

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031325\  
 Data File : BP024174.D  
 Acq On : 13 Mar 2025 12:37  
 Operator : RC/JU  
 Sample : Q1502-03DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PT-BN-WPDL

Quant Time: Mar 13 12:57:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 05:55:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.752  | 152  | 353534   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.540 | 136  | 1418472  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.410 | 164  | 889546   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.222 | 188  | 1714495  | 20.000 | ng    | 0.02     |
| 76) Chrysene-d12              | 21.674 | 240  | 1887366  | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 25.086 | 264  | 2063786  | 20.000 | ng    | 0.03     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.364  | 112  | 587545   | 26.529 | ng    | -0.02    |
| 7) Phenol-d6                  | 6.928  | 99   | 767909   | 25.928 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 8.899  | 82   | 455415   | 18.115 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 15.928 | 330  | 256901   | 22.927 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 13.010 | 172  | 1150538  | 19.072 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 1892676  | 20.700 | ng    | 0.02     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.611  | 42   | 107584   | 13.420 | ng    | # 97     |
| 6) Aniline                    | 7.175  | 93   | 445126   | 16.496 | ng    | # 56     |
| 11) bis(2-Chloroethyl)ether   | 7.175  | 93   | 445126   | 18.879 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.787  | 146  | 819775   | 31.777 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.787  | 146  | 819775   | 31.123 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.099  | 146  | 721474   | 28.543 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269  | 45   | 576718   | 23.966 | ng    | 96       |
| 18) Hexachloroethane          | 8.828  | 117  | 148142   | 15.853 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.552  | 70   | 291642   | 16.974 | ng    | 98       |
| 31) Naphthalene               | 10.587 | 128  | 361608   | 4.809  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.210 | 142  | 1158372  | 22.804 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.428 | 142  | 430404   | 8.711  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.269 | 162  | 1097223  | 21.823 | ng    | 98       |
| 49) Acenaphthylene            | 14.128 | 152  | 1226745  | 16.125 | ng    | 99       |
| 50) Dimethylphthalate         | 13.863 | 163  | 1984111  | 31.877 | ng    | 100      |
| 52) Acenaphthene              | 14.475 | 154  | 1077064  | 22.158 | ng    | 99       |
| 55) Dibenzofuran              | 14.822 | 168  | 885034   | 11.240 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.822 | 139  | 326485   | 27.624 | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 14.787 | 165  | 372410   | 21.528 | ng    | 98       |
| 58) Fluorene                  | 15.487 | 166  | 2029975  | 33.090 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204  | 1012259  | 33.642 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.692 | 169  | 345022   | 6.627  | ng    | 99       |
| 73) Carbazole                 | 17.634 | 167  | 1157106  | 13.153 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.222 | 149  | 2308580  | 22.106 | ng    | 100      |
| 75) Fluoranthene              | 19.351 | 202  | 2969094  | 27.371 | ng    | 99       |
| 78) Pyrene                    | 19.728 | 202  | 3726848  | 31.762 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.675 | 149  | 1703614  | 35.208 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.657 | 228  | 4008591  | 34.161 | ng    | 100      |
| 83) Chrysene                  | 21.727 | 228  | 1539379  | 13.647 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149  | 1218780  | 16.693 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.898 | 149  | 1449396  | 12.390 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.045 | 276  | 871762   | 6.052  | ng    | # 62     |
| 88) Benzo(b)fluoranthene      | 24.004 | 252  | 2211070  | 17.769 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.080 | 252  | 2750384  | 22.596 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.927 | 252  | 1327891  | 12.272 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.051 | 278  | 3741481  | 31.223 | ng    | 100      |

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

Quant Time: Mar 13 12:57:52 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 05:55:58 2025  
Response via : Initial Calibration

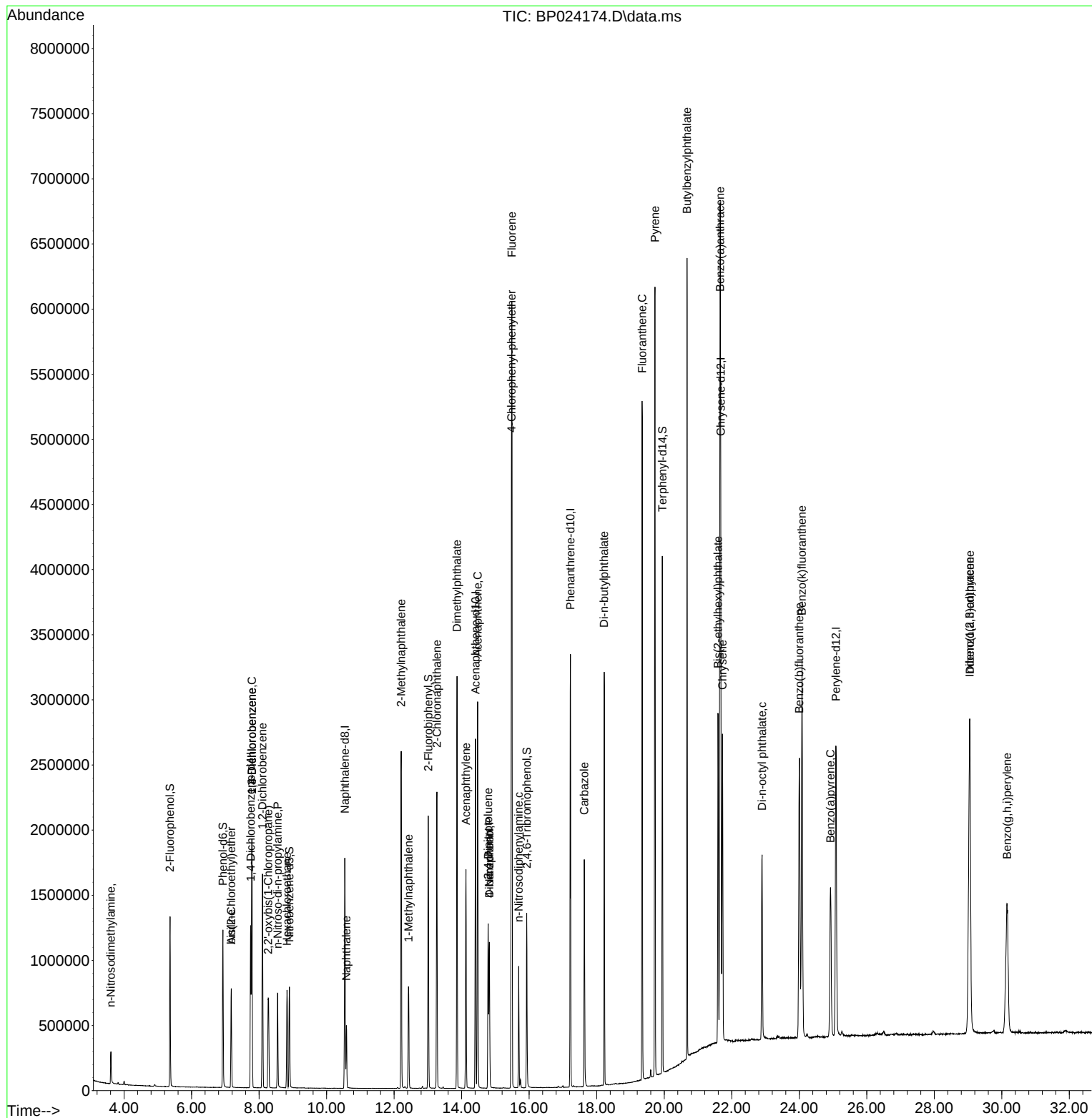
| Compound                 | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------|--------|------|----------|--------|-------|----------|
| 92) Benzo(g,h,i)perylene | 30.156 | 276  | 1936128  | 15.894 | ng    | 99       |

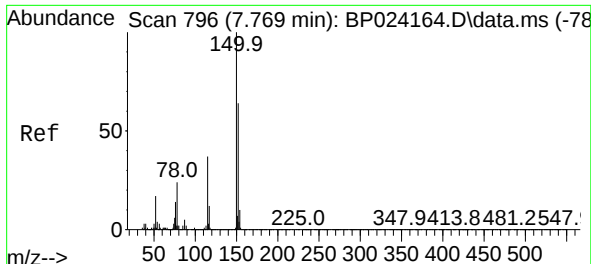
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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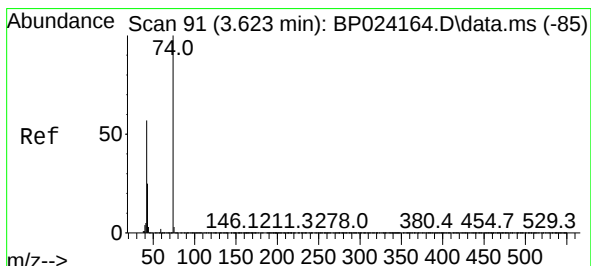
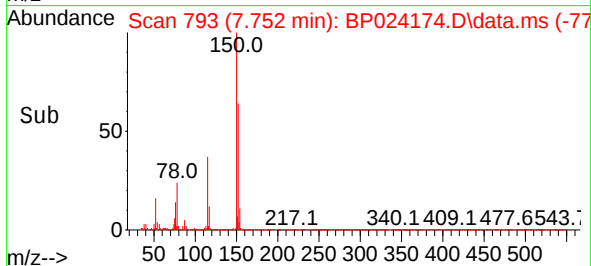
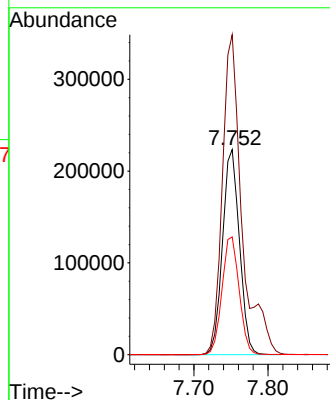
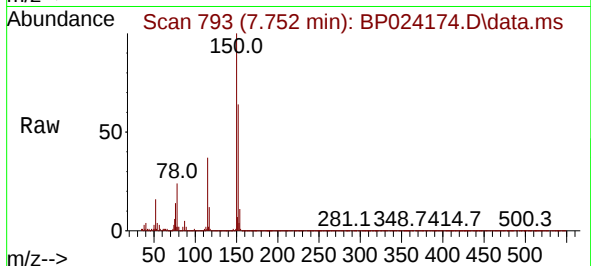




