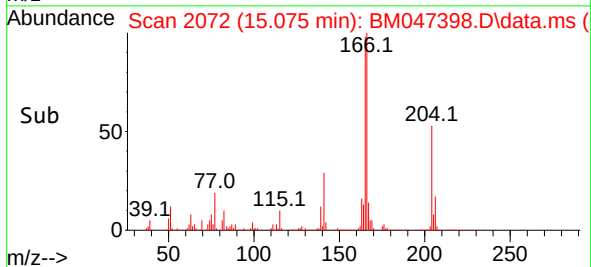
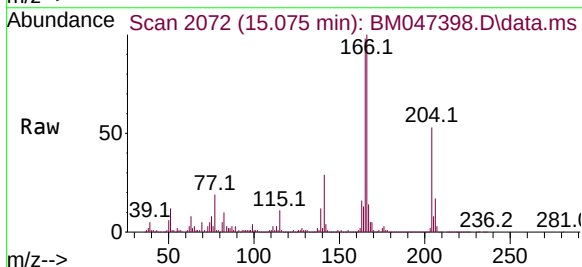
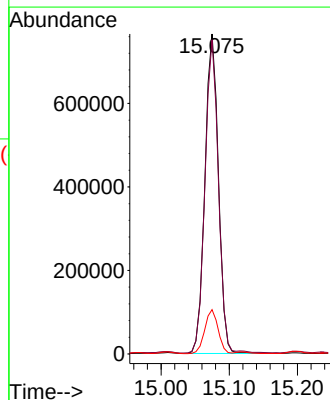
Tgt Ion:166 Resp: 1055531

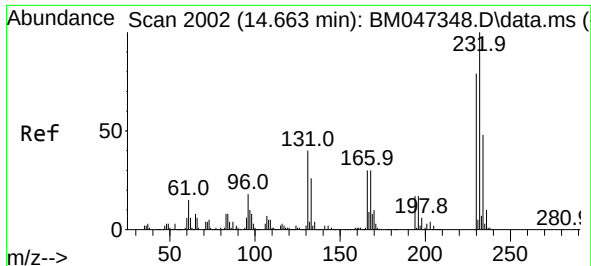
Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

167 13.8 11.1 16.7

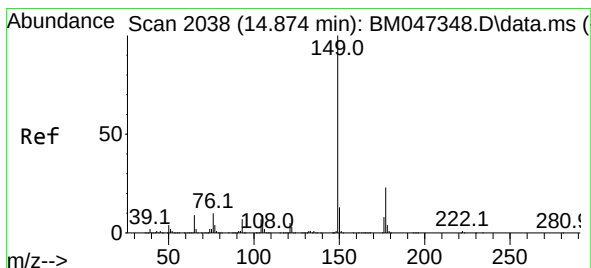
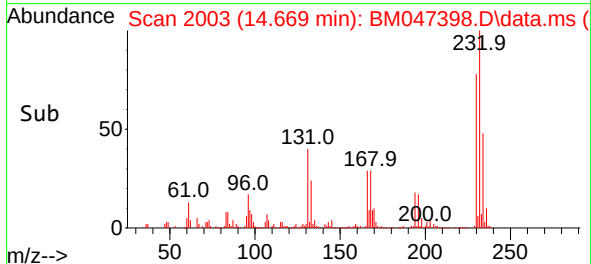
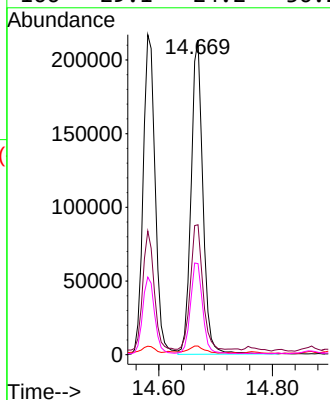
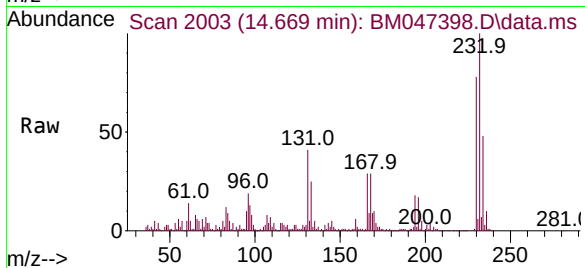




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 22.016 ng  
RT: 14.669 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

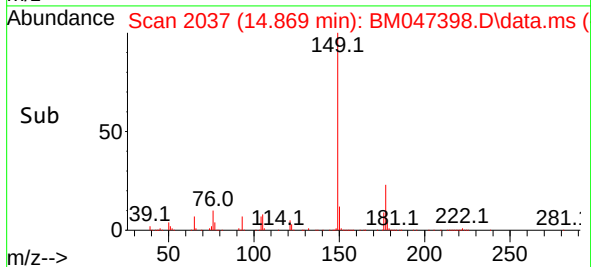
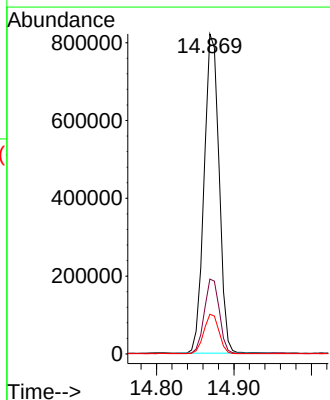
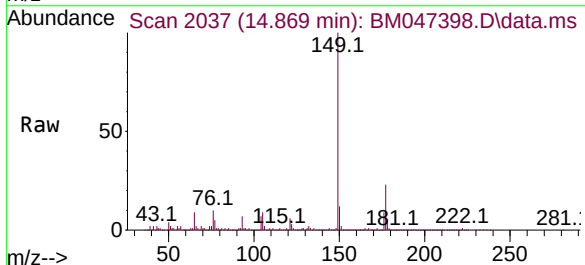
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

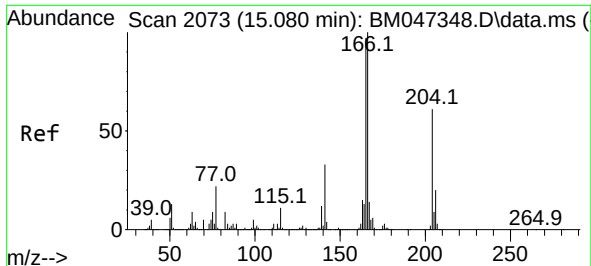
Tgt Ion:232 Resp: 309962  
Ion Ratio Lower Upper  
232 100  
131 41.0 31.7 47.5  
130 2.9 1.7 2.5#  
166 29.1 24.2 36.2



#60  
Diethylphthalate  
Concen: 21.244 ng  
RT: 14.869 min Scan# 2037  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:149 Resp: 1097864  
Ion Ratio Lower Upper  
149 100  
177 23.4 18.6 28.0  
150 12.4 10.2 15.4

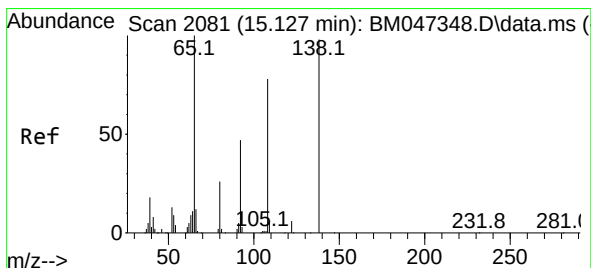
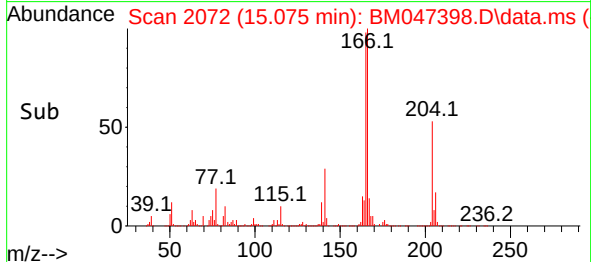
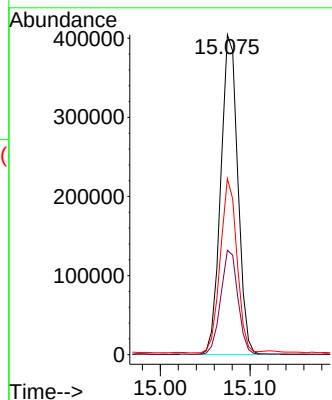
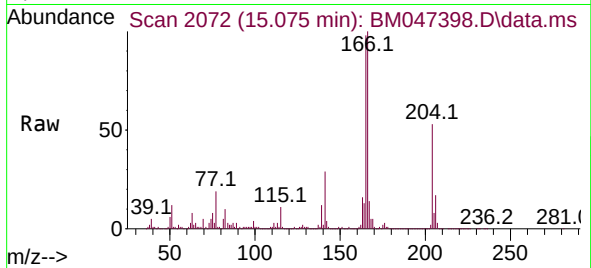




#61  
4-Chlorophenyl-phenylether  
Concen: 20.950 ng  
RT: 15.075 min Scan# 2073  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

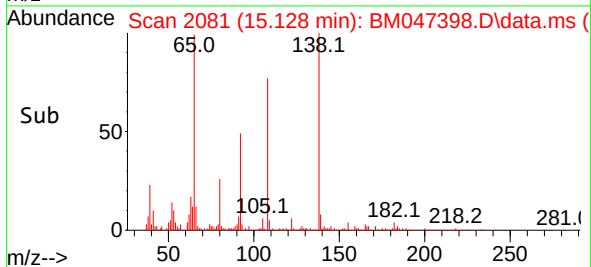
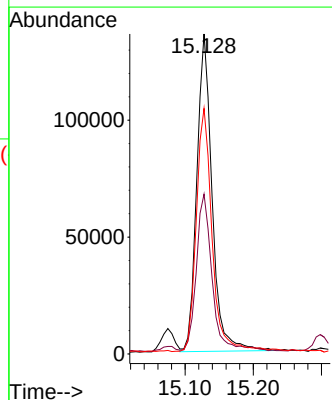
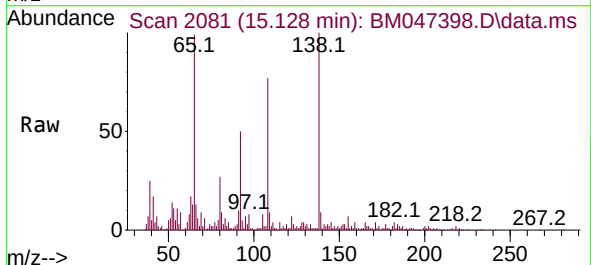
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

