

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081524\  
 Data File : BM047193.D  
 Acq On : 14 Aug 2024 16:10  
 Operator : RC/JU  
 Sample : PB162602L  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB162602BL

Quant Time: Aug 14 17:03:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 11 23:47:58 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.369  | 152  | 463084   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.122 | 136  | 1836037  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.027 | 164  | 1289051  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.786 | 188  | 2686004  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.021 | 240  | 1987908  | 20.000 | ng    | -0.01    |
| 86) Perylene-d12          | 23.715 | 264  | 2013715  | 20.000 | ng    | -0.01    |

|                             |        |     |         |        |    |       |
|-----------------------------|--------|-----|---------|--------|----|-------|
| System Monitoring Compounds |        |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.022  | 112 | 2482382 | 95.784 | ng | 0.00  |
| 7) Phenol-d6                | 6.581  | 99  | 3281598 | 91.894 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 8.516  | 82  | 2185979 | 59.950 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 15.533 | 330 | 1293867 | 86.565 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 12.633 | 172 | 4781447 | 57.217 | ng | -0.01 |
| 79) Terphenyl-d14           | 19.456 | 244 | 6751724 | 72.777 | ng | 0.00  |

|                               |        |     |       |           |        |      |
|-------------------------------|--------|-----|-------|-----------|--------|------|
| Target Compounds              |        |     |       |           | Qvalue |      |
| 2) 1,4-Dioxane                | 3.040  | 88  | 307   | 0.029     | ng     | # 1  |
| 3) Pyridine                   | 3.422  | 79  | 857   | 0.027     | ng     | # 1  |
| 4) n-Nitrosodimethylamine     | 3.328  | 42  | 361   | 0.026     | ng     | # 1  |
| 6) Aniline                    | 6.722  | 93  | 59    | 0.002     | ng     | # 1  |
| 8) 2-Chlorophenol             | 6.875  | 128 | 60    | 0.002     | ng     | # 35 |
| 9) Benzaldehyde               | 6.522  | 77  | 371   | Below Cal |        | # 3  |
| 10) Phenol                    | 6.575  | 94  | 685   | 0.019     | ng     | # 1  |
| 11) bis(2-Chloroethyl)ether   | 6.722  | 93  | 59    | 0.002     | ng     | # 56 |
| 15) Benzyl Alcohol            | 7.369  | 79  | 14601 | 0.574     | ng     | # 29 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.898  | 45  | 68    | 0.002     | ng     | # 1  |
| 18) Hexachloroethane          | 8.239  | 117 | 58    | 0.004     | ng     | # 1  |
| 19) n-Nitroso-di-n-propyla... | 8.104  | 70  | 57    | 0.002     | ng     | # 1  |
| 22) Acetophenone              | 8.181  | 105 | 77    | 0.002     | ng     | # 1  |
| 24) Nitrobenzene              | 8.516  | 77  | 6979  | 0.190     | ng     | # 40 |
| 25) Isophorone                | 9.075  | 82  | 189   | 0.003     | ng     | # 66 |
| 31) Naphthalene               | 10.057 | 128 | 56    | 0.001     | ng     | # 69 |
| 46) 1,1'-Biphenyl             | 12.633 | 154 | 9570  | 0.104     | ng     | # 1  |
| 48) 2-Nitroaniline            | 13.121 | 65  | 124   | 0.006     | ng     | # 4  |
| 52) Acenaphthene              | 14.021 | 154 | 4240  | 0.063     | ng     | # 4  |
| 53) 3-Nitroaniline            | 14.027 | 138 | 215   | 0.010     | ng     | # 1  |
| 57) 2,4-Dinitrotoluene        | 14.404 | 165 | 56    | 0.002     | ng     | # 19 |
| 60) Diethylphthalate          | 14.898 | 149 | 236   | 0.003     | ng     | # 59 |
| 63) Azobenzene                | 15.380 | 77  | 537   | 0.006     | ng     | # 55 |
| 66) n-Nitrosodiphenylamine    | 15.533 | 169 | 48607 | 0.664     | ng     | # 49 |
| 71) Phenanthrene              | 16.827 | 178 | 317   | 0.002     | ng     | # 1  |
| 72) Anthracene                | 16.927 | 178 | 58    | 0.000     | ng     | # 61 |
| 73) Carbazole                 | 17.215 | 167 | 61    | 0.000     | ng     | # 60 |
| 74) Di-n-butylphthalate       | 17.798 | 149 | 1379  | 0.009     | ng     | # 78 |
| 75) Fluoranthene              | 18.868 | 202 | 376   | 0.002     | ng     | # 50 |
| 77) Benzidine                 | 19.098 | 184 | 797   | 0.024     | ng     | # 35 |
| 78) Pyrene                    | 19.456 | 202 | 23987 | 0.169     | ng     | # 62 |
| 80) Butylbenzylphthalate      | 20.174 | 149 | 333   | 0.006     | ng     | # 86 |
| 81) Benzo(a)anthracene        | 21.056 | 228 | 1380  | 0.010     | ng     | # 96 |
| 82) 3,3'-Dichlorobenzidine    | 20.950 | 252 | 344   | 0.008     | ng     | # 26 |
| 83) Chrysene                  | 21.056 | 228 | 1380  | 0.011     | ng     | # 92 |
| 84) Bis(2-ethylhexyl)phtha... | 20.968 | 149 | 1761  | 0.021     | ng     | # 89 |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081524\  
Data File : BM047193.D  
Acq On : 14 Aug 2024 16:10  
Operator : RC/JU  
Sample : PB162602L  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

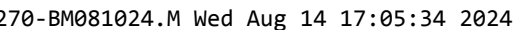
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

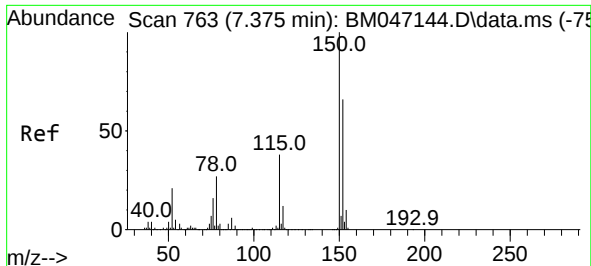
Quant Time: Aug 14 17:03:19 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 85) Di-n-octyl phthalate   | 22.009 | 149  | 260      | 0.002 | ng    | # 66     |
| 87) Indeno(1,2,3-cd)pyrene | 26.703 | 276  | 225      | 0.002 | ng    | # 73     |
| 88) Benzo(b)fluoranthene   | 22.886 | 252  | 2046     | 0.017 | ng    | # 1      |
| 89) Benzo(k)fluoranthene   | 22.921 | 252  | 185      | 0.002 | ng    | # 1      |
| 90) Benzo(a)pyrene         | 23.591 | 252  | 926      | 0.009 | ng    | # 1      |
| 91) Dibenzo(a,h)anthracene | 26.768 | 278  | 771      | 0.007 | ng    | # 28     |
| 92) Benzo(g,h,i)perylene   | 27.638 | 276  | 722      | 0.007 | ng    | # 54     |

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

Quant Time: Aug 14 17:03:19 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
Response via : Initial Calibration

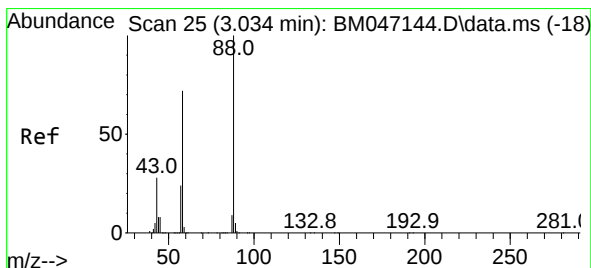
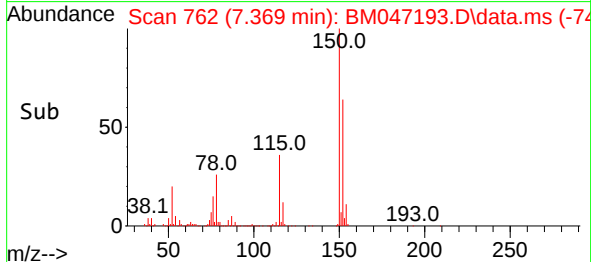
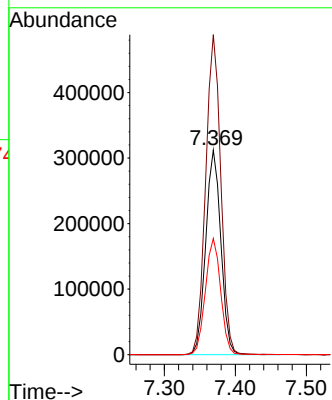
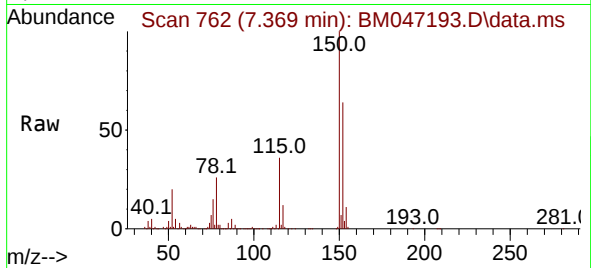




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.369 min Scan# 7  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

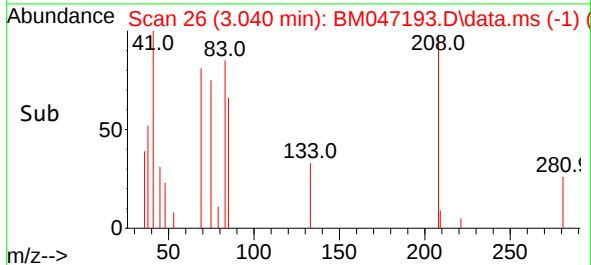
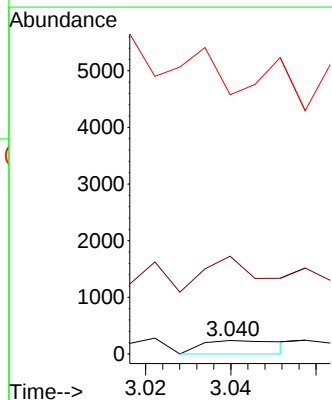
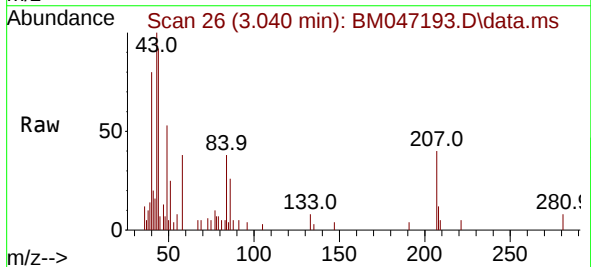
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

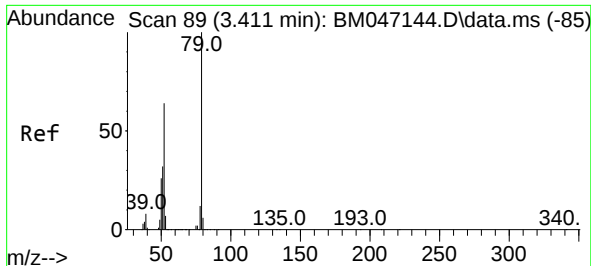
Tgt Ion:152 Resp: 463084  
Ion Ratio Lower Upper  
152 100  
150 156.4 120.5 180.7  
115 56.8 45.5 68.3



#2  
1,4-Dioxane  
Concen: 0.029 ng  
RT: 3.040 min Scan# 26  
Delta R.T. 0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

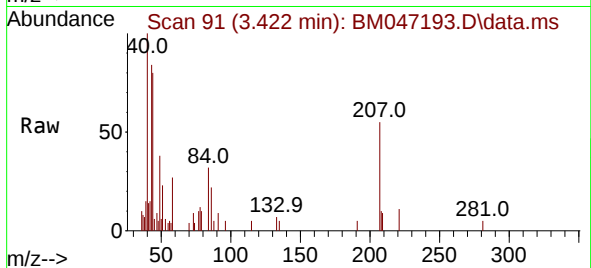
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Ion Ratio Lower Upper  
88 100  
58 176.5 58.2 87.4#  
43 0.0 22.5 33.7#



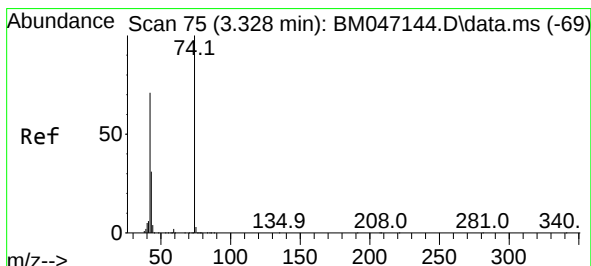
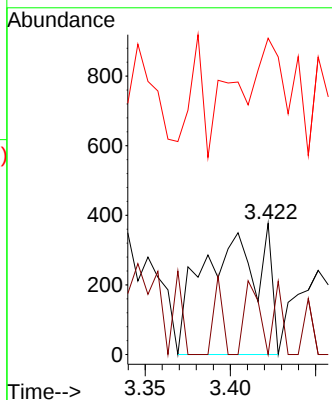
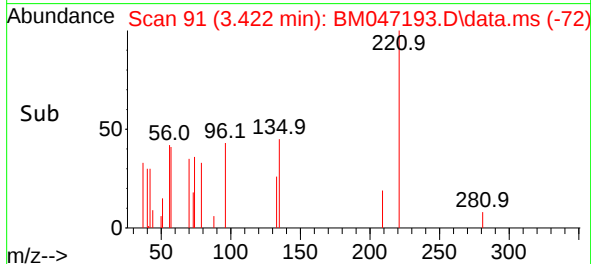


#3  
Pyridine  
Concen: 0.027 ng  
RT: 3.422 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

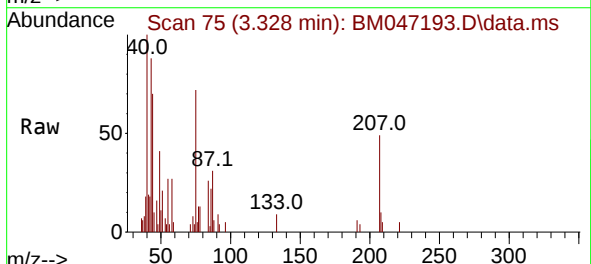
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ClientSampleId :  
PB162602BL



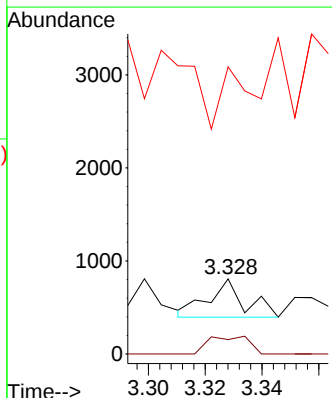
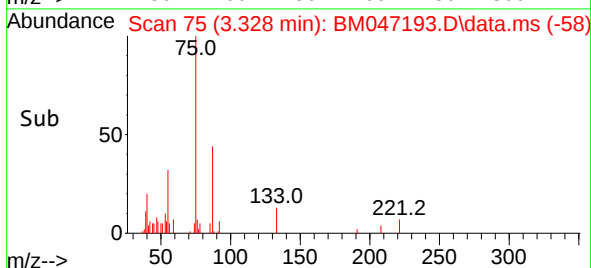
Tgt Ion: 79 Resp: 857  
Ion Ratio Lower Upper  
79 100  
52 0.0 51.2 76.8#  
51 241.1 26.1 39.1#

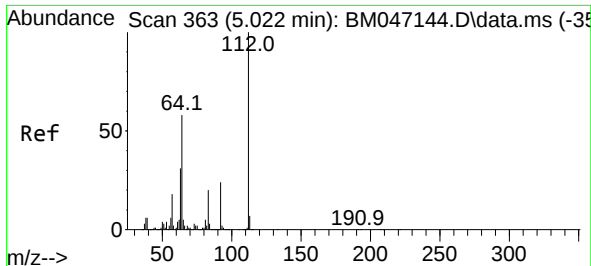


#4  
n-Nitrosodimethylamine  
Concen: 0.026 ng  
RT: 3.328 min Scan# 75  
Delta R.T. -0.000 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10



Tgt Ion: 42 Resp: 361  
Ion Ratio Lower Upper  
42 100  
74 19.2 112.9 169.3#  
44 382.3 5.3 7.9#

