

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091424\  
 Data File : BM047530.D  
 Acq On : 14 Sep 2024 19:12  
 Operator : RC/JU  
 Sample : PB163160BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB163160BS

Quant Time: Sep 16 01:17:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM091424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Sep 15 08:56:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.851  | 152  | 376789   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.645 | 136  | 1618389  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.480 | 164  | 920883   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.215 | 188  | 1589037  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.439 | 240  | 1105064  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.462 | 264  | 804281   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 3836968  | 162.141 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.016  | 99   | 5081348  | 152.473 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.004  | 82   | 3041912  | 94.066  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 1401425  | 157.443 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 6718540  | 100.501 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.833 | 244  | 7922916  | 128.476 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.322  | 88   | 373085   | 36.808  | ng    | 99       |
| 3) Pyridine                   | 3.716  | 79   | 1065341  | 35.310  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 601092   | 43.910  | ng    | 98       |
| 6) Aniline                    | 7.175  | 93   | 1486093  | 50.298  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.416  | 128  | 1255551  | 48.129  | ng    | 99       |
| 9) Benzaldehyde               | 6.987  | 77   | 279737   | 17.653  | ng    | 99       |
| 10) Phenol                    | 7.040  | 94   | 1689803  | 50.640  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.269  | 93   | 1187916  | 44.342  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.740  | 146  | 1206258  | 42.244  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.887  | 146  | 1238996  | 42.601  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.204  | 146  | 1199418  | 41.905  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.087  | 79   | 1120124  | 49.620  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.375  | 45   | 1754572  | 46.559  | ng    | 100      |
| 17) 2-Methylphenol            | 8.287  | 107  | 1061011  | 49.772  | ng    | 99       |
| 18) Hexachloroethane          | 8.934  | 117  | 503235   | 43.314  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.663  | 70   | 1014583  | 45.154  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.616  | 107  | 1446848  | 48.642  | ng    | 99       |
| 22) Acetophenone              | 8.669  | 105  | 1878673  | 44.154  | ng    | 99       |
| 24) Nitrobenzene              | 9.045  | 77   | 1431038  | 43.065  | ng    | 99       |
| 25) Isophorone                | 9.581  | 82   | 2566145  | 45.138  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.757  | 139  | 562682   | 49.692  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.816  | 122  | 1036637  | 60.392  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.057 | 93   | 1613876  | 45.193  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.292 | 162  | 1085780  | 49.789  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.510 | 180  | 1035371  | 41.448  | ng    | 98       |
| 31) Naphthalene               | 10.698 | 128  | 3816406  | 43.663  | ng    | 100      |
| 32) Benzoic acid              | 9.957  | 122  | 703613   | 42.479  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.798 | 127  | 970137   | 30.699  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.992 | 225  | 567737   | 41.033  | ng    | 98       |
| 35) Caprolactam               | 11.575 | 113  | 158535   | 22.071  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 11.922 | 107  | 1189083  | 47.579  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.310 | 142  | 2675858  | 45.998  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.528 | 142  | 2494900  | 43.156  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.675 | 216  | 1203149  | 48.283  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.663 | 237  | 1452509  | 178.307 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.910 | 196  | 769411   | 49.285  | ng    | 99       |

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 QLast Update : Sun Sep 15 08:56:37 2024  
 Response via : Initial Calibration

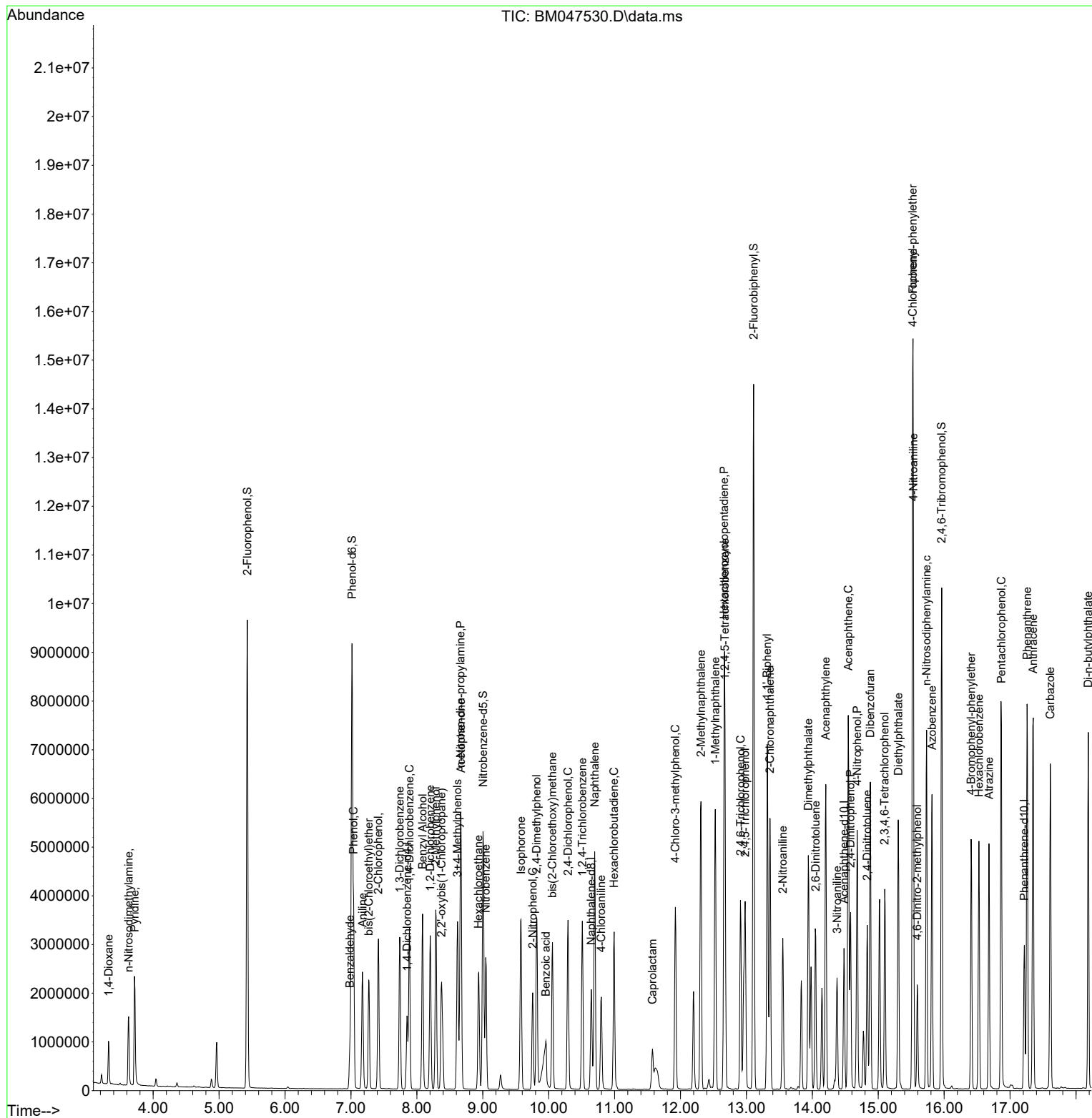
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.980 | 196  | 854467   | 48.458  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.316 | 154  | 3321408  | 46.356  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.357 | 162  | 2535537  | 45.575  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.551 | 65   | 799548   | 48.929  | ng    | 99       |
| 49) Acenaphthylene            | 14.204 | 152  | 4036704  | 50.280  | ng    | 100      |
| 50) Dimethylphthalate         | 13.939 | 163  | 2827740  | 45.052  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.051 | 165  | 584532   | 44.115  | ng    | 97       |
| 52) Acenaphthene              | 14.545 | 154  | 2577007  | 45.811  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.374 | 138  | 515880   | 35.028  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.580 | 184  | 604430   | 80.727  | ng    | 93       |
| 55) Dibenzofuran              | 14.880 | 168  | 3683272  | 46.595  | ng    | 100      |
| 56) 4-Nitrophenol             | 14.680 | 139  | 1191274  | 98.298  | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.833 | 165  | 803867   | 45.490  | ng    | 99       |
| 58) Fluorene                  | 15.527 | 166  | 3339040  | 46.917  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 651097   | 47.360  | ng    | 99       |
| 60) Diethylphthalate          | 15.304 | 149  | 2981295  | 44.630  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204  | 1494537  | 45.928  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.533 | 138  | 756660   | 43.708  | ng    | 98       |
| 63) Azobenzene                | 15.816 | 77   | 3467476  | 47.142  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 347804   | 43.724  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.733 | 169  | 2485201  | 51.123  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248  | 754844   | 48.888  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.527 | 284  | 820223   | 46.893  | ng    | 99       |
| 69) Atrazine                  | 16.680 | 200  | 704798   | 52.456  | ng    | 99       |
| 70) Pentachlorophenol         | 16.868 | 266  | 1072733  | 105.798 | ng    | 99       |
| 71) Phenanthrene              | 17.257 | 178  | 4277100  | 48.841  | ng    | 99       |
| 72) Anthracene                | 17.351 | 178  | 4363975  | 51.868  | ng    | 100      |
| 73) Carbazole                 | 17.610 | 167  | 3804785  | 45.632  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.186 | 149  | 4738766  | 47.500  | ng    | 100      |
| 75) Fluoranthene              | 19.262 | 202  | 4183458  | 43.785  | ng    | 99       |
| 77) Benzidine                 | 19.445 | 184  | 1219200  | 78.337  | ng    | 99       |
| 78) Pyrene                    | 19.627 | 202  | 4465367  | 55.397  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.521 | 149  | 1652932  | 53.270  | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.421 | 228  | 3519445  | 48.862  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 792608   | 41.367  | ng    | 98       |
| 83) Chrysene                  | 21.486 | 228  | 3291965  | 48.319  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149  | 2465921  | 50.730  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.503 | 149  | 3384313  | 49.221  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.891 | 276  | 2582184  | 53.648  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.509 | 252  | 2536602  | 48.745  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.574 | 252  | 2646672  | 51.318  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.327 | 252  | 2311498  | 54.196  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.956 | 278  | 2144802  | 52.964  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.950 | 276  | 1955354  | 49.431  | ng    | 100      |

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

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 ALS Vial : 13 Sample Multiplier: 1

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 BNA\_M  
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 PB163160BS

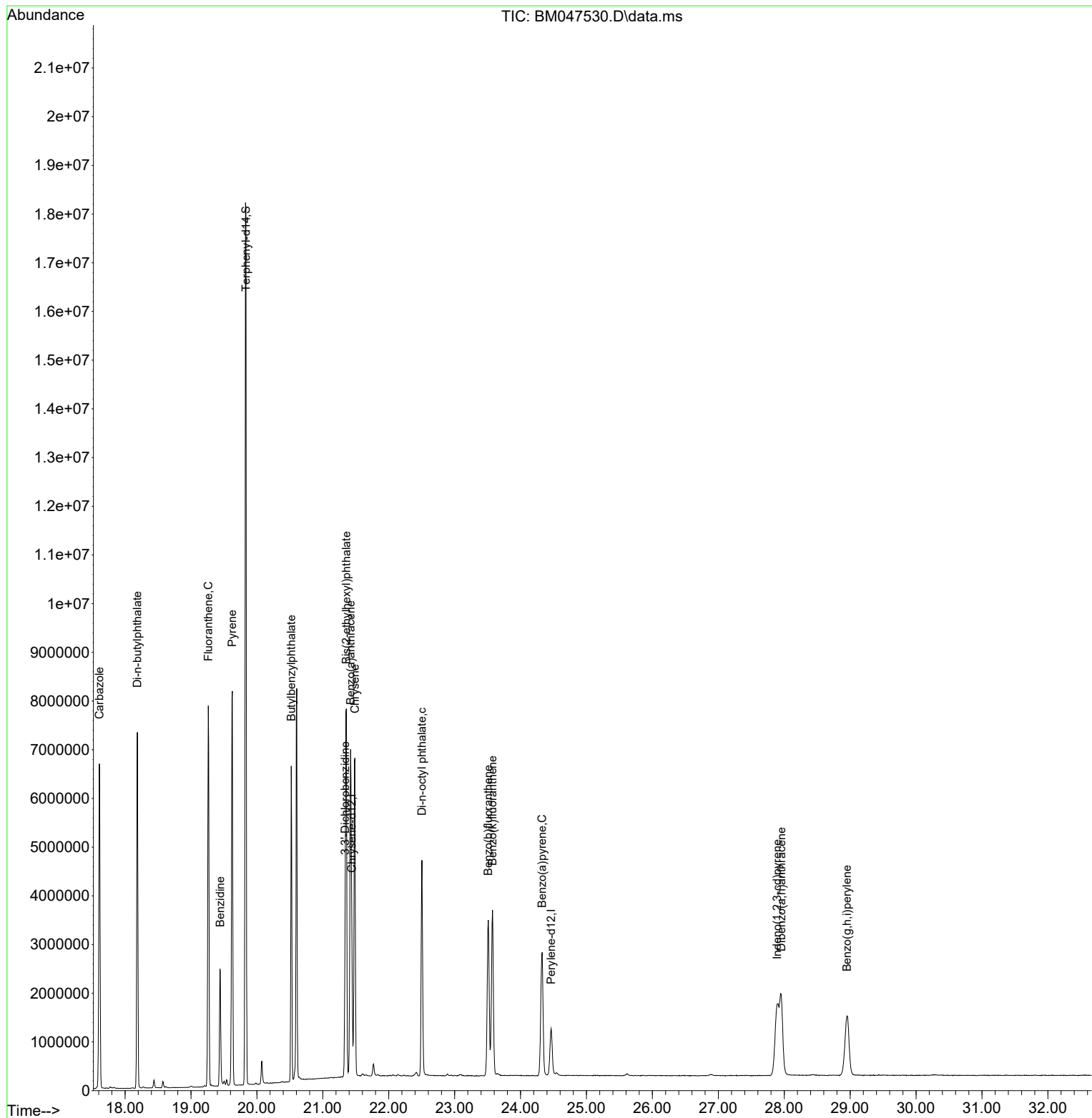
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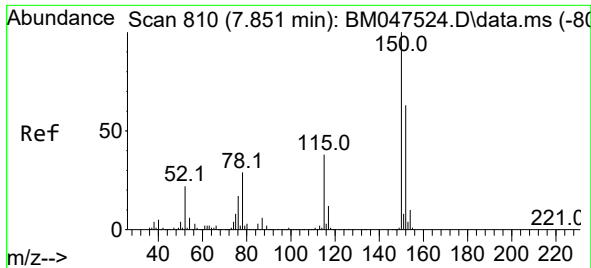


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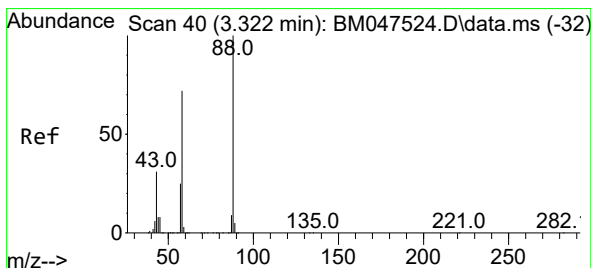
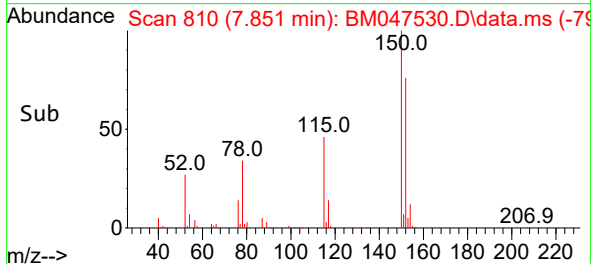
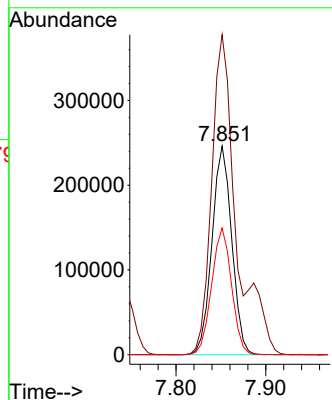
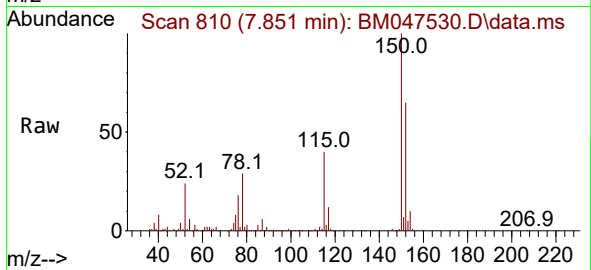




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.851 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

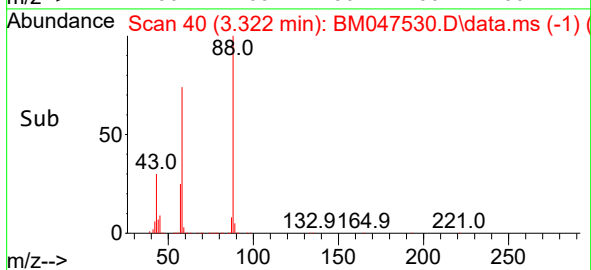
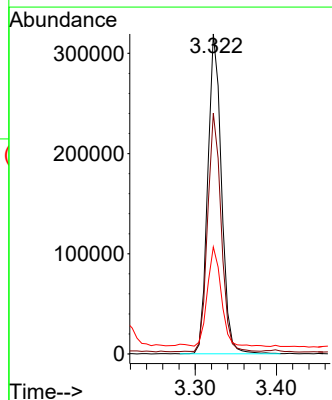
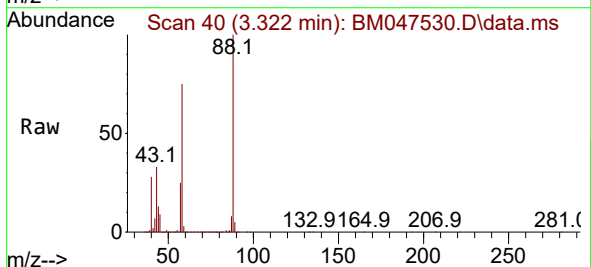
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

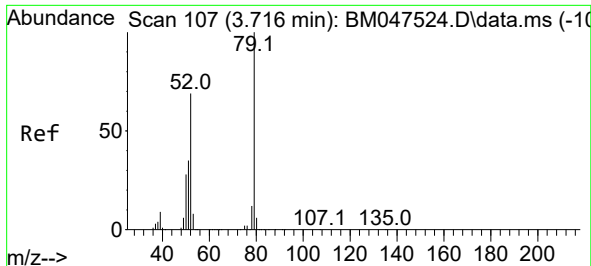
Tgt Ion:152 Resp: 376789  
Ion Ratio Lower Upper  
152 100  
150 153.3 126.8 190.2  
115 60.7 47.8 71.8



#2  
1,4-Dioxane  
Concen: 36.808 ng  
RT: 3.322 min Scan# 40  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 88 Resp: 373085  
Ion Ratio Lower Upper  
88 100  
58 73.3 59.0 88.6  
43 31.5 25.0 37.4

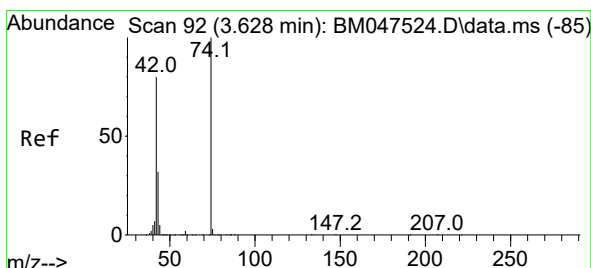
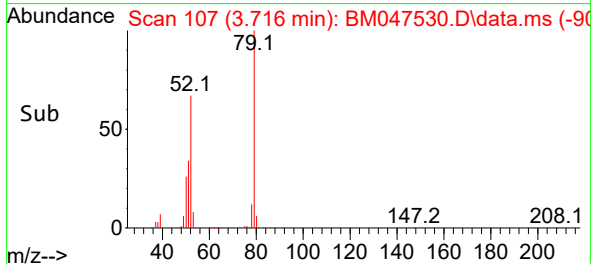
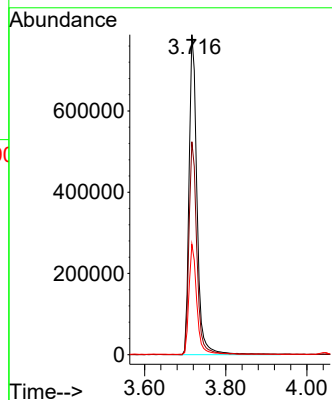
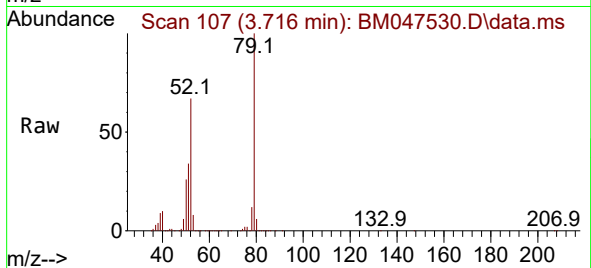




#3  
Pyridine  
Concen: 35.310 ng  
RT: 3.716 min Scan# 107  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

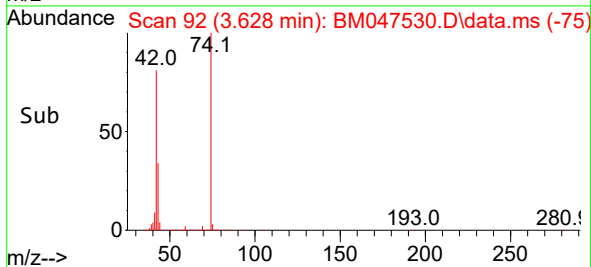
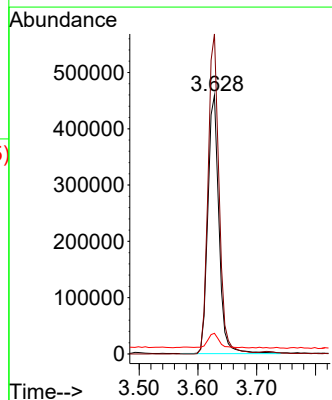
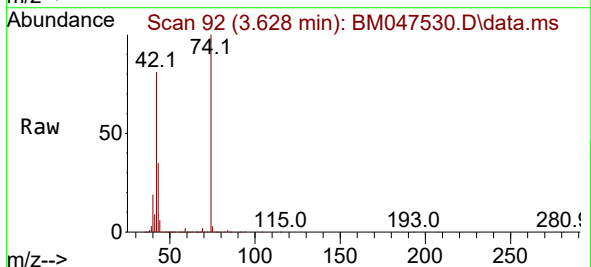
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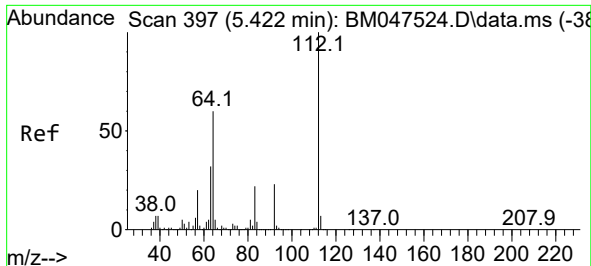
Tgt Ion: 79 Resp: 1065341  
Ion Ratio Lower Upper  
79 100  
52 66.5 55.4 83.0  
51 34.5 27.9 41.9



#4  
n-Nitrosodimethylamine  
Concen: 43.910 ng  
RT: 3.628 min Scan# 92  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 42 Resp: 601092  
Ion Ratio Lower Upper  
42 100  
74 123.8 100.5 150.7  
44 8.0 6.9 10.3

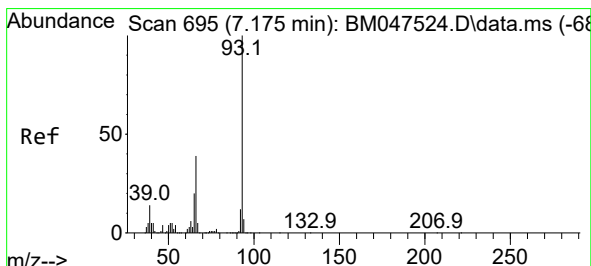
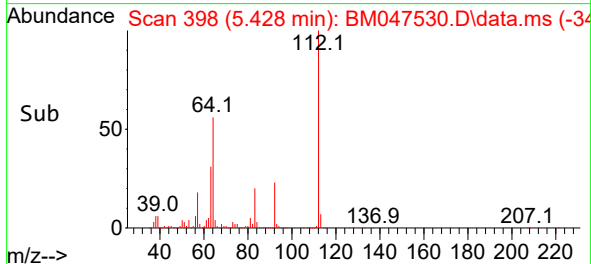
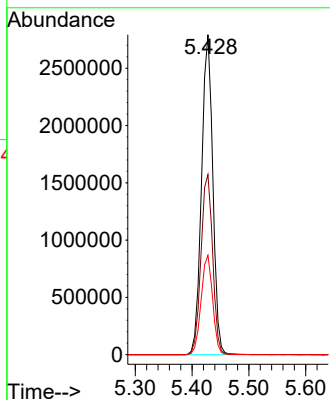
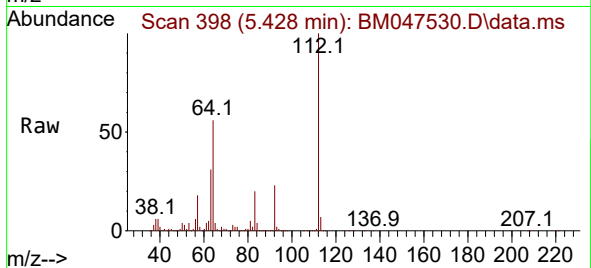




#5  
2-Fluorophenol  
Concen: 162.141 ng  
RT: 5.428 min Scan# 397  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

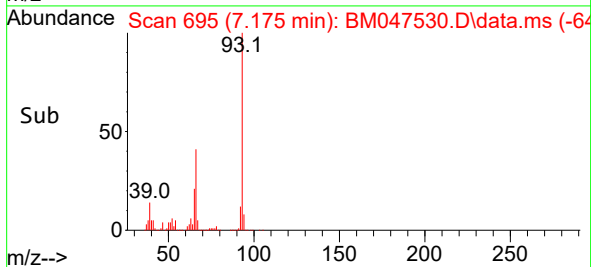
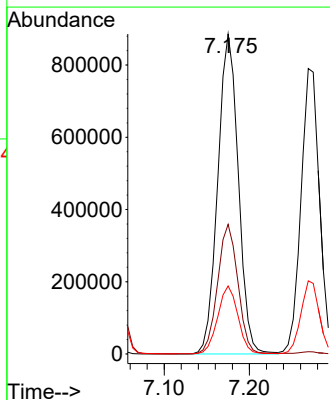
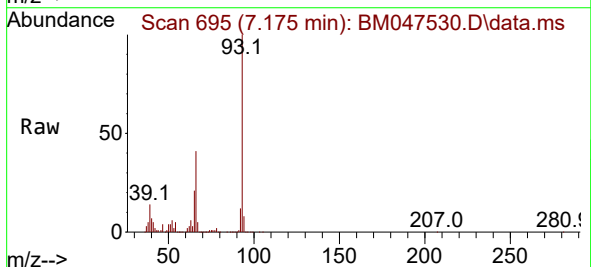
Instrument :  
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ClientSampleId :  
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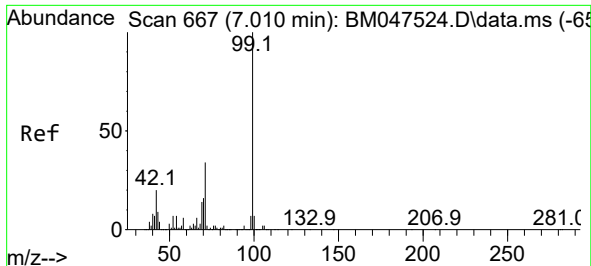
Tgt Ion:112 Resp: 3836968  
Ion Ratio Lower Upper  
112 100  
64 56.3 48.2 72.4  
63 31.0 26.0 39.0



