

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102524\  
 Data File : BM048232.D  
 Acq On : 25 Oct 2024 12:19  
 Operator : RC/JU  
 Sample : PB164369BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB164369BS

Quant Time: Oct 25 13:07:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM102324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 23 18:21:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.716  | 152  | 603416   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.510 | 136  | 2299200  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.368 | 164  | 1298776  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.109 | 188  | 2277273  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.339 | 240  | 1649364  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.285 | 264  | 1859426  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.310  | 112  | 2322651  | 64.702 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.904  | 99   | 2788862  | 59.655 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.880  | 82   | 1666294  | 40.920 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.857 | 330  | 886254   | 55.749 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.986 | 172  | 3490524  | 41.240 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.733 | 244  | 3897811  | 48.227 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.204  | 88   | 256836   | 17.479 | ng    | 98       |
| 3) Pyridine                   | 3.604  | 79   | 683376   | 17.507 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.510  | 42   | 359445   | 21.688 | ng    | 98       |
| 6) Aniline                    | 7.051  | 93   | 844047   | 21.750 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.286  | 128  | 846106   | 21.695 | ng    | 99       |
| 9) Benzaldehyde               | 6.863  | 77   | 139168   | 6.059  | ng    | 98       |
| 10) Phenol                    | 6.928  | 94   | 1027361  | 21.843 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.145  | 93   | 795636   | 21.237 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.610  | 146  | 890861   | 19.813 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.757  | 146  | 910202   | 19.926 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.069  | 146  | 870482   | 19.718 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.969  | 79   | 678423   | 22.747 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.239  | 45   | 1170824  | 21.367 | ng    | 98       |
| 17) 2-Methylphenol            | 8.175  | 107  | 659256   | 21.093 | ng    | 99       |
| 18) Hexachloroethane          | 8.792  | 117  | 328232   | 19.605 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.533  | 70   | 578373   | 19.555 | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.504  | 107  | 887725   | 20.504 | ng    | 98       |
| 22) Acetophenone              | 8.545  | 105  | 1161984  | 20.708 | ng    | # 99     |
| 24) Nitrobenzene              | 8.922  | 77   | 850606   | 20.161 | ng    | 98       |
| 25) Isophorone                | 9.451  | 82   | 1530573  | 20.506 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.628  | 139  | 425395   | 21.837 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.698  | 122  | 625019   | 26.445 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 9.927  | 93   | 986928   | 20.895 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 737520   | 21.692 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.375 | 180  | 761833   | 19.565 | ng    | 99       |
| 31) Naphthalene               | 10.557 | 128  | 2390076  | 19.931 | ng    | 99       |
| 32) Benzoic acid              | 9.869  | 122  | 480785   | 18.275 | ng    | 99       |
| 33) 4-Chloroaniline           | 10.680 | 127  | 330765   | 8.505  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.845 | 225  | 474985   | 19.681 | ng    | 97       |
| 35) Caprolactam               | 11.474 | 113  | 113811   | 10.305 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.816 | 107  | 705238   | 19.870 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.174 | 142  | 1612196  | 20.122 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.398 | 142  | 1493285  | 18.796 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.551 | 216  | 798435   | 21.509 | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 12.527 | 237  | 1094029  | 87.091 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.798 | 196  | 547468   | 22.223 | ng    | 97       |

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 QLast Update : Wed Oct 23 18:21:59 2024  
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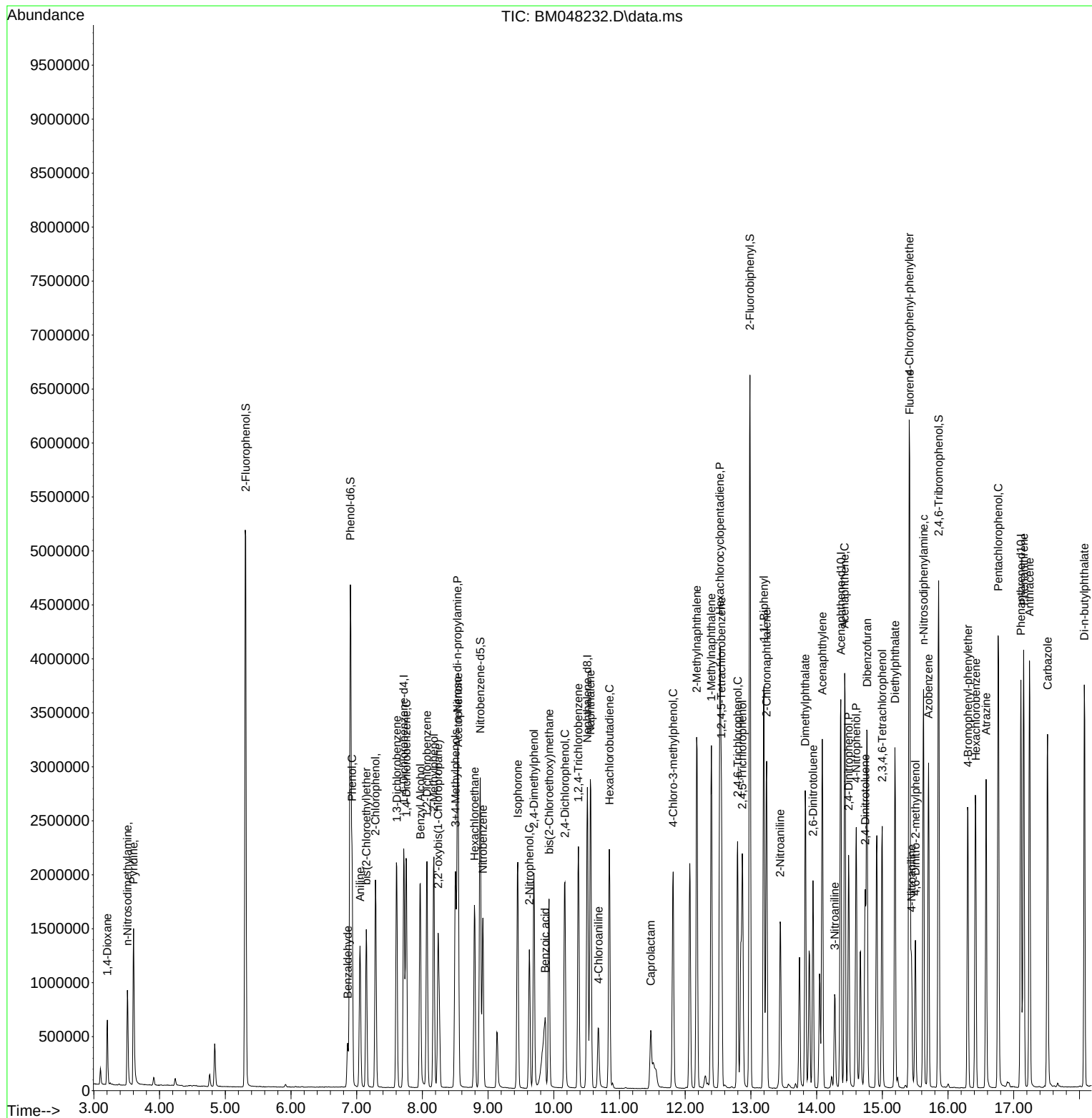
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.868 | 196  | 585202   | 21.302 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.198 | 154  | 1942561  | 20.949 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.239 | 162  | 1515755  | 20.731 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.445 | 65   | 429409   | 21.654 | ng    | 97       |
| 49) Acenaphthylene            | 14.086 | 152  | 2361177  | 22.135 | ng    | 99       |
| 50) Dimethylphthalate         | 13.827 | 163  | 1802937  | 20.335 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.945 | 165  | 389993   | 19.713 | ng    | 95       |
| 52) Acenaphthene              | 14.427 | 154  | 1404831  | 20.727 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.274 | 138  | 234067   | 12.546 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.486 | 184  | 470124   | 40.666 | ng    | 95       |
| 55) Dibenzofuran              | 14.768 | 168  | 2181958  | 20.263 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.604 | 139  | 677310   | 40.677 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.739 | 165  | 523160   | 20.025 | ng    | 98       |
| 58) Fluorene                  | 15.415 | 166  | 1662732  | 19.528 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 468269   | 20.565 | ng    | 98       |
| 60) Diethylphthalate          | 15.192 | 149  | 1757354  | 19.576 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.409 | 204  | 846419   | 19.881 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.445 | 138  | 368691   | 19.095 | ng    | 98       |
| 63) Azobenzene                | 15.704 | 77   | 1663024  | 20.669 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 295758   | 22.384 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.627 | 169  | 1432292  | 22.911 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.304 | 248  | 511134   | 22.138 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.421 | 284  | 588177   | 21.210 | ng    | 98       |
| 69) Atrazine                  | 16.580 | 200  | 479097   | 27.389 | ng    | 99       |
| 70) Pentachlorophenol         | 16.762 | 266  | 759290   | 41.705 | ng    | 98       |
| 71) Phenanthrene              | 17.151 | 178  | 2425725  | 21.511 | ng    | 100      |
| 72) Anthracene                | 17.239 | 178  | 2463705  | 22.570 | ng    | 99       |
| 73) Carbazole                 | 17.515 | 167  | 2166162  | 20.242 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.074 | 149  | 2751370  | 20.656 | ng    | 99       |
| 75) Fluoranthene              | 19.168 | 202  | 2531360  | 18.819 | ng    | 99       |
| 77) Benzidine                 | 19.356 | 184  | 869991   | 45.704 | ng    | 99       |
| 78) Pyrene                    | 19.527 | 202  | 2670908  | 24.194 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.427 | 149  | 1052820  | 22.806 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.315 | 228  | 2333439  | 22.139 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.244 | 252  | 535488   | 14.833 | ng    | 99       |
| 83) Chrysene                  | 21.380 | 228  | 2203286  | 21.778 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 1534014  | 22.863 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.350 | 149  | 2500797  | 21.520 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.615 | 276  | 2775096  | 22.569 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.356 | 252  | 2259445  | 21.193 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.415 | 252  | 2234597  | 21.679 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.150 | 252  | 2135562  | 23.041 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.662 | 278  | 2299349  | 22.456 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.644 | 276  | 2146032  | 20.467 | ng    | 98       |

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

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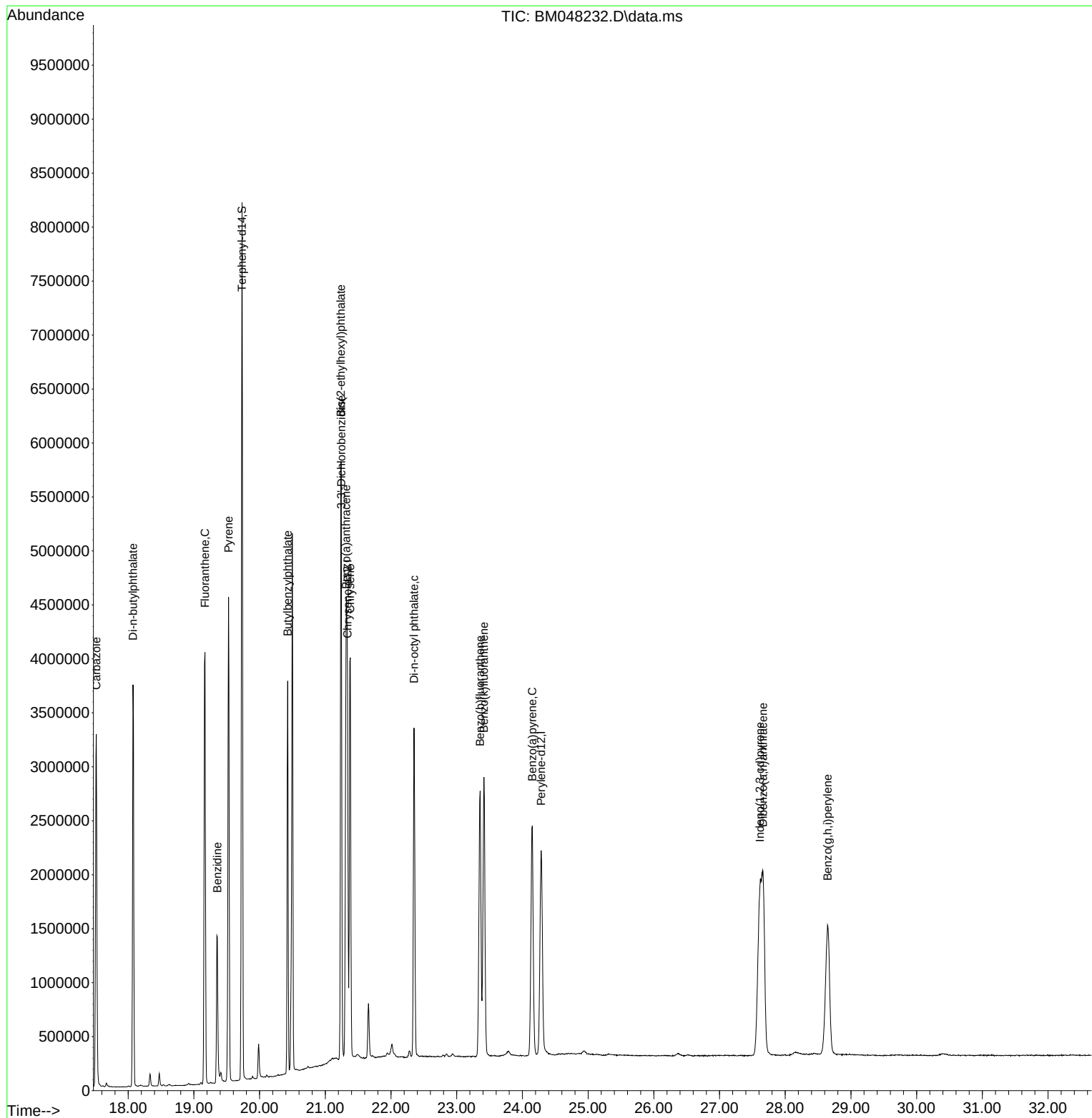
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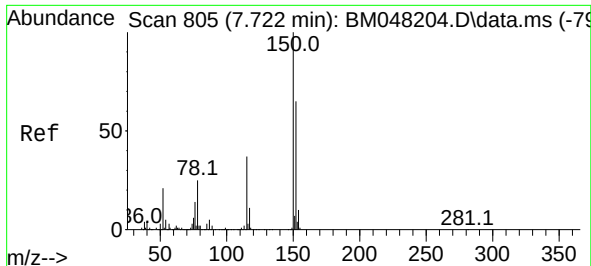


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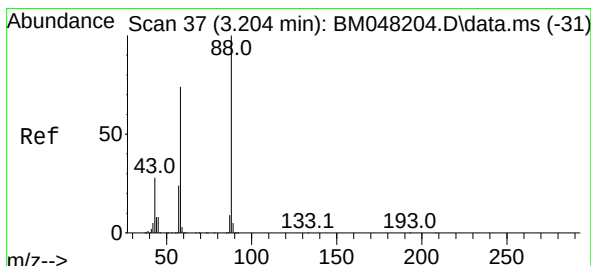
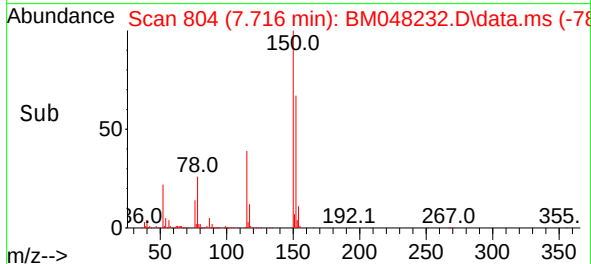
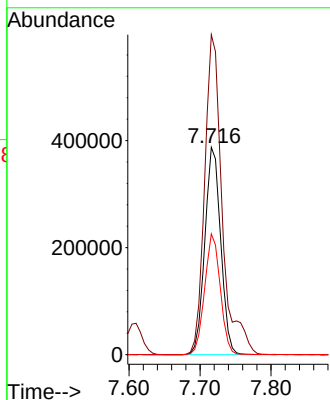
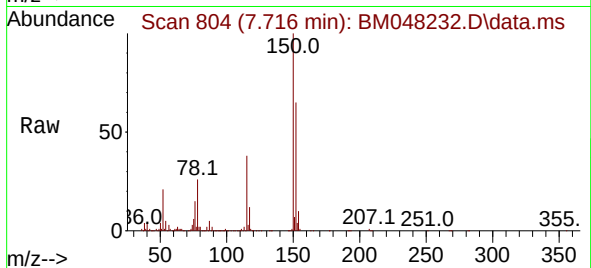




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.716 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BM048232.D  
 Acq: 25 Oct 2024 12:19

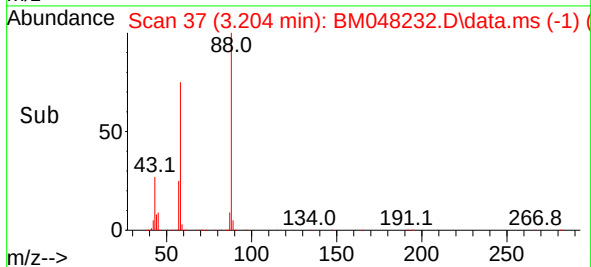
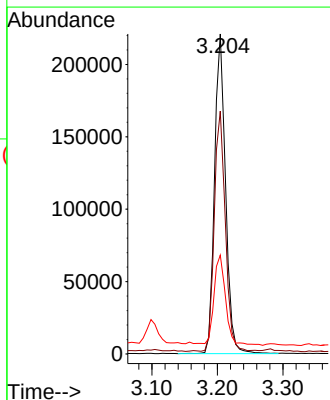
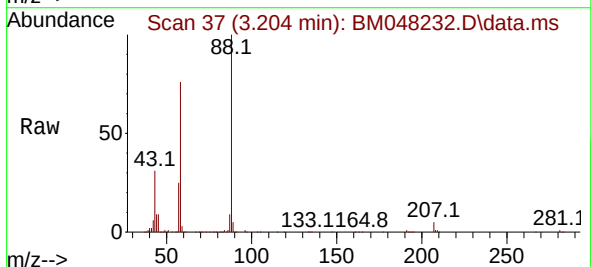
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 ClientSampleId :  
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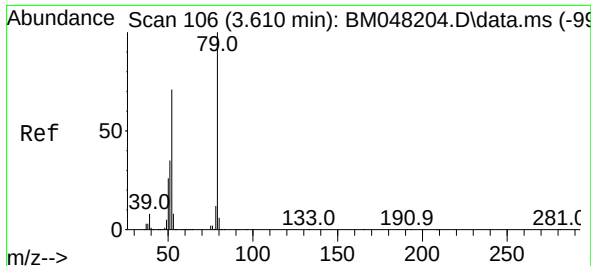
Tgt Ion:152 Resp: 603416  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 123.0 184.6  
 115 58.3 45.8 68.6



#2  
 1,4-Dioxane  
 Concen: 17.479 ng  
 RT: 3.204 min Scan# 37  
 Delta R.T. 0.000 min  
 Lab File: BM048232.D  
 Acq: 25 Oct 2024 12:19

Tgt Ion: 88 Resp: 256836  
 Ion Ratio Lower Upper  
 88 100  
 58 75.6 59.7 89.5  
 43 30.1 22.6 33.8

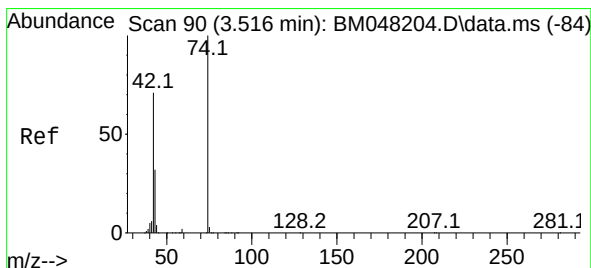
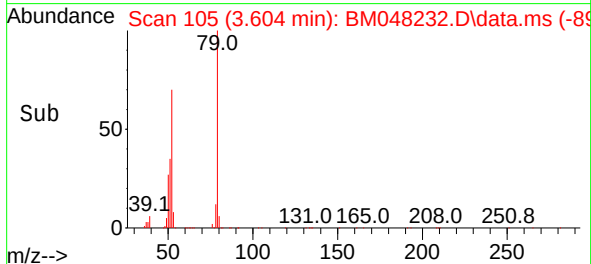
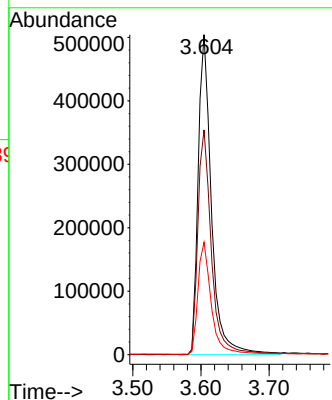
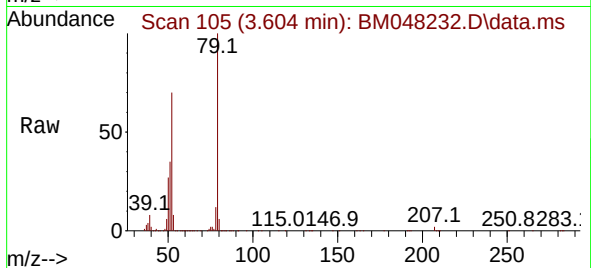




#3  
Pyridine  
Concen: 17.507 ng  
RT: 3.604 min Scan# 106  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

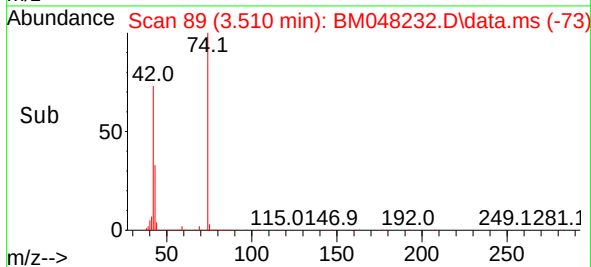
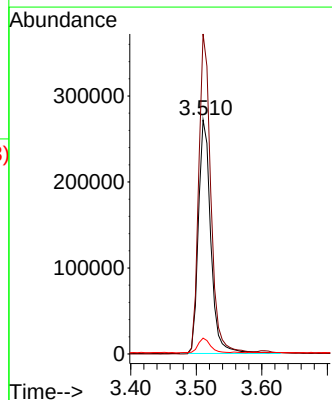
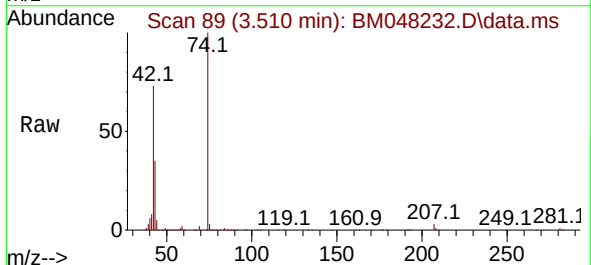
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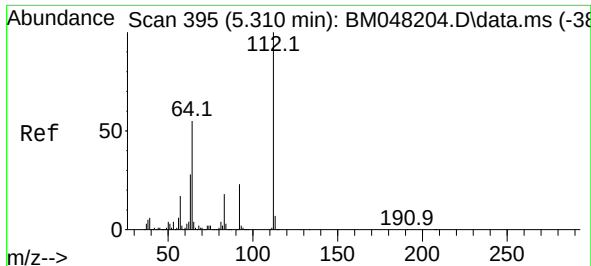
Tgt Ion: 79 Resp: 683376  
Ion Ratio Lower Upper  
79 100  
52 70.3 56.5 84.7  
51 35.2 28.5 42.7



#4  
n-Nitrosodimethylamine  
Concen: 21.688 ng  
RT: 3.510 min Scan# 89  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 42 Resp: 359445  
Ion Ratio Lower Upper  
42 100  
74 136.7 111.8 167.6  
44 6.8 6.0 9.0

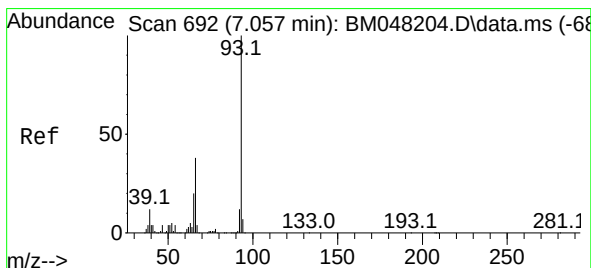
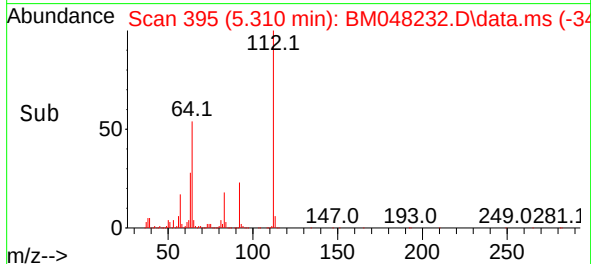
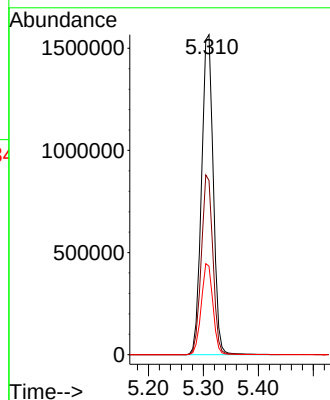
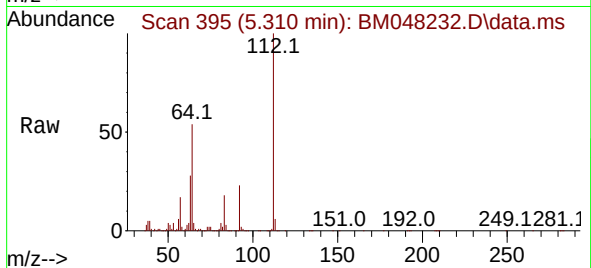




#5  
2-Fluorophenol  
Concen: 64.702 ng  
RT: 5.310 min Scan# 395  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

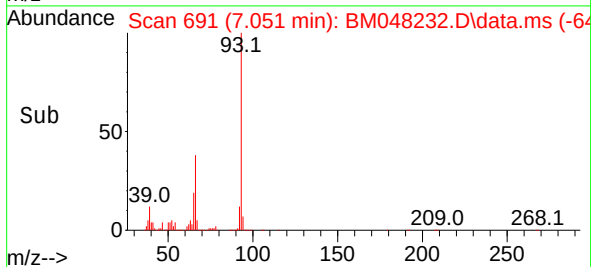
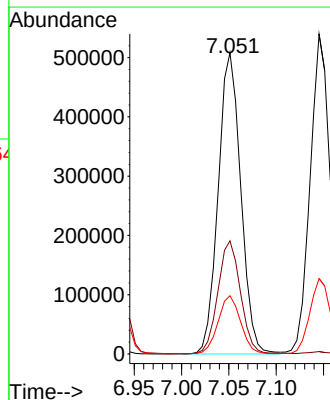
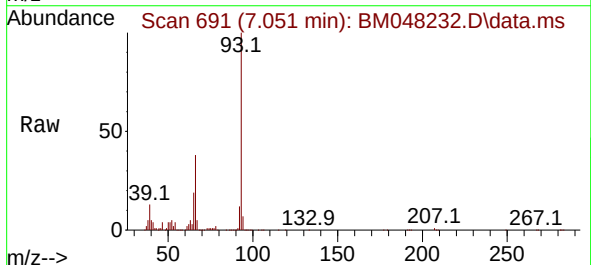
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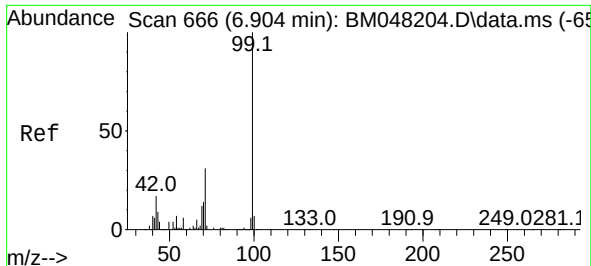
Tgt Ion:112 Resp: 2322651  
Ion Ratio Lower Upper  
112 100  
64 54.5 44.2 66.2  
63 27.7 22.7 34.1