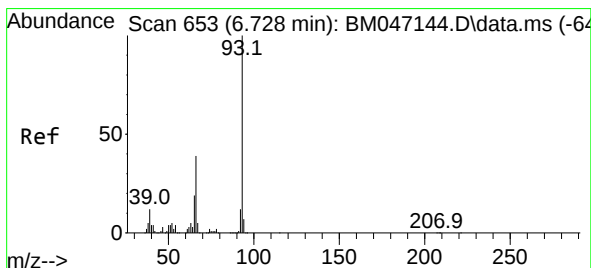
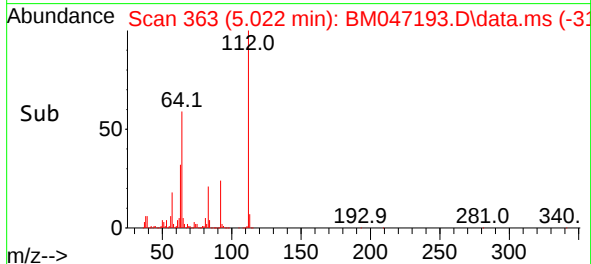
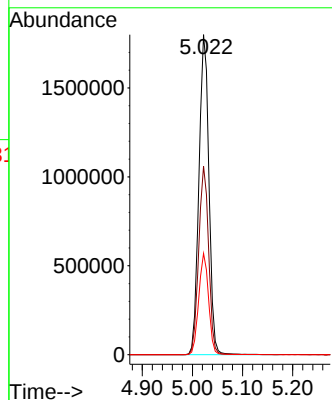
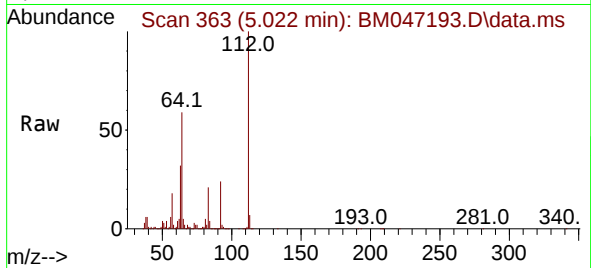




#5  
2-Fluorophenol  
Concen: 95.784 ng  
RT: 5.022 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

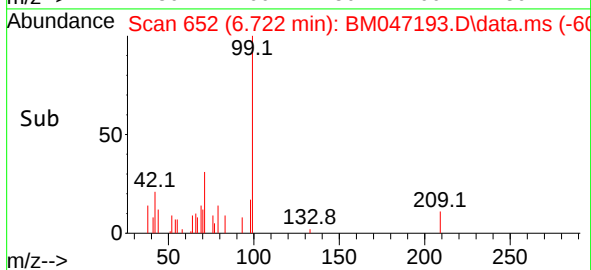
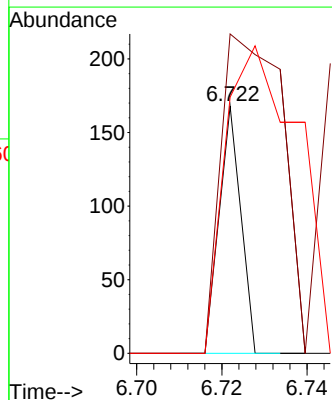
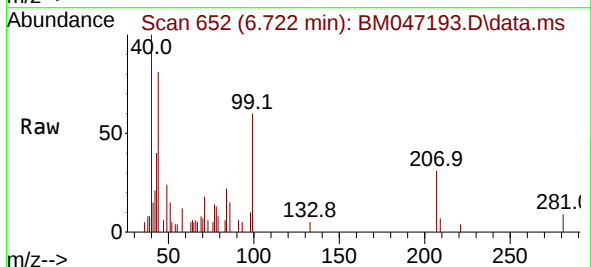
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

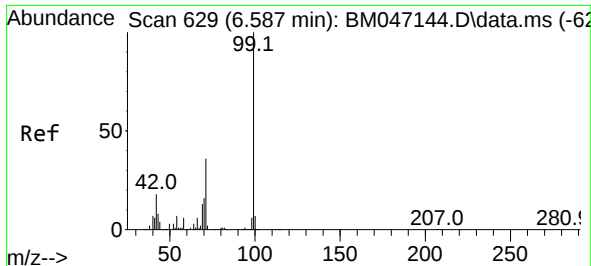
Tgt Ion:112 Resp: 2482382  
Ion Ratio Lower Upper  
112 100  
64 58.9 46.7 70.1  
63 31.6 24.8 37.2



#6  
Aniline  
Concen: 0.002 ng  
RT: 6.722 min Scan# 652  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 93 Resp: 59  
Ion Ratio Lower Upper  
93 100  
66 129.2 31.4 47.2#  
65 103.6 15.6 23.4#

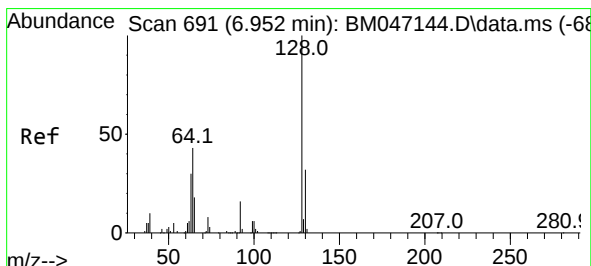
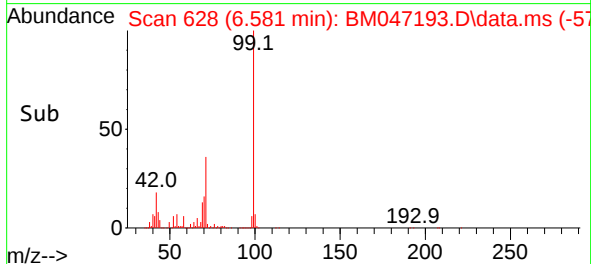
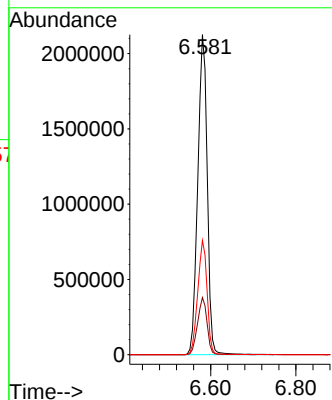
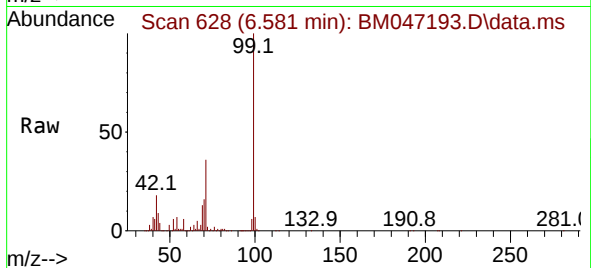




#7  
Phenol-d6  
Concen: 91.894 ng  
RT: 6.581 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

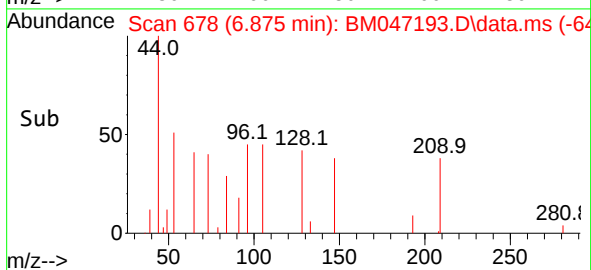
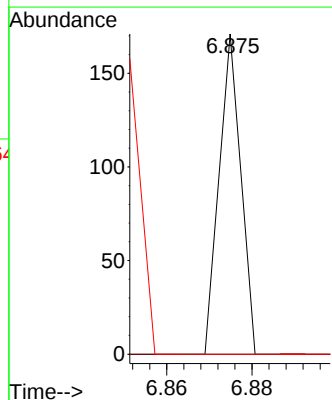
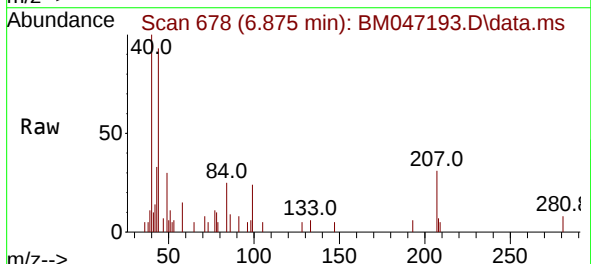
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

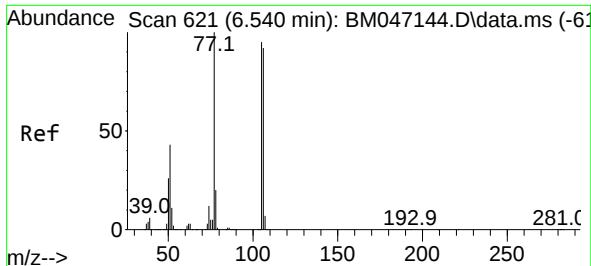
Tgt Ion: 99 Resp: 3281598  
Ion Ratio Lower Upper  
99 100  
42 17.8 14.1 21.1  
71 35.7 28.5 42.7



#8  
2-Chlorophenol  
Concen: 0.002 ng  
RT: 6.875 min Scan# 678  
Delta R.T. -0.077 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 128 Resp: 60  
Ion Ratio Lower Upper  
128 100  
130 0.0 12.1 52.1#  
64 0.0 26.6 66.6#

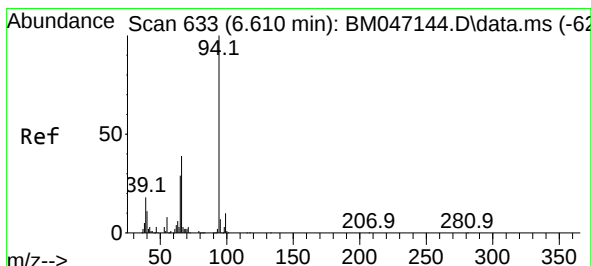
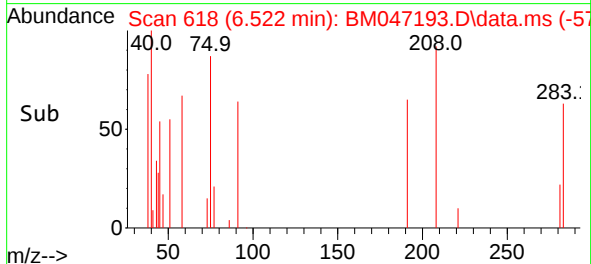
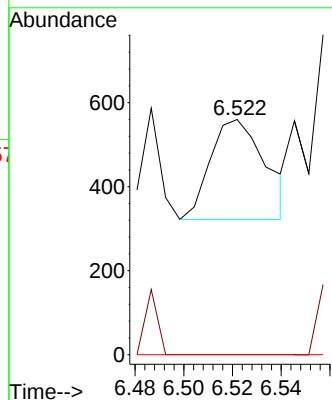
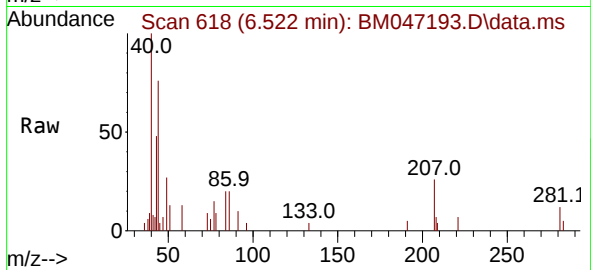




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.522 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

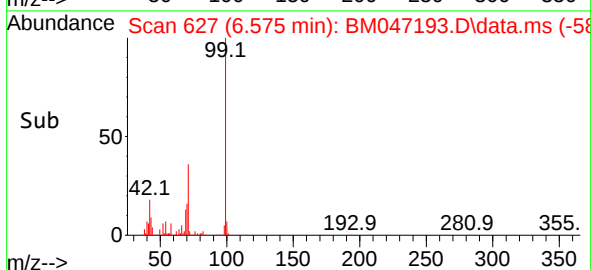
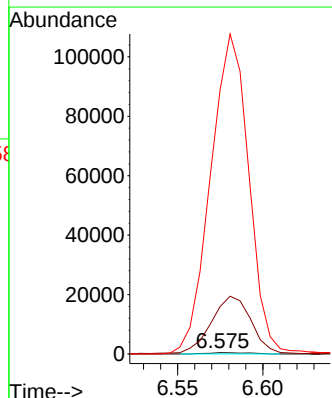
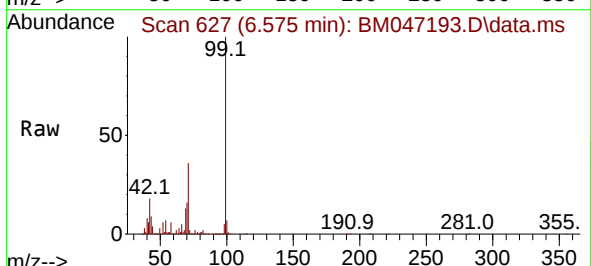
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

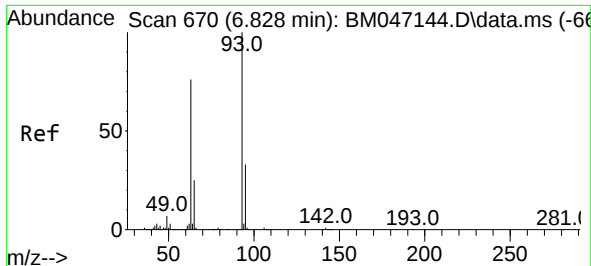
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Ion Ratio Lower Upper  
77 100  
105 0.0 74.5 114.5#  
106 0.0 72.3 112.3#



#10  
Phenol  
Concen: 0.019 ng  
RT: 6.575 min Scan# 627  
Delta R.T. -0.035 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 94 Resp: 685  
Ion Ratio Lower Upper  
94 100  
65 3655.0 9.0 49.0#  
66 20372.5 18.9 58.9#

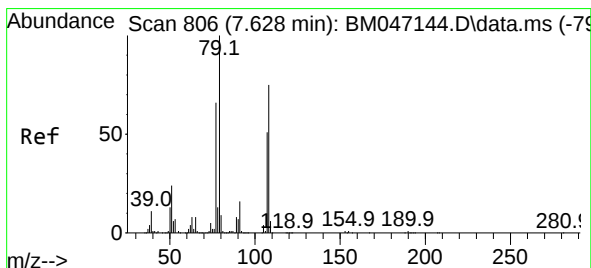
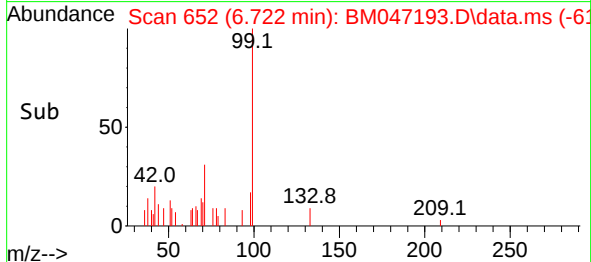
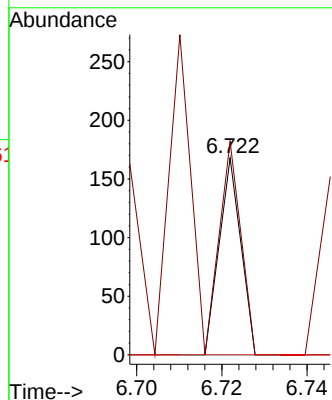
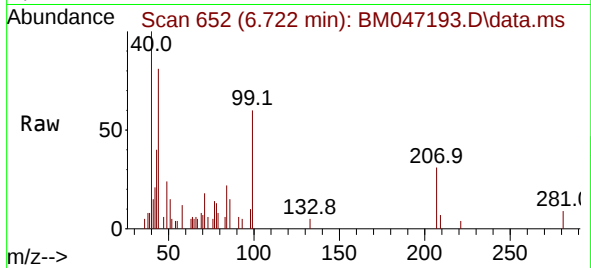




#11  
bis(2-Chloroethyl)ether  
Concen: 0.002 ng  
RT: 6.722 min Scan# 61  
Delta R.T. -0.106 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

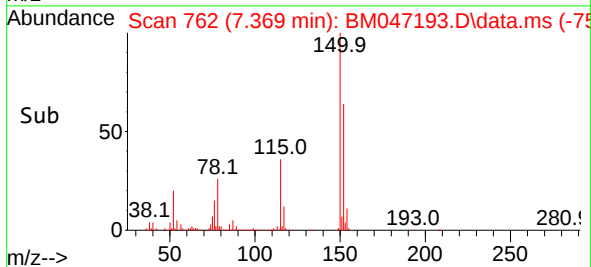
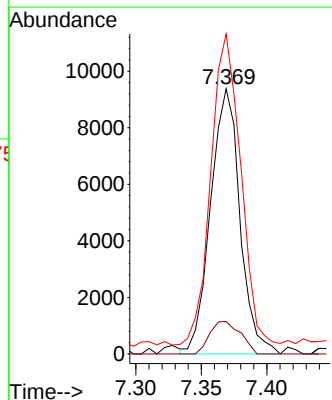
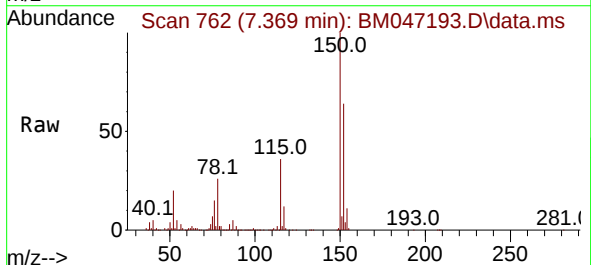
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