#6  
Aniline  
Concen: 50.298 ng  
RT: 7.175 min Scan# 695  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 93 Resp: 1486093  
Ion Ratio Lower Upper  
93 100  
66 40.5 31.4 47.0  
65 21.3 16.3 24.5

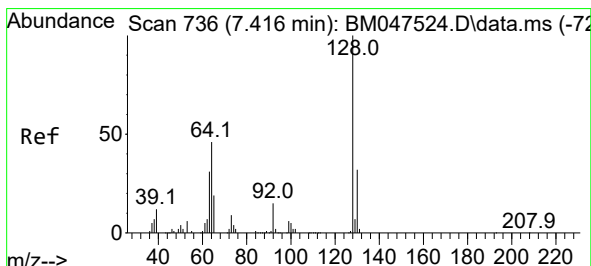
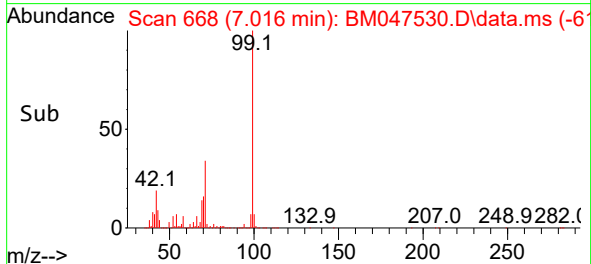
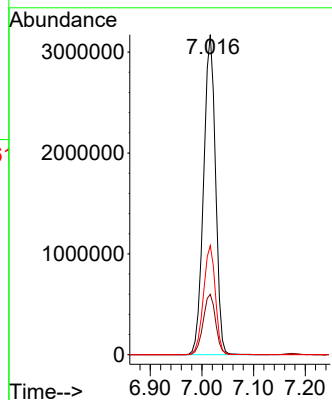
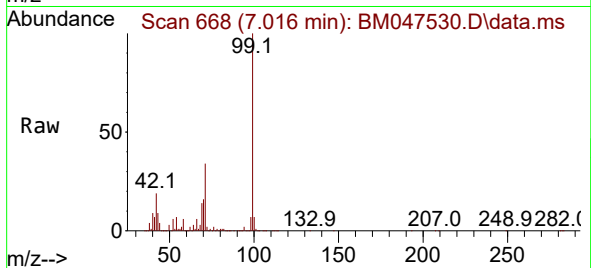




#7  
Phenol-d6  
Concen: 152.473 ng  
RT: 7.016 min Scan# 667  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
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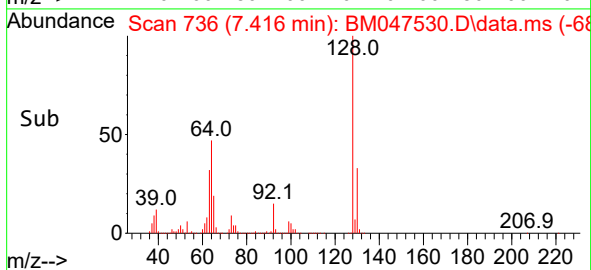
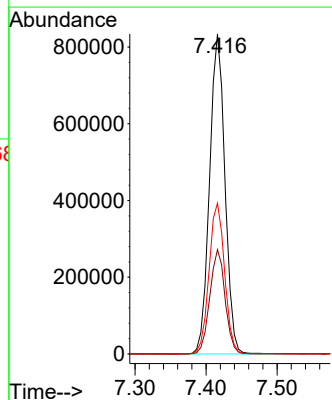
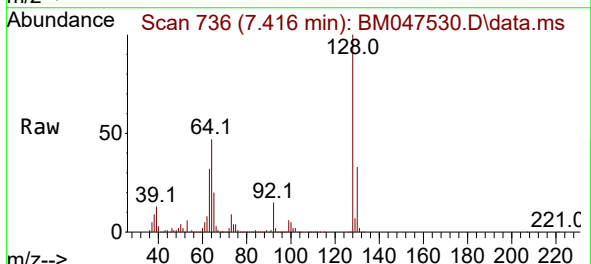
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion: 99 Resp: 5081348  
Ion Ratio Lower Upper  
99 100  
42 18.9 15.8 23.8  
71 34.1 27.6 41.4

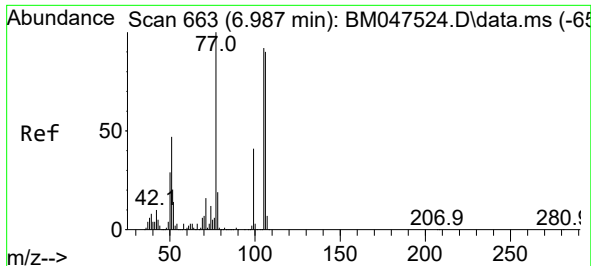


#8  
2-Chlorophenol  
Concen: 48.129 ng  
RT: 7.416 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 128 Resp: 1255551  
Ion Ratio Lower Upper  
128 100  
130 32.6 11.8 51.8  
64 47.1 27.6 67.6



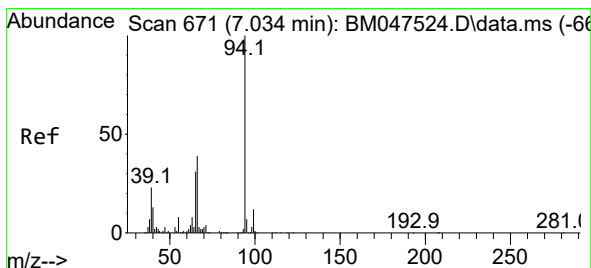
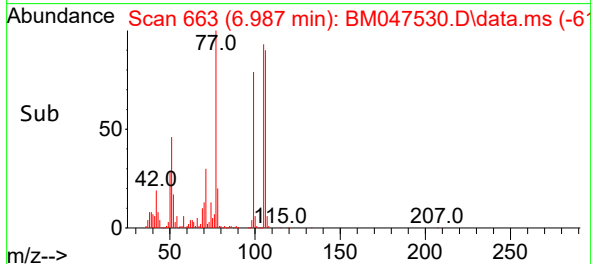
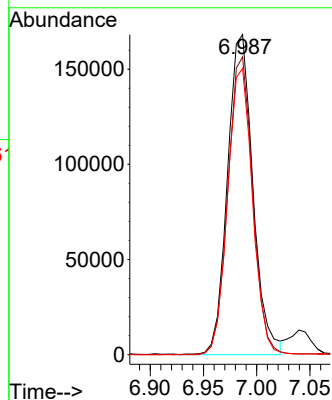
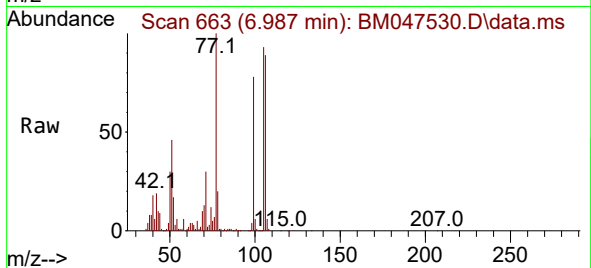




#9  
Benzaldehyde  
Concen: 17.653 ng  
RT: 6.987 min Scan# 663  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

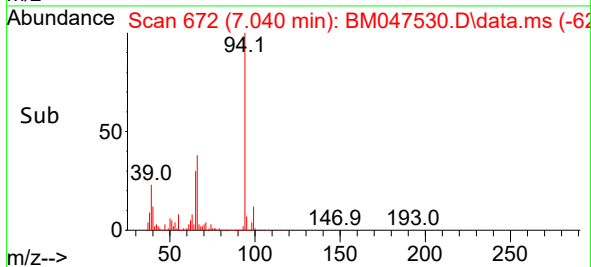
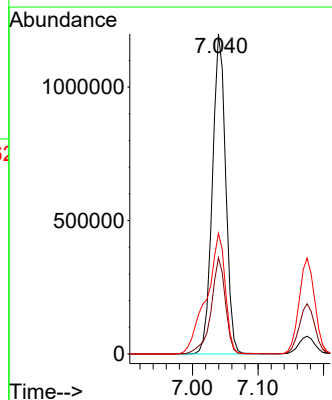
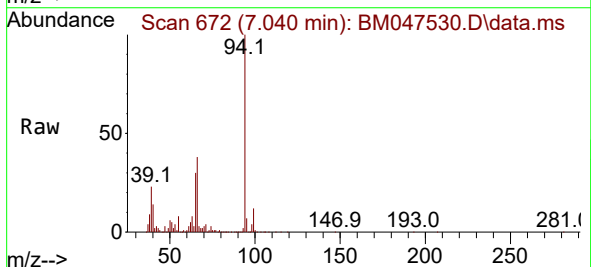
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

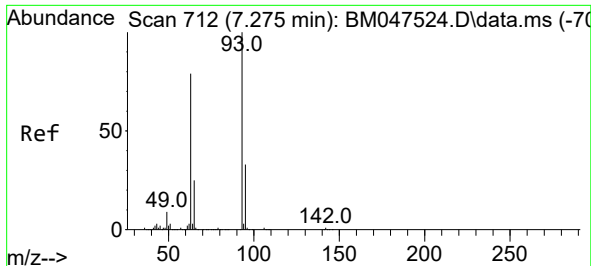
Tgt Ion: 77 Resp: 279737  
Ion Ratio Lower Upper  
77 100  
105 93.0 71.8 111.8  
106 89.5 69.7 109.7



#10  
Phenol  
Concen: 50.640 ng  
RT: 7.040 min Scan# 672  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 94 Resp: 1689803  
Ion Ratio Lower Upper  
94 100  
65 30.1 10.8 50.8  
66 37.7 19.2 59.2



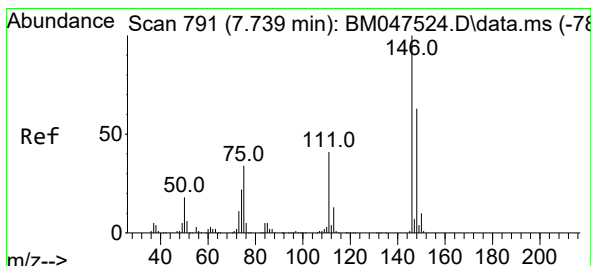
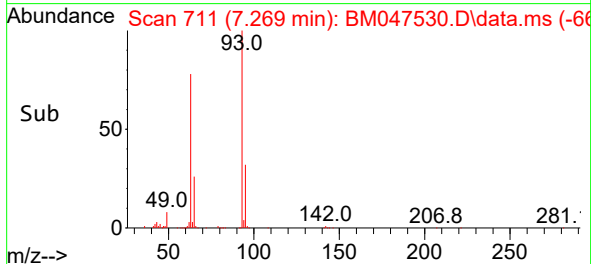
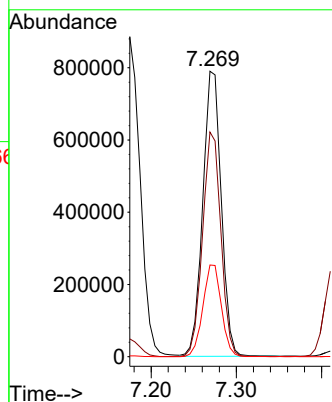
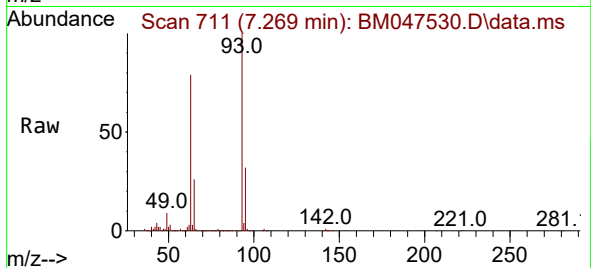


#11  
bis(2-Chloroethyl)ether  
Concen: 44.342 ng  
RT: 7.269 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion: 93 Resp: 1187916  

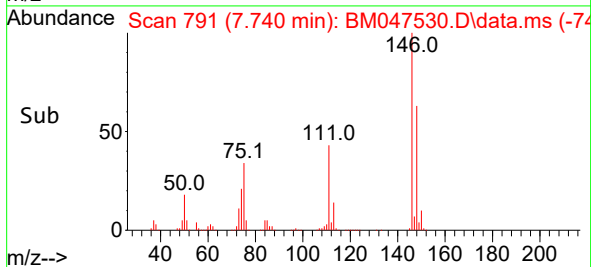
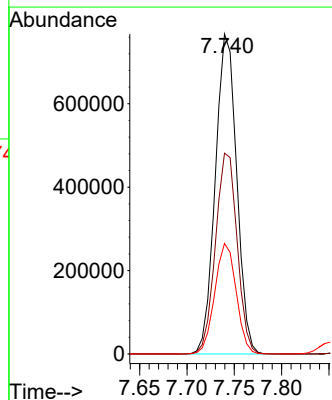
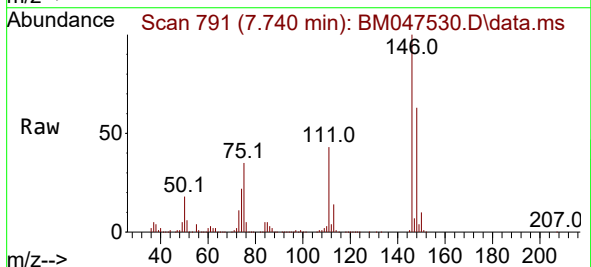
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 78.7  | 58.2  | 98.2  |
| 95  | 32.1  | 12.8  | 52.8  |

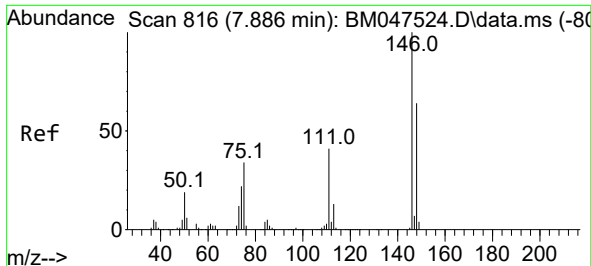


#12  
1,3-Dichlorobenzene  
Concen: 42.244 ng  
RT: 7.740 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:146 Resp: 1206258  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.7  | 50.2  | 75.4  |
| 75  | 34.6  | 27.4  | 41.0  |

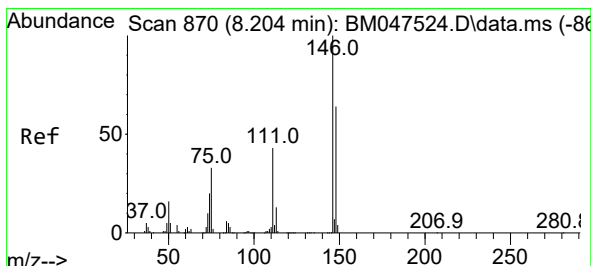
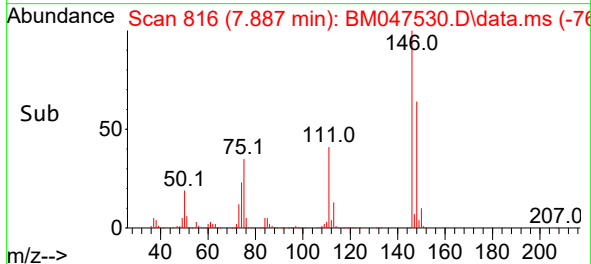
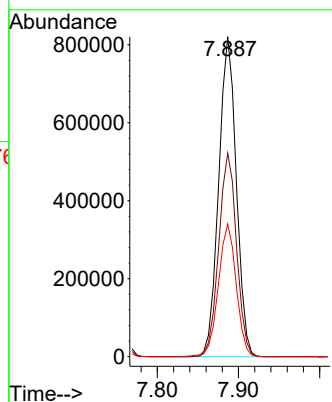
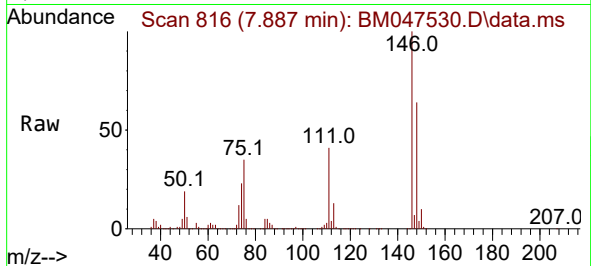




#13  
1,4-Dichlorobenzene  
Concen: 42.601 ng  
RT: 7.887 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

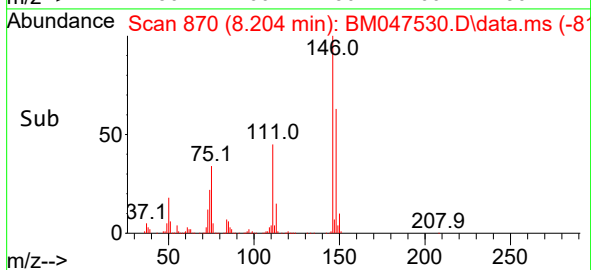
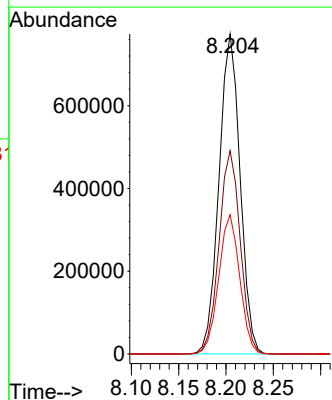
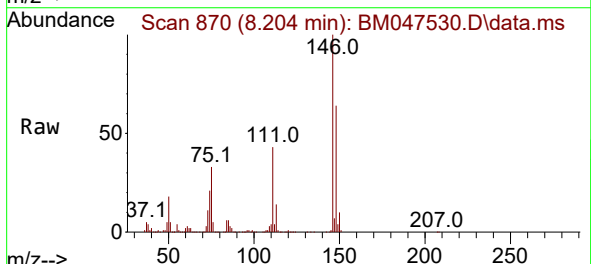
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

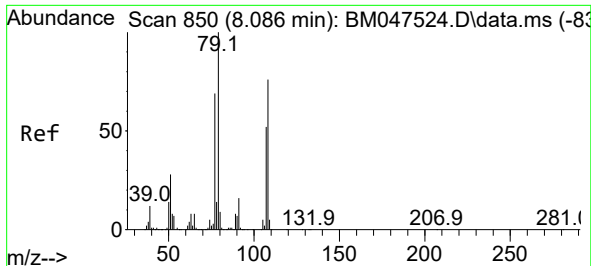
Tgt Ion:146 Resp: 1238996  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.3 76.9  
111 41.5 32.9 49.3



#14  
1,2-Dichlorobenzene  
Concen: 41.905 ng  
RT: 8.204 min Scan# 870  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:146 Resp: 1199418  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.1 76.7  
111 43.5 34.7 52.1

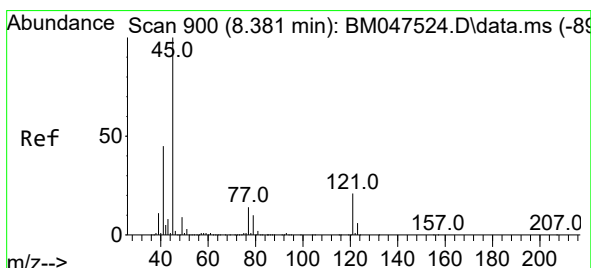
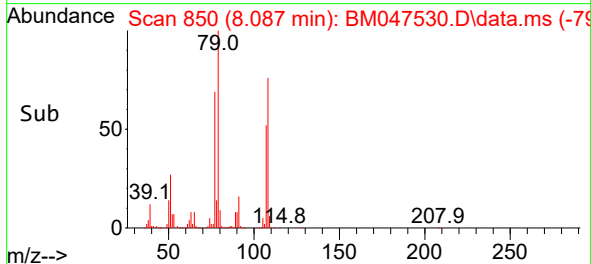
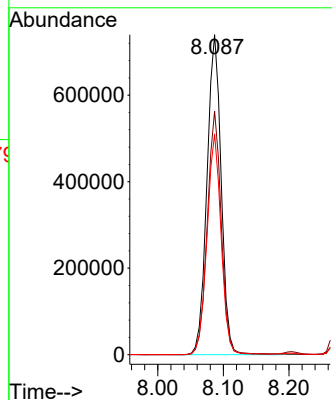
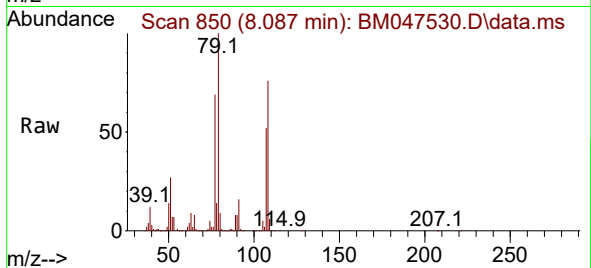




#15  
Benzyl Alcohol  
Concen: 49.620 ng  
RT: 8.087 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

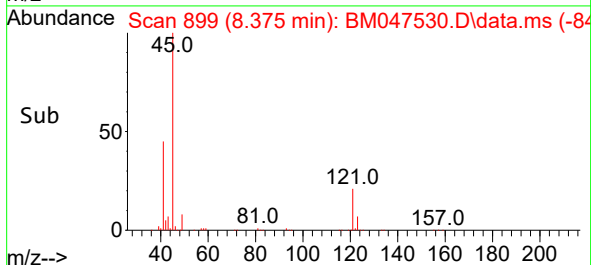
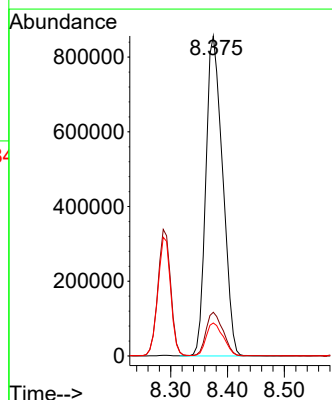
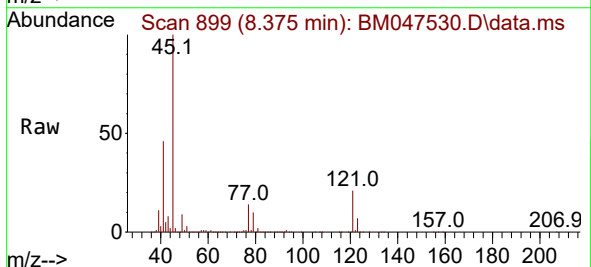
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

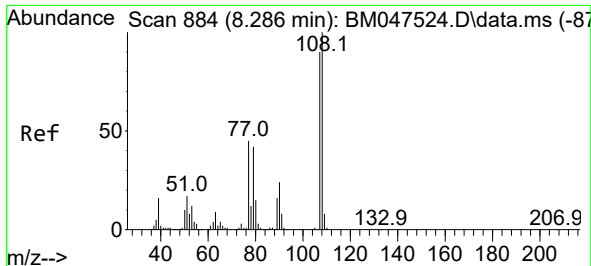
Tgt Ion: 79 Resp: 1120124  
Ion Ratio Lower Upper  
79 100  
108 76.2 60.6 91.0  
77 69.0 55.0 82.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.559 ng  
RT: 8.375 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 45 Resp: 1754572  
Ion Ratio Lower Upper  
45 100  
77 13.6 0.0 33.7  
79 10.3 0.0 30.3



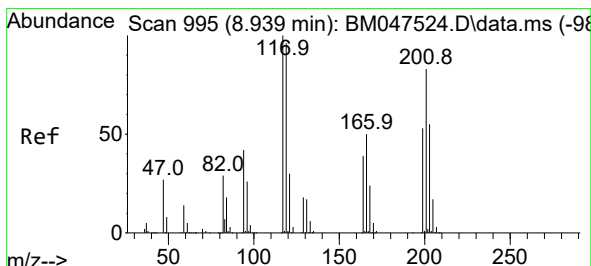
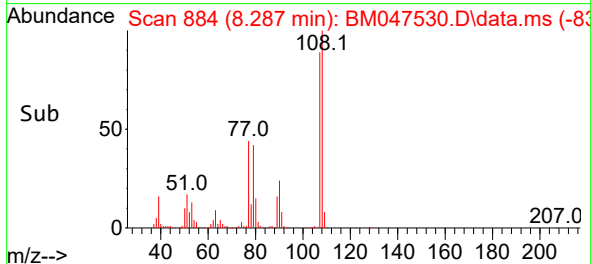
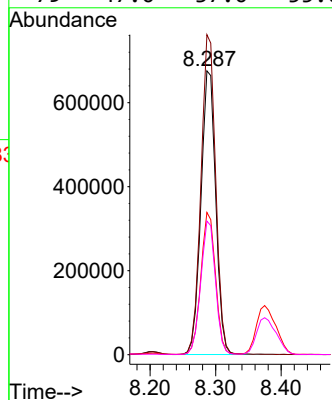
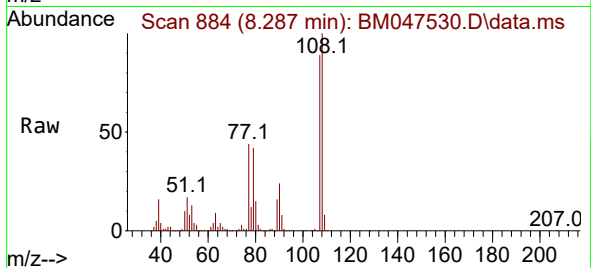


#17  
2-Methylphenol  
Concen: 49.772 ng  
RT: 8.287 min Scan# 884  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion:107 Resp: 1061011

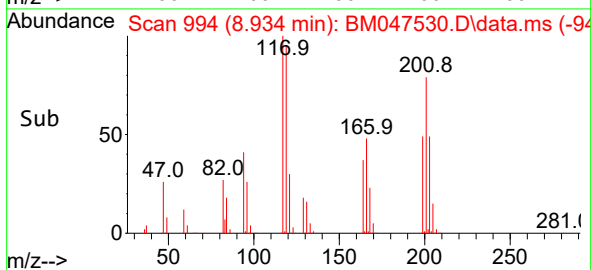
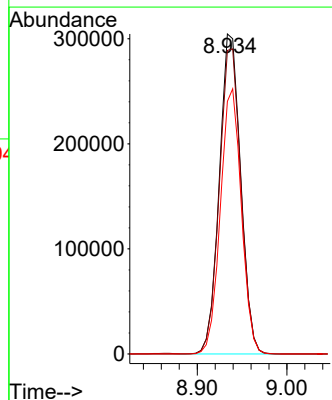
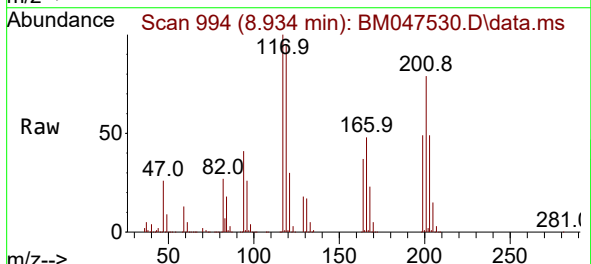
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 112.7 | 88.9  | 133.3 |
| 77  | 50.1  | 39.8  | 59.8  |
| 79  | 47.0  | 37.0  | 55.6  |