#6  
Aniline  
Concen: 21.750 ng  
RT: 7.051 min Scan# 691  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
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Tgt Ion: 93 Resp: 844047  
Ion Ratio Lower Upper  
93 100  
66 37.6 30.2 45.2  
65 19.4 16.2 24.2

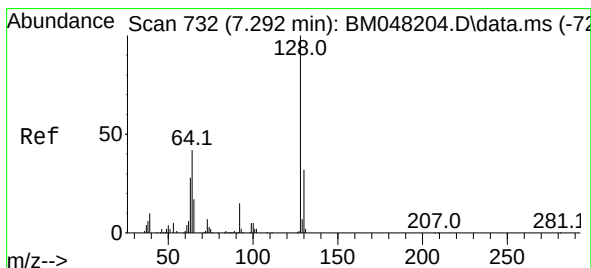
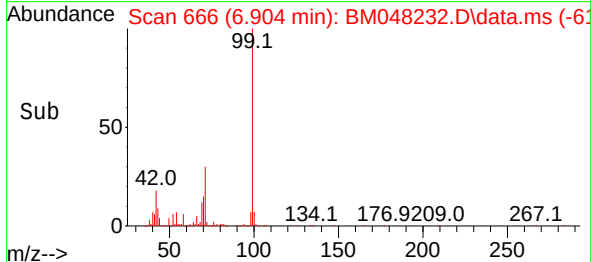
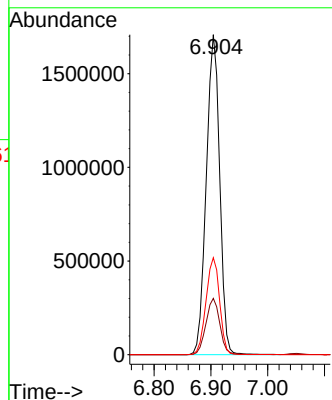
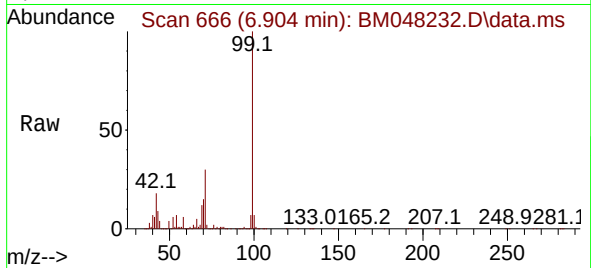




#7  
Phenol-d6  
Concen: 59.655 ng  
RT: 6.904 min Scan# 666  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
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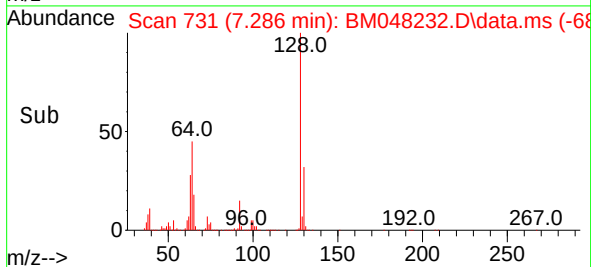
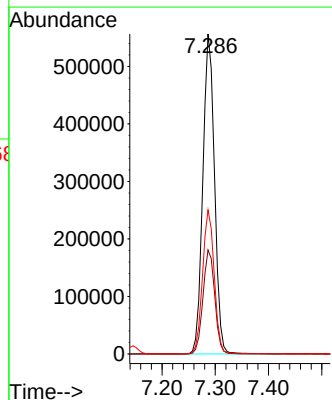
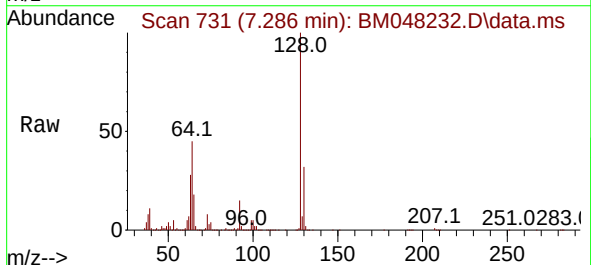
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ClientSampleId :  
PB164369BS

Tgt Ion: 99 Resp: 2788862  
Ion Ratio Lower Upper  
99 100  
42 17.6 13.8 20.8  
71 30.3 24.9 37.3

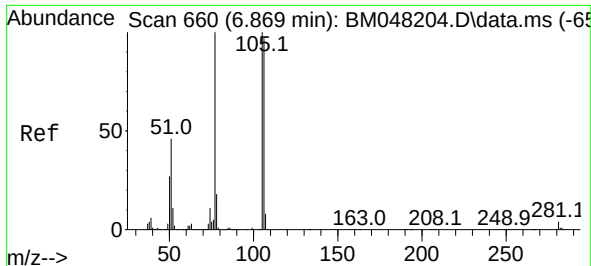


#8  
2-Chlorophenol  
Concen: 21.695 ng  
RT: 7.286 min Scan# 731  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 128 Resp: 846106  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.1 52.1  
64 45.0 23.8 63.8



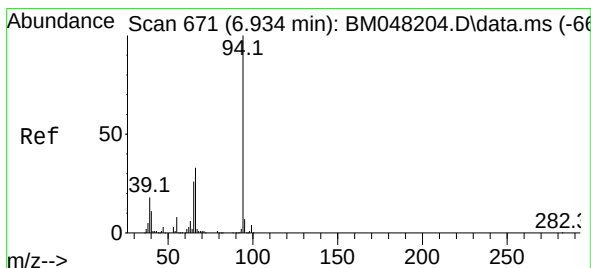
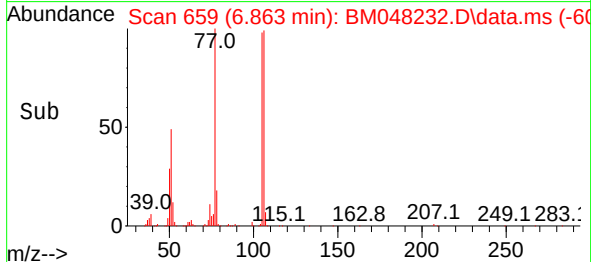
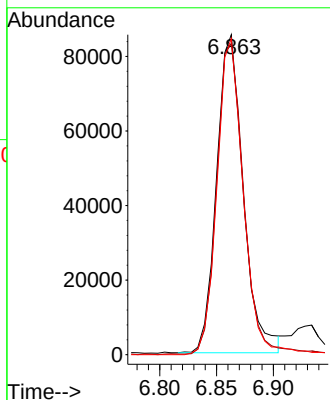
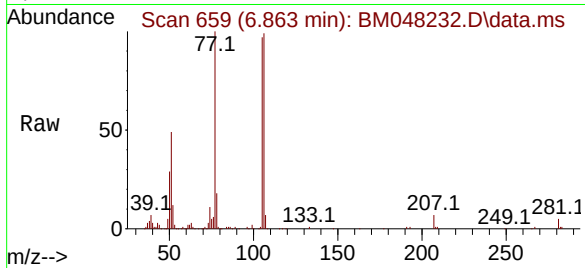




#9  
Benzaldehyde  
Concen: 6.059 ng  
RT: 6.863 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

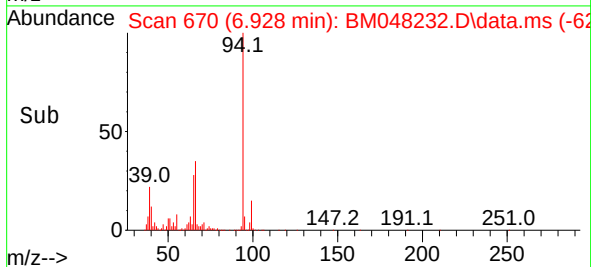
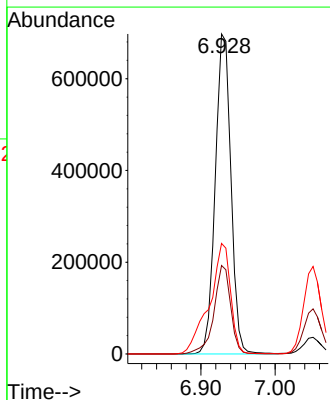
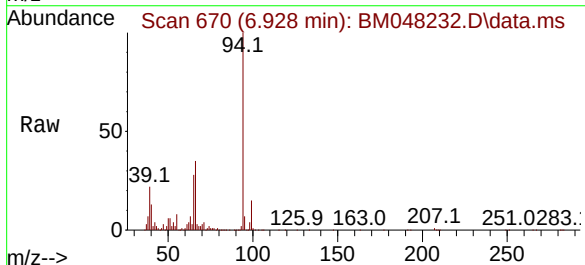
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

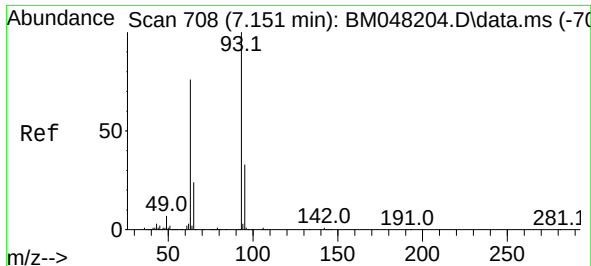
Tgt Ion: 77 Resp: 139168  
Ion Ratio Lower Upper  
77 100  
105 97.3 79.6 119.6  
106 98.8 77.0 117.0



#10  
Phenol  
Concen: 21.843 ng  
RT: 6.928 min Scan# 670  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 94 Resp: 1027361  
Ion Ratio Lower Upper  
94 100  
65 27.6 6.5 46.5  
66 34.6 13.6 53.6

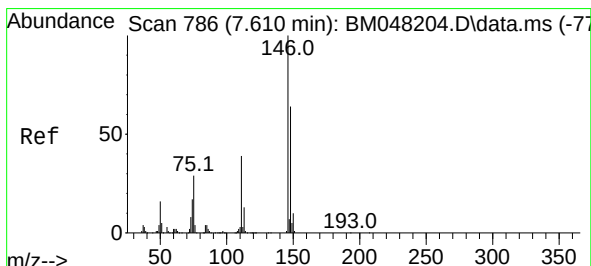
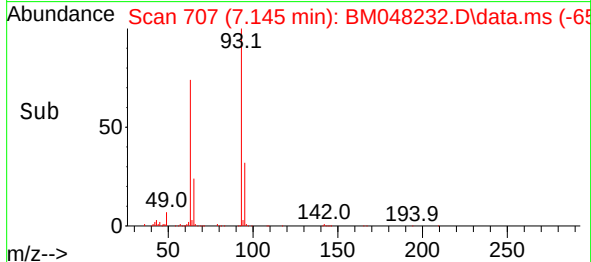
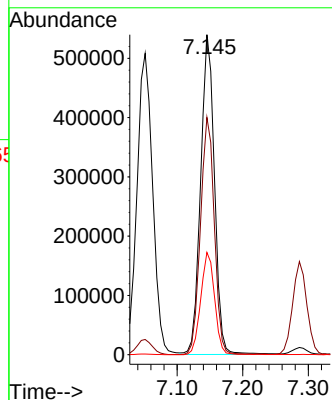
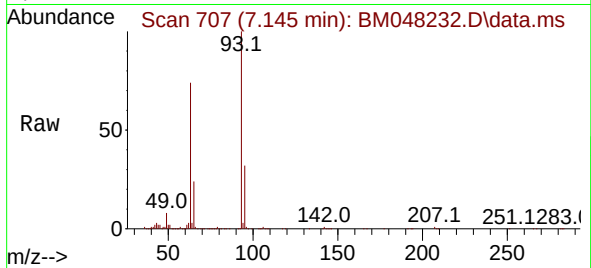




#11  
bis(2-Chloroethyl)ether  
Concen: 21.237 ng  
RT: 7.145 min Scan# 708  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

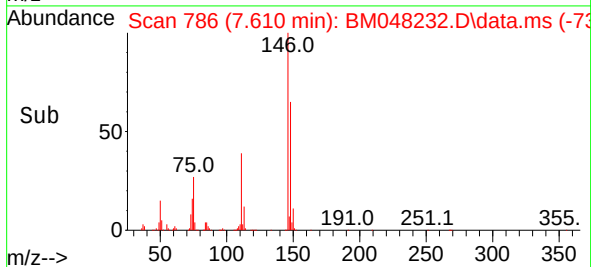
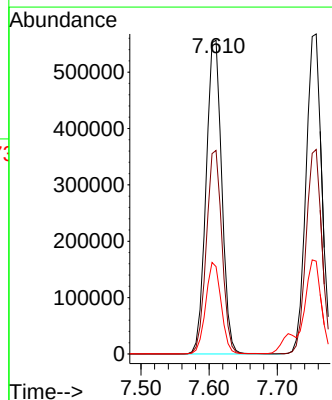
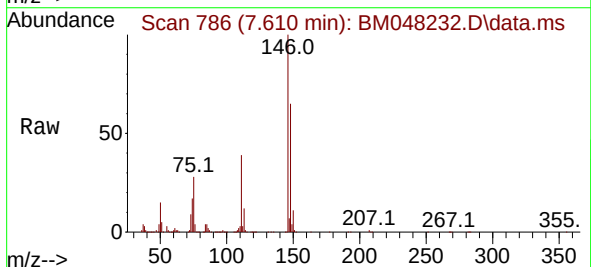
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

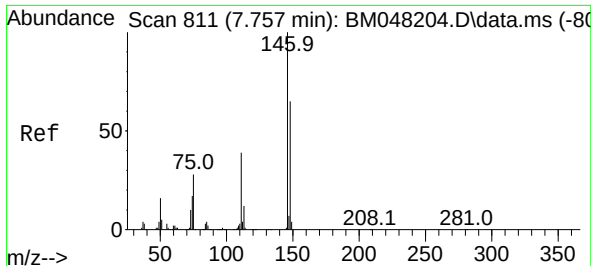
Tgt Ion: 93 Resp: 795636  
Ion Ratio Lower Upper  
93 100  
63 74.1 55.3 95.3  
95 32.0 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 19.813 ng  
RT: 7.610 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 146 Resp: 890861  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.0 76.6  
75 27.8 22.9 34.3

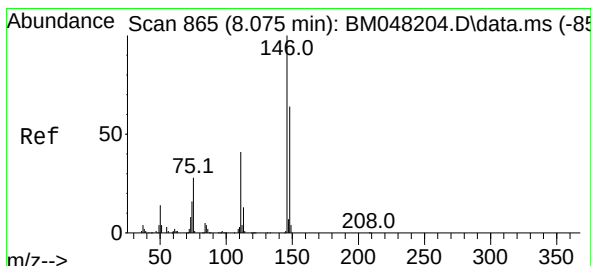
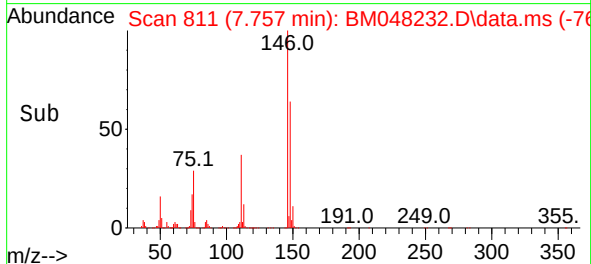
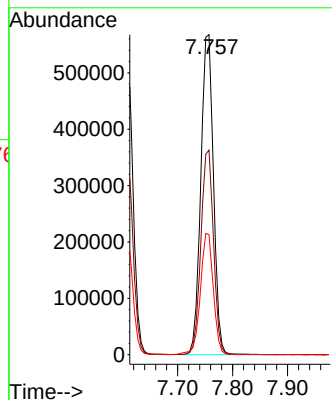
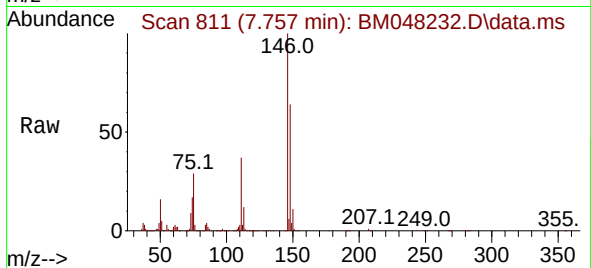




#13  
1,4-Dichlorobenzene  
Concen: 19.926 ng  
RT: 7.757 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

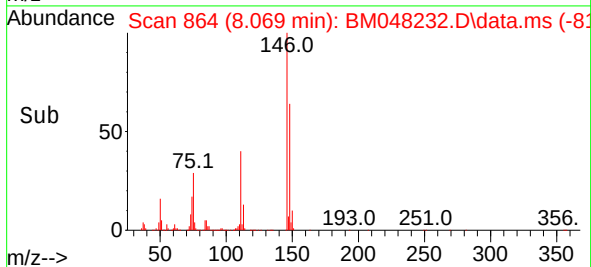
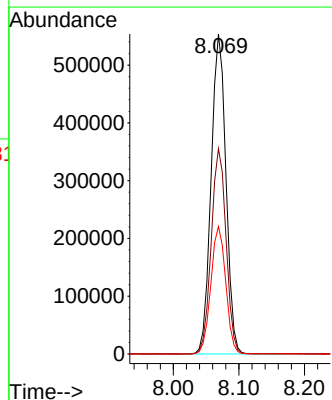
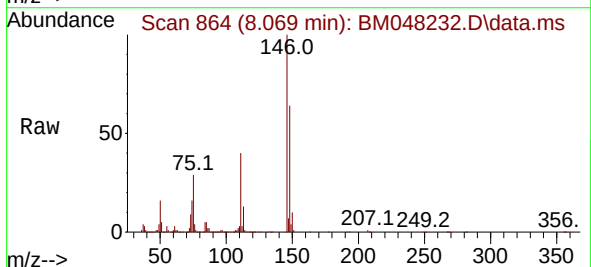
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

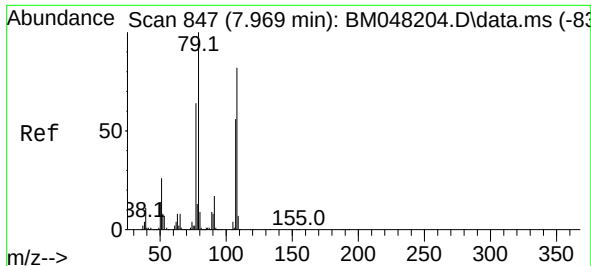
Tgt Ion:146 Resp: 910202  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.7 77.5  
111 37.5 31.4 47.2



#14  
1,2-Dichlorobenzene  
Concen: 19.718 ng  
RT: 8.069 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:146 Resp: 870482  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.3 76.9  
111 39.9 32.7 49.1

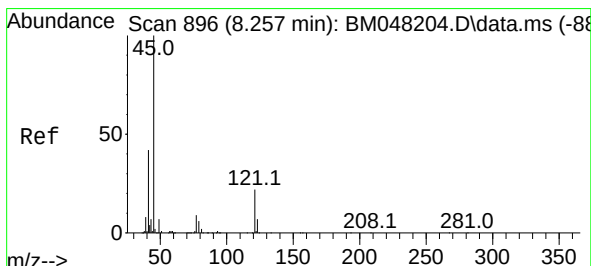
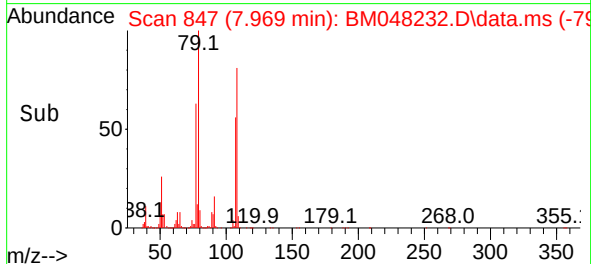
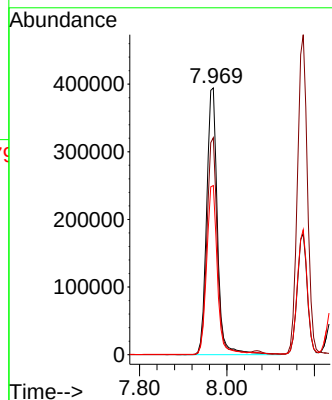
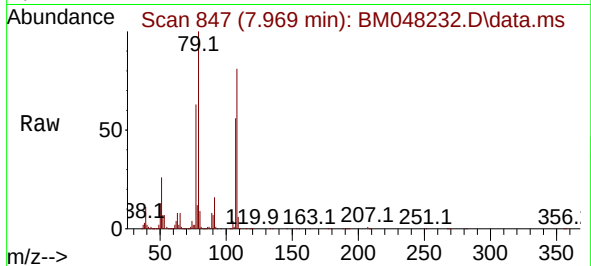




#15  
Benzyl Alcohol  
Concen: 22.747 ng  
RT: 7.969 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

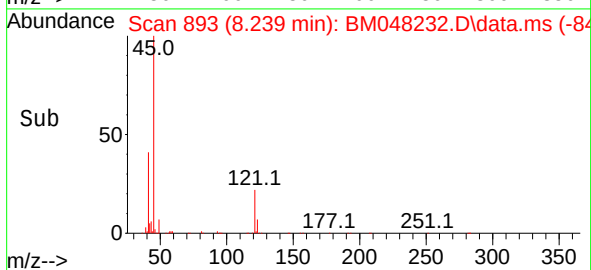
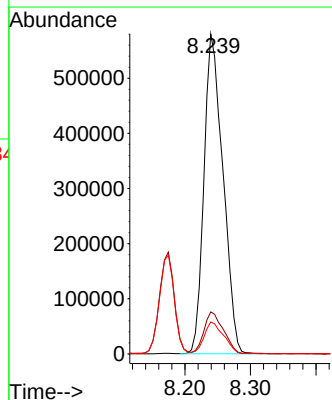
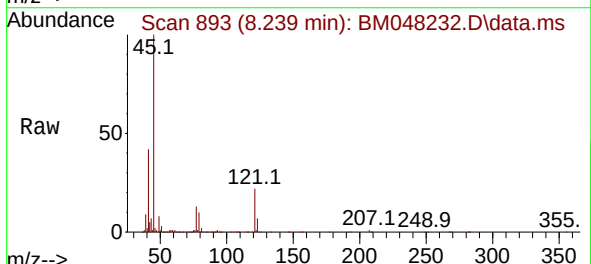
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

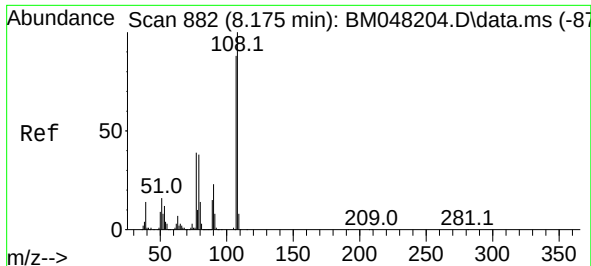
Tgt Ion: 79 Resp: 678423  
Ion Ratio Lower Upper  
79 100  
108 81.3 65.2 97.8  
77 63.4 51.4 77.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 21.367 ng  
RT: 8.239 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 45 Resp: 1170824  
Ion Ratio Lower Upper  
45 100  
77 13.2 0.0 34.2  
79 10.0 0.0 30.7

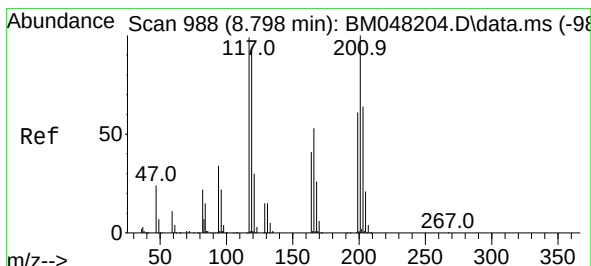
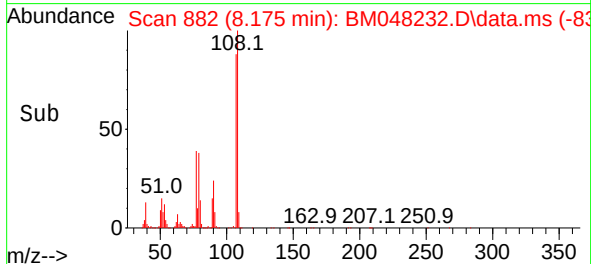
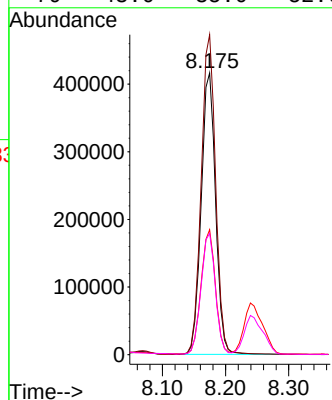
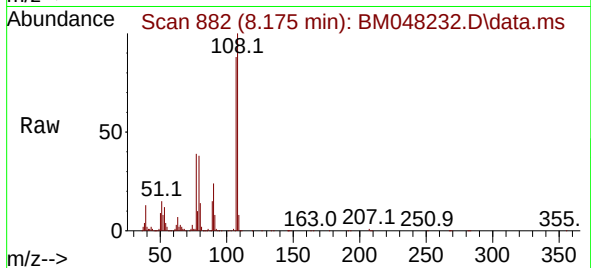




#17  
2-Methylphenol  
Concen: 21.093 ng  
RT: 8.175 min Scan# 882  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

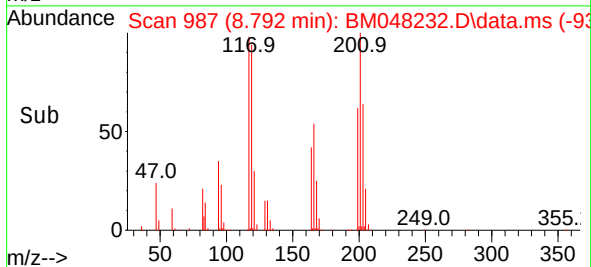
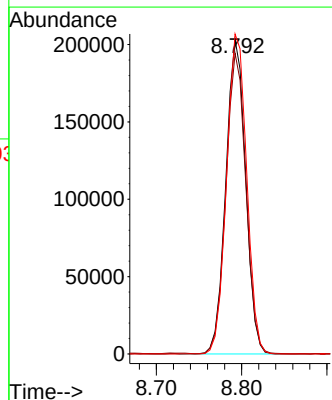
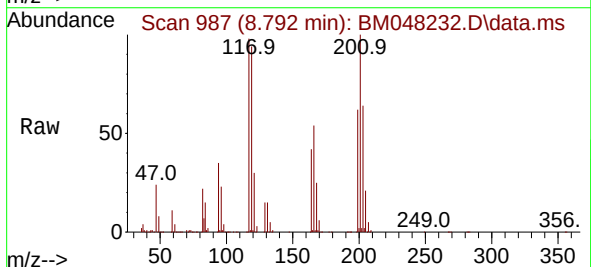
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

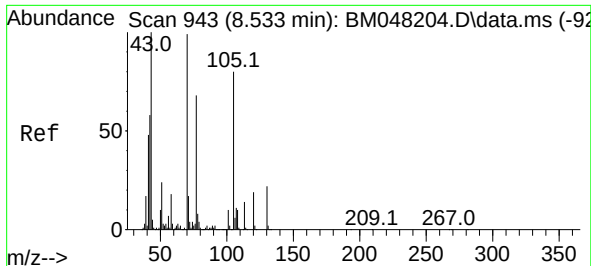
Tgt Ion:107 Resp: 659256  
Ion Ratio Lower Upper  
107 100  
108 113.5 91.3 136.9  
77 44.3 36.2 54.2  
79 43.0 35.0 52.6