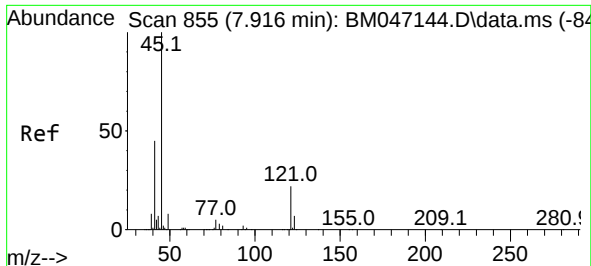
Tgt Ion: 93 Resp: 59  
Ion Ratio Lower Upper  
93 100  
63 108.3 55.8 95.8#  
95 0.0 12.7 52.7#



#15  
Benzyl Alcohol  
Concen: 0.574 ng  
RT: 7.369 min Scan# 762  
Delta R.T. -0.259 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 79 Resp: 14601  
Ion Ratio Lower Upper  
79 100  
108 12.2 59.7 89.5#  
77 120.7 52.9 79.3#

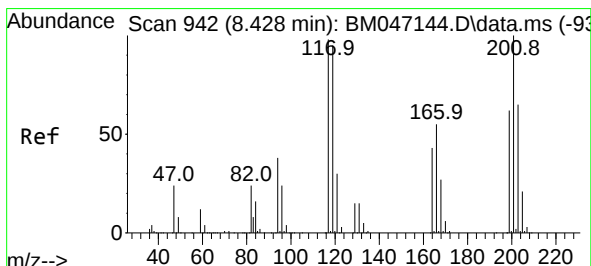
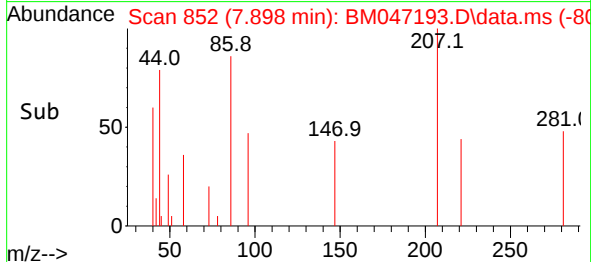
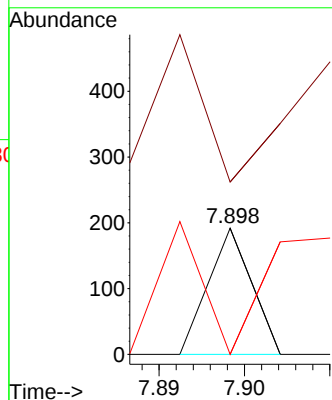
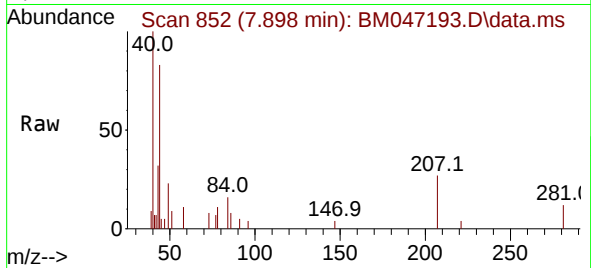




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.002 ng  
RT: 7.898 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

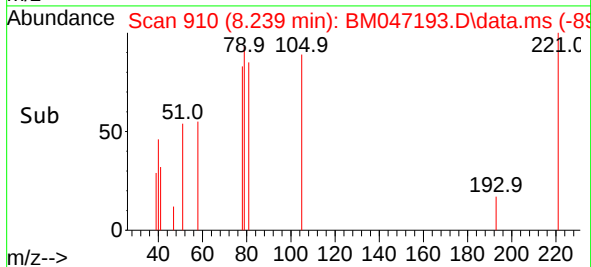
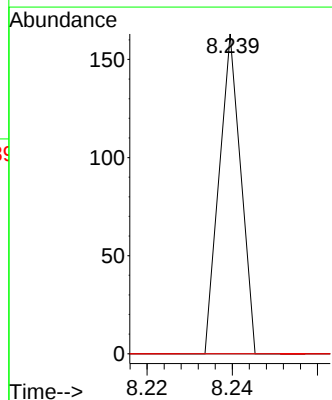
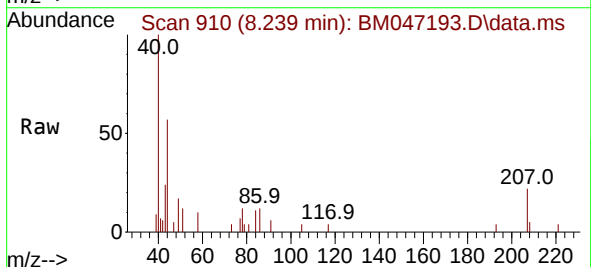
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

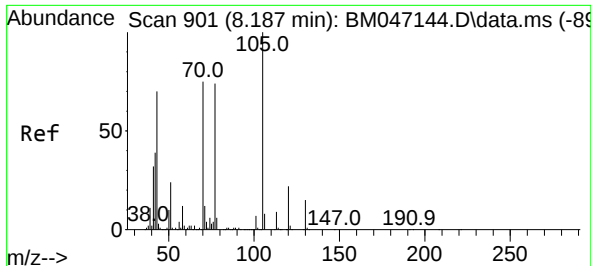
Tgt Ion: 45 Resp: 68  
Ion Ratio Lower Upper  
45 100  
77 136.5 0.0 35.6#  
79 0.0 0.0 32.4



#18  
Hexachloroethane  
Concen: 0.004 ng  
RT: 8.239 min Scan# 910  
Delta R.T. -0.188 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

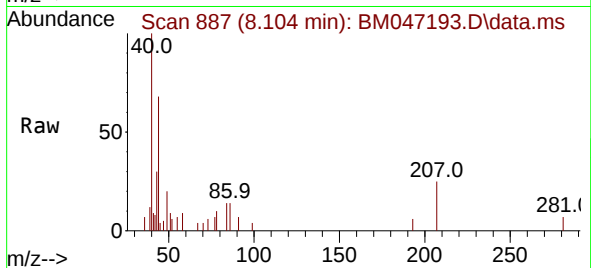
Tgt Ion: 117 Resp: 58  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.0 115.4#  
201 0.0 81.3 121.9#





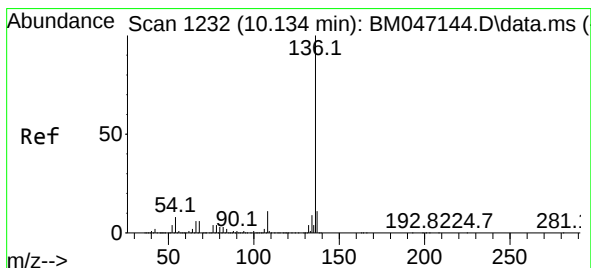
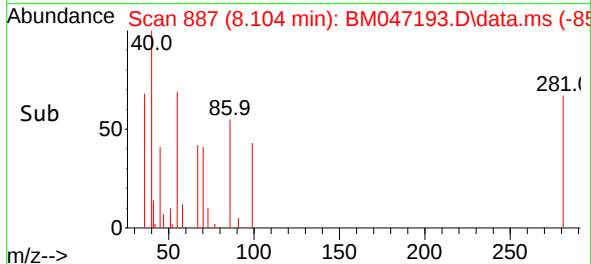
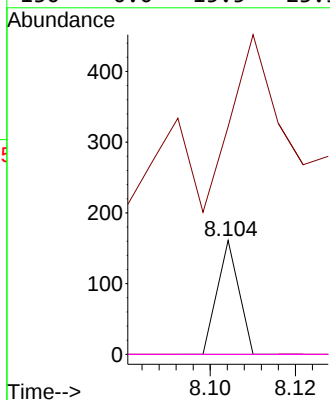
#19  
n-Nitroso-di-n-propylamine  
Concen: 0.002 ng  
RT: 8.104 min Scan# 81  
Delta R.T. -0.083 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL



Tgt Ion: 70 Resp: 57

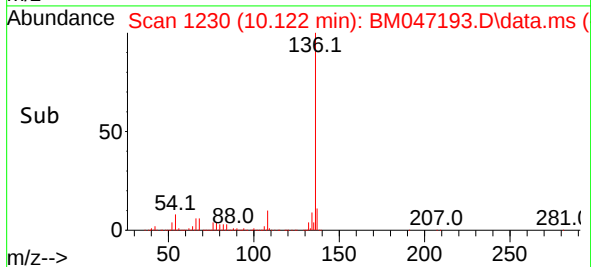
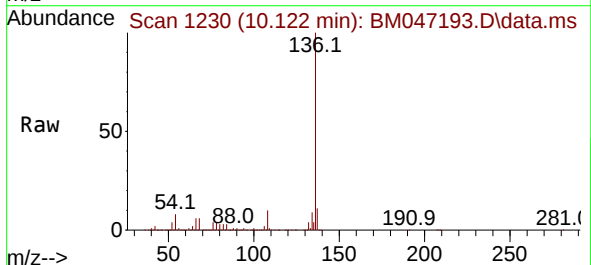
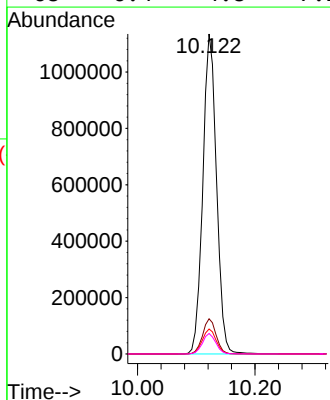
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 200.0 | 42.0  | 63.0# |
| 101 | 0.0   | 7.2   | 10.8# |
| 130 | 0.0   | 15.5  | 23.3# |

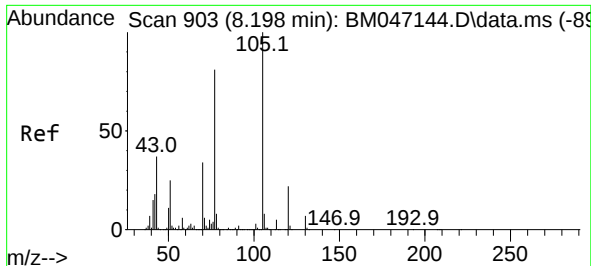


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.122 min Scan# 1230  
Delta R.T. -0.012 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 136 Resp: 1836037

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 7.8   | 6.0   | 9.0   |
| 68  | 6.4   | 4.8   | 7.2   |

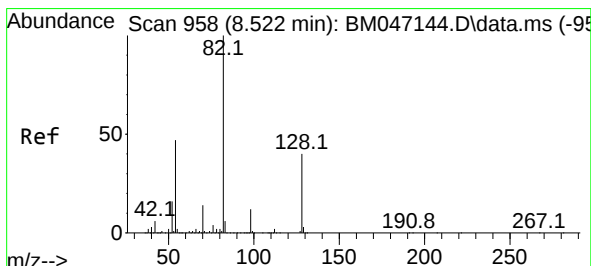
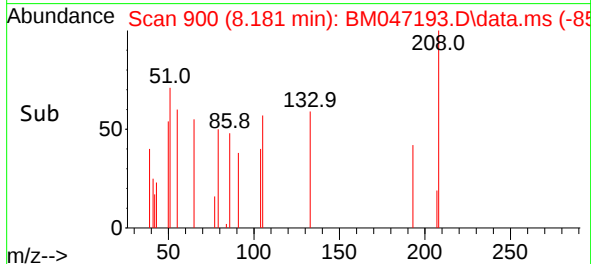
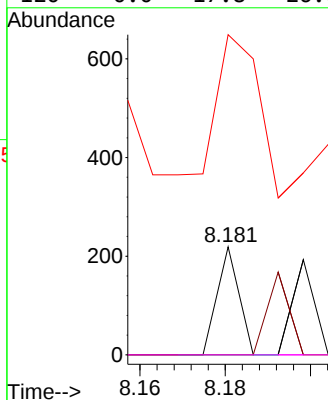
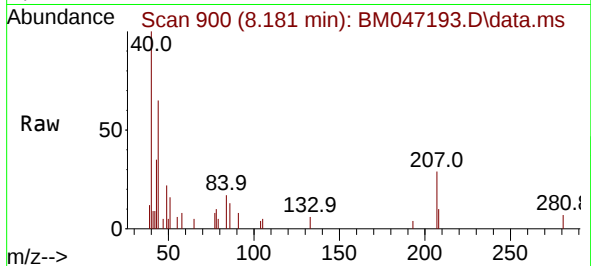




#22  
Acetophenone  
Concen: 0.002 ng  
RT: 8.181 min Scan# 903  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

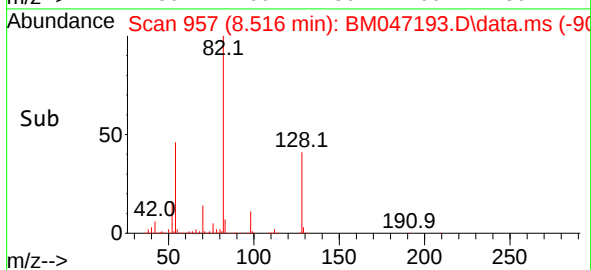
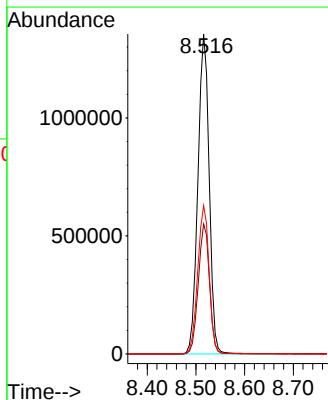
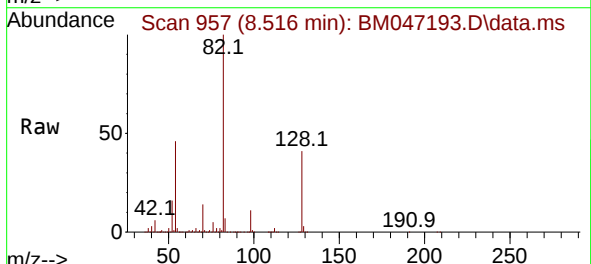
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

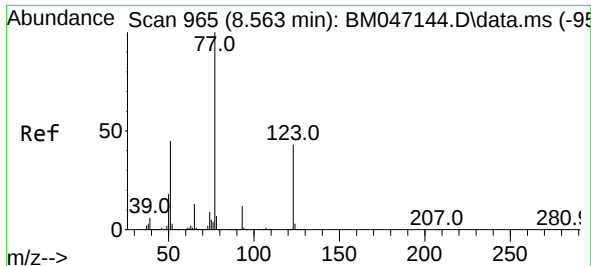
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 77    |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.0   | 4.5   | 6.7#  |
| 51       | 296.3 | 20.1  | 30.1# |
| 120      | 0.0   | 17.8  | 26.6# |



#23  
Nitrobenzene-d5  
Concen: 59.950 ng  
RT: 8.516 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 2185979 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 40.6  | 32.3  | 48.5    |
| 54       | 46.3  | 37.4  | 56.2    |

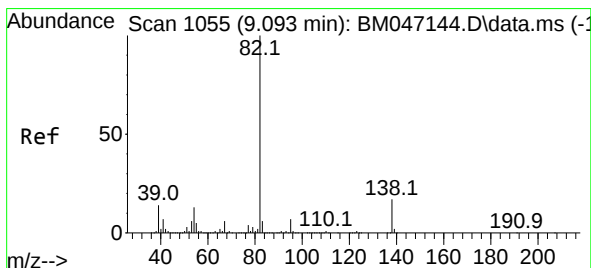
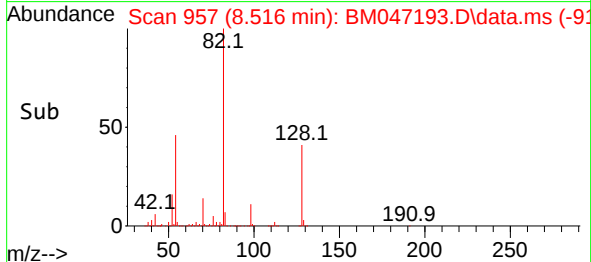
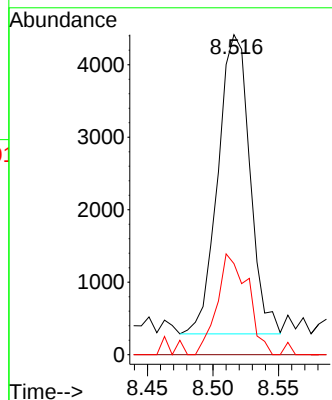
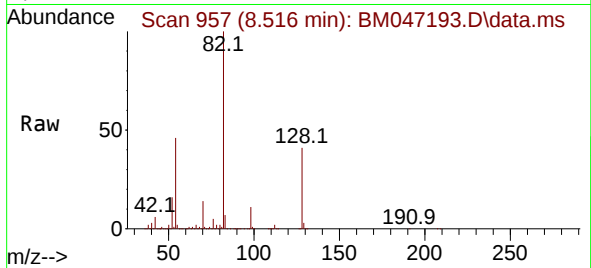