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.752 min Scan# 70  
Delta R.T. -0.017 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

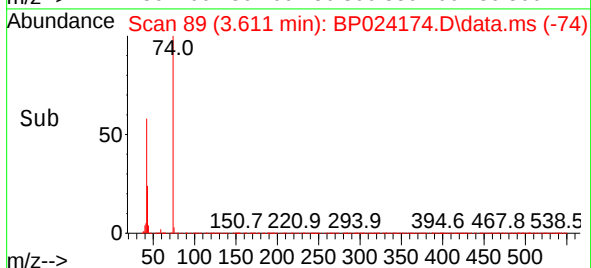
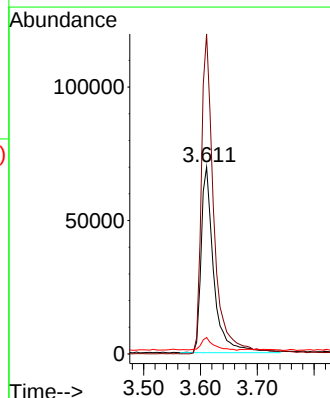
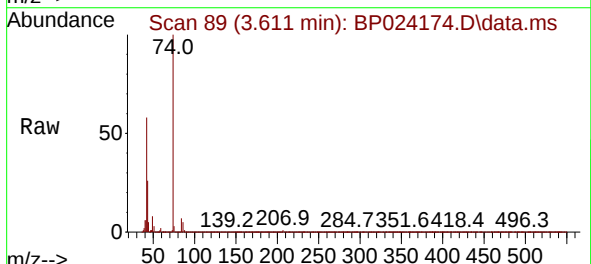
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

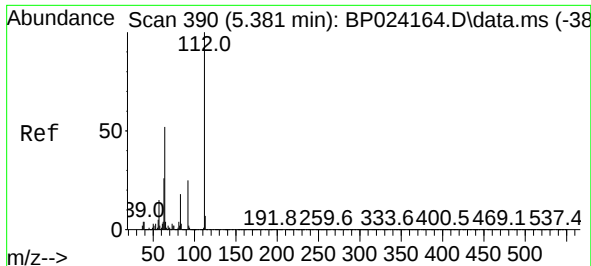
Tgt Ion:152 Resp: 353534  
Ion Ratio Lower Upper  
152 100  
150 155.9 125.5 188.3  
115 57.4 46.3 69.5



#4  
n-Nitrosodimethylamine  
Concen: 13.420 ng  
RT: 3.611 min Scan# 89  
Delta R.T. -0.012 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion: 42 Resp: 107584  
Ion Ratio Lower Upper  
42 100  
74 171.2 139.8 209.6  
44 8.8 5.3 7.9#

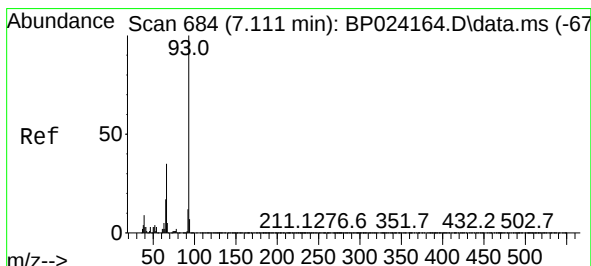
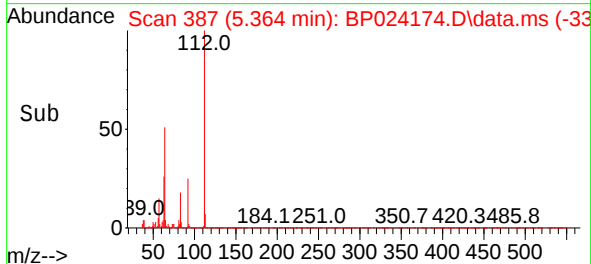
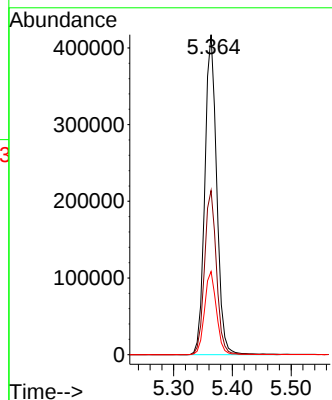
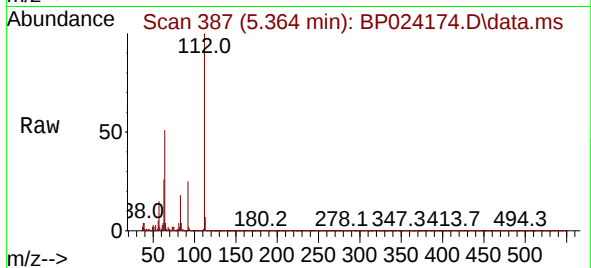




#5  
2-Fluorophenol  
Concen: 26.529 ng  
RT: 5.364 min Scan# 387  
Delta R.T. -0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

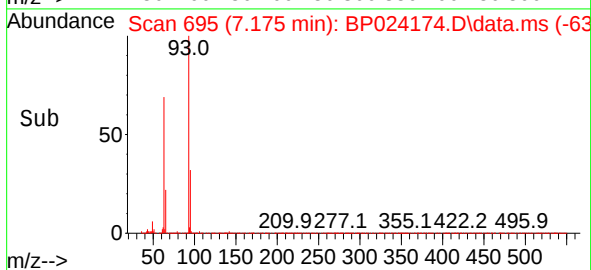
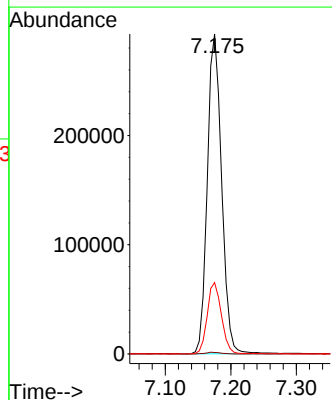
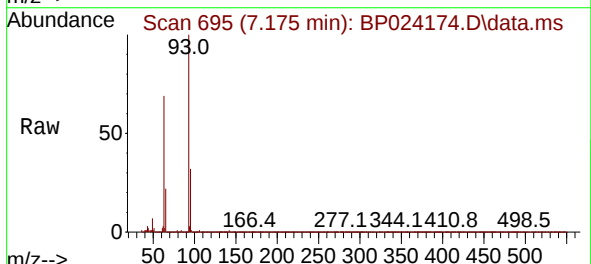
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

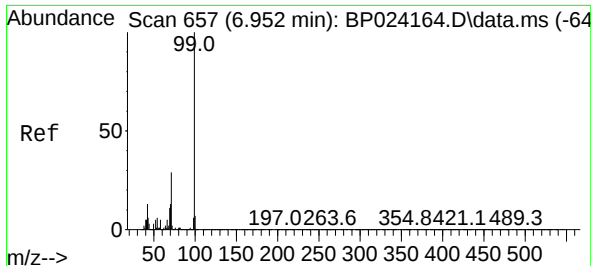
Tgt Ion:112 Resp: 587545  
Ion Ratio Lower Upper  
112 100  
64 51.3 41.3 61.9  
63 26.0 20.6 31.0



#6  
Aniline  
Concen: 16.496 ng  
RT: 7.175 min Scan# 695  
Delta R.T. 0.065 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion: 93 Resp: 445126  
Ion Ratio Lower Upper  
93 100  
66 0.4 28.2 42.2#  
65 22.3 14.0 21.0#