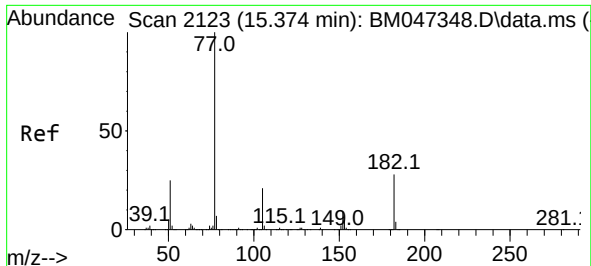
Tgt Ion:204 Resp: 533275  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.5 39.7  
141 55.0 42.8 64.2



#62  
4-Nitroaniline  
Concen: 20.354 ng  
RT: 15.128 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:138 Resp: 211930  
Ion Ratio Lower Upper  
138 100  
92 49.9 27.9 67.9  
108 76.7 58.7 98.7

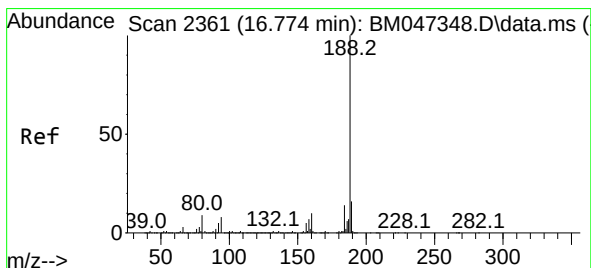
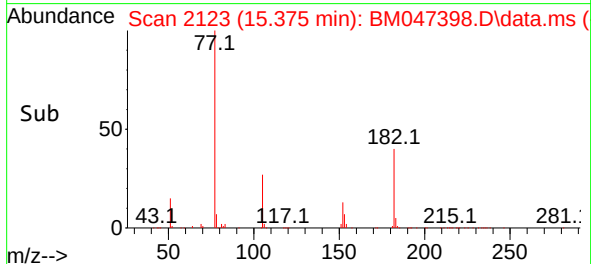
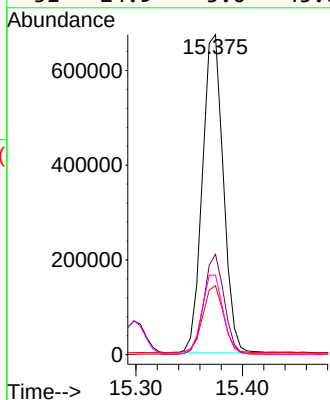
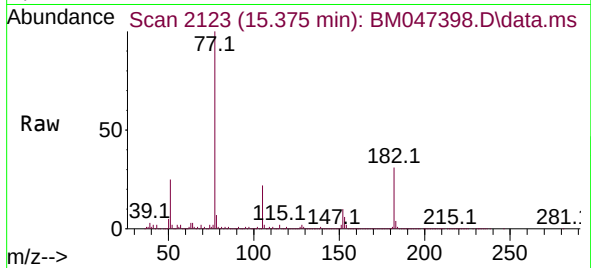




#63  
Azobenzene  
Concen: 20.430 ng  
RT: 15.375 min Scan# 2123  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

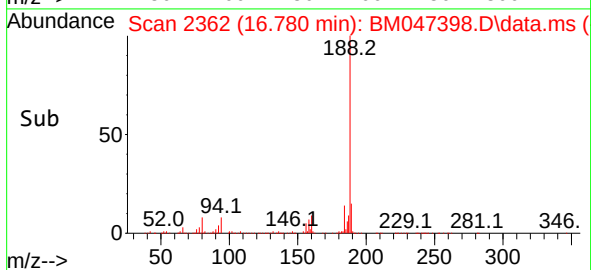
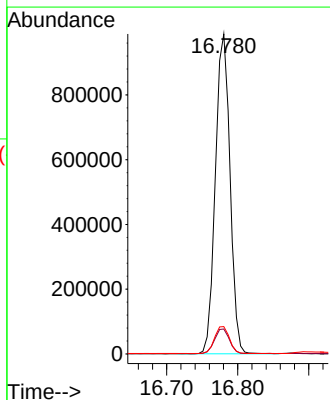
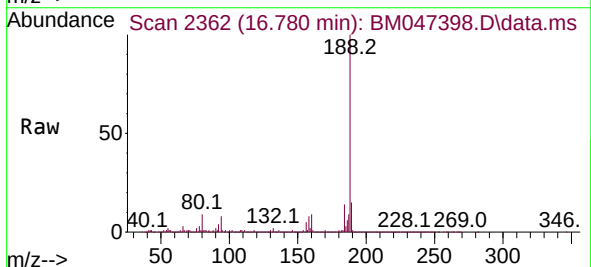
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

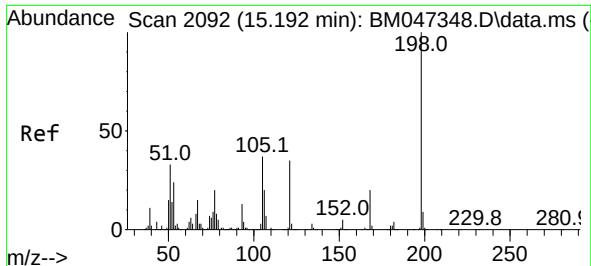
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 919371 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 31.4  | 7.9   | 47.9   |
| 105      | 21.5  | 0.6   | 40.6   |
| 51       | 24.9  | 5.0   | 45.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.780 min Scan# 2362  
Delta R.T. 0.006 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 188   | Resp: | 1407501 |
| Ion      | Ratio | Lower | Upper   |
| 188      | 100   |       |         |
| 94       | 7.8   | 6.4   | 9.6     |
| 80       | 8.5   | 7.4   | 11.2    |

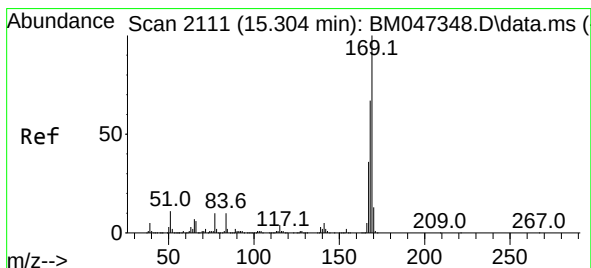
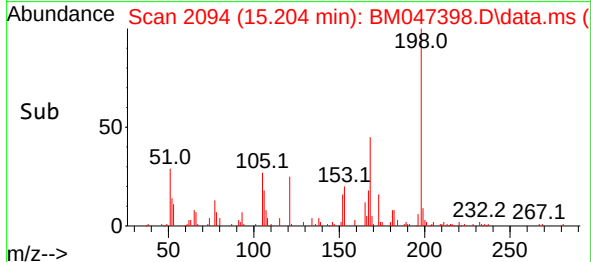
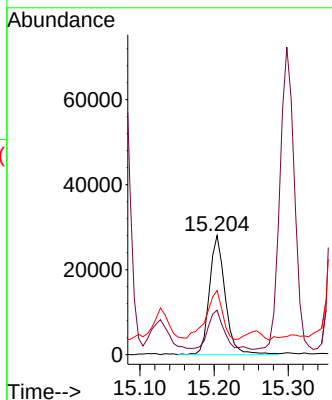
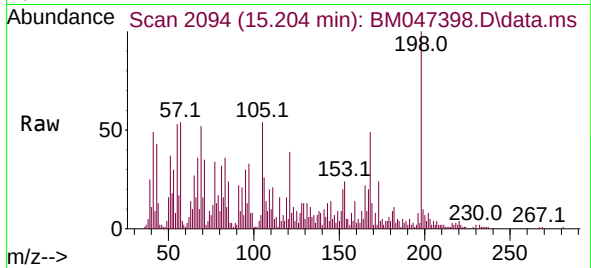




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.807 ng  
RT: 15.204 min Scan# 2094  
Delta R.T. 0.012 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

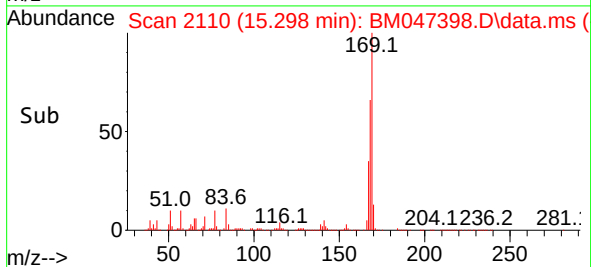
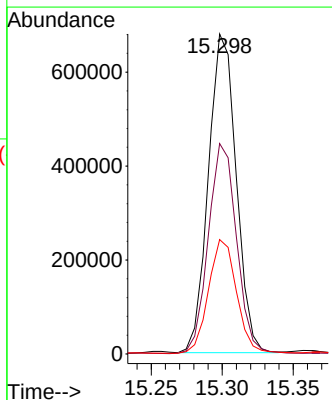
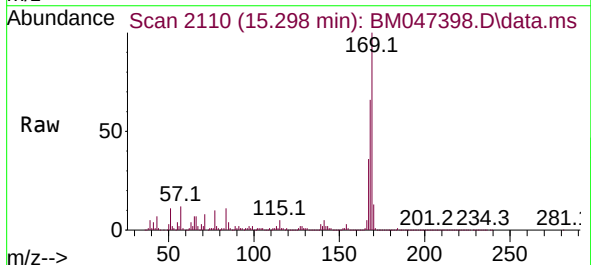
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