#18  
Hexachloroethane  
Concen: 19.605 ng  
RT: 8.792 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:117 Resp: 328232  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.5 114.7  
201 101.8 80.9 121.3



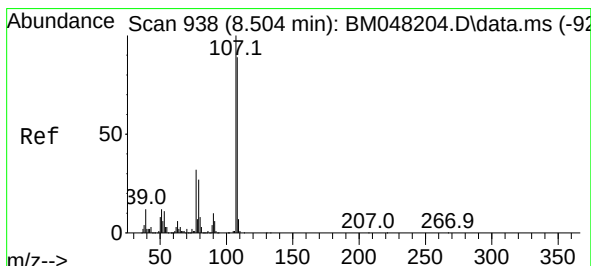
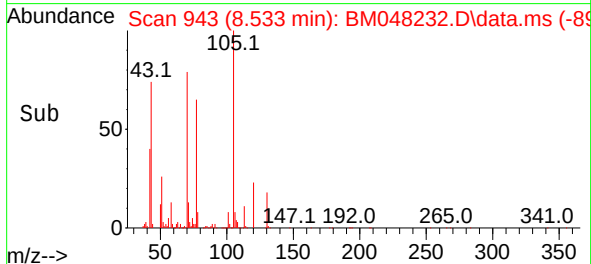
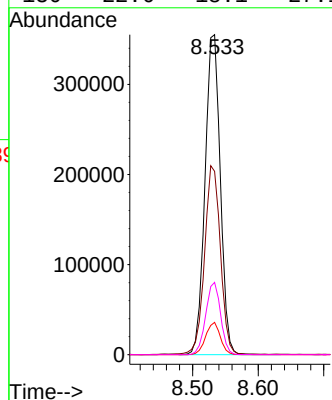
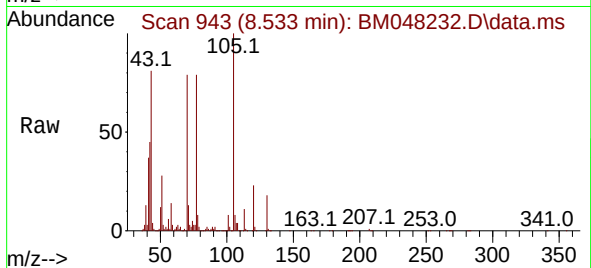


#19  
n-Nitroso-di-n-propylamine  
Concen: 19.555 ng  
RT: 8.533 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

Tgt Ion: 70 Resp: 578373

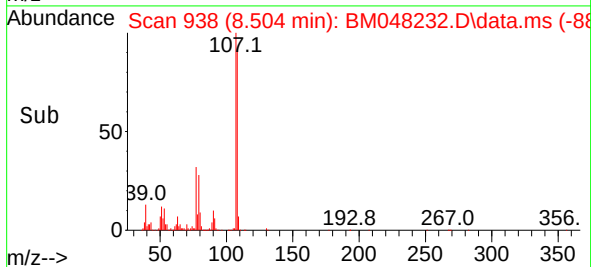
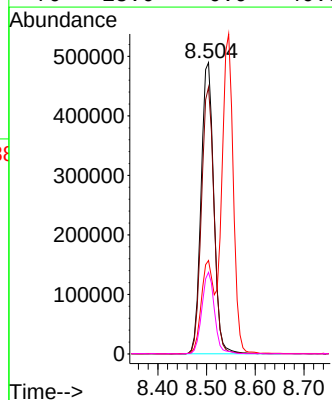
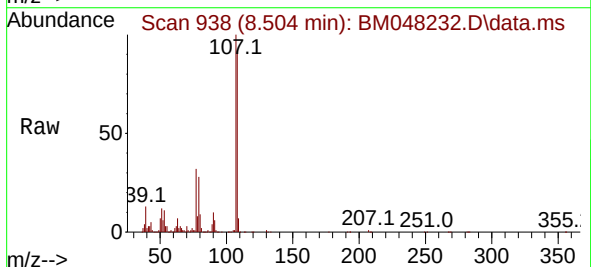
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.3  | 47.0  | 70.6  |
| 101 | 10.1  | 7.8   | 11.6  |
| 130 | 22.6  | 18.1  | 27.1  |

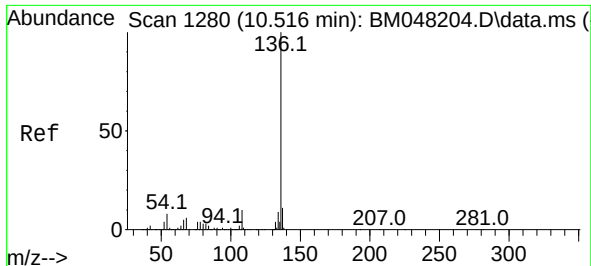


#20  
3+4-Methylphenols  
Concen: 20.504 ng  
RT: 8.504 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion: 107 Resp: 887725

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 91.5  | 69.0  | 109.0 |
| 77  | 32.1  | 12.3  | 52.3  |
| 79  | 28.0  | 6.9   | 46.9  |

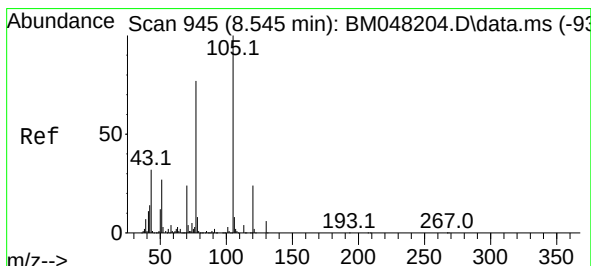
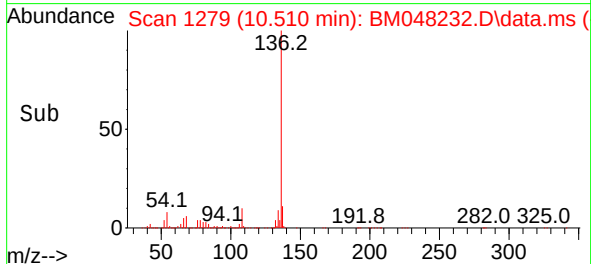
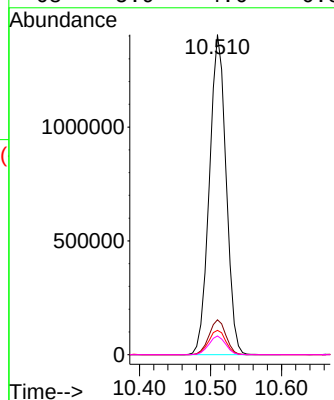
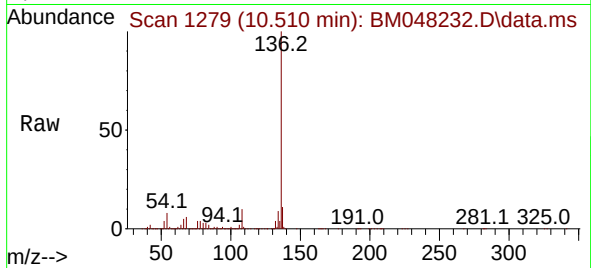




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.510 min Scan# 1280  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

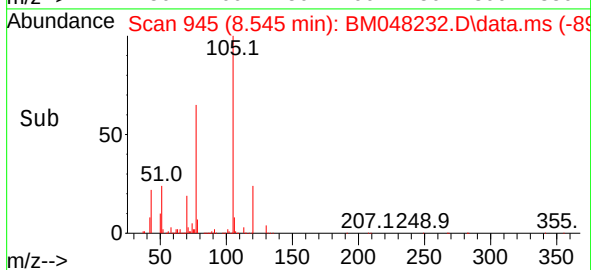
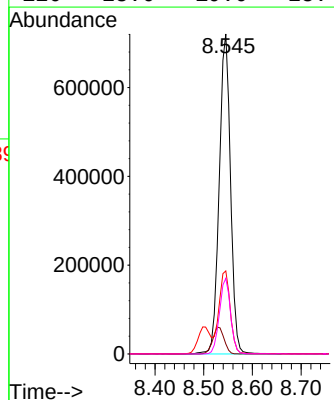
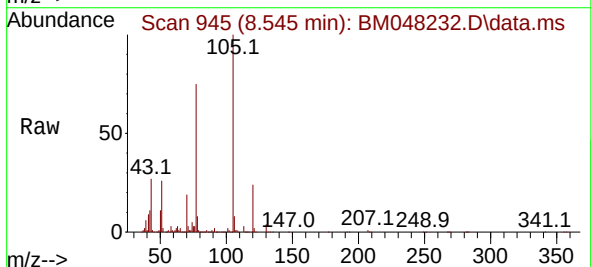
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

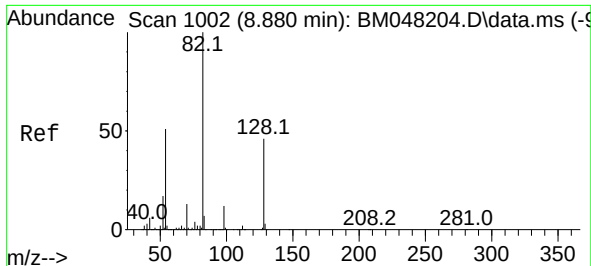
Tgt Ion:136 Resp: 2299200  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.6 6.5 9.7  
68 5.9 4.6 6.8



#22  
Acetophenone  
Concen: 20.708 ng  
RT: 8.545 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:105 Resp: 1161984  
Ion Ratio Lower Upper  
105 100  
71 3.1 3.4 5.0#  
51 25.9 21.7 32.5  
120 23.6 19.0 28.4





#23

Nitrobenzene-d5

Concen: 40.920 ng

RT: 8.880 min Scan# 1002

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

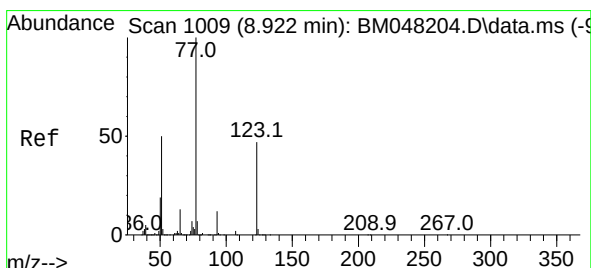
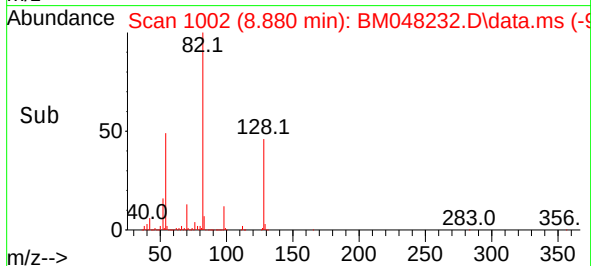
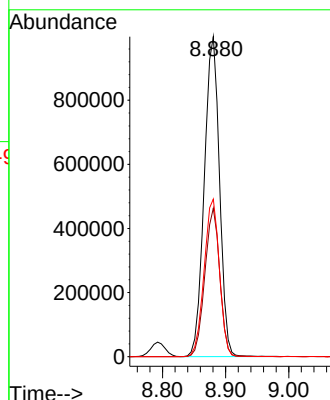
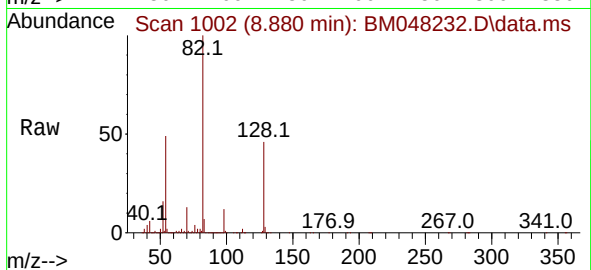
BNA\_M

ClientSampleId :

PB164369BS

Tgt Ion: 82 Resp: 1666294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.4  | 36.6  | 54.8  |
| 54  | 49.3  | 41.0  | 61.4  |



#24

Nitrobenzene

Concen: 20.161 ng

RT: 8.922 min Scan# 1009

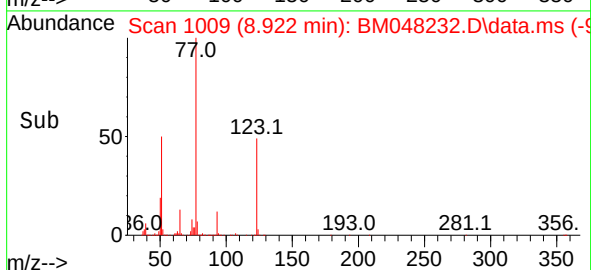
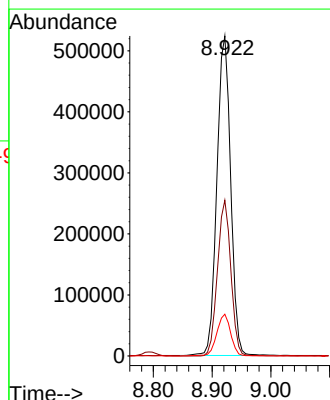
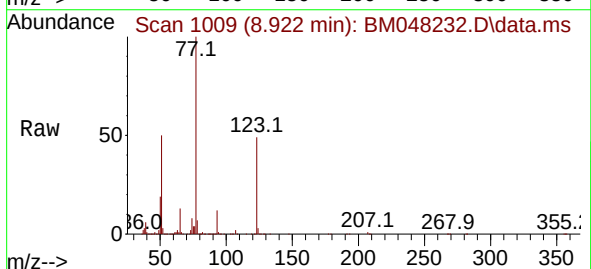
Delta R.T. 0.000 min

Lab File: BM048232.D

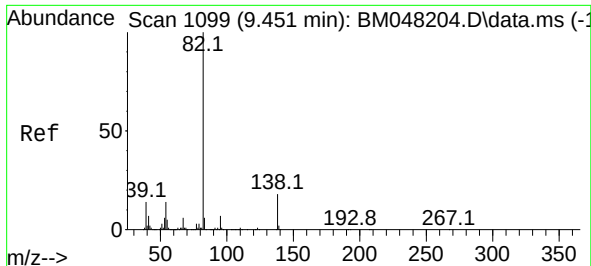
Acq: 25 Oct 2024 12:19

Tgt Ion: 77 Resp: 850606

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 48.7  | 37.8  | 56.6  |
| 65  | 13.1  | 10.4  | 15.6  |







#25

Isophorone

Concen: 20.506 ng

RT: 9.451 min Scan# 1099

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

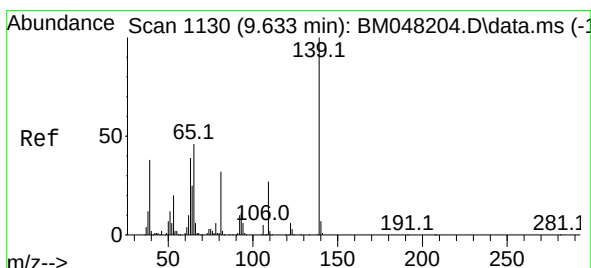
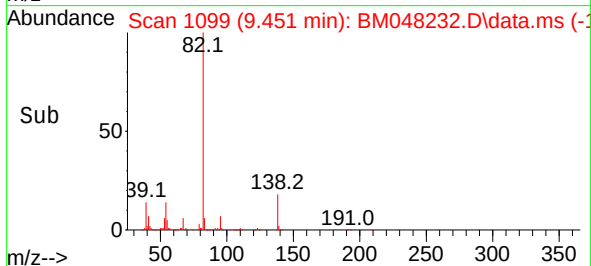
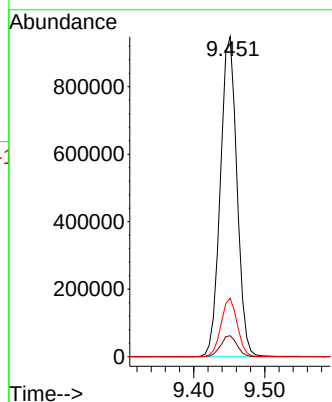
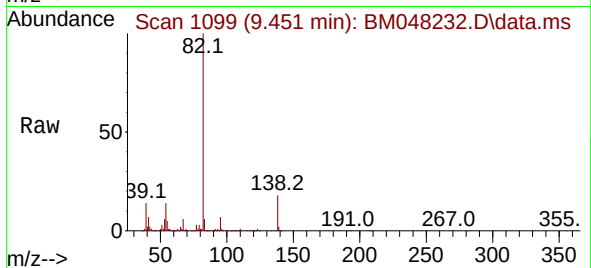
Tgt Ion: 82 Resp: 1530573

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.2 14.3 21.5



#26

2-Nitrophenol

Concen: 21.837 ng

RT: 9.628 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

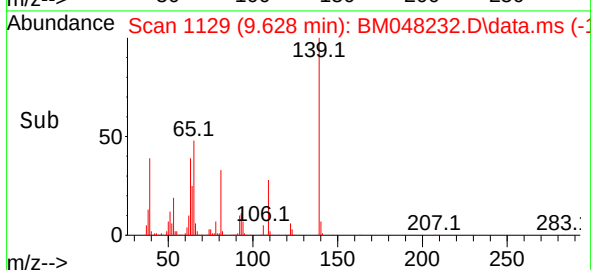
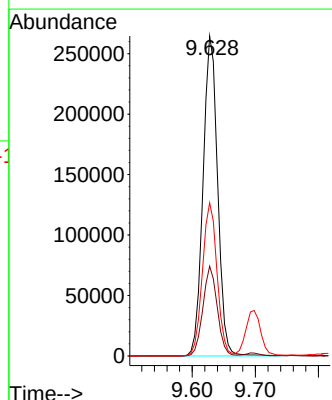
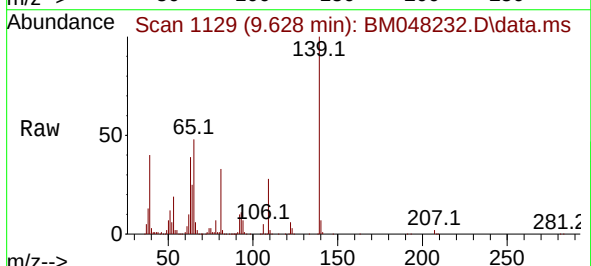
Tgt Ion:139 Resp: 425395

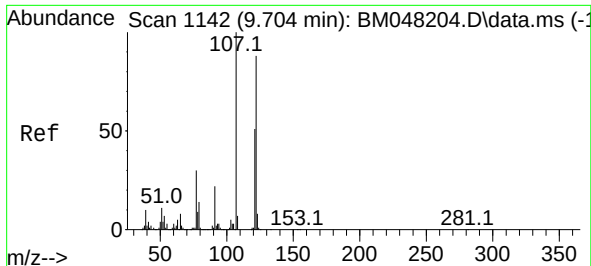
Ion Ratio Lower Upper

139 100

109 28.1 21.2 31.8

65 47.9 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 26.445 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

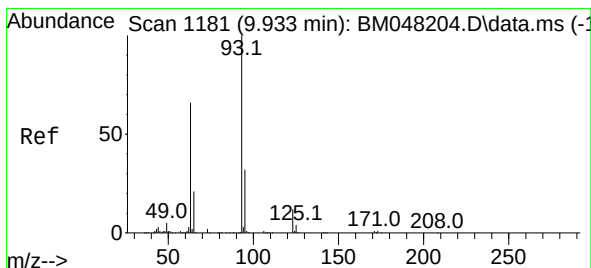
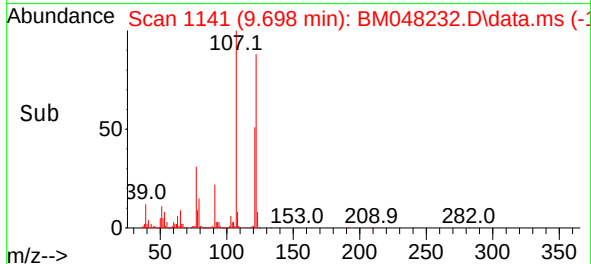
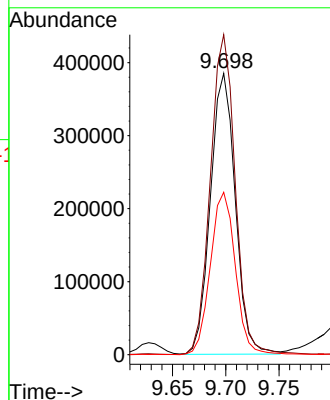
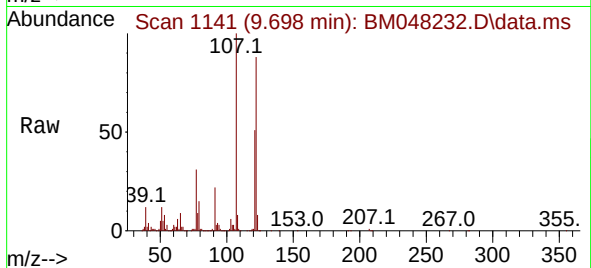
Tgt Ion:122 Resp: 625019

Ion Ratio Lower Upper

122 100

107 113.7 91.0 136.6

121 57.7 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 20.895 ng

RT: 9.927 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

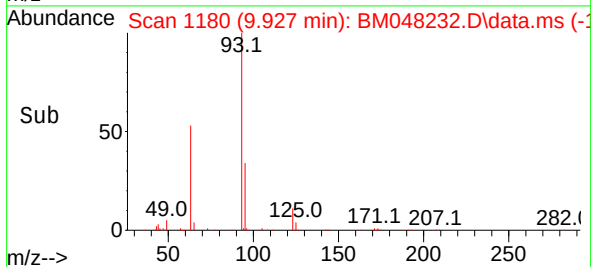
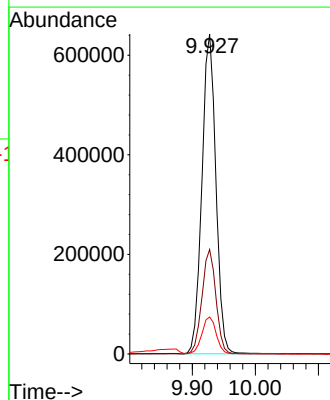
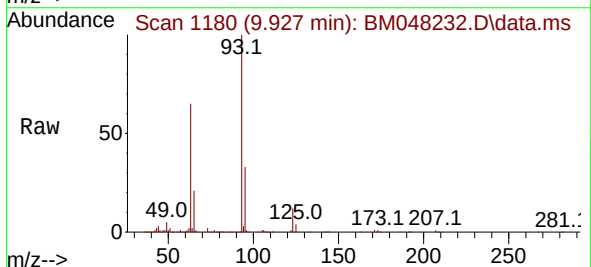
Tgt Ion: 93 Resp: 986928

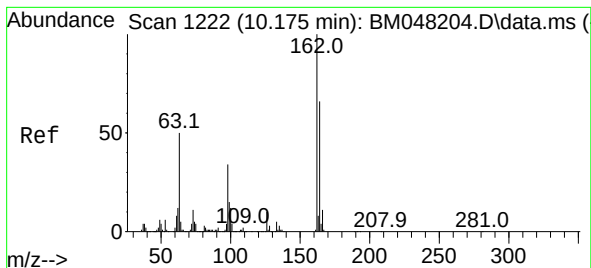
Ion Ratio Lower Upper

93 100

95 32.6 25.3 37.9

123 11.5 9.8 14.6

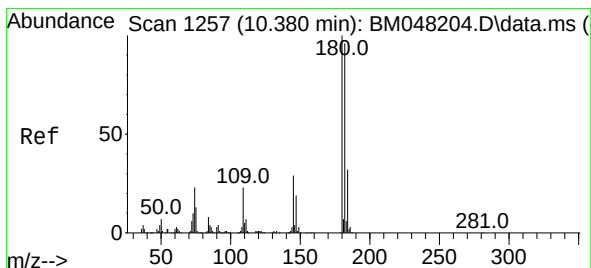
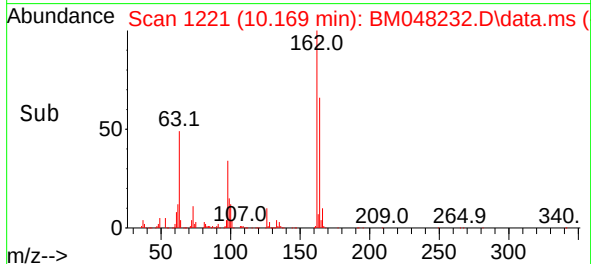
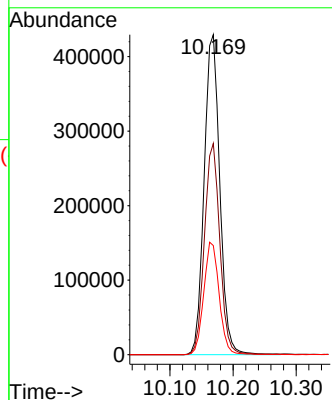
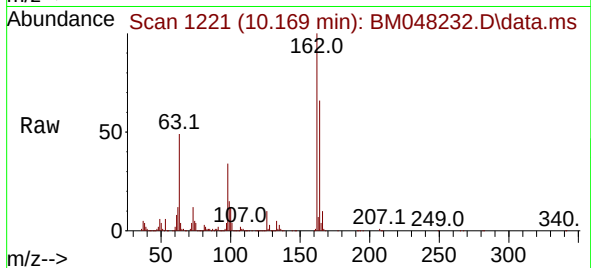




#29  
2,4-Dichlorophenol  
Concen: 21.692 ng  
RT: 10.169 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

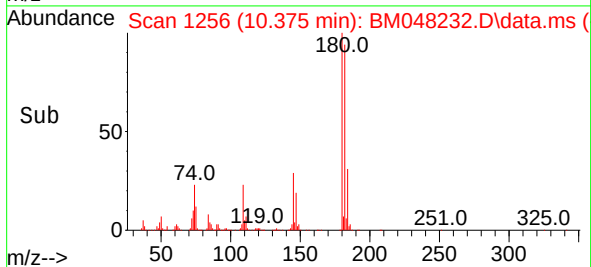
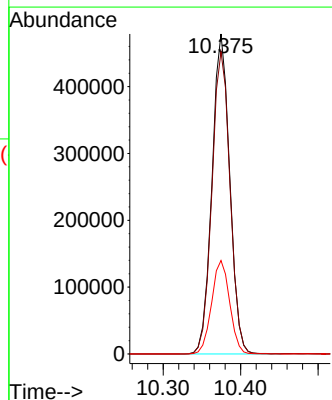
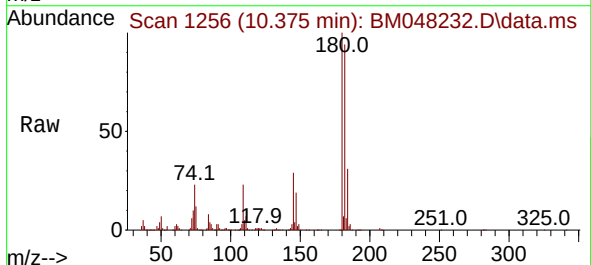
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

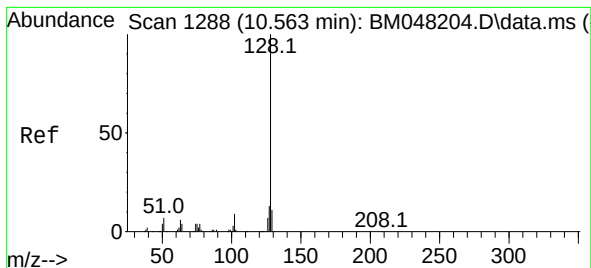
Tgt Ion:162 Resp: 737520  
Ion Ratio Lower Upper  
162 100  
164 66.0 46.0 86.0  
98 34.1 14.4 54.4



#30  
1,2,4-Trichlorobenzene  
Concen: 19.565 ng  
RT: 10.375 min Scan# 1256  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:180 Resp: 761833  
Ion Ratio Lower Upper  
180 100  
182 94.4 76.6 115.0  
145 29.2 23.4 35.2