#7

Phenol-d6

Concen: 25.928 ng

RT: 6.928 min Scan# 60

Delta R.T. -0.024 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

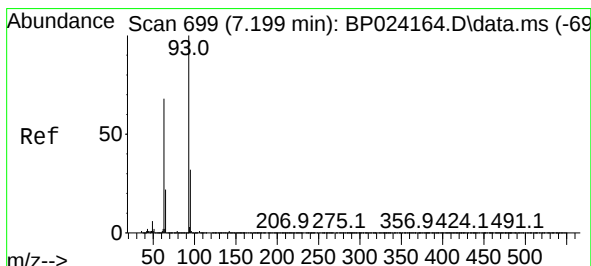
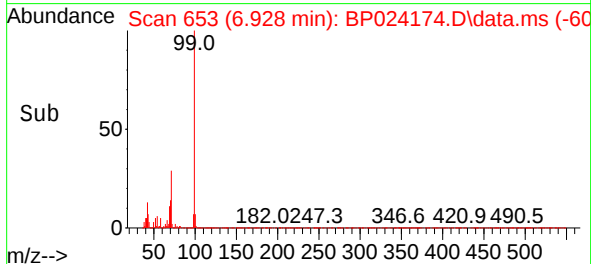
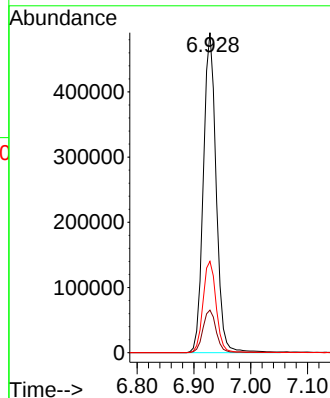
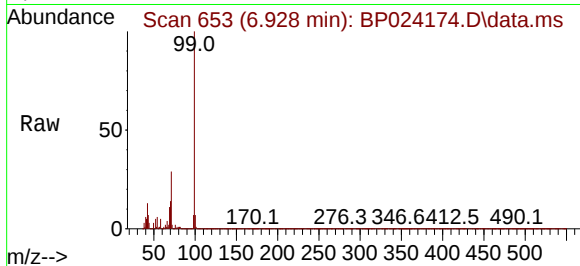
Tgt Ion: 99 Resp: 767909

Ion Ratio Lower Upper

99 100

42 13.3 10.6 16.0

71 28.6 23.3 34.9



#11

bis(2-Chloroethyl)ether

Concen: 18.879 ng

RT: 7.175 min Scan# 695

Delta R.T. -0.024 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

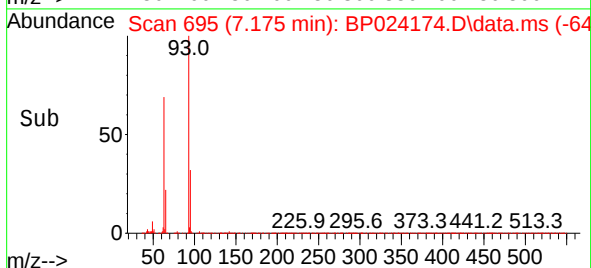
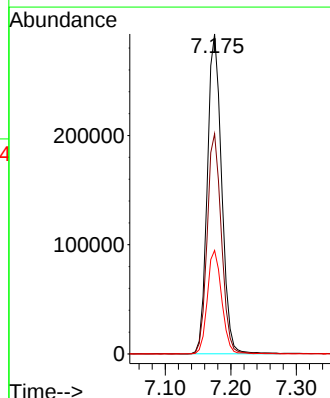
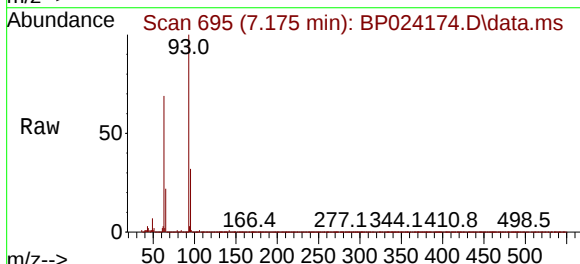
Tgt Ion: 93 Resp: 445126

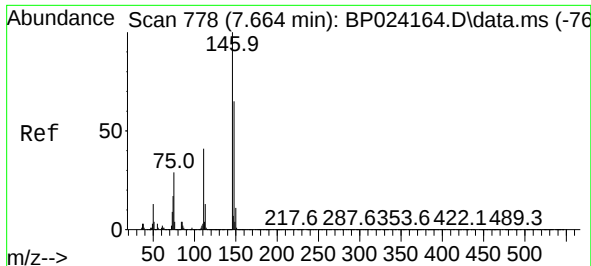
Ion Ratio Lower Upper

93 100

63 68.8 47.4 87.4

95 32.4 12.1 52.1

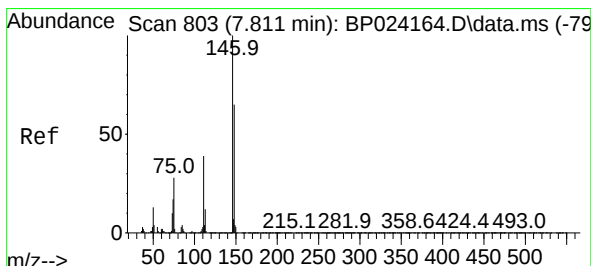
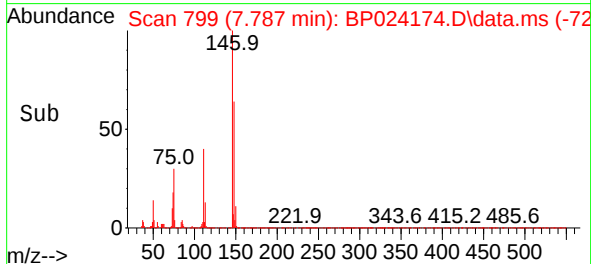
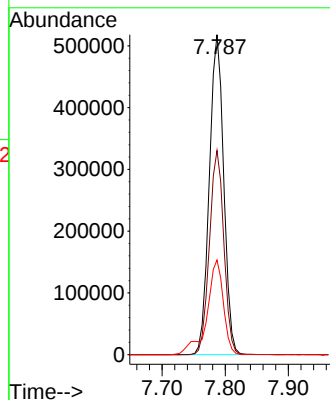
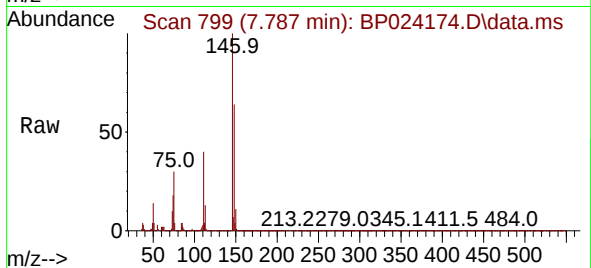




#12  
1,3-Dichlorobenzene  
Concen: 31.777 ng  
RT: 7.787 min Scan# 799  
Delta R.T. 0.123 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

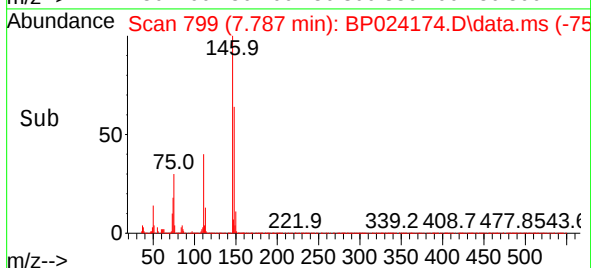
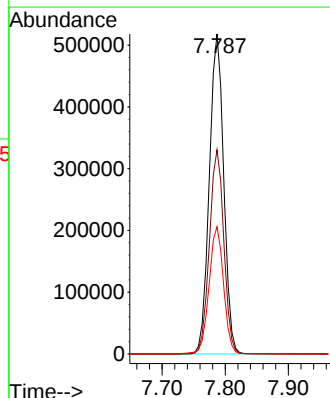
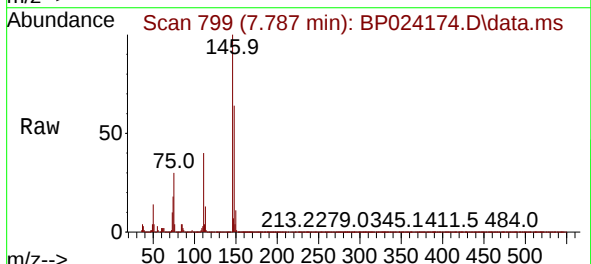
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

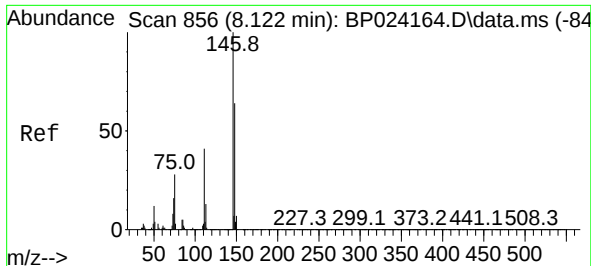
Tgt Ion:146 Resp: 819775  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.6 77.4  
75 29.6 22.8 34.2



#13  
1,4-Dichlorobenzene  
Concen: 31.123 ng  
RT: 7.787 min Scan# 799  
Delta R.T. -0.024 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:146 Resp: 819775  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.9 77.9  
111 39.7 31.4 47.2