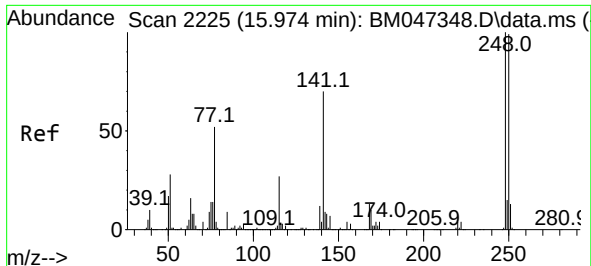
Tgt Ion:198 Resp: 41530  
Ion Ratio Lower Upper  
198 100  
51 37.3 14.1 54.1  
105 53.7 17.0 57.0



#66  
n-Nitrosodiphenylamine  
Concen: 23.991 ng  
RT: 15.298 min Scan# 2110  
Delta R.T. -0.005 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:169 Resp: 923968  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.4 80.0  
167 35.8 29.0 43.4

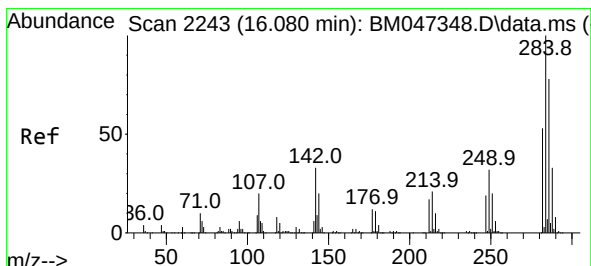
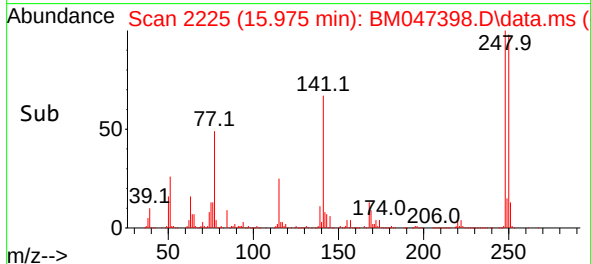
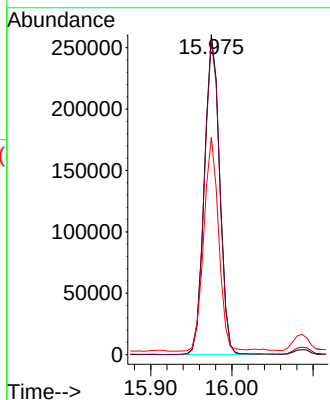
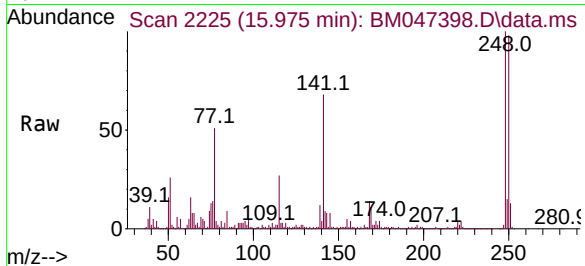




#67  
4-Bromophenyl-phenylether  
Concen: 22.876 ng  
RT: 15.975 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

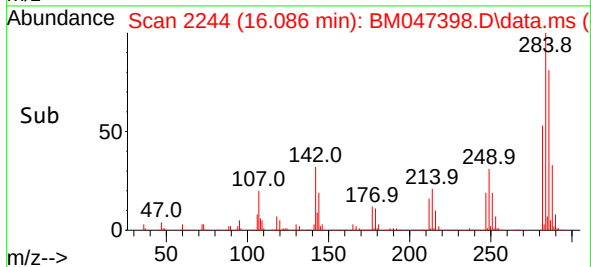
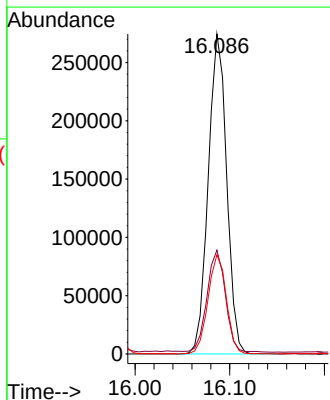
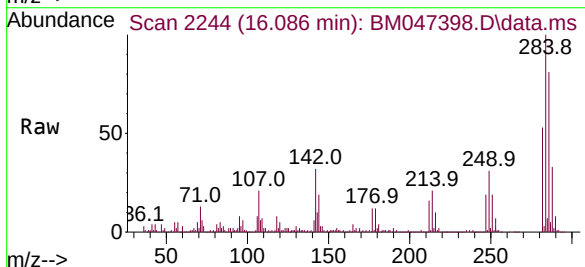
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

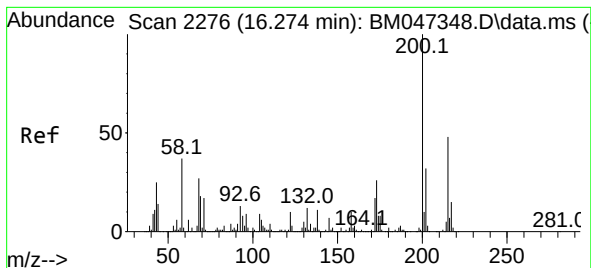
Tgt Ion:248 Resp: 339670  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.8 118.2  
141 68.0 55.9 83.9



#68  
Hexachlorobenzene  
Concen: 21.563 ng  
RT: 16.086 min Scan# 2244  
Delta R.T. 0.006 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:284 Resp: 369799  
Ion Ratio Lower Upper  
284 100  
142 32.4 26.5 39.7  
249 31.0 25.5 38.3





#69

Atrazine

Concen: 27.318 ng

RT: 16.275 min Scan# 21

Delta R.T. 0.001 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

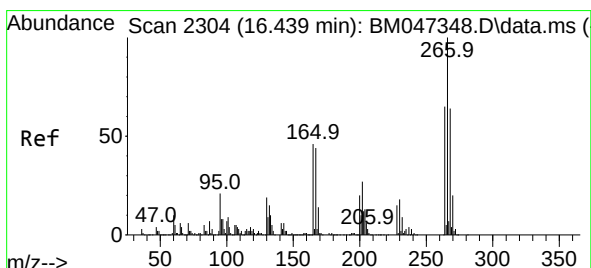
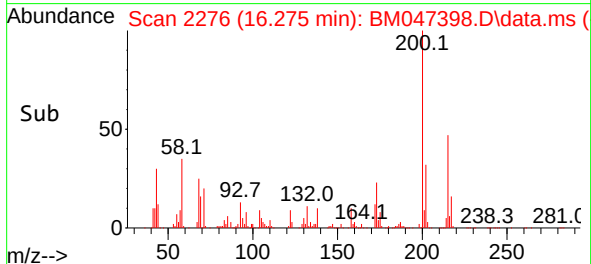
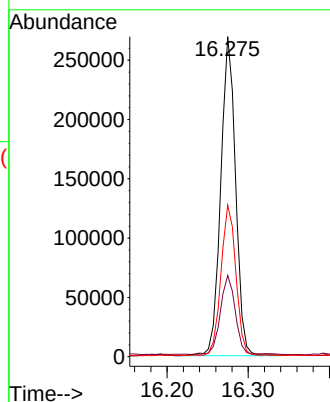
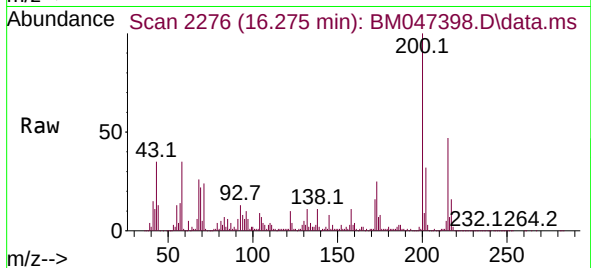
Tgt Ion:200 Resp: 343897

Ion Ratio Lower Upper

200 100

173 25.4 5.8 45.8

215 47.3 28.3 68.3



#70

Pentachlorophenol

Concen: 40.031 ng

RT: 16.445 min Scan# 2305

Delta R.T. 0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

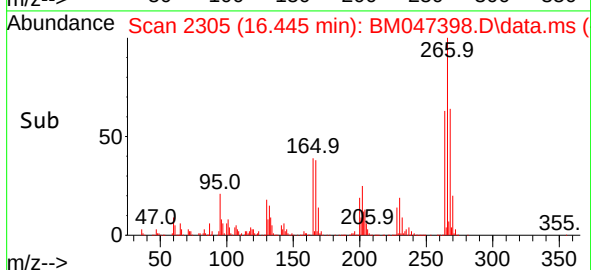
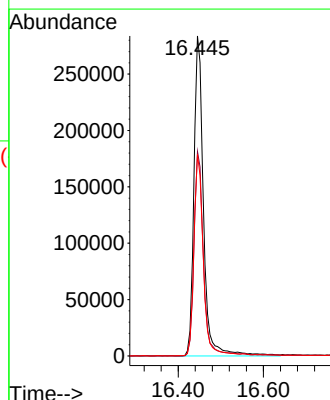
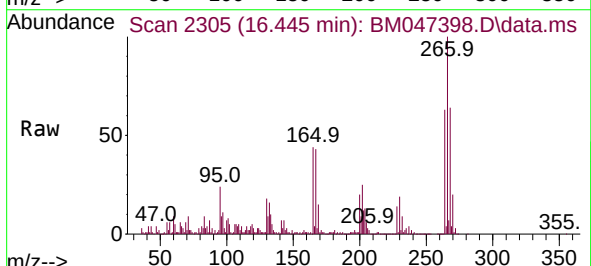
Tgt Ion:266 Resp: 443858