#31

Naphthalene

Concen: 19.931 ng

RT: 10.557 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

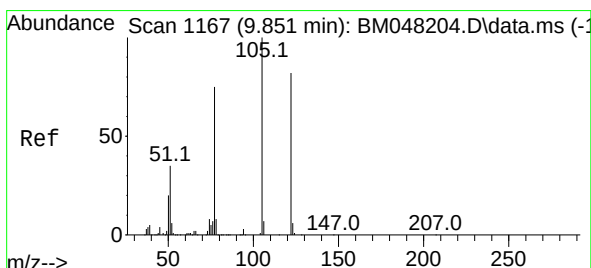
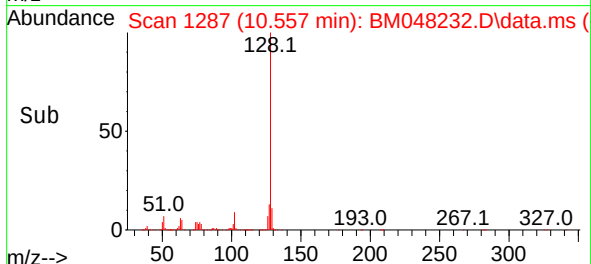
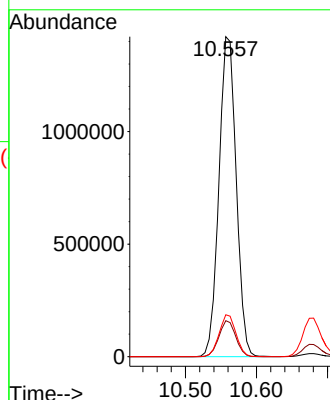
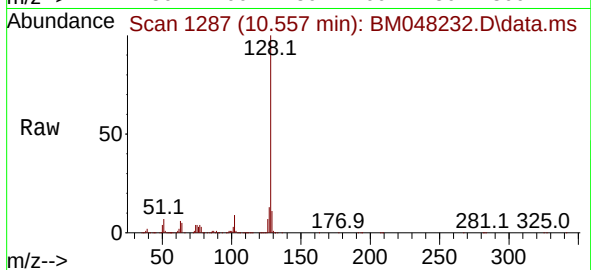
Tgt Ion:128 Resp: 2390076

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.1 10.2 15.2



#32

Benzoic acid

Concen: 18.275 ng

RT: 9.869 min Scan# 1170

Delta R.T. 0.018 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

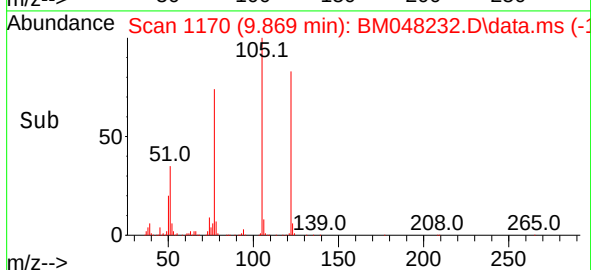
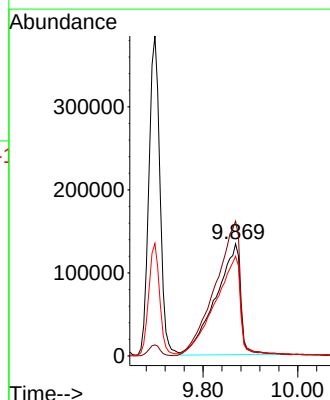
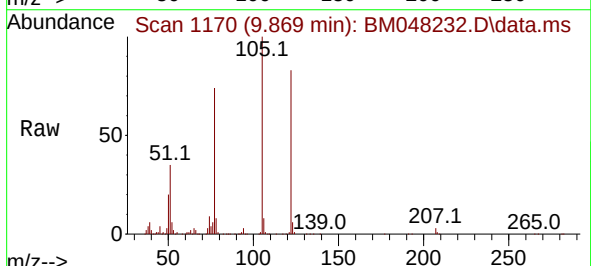
Tgt Ion:122 Resp: 480785

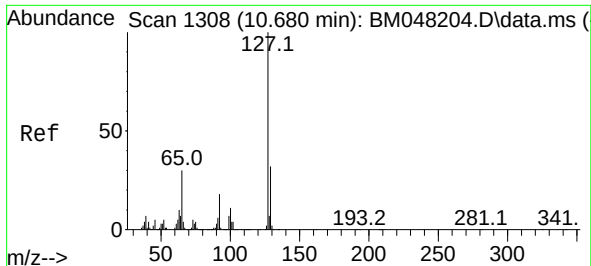
Ion Ratio Lower Upper

122 100

105 120.2 99.3 139.3

77 88.9 70.4 110.4





#33

4-Chloroaniline

Concen: 8.505 ng

RT: 10.680 min Scan# 1308

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

Tgt Ion:127 Resp: 330765

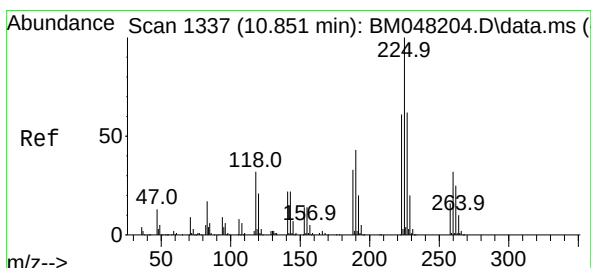
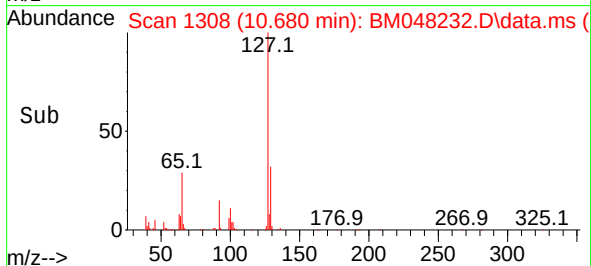
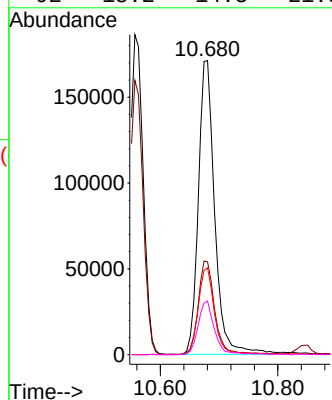
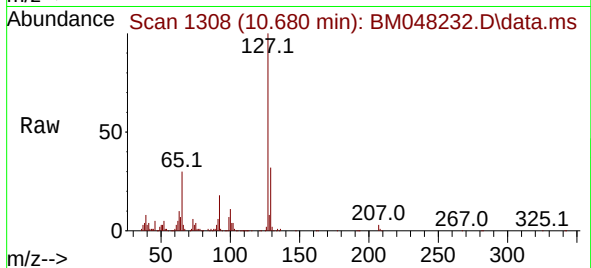
Ion Ratio Lower Upper

127 100

129 31.5 25.8 38.6

65 29.5 23.7 35.5

92 18.2 14.3 21.5



#34

Hexachlorobutadiene

Concen: 19.681 ng

RT: 10.845 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

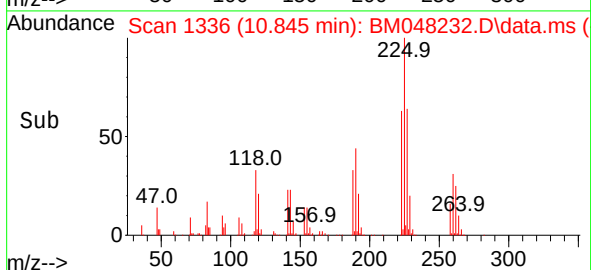
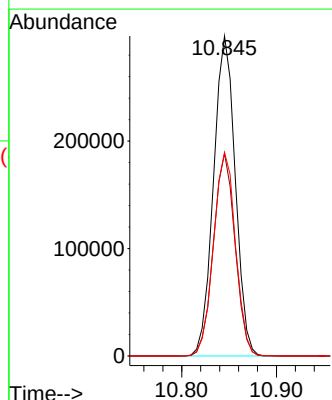
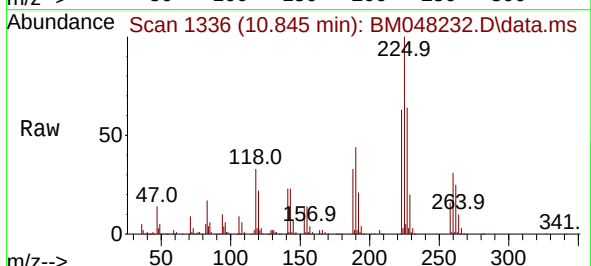
Tgt Ion:225 Resp: 474985

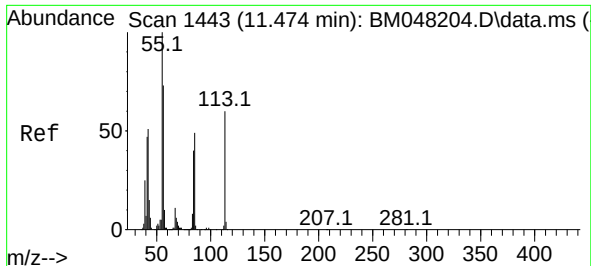
Ion Ratio Lower Upper

225 100

223 63.3 48.6 73.0

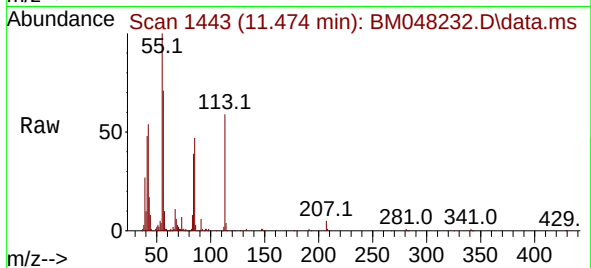
227 63.6 49.6 74.4



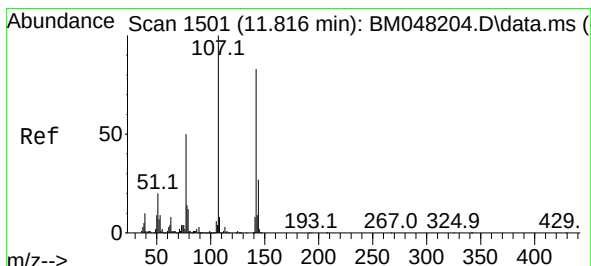
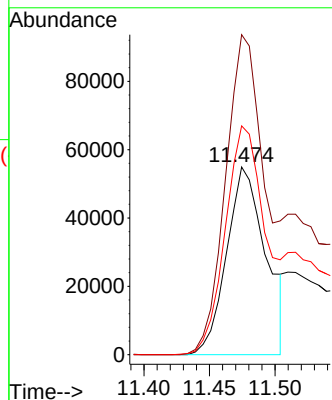
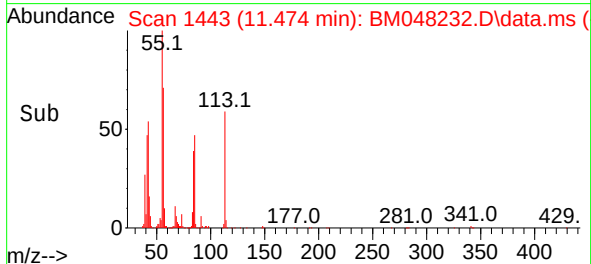


#35  
Caprolactam  
Concen: 10.305 ng  
RT: 11.474 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

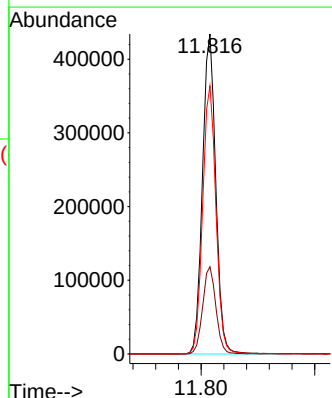
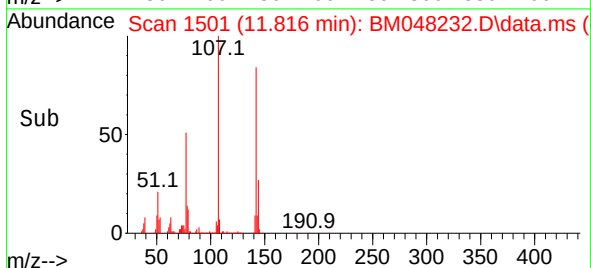
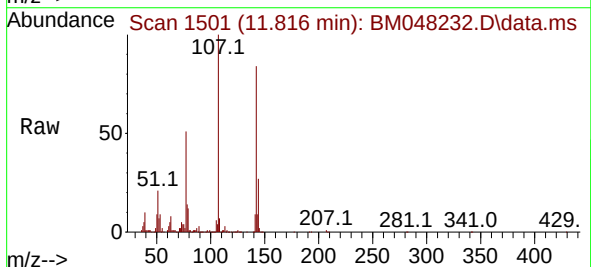


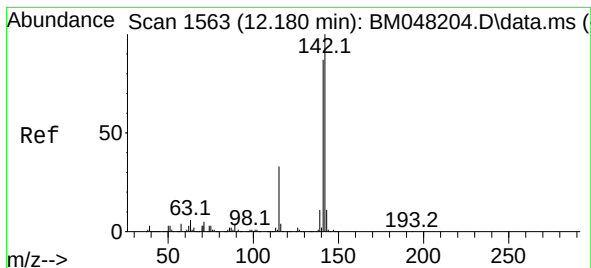
Tgt Ion:113 Resp: 113811  
Ion Ratio Lower Upper  
113 100  
55 170.5 146.1 186.1  
56 121.9 101.9 141.9



#36  
4-Chloro-3-methylphenol  
Concen: 19.870 ng  
RT: 11.816 min Scan# 1501  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:107 Resp: 705238  
Ion Ratio Lower Upper  
107 100  
144 27.2 21.5 32.3  
142 83.8 66.8 100.2





#37

2-Methylnaphthalene

Concen: 20.122 ng

RT: 12.174 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

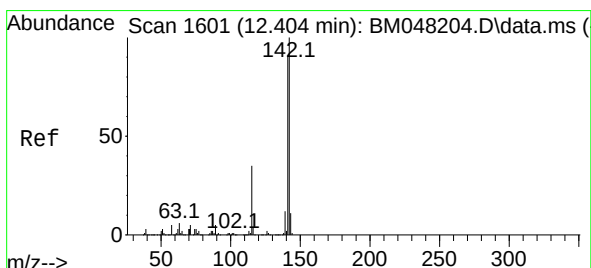
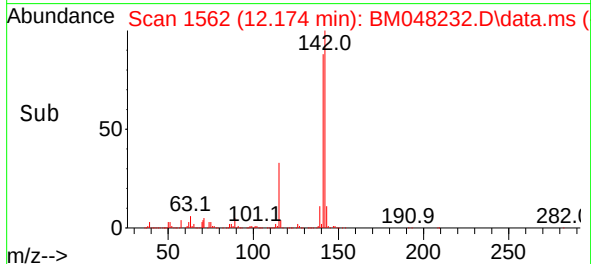
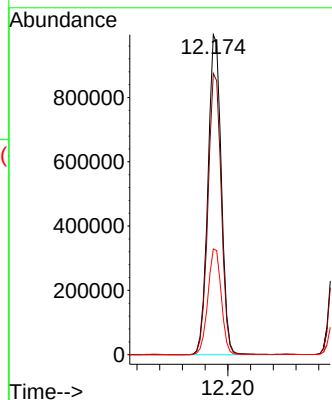
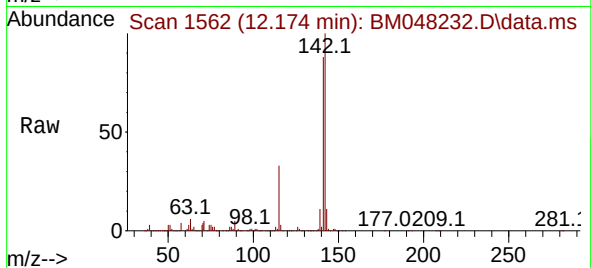
Tgt Ion:142 Resp: 1612196

Ion Ratio Lower Upper

142 100

141 87.9 69.8 104.6

115 33.1 26.3 39.5



#38

1-Methylnaphthalene

Concen: 18.796 ng

RT: 12.398 min Scan# 1600

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

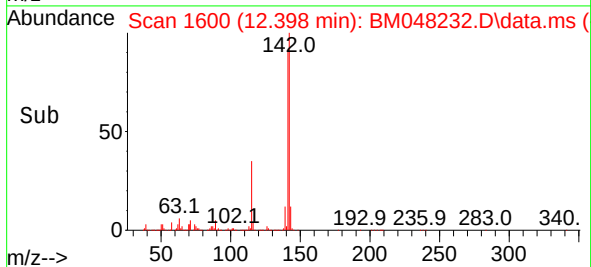
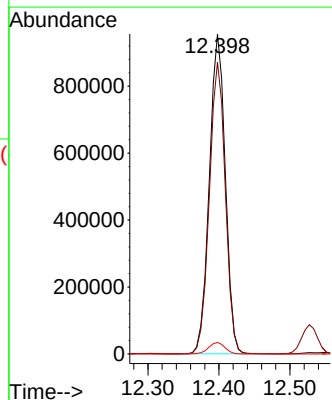
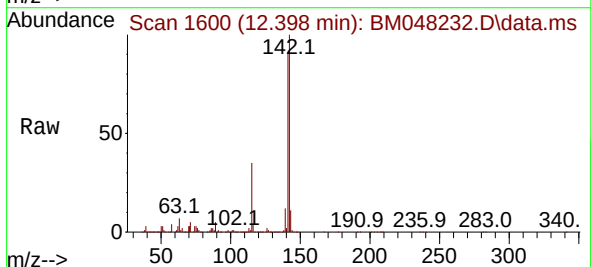
Tgt Ion:142 Resp: 1493285

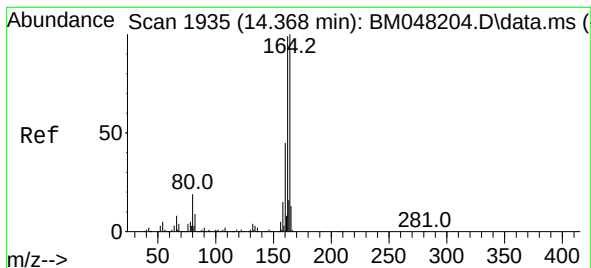
Ion Ratio Lower Upper

142 100

141 91.2 72.7 109.1

116 3.6 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.368 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

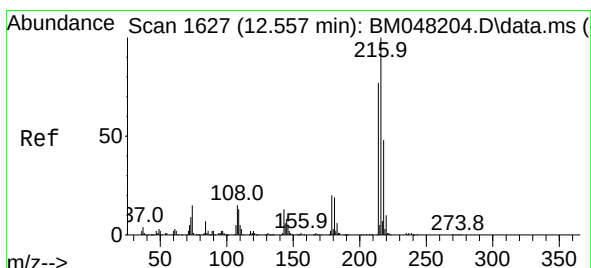
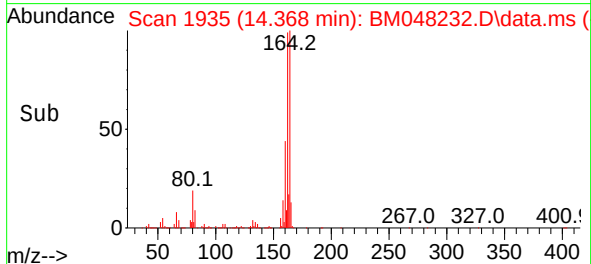
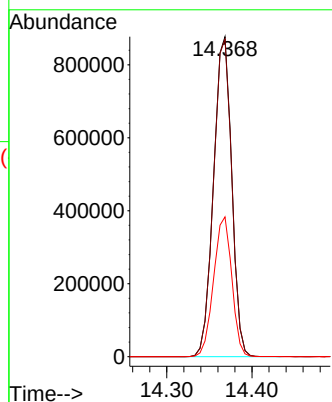
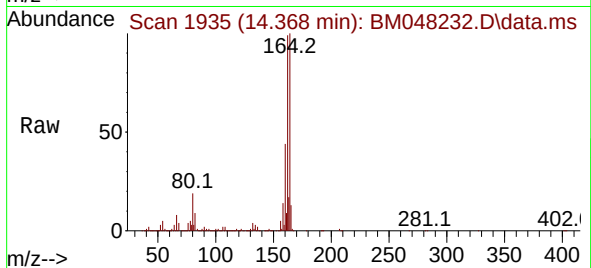
Tgt Ion:164 Resp: 1298776

Ion Ratio Lower Upper

164 100

162 99.3 79.1 118.7

160 43.7 35.8 53.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.509 ng

RT: 12.551 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Tgt Ion:216 Resp: 798435

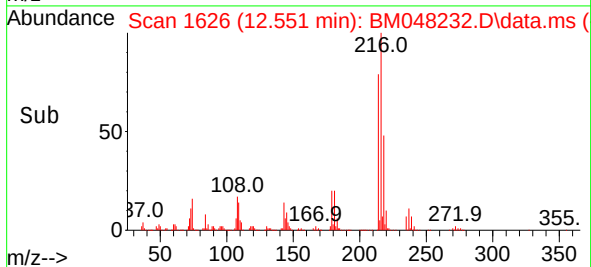
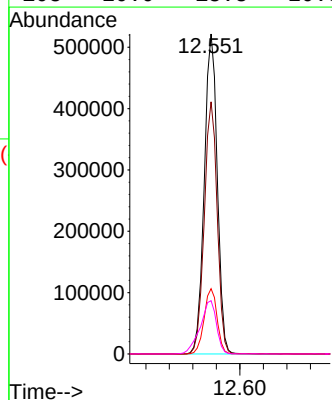
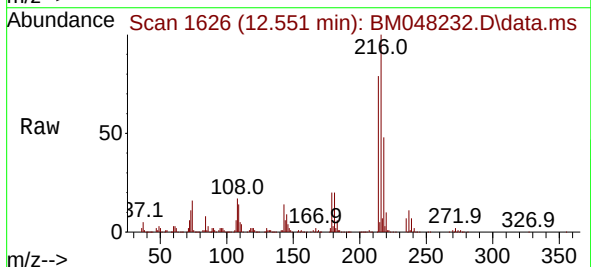
Ion Ratio Lower Upper

216 100

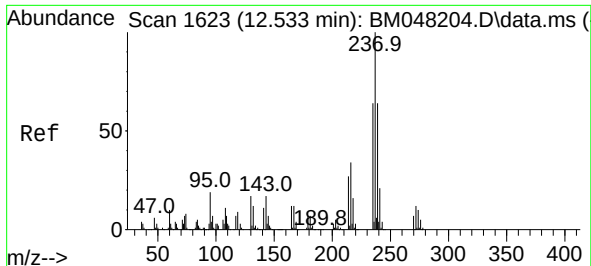
214 78.5 62.2 93.2

179 20.4 16.0 24.0

108 20.9 13.8 20.8#



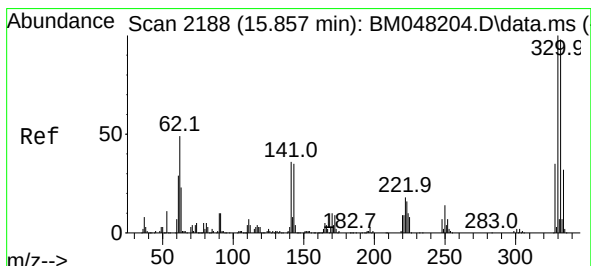
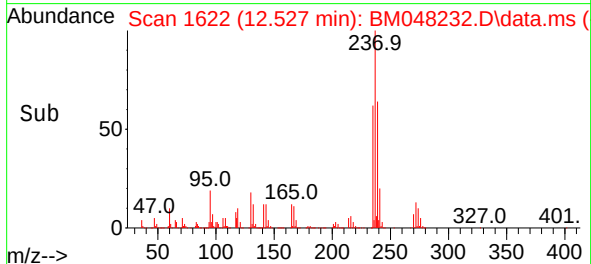
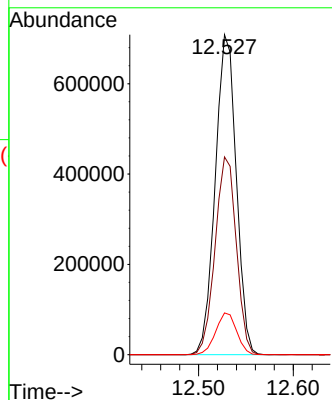
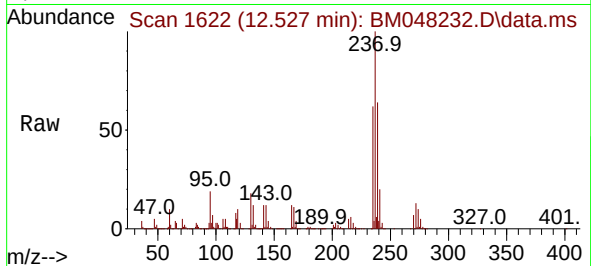




#41  
Hexachlorocyclopentadiene  
Concen: 87.091 ng  
RT: 12.527 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

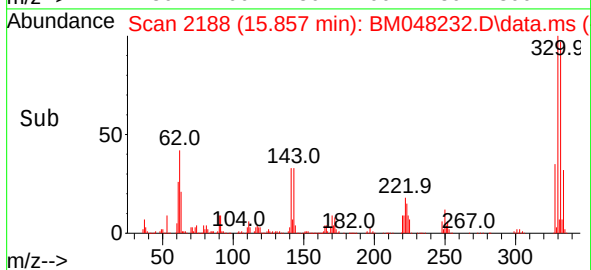
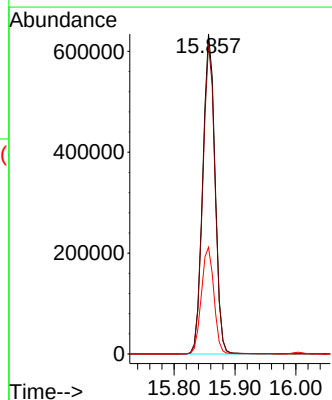
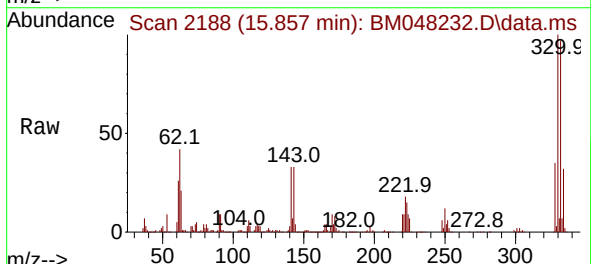
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

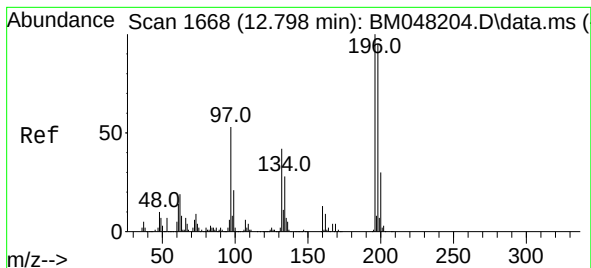
Tgt Ion:237 Resp: 1094029  
Ion Ratio Lower Upper  
237 100  
235 61.8 44.2 84.2  
272 13.1 0.0 32.4



#42  
2,4,6-Tribromophenol  
Concen: 55.749 ng  
RT: 15.857 min Scan# 2188  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:330 Resp: 886254  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.5 116.3  
141 34.1 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 22.223 ng