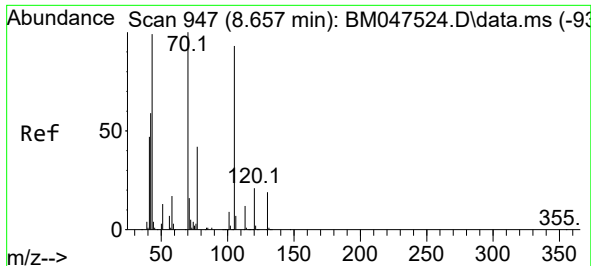


#18  
Hexachloroethane  
Concen: 43.314 ng  
RT: 8.934 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:117 Resp: 503235

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.9  | 77.0  | 115.4 |
| 201 | 79.0  | 66.8  | 100.2 |



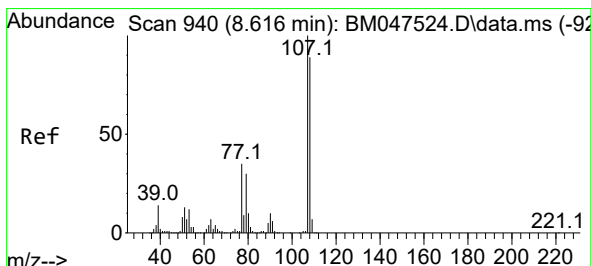
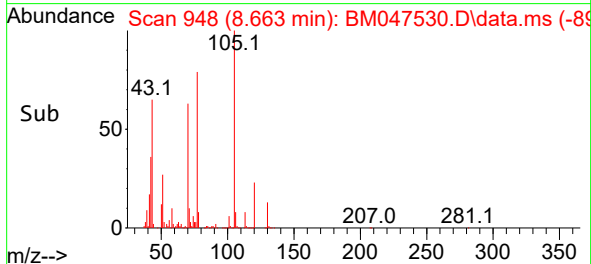
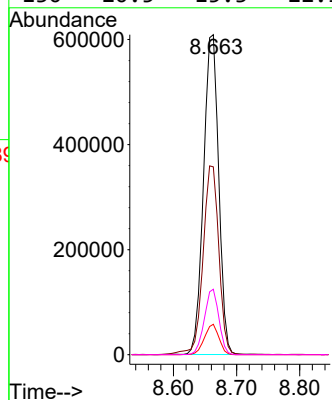
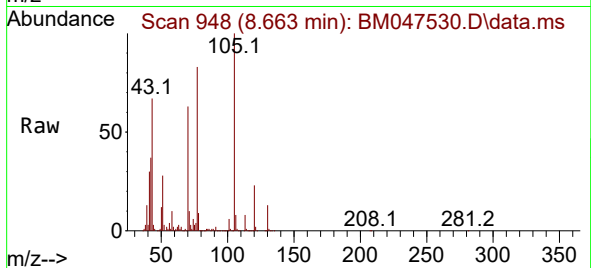


#19  
n-Nitroso-di-n-propylamine  
Concen: 45.154 ng  
RT: 8.663 min Scan# 947  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion: 70 Resp: 1014583

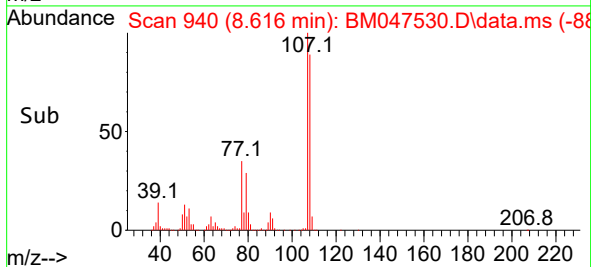
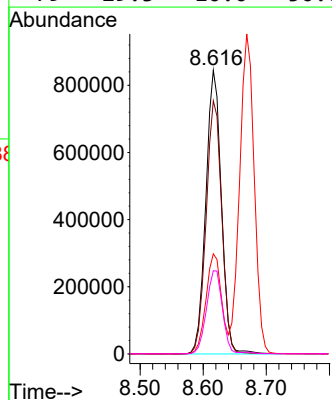
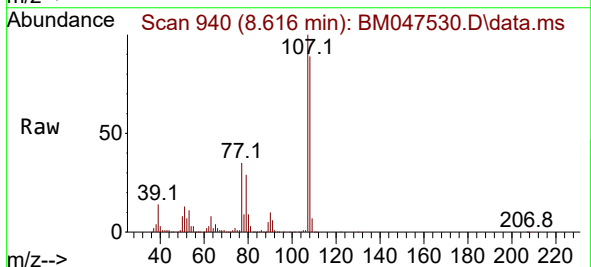
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 58.7  | 48.2  | 72.2  |
| 101 | 9.5   | 7.0   | 10.4  |
| 130 | 20.5  | 15.3  | 22.9  |

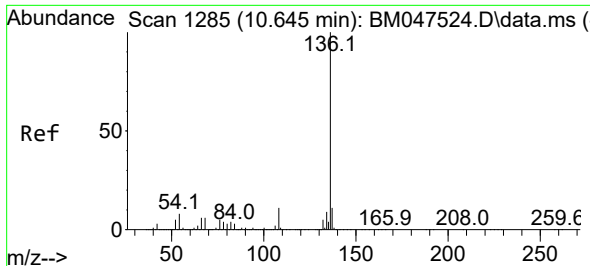


#20  
3+4-Methylphenols  
Concen: 48.642 ng  
RT: 8.616 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 107 Resp: 1446848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 89.3  | 68.9  | 108.9 |
| 77  | 35.3  | 15.5  | 55.5  |
| 79  | 29.3  | 10.0  | 50.0  |

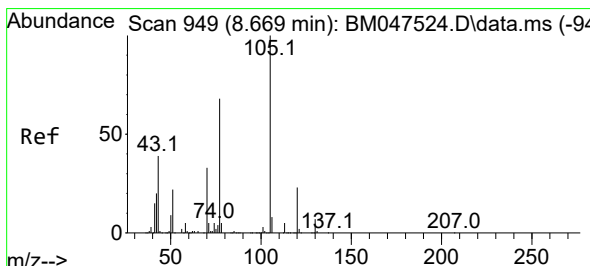
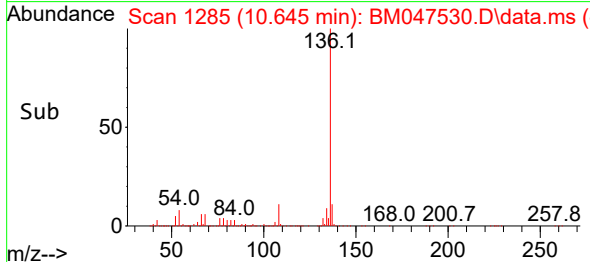
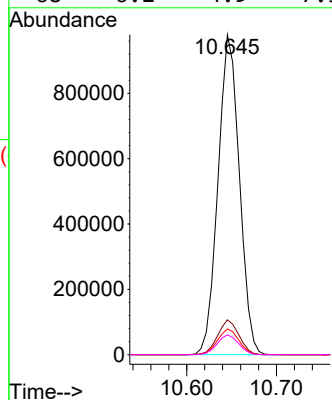
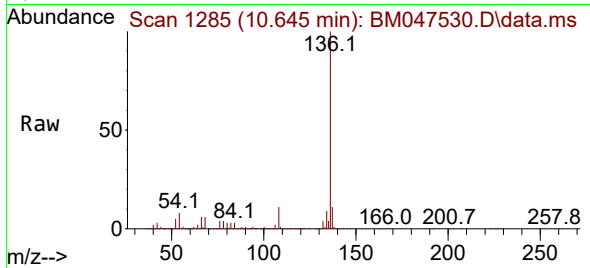




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.645 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

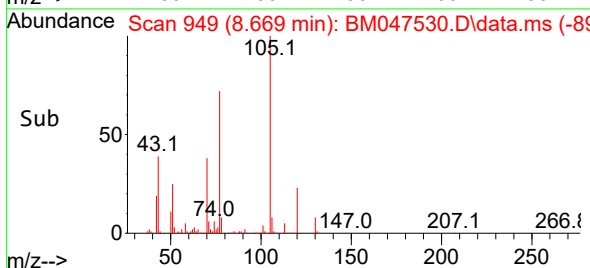
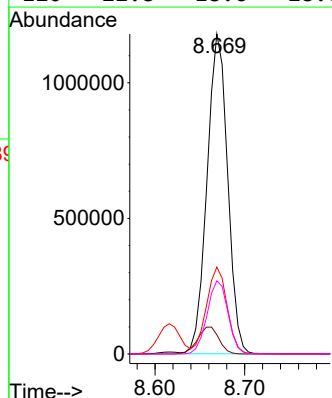
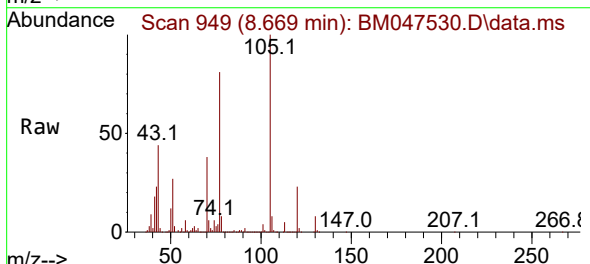
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

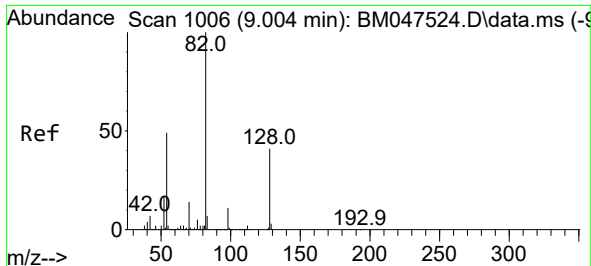
Tgt Ion:136 Resp: 1618389  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.6  
54 8.0 6.6 9.8  
68 6.2 4.9 7.3



#22  
Acetophenone  
Concen: 44.154 ng  
RT: 8.669 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:105 Resp: 1878673  
Ion Ratio Lower Upper  
105 100  
71 6.0 4.3 6.5  
51 27.1 21.5 32.3  
120 22.8 18.6 28.0

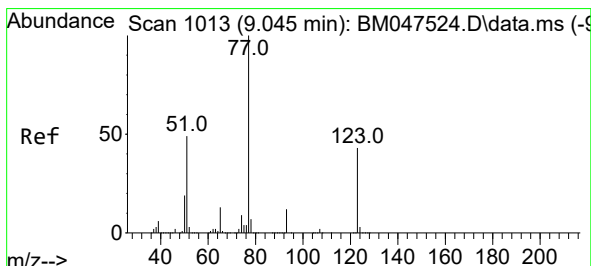
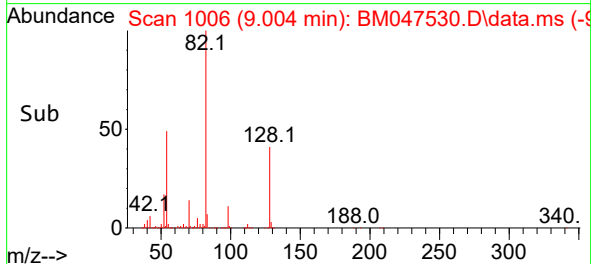
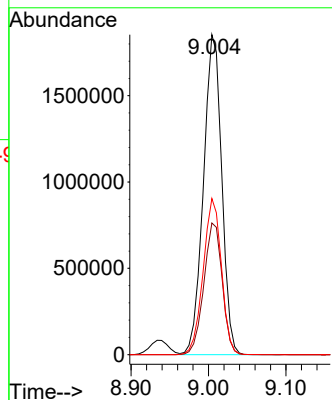
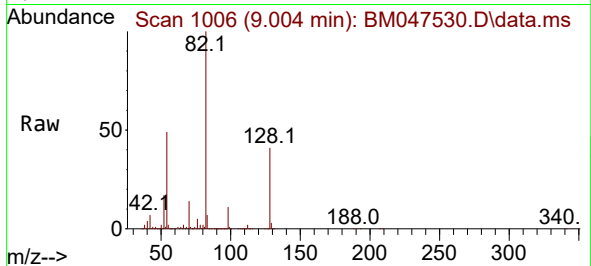




#23  
Nitrobenzene-d5  
Concen: 94.066 ng  
RT: 9.004 min Scan# 1006  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

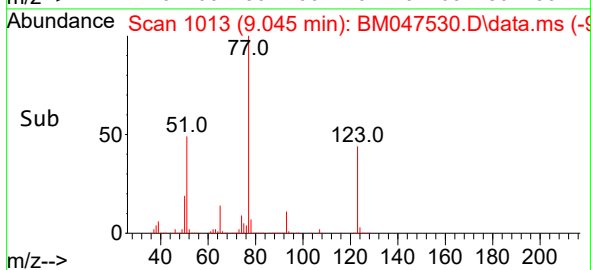
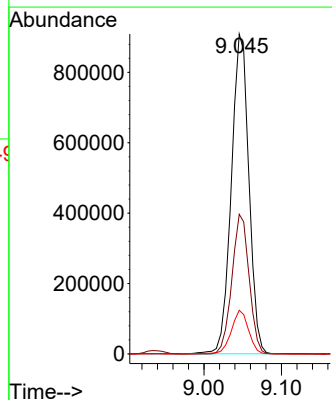
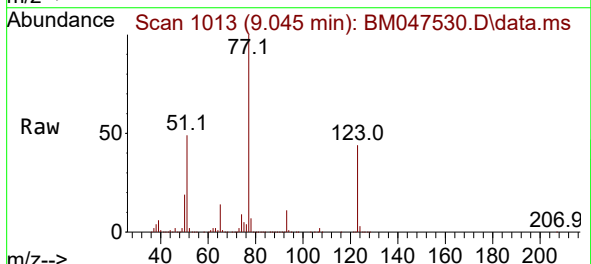
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion: 82 Resp: 3041912  
Ion Ratio Lower Upper  
82 100  
128 41.2 33.0 49.4  
54 48.8 39.3 58.9

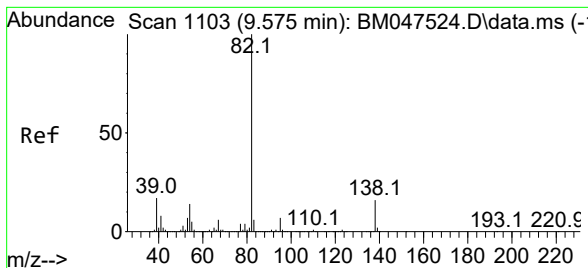


#24  
Nitrobenzene  
Concen: 43.065 ng  
RT: 9.045 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 77 Resp: 1431038  
Ion Ratio Lower Upper  
77 100  
123 43.6 34.5 51.7  
65 13.7 10.7 16.1







#25

Isophorone

Concen: 45.138 ng

RT: 9.581 min Scan# 1104

Delta R.T. 0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

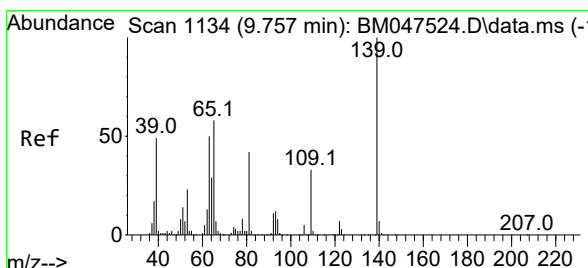
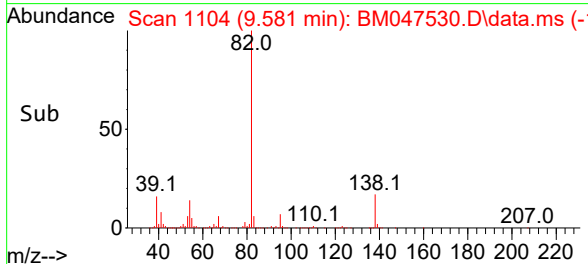
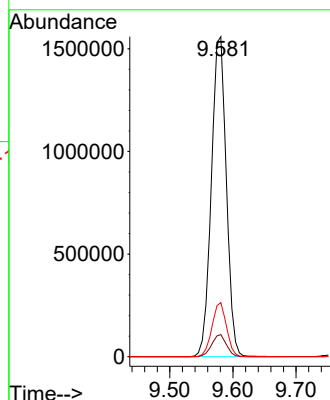
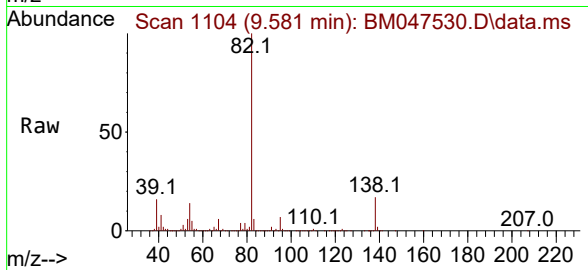
Tgt Ion: 82 Resp: 2566145

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.0

138 16.9 12.9 19.3



#26

2-Nitrophenol

Concen: 49.692 ng

RT: 9.757 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

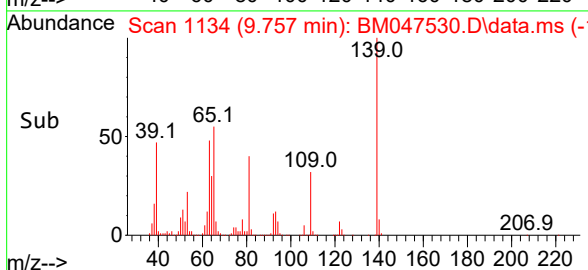
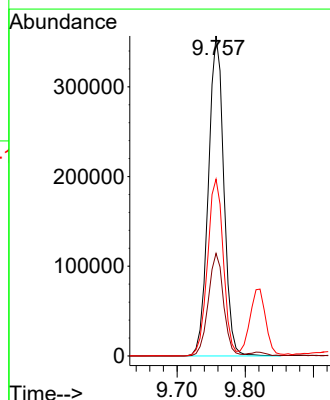
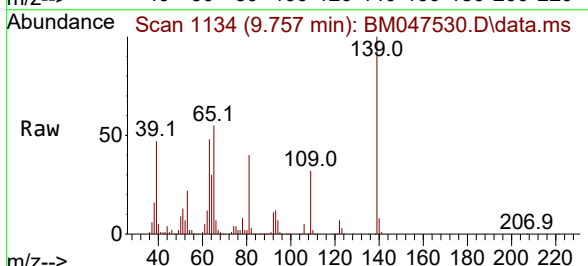
Tgt Ion: 139 Resp: 562682

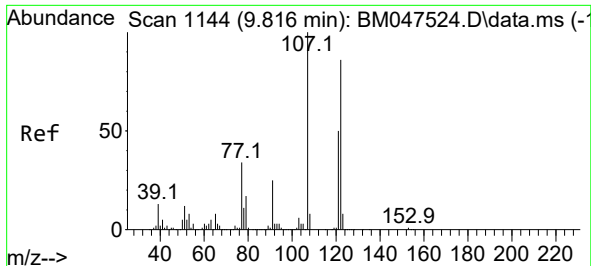
Ion Ratio Lower Upper

139 100

109 32.1 26.0 39.0

65 55.2 46.2 69.4

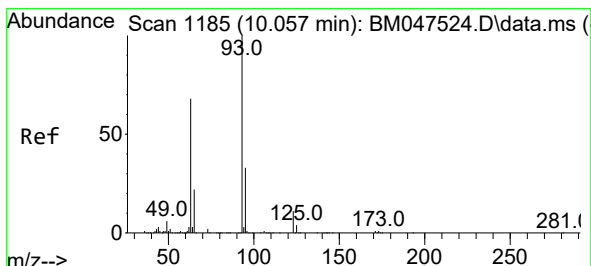
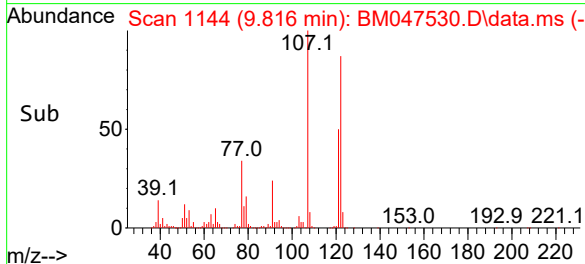
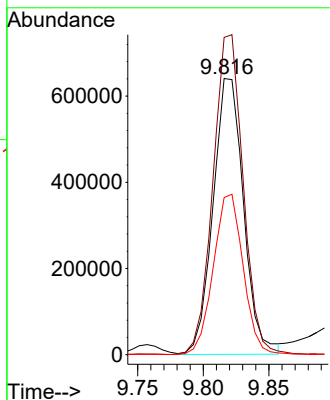
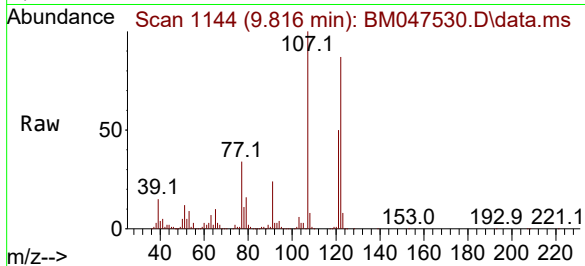




#27  
2,4-Dimethylphenol  
Concen: 60.392 ng  
RT: 9.816 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

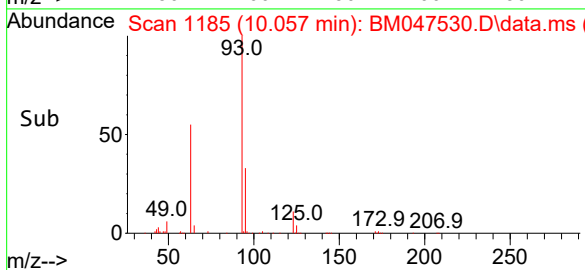
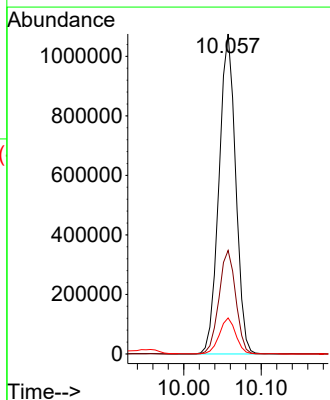
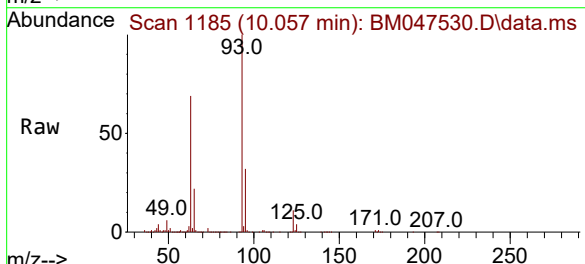
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

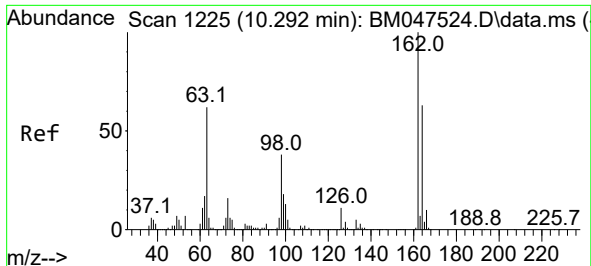
Tgt Ion:122 Resp: 1036637  
Ion Ratio Lower Upper  
122 100  
107 114.9 92.4 138.6  
121 56.9 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.193 ng  
RT: 10.057 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 93 Resp: 1613876  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.2 39.2  
123 11.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 49.789 ng

RT: 10.292 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

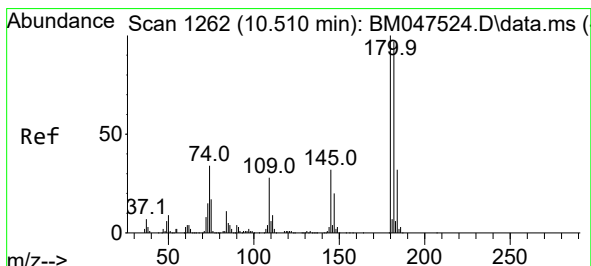
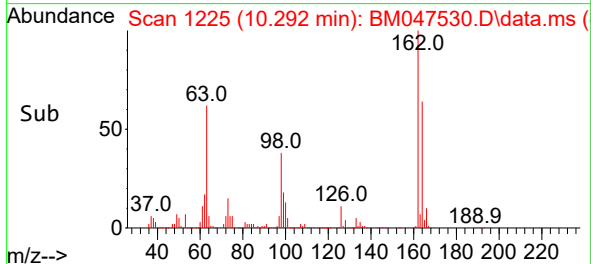
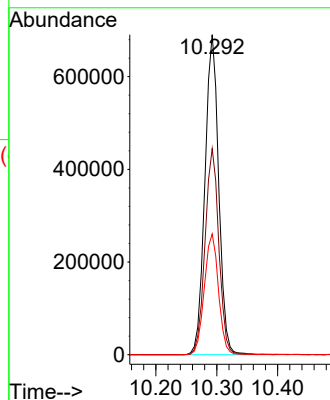
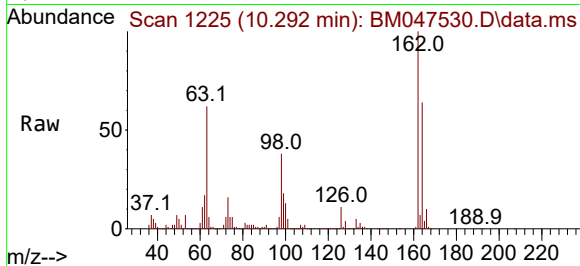
Tgt Ion:162 Resp: 1085780

Ion Ratio Lower Upper

162 100

164 64.4 43.5 83.5

98 37.8 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 41.448 ng

RT: 10.510 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

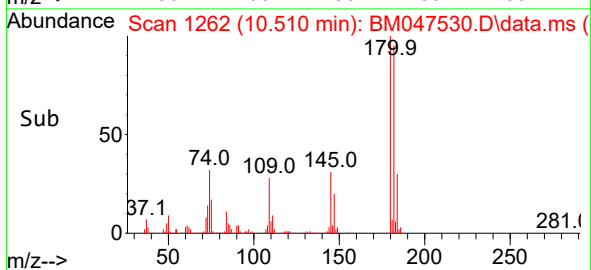
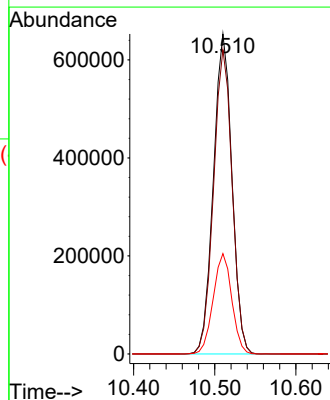
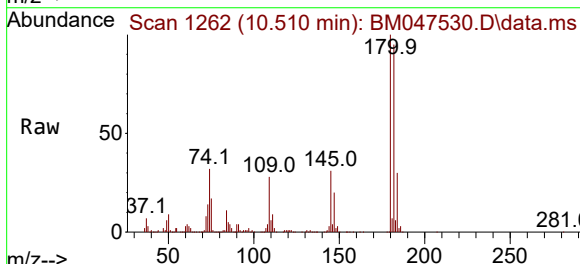
Tgt Ion:180 Resp: 1035371