#14

1,2-Dichlorobenzene

Concen: 28.543 ng

RT: 8.099 min Scan# 80

Delta R.T. -0.024 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

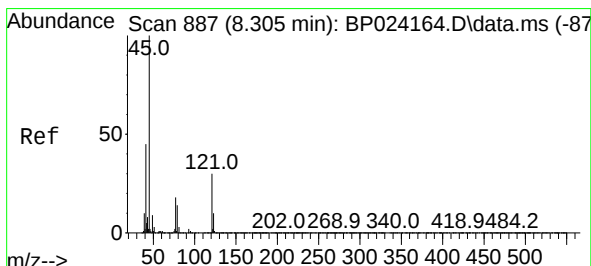
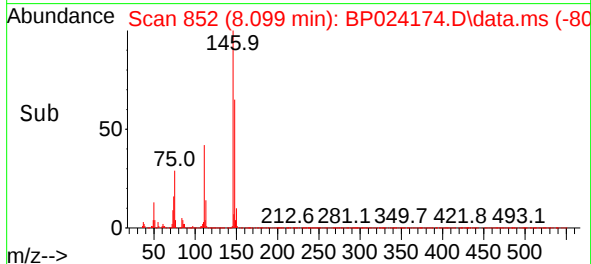
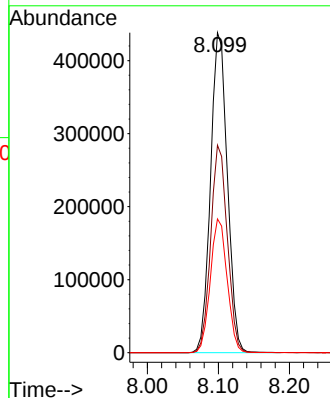
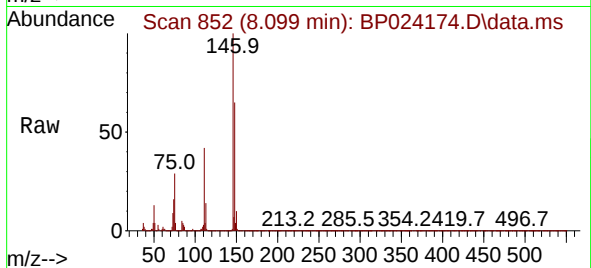
Tgt Ion:146 Resp: 721474

Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.2

111 41.8 33.2 49.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 23.966 ng

RT: 8.269 min Scan# 881

Delta R.T. -0.035 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

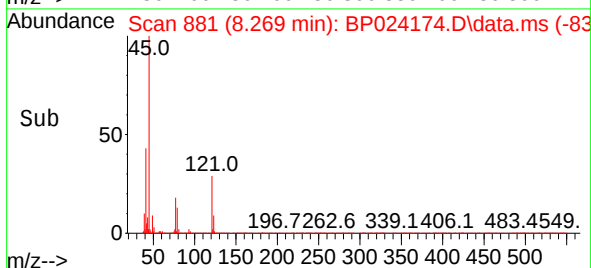
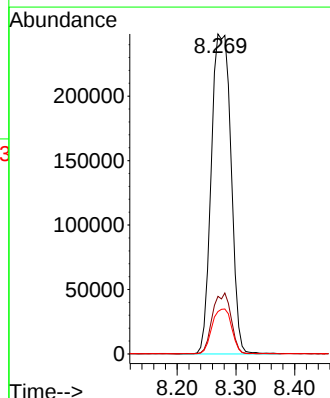
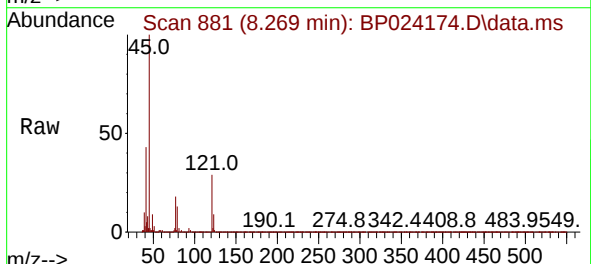
Tgt Ion: 45 Resp: 576718

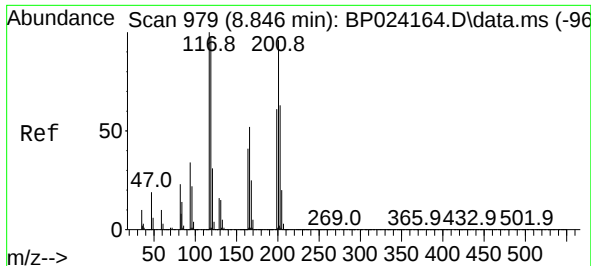
Ion Ratio Lower Upper

45 100

77 18.0 0.0 39.0

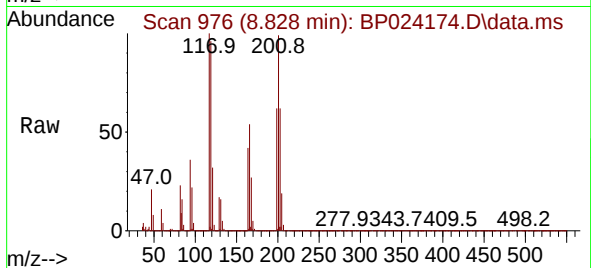
79 13.3 0.0 35.6



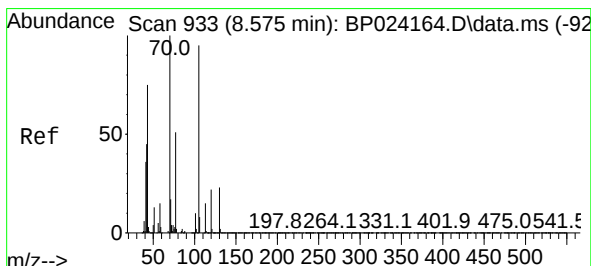
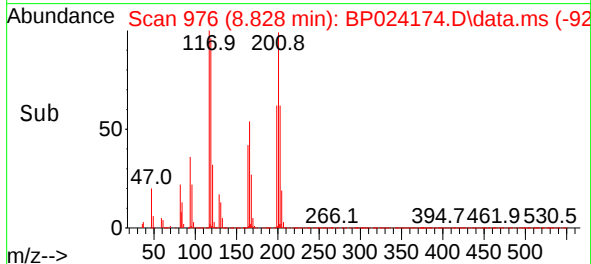
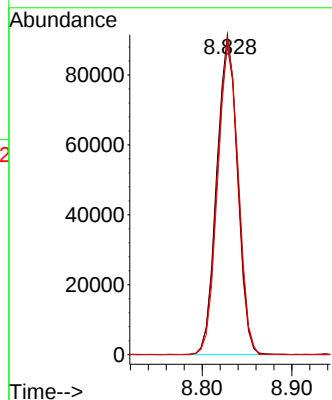


#18  
Hexachloroethane  
Concen: 15.853 ng  
RT: 8.828 min Scan# 911  
Delta R.T. -0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

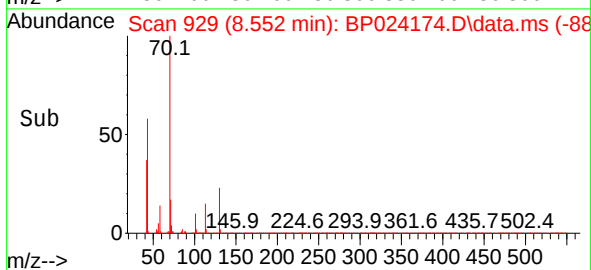
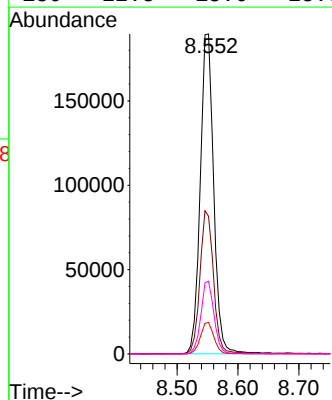
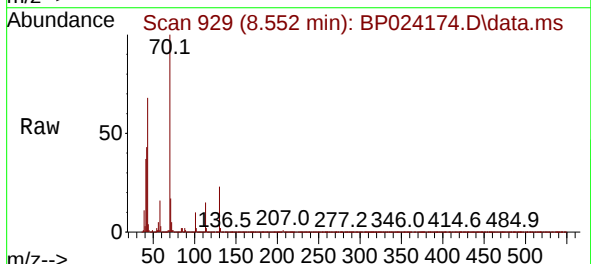


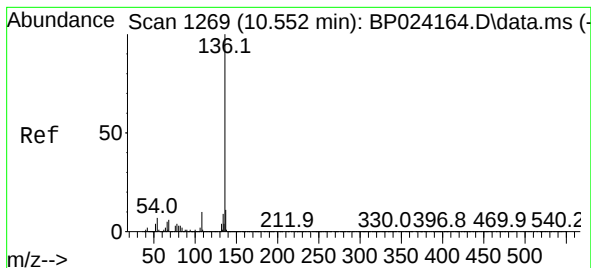
Tgt Ion:117 Resp: 148142  
Ion Ratio Lower Upper  
117 100  
119 96.4 77.4 116.0  
201 98.7 76.6 114.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.974 ng  
RT: 8.552 min Scan# 929  
Delta R.T. -0.024 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion: 70 Resp: 291642  
Ion Ratio Lower Upper  
70 100  
42 43.0 36.0 54.0  
101 9.9 8.3 12.5  
130 22.8 18.6 28.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.540 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