RT: 12.798 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

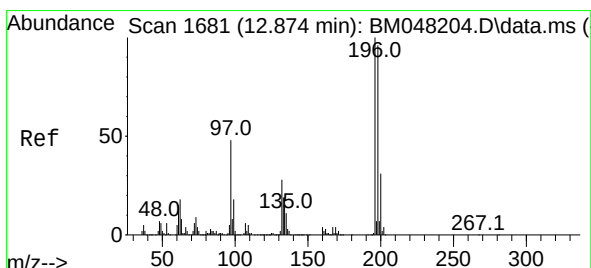
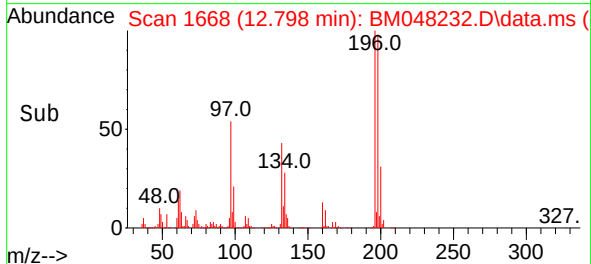
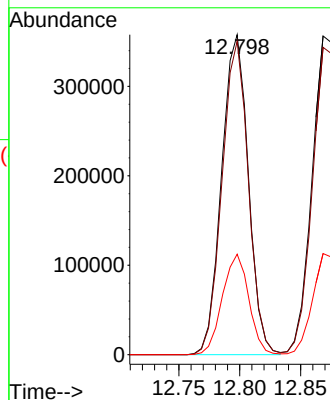
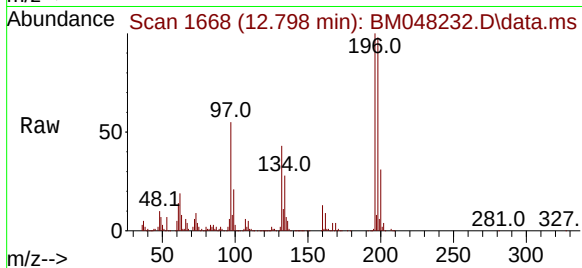
Tgt Ion:196 Resp: 547468

Ion Ratio Lower Upper

196 100

198 98.0 76.2 114.2

200 31.4 24.2 36.2



#44

2,4,5-Trichlorophenol

Concen: 21.302 ng

RT: 12.868 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Tgt Ion:196 Resp: 585202

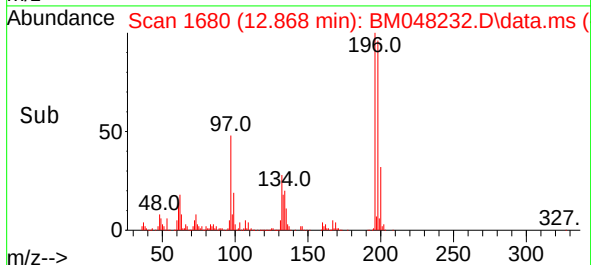
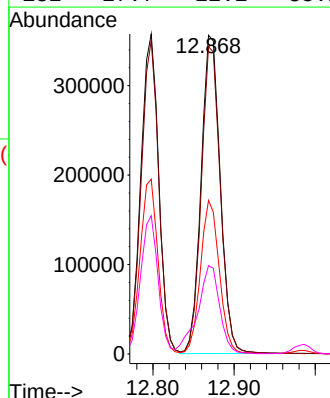
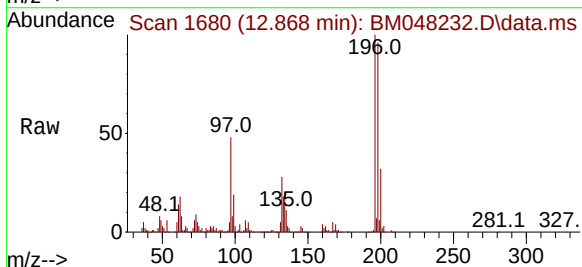
Ion Ratio Lower Upper

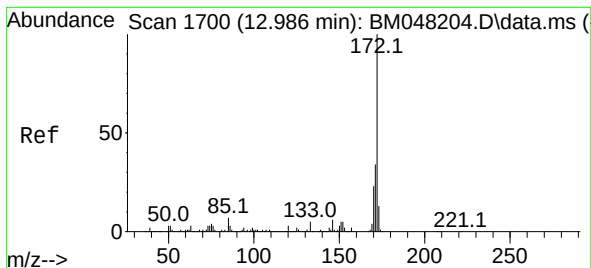
196 100

198 96.4 76.7 115.1

97 48.2 38.5 57.7

132 27.7 22.2 33.2





#45

2-Fluorobiphenyl

Concen: 41.240 ng

RT: 12.986 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

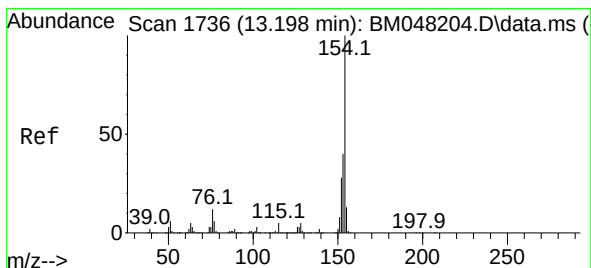
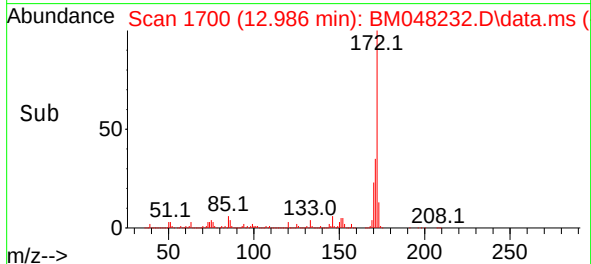
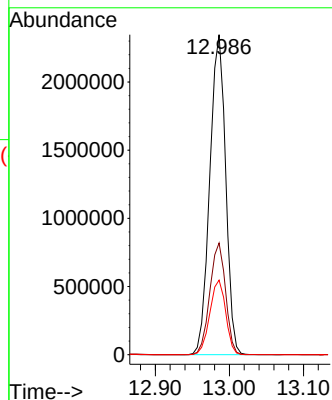
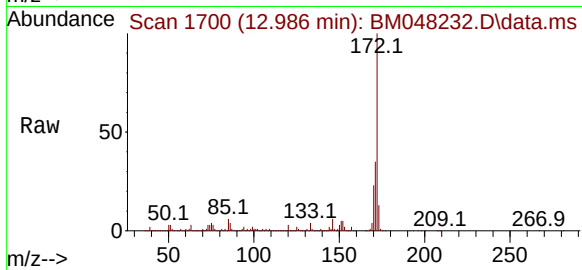
Tgt Ion:172 Resp: 3490524

Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 20.949 ng

RT: 13.198 min Scan# 1736

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

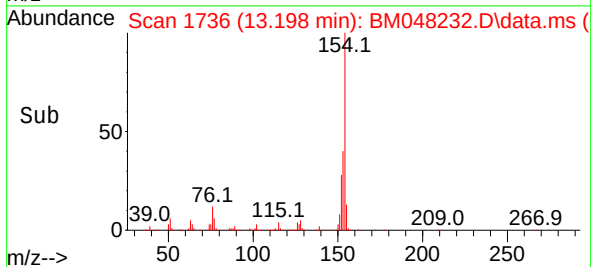
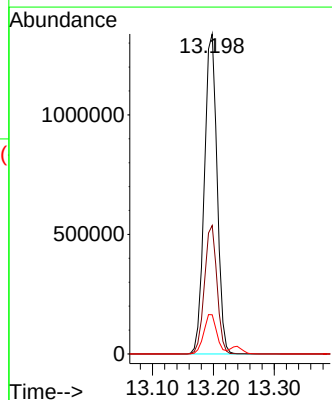
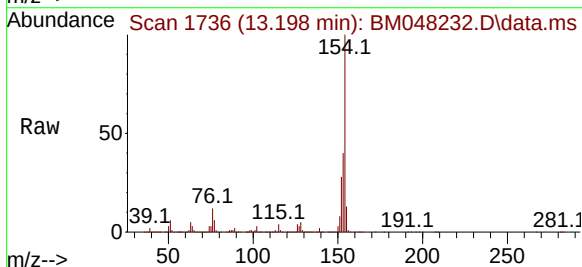
Tgt Ion:154 Resp: 1942561

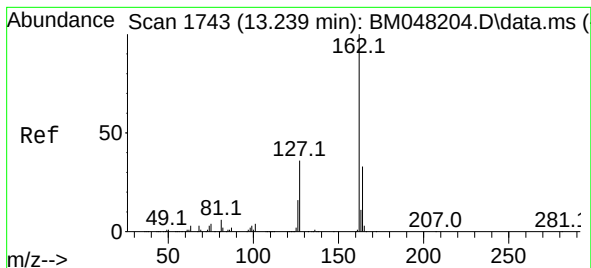
Ion Ratio Lower Upper

154 100

153 40.1 19.9 59.9

76 12.3 0.0 32.4





#47

2-Chloronaphthalene

Concen: 20.731 ng

RT: 13.239 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

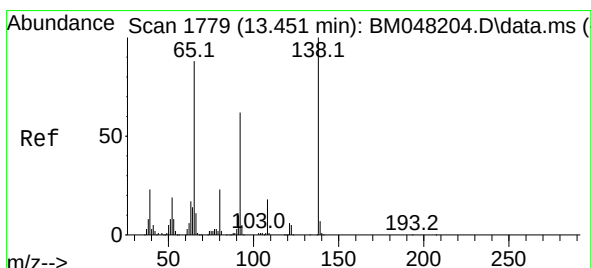
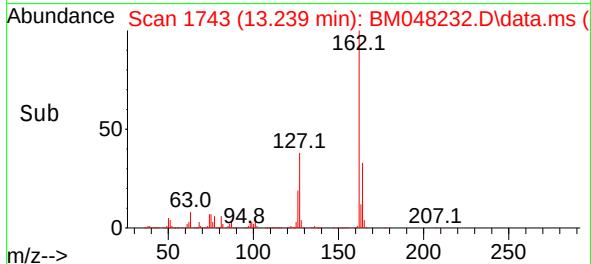
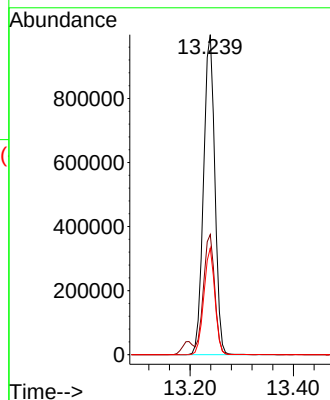
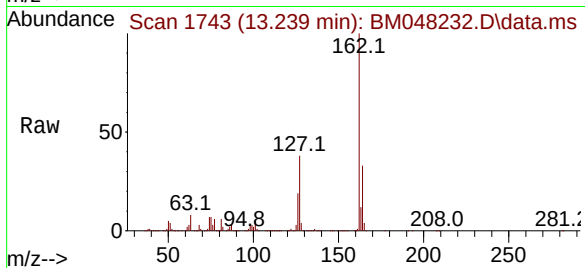
Tgt Ion:162 Resp: 1515755

Ion Ratio Lower Upper

162 100

127 37.5 31.0 46.6

164 33.3 26.2 39.4



#48

2-Nitroaniline

Concen: 21.654 ng

RT: 13.445 min Scan# 1778

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

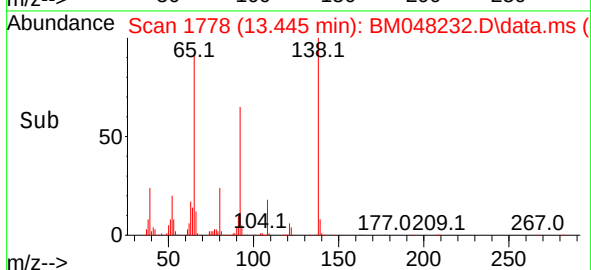
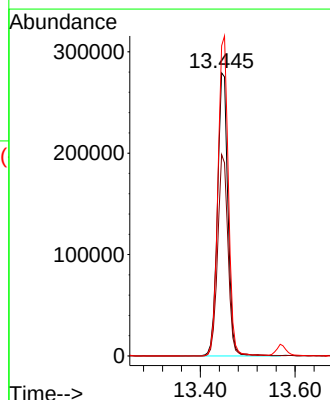
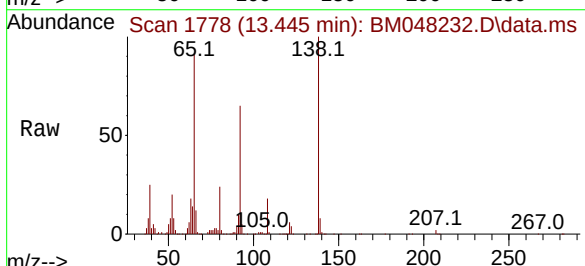
Tgt Ion: 65 Resp: 429409

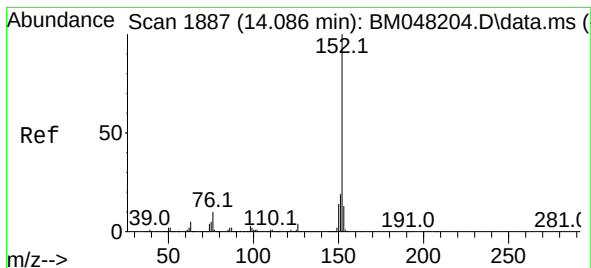
Ion Ratio Lower Upper

65 100

92 71.1 56.0 84.0

138 109.6 90.8 136.2





#49

Acenaphthylene

Concen: 22.135 ng

RT: 14.086 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

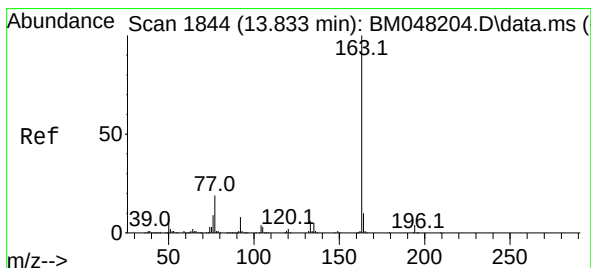
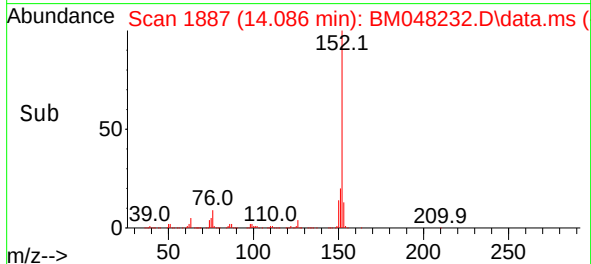
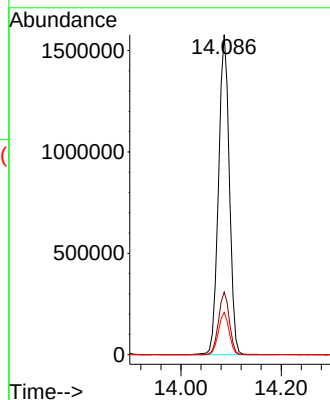
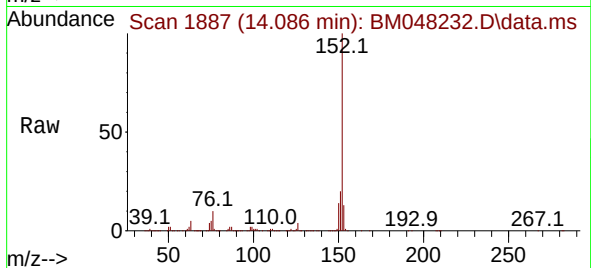
Tgt Ion:152 Resp: 2361177

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.2

153 13.2 10.5 15.7



#50

Dimethylphthalate

Concen: 20.335 ng

RT: 13.827 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

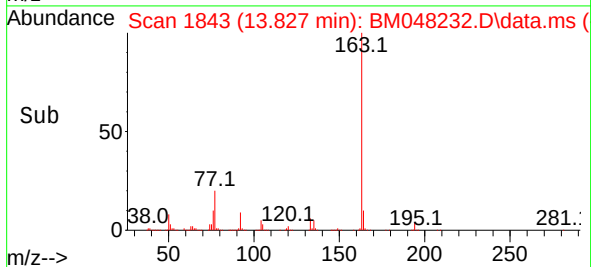
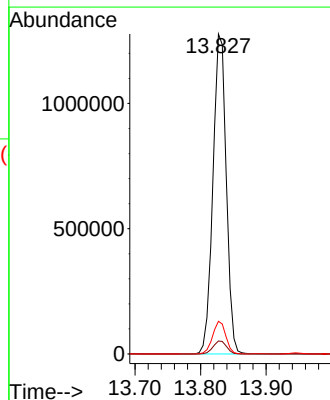
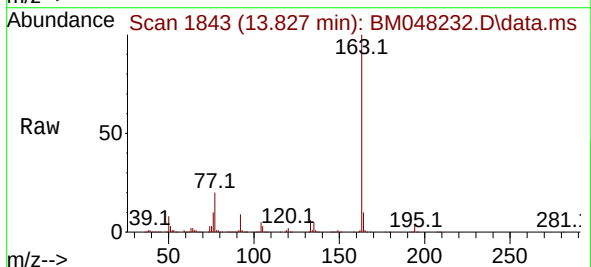
Tgt Ion:163 Resp: 1802937

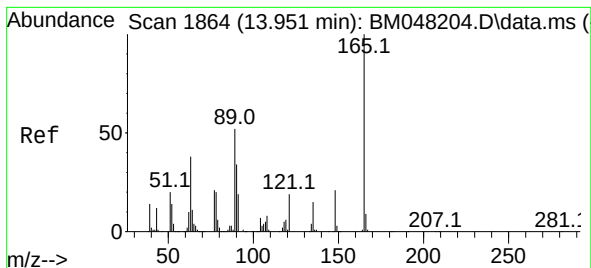
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.2 7.8 11.6

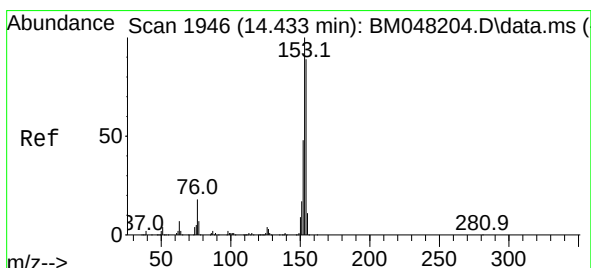
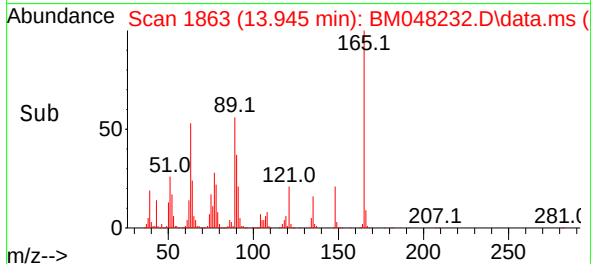
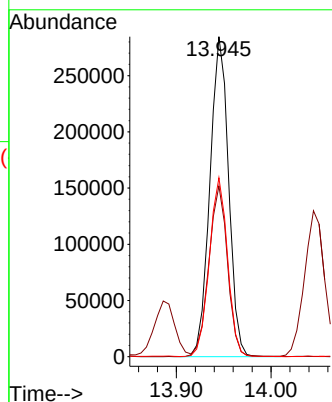
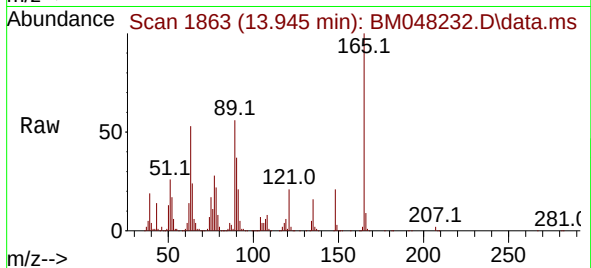




#51  
2,6-Dinitrotoluene  
Concen: 19.713 ng  
RT: 13.945 min Scan# 1863  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

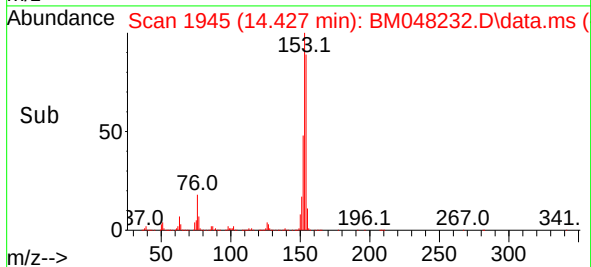
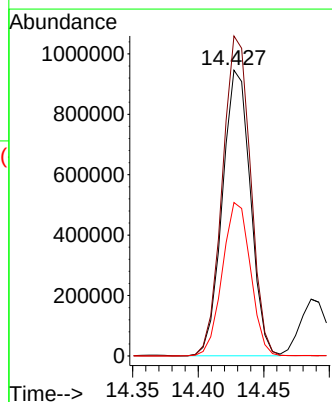
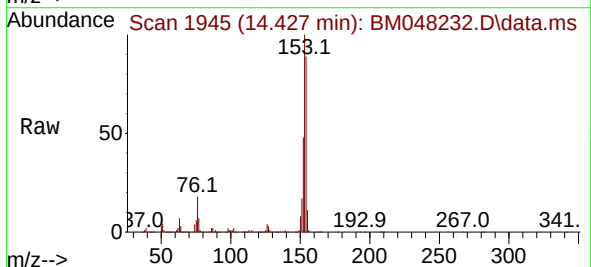
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

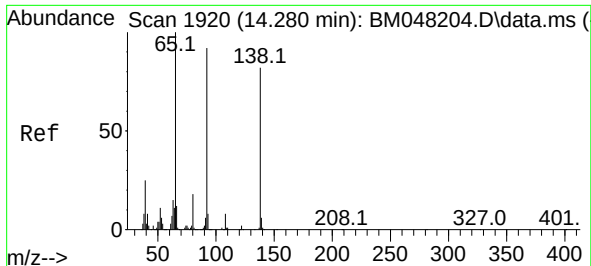
Tgt Ion:165 Resp: 389993  
Ion Ratio Lower Upper  
165 100  
63 53.3 39.5 59.3  
89 55.9 41.8 62.6



#52  
Acenaphthene  
Concen: 20.727 ng  
RT: 14.427 min Scan# 1945  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:154 Resp: 1404831  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.4 135.6  
152 53.7 43.6 65.4





#53

3-Nitroaniline

Concen: 12.546 ng

RT: 14.274 min Scan# 1919

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

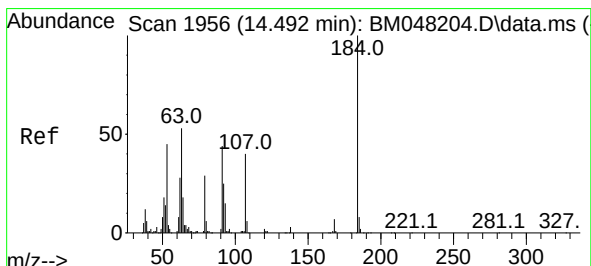
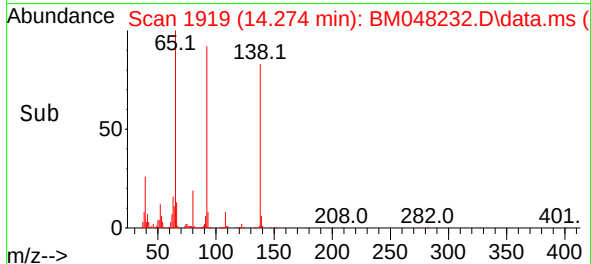
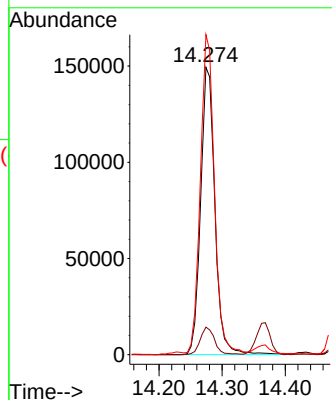
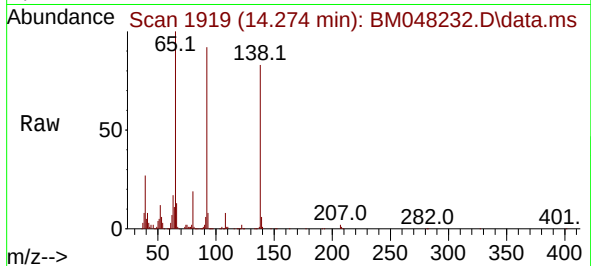
Tgt Ion:138 Resp: 234067

Ion Ratio Lower Upper

138 100

108 9.6 7.5 11.3

92 111.4 89.7 134.5



#54

2,4-Dinitrophenol

Concen: 40.666 ng

RT: 14.486 min Scan# 1955

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

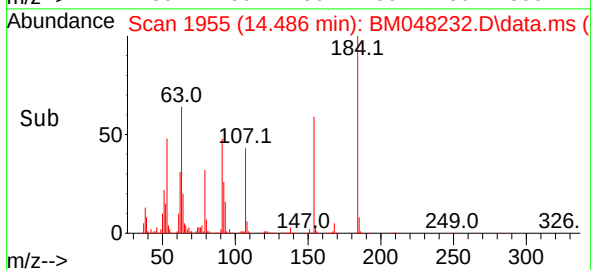
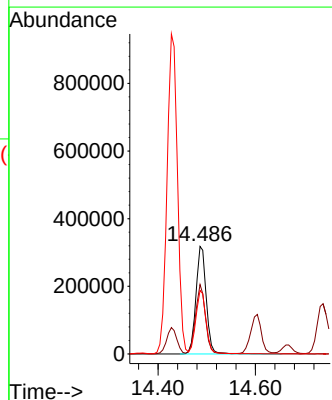
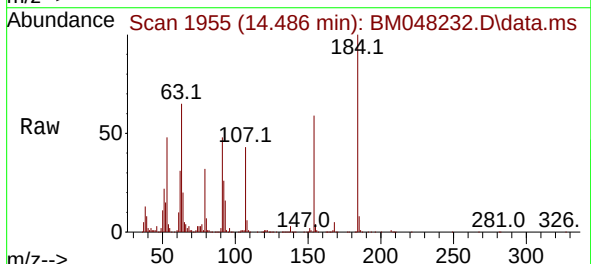
Tgt Ion:184 Resp: 470124