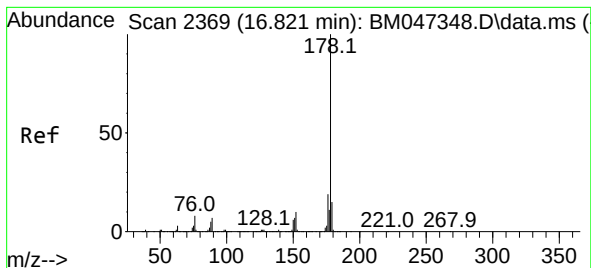
Ion Ratio Lower Upper

266 100

268 63.9 51.0 76.6

264 63.0 51.9 77.9





#71

Phenanthrene

Concen: 22.412 ng

RT: 16.822 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

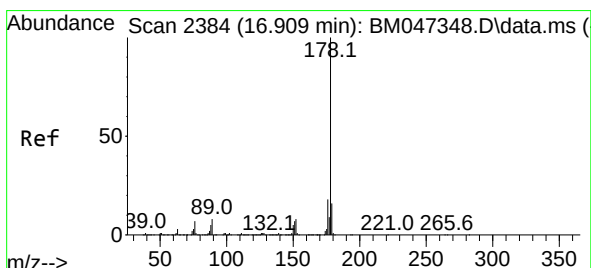
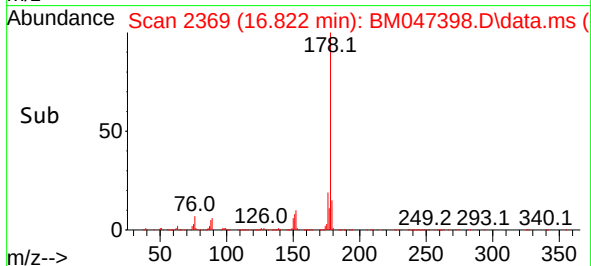
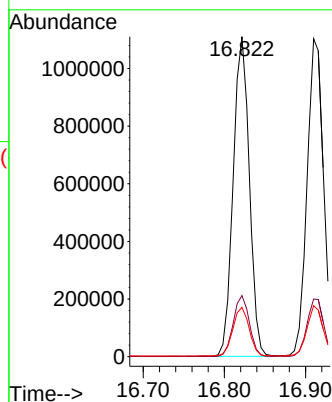
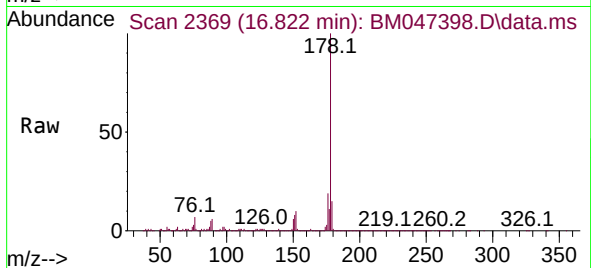
Tgt Ion:178 Resp: 1531978

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 23.245 ng

RT: 16.910 min Scan# 2384

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

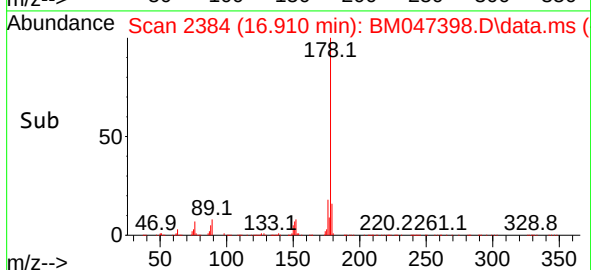
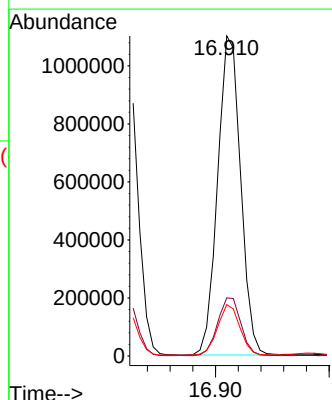
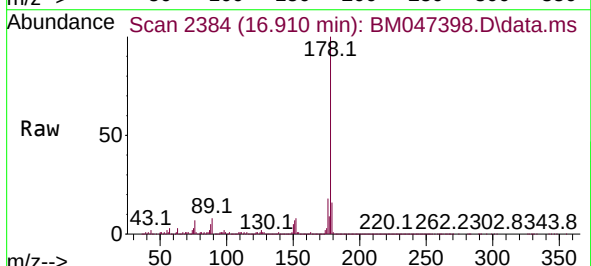
Tgt Ion:178 Resp: 1548886

Ion Ratio Lower Upper

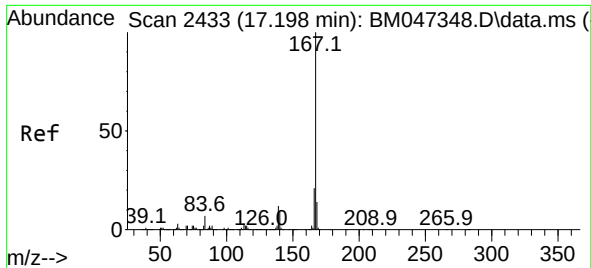
178 100

176 18.1 14.7 22.1

179 16.1 12.6 18.8



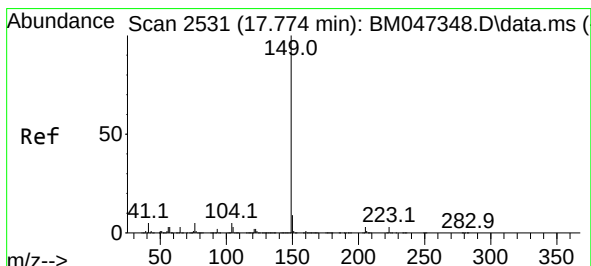
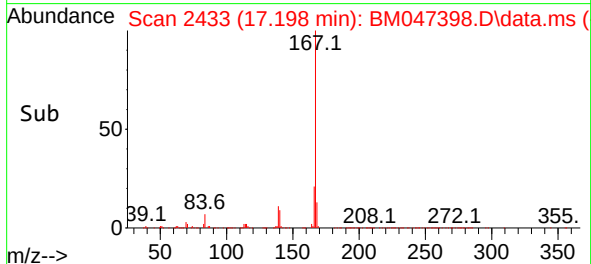
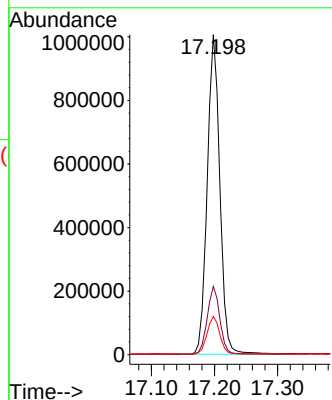
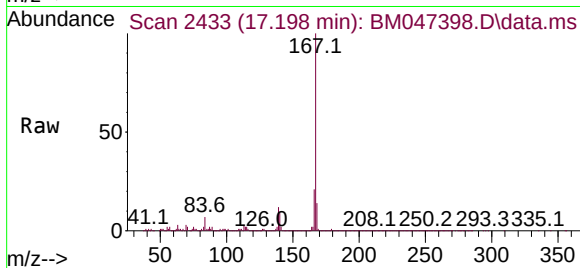




#73  
 Carbazole  
 Concen: 21.841 ng  
 RT: 17.198 min Scan# 2433  
 Delta R.T. 0.000 min  
 Lab File: BM047398.D  
 Acq: 29 Aug 2024 17:45

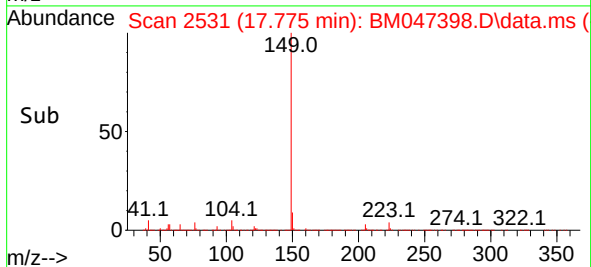
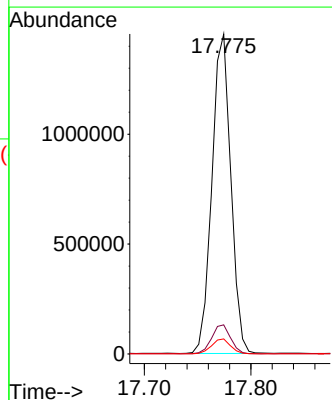
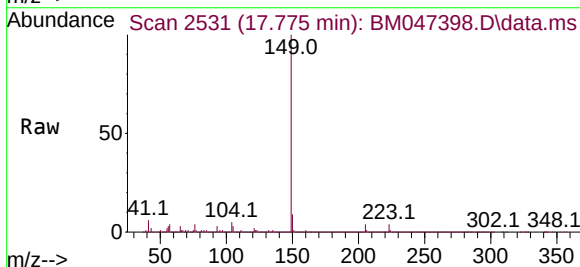
Instrument :  
 BNA\_M  
 ClientSampleId :  
 AU-06-082824MSD

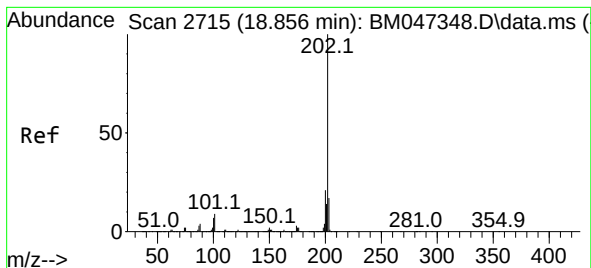
Tgt Ion:167 Resp: 1396590  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 16.9 25.3  
 139 12.0 9.5 14.3