Tgt Ion:136 Resp: 1418472

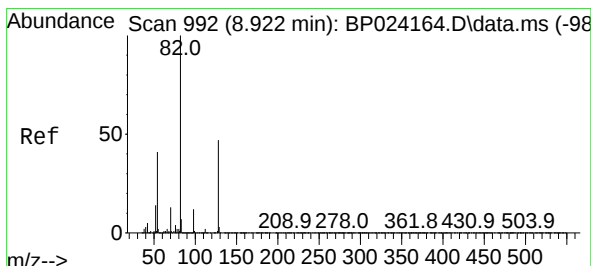
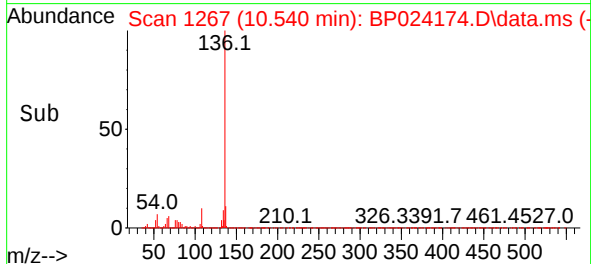
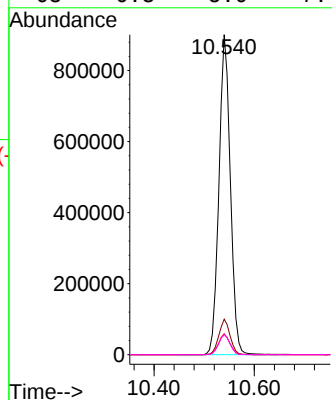
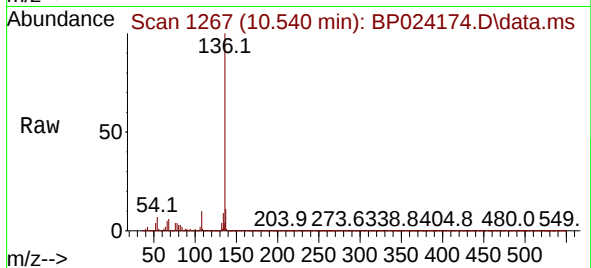
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 5.3 7.9

68 6.3 5.0 7.4



#23

Nitrobenzene-d5

Concen: 18.115 ng

RT: 8.899 min Scan# 988

Delta R.T. -0.024 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

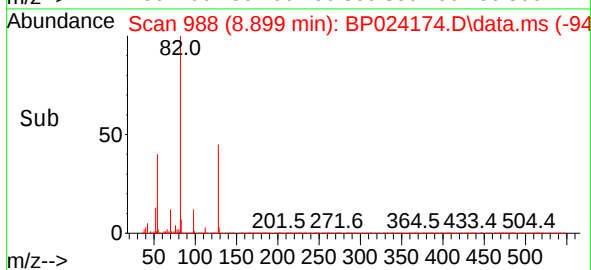
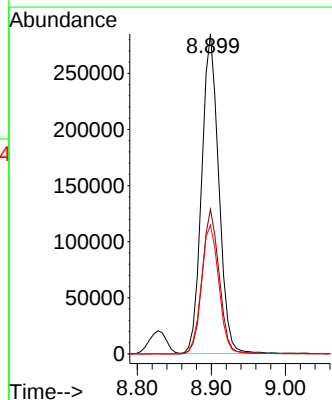
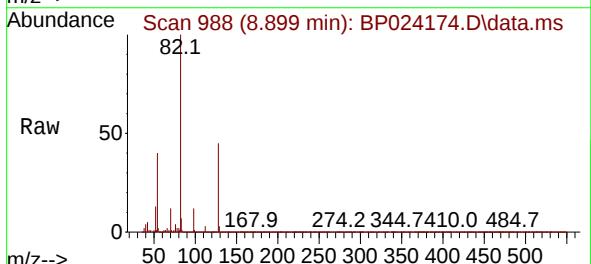
Tgt Ion: 82 Resp: 455415

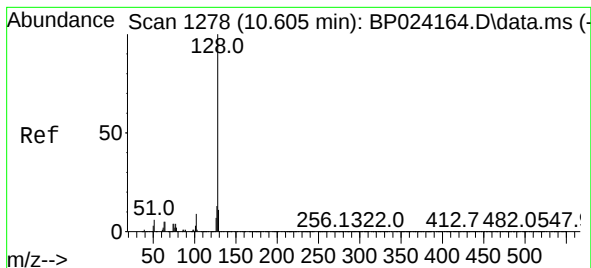
Ion Ratio Lower Upper

82 100

128 45.1 37.4 56.0

54 40.3 32.5 48.7

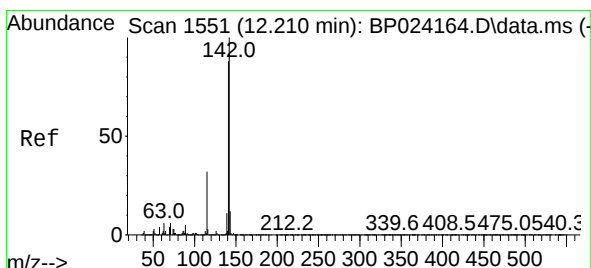
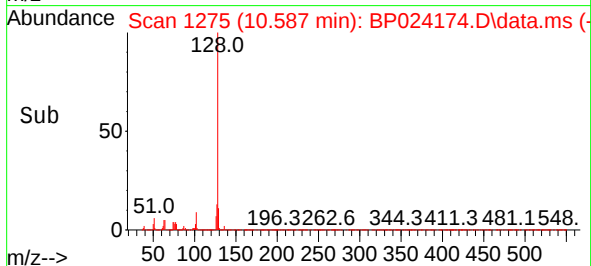
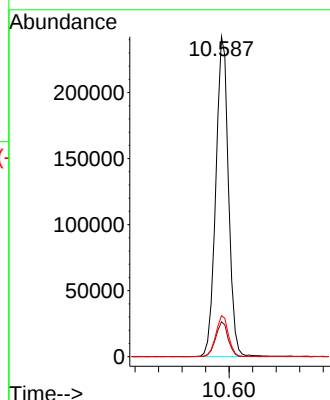
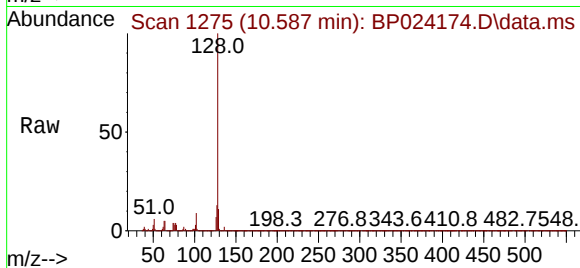




#31  
Naphthalene  
Concen: 4.809 ng  
RT: 10.587 min Scan# 1275  
Delta R.T. -0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

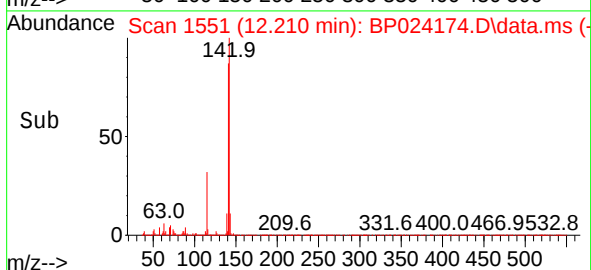
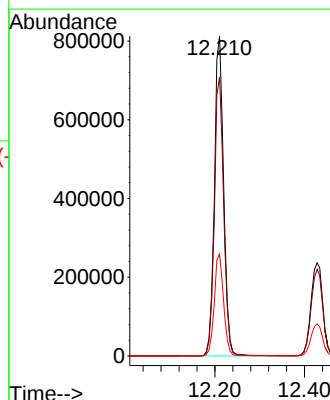
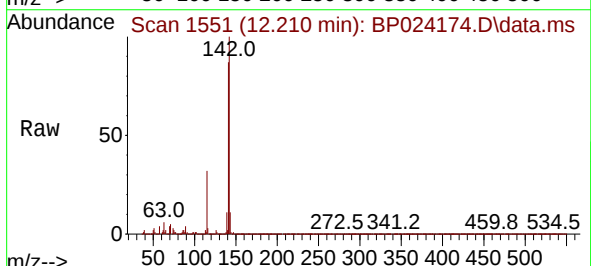
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

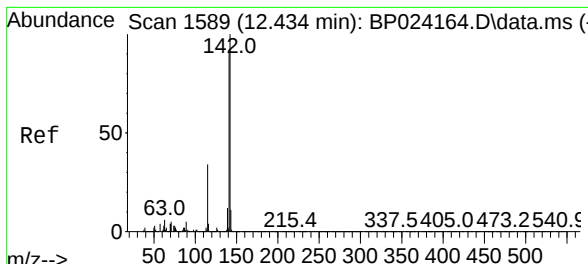
Tgt Ion:128 Resp: 361608  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.7 13.1  
127 12.8 10.4 15.6



#37  
2-Methylnaphthalene  
Concen: 22.804 ng  
RT: 12.210 min Scan# 1551  
Delta R.T. -0.000 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:142 Resp: 1158372  
Ion Ratio Lower Upper  
142 100  
141 87.2 70.3 105.5  
115 31.9 26.0 39.0