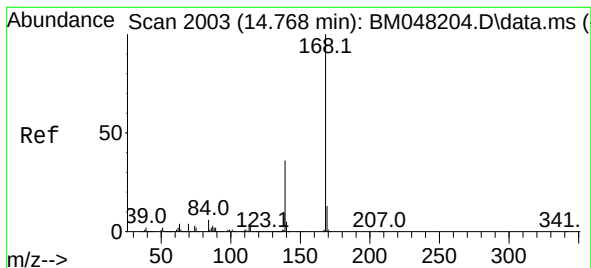
Ion Ratio Lower Upper

184 100

63 64.6 47.2 70.8

154 59.1 46.0 69.0





#55

Dibenzenofuran

Concen: 20.263 ng

RT: 14.768 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

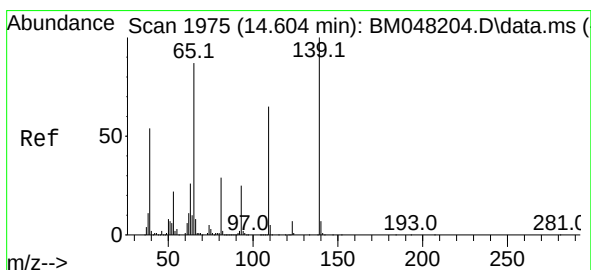
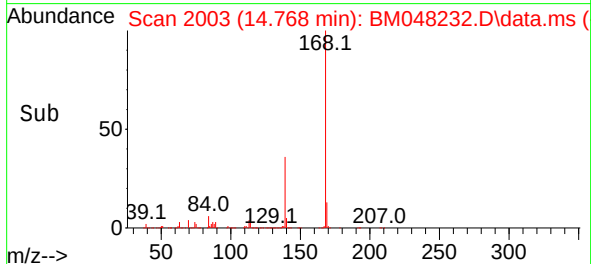
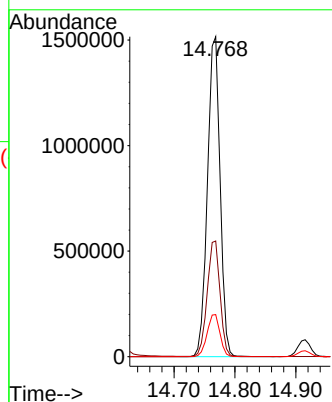
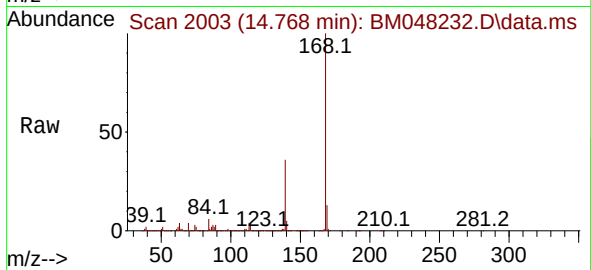
Tgt Ion:168 Resp: 2181958

Ion Ratio Lower Upper

168 100

139 36.2 29.0 43.6

169 13.2 10.4 15.6



#56

4-Nitrophenol

Concen: 40.677 ng

RT: 14.604 min Scan# 1975

Delta R.T. -0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

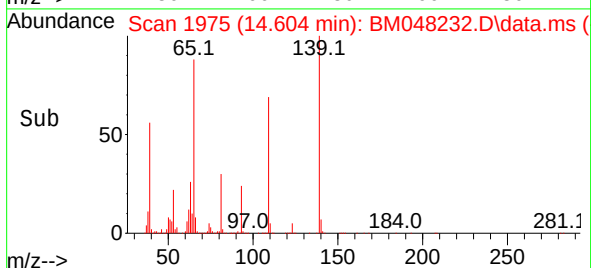
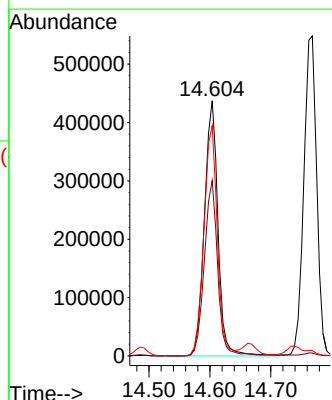
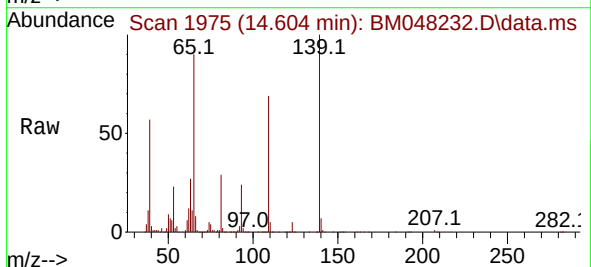
Tgt Ion:139 Resp: 677310

Ion Ratio Lower Upper

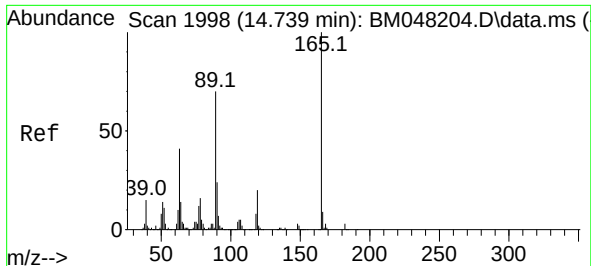
139 100

109 68.7 45.4 85.4

65 90.2 67.3 107.3





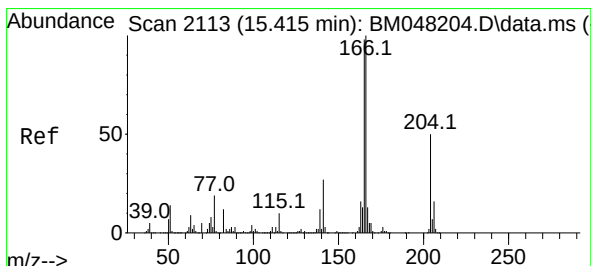
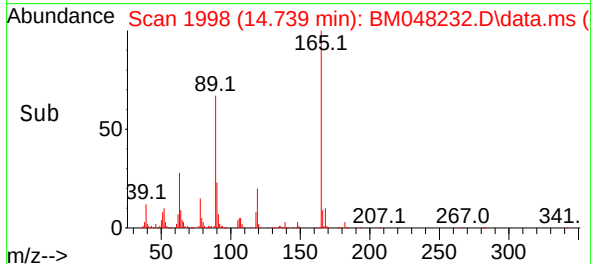
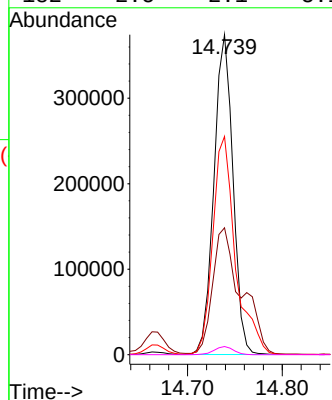
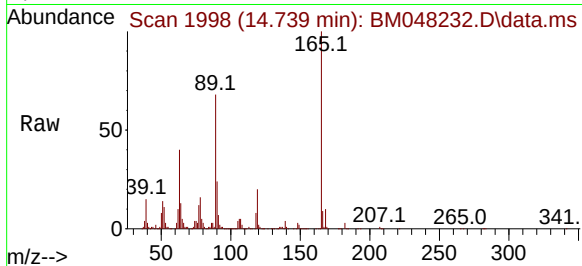


#57  
2,4-Dinitrotoluene  
Concen: 20.025 ng  
RT: 14.739 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

Tgt Ion:165 Resp: 523160

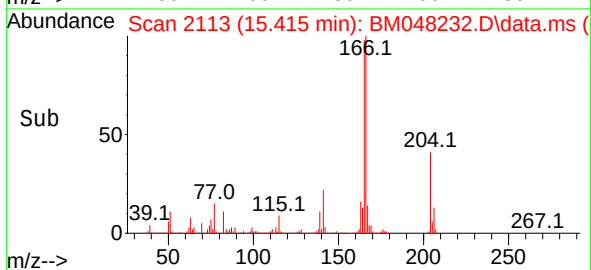
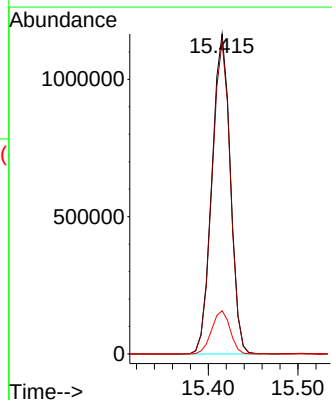
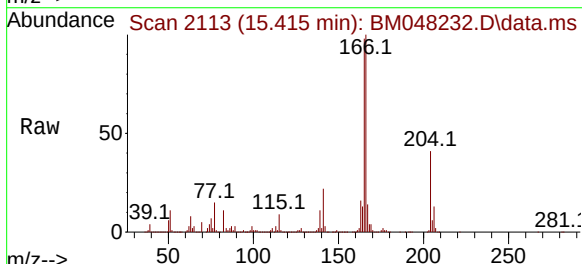
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 39.7  | 33.0  | 49.4  |
| 89  | 68.2  | 55.8  | 83.6  |
| 182 | 2.5   | 2.1   | 3.1   |

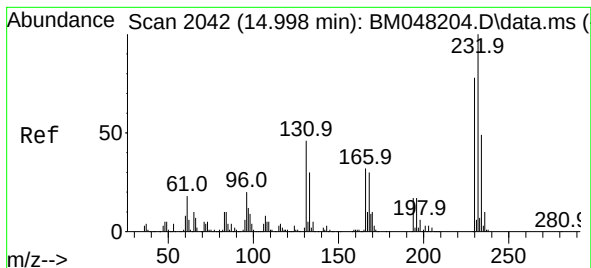


#58  
Fluorene  
Concen: 19.528 ng  
RT: 15.415 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:166 Resp: 1662732

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.6  | 78.4  | 117.6 |
| 167 | 13.5  | 10.8  | 16.2  |

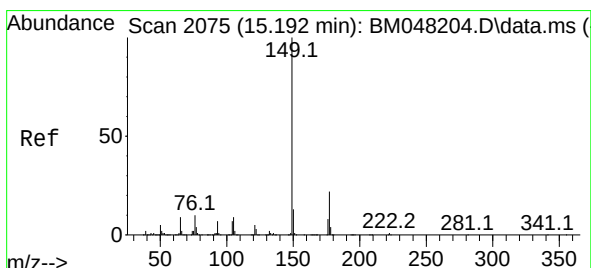
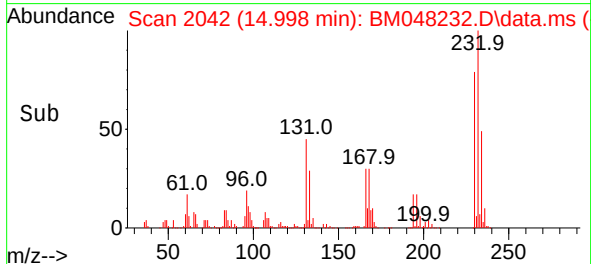
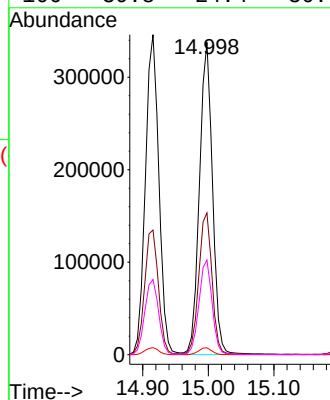
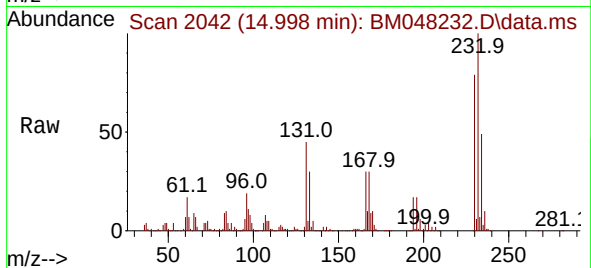




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 20.565 ng  
RT: 14.998 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

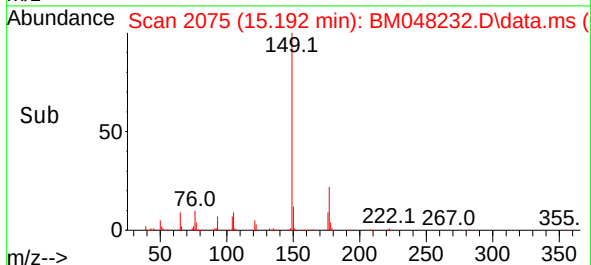
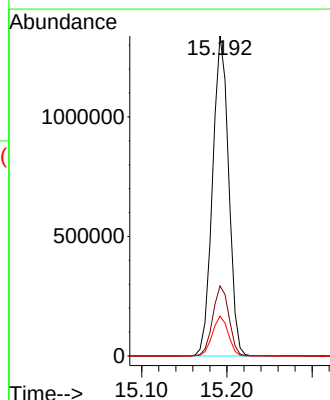
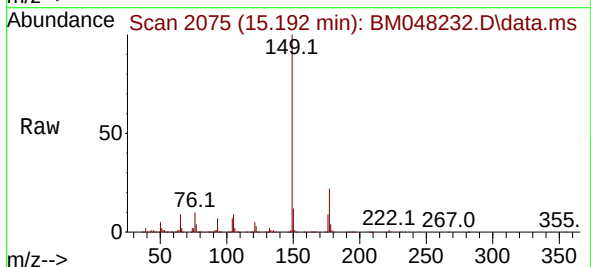
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

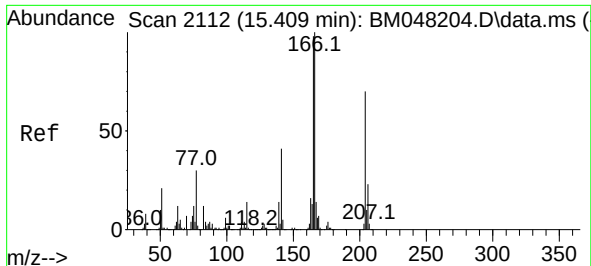
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 468269 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 46.1  | 35.5  | 53.3   |
| 130       | 2.3   | 1.8   | 2.6    |
| 166       | 30.8  | 24.4  | 36.6   |



#60  
Diethylphthalate  
Concen: 19.576 ng  
RT: 15.192 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1757354 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 177       | 21.9  | 17.5  | 26.3    |
| 150       | 12.4  | 10.1  | 15.1    |

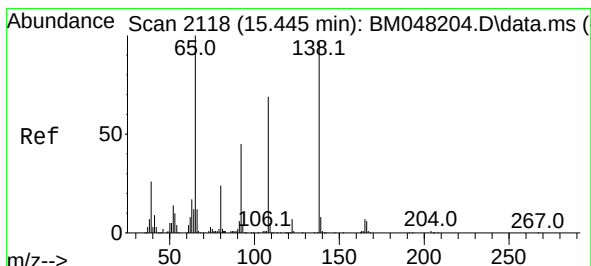
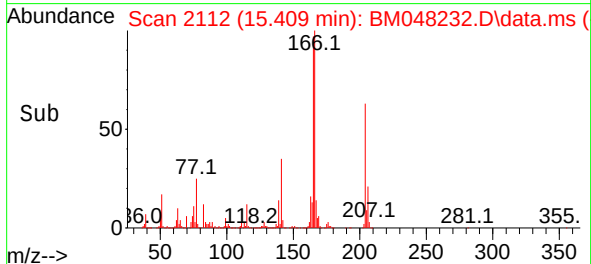
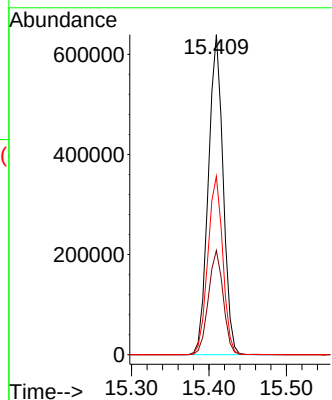
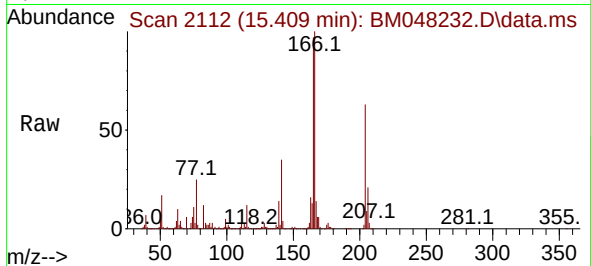




#61  
4-Chlorophenyl-phenylether  
Concen: 19.881 ng  
RT: 15.409 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

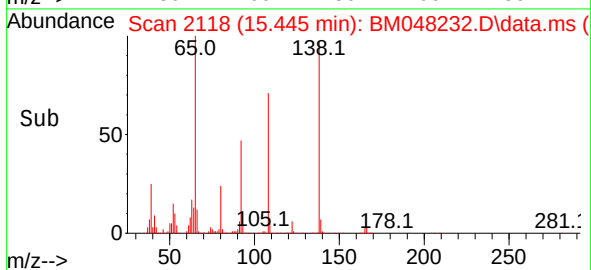
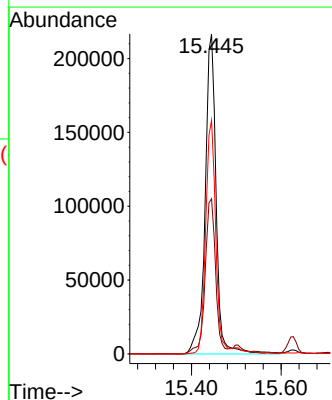
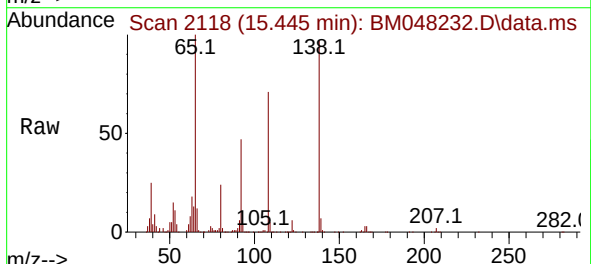
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

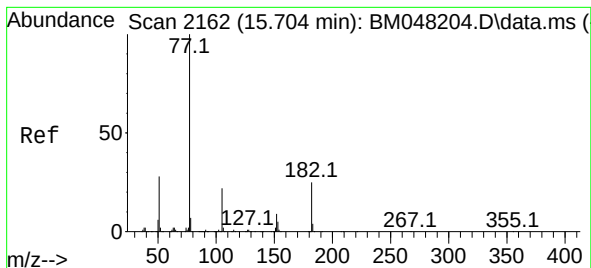
Tgt Ion:204 Resp: 846419  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.2 39.4  
141 55.8 47.0 70.6



#62  
4-Nitroaniline  
Concen: 19.095 ng  
RT: 15.445 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:138 Resp: 368691  
Ion Ratio Lower Upper  
138 100  
92 48.5 26.9 66.9  
108 73.1 51.3 91.3





#63

Azobenzene

Concen: 20.669 ng

RT: 15.704 min Scan# 2162

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

Tgt Ion: 77 Resp: 1663024

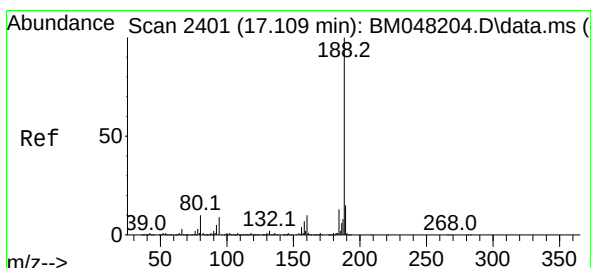
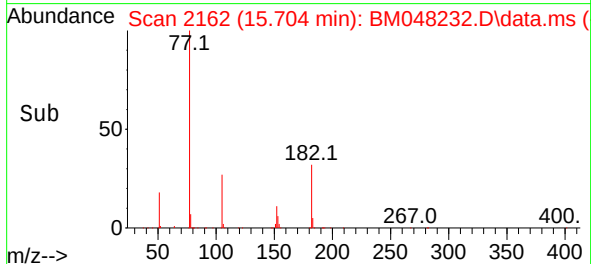
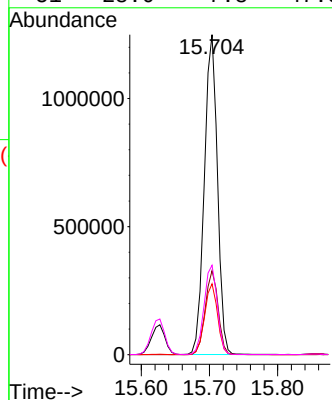
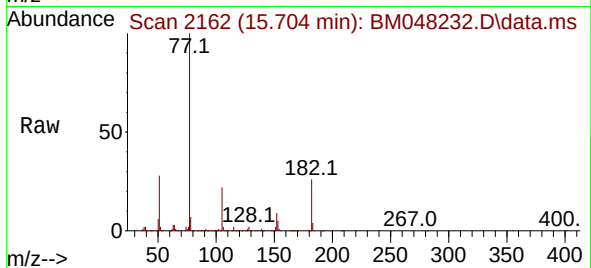
Ion Ratio Lower Upper

77 100

182 26.3 5.3 45.3

105 22.2 1.6 41.6

51 28.0 7.8 47.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.109 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

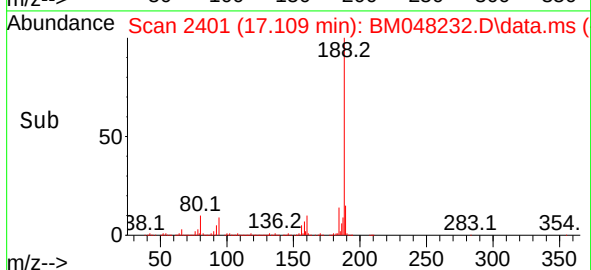
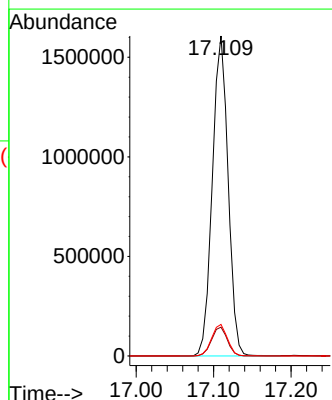
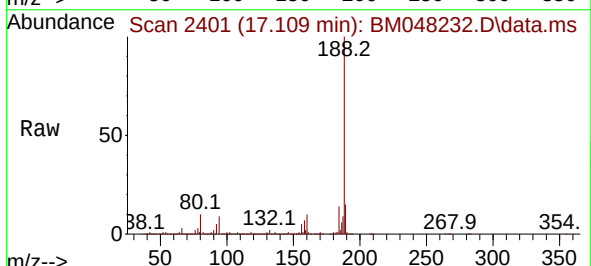
Tgt Ion:188 Resp: 2277273

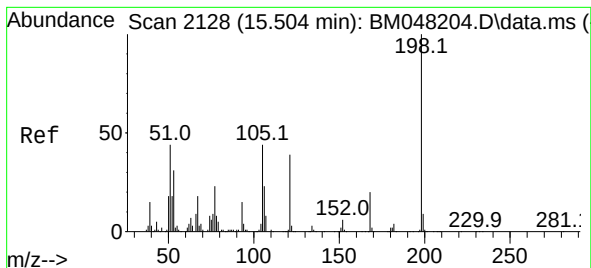
Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

80 9.9 8.0 12.0

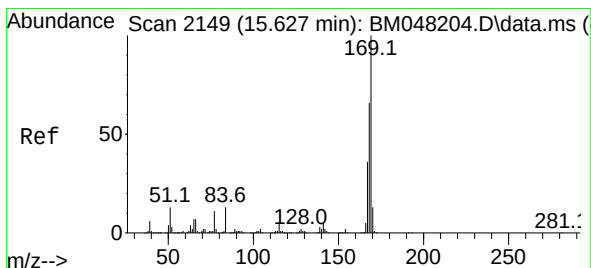
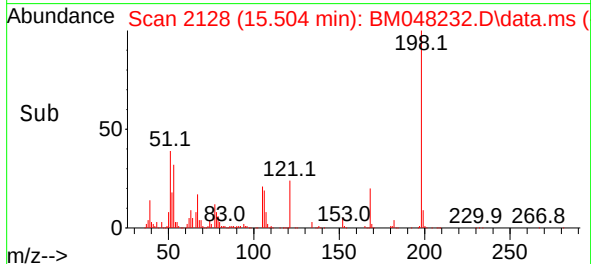
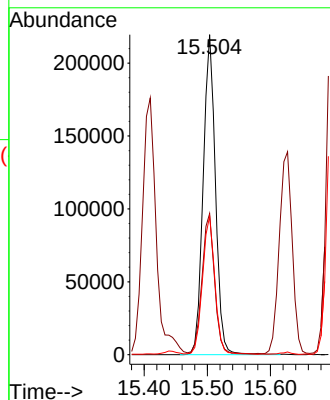
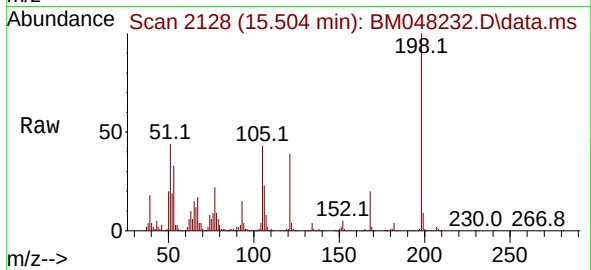




#65  
4,6-Dinitro-2-methylphenol  
Concen: 22.384 ng  
RT: 15.504 min Scan# 2128  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

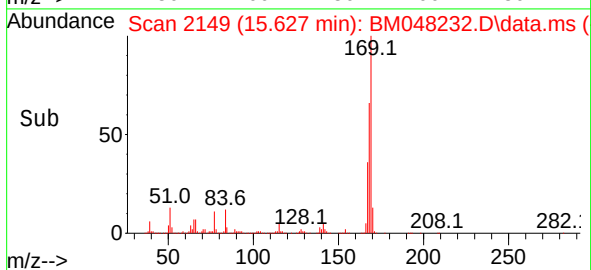
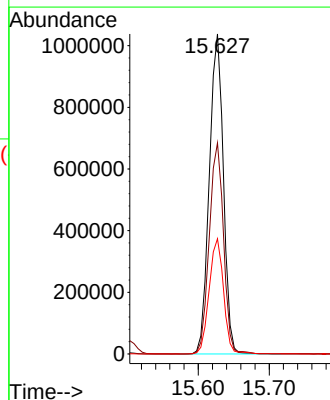
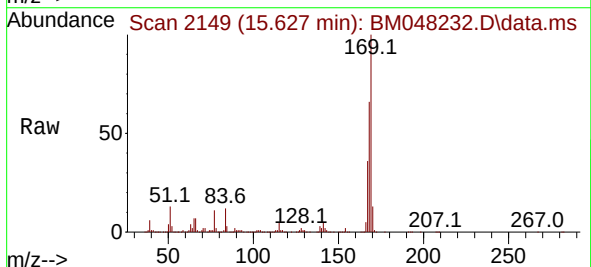
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

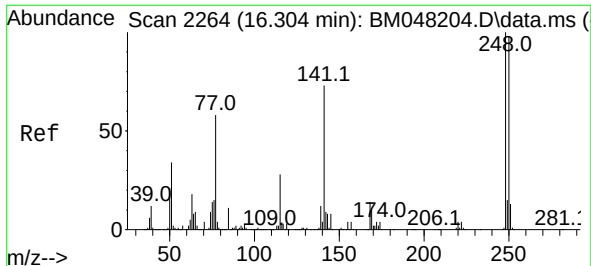
Tgt Ion:198 Resp: 295758  
Ion Ratio Lower Upper  
198 100  
51 44.1 25.4 65.4  
105 43.3 23.9 63.9



#66  
n-Nitrosodiphenylamine  
Concen: 22.911 ng  
RT: 15.627 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:169 Resp: 1432292  
Ion Ratio Lower Upper  
169 100  
168 65.9 52.9 79.3  
167 36.0 29.3 43.9