#74  
 Di-n-butylphthalate  
 Concen: 23.004 ng  
 RT: 17.775 min Scan# 2531  
 Delta R.T. 0.000 min  
 Lab File: BM047398.D  
 Acq: 29 Aug 2024 17:45

Tgt Ion:149 Resp: 1791147  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 4.7 3.8 5.6

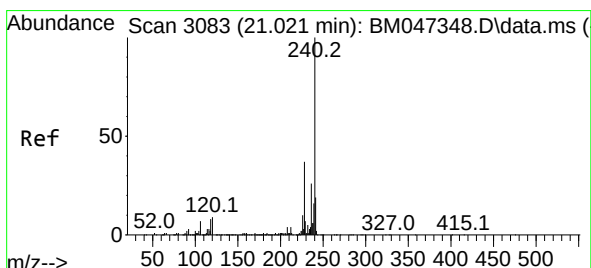
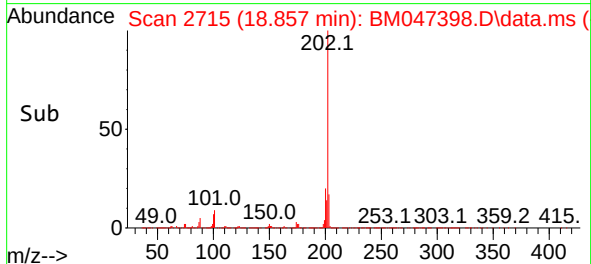
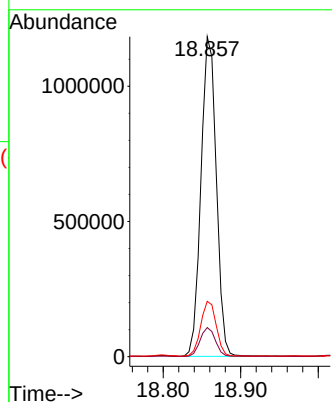
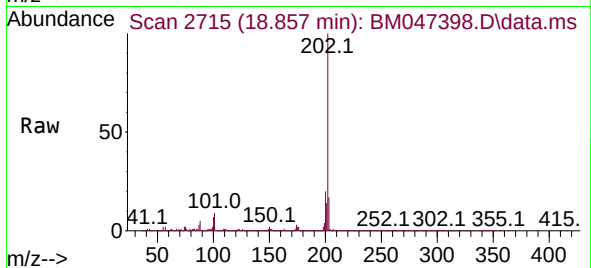




#75  
Fluoranthene  
Concen: 20.248 ng  
RT: 18.857 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

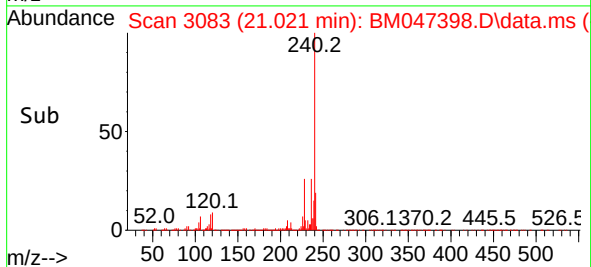
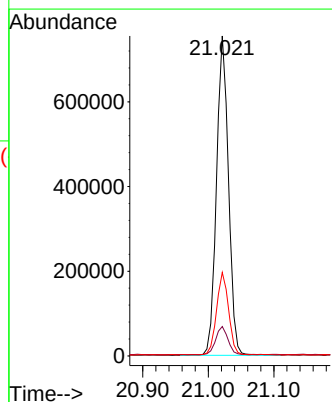
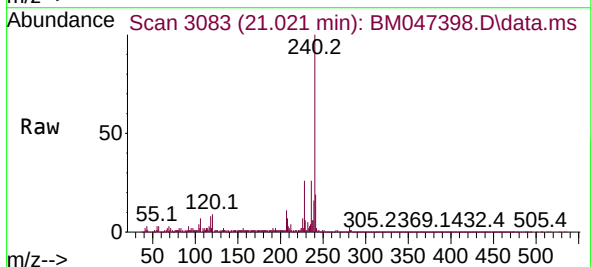
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

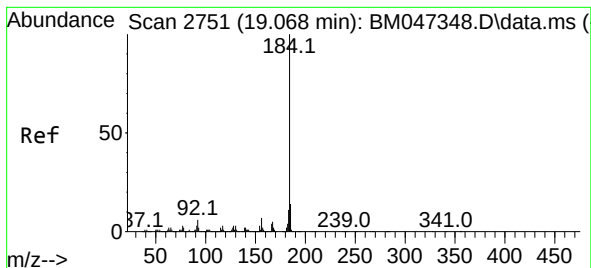
Tgt Ion:202 Resp: 1625154  
Ion Ratio Lower Upper  
202 100  
101 9.1 0.0 29.0  
203 17.3 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.021 min Scan# 3083  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:240 Resp: 955156  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.4 11.0  
236 26.1 20.8 31.2





#77

Benzidine

Concen: 51.552 ng

RT: 19.069 min Scan# 2751

Delta R.T. 0.001 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

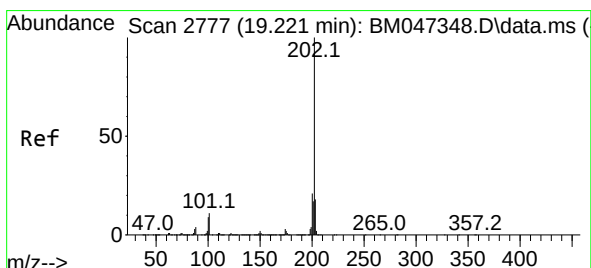
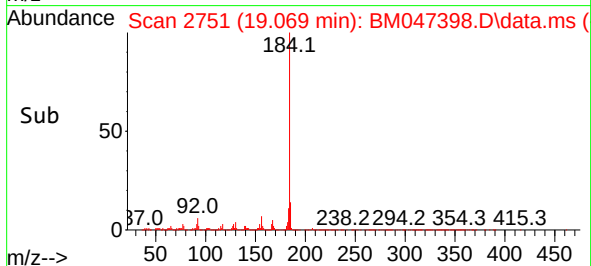
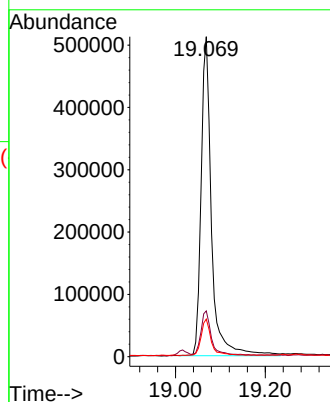
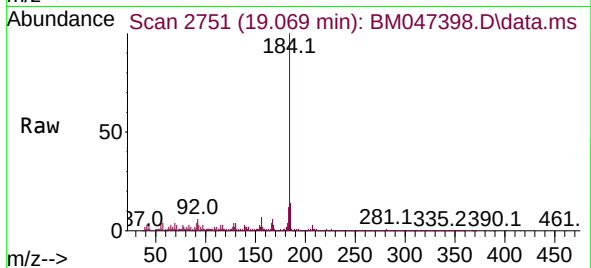
Tgt Ion:184 Resp: 821928

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.8 9.2 13.8



#78

Pyrene

Concen: 22.790 ng

RT: 19.227 min Scan# 2778

Delta R.T. 0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

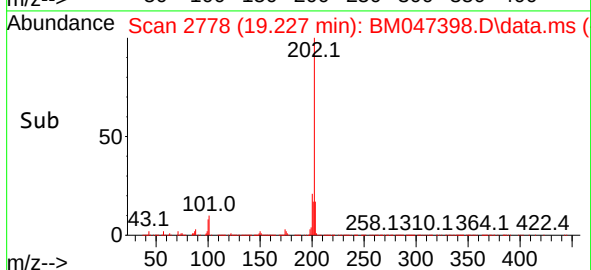
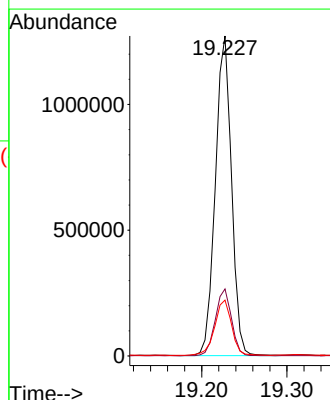
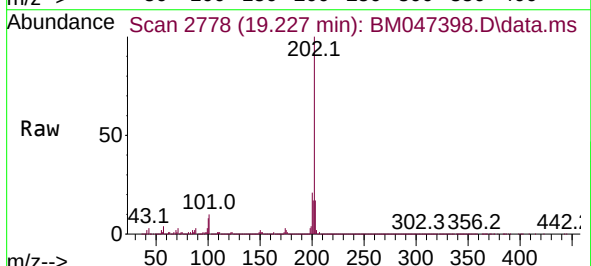
Tgt Ion:202 Resp: 1669535

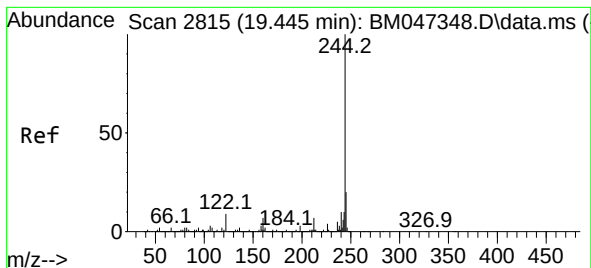
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 31.186 ng