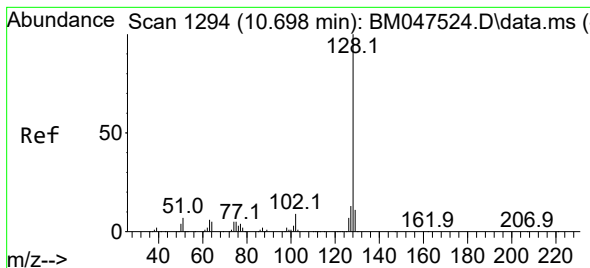
Ion Ratio Lower Upper

180 100

182 95.1 77.6 116.4

145 31.3 25.4 38.0

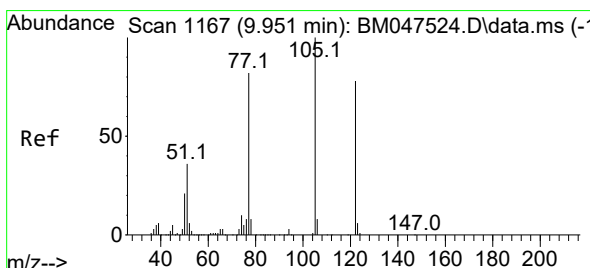
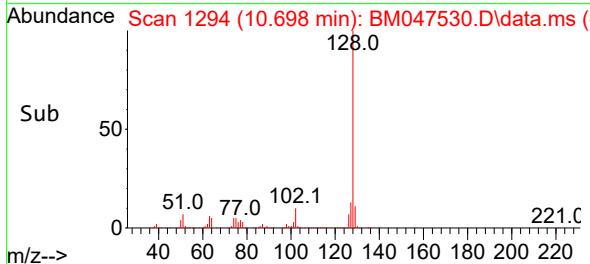
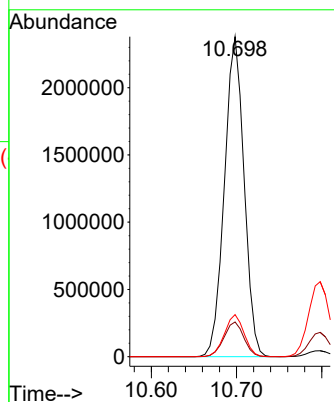
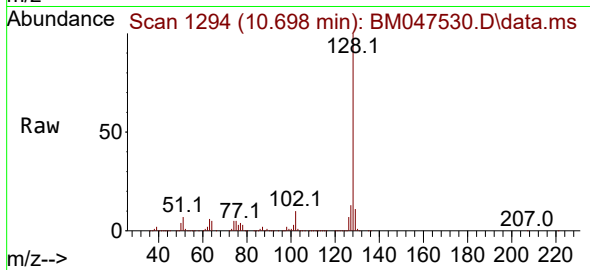




#31  
Naphthalene  
Concen: 43.663 ng  
RT: 10.698 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

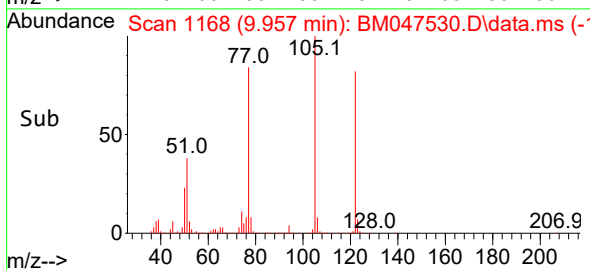
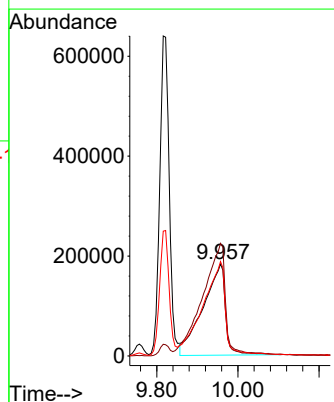
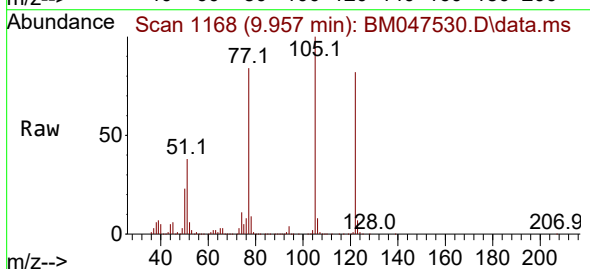
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

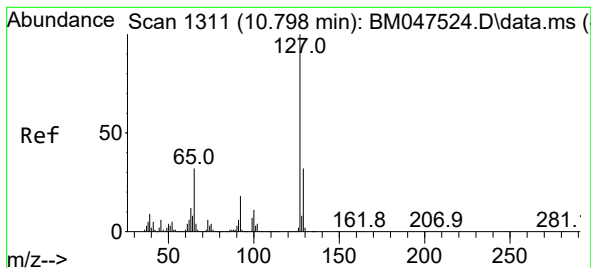
Tgt Ion:128 Resp: 3816406  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 42.479 ng  
RT: 9.957 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:122 Resp: 703613  
Ion Ratio Lower Upper  
122 100  
105 122.5 104.7 144.7  
77 102.6 83.4 123.4

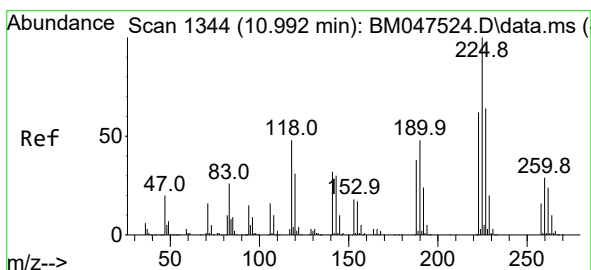
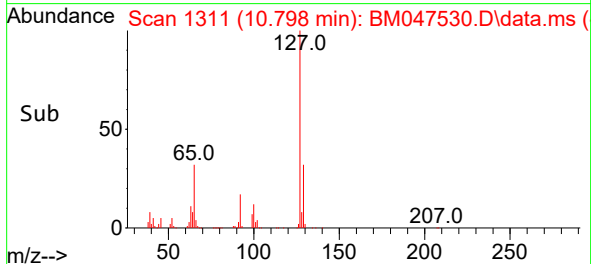
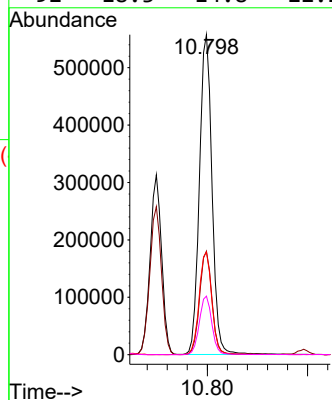
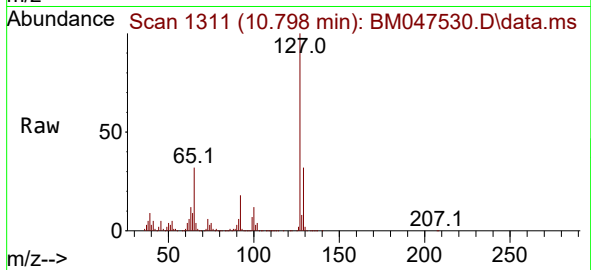




#33  
4-Chloroaniline  
Concen: 30.699 ng  
RT: 10.798 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

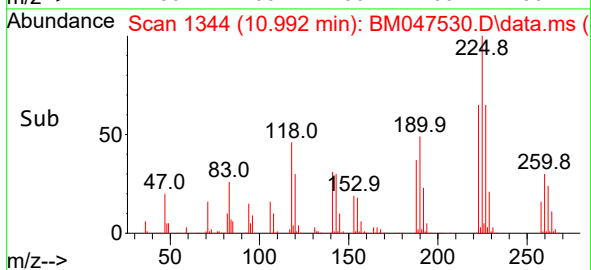
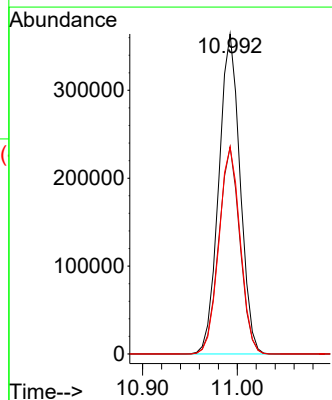
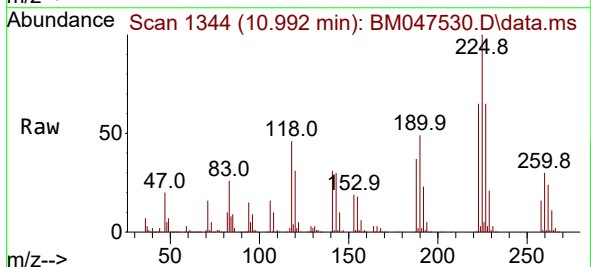
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

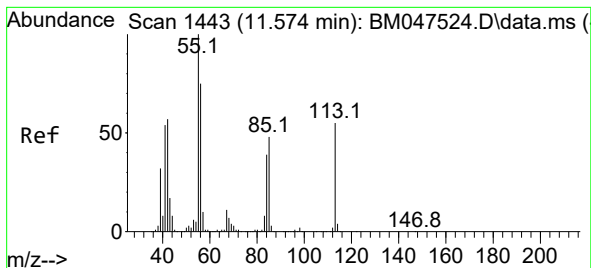
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 970137 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 25.4  | 38.0   |
| 65       | 32.1  | 25.5  | 38.3   |
| 92       | 18.3  | 14.8  | 22.2   |



#34  
Hexachlorobutadiene  
Concen: 41.033 ng  
RT: 10.992 min Scan# 1344  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

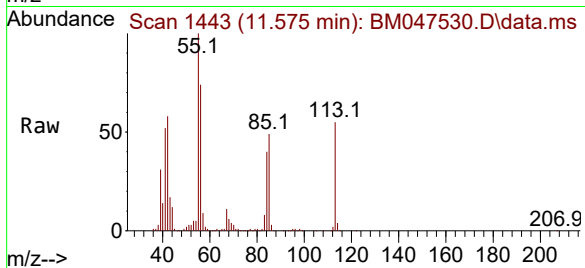
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 567737 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.7  | 49.8  | 74.6   |
| 227      | 64.7  | 51.0  | 76.4   |



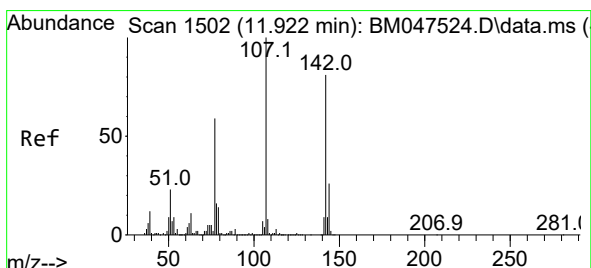
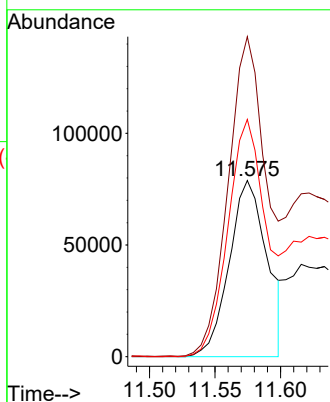
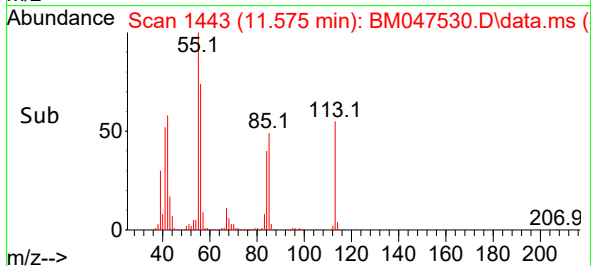


#35  
Caprolactam  
Concen: 22.071 ng  
RT: 11.575 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

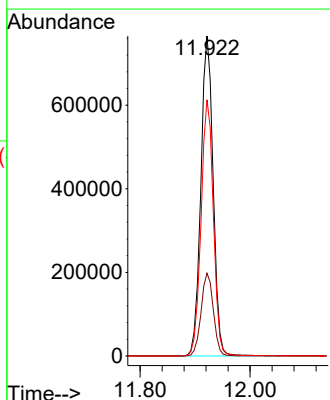
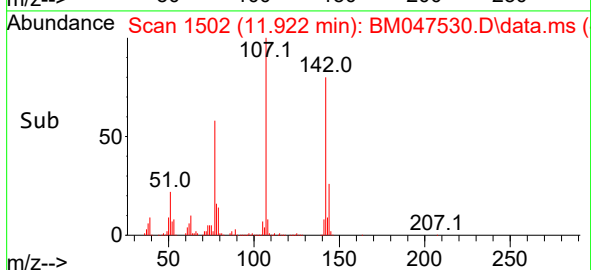
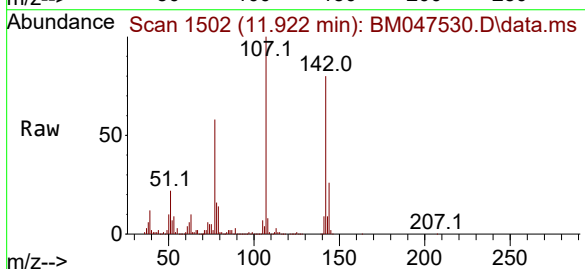


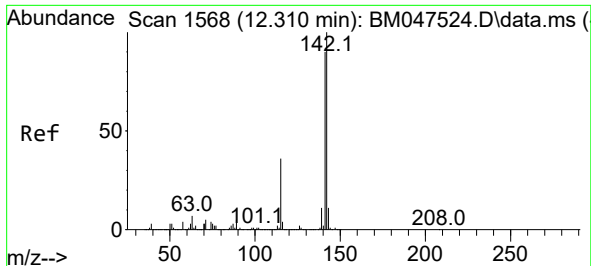
Tgt Ion:113 Resp: 158535  
Ion Ratio Lower Upper  
113 100  
55 181.6 162.5 202.5  
56 134.7 116.5 156.5



#36  
4-Chloro-3-methylphenol  
Concen: 47.579 ng  
RT: 11.922 min Scan# 1502  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:107 Resp: 1189083  
Ion Ratio Lower Upper  
107 100  
144 25.8 20.5 30.7  
142 80.0 65.0 97.4





#37

2-Methylnaphthalene

Concen: 45.998 ng

RT: 12.310 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

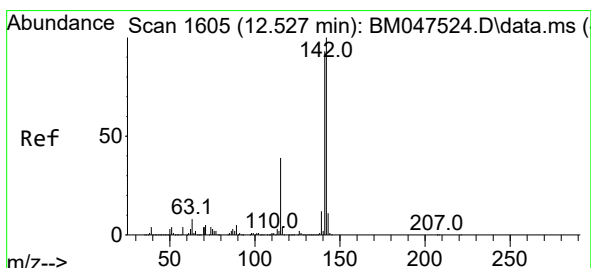
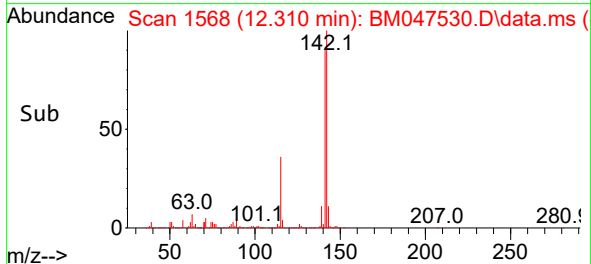
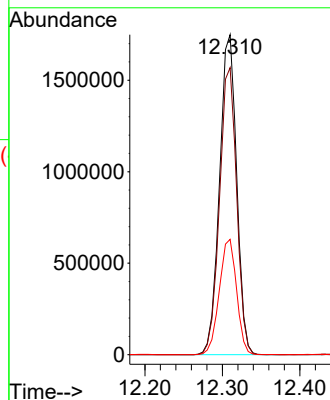
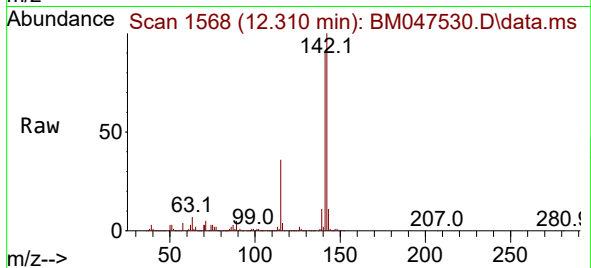
Tgt Ion:142 Resp: 2675858

Ion Ratio Lower Upper

142 100

141 89.7 72.2 108.4

115 36.1 29.1 43.7



#38

1-Methylnaphthalene

Concen: 43.156 ng

RT: 12.528 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

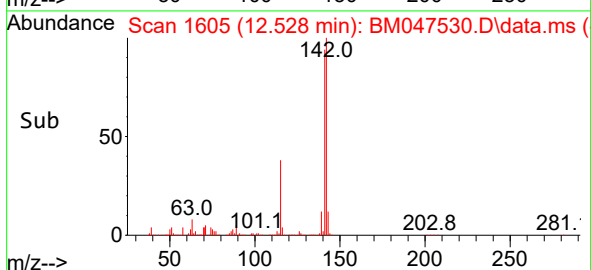
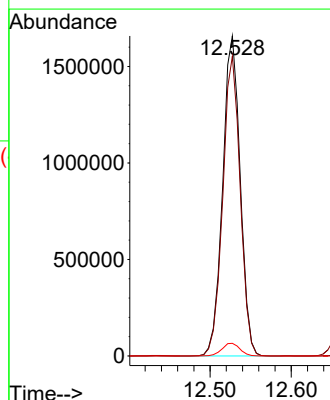
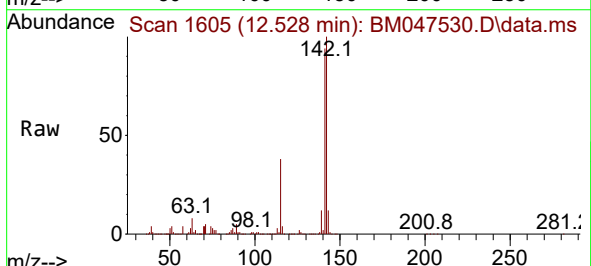
Tgt Ion:142 Resp: 2494900

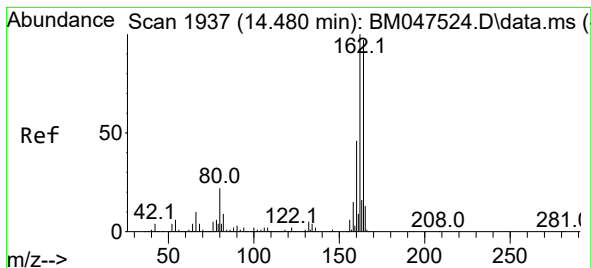
Ion Ratio Lower Upper

142 100

141 93.7 74.7 112.1

116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

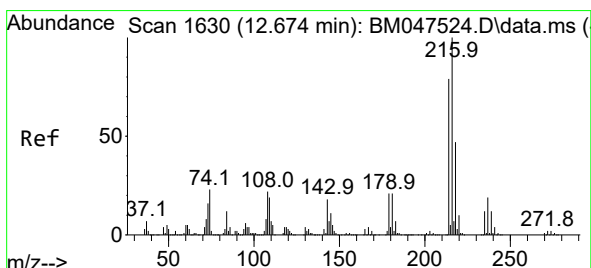
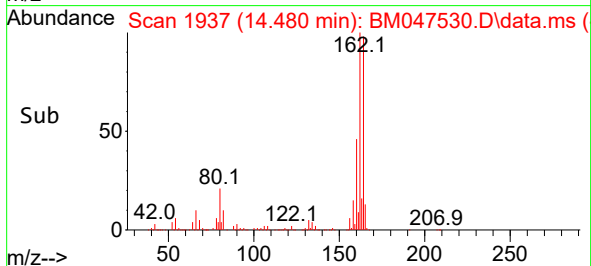
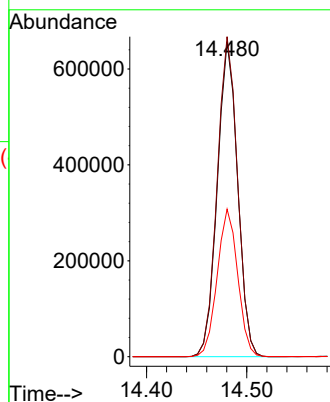
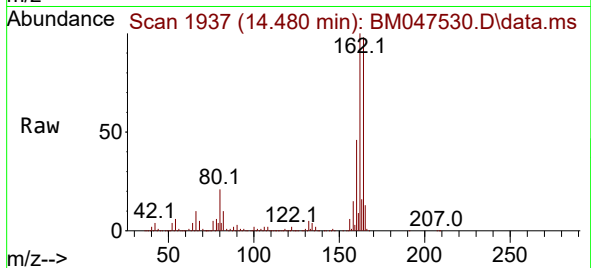
Tgt Ion:164 Resp: 920883

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

160 46.9 38.2 57.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.283 ng

RT: 12.675 min Scan# 1630

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Tgt Ion:216 Resp: 1203149

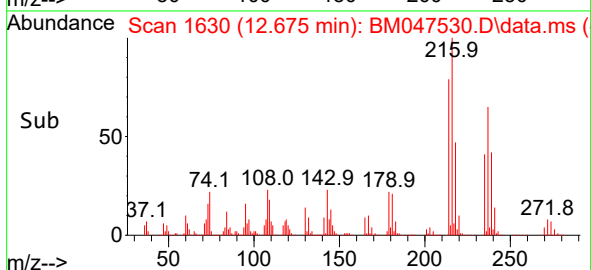
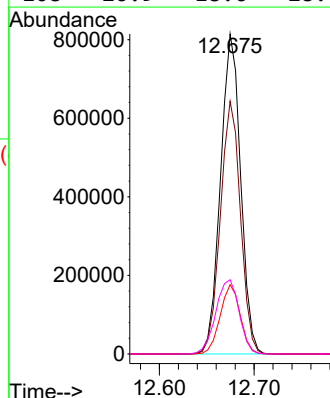
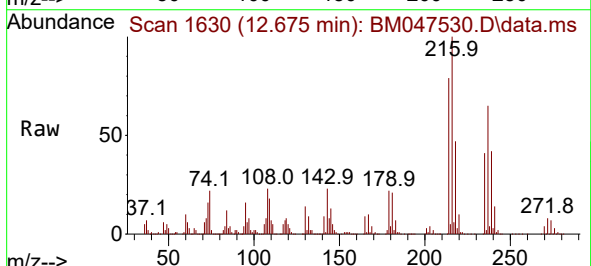
Ion Ratio Lower Upper

216 100

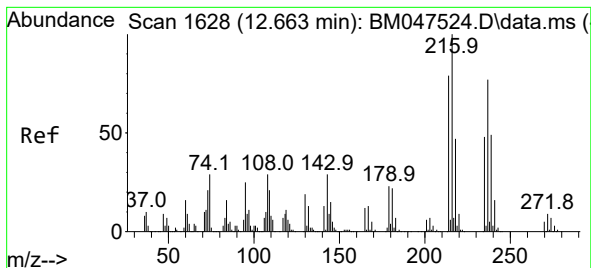
214 78.8 63.0 94.6

179 21.7 17.5 26.3

108 26.9 18.6 28.0







#41

Hexachlorocyclopentadiene

Concen: 178.307 ng

RT: 12.663 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

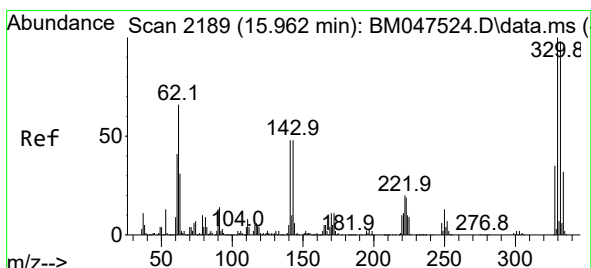
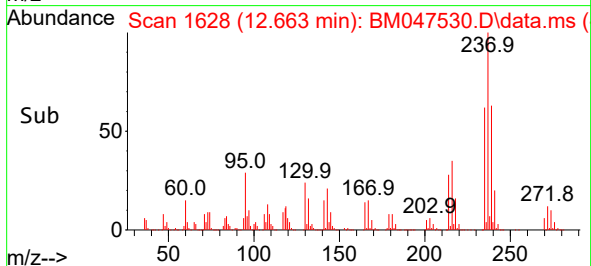
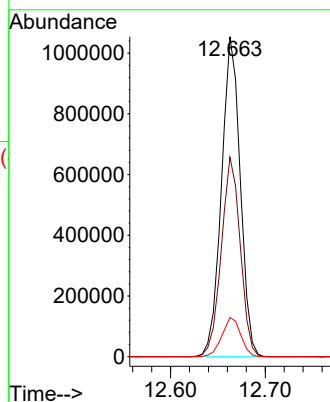
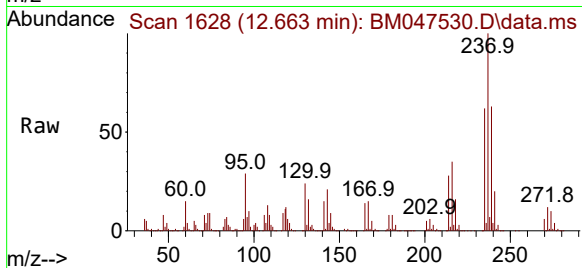
Tgt Ion:237 Resp: 1452509

Ion Ratio Lower Upper

237 100

235 62.3 42.0 82.0

272 12.2 0.0 31.5



#42

2,4,6-Tribromophenol

Concen: 157.443 ng

RT: 15.963 min Scan# 2189

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

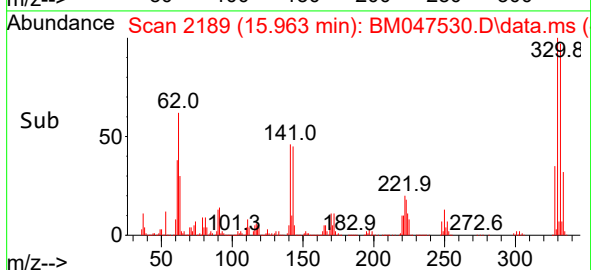
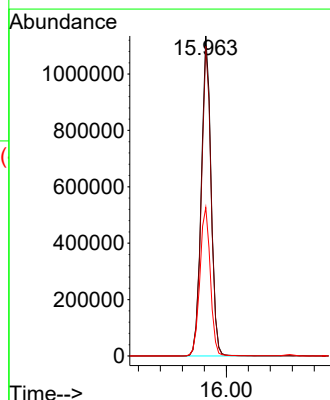
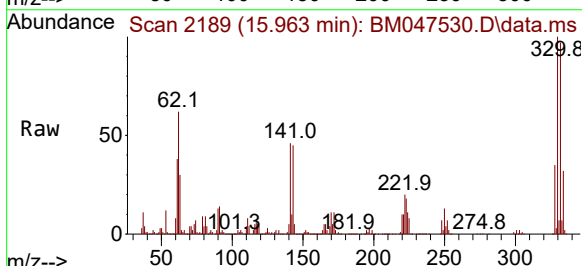
Tgt Ion:330 Resp: 1401425

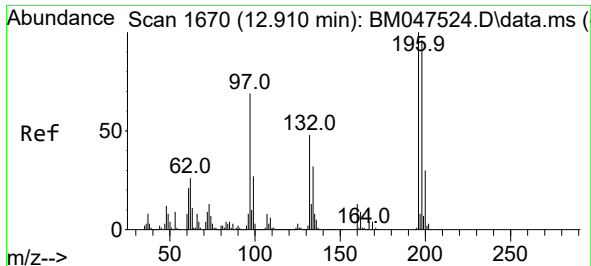
Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 49.8 42.2 63.2