#24  
Nitrobenzene  
Concen: 0.190 ng  
RT: 8.516 min Scan# 91  
Delta R.T. -0.047 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

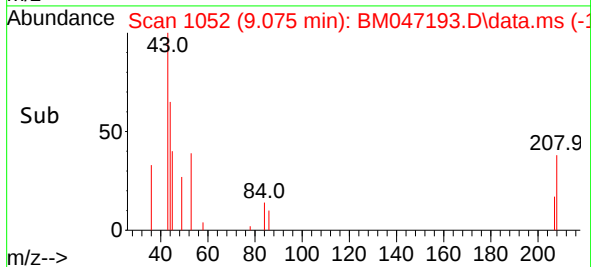
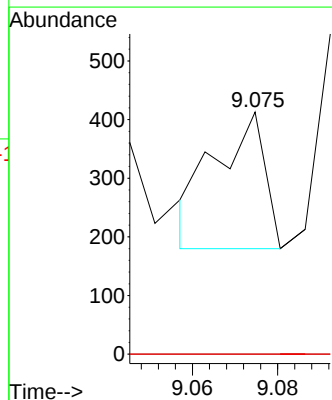
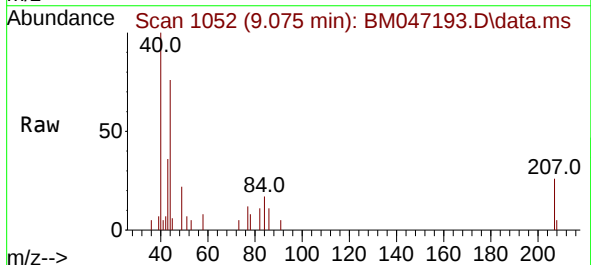
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

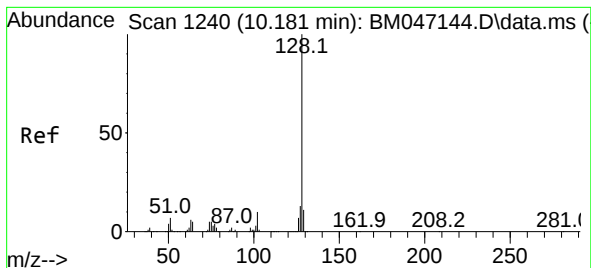
Tgt Ion: 77 Resp: 6979  
Ion Ratio Lower Upper  
77 100  
123 0.0 34.0 51.0#  
65 28.5 10.5 15.7#



#25  
Isophorone  
Concen: 0.003 ng  
RT: 9.075 min Scan# 1052  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 82 Resp: 189  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.5 20.3#

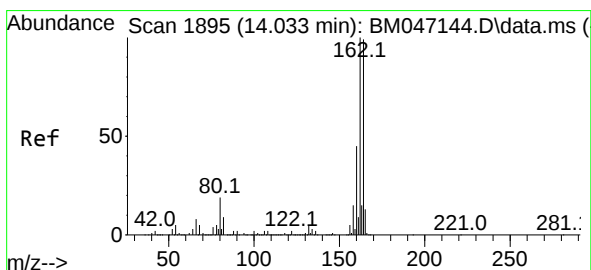
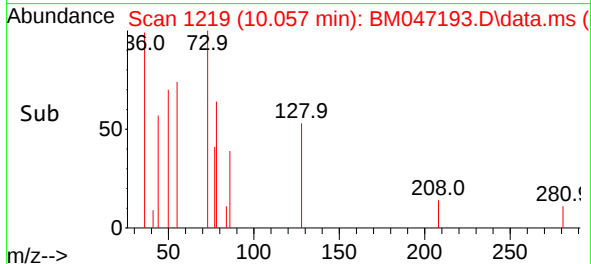
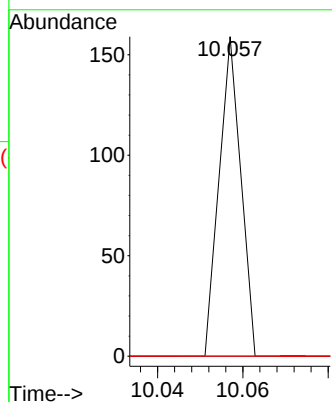
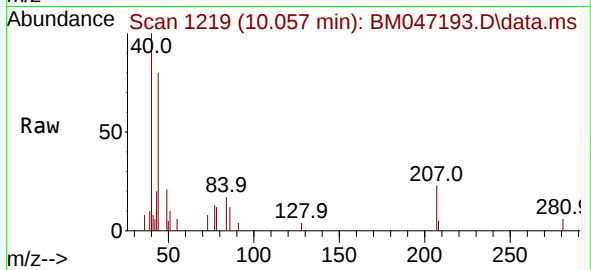




#31  
Naphthalene  
Concen: 0.001 ng  
RT: 10.057 min Scan# 11  
Delta R.T. -0.124 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

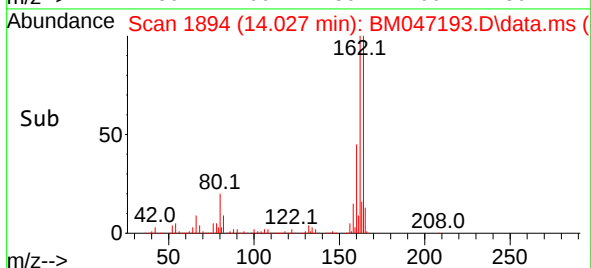
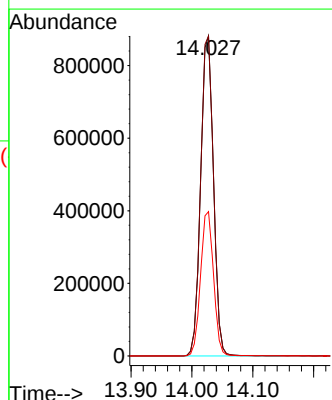
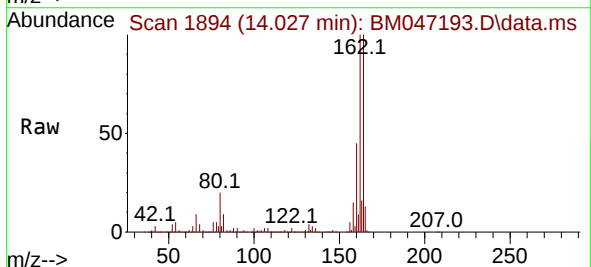
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

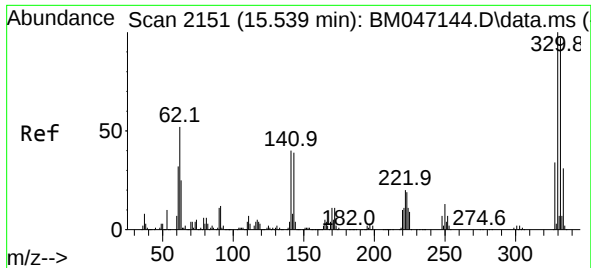
Tgt Ion:128 Resp: 56  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.6 13.0#  
127 0.0 10.2 15.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.027 min Scan# 1894  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion:164 Resp: 1289051  
Ion Ratio Lower Upper  
164 100  
162 100.1 80.7 121.1  
160 45.1 36.0 54.0



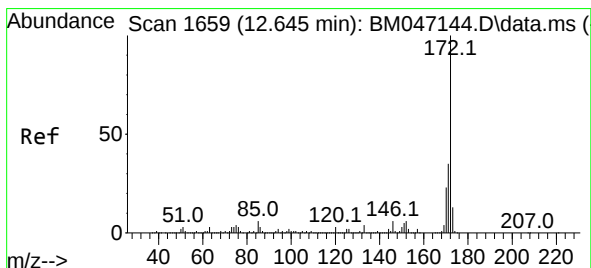
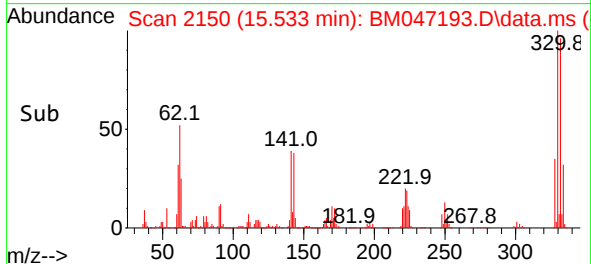
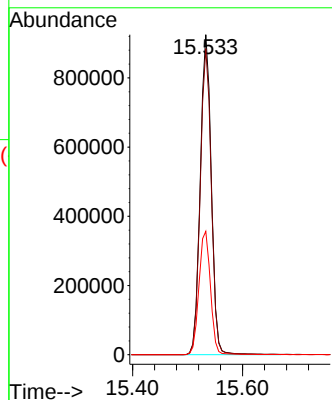
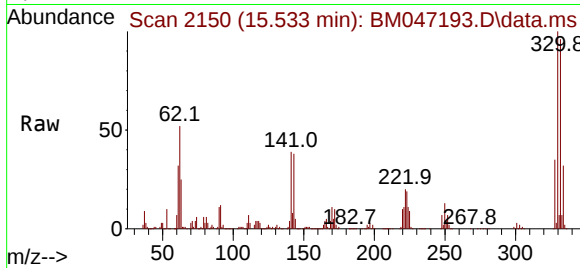


#42  
 2,4,6-Tribromophenol  
 Concen: 86.565 ng  
 RT: 15.533 min Scan# 2151  
 Delta R.T. -0.006 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB162602BL

Tgt Ion:330 Resp: 1293867  

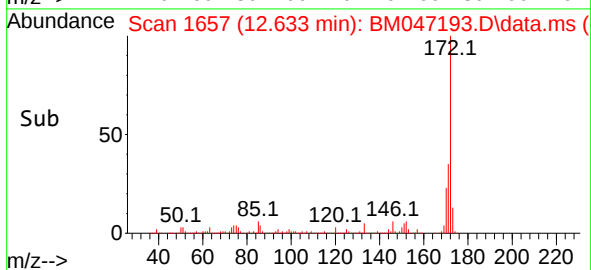
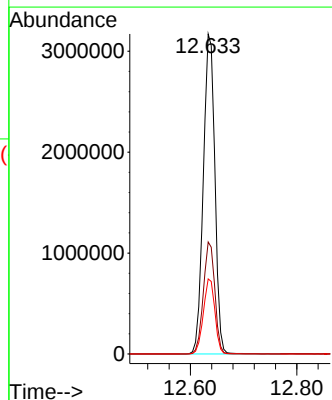
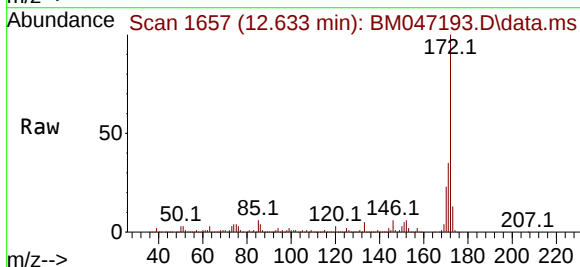
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.8  | 77.4  | 116.2 |
| 141 | 40.2  | 31.6  | 47.4  |

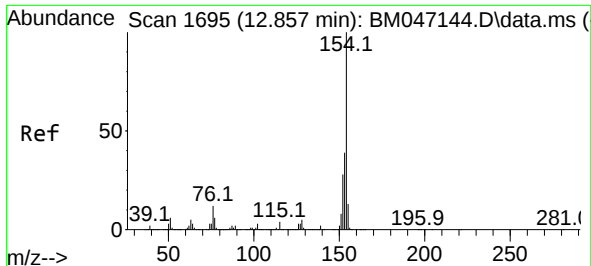


#45  
 2-Fluorobiphenyl  
 Concen: 57.217 ng  
 RT: 12.633 min Scan# 1657  
 Delta R.T. -0.012 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

Tgt Ion:172 Resp: 4781447  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.0  | 27.8  | 41.6  |
| 170 | 23.5  | 18.7  | 28.1  |

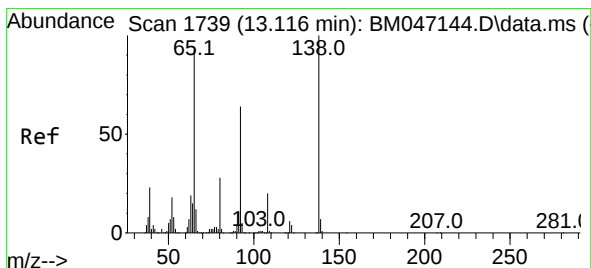
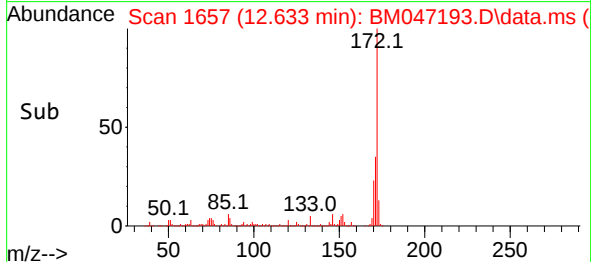
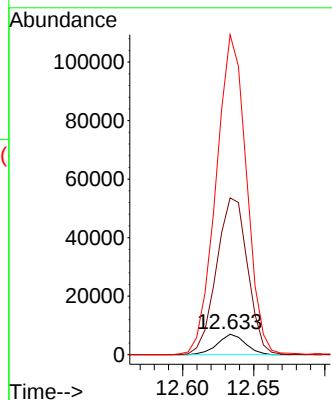
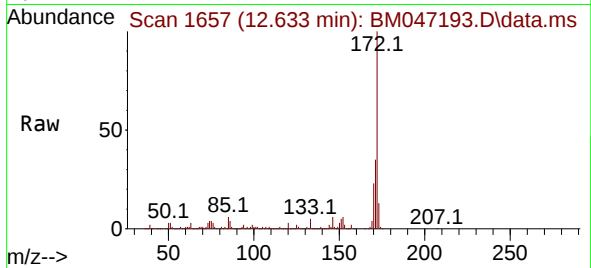




#46  
1,1'-Biphenyl  
Concen: 0.104 ng  
RT: 12.633 min Scan# 1  
Delta R.T. -0.224 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

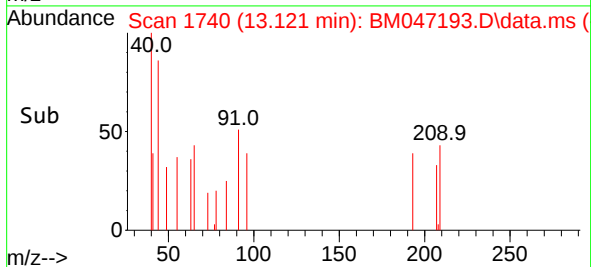
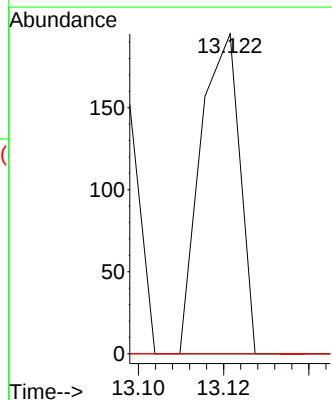
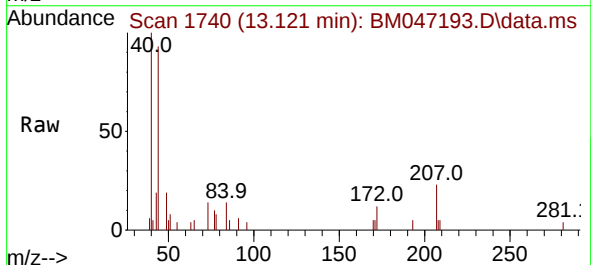
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