RT: 19.445 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

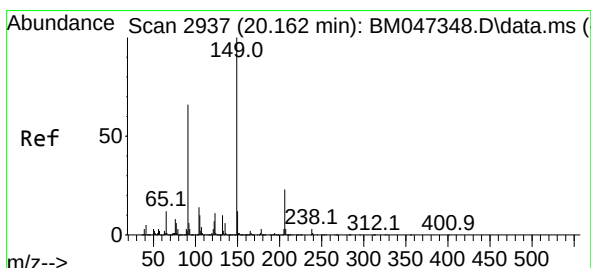
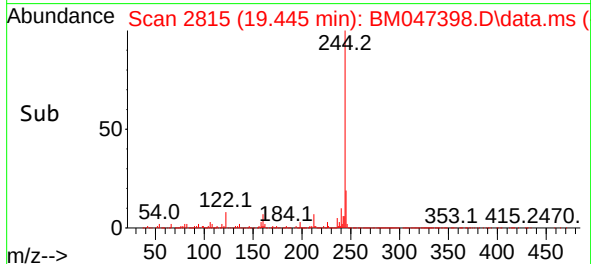
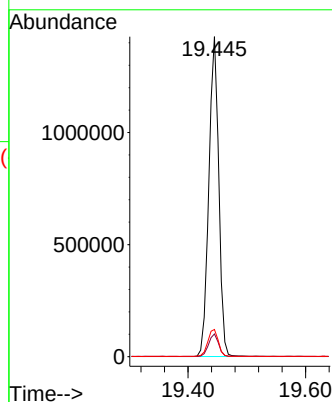
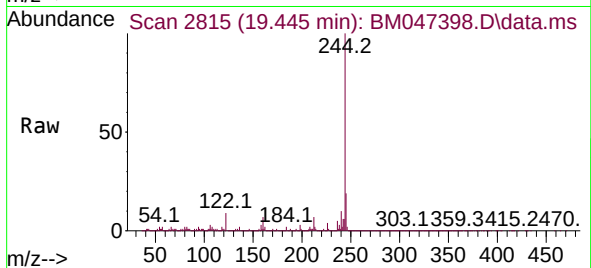
Tgt Ion:244 Resp: 1673477

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.5 7.0 10.4



#80

Butylbenzylphthalate

Concen: 22.875 ng

RT: 20.157 min Scan# 2936

Delta R.T. -0.005 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

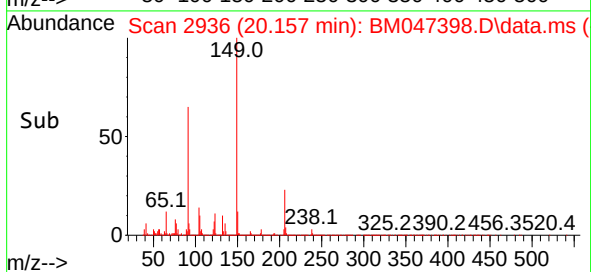
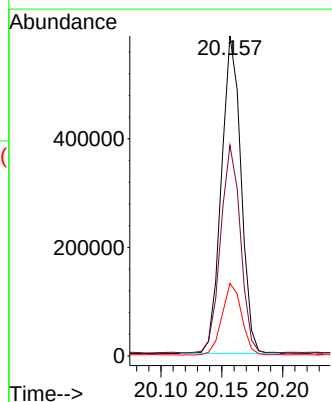
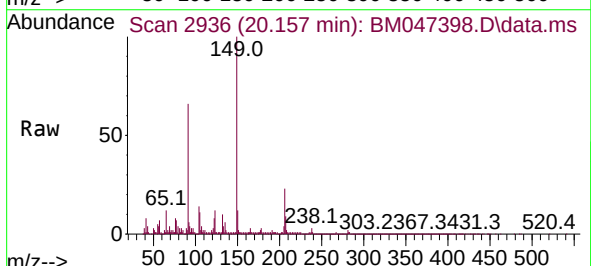
Tgt Ion:149 Resp: 655772

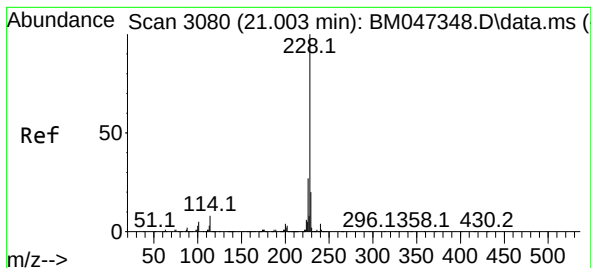
Ion Ratio Lower Upper

149 100

91 65.8 52.6 79.0

206 22.7 18.2 27.2





#81

Benzo(a)anthracene

Concen: 21.970 ng

RT: 21.004 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

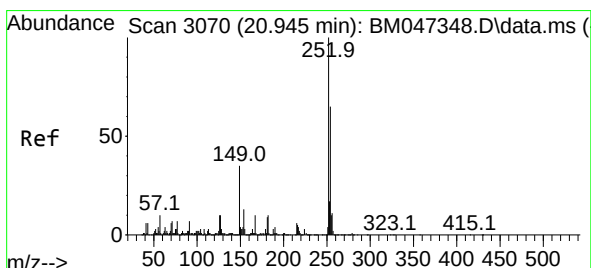
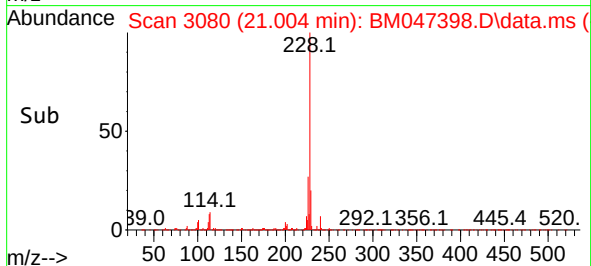
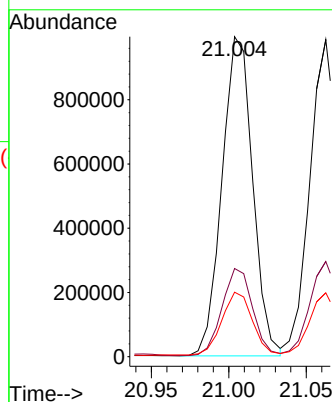
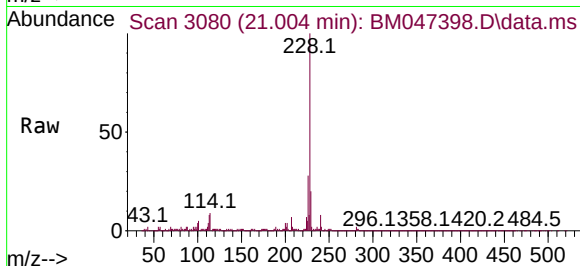
Tgt Ion:228 Resp: 1368500

Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.0

229 20.1 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 21.636 ng

RT: 20.945 min Scan# 3070

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

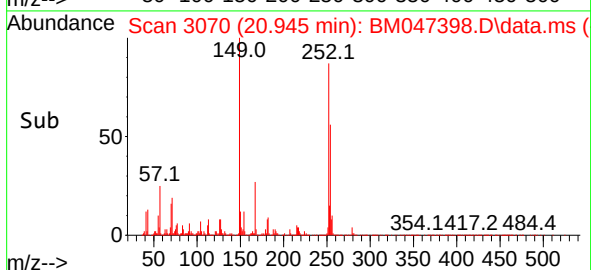
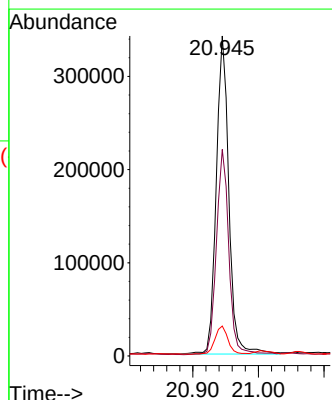
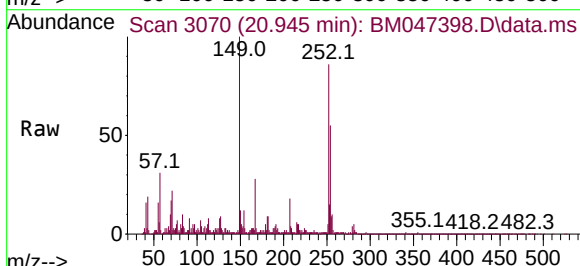
Tgt Ion:252 Resp: 453345

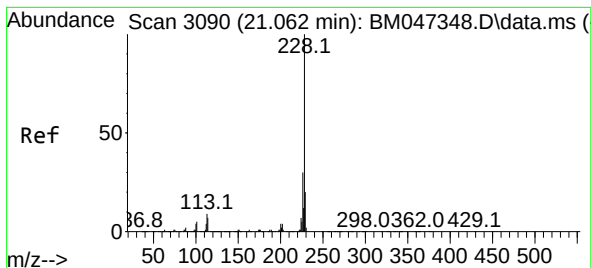
Ion Ratio Lower Upper

252 100

254 64.5 52.1 78.1

126 9.3 7.9 11.9





#83

Chrysene

Concen: 22.001 ng

RT: 21.063 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

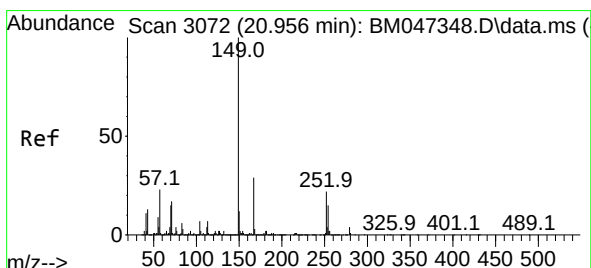
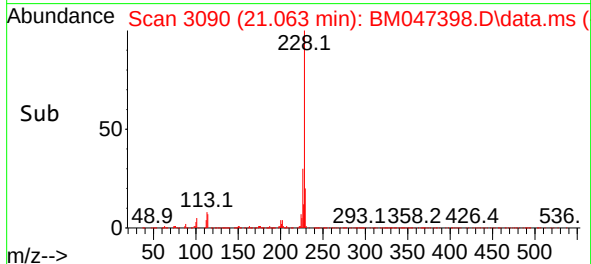
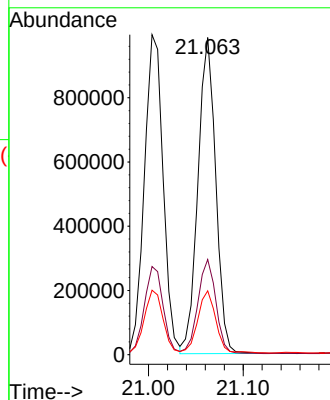
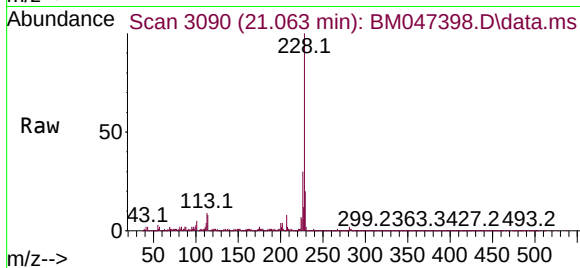
Tgt Ion:228 Resp: 1289113