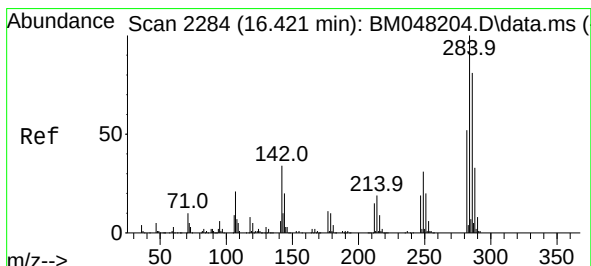
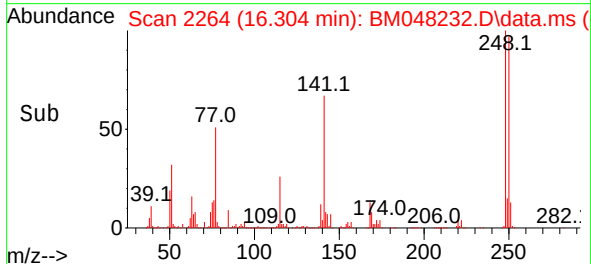
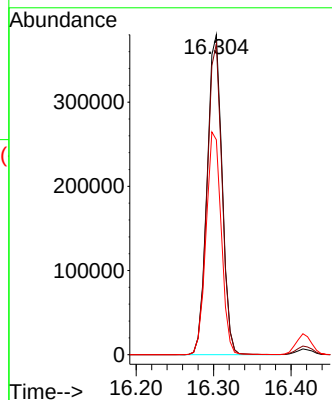
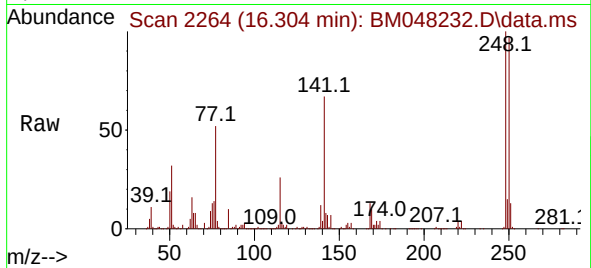




#67  
4-Bromophenyl-phenylether  
Concen: 22.138 ng  
RT: 16.304 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

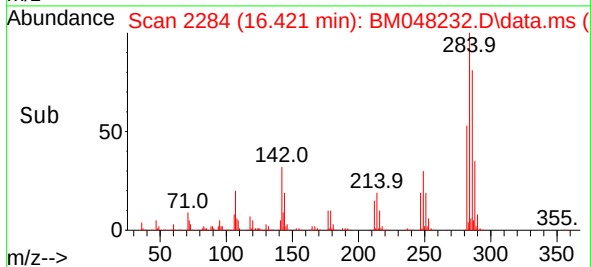
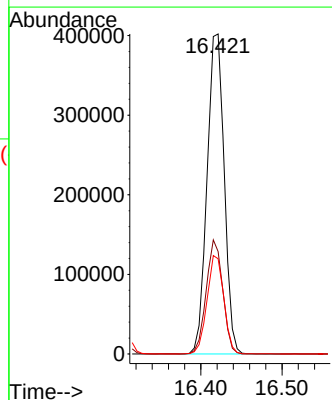
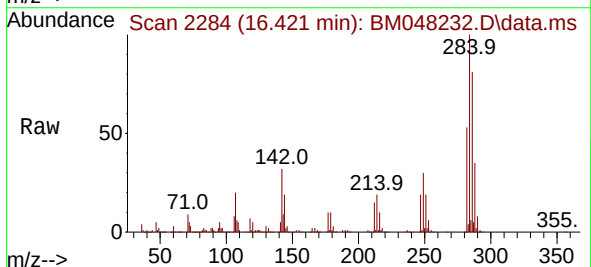
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

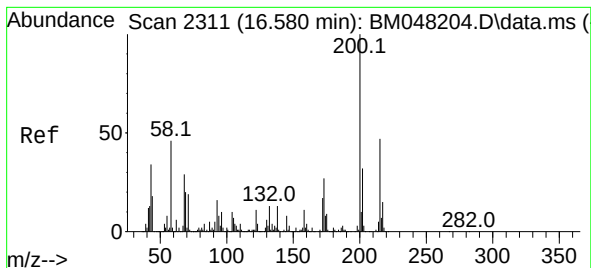
Tgt Ion:248 Resp: 511134  
Ion Ratio Lower Upper  
248 100  
250 97.2 78.3 117.5  
141 67.2 58.0 87.0



#68  
Hexachlorobenzene  
Concen: 21.210 ng  
RT: 16.421 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:284 Resp: 588177  
Ion Ratio Lower Upper  
284 100  
142 32.0 27.0 40.4  
249 29.8 24.6 36.8





#69

Atrazine

Concen: 27.389 ng

RT: 16.580 min Scan# 2311

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

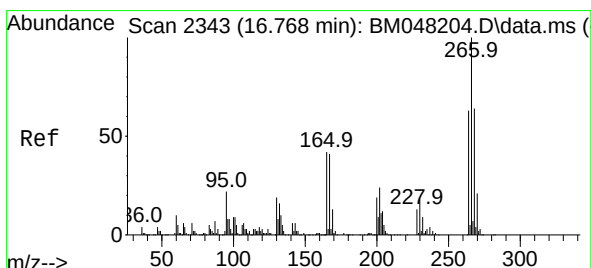
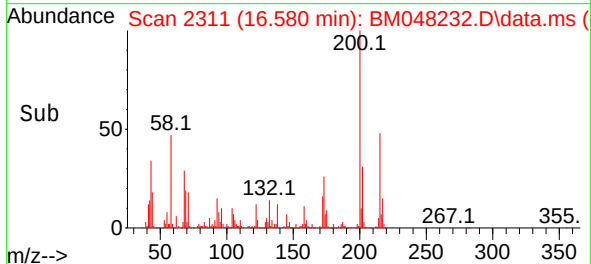
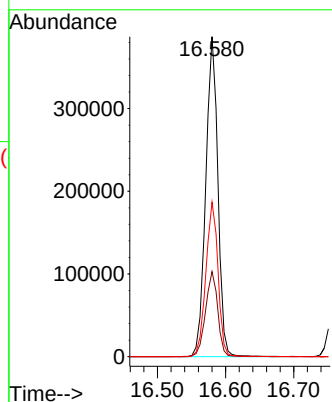
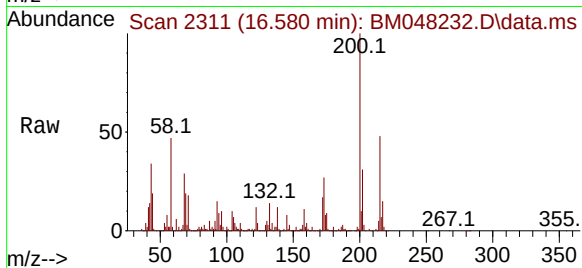
Tgt Ion:200 Resp: 479097

Ion Ratio Lower Upper

200 100

173 26.6 6.5 46.5

215 48.3 27.2 67.2



#70

Pentachlorophenol

Concen: 41.705 ng

RT: 16.762 min Scan# 2342

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

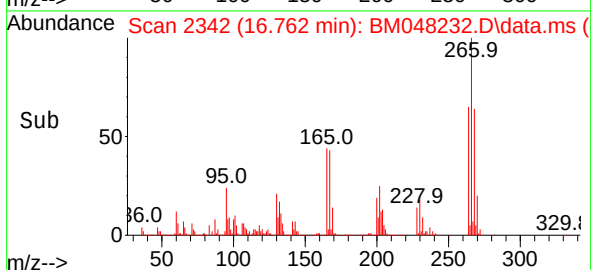
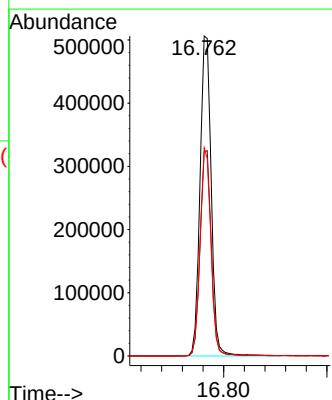
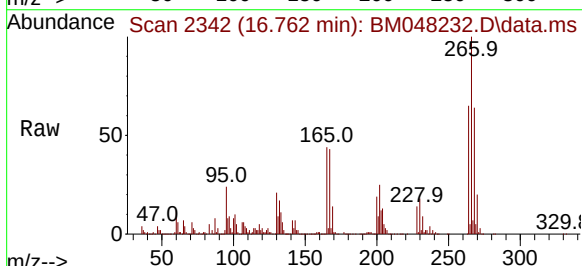
Tgt Ion:266 Resp: 759290

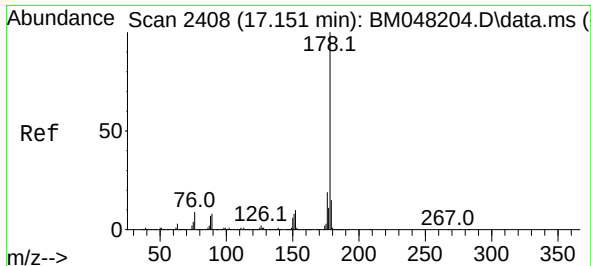
Ion Ratio Lower Upper

266 100

268 63.9 50.8 76.2

264 65.1 50.2 75.2

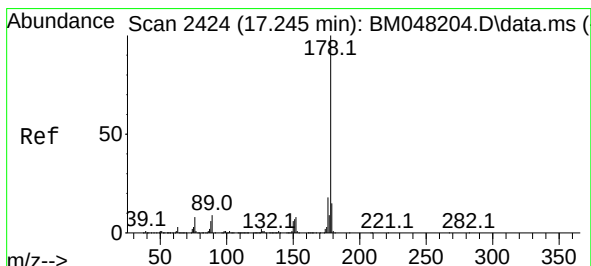
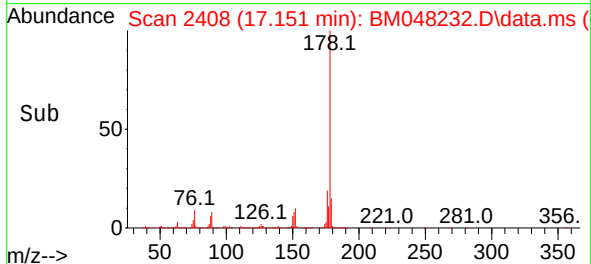
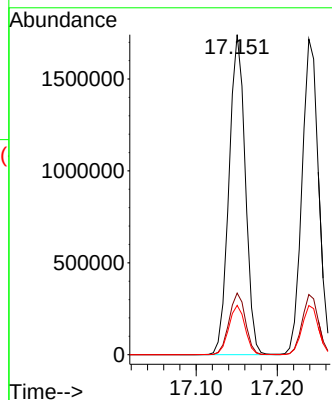
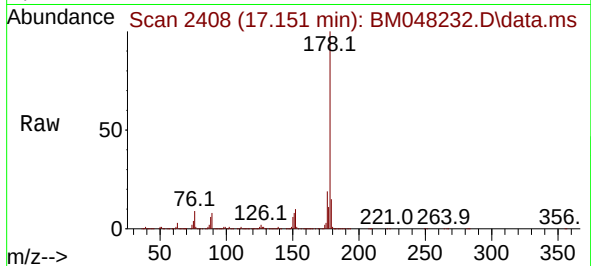




#71  
Phenanthrene  
Concen: 21.511 ng  
RT: 17.151 min Scan# 2408  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

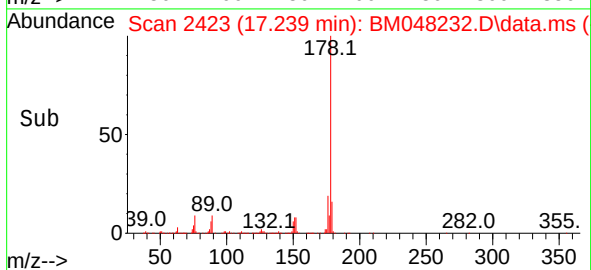
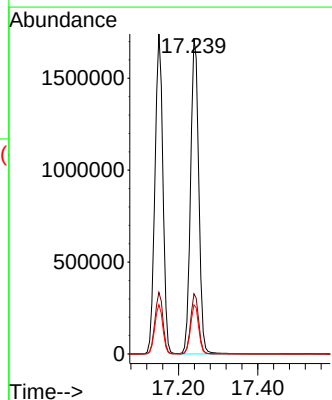
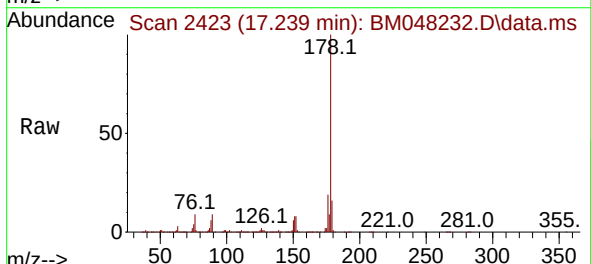
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

Tgt Ion:178 Resp: 2425725  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.4 12.4 18.6

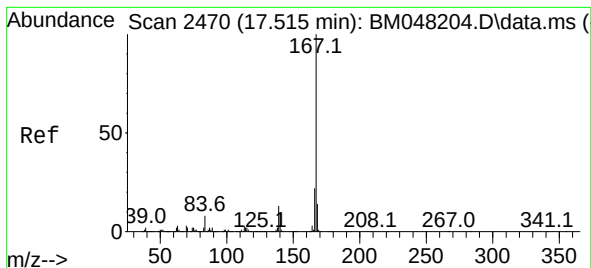


#72  
Anthracene  
Concen: 22.570 ng  
RT: 17.239 min Scan# 2423  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:178 Resp: 2463705  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.8 22.2  
179 15.6 12.2 18.2







#73

Carbazole

Concen: 20.242 ng

RT: 17.515 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

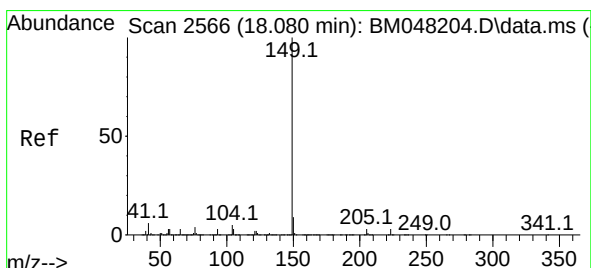
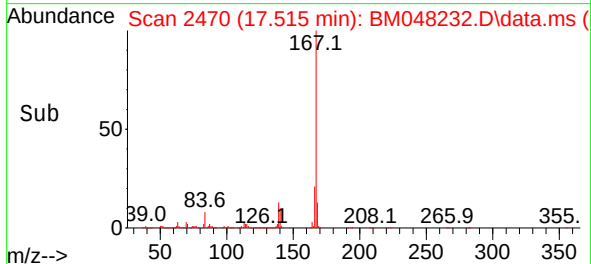
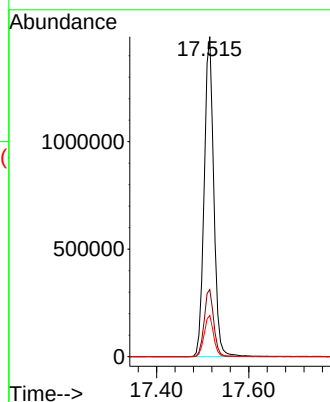
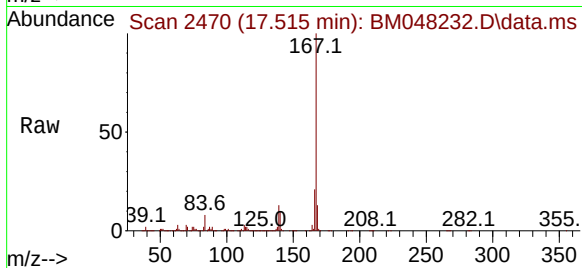
Tgt Ion:167 Resp: 2166162

Ion Ratio Lower Upper

167 100

166 20.9 17.2 25.8

139 12.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 20.656 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

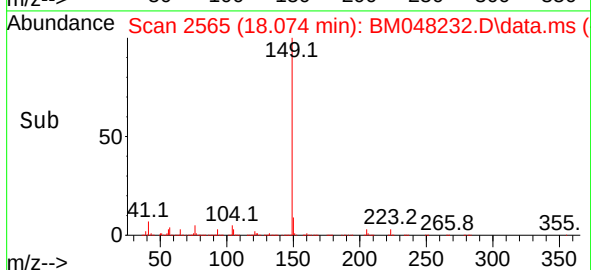
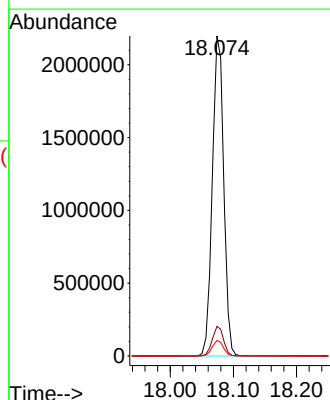
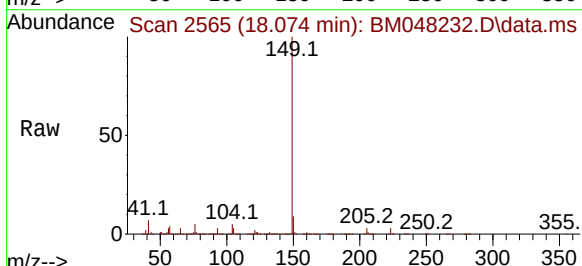
Tgt Ion:149 Resp: 2751370

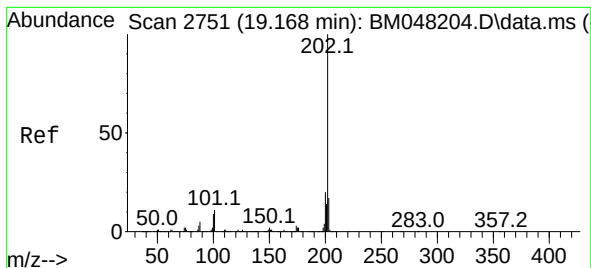
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 4.9 3.8 5.6

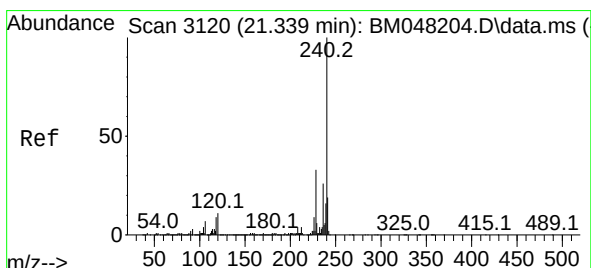
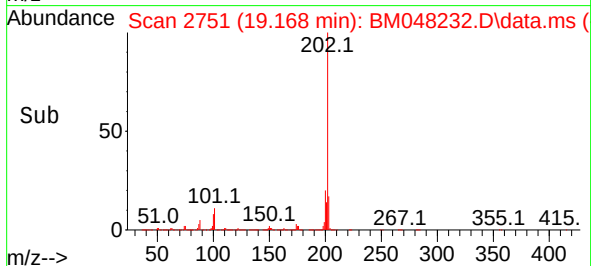
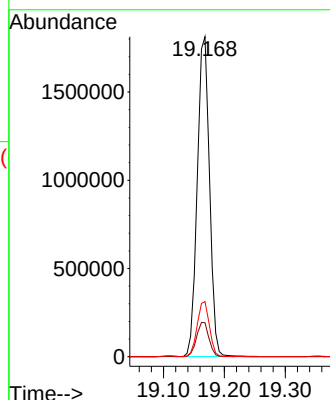
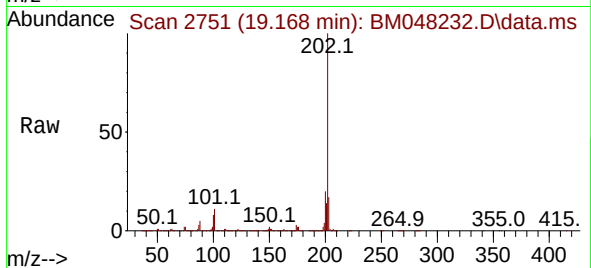




#75  
Fluoranthene  
Concen: 18.819 ng  
RT: 19.168 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

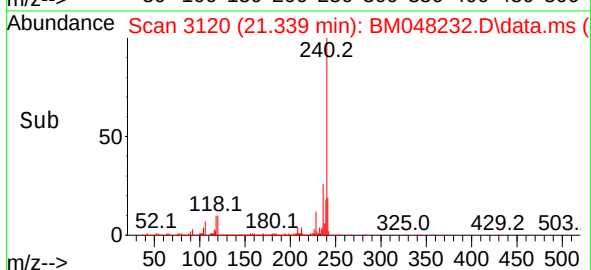
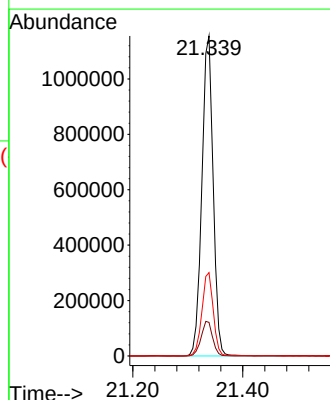
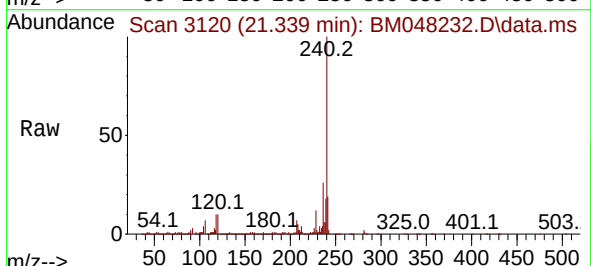
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

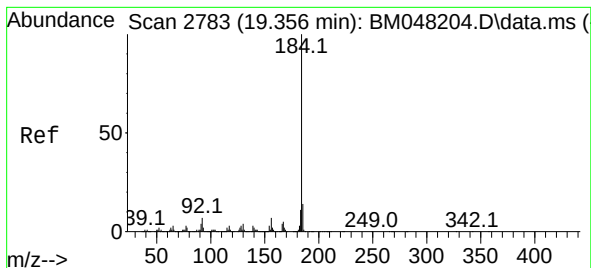
Tgt Ion:202 Resp: 2531360  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 31.0  
203 17.2 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.339 min Scan# 3120  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:240 Resp: 1649364  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.6 13.0  
236 26.1 20.7 31.1





#77

Benzidine

Concen: 45.704 ng

RT: 19.356 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

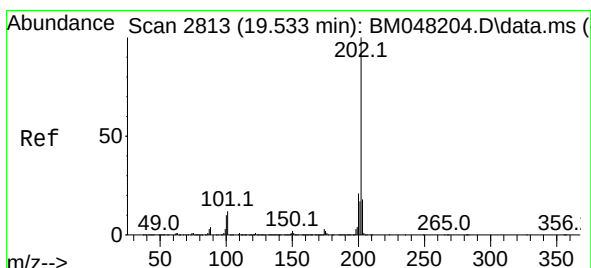
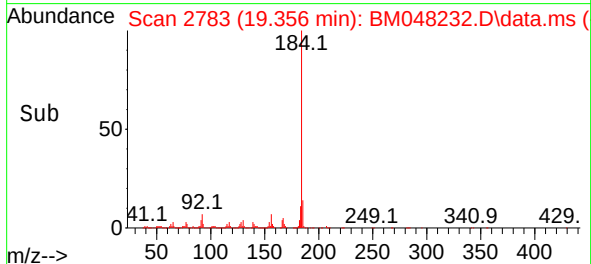
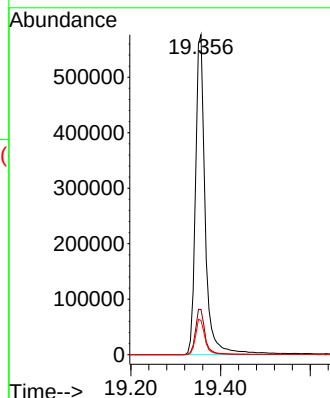
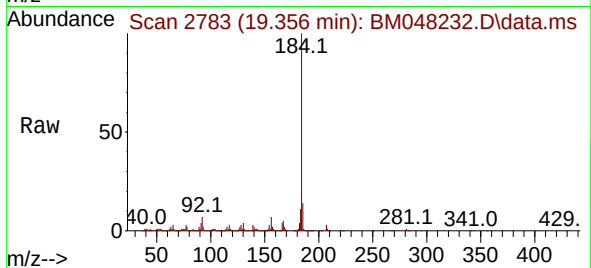
Tgt Ion:184 Resp: 869991

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

183 10.7 9.0 13.4



#78

Pyrene

Concen: 24.194 ng

RT: 19.527 min Scan# 2812

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

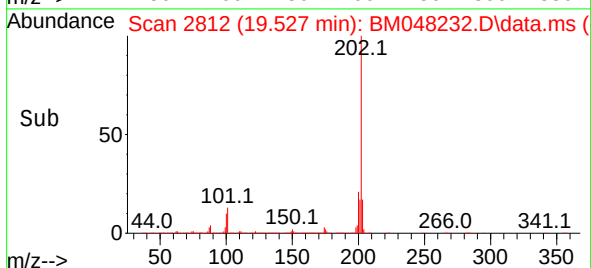
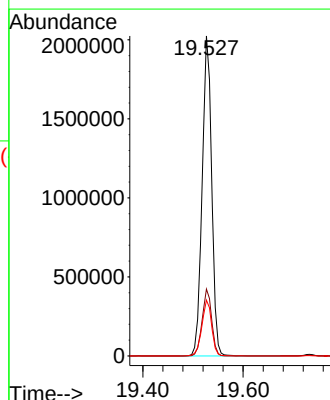
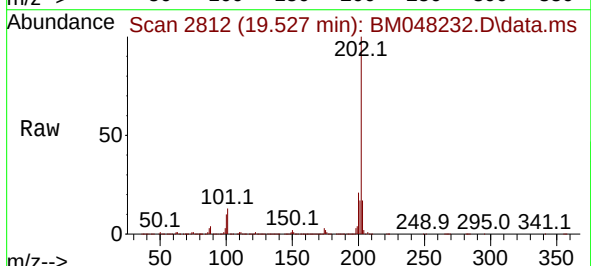
Tgt Ion:202 Resp: 2670908

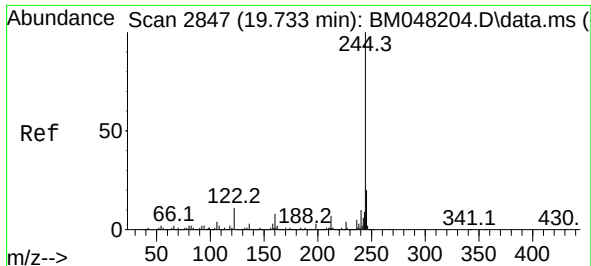
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.5 14.1 21.1

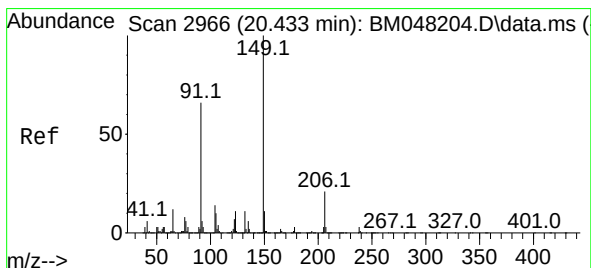
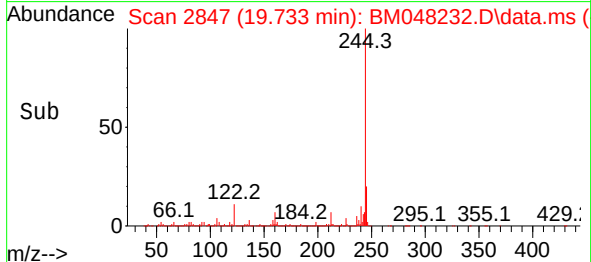
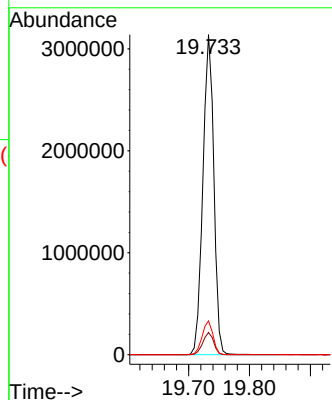
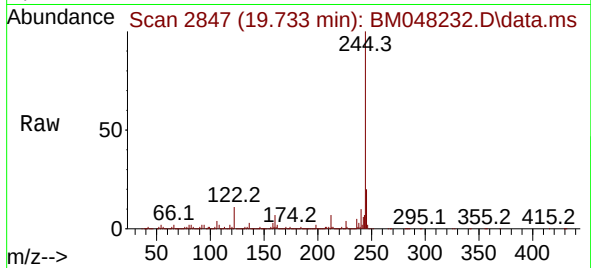