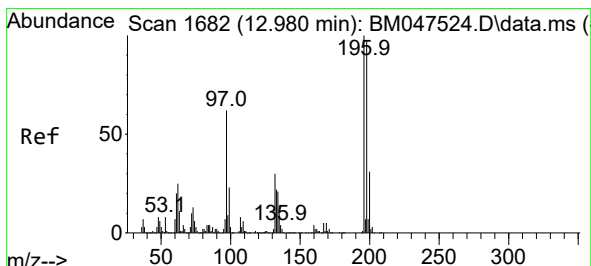
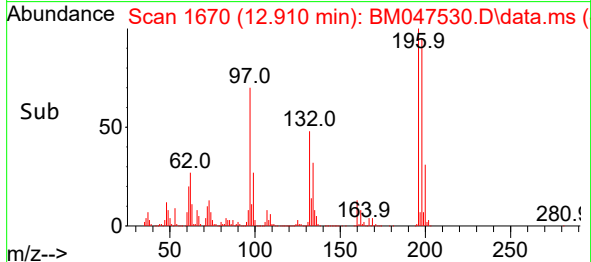
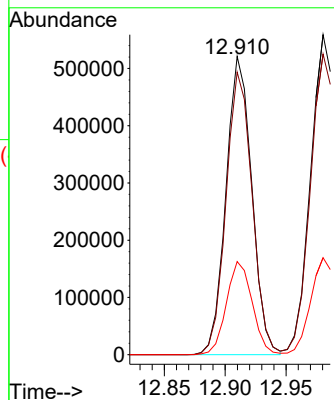
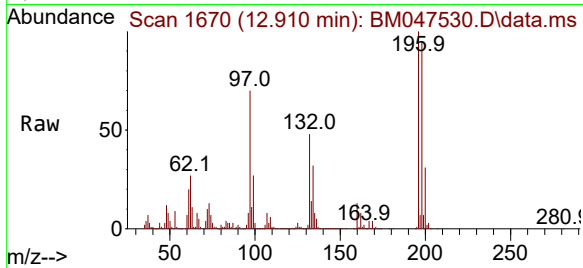




#43  
2,4,6-Trichlorophenol  
Concen: 49.285 ng  
RT: 12.910 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

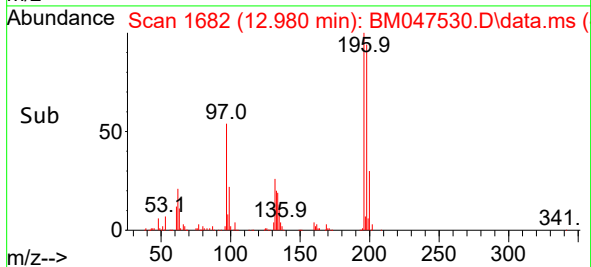
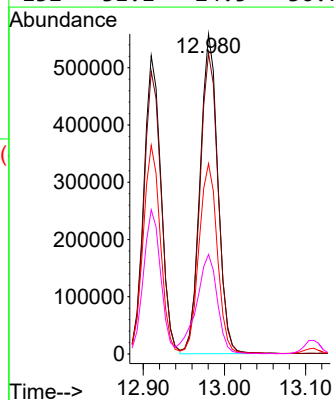
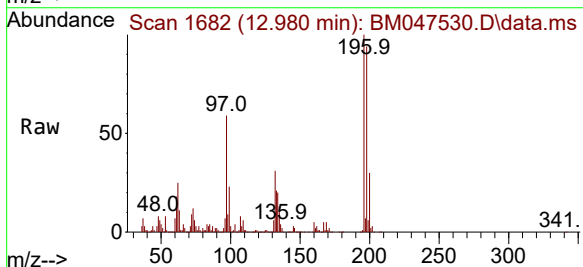
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

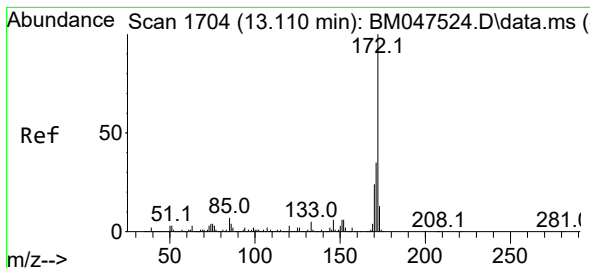
Tgt Ion:196 Resp: 769411  
Ion Ratio Lower Upper  
196 100  
198 94.8 76.9 115.3  
200 31.2 24.3 36.5



#44  
2,4,5-Trichlorophenol  
Concen: 48.458 ng  
RT: 12.980 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:196 Resp: 854467  
Ion Ratio Lower Upper  
196 100  
198 93.9 77.4 116.2  
97 59.4 49.8 74.8  
132 31.1 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 100.501 ng

RT: 13.110 min Scan# 1704

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

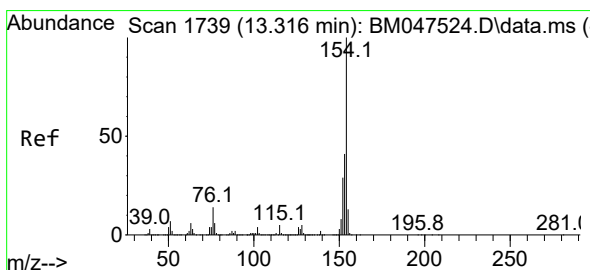
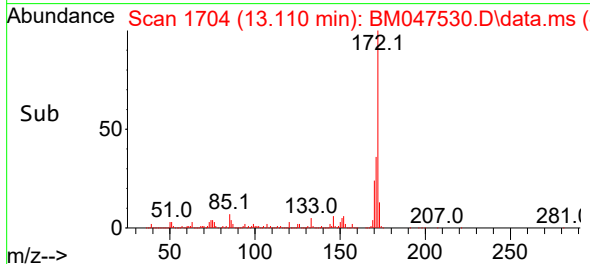
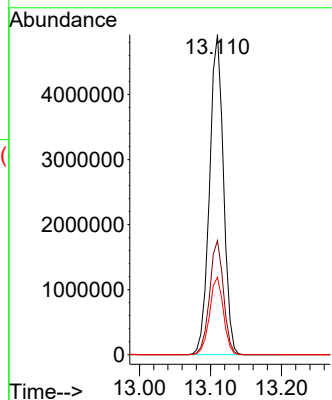
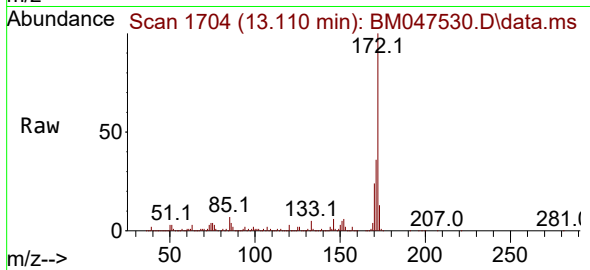
Tgt Ion:172 Resp: 6718540

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 24.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 46.356 ng

RT: 13.316 min Scan# 1739

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

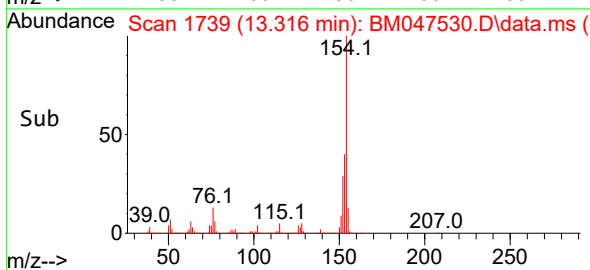
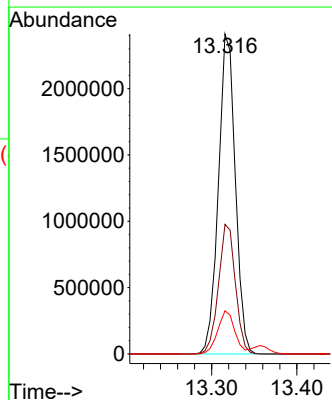
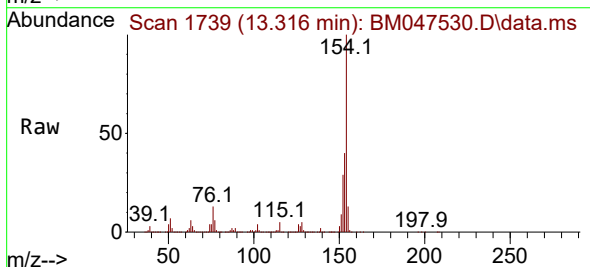
Tgt Ion:154 Resp: 3321408

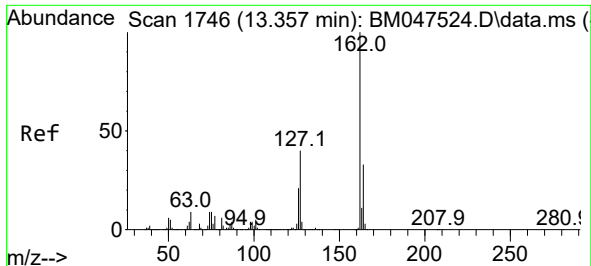
Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

76 13.5 0.0 33.9

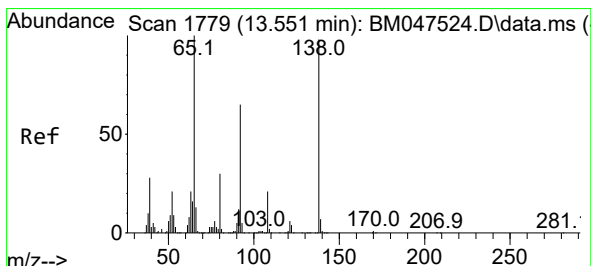
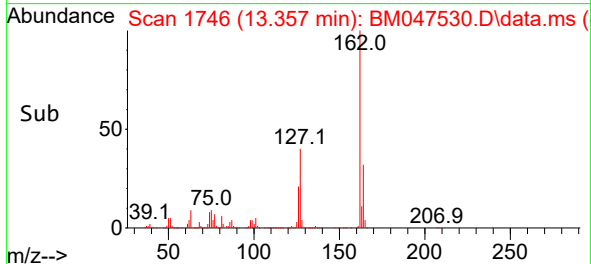
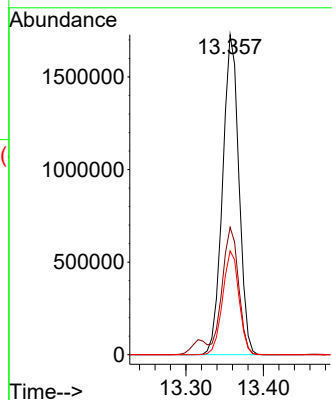
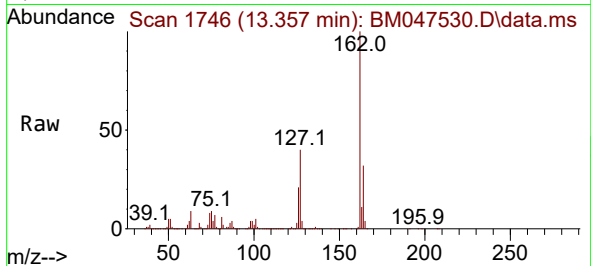




#47  
2-Chloronaphthalene  
Concen: 45.575 ng  
RT: 13.357 min Scan# 1746  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

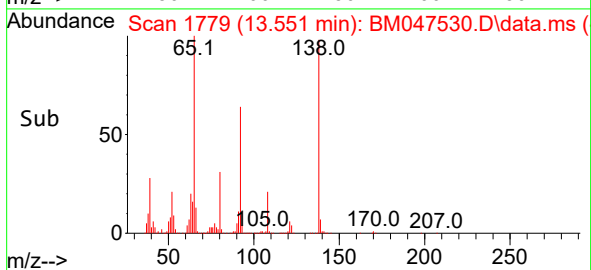
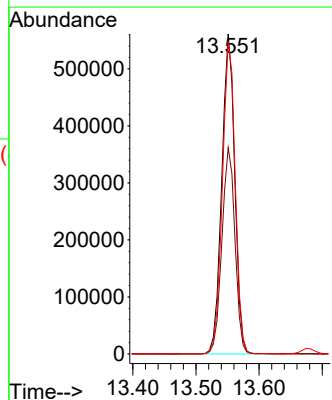
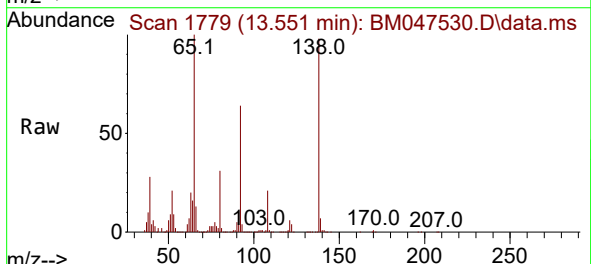
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

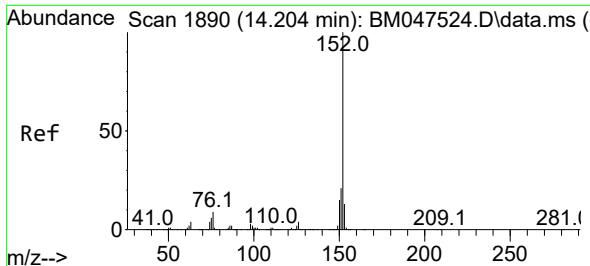
Tgt Ion:162 Resp: 2535537  
Ion Ratio Lower Upper  
162 100  
127 39.8 32.2 48.4  
164 32.4 26.3 39.5



#48  
2-Nitroaniline  
Concen: 48.929 ng  
RT: 13.551 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion: 65 Resp: 799548  
Ion Ratio Lower Upper  
65 100  
92 64.4 51.9 77.9  
138 97.7 78.5 117.7

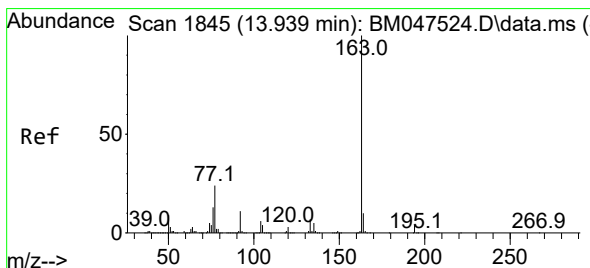
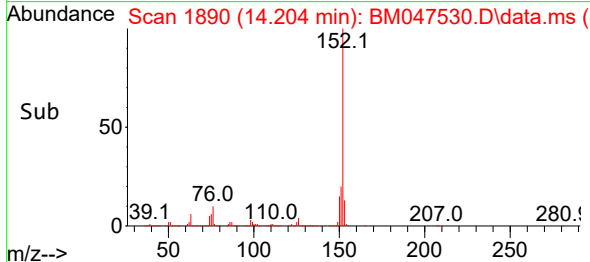
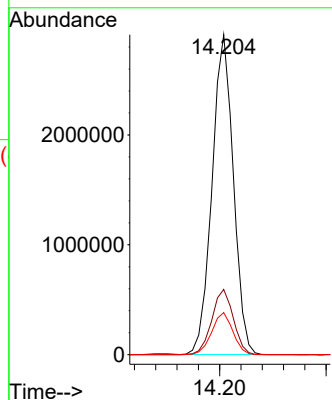
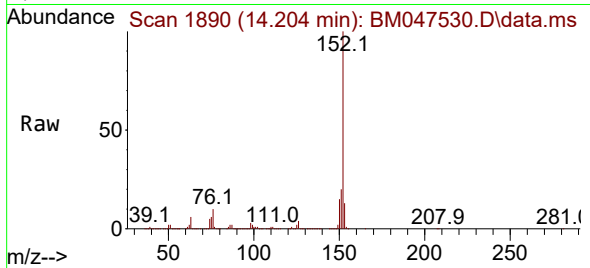




#49  
Acenaphthylene  
Concen: 50.280 ng  
RT: 14.204 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

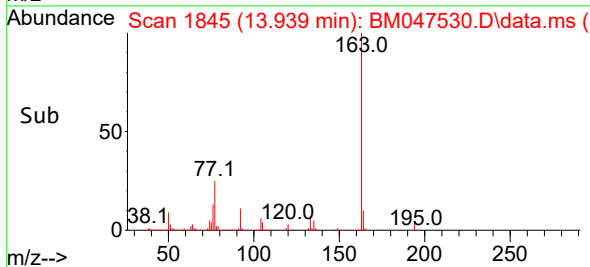
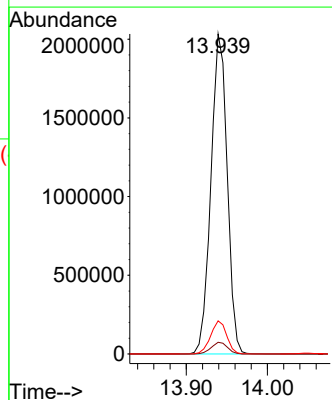
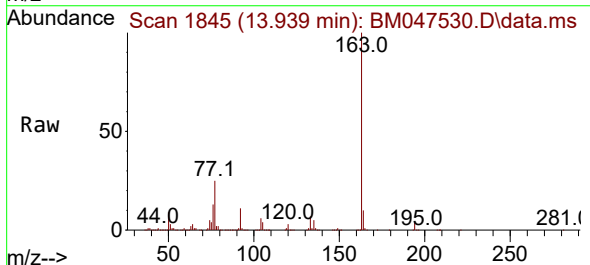
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

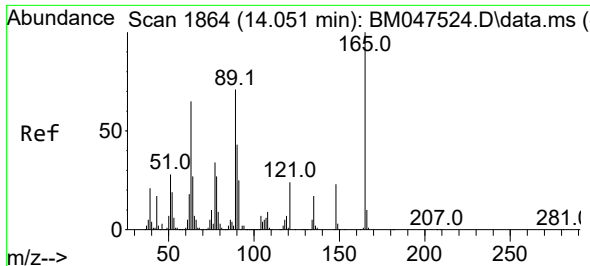
Tgt Ion:152 Resp: 4036704  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.5 24.7  
153 13.2 10.4 15.6



#50  
Dimethylphthalate  
Concen: 45.052 ng  
RT: 13.939 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:163 Resp: 2827740  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.9 4.3  
164 10.3 7.9 11.9

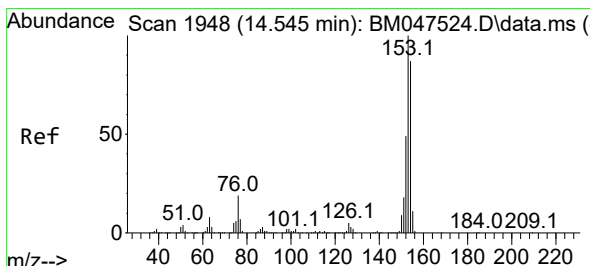
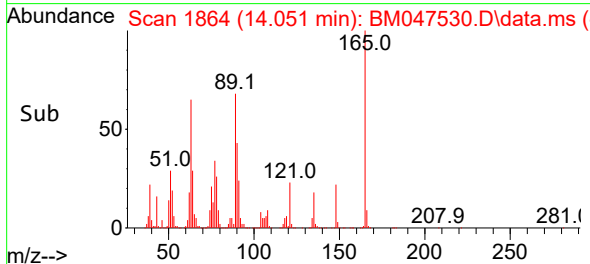
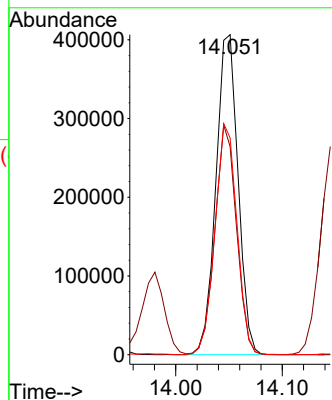
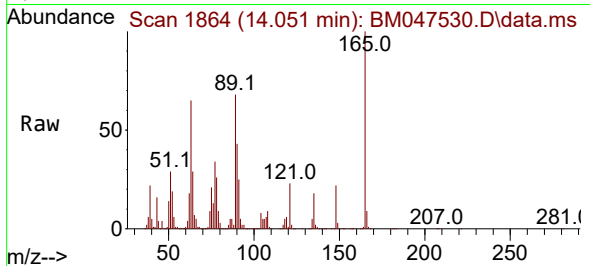




#51  
2,6-Dinitrotoluene  
Concen: 44.115 ng  
RT: 14.051 min Scan# 1864  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

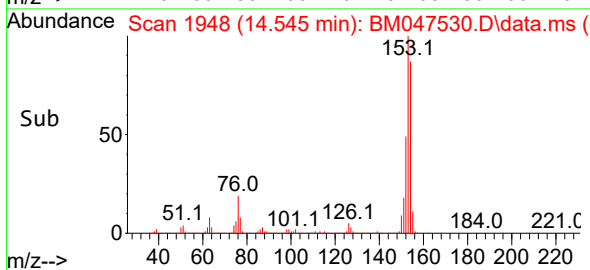
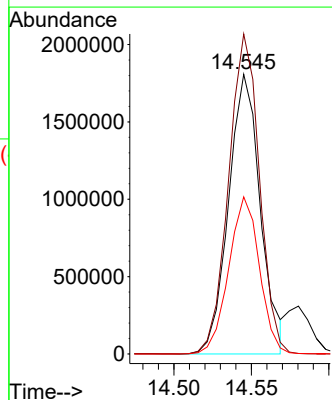
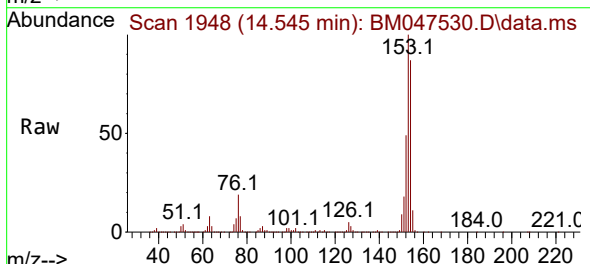
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

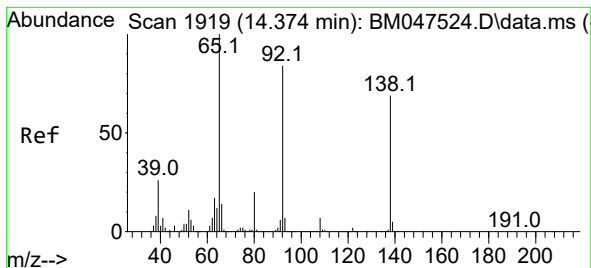
Tgt Ion:165 Resp: 584532  
Ion Ratio Lower Upper  
165 100  
63 65.0 54.2 81.2  
89 67.8 56.4 84.6



#52  
Acenaphthene  
Concen: 45.811 ng  
RT: 14.545 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:154 Resp: 2577007  
Ion Ratio Lower Upper  
154 100  
153 114.4 92.2 138.2  
152 56.2 45.4 68.0

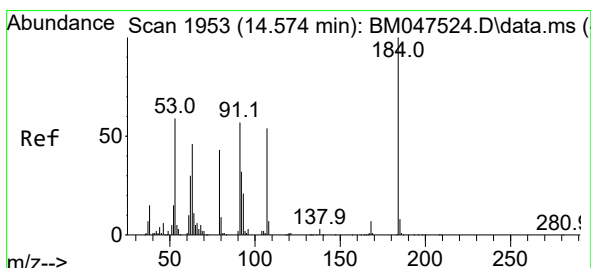
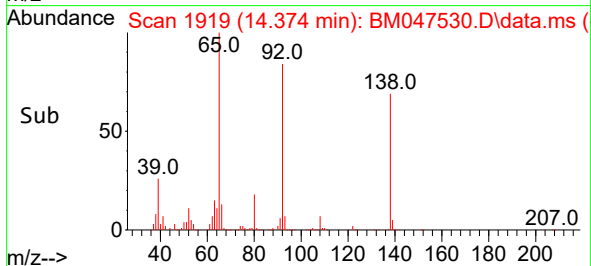
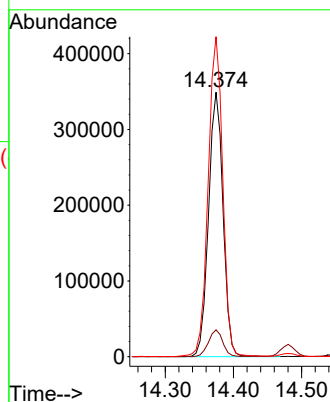
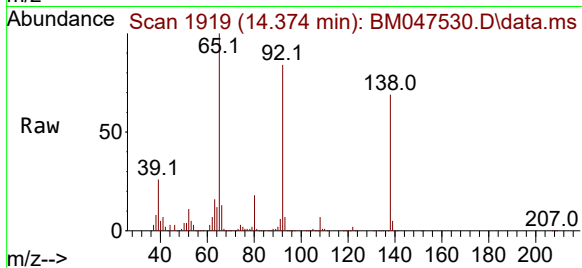




#53  
3-Nitroaniline  
Concen: 35.028 ng  
RT: 14.374 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

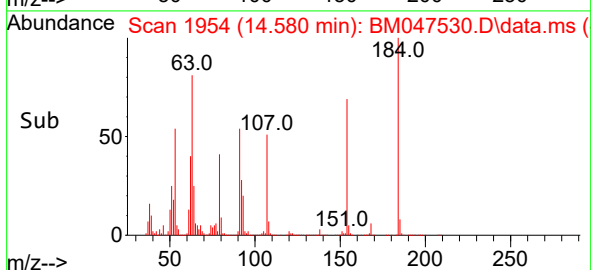
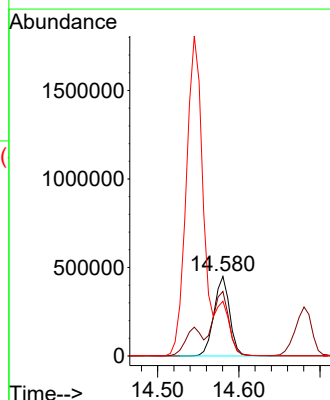
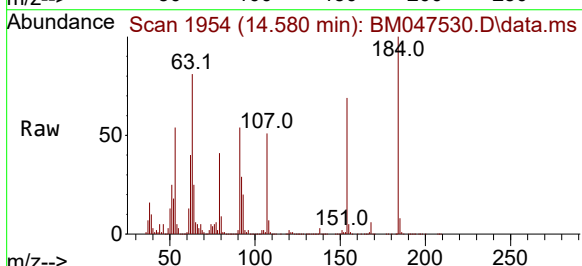
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

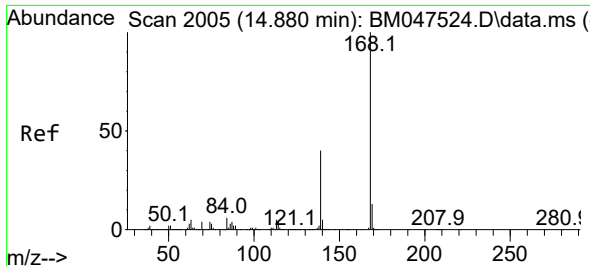
Tgt Ion:138 Resp: 515880  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.0 12.0  
92 121.0 97.4 146.0



#54  
2,4-Dinitrophenol  
Concen: 80.727 ng  
RT: 14.580 min Scan# 1954  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:184 Resp: 604430  
Ion Ratio Lower Upper  
184 100  
63 81.1 69.4 104.0  
154 68.7 60.4 90.6

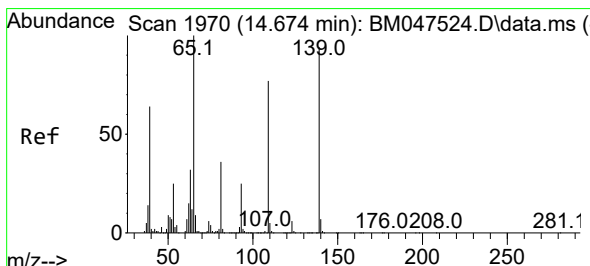
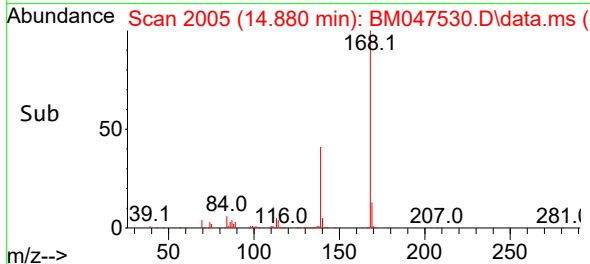
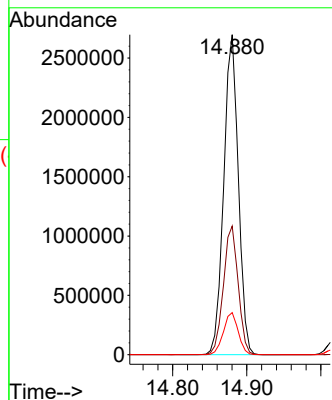
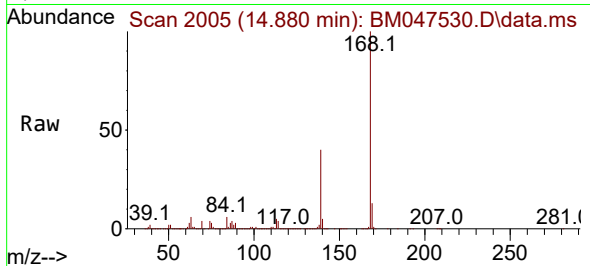