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 20.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.708 ng

RT: 20.957 min Scan# 3072

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

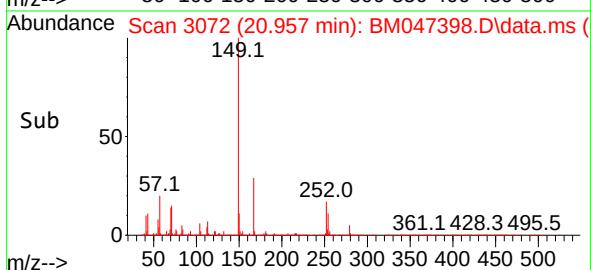
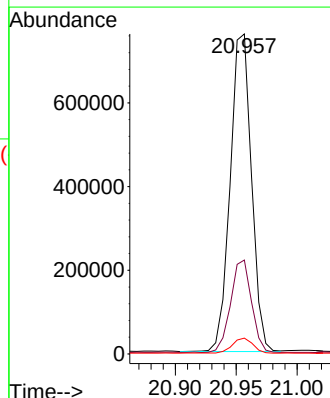
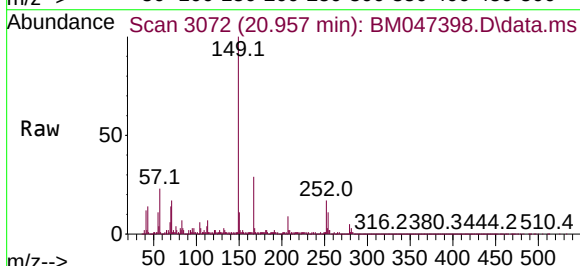
Tgt Ion:149 Resp: 920054

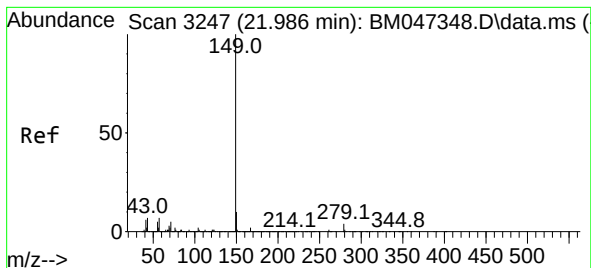
Ion Ratio Lower Upper

149 100

167 29.3 23.1 34.7

279 4.9 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 22.245 ng

RT: 21.986 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

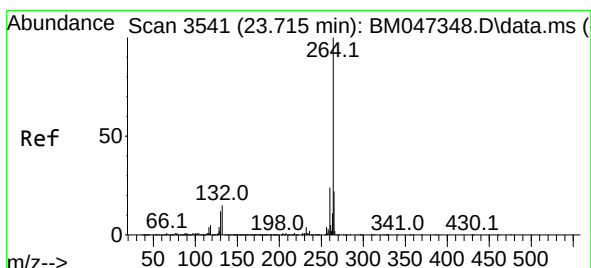
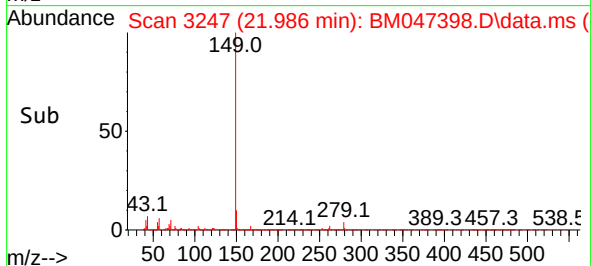
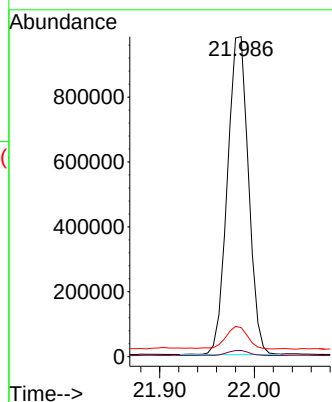
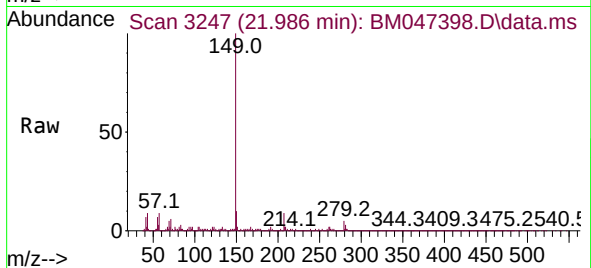
Tgt Ion:149 Resp: 1517021

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.2 6.1 9.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3543

Delta R.T. 0.012 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

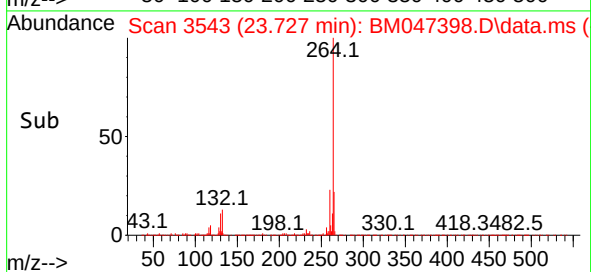
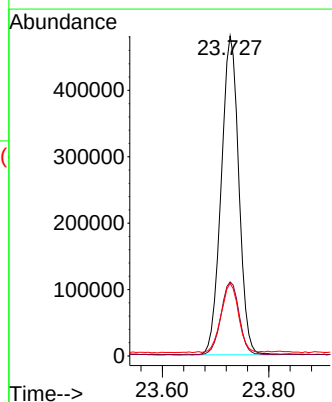
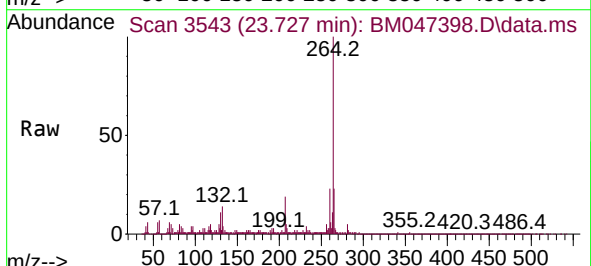
Tgt Ion:264 Resp: 1101251

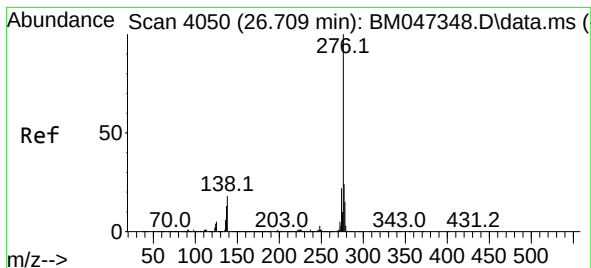
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.7 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.657 ng

RT: 26.745 min Scan# 4050

Delta R.T. 0.036 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

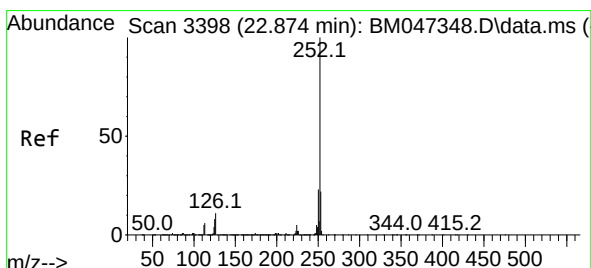
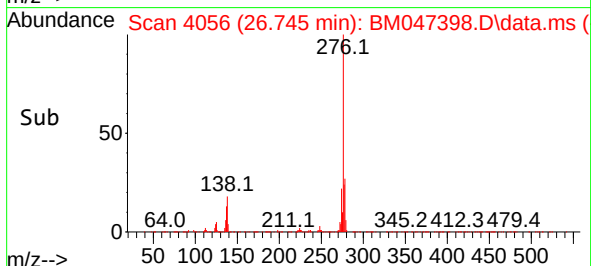
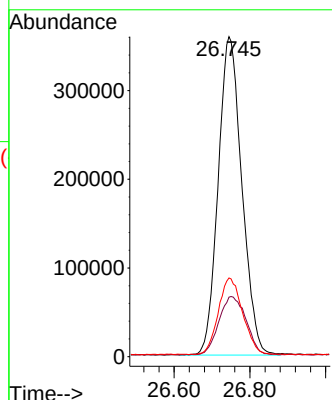
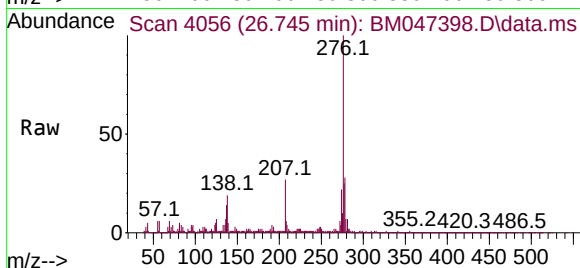
Tgt Ion:276 Resp: 1561919