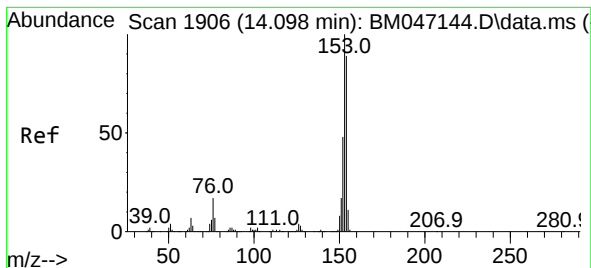
Tgt Ion:154 Resp: 9570  
Ion Ratio Lower Upper  
154 100  
153 766.7 19.0 59.0#  
76 1564.1 0.0 31.9#



#48  
2-Nitroaniline  
Concen: 0.006 ng  
RT: 13.121 min Scan# 1740  
Delta R.T. 0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion: 65 Resp: 124  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.1 82.7#  
138 0.0 85.9 128.9#





#52

Acenaphthene

Concen: 0.063 ng

RT: 14.021 min Scan# 1893

Delta R.T. -0.077 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

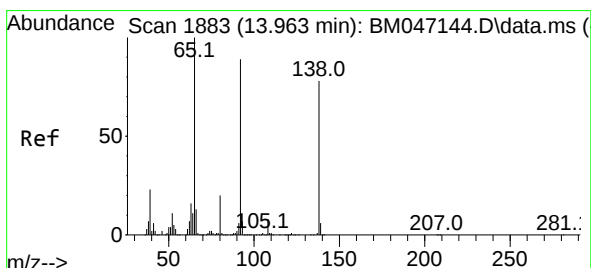
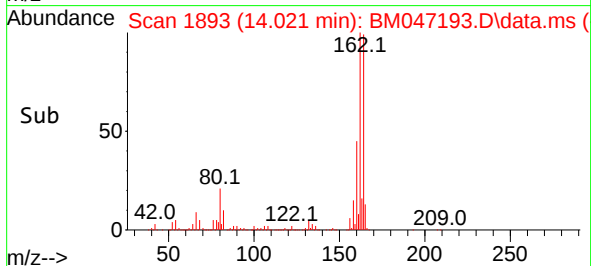
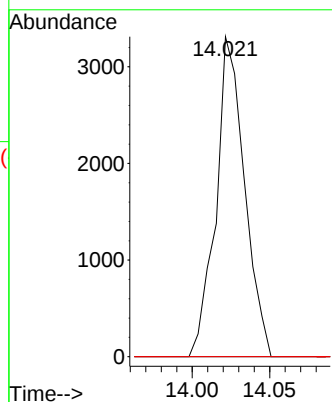
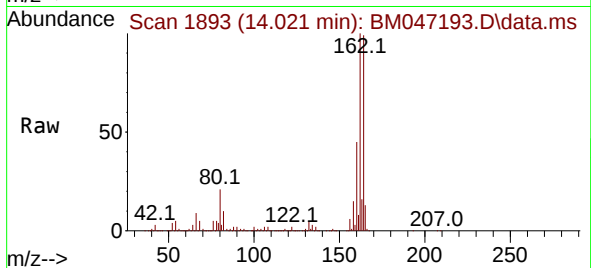
Tgt Ion:154 Resp: 4240

Ion Ratio Lower Upper

154 100

153 0.0 90.3 135.5#

152 0.0 42.9 64.3#



#53

3-Nitroaniline

Concen: 0.010 ng

RT: 14.027 min Scan# 1894

Delta R.T. 0.064 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

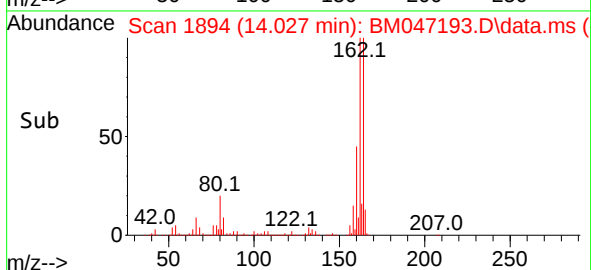
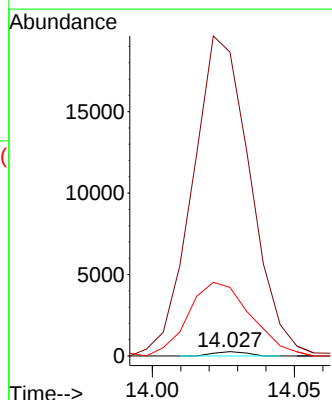
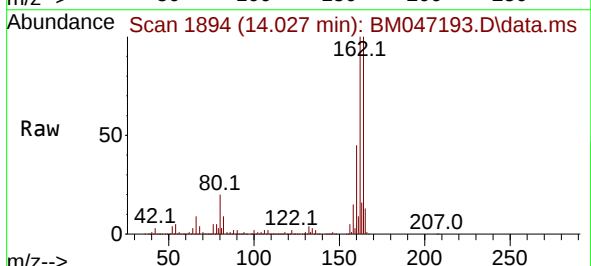
Tgt Ion:138 Resp: 215

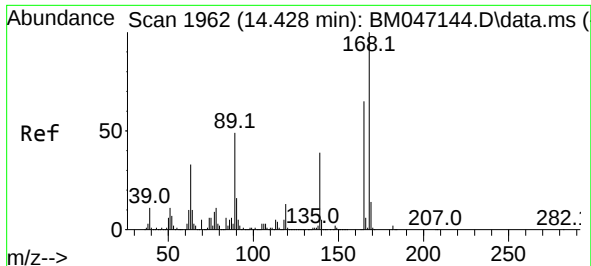
Ion Ratio Lower Upper

138 100

108 7093.5 7.9 11.9#

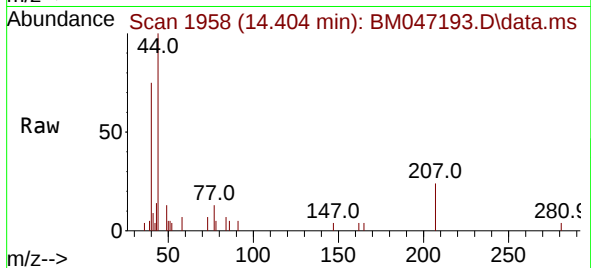
92 1602.7 92.0 138.0#



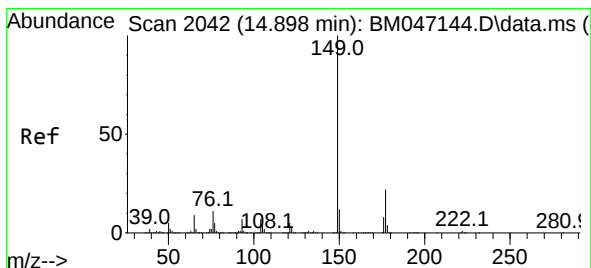
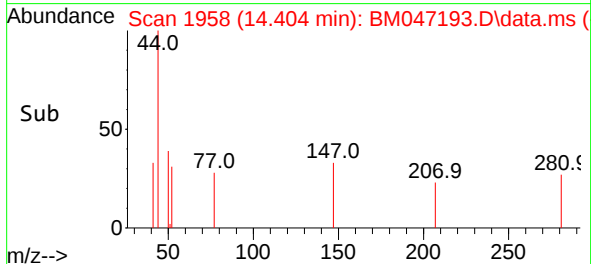
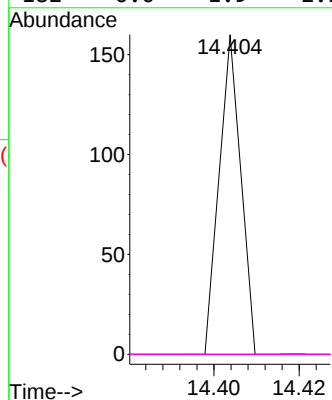


#57  
2,4-Dinitrotoluene  
Concen: 0.002 ng  
RT: 14.404 min Scan# 1958  
Delta R.T. -0.024 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

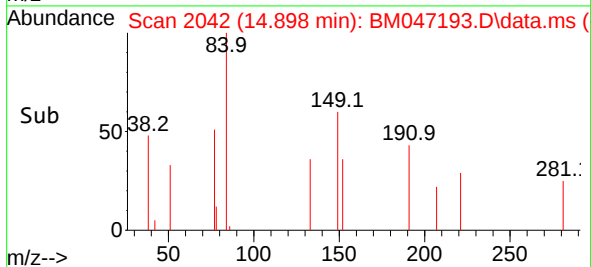
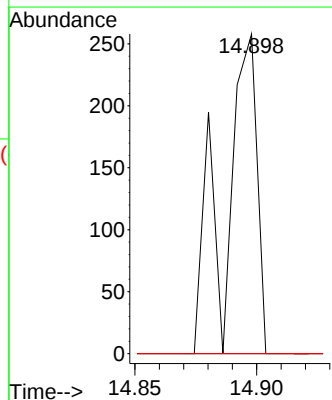
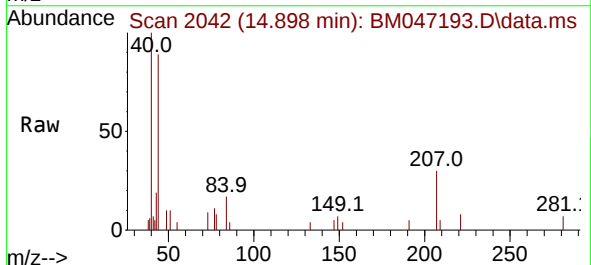


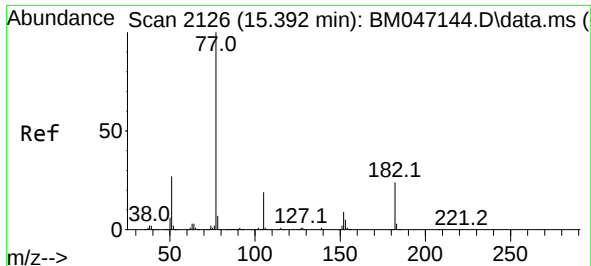
Tgt Ion:165 Resp: 56  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.3 60.5#  
89 0.0 61.0 91.6#  
182 0.0 1.9 2.9#



#60  
Diethylphthalate  
Concen: 0.003 ng  
RT: 14.898 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion:149 Resp: 236  
Ion Ratio Lower Upper  
149 100  
177 0.0 17.6 26.4#  
150 0.0 9.8 14.6#

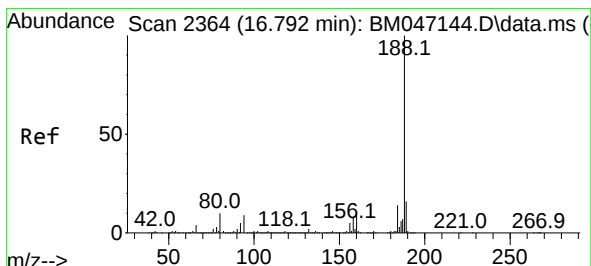
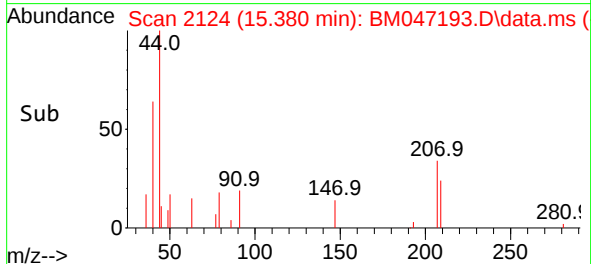
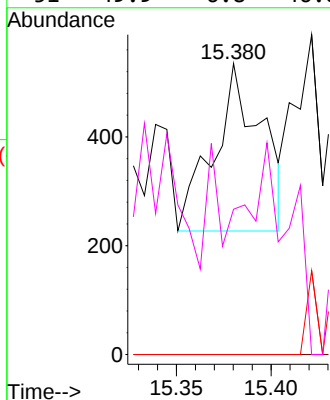
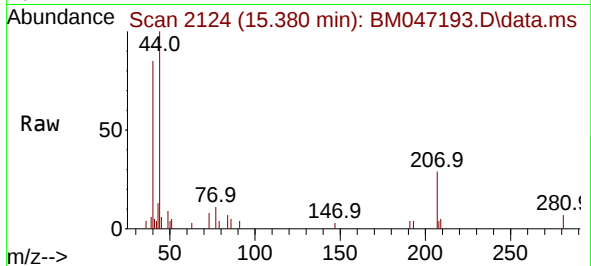




#63  
Azobenzene  
Concen: 0.006 ng  
RT: 15.380 min Scan# 2126  
Delta R.T. -0.012 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

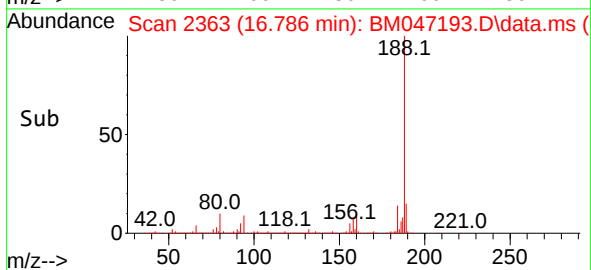
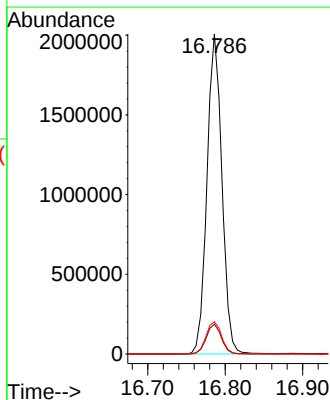
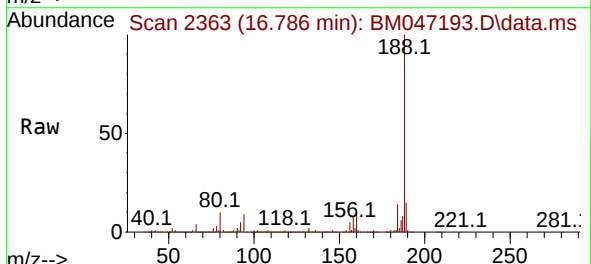
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

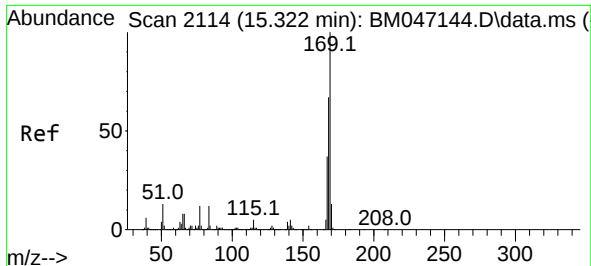
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 537   |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 0.0     | 3.8 43.8#   |
| 105 0.0     | 0.0 39.5    |
| 51 49.9     | 6.8 46.8#   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.786 min Scan# 2363  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

|              |               |
|--------------|---------------|
| Tgt Ion: 188 | Resp: 2686004 |
| Ion Ratio    | Lower Upper   |
| 188 100      |               |
| 94 9.3       | 7.0 10.6      |
| 80 10.1      | 8.0 12.0      |

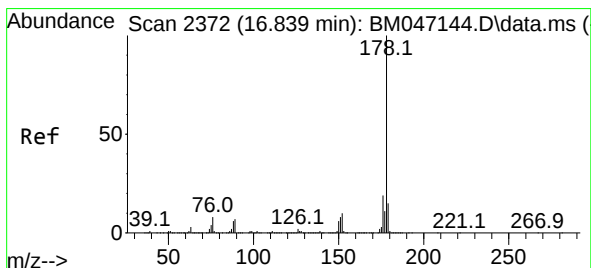
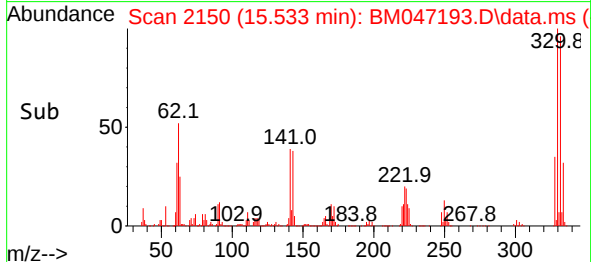
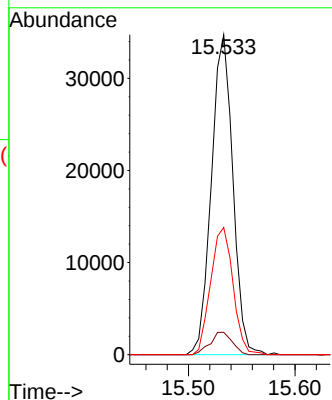
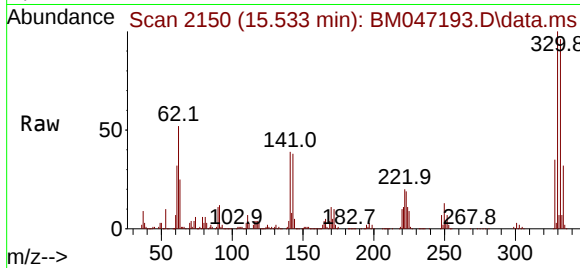