#55  
Dibenzenofuran  
Concen: 46.595 ng  
RT: 14.880 min Scan# 2005  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

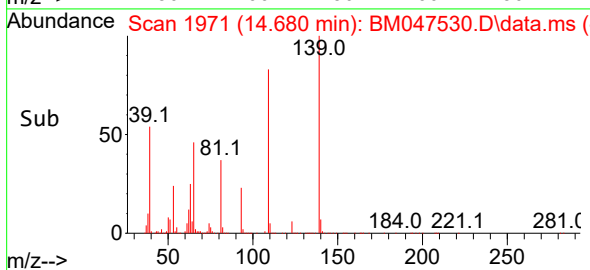
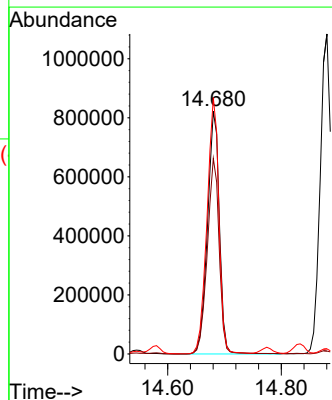
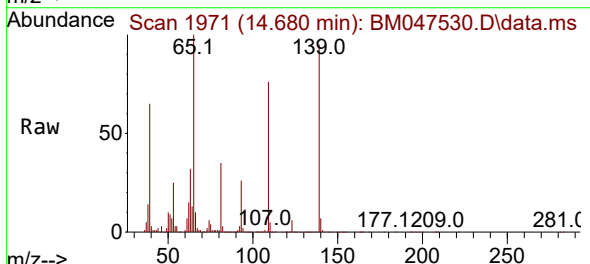
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

Tgt Ion:168 Resp: 3683272  
Ion Ratio Lower Upper  
168 100  
139 40.2 31.9 47.9  
169 13.1 10.5 15.7

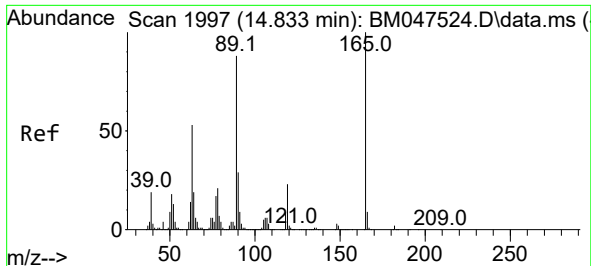


#56  
4-Nitrophenol  
Concen: 98.298 ng  
RT: 14.680 min Scan# 1971  
Delta R.T. 0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:139 Resp: 1191274  
Ion Ratio Lower Upper  
139 100  
109 80.5 62.0 102.0  
65 105.6 87.0 127.0







#57

2,4-Dinitrotoluene

Concen: 45.490 ng

RT: 14.833 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

Tgt Ion:165 Resp: 803867

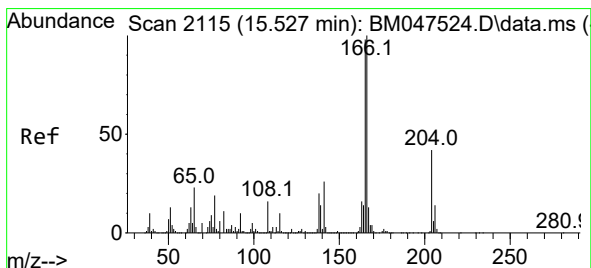
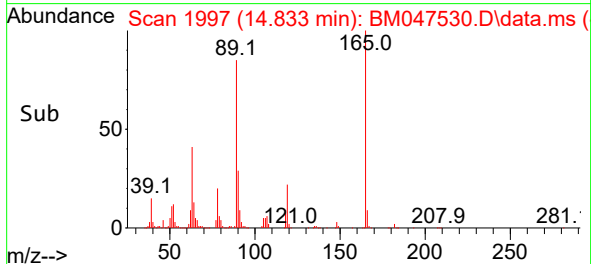
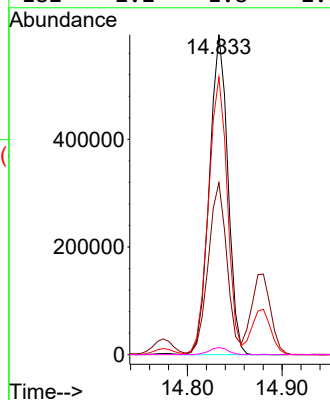
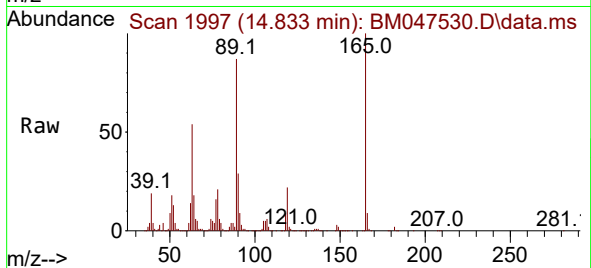
Ion Ratio Lower Upper

165 100

63 53.8 42.4 63.6

89 86.7 70.5 105.7

182 2.2 1.8 2.6



#58

Fluorene

Concen: 46.917 ng

RT: 15.527 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

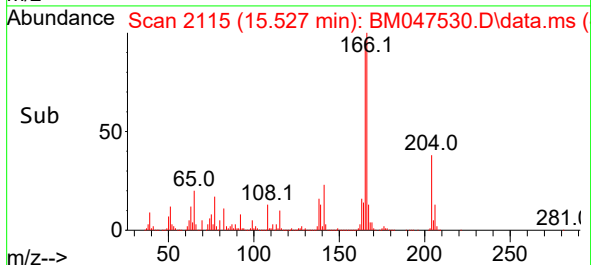
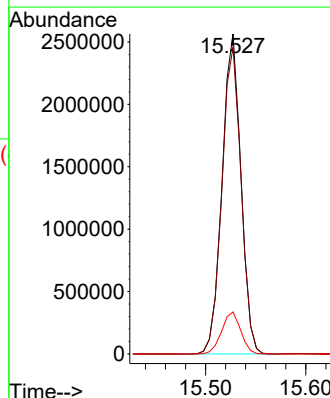
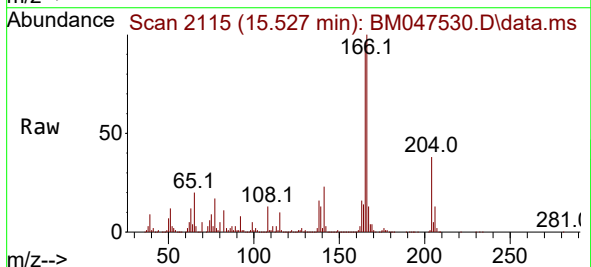
Tgt Ion:166 Resp: 3339040

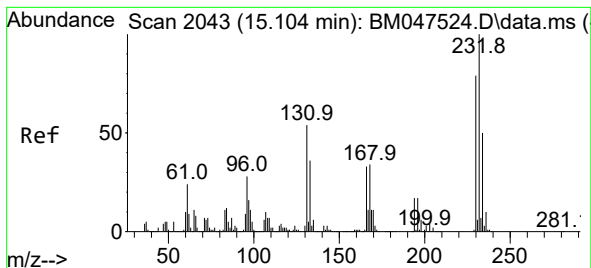
Ion Ratio Lower Upper

166 100

165 95.8 78.6 117.8

167 13.1 10.7 16.1

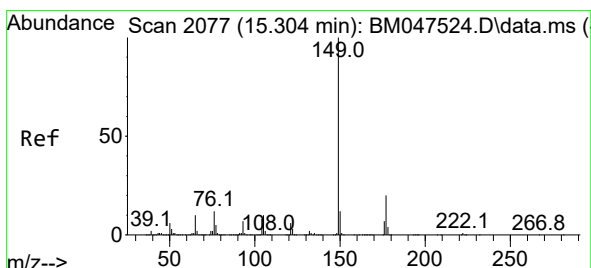
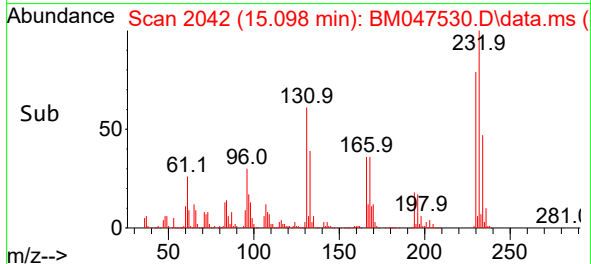
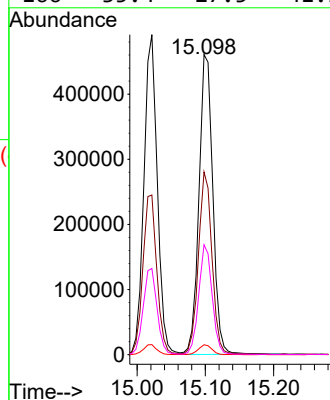
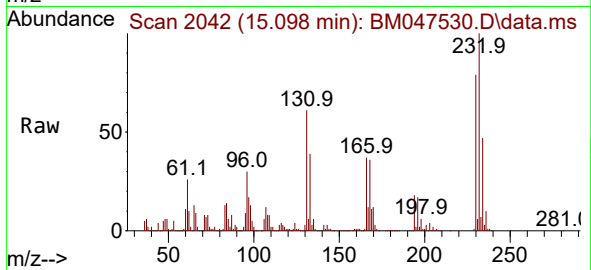




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.360 ng  
RT: 15.098 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

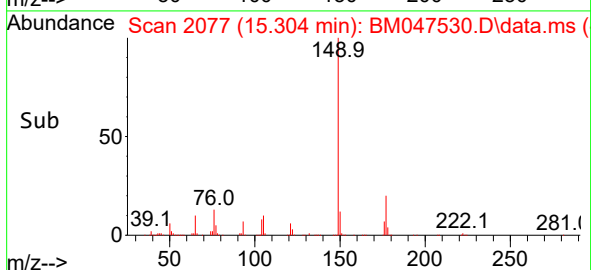
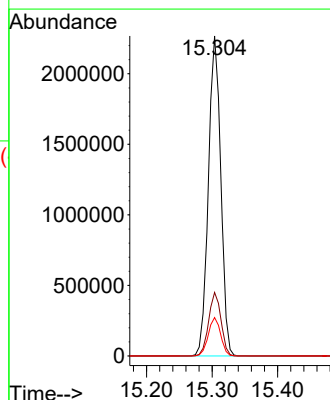
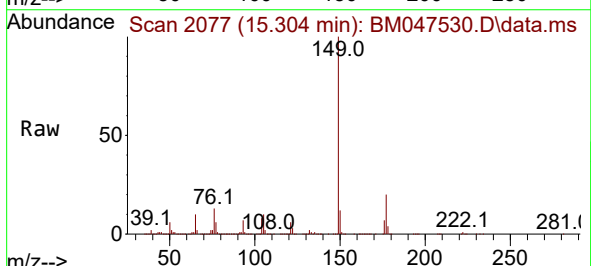
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

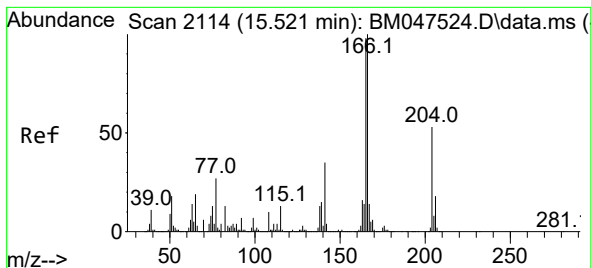
Tgt Ion:232 Resp: 651097  
Ion Ratio Lower Upper  
232 100  
131 59.5 47.0 70.4  
130 3.3 2.6 3.8  
166 35.4 27.5 41.3



#60  
Diethylphthalate  
Concen: 44.630 ng  
RT: 15.304 min Scan# 2077  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:149 Resp: 2981295  
Ion Ratio Lower Upper  
149 100  
177 19.9 15.8 23.8  
150 12.0 9.7 14.5

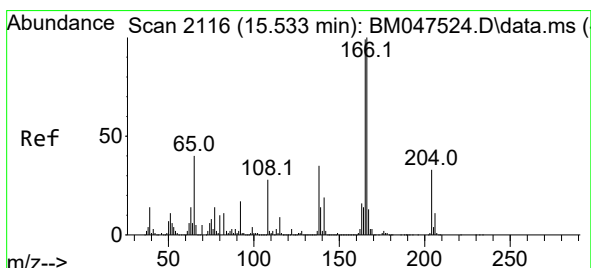
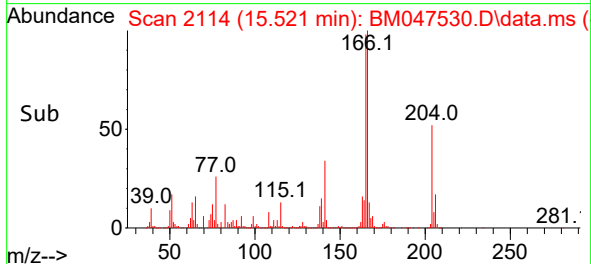
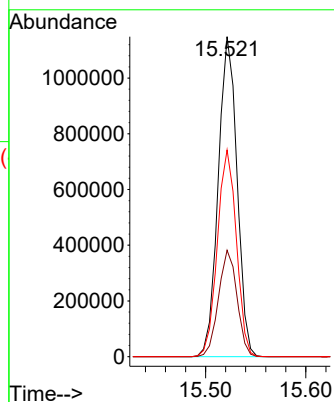
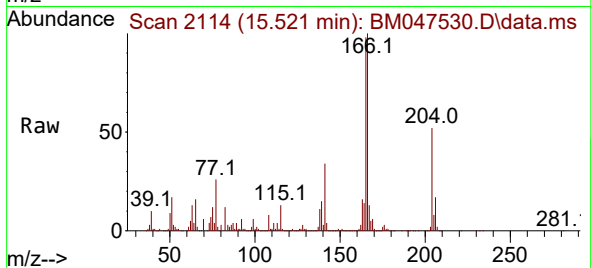




#61  
4-Chlorophenyl-phenylether  
Concen: 45.928 ng  
RT: 15.521 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

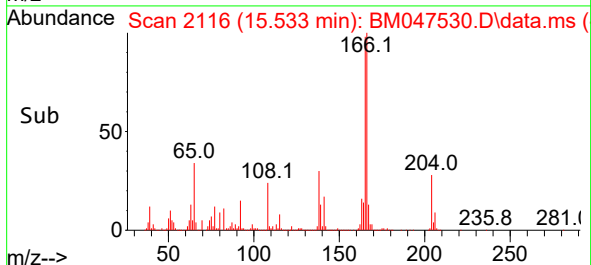
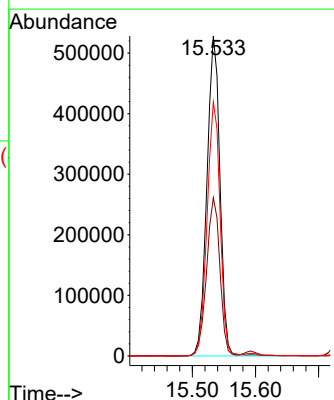
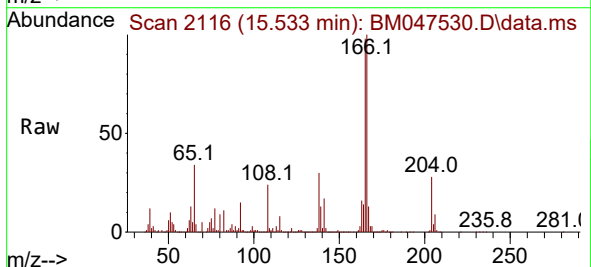
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

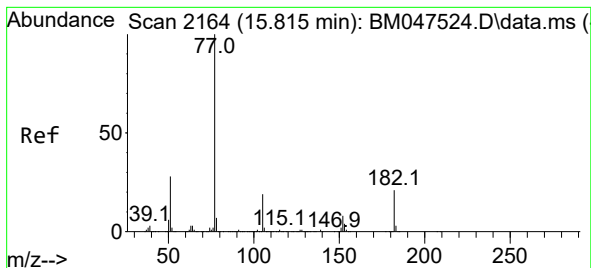
Tgt Ion:204 Resp: 1494537  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.5 39.7  
141 64.6 52.1 78.1



#62  
4-Nitroaniline  
Concen: 43.708 ng  
RT: 15.533 min Scan# 2116  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:138 Resp: 756660  
Ion Ratio Lower Upper  
138 100  
92 49.5 30.0 70.0  
108 79.4 61.7 101.7





#63

Azobenzene

Concen: 47.142 ng

RT: 15.816 min Scan# 2164

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

Tgt Ion: 77 Resp: 3467476

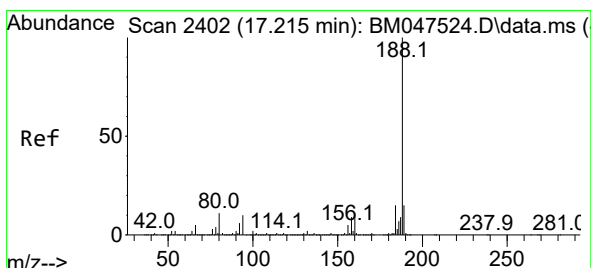
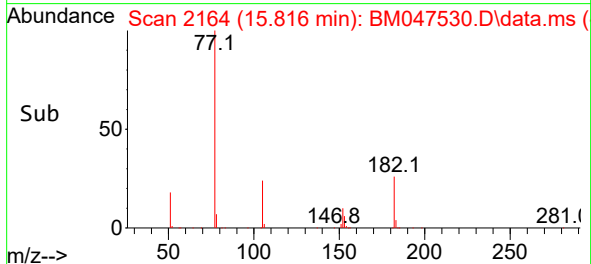
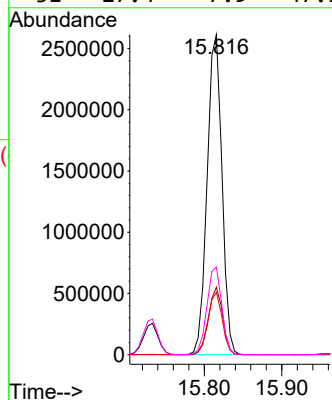
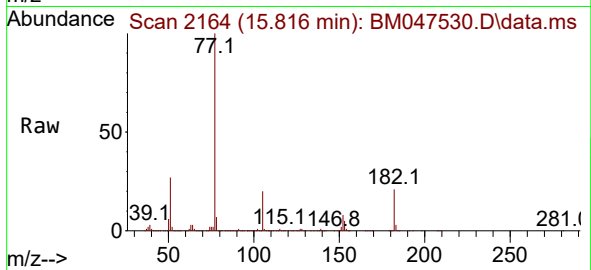
Ion Ratio Lower Upper

77 100

182 21.1 1.2 41.2

105 19.5 0.0 39.4

51 27.4 7.9 47.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

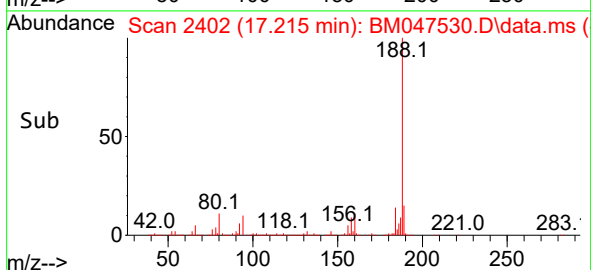
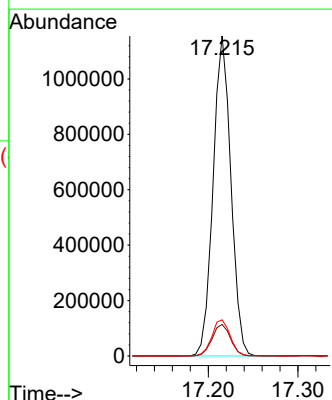
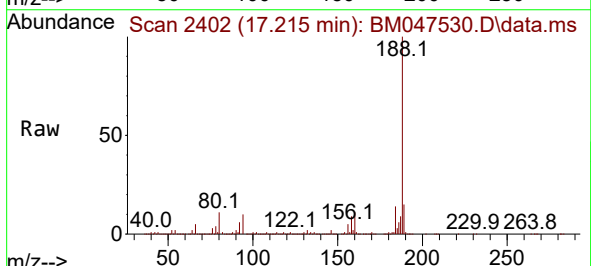
Tgt Ion:188 Resp: 1589037

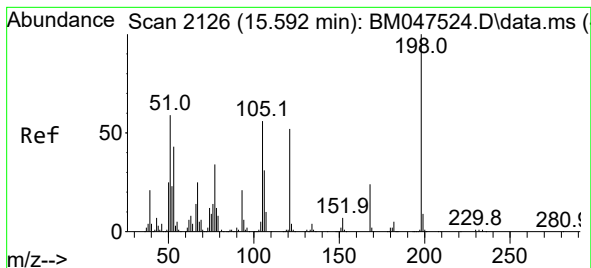
Ion Ratio Lower Upper

188 100

94 9.8 8.4 12.6

80 11.3 9.1 13.7

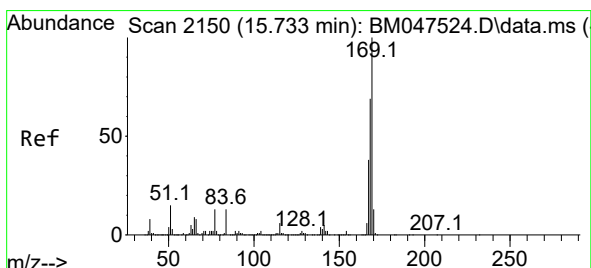
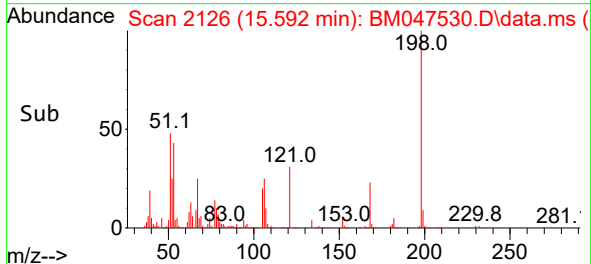
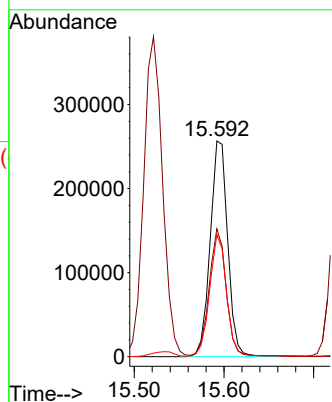
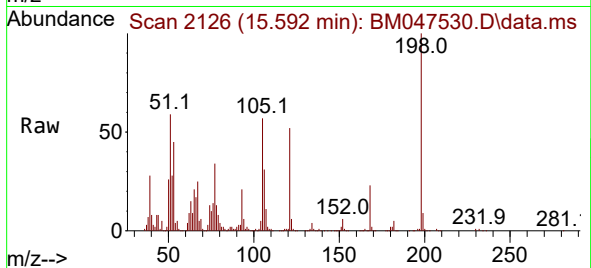




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 43.724 ng  
 RT: 15.592 min Scan# 2126  
 Delta R.T. 0.000 min  
 Lab File: BM047530.D  
 Acq: 14 Sep 2024 19:12

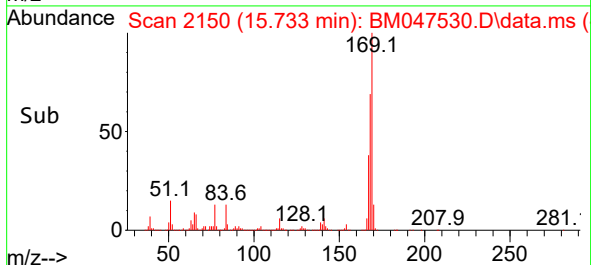
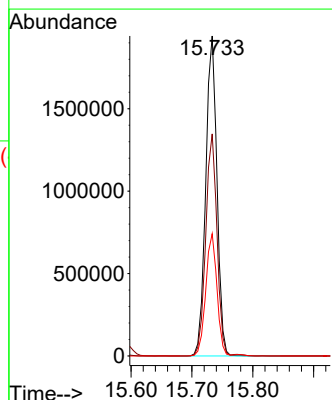
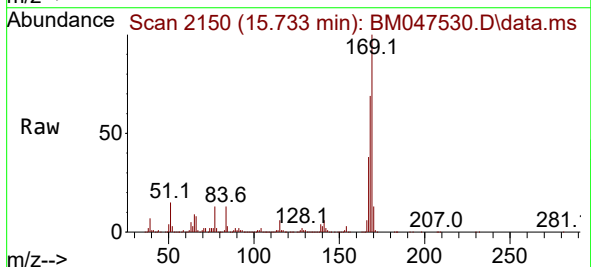
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB163160BS

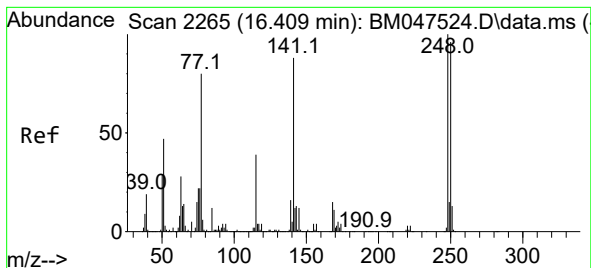
Tgt Ion:198 Resp: 347804  
 Ion Ratio Lower Upper  
 198 100  
 51 59.3 41.5 81.5  
 105 56.6 36.4 76.4



#66  
 n-Nitrosodiphenylamine  
 Concen: 51.123 ng  
 RT: 15.733 min Scan# 2150  
 Delta R.T. 0.000 min  
 Lab File: BM047530.D  
 Acq: 14 Sep 2024 19:12

Tgt Ion:169 Resp: 2485201  
 Ion Ratio Lower Upper  
 169 100  
 168 69.4 55.3 82.9  
 167 38.2 30.5 45.7