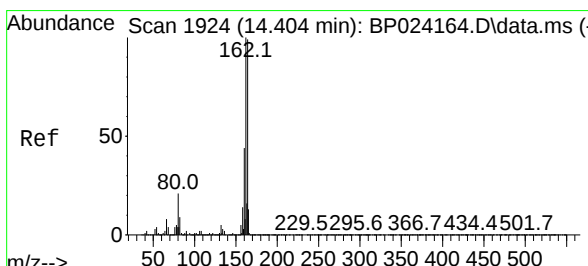
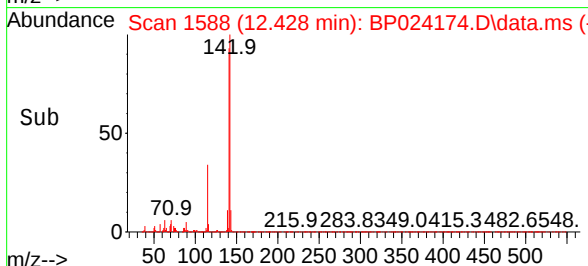
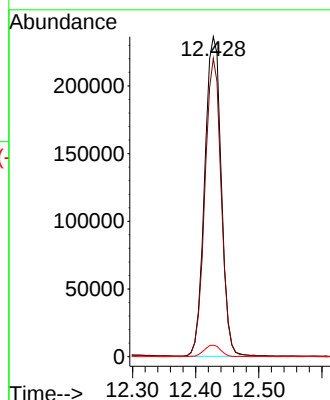
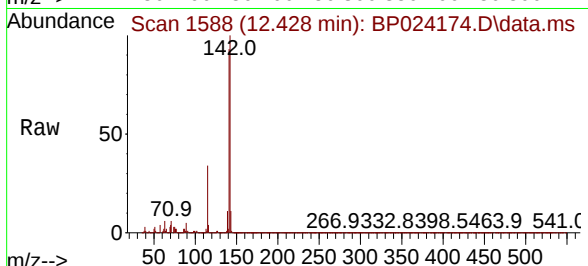




#38  
1-Methylnaphthalene  
Concen: 8.711 ng  
RT: 12.428 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

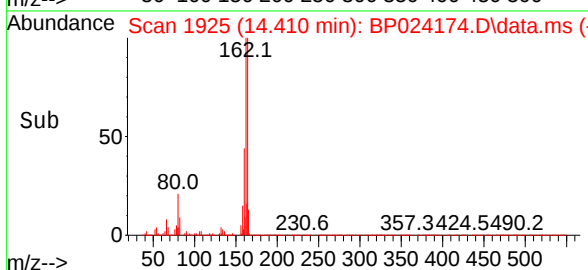
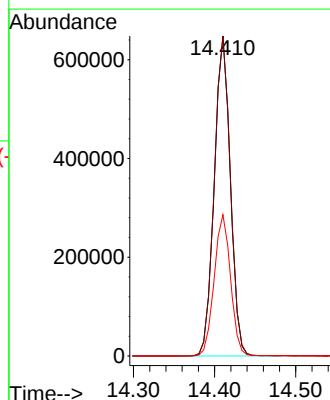
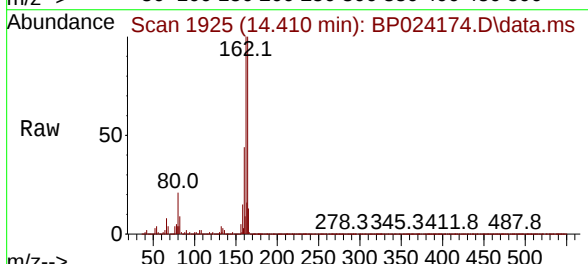
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

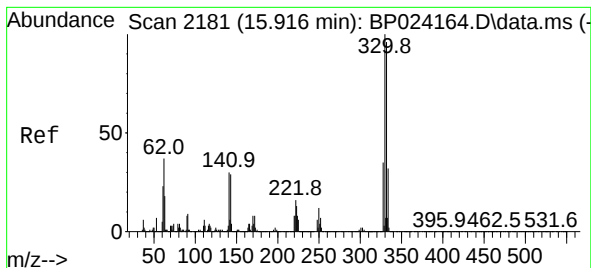
Tgt Ion:142 Resp: 430404  
Ion Ratio Lower Upper  
142 100  
141 93.2 73.9 110.9  
116 3.6 2.8 4.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.410 min Scan# 1925  
Delta R.T. 0.006 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:164 Resp: 889546  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.6 121.0  
160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 22.927 ng

RT: 15.928 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

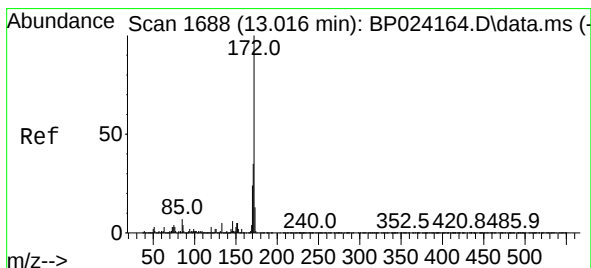
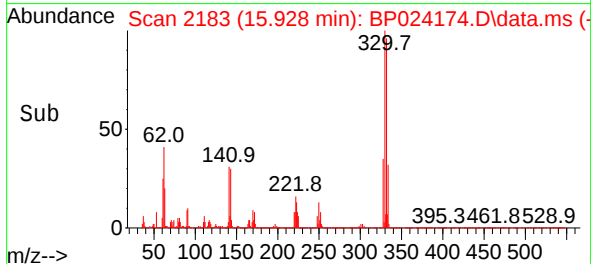
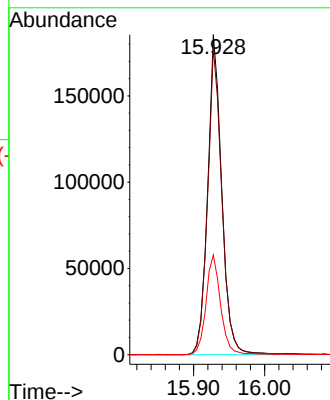
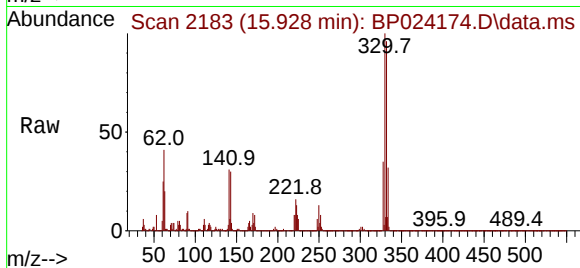
Tgt Ion:330 Resp: 256901

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 32.2 25.0 37.6



#45

2-Fluorobiphenyl

Concen: 19.072 ng

RT: 13.010 min Scan# 1687

Delta R.T. -0.006 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

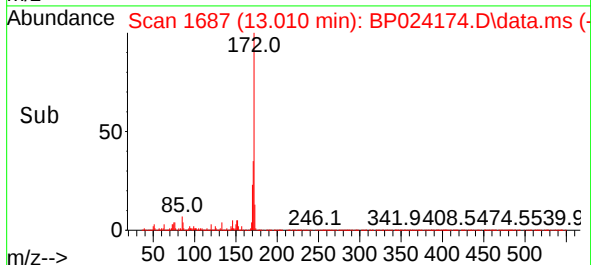
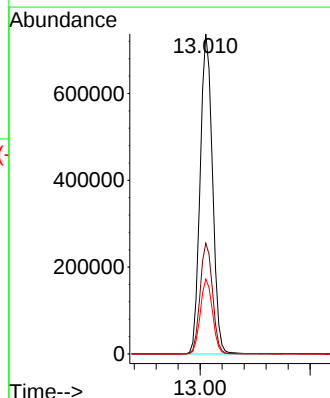
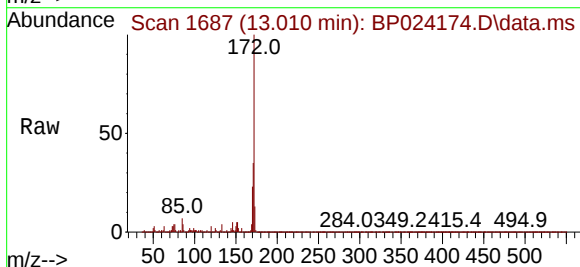
Tgt Ion:172 Resp: 1150538

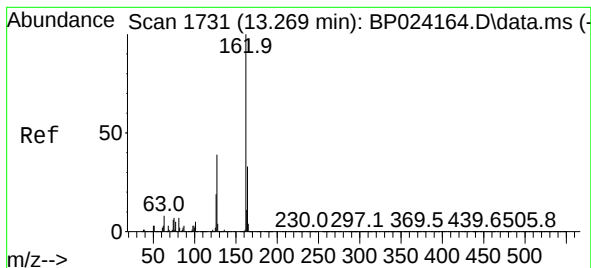
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.4 19.0 28.4





#47

2-Chloronaphthalene

Concen: 21.823 ng

RT: 13.269 min Scan# 1731

Delta R.T. -0.000 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

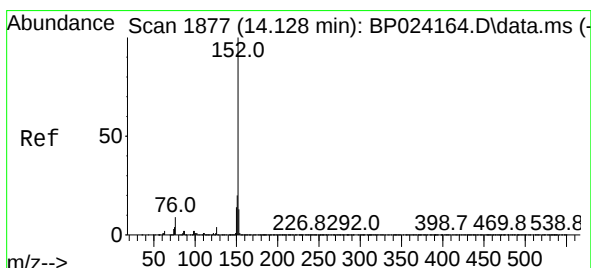
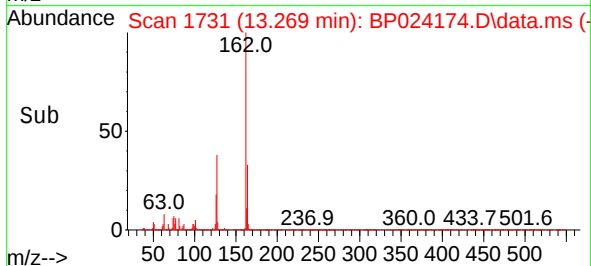
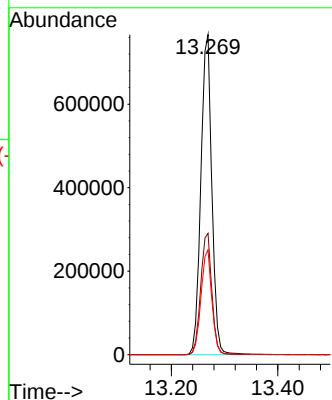
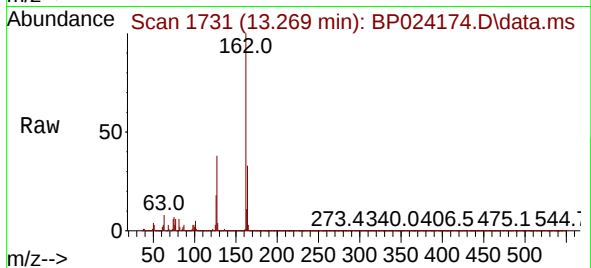
Tgt Ion:162 Resp: 1097223