#79  
 Terphenyl-d14  
 Concen: 48.227 ng  
 RT: 19.733 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BM048232.D  
 Acq: 25 Oct 2024 12:19

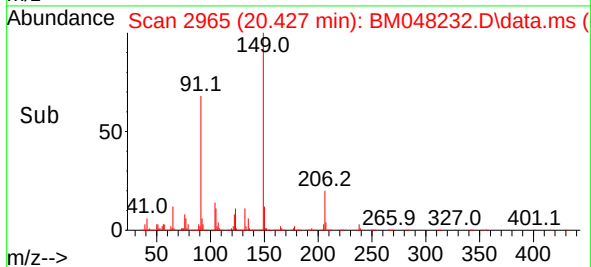
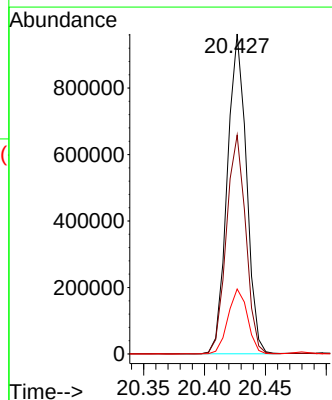
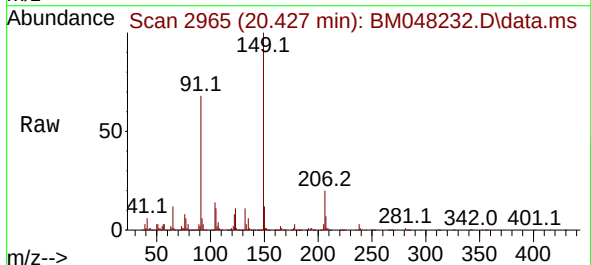
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB164369BS

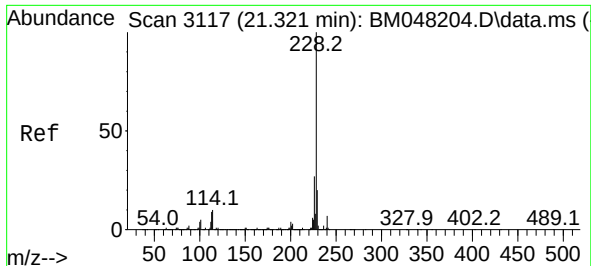
Tgt Ion:244 Resp: 3897811  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 10.5 8.8 13.2



#80  
 Butylbenzylphthalate  
 Concen: 22.806 ng  
 RT: 20.427 min Scan# 2965  
 Delta R.T. -0.006 min  
 Lab File: BM048232.D  
 Acq: 25 Oct 2024 12:19

Tgt Ion:149 Resp: 1052820  
 Ion Ratio Lower Upper  
 149 100  
 91 68.4 52.5 78.7  
 206 20.3 17.0 25.6

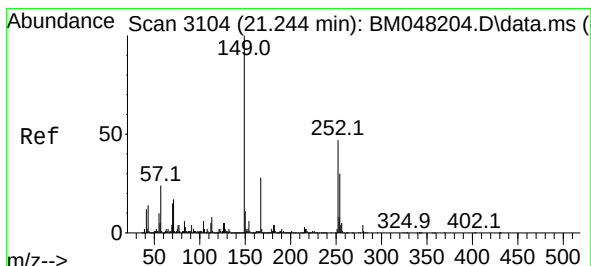
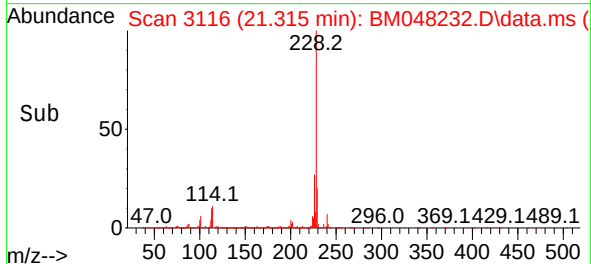
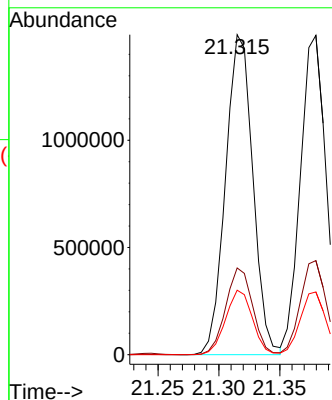
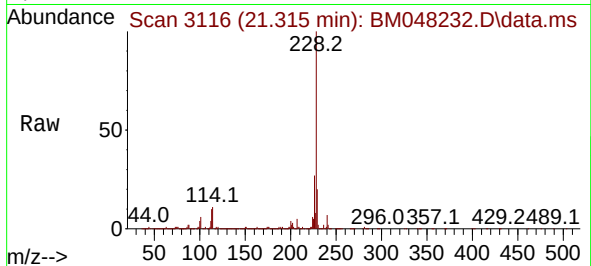




#81  
Benzo(a)anthracene  
Concen: 22.139 ng  
RT: 21.315 min Scan# 3116  
Delta R.T. -0.006 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

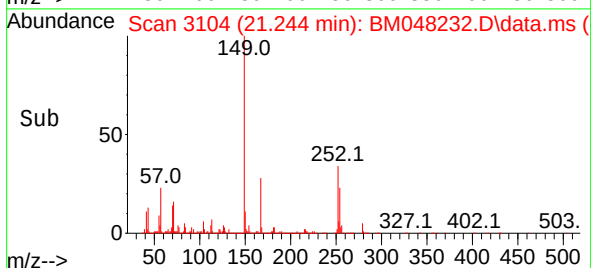
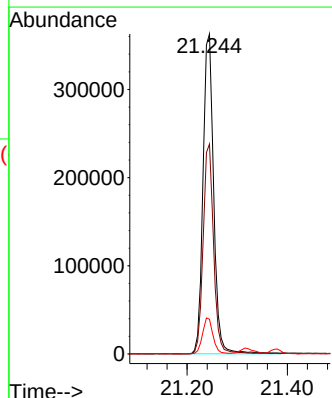
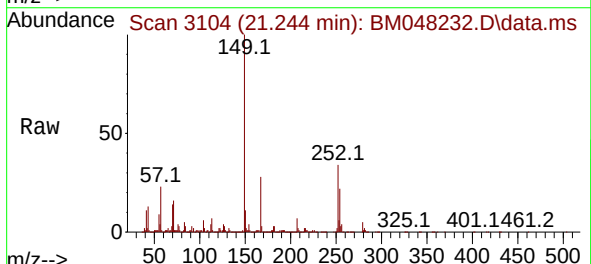
Instrument :  
BNA\_M  
ClientSampleId :  
PB164369BS

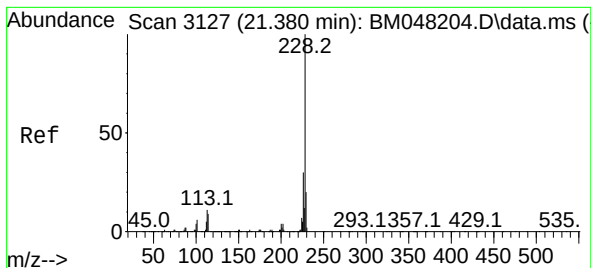
Tgt Ion:228 Resp: 2333439  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.5 32.3  
229 20.1 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 14.833 ng  
RT: 21.244 min Scan# 3104  
Delta R.T. 0.000 min  
Lab File: BM048232.D  
Acq: 25 Oct 2024 12:19

Tgt Ion:252 Resp: 535488  
Ion Ratio Lower Upper  
252 100  
254 65.6 51.8 77.8  
126 10.9 8.8 13.2





#83

Chrysene

Concen: 21.778 ng

RT: 21.380 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

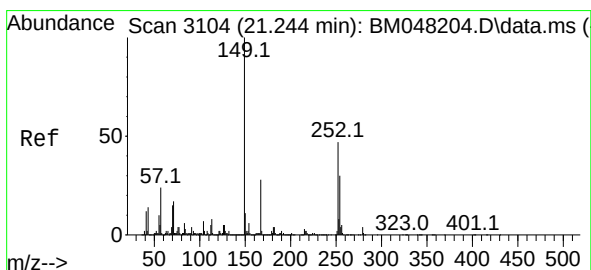
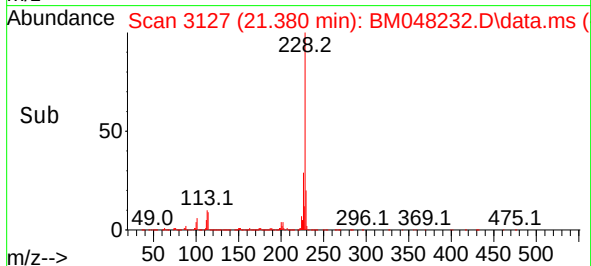
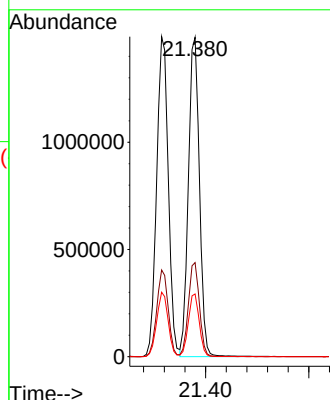
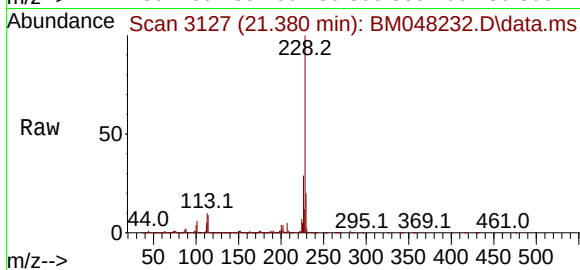
Tgt Ion:228 Resp: 2203286

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.863 ng

RT: 21.239 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

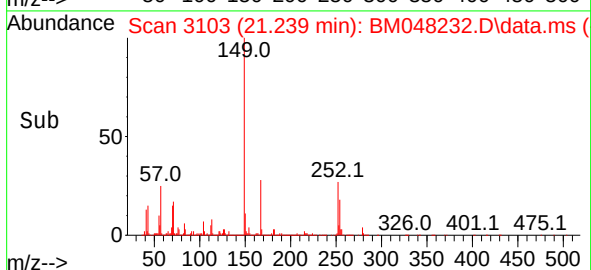
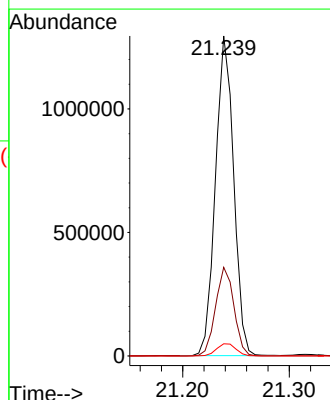
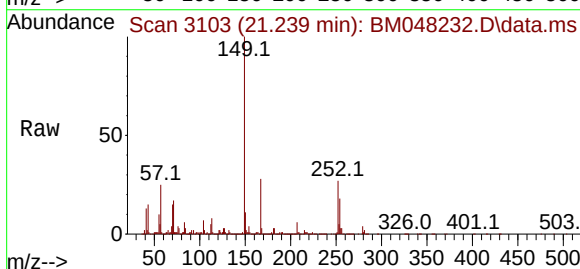
Tgt Ion:149 Resp: 1534014

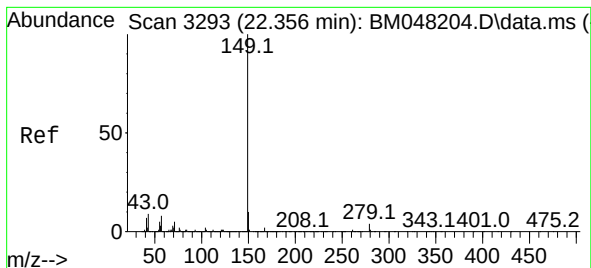
Ion Ratio Lower Upper

149 100

167 27.7 22.5 33.7

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 21.520 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

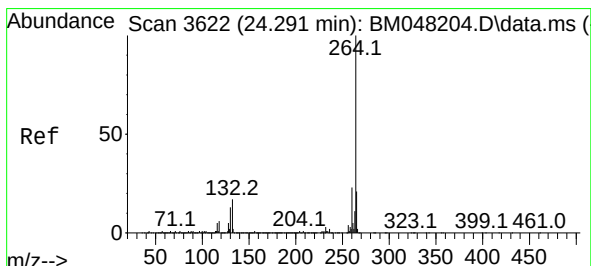
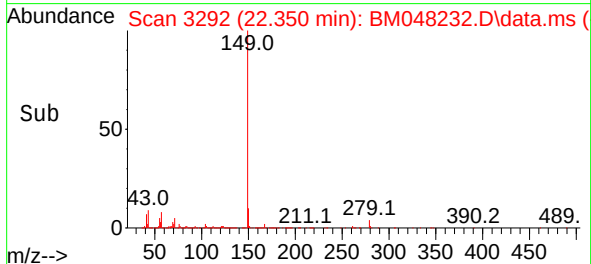
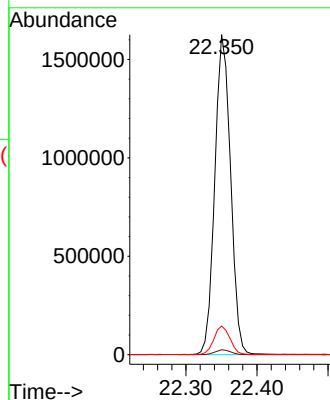
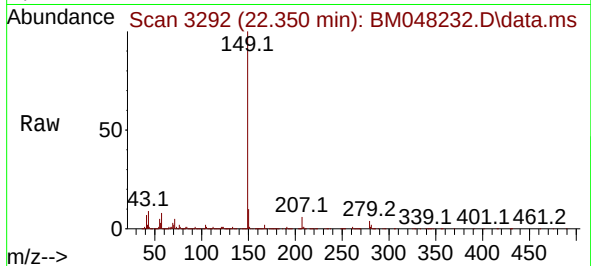
Tgt Ion:149 Resp: 2500797

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 9.1 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.285 min Scan# 3621

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

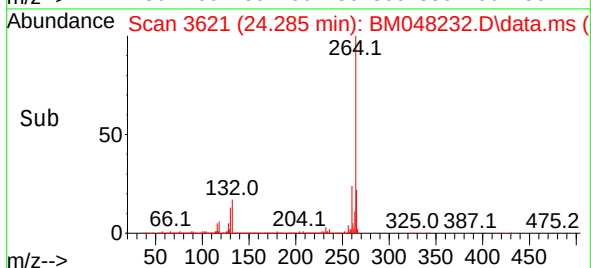
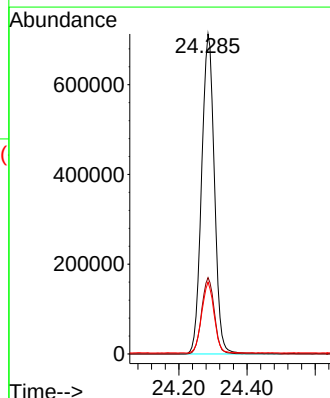
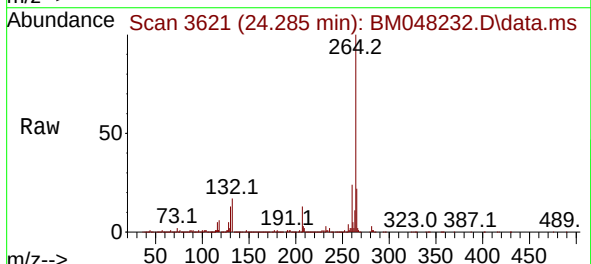
Tgt Ion:264 Resp: 1859426

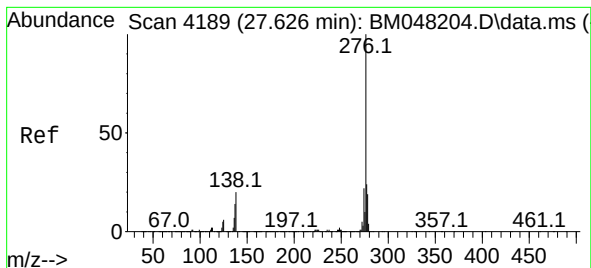
Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 22.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.569 ng

RT: 27.615 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

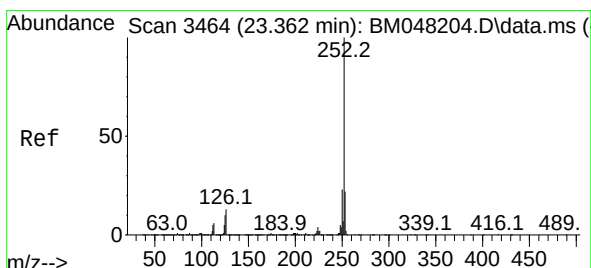
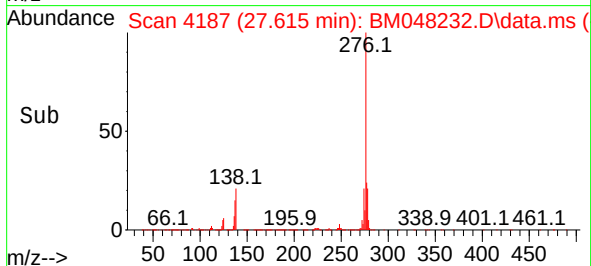
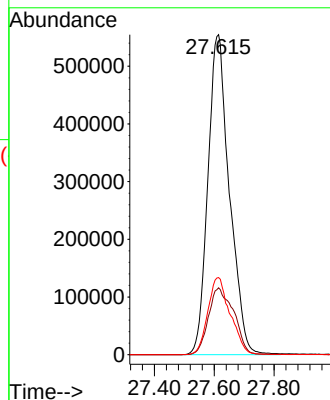
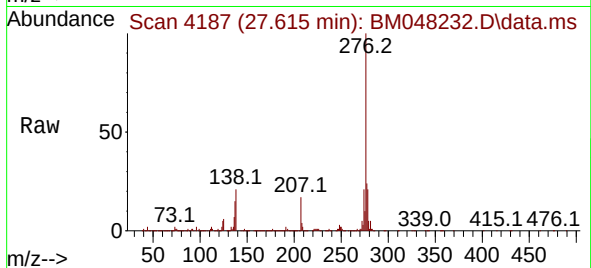
Tgt Ion:276 Resp: 2775096

Ion Ratio Lower Upper

276 100

138 24.6 19.8 29.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 21.193 ng

RT: 23.356 min Scan# 3463

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

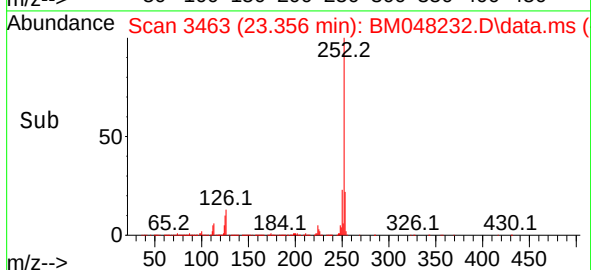
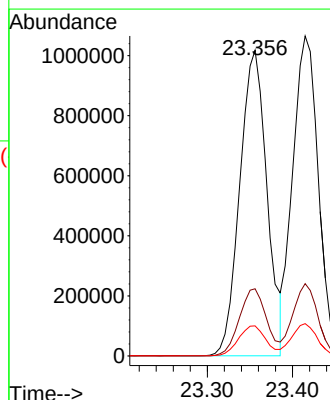
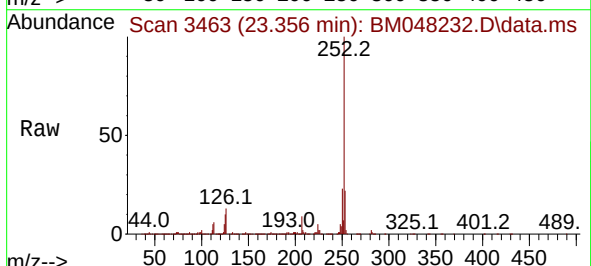
Tgt Ion:252 Resp: 2259445

Ion Ratio Lower Upper

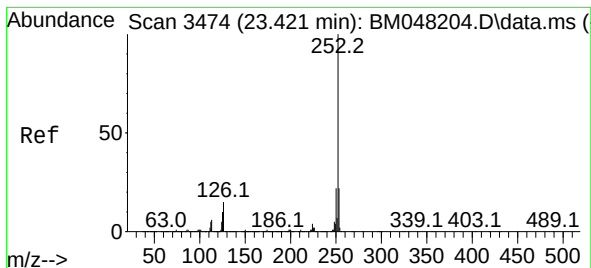
252 100

253 22.0 17.8 26.6

125 9.8 7.9 11.9







#89

Benzo(k)fluoranthene

Concen: 21.679 ng

RT: 23.415 min Scan# 3474

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

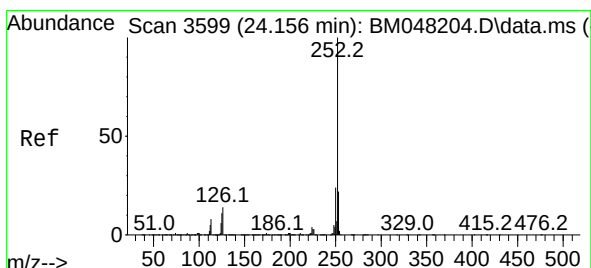
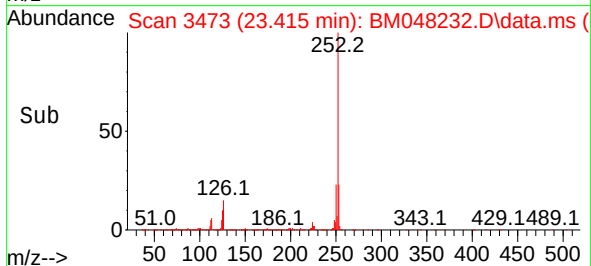
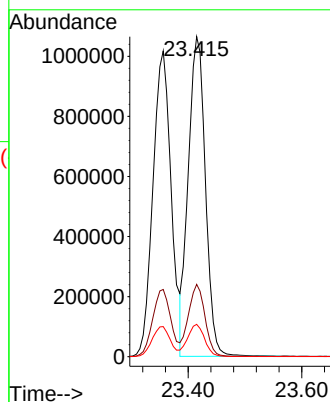
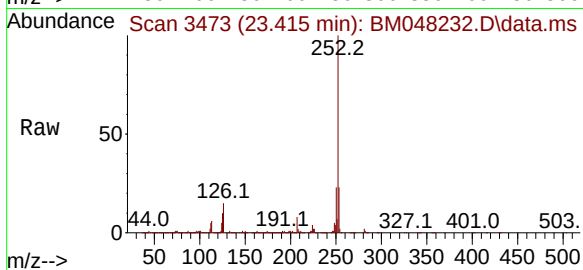
Tgt Ion:252 Resp: 2234597

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 10.1 7.8 11.6



#90

Benzo(a)pyrene

Concen: 23.041 ng

RT: 24.150 min Scan# 3598

Delta R.T. -0.006 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

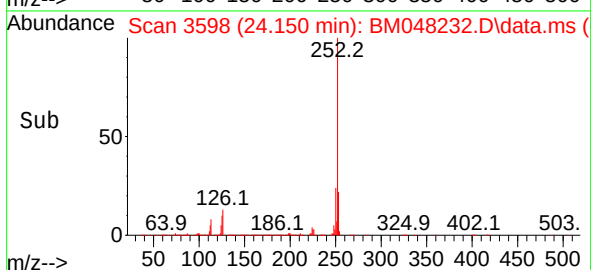
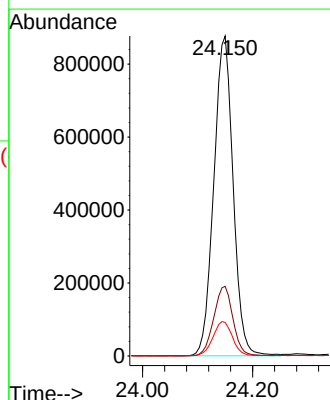
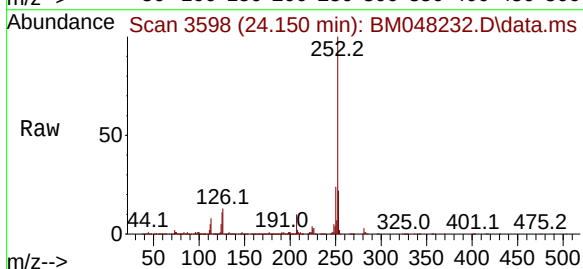
Tgt Ion:252 Resp: 2135562

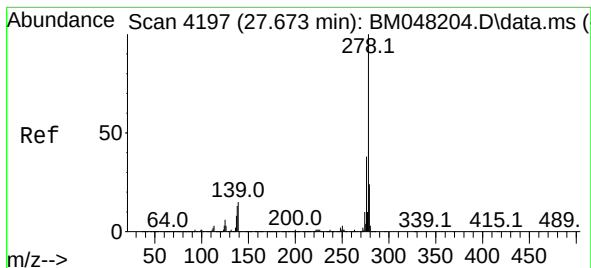
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 22.456 ng

RT: 27.662 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Instrument :

BNA\_M

ClientSampleId :

PB164369BS

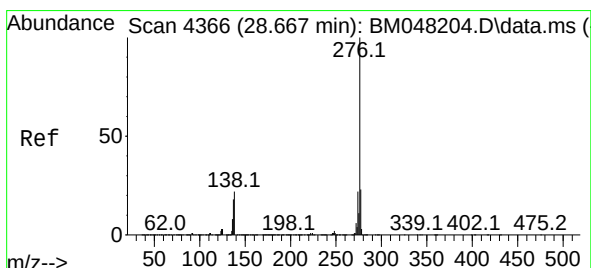
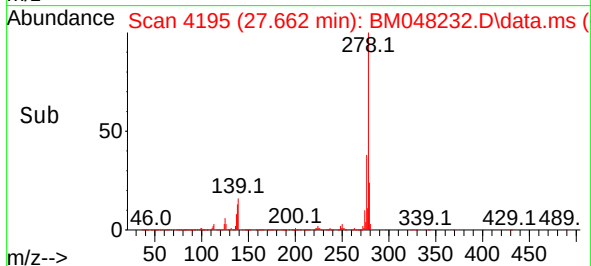
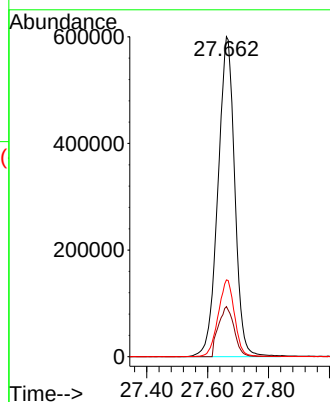
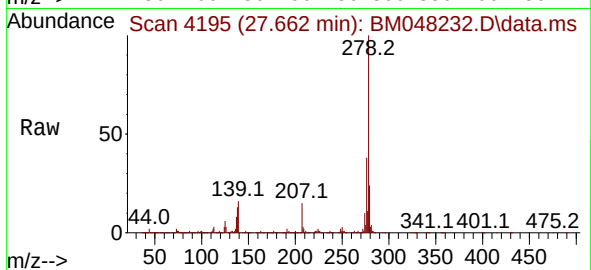
Tgt Ion:278 Resp: 2299349

Ion Ratio Lower Upper

278 100

139 15.6 12.2 18.4

279 24.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 20.467 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.024 min

Lab File: BM048232.D

Acq: 25 Oct 2024 12:19

Tgt Ion:276 Resp: 2146032

Ion Ratio Lower Upper

276 100

277 23.5 18.5 27.7

138 20.6 17.5 26.3