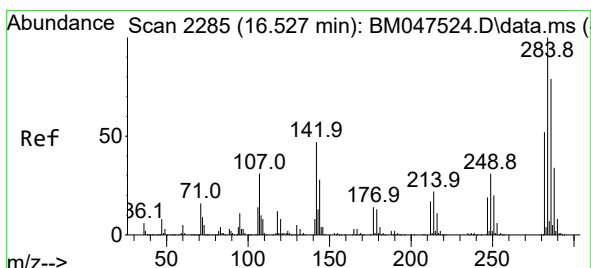
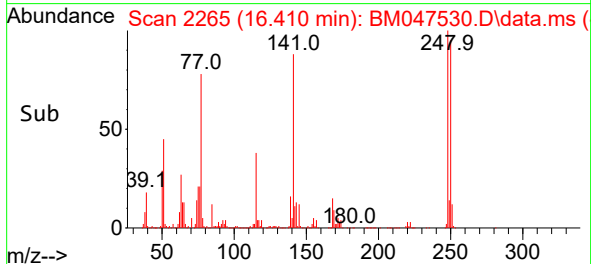
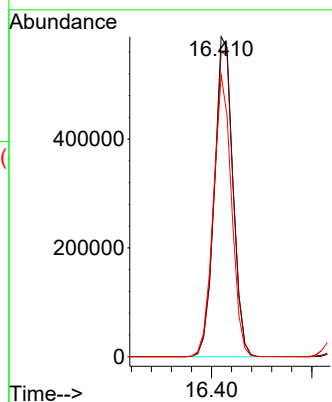
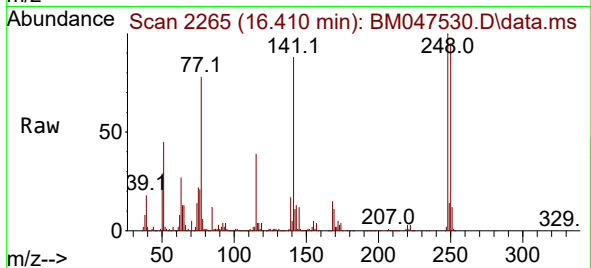




#67  
4-Bromophenyl-phenylether  
Concen: 48.888 ng  
RT: 16.410 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

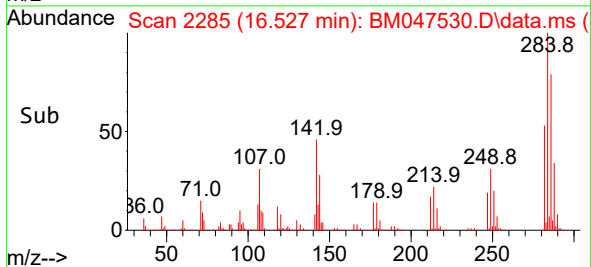
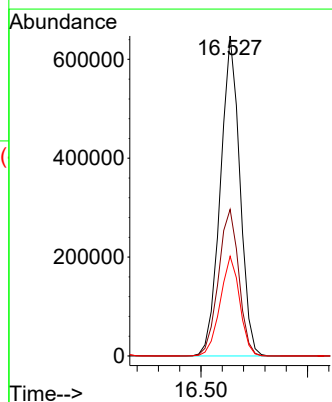
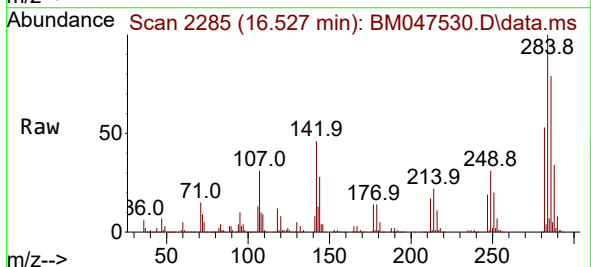
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

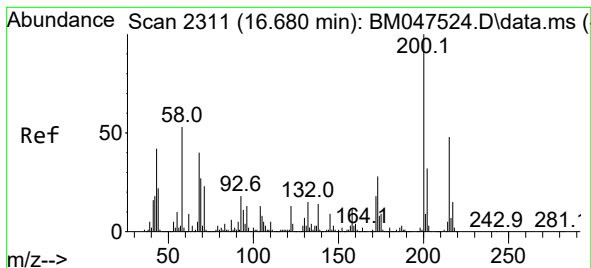
Tgt Ion:248 Resp: 754844  
Ion Ratio Lower Upper  
248 100  
250 95.4 76.9 115.3  
141 88.1 70.8 106.2



#68  
Hexachlorobenzene  
Concen: 46.893 ng  
RT: 16.527 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:284 Resp: 820223  
Ion Ratio Lower Upper  
284 100  
142 45.8 37.3 55.9  
249 31.2 24.5 36.7





#69

Atrazine

Concen: 52.456 ng

RT: 16.680 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

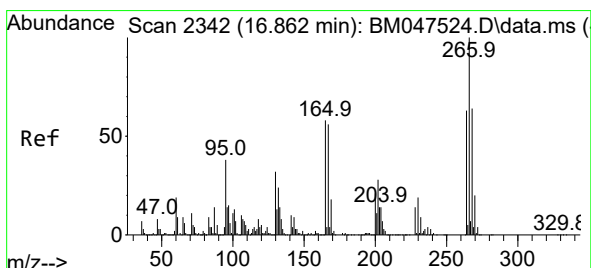
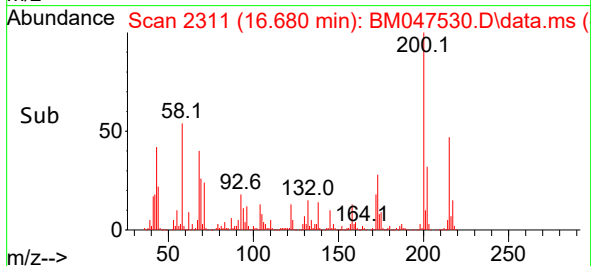
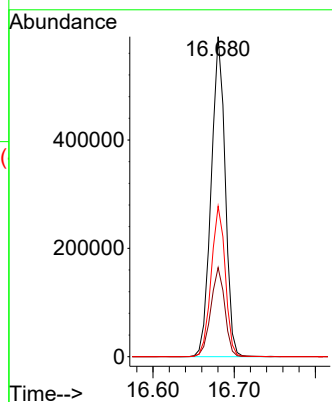
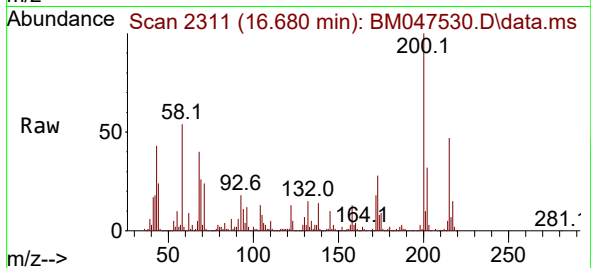
Tgt Ion:200 Resp: 704798

Ion Ratio Lower Upper

200 100

173 27.8 7.7 47.7

215 47.0 27.9 67.9



#70

Pentachlorophenol

Concen: 105.798 ng

RT: 16.868 min Scan# 2343

Delta R.T. 0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

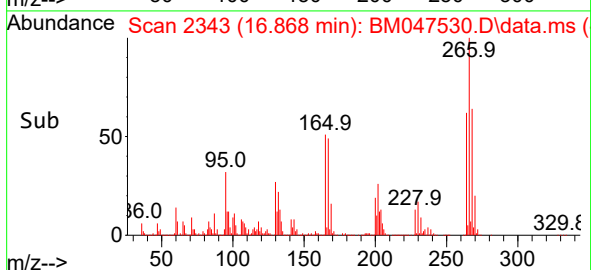
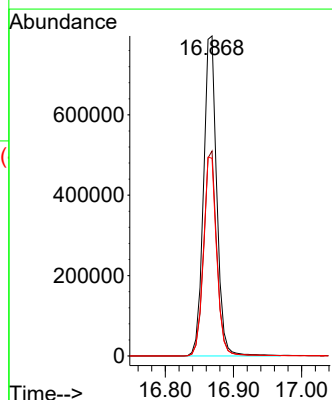
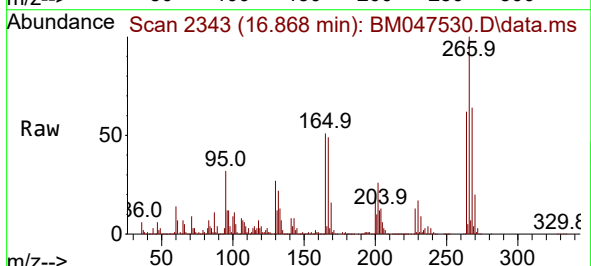
Tgt Ion:266 Resp: 1072733

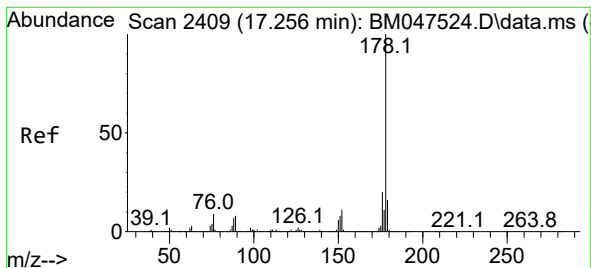
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.4

264 61.8 50.4 75.6





#71

Phenanthrene

Concen: 48.841 ng

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

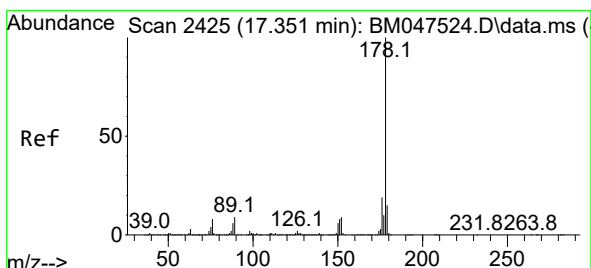
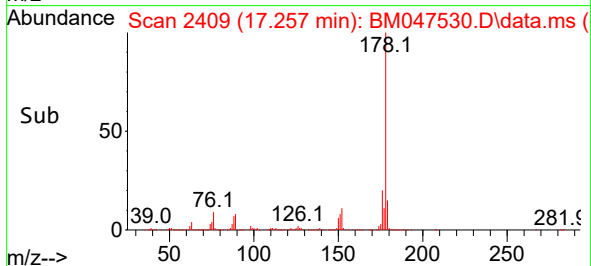
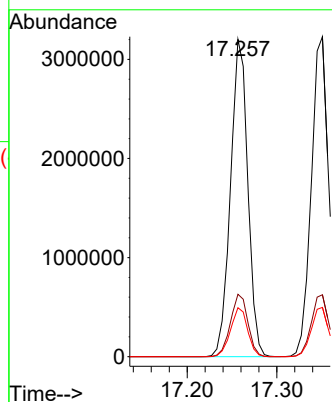
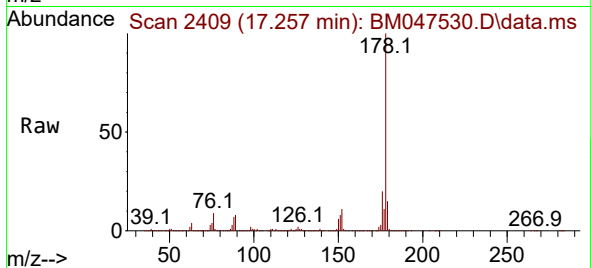
Tgt Ion:178 Resp: 4277100

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.4 12.4 18.6



#72

Anthracene

Concen: 51.868 ng

RT: 17.351 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

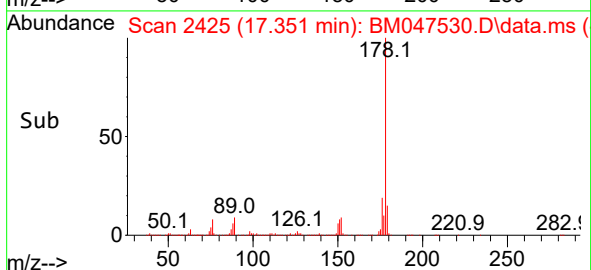
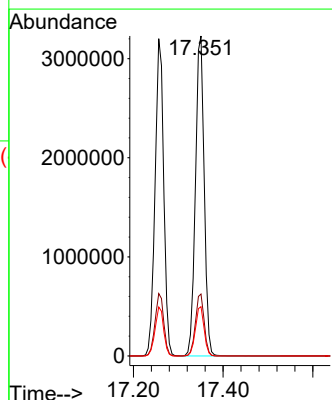
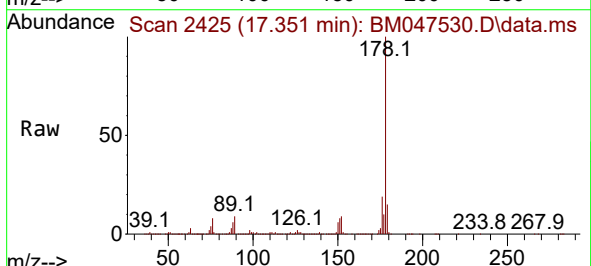
Tgt Ion:178 Resp: 4363975

Ion Ratio Lower Upper

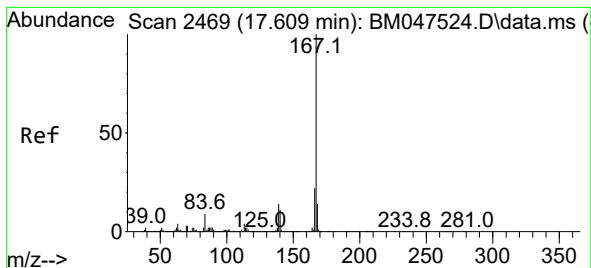
178 100

176 19.4 15.4 23.0

179 15.4 12.3 18.5







#73

Carbazole

Concen: 45.632 ng

RT: 17.610 min Scan# 2469

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

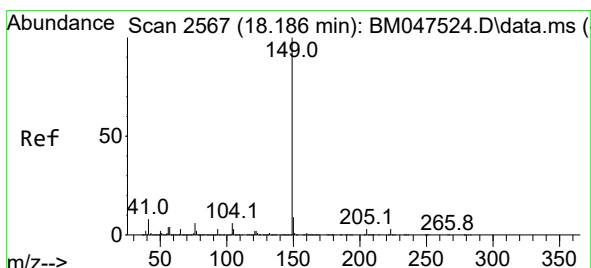
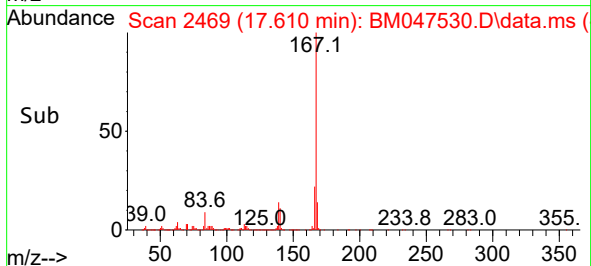
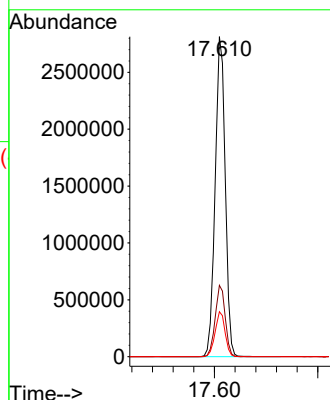
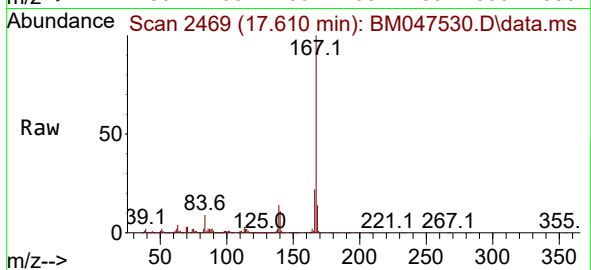
Tgt Ion:167 Resp: 3804785

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.8

139 14.0 11.0 16.6



#74

Di-n-butylphthalate

Concen: 47.500 ng

RT: 18.186 min Scan# 2567

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

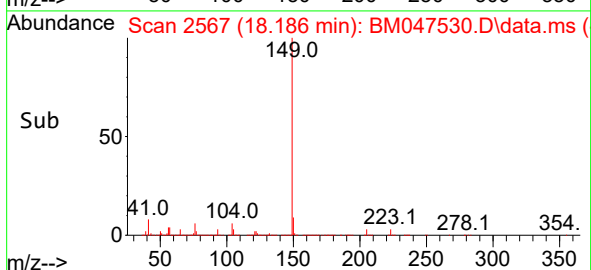
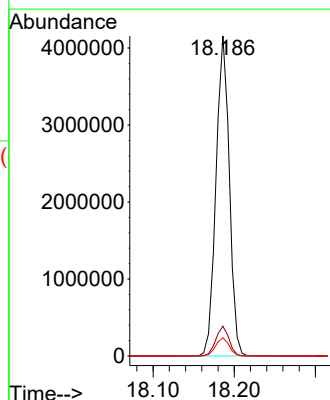
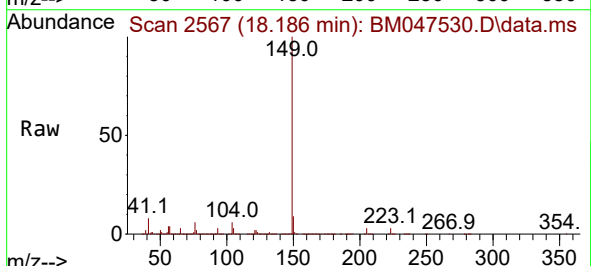
Tgt Ion:149 Resp: 4738766

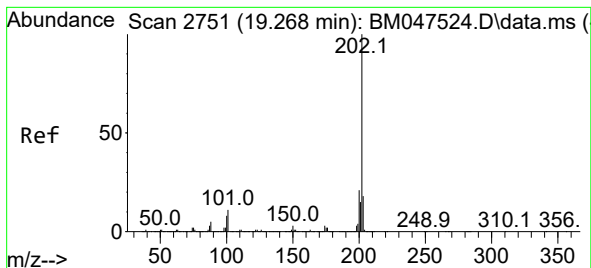
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.7 4.6 6.8





#75

Fluoranthene

Concen: 43.785 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

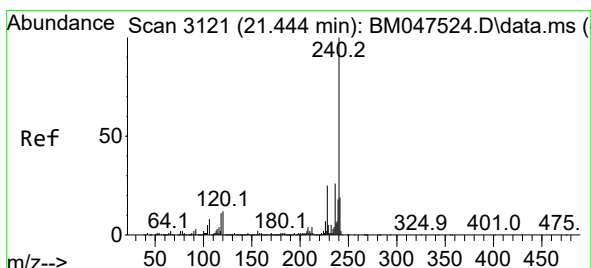
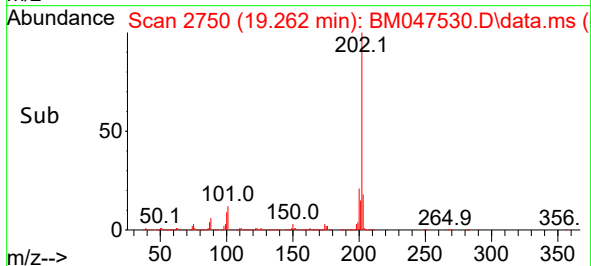
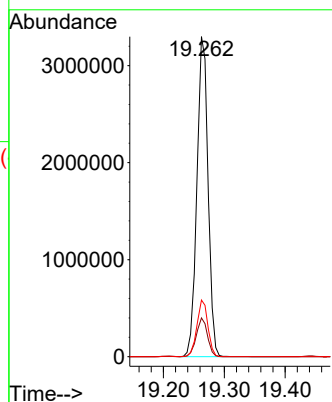
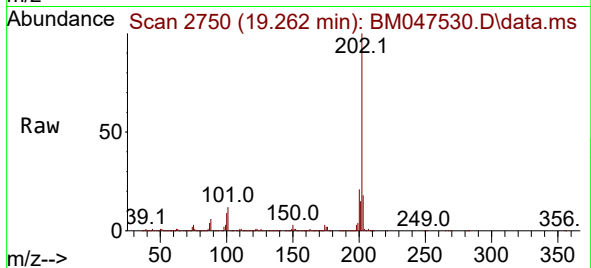
Tgt Ion:202 Resp: 4183458

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.8

203 17.7 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.005 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

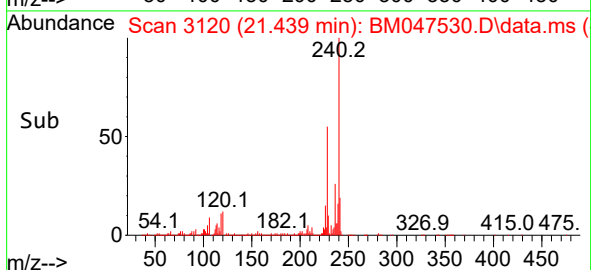
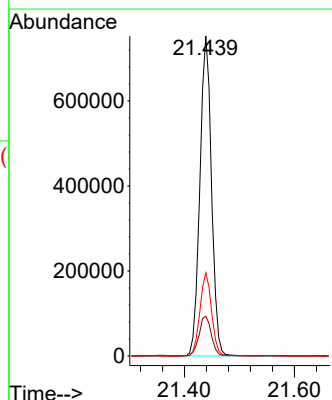
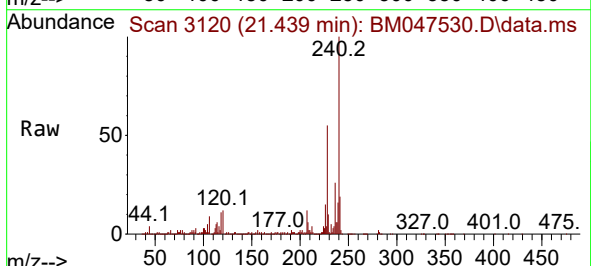
Tgt Ion:240 Resp: 1105064

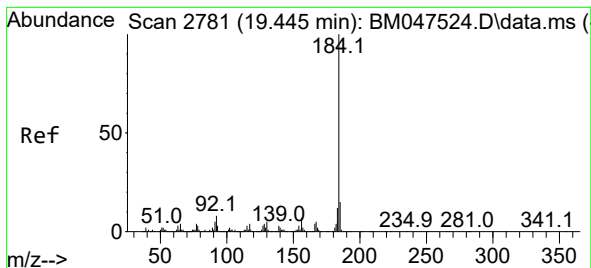
Ion Ratio Lower Upper

240 100

120 12.4 9.6 14.4

236 26.0 20.9 31.3





#77

Benzidine

Concen: 78.337 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

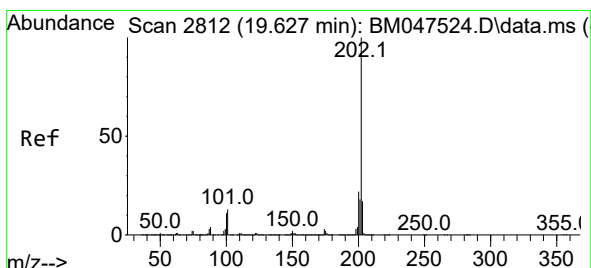
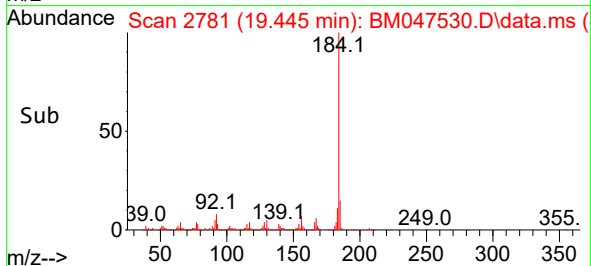
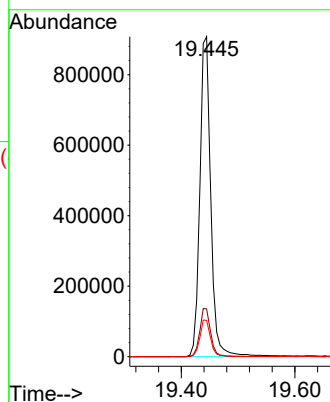
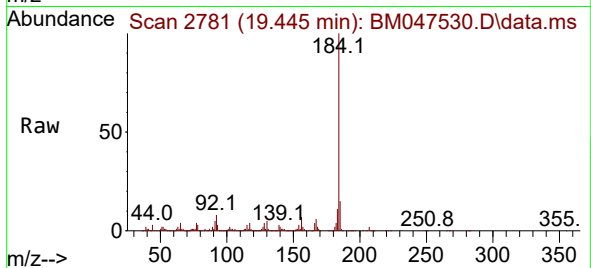
Tgt Ion:184 Resp: 1219200

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

183 11.3 9.6 14.4



#78

Pyrene

Concen: 55.397 ng

RT: 19.627 min Scan# 2812

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

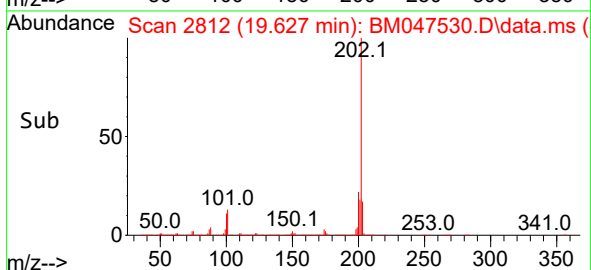
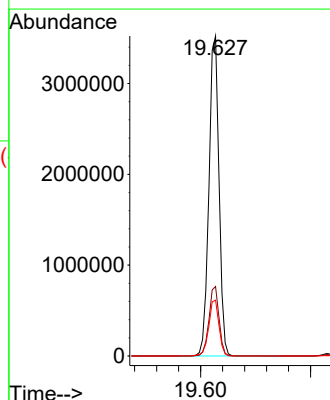
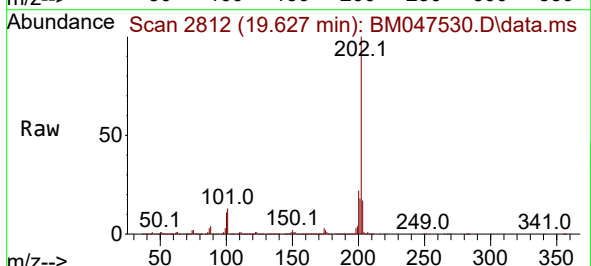
Tgt Ion:202 Resp: 4465367

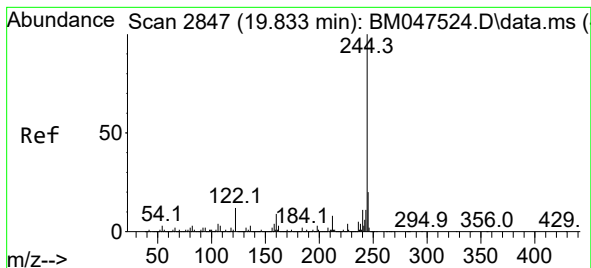
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 128.476 ng

RT: 19.833 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

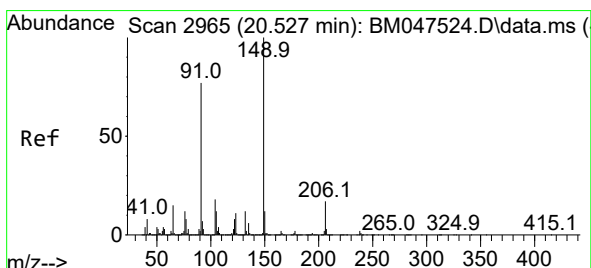
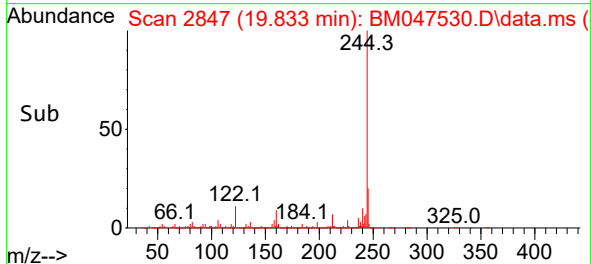
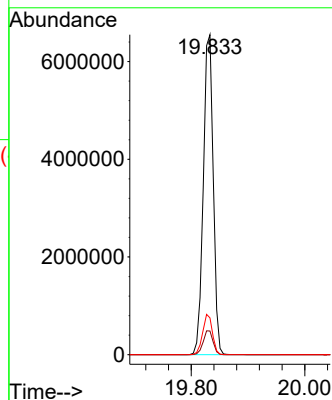
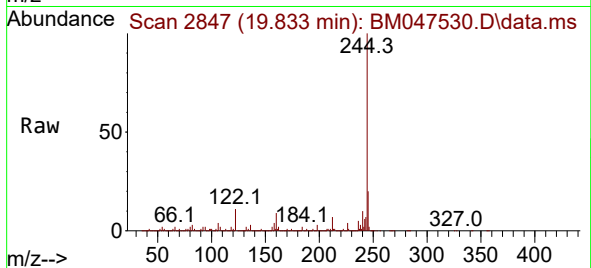
Tgt Ion:244 Resp: 7922916