#66  
 n-Nitrosodiphenylamine  
 Concen: 0.664 ng  
 RT: 15.533 min Scan# 2114  
 Delta R.T. 0.212 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

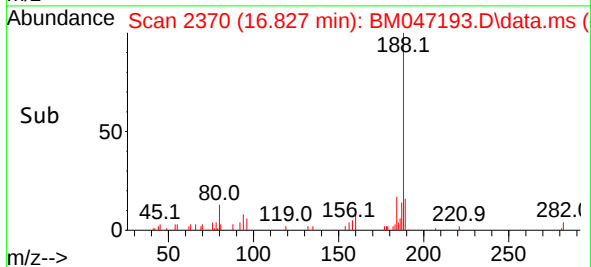
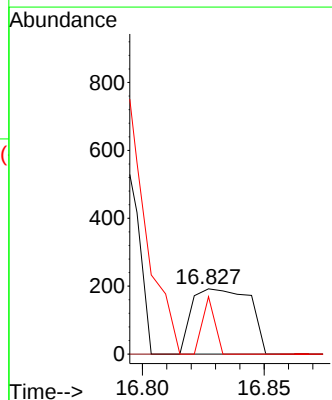
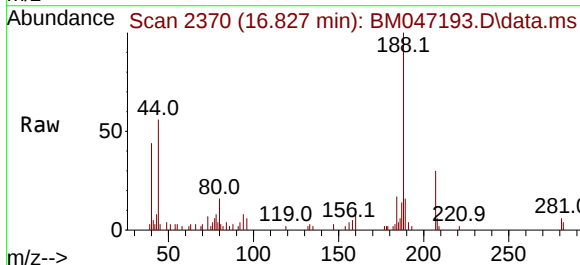
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB162602BL

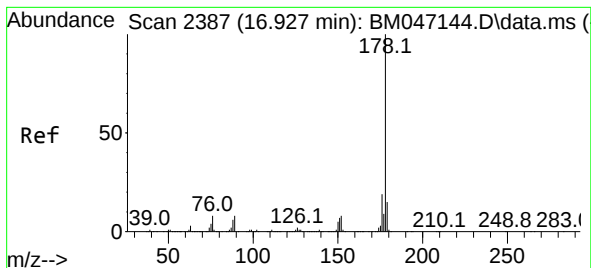
Tgt Ion:169 Resp: 48607  
 Ion Ratio Lower Upper  
 169 100  
 168 7.0 53.8 80.8#  
 167 39.8 29.3 43.9



#71  
 Phenanthrene  
 Concen: 0.002 ng  
 RT: 16.827 min Scan# 2370  
 Delta R.T. -0.012 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

Tgt Ion:178 Resp: 317  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 15.3 22.9#  
 179 88.0 12.4 18.6#





#72

Anthracene

Concen: 0.000 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047193.D

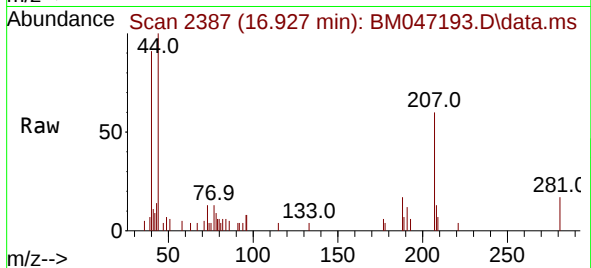
Acq: 14 Aug 2024 16:10

Instrument :

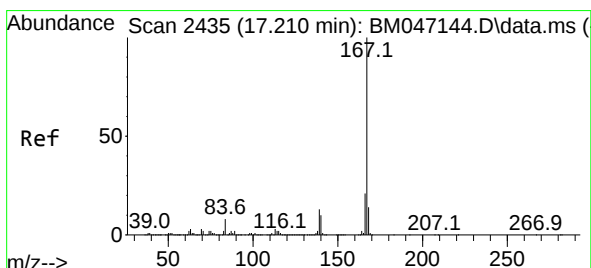
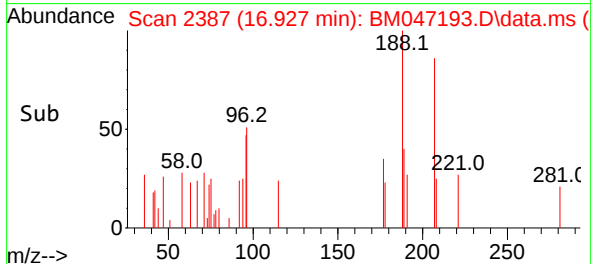
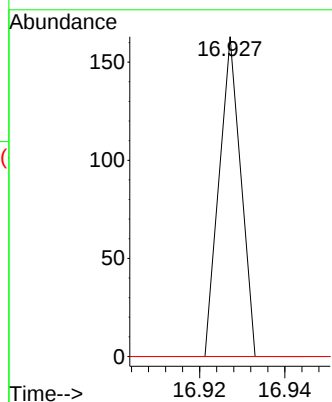
BNA\_M

ClientSampleId :

PB162602BL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 58    |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 0.0   | 14.8  | 22.2# |
| 179      | 0.0   | 12.4  | 18.6# |



#73

Carbazole

Concen: 0.000 ng

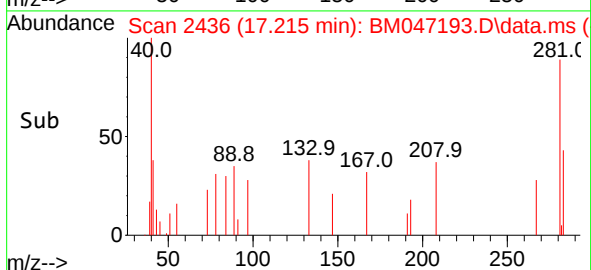
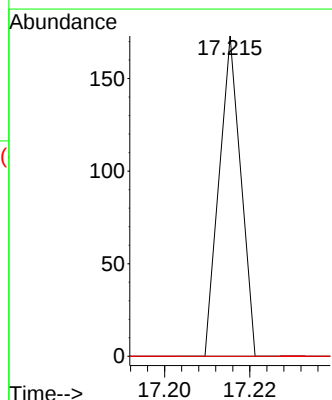
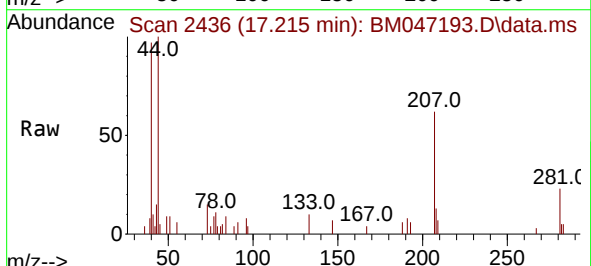
RT: 17.215 min Scan# 2436

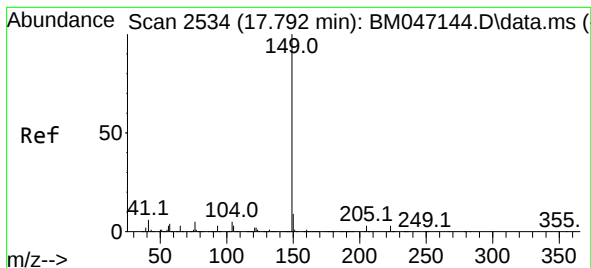
Delta R.T. 0.006 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 167   | Resp: | 61    |
| Ion      | Ratio | Lower | Upper |
| 167      | 100   |       |       |
| 166      | 0.0   | 17.1  | 25.7# |
| 139      | 0.0   | 10.0  | 15.0# |





#74

Di-n-butylphthalate

Concen: 0.009 ng

RT: 17.798 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

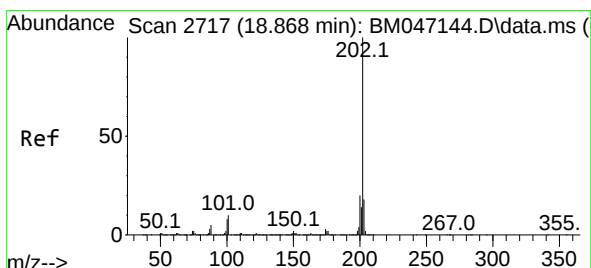
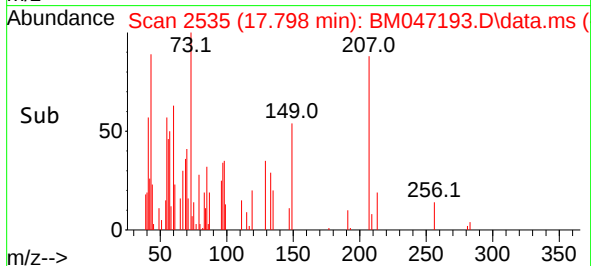
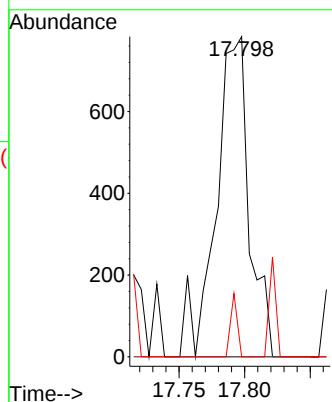
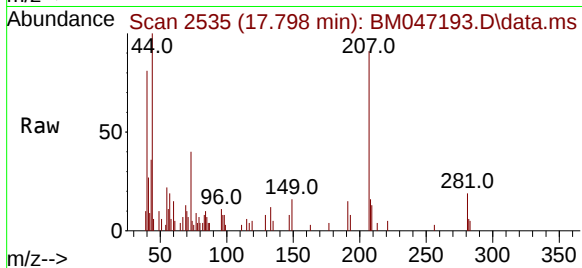
Tgt Ion:149 Resp: 1379

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 4.1 6.1#



#75

Fluoranthene

Concen: 0.002 ng

RT: 18.868 min Scan# 2717

Delta R.T. -0.000 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

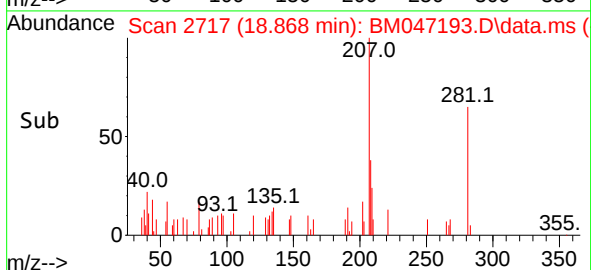
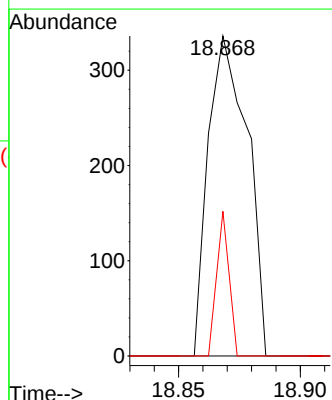
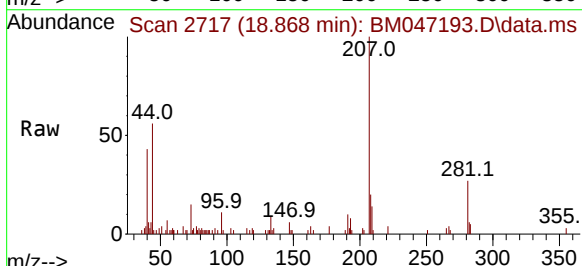
Tgt Ion:202 Resp: 376

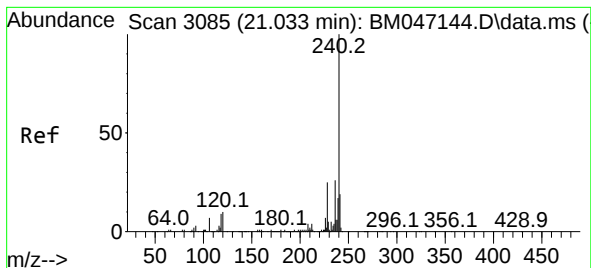
Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.2

203 45.2 0.0 37.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

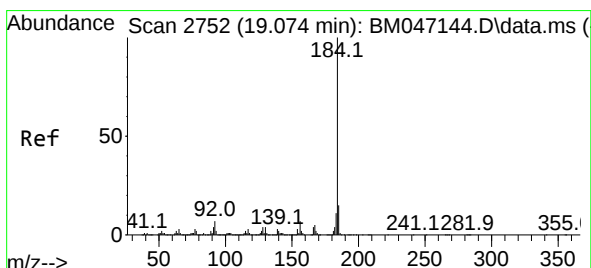
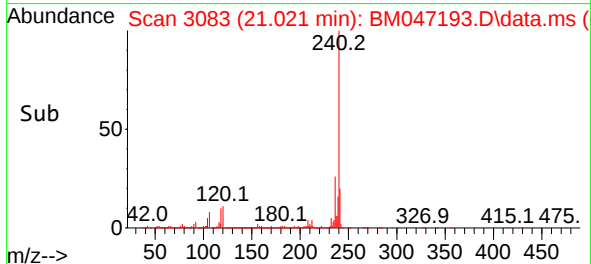
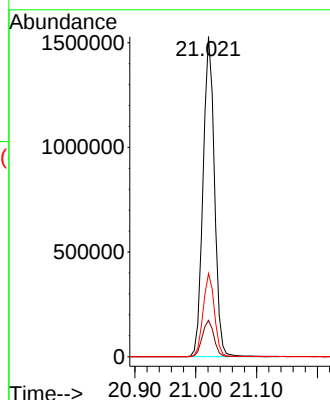
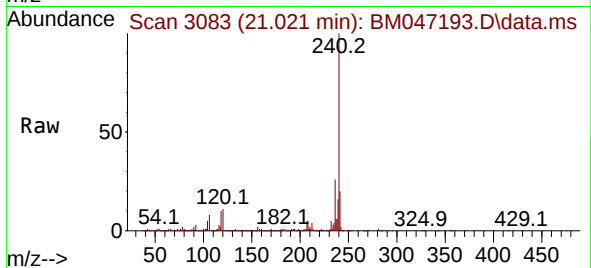
Tgt Ion:240 Resp: 1987908

Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.2

236 26.0 20.6 30.8



#77

Benzidine

Concen: 0.024 ng

RT: 19.098 min Scan# 2756

Delta R.T. 0.023 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

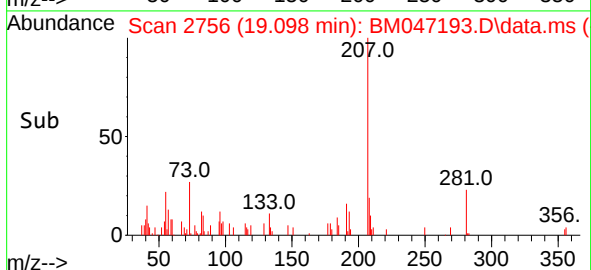
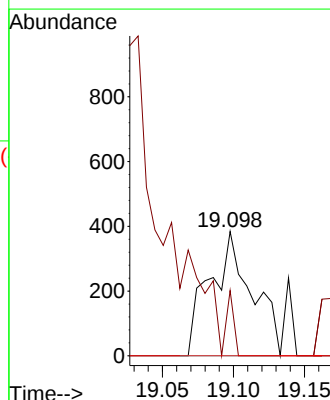
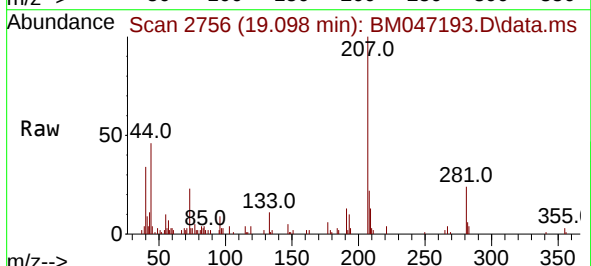
Tgt Ion:184 Resp: 797