Ion Ratio Lower Upper

162 100

127 37.9 31.5 47.3

164 32.7 26.6 39.8



#49

Acenaphthylene

Concen: 16.125 ng

RT: 14.128 min Scan# 1877

Delta R.T. -0.000 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

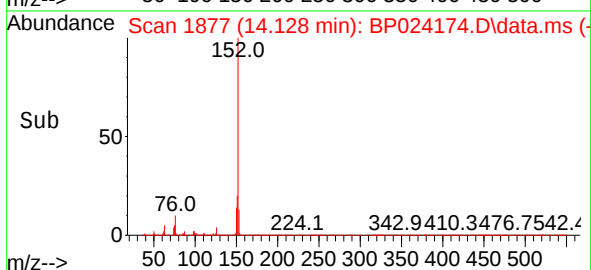
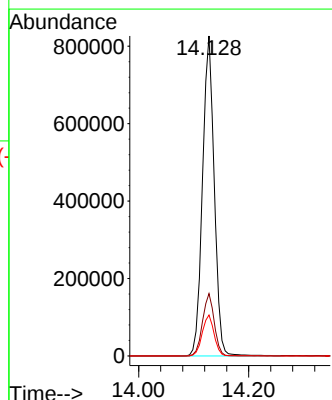
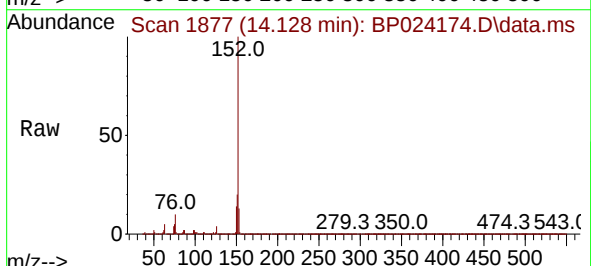
Tgt Ion:152 Resp: 1226745

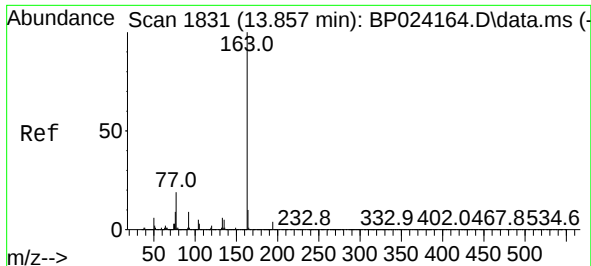
Ion Ratio Lower Upper

152 100

151 19.5 16.0 24.0

153 12.8 10.6 15.8

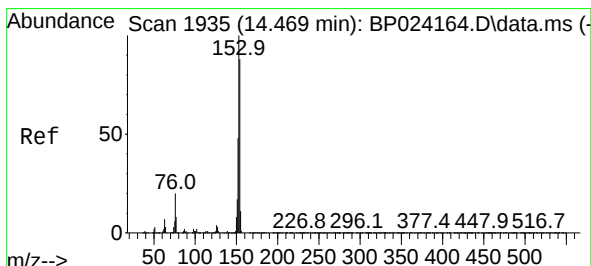
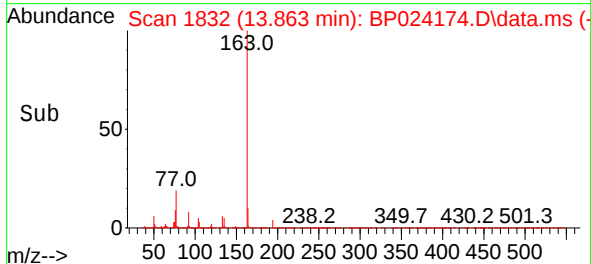
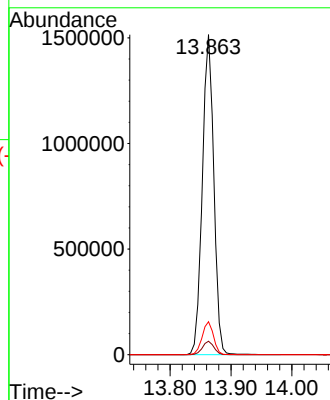
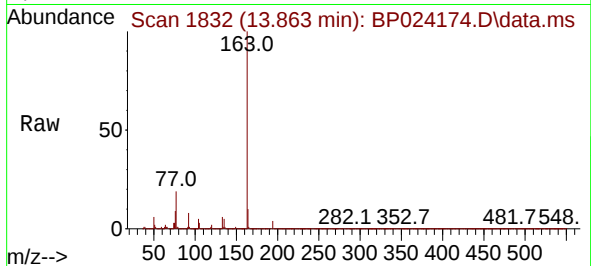




#50  
Dimethylphthalate  
Concen: 31.877 ng  
RT: 13.863 min Scan# 1831  
Delta R.T. 0.006 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

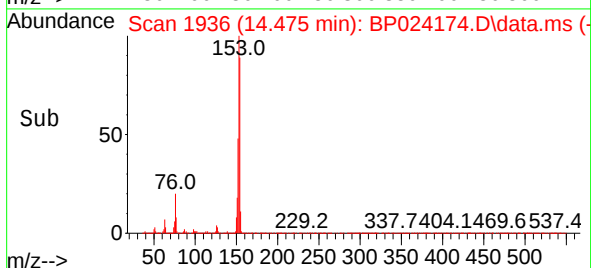
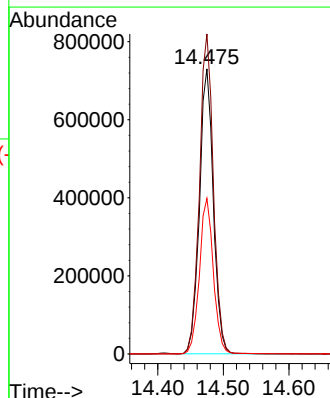
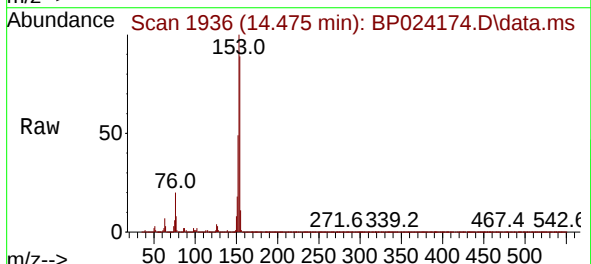
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

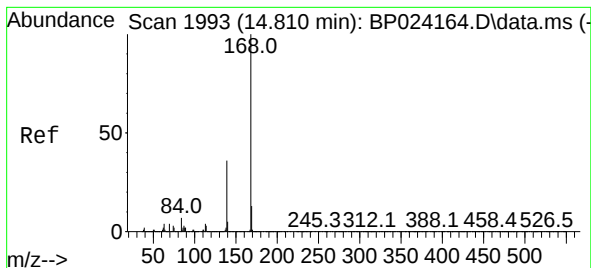
Tgt Ion:163 Resp: 1984111  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.3 8.2 12.4



#52  
Acenaphthene  
Concen: 22.158 ng  
RT: 14.475 min Scan# 1936  
Delta R.T. 0.006 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:154 Resp: 1077064  
Ion Ratio Lower Upper  
154 100  
153 112.2 90.5 135.7  
152 54.5 43.1 64.7





#55

Dibenzenofuran

Concen: 11.240 ng

RT: 14.822 min Scan# 1995

Delta R.T. 0.012 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

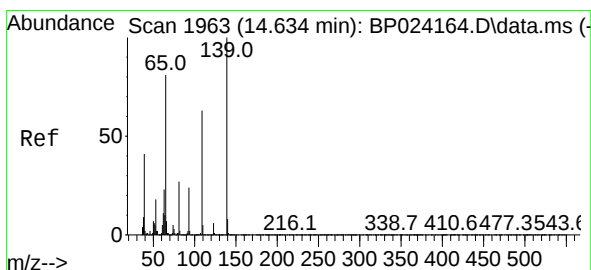
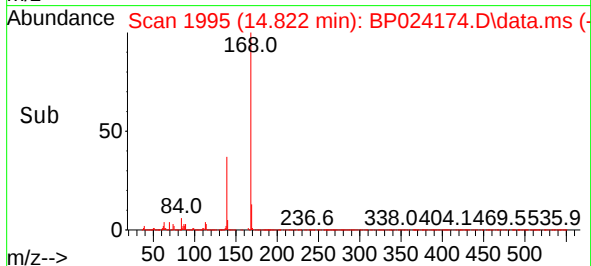
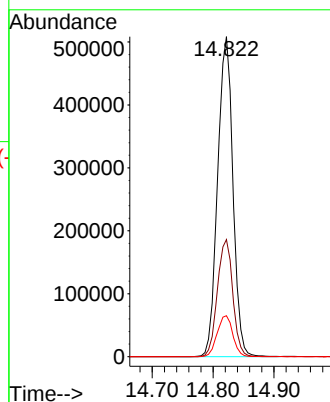
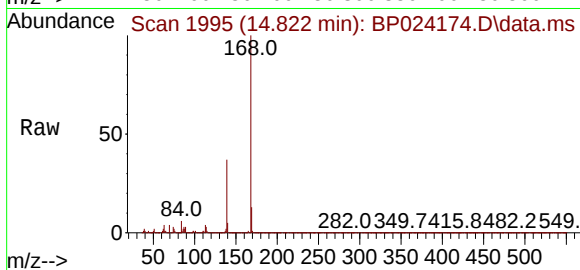
Tgt Ion:168 Resp: 885034