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

122 11.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 53.270 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

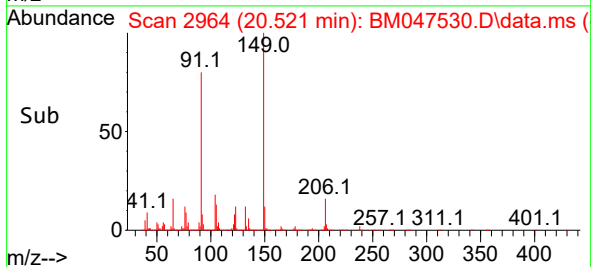
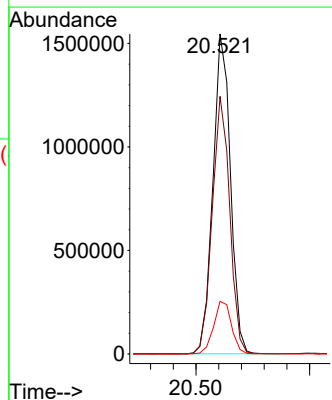
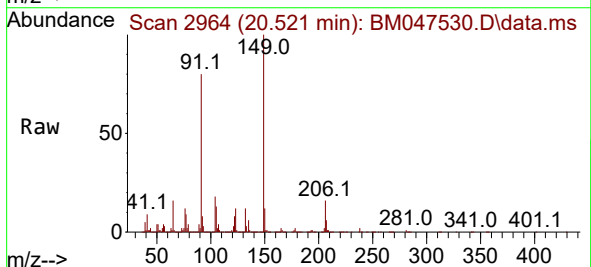
Tgt Ion:149 Resp: 1652932

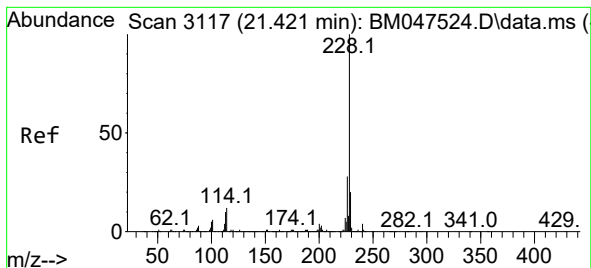
Ion Ratio Lower Upper

149 100

91 80.5 62.0 93.0

206 16.5 13.8 20.8





#81

Benzo(a)anthracene

Concen: 48.862 ng

RT: 21.421 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

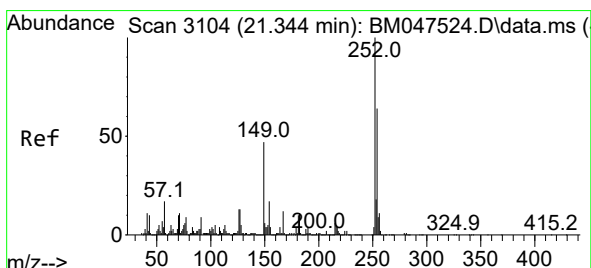
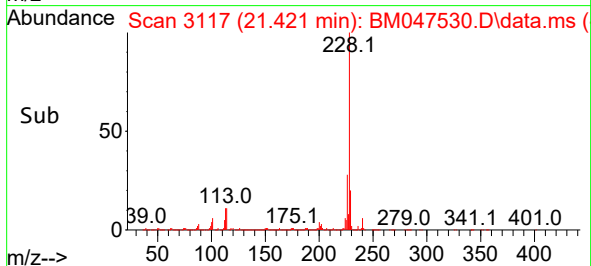
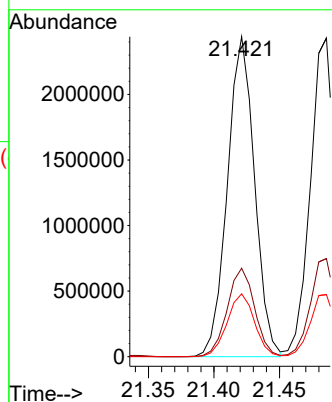
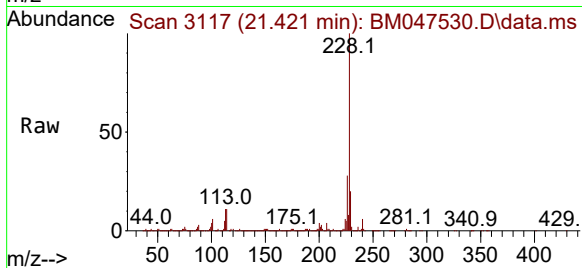
Tgt Ion:228 Resp: 3519445

Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

229 19.6 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 41.367 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

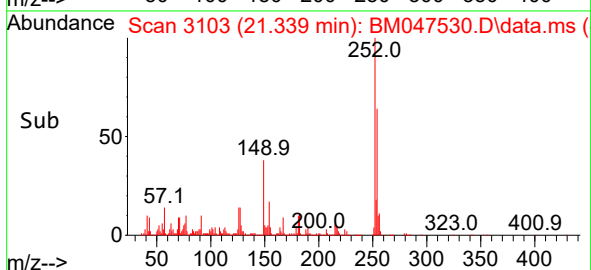
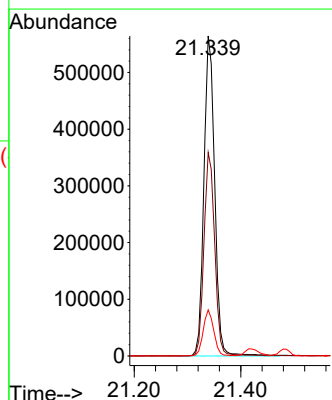
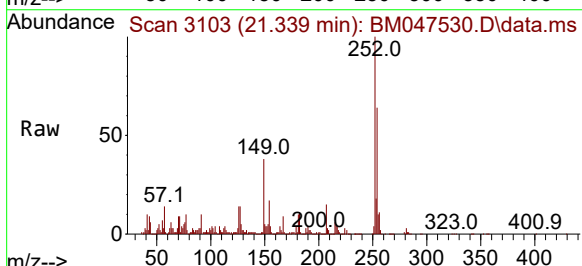
Tgt Ion:252 Resp: 792608

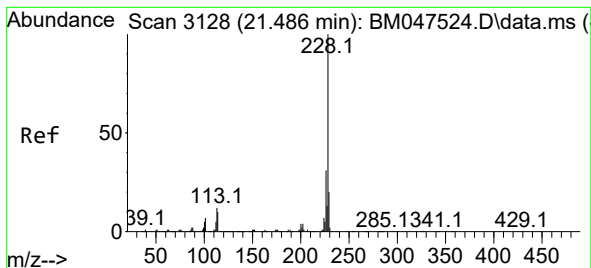
Ion Ratio Lower Upper

252 100

254 63.5 51.5 77.3

126 14.4 10.3 15.5





#83

Chrysene

Concen: 48.319 ng

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

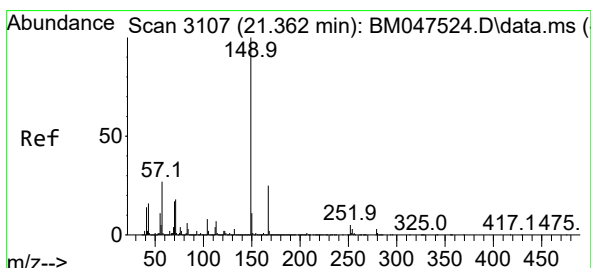
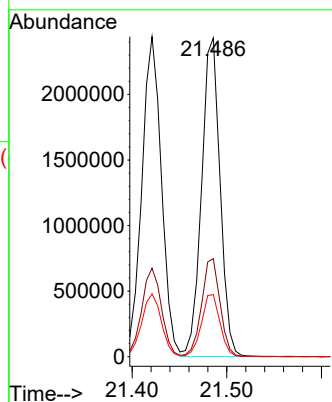
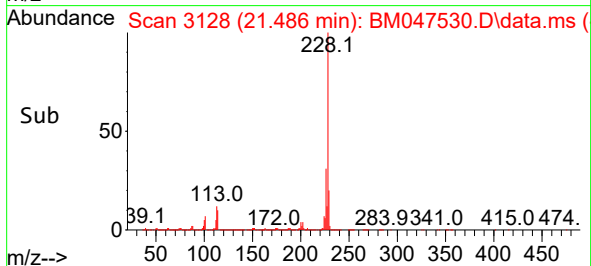
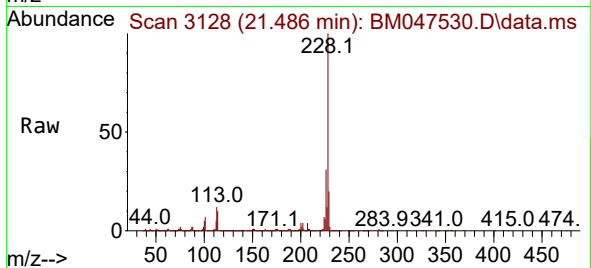
Tgt Ion:228 Resp: 3291965

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 19.5 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.730 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

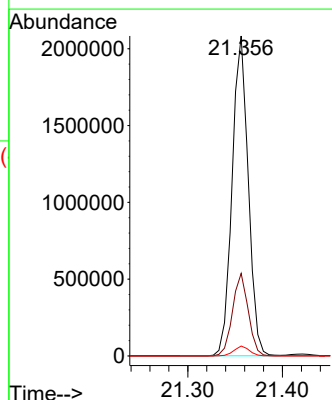
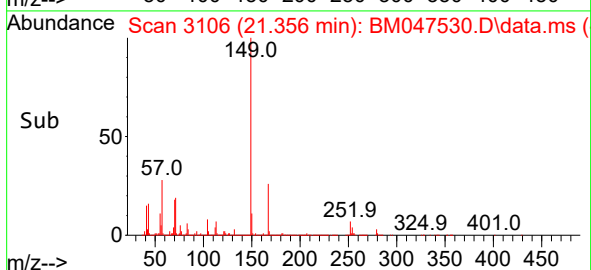
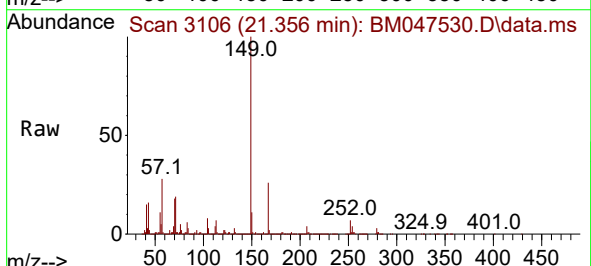
Tgt Ion:149 Resp: 2465921

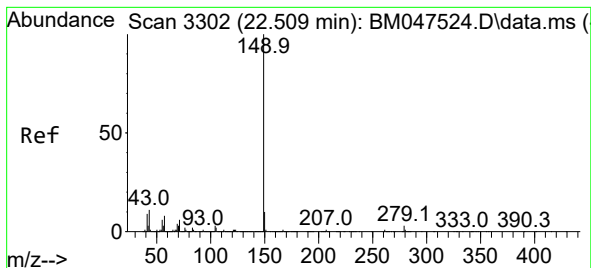
Ion Ratio Lower Upper

149 100

167 25.8 20.2 30.4

279 3.1 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 49.221 ng

RT: 22.503 min Scan# 3301

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

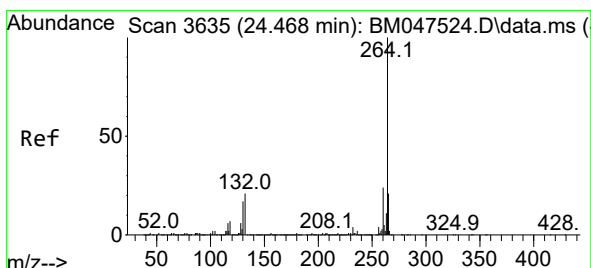
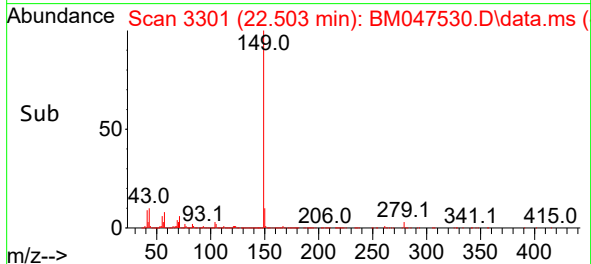
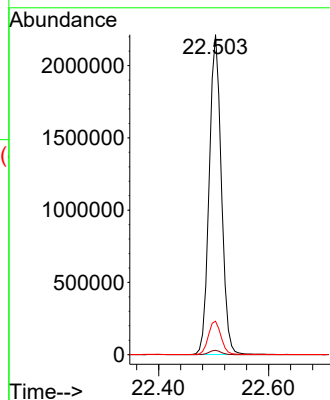
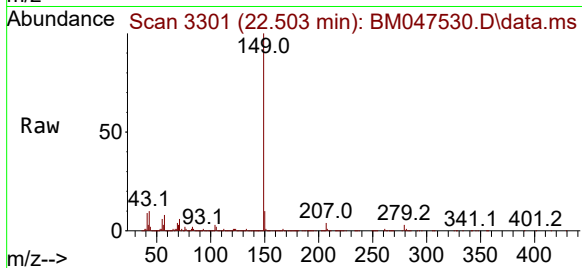
Tgt Ion:149 Resp: 3384313

Ion Ratio Lower Upper

149 100

167 1.3 1.1 1.7

43 11.0 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

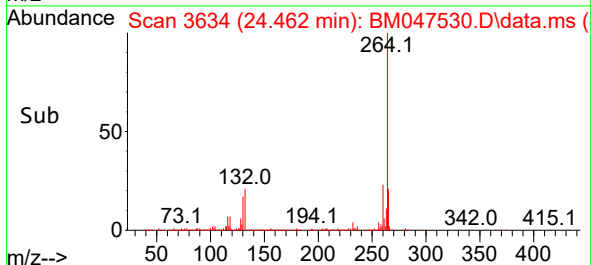
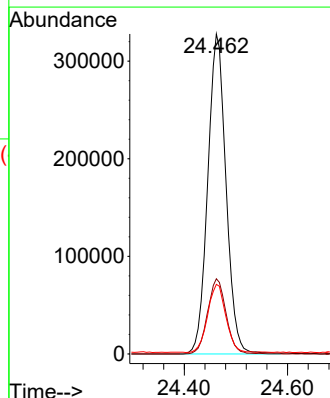
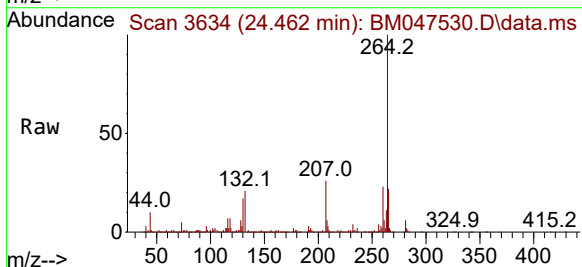
Tgt Ion:264 Resp: 804281

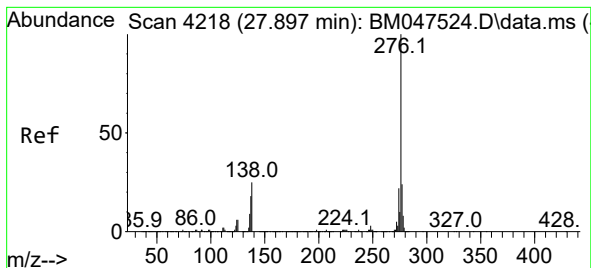
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.648 ng

RT: 27.891 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

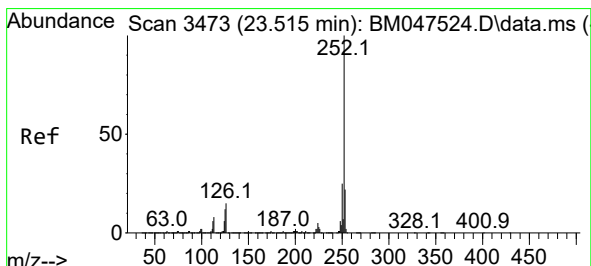
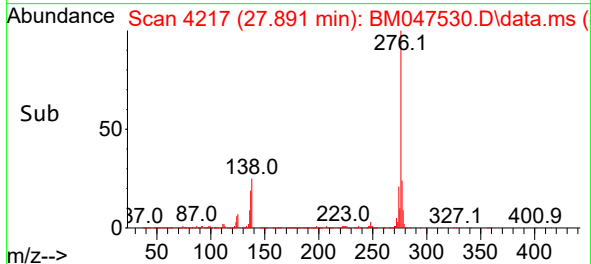
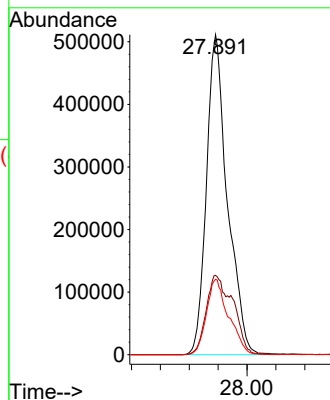
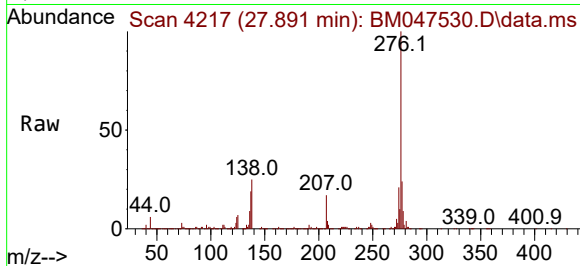
Tgt Ion:276 Resp: 2582184

Ion Ratio Lower Upper

276 100

138 31.6 25.0 37.6

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 48.745 ng

RT: 23.509 min Scan# 3472

Delta R.T. -0.006 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

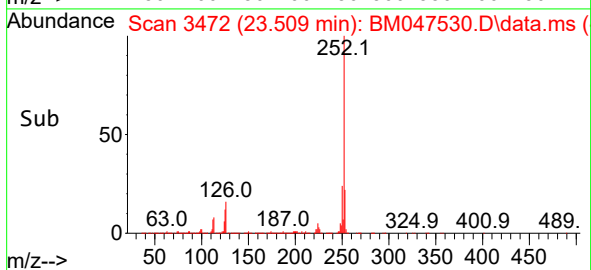
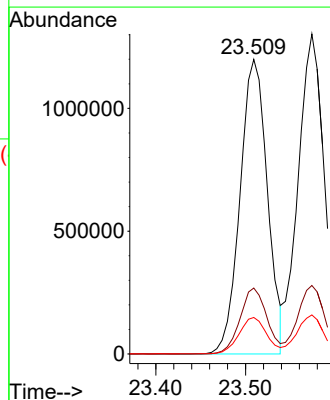
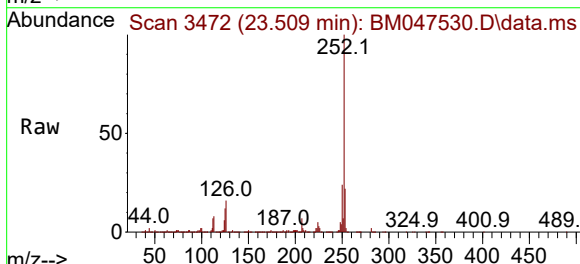
Tgt Ion:252 Resp: 2536602

Ion Ratio Lower Upper

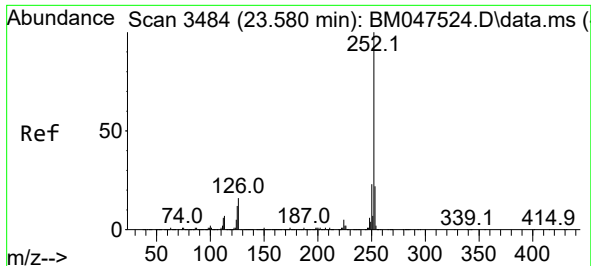
252 100

253 22.4 17.8 26.8

125 12.4 9.5 14.3



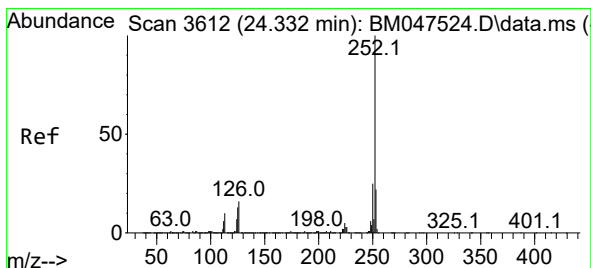
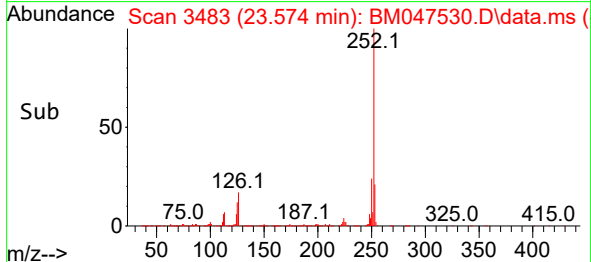
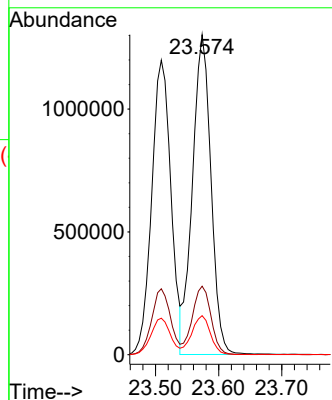
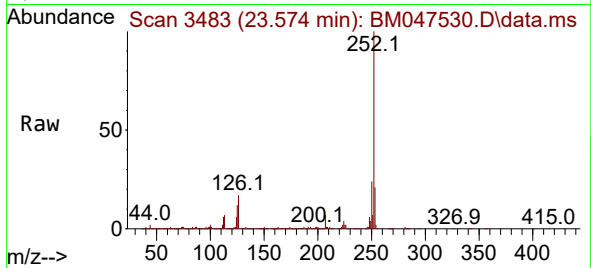




#89  
Benzo(k)fluoranthene  
Concen: 51.318 ng  
RT: 23.574 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

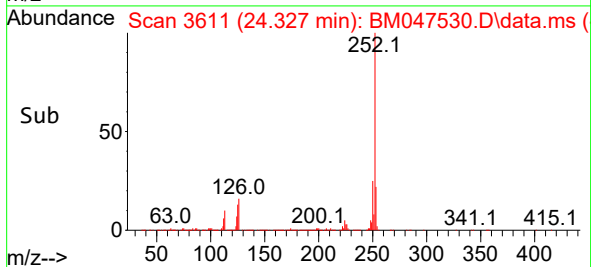
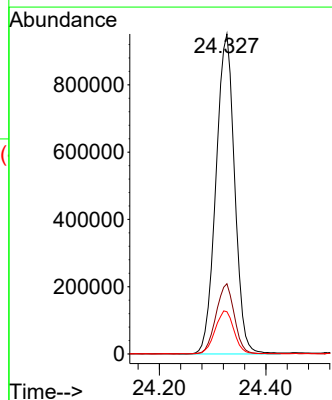
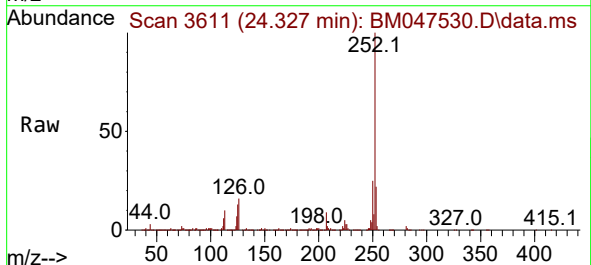
Instrument :  
BNA\_M  
ClientSampleId :  
PB163160BS

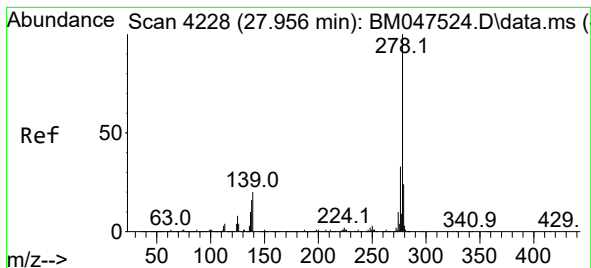
Tgt Ion:252 Resp: 2646672  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.8 26.6  
125 12.2 9.5 14.3



#90  
Benzo(a)pyrene  
Concen: 54.196 ng  
RT: 24.327 min Scan# 3611  
Delta R.T. -0.006 min  
Lab File: BM047530.D  
Acq: 14 Sep 2024 19:12

Tgt Ion:252 Resp: 2311498  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 13.2 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 52.964 ng

RT: 27.956 min Scan# 4397

Delta R.T. 0.000 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Instrument :

BNA\_M

ClientSampleId :

PB163160BS

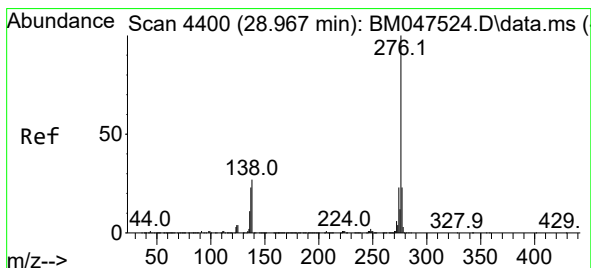
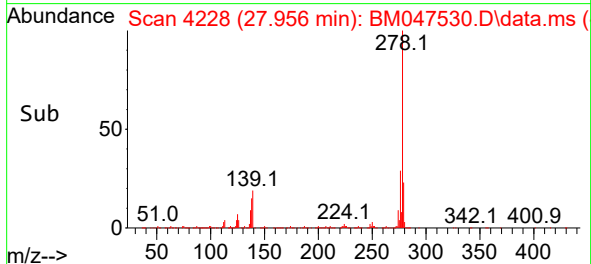
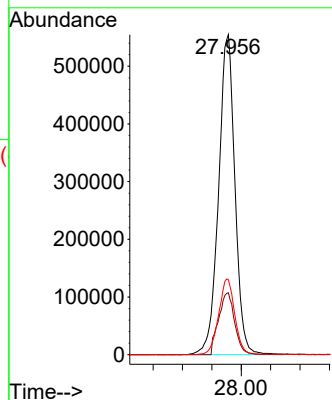
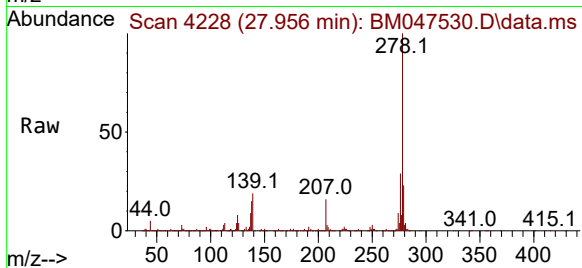
Tgt Ion:278 Resp: 2144802

Ion Ratio Lower Upper

278 100

139 19.4 15.9 23.9

279 23.5 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 49.431 ng

RT: 28.950 min Scan# 4397

Delta R.T. -0.017 min

Lab File: BM047530.D

Acq: 14 Sep 2024 19:12

Tgt Ion:276 Resp: 1955354

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 27.0 21.5 32.3