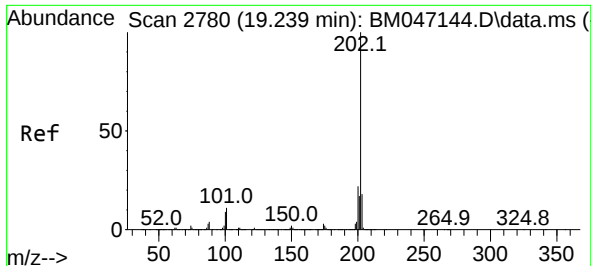
Ion Ratio Lower Upper

184 100

185 52.6 11.8 17.6#

183 0.0 9.0 13.6#

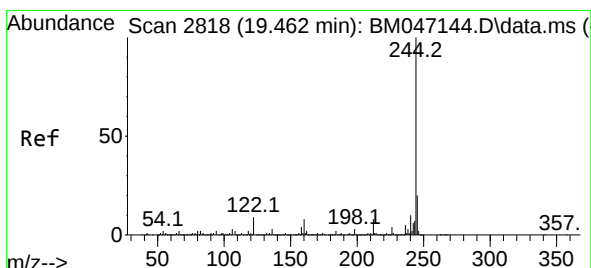
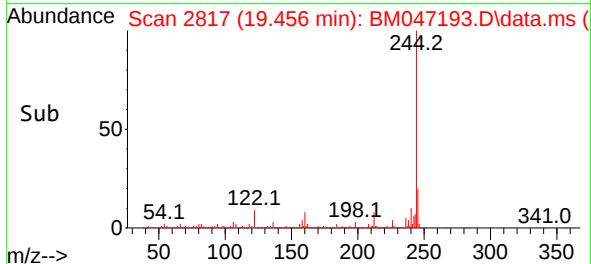
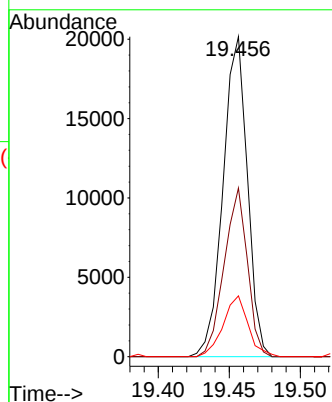
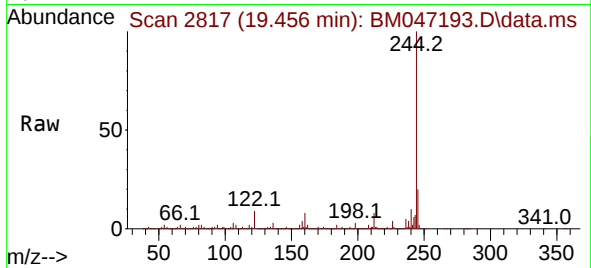




#78  
 Pyrene  
 Concen: 0.169 ng  
 RT: 19.456 min Scan# 21  
 Delta R.T. 0.217 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

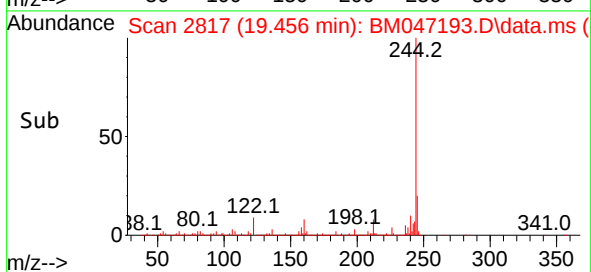
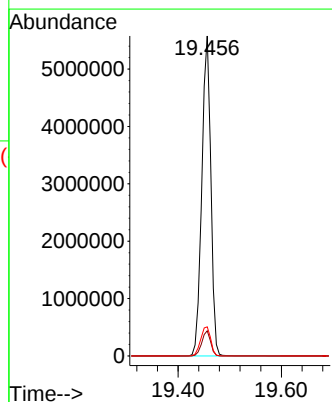
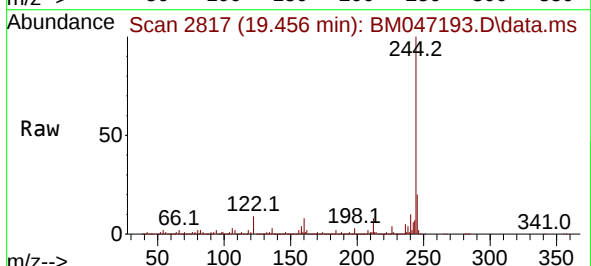
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB162602BL

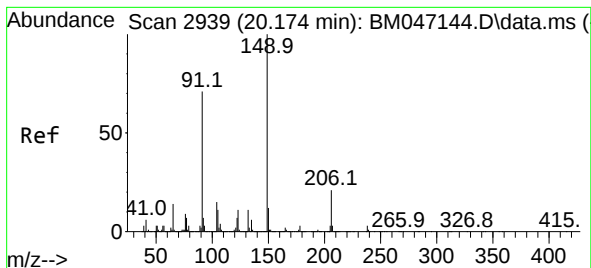
Tgt Ion:202 Resp: 23987  
 Ion Ratio Lower Upper  
 202 100  
 200 52.7 17.2 25.8#  
 203 19.0 14.2 21.2



#79  
 Terphenyl-d14  
 Concen: 72.777 ng  
 RT: 19.456 min Scan# 2817  
 Delta R.T. -0.006 min  
 Lab File: BM047193.D  
 Acq: 14 Aug 2024 16:10

Tgt Ion:244 Resp: 6751724  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.2 9.4  
 122 9.1 7.1 10.7





#80

Butylbenzylphthalate

Concen: 0.006 ng

RT: 20.174 min Scan# 2939

Delta R.T. -0.000 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

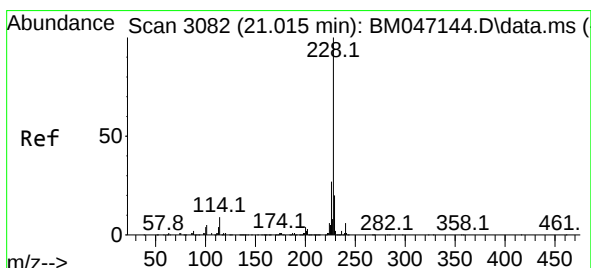
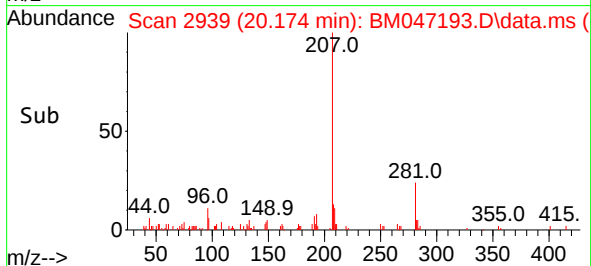
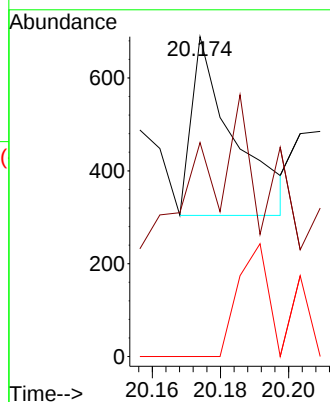
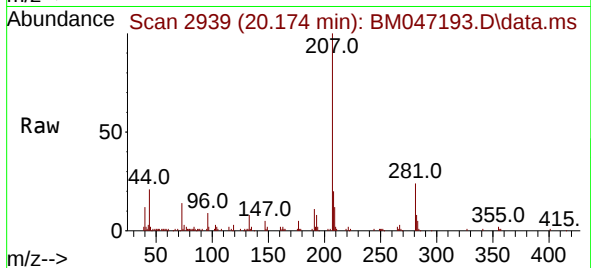
Tgt Ion:149 Resp: 333

Ion Ratio Lower Upper

149 100

91 66.9 57.0 85.4

206 0.0 16.4 24.6#



#81

Benzo(a)anthracene

Concen: 0.010 ng

RT: 21.056 min Scan# 3089

Delta R.T. 0.041 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

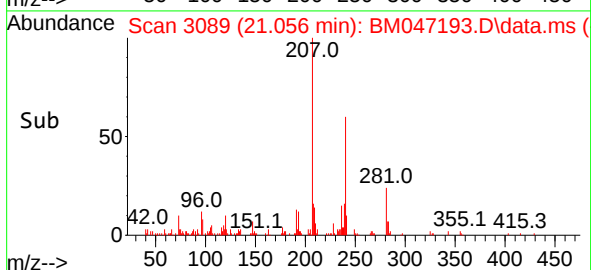
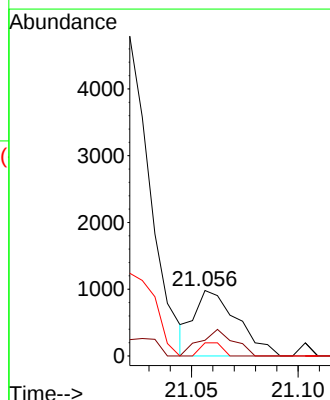
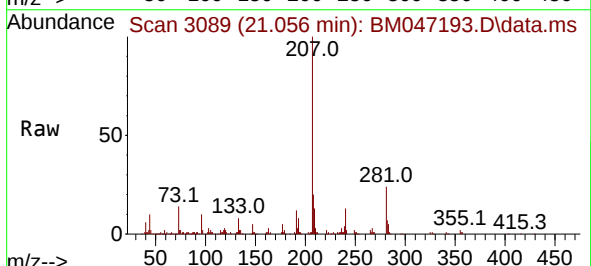
Tgt Ion:228 Resp: 1380

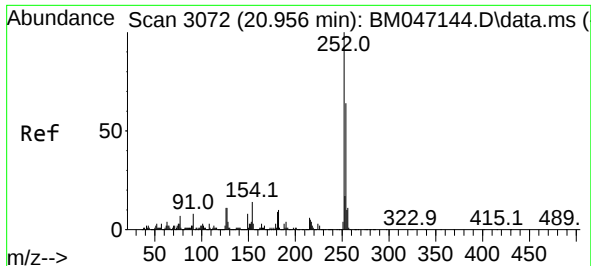
Ion Ratio Lower Upper

228 100

226 24.0 21.8 32.6

229 20.1 15.8 23.8

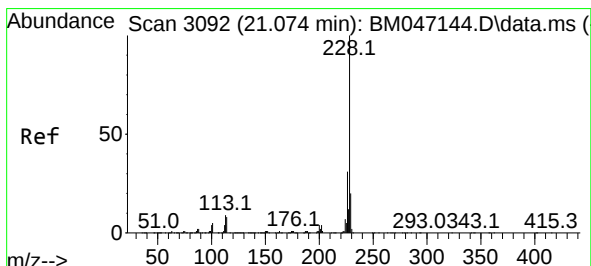
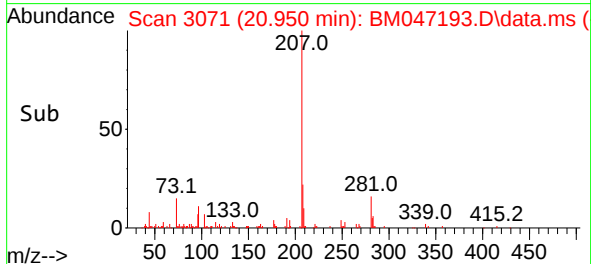
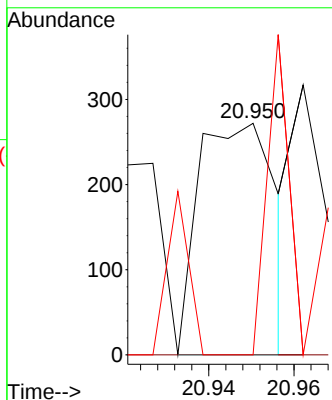
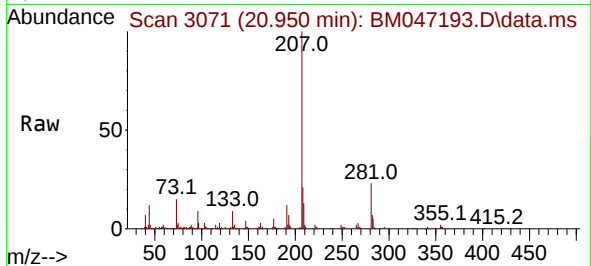




#82  
3,3'-Dichlorobenzidine  
Concen: 0.008 ng  
RT: 20.950 min Scan# 3072  
Delta R.T. -0.006 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

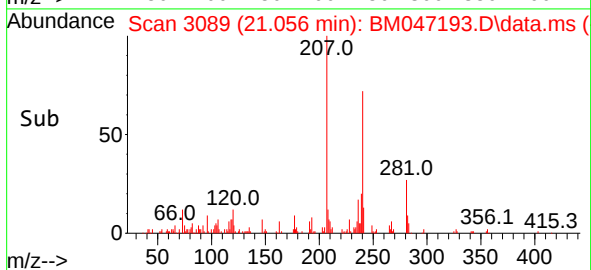
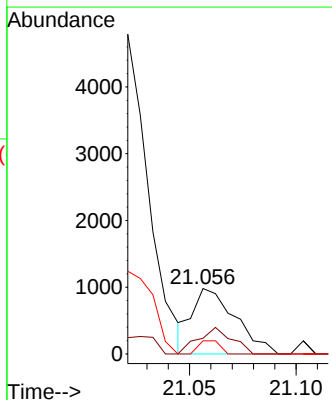
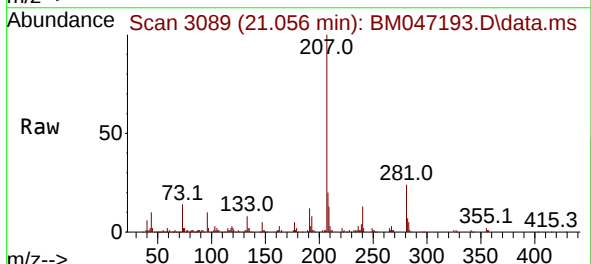
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

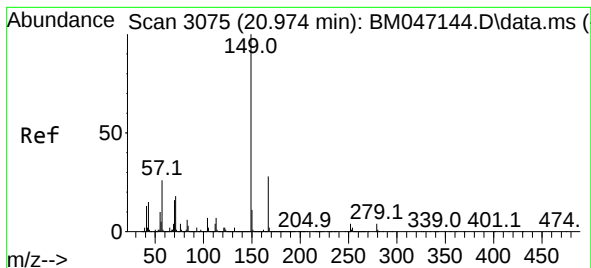
Tgt Ion:252 Resp: 344  
Ion Ratio Lower Upper  
252 100  
254 0.0 51.0 76.6#  
126 0.0 8.5 12.7#



#83  
Chrysene  
Concen: 0.011 ng  
RT: 21.056 min Scan# 3089  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion:228 Resp: 1380  
Ion Ratio Lower Upper  
228 100  
226 24.0 24.4 36.6#  
229 20.1 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.021 ng

RT: 20.968 min Scan# 3074

Delta R.T. -0.006 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

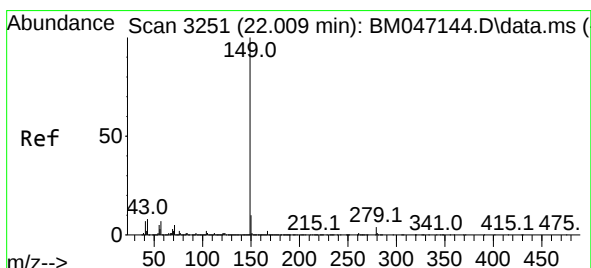
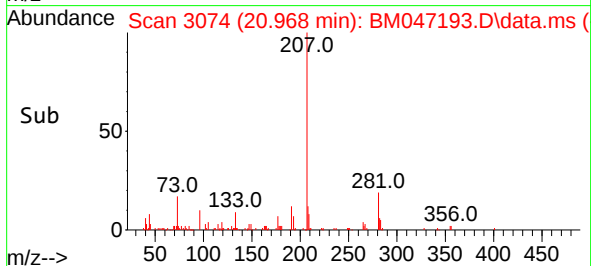
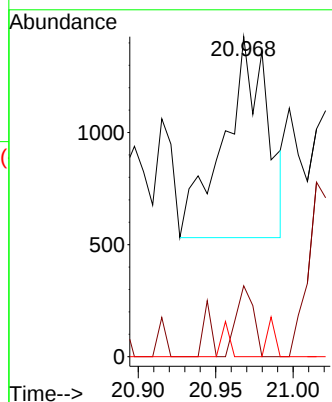
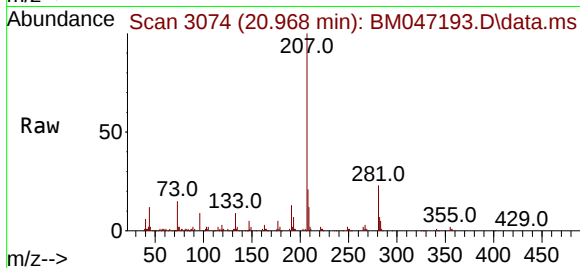
Tgt Ion:149 Resp: 1761