Ion Ratio Lower Upper

276 100

138 20.9 17.7 26.5

277 24.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 20.958 ng

RT: 22.880 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

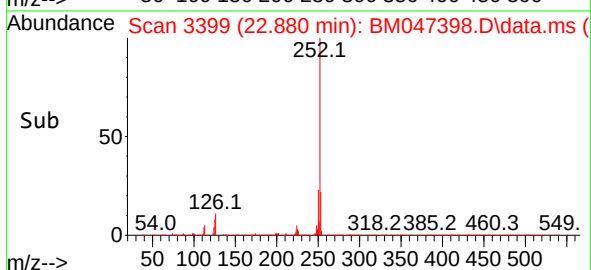
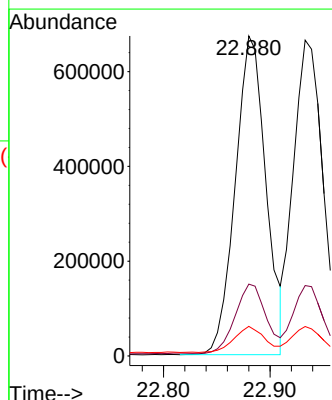
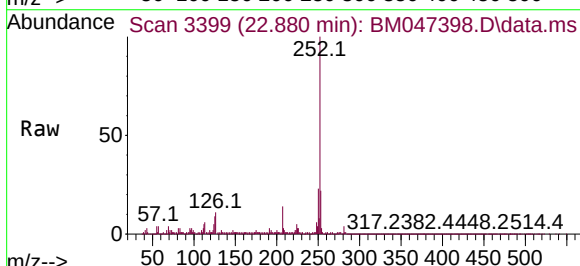
Tgt Ion:252 Resp: 1346548

Ion Ratio Lower Upper

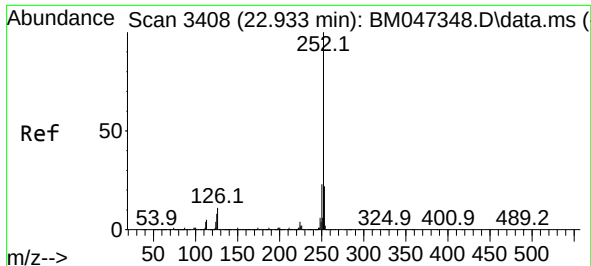
252 100

253 22.4 17.8 26.6

125 9.2 6.6 10.0



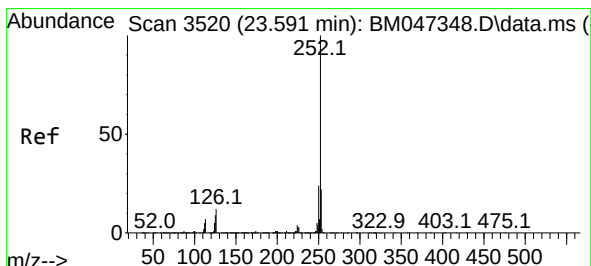
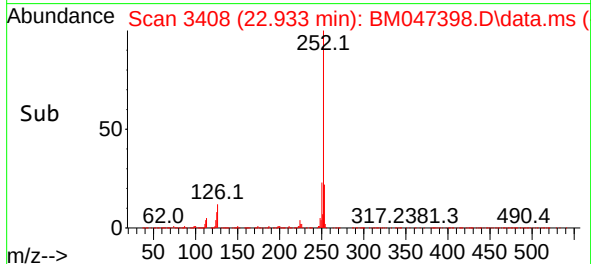
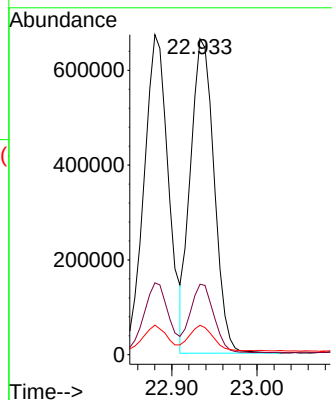
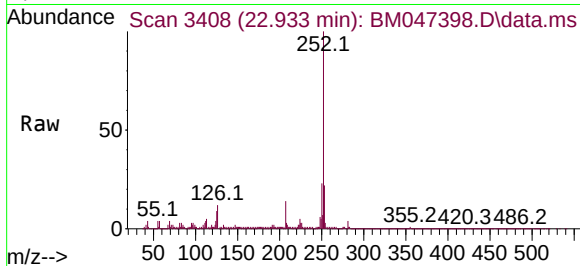




#89  
Benzo(k)fluoranthene  
Concen: 21.031 ng  
RT: 22.933 min Scan# 3408  
Delta R.T. 0.000 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

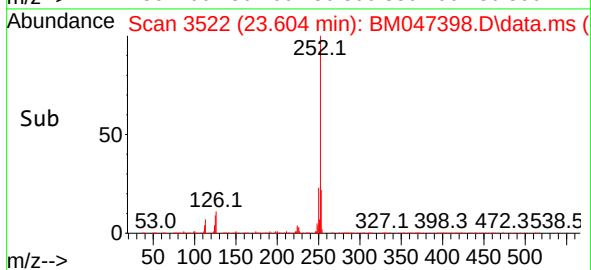
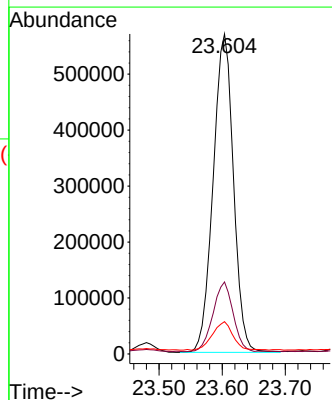
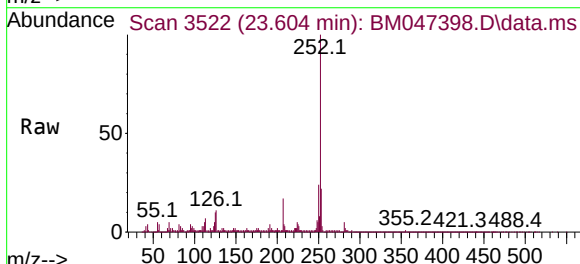
Instrument :  
BNA\_M  
ClientSampleId :  
AU-06-082824MSD

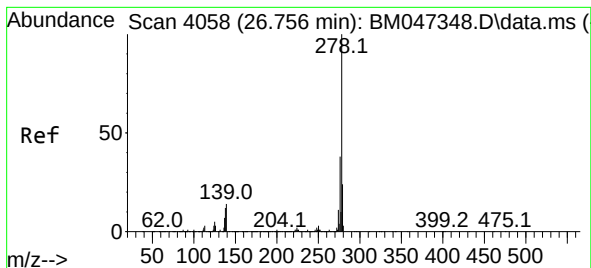
Tgt Ion:252 Resp: 1280893  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 9.3 6.6 9.8



#90  
Benzo(a)pyrene  
Concen: 22.904 ng  
RT: 23.604 min Scan# 3522  
Delta R.T. 0.012 min  
Lab File: BM047398.D  
Acq: 29 Aug 2024 17:45

Tgt Ion:252 Resp: 1272611  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.7 26.5  
125 10.1 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 22.468 ng

RT: 26.780 min Scan# 4058

Delta R.T. 0.024 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Instrument :

BNA\_M

ClientSampleId :

AU-06-082824MSD

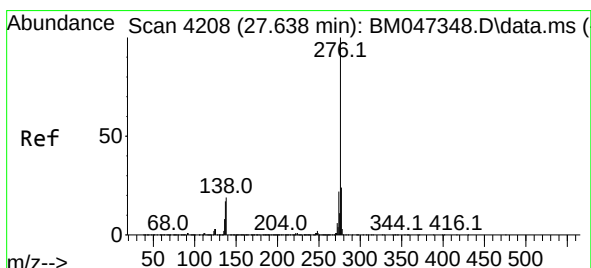
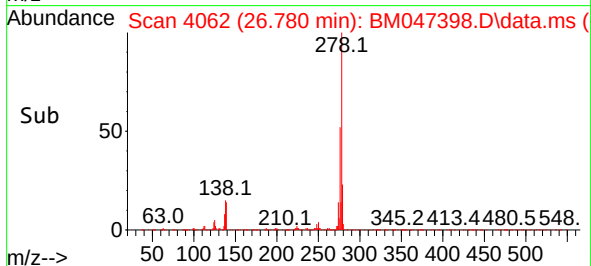
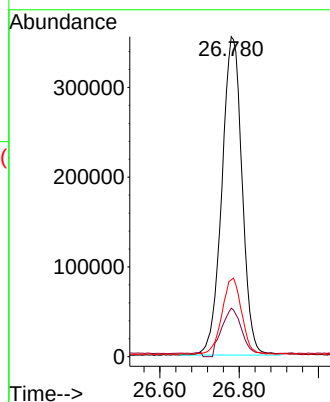
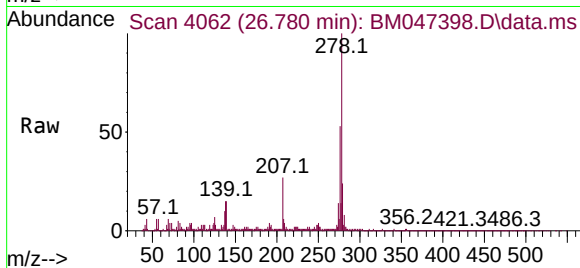
Tgt Ion:278 Resp: 1254793

Ion Ratio Lower Upper

278 100

139 15.1 11.1 16.7

279 24.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 20.512 ng

RT: 27.680 min Scan# 4215

Delta R.T. 0.042 min

Lab File: BM047398.D

Acq: 29 Aug 2024 17:45

Tgt Ion:276 Resp: 1190930

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 18.3 15.0 22.6