Ion Ratio Lower Upper

149 100

167 22.1 22.2 33.2#

279 0.0 3.0 4.4#



#85

Di-n-octyl phthalate

Concen: 0.002 ng

RT: 22.009 min Scan# 3251

Delta R.T. -0.000 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

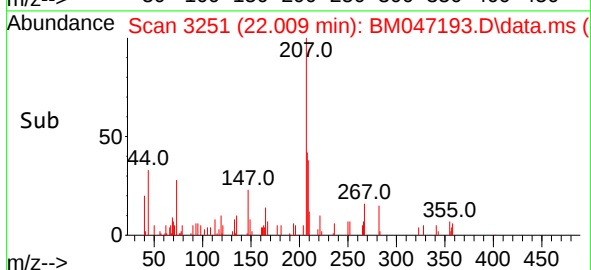
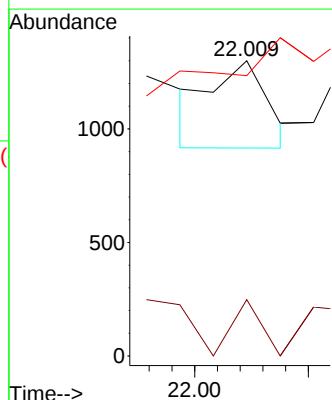
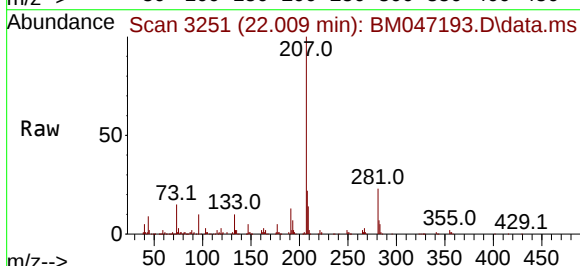
Tgt Ion:149 Resp: 260

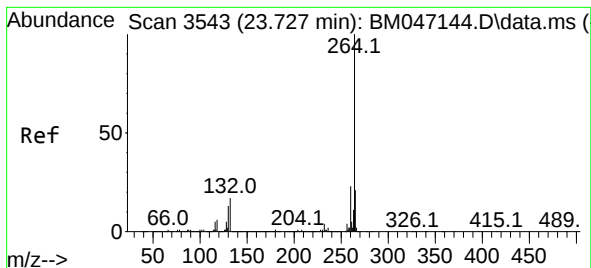
Ion Ratio Lower Upper

149 100

167 33.8 1.3 1.9#

43 0.0 6.9 10.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL

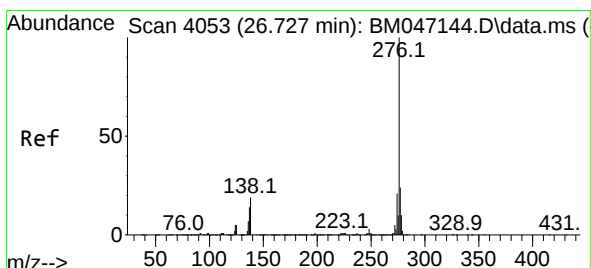
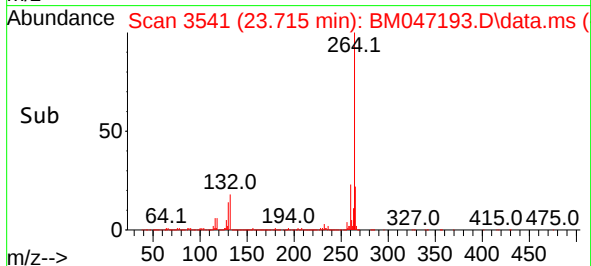
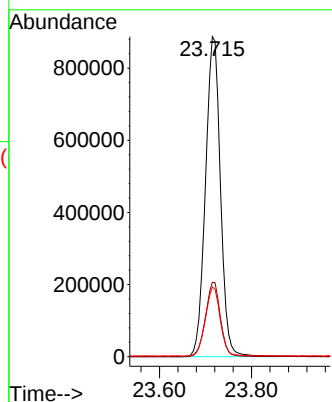
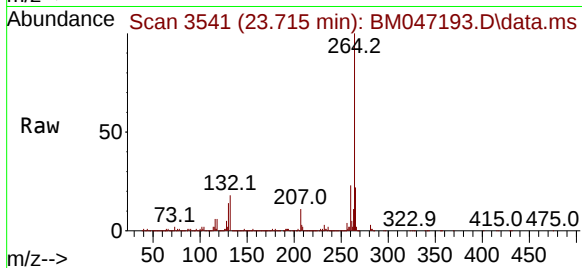
Tgt Ion:264 Resp: 2013715

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 26.703 min Scan# 4049

Delta R.T. -0.024 min

Lab File: BM047193.D

Acq: 14 Aug 2024 16:10

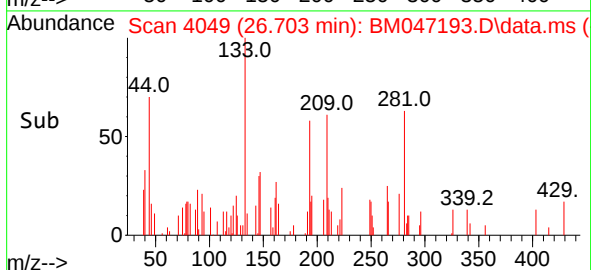
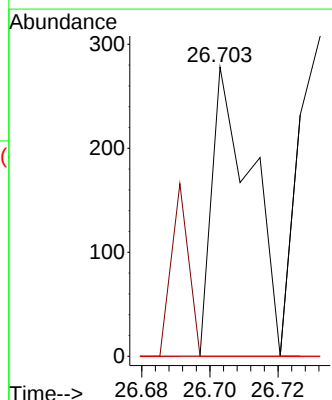
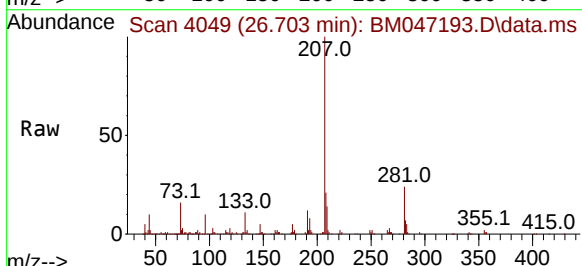
Tgt Ion:276 Resp: 225

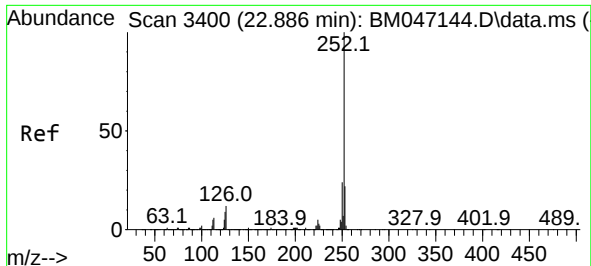
Ion Ratio Lower Upper

276 100

138 26.2 19.4 29.0

277 0.0 20.1 30.1#

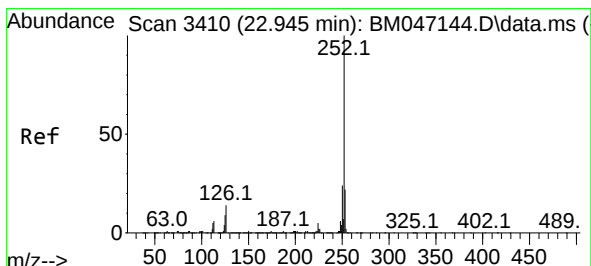
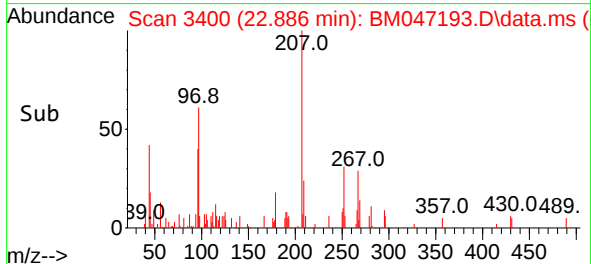
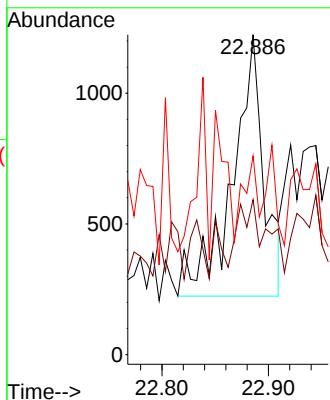
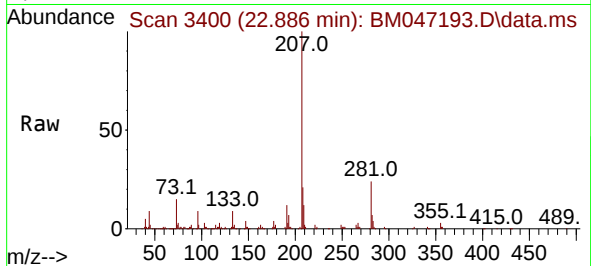




#88  
Benzo(b)fluoranthene  
Concen: 0.017 ng  
RT: 22.886 min Scan# 3400  
Delta R.T. -0.000 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

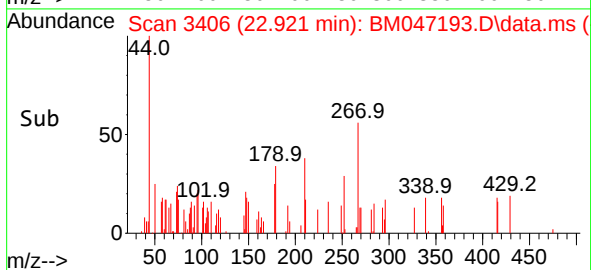
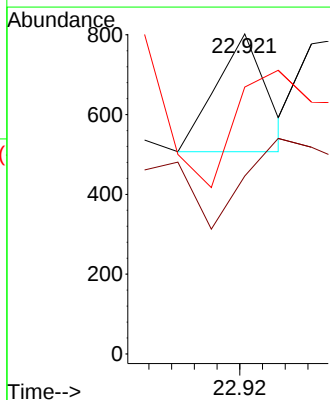
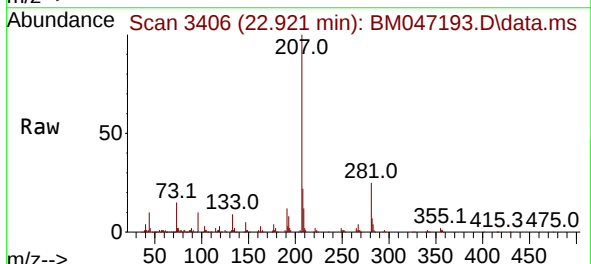
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

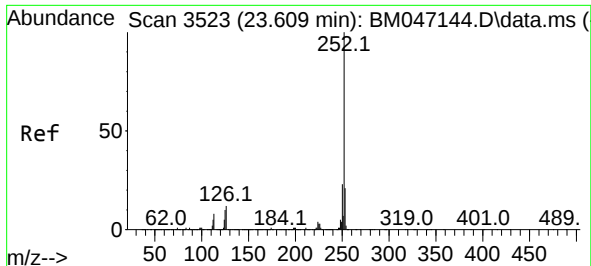
Tgt Ion:252 Resp: 2046  
Ion Ratio Lower Upper  
252 100  
253 48.4 17.8 26.6#  
125 92.0 7.4 11.0#



#89  
Benzo(k)fluoranthene  
Concen: 0.002 ng  
RT: 22.921 min Scan# 3406  
Delta R.T. -0.024 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion:252 Resp: 185  
Ion Ratio Lower Upper  
252 100  
253 55.6 17.7 26.5#  
125 83.4 7.4 11.2#

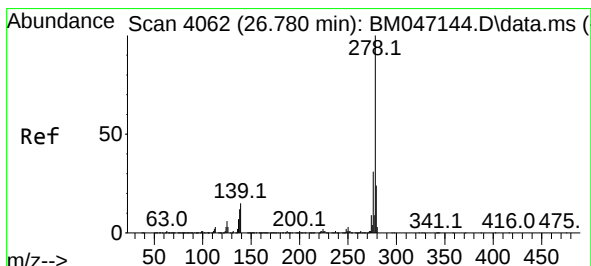
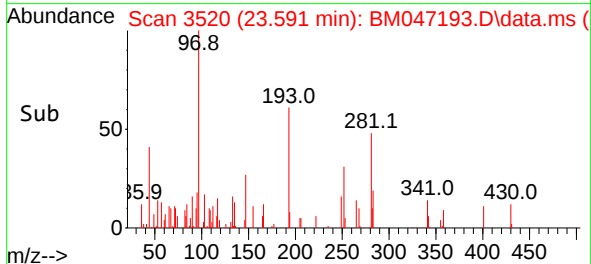
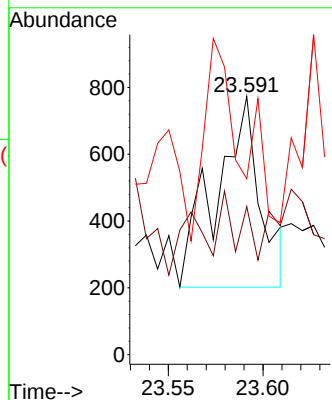
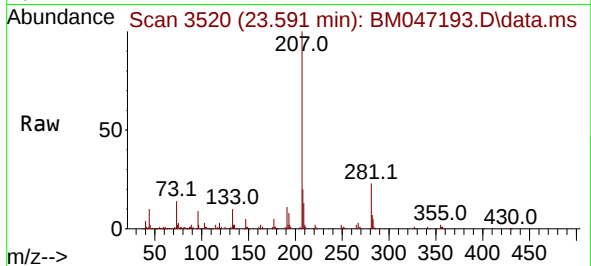




#90  
Benzo(a)pyrene  
Concen: 0.009 ng  
RT: 23.591 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

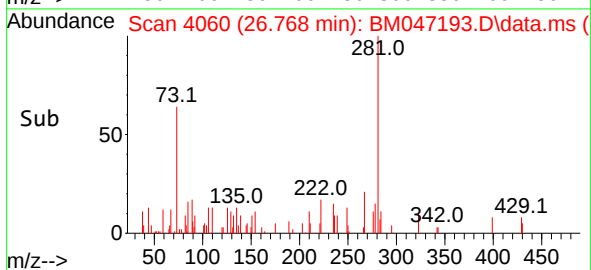
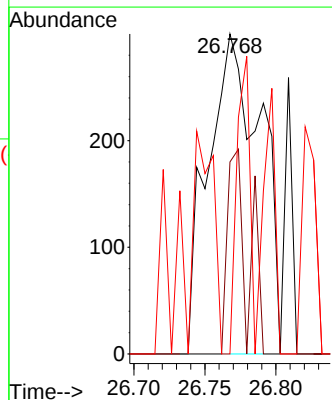
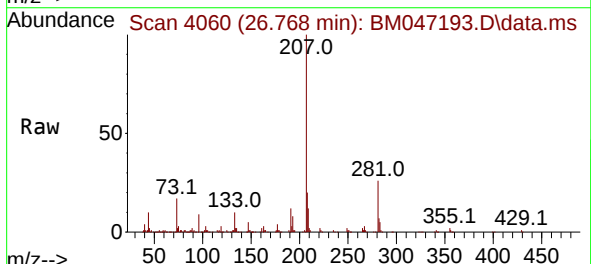
Instrument :  
BNA\_M  
ClientSampleId :  
PB162602BL

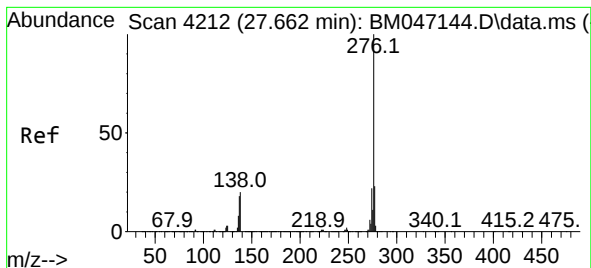
Tgt Ion:252 Resp: 926  
Ion Ratio Lower Upper  
252 100  
253 57.3 17.1 25.7#  
125 68.2 8.2 12.2#



#91  
Dibenzo(a,h)anthracene  
Concen: 0.007 ng  
RT: 26.768 min Scan# 4060  
Delta R.T. -0.012 min  
Lab File: BM047193.D  
Acq: 14 Aug 2024 16:10

Tgt Ion:278 Resp: 771  
Ion Ratio Lower Upper  
278 100  
139 60.0 12.0 18.0#  
279 0.0 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 0.007 ng

RT: 27.638 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM047193.D

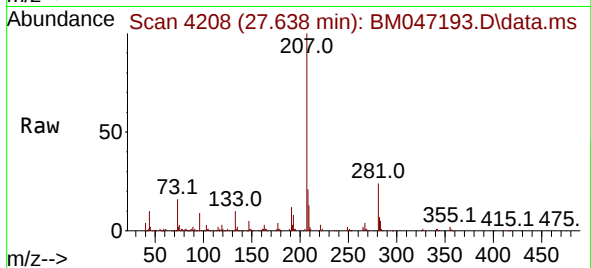
Acq: 14 Aug 2024 16:10

Instrument :

BNA\_M

ClientSampleId :

PB162602BL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 722   |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 0.0   | 18.8  | 28.2# |
| 138       | 0.0   | 16.2  | 24.4# |