Ion Ratio Lower Upper

168 100

139 36.6 29.1 43.7

169 12.8 10.8 16.2



#56

4-Nitrophenol

Concen: 27.624 ng

RT: 14.822 min Scan# 1995

Delta R.T. 0.188 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

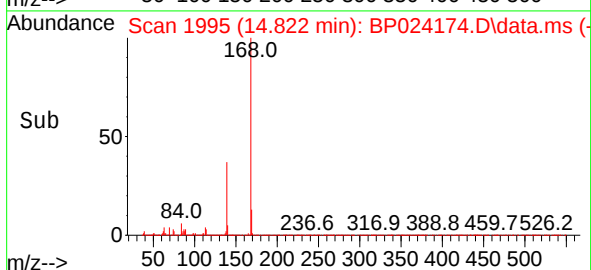
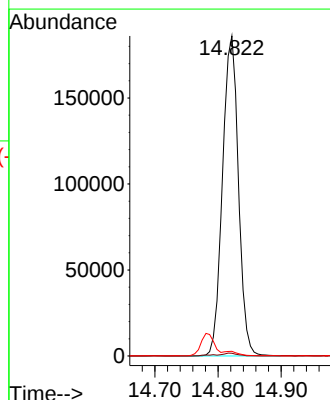
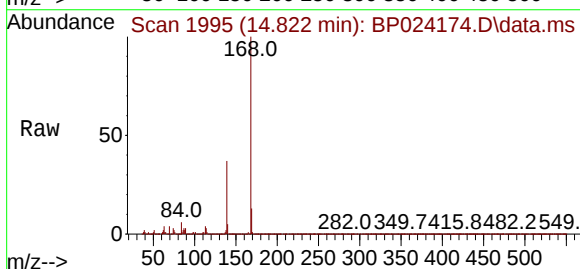
Tgt Ion:139 Resp: 326485

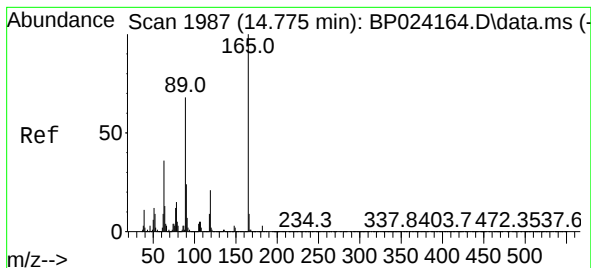
Ion Ratio Lower Upper

139 100

109 0.9 43.3 83.3#

65 1.4 61.2 101.2#

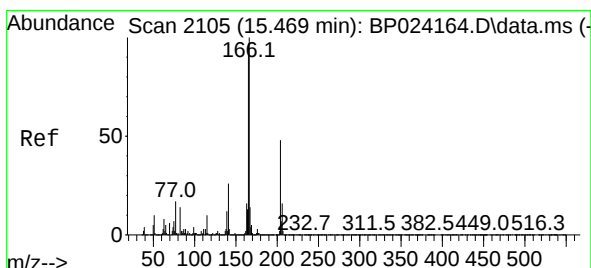
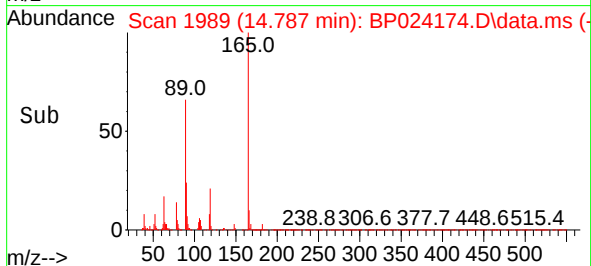
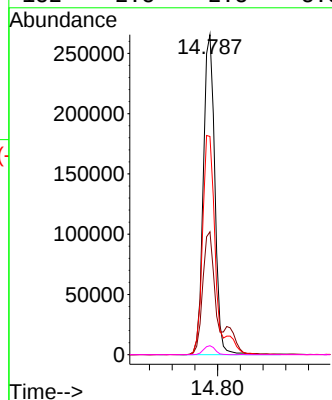
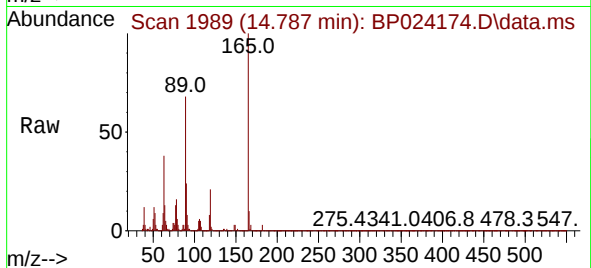




#57  
2,4-Dinitrotoluene  
Concen: 21.528 ng  
RT: 14.787 min Scan# 1989  
Delta R.T. 0.012 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

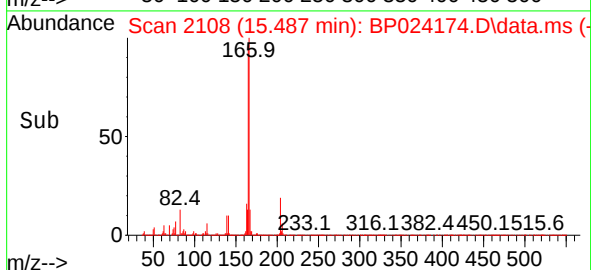
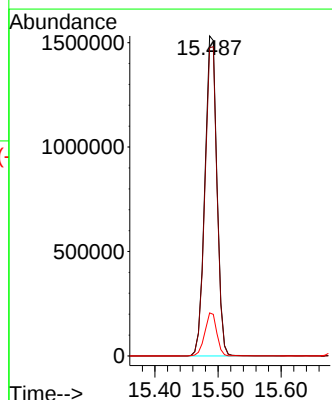
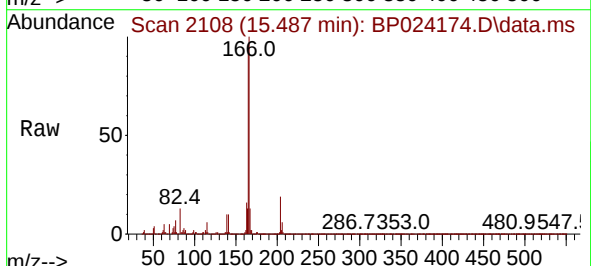
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

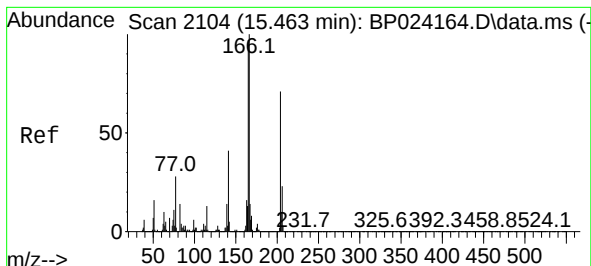
Tgt Ion:165 Resp: 372410  
Ion Ratio Lower Upper  
165 100  
63 38.4 29.0 43.6  
89 68.2 54.2 81.4  
182 2.8 2.3 3.5



#58  
Fluorene  
Concen: 33.090 ng  
RT: 15.487 min Scan# 2108  
Delta R.T. 0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:166 Resp: 2029975  
Ion Ratio Lower Upper  
166 100  
165 96.3 77.6 116.4  
167 13.5 10.8 16.2

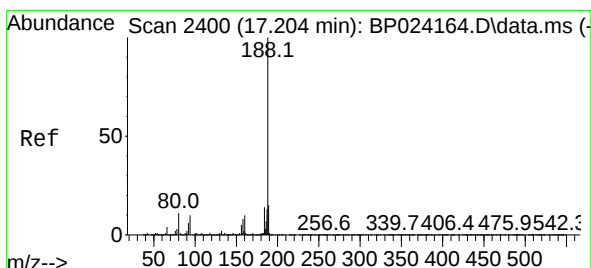
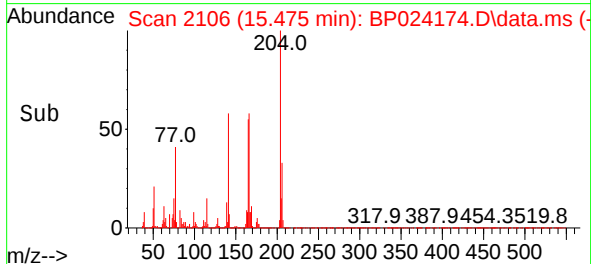
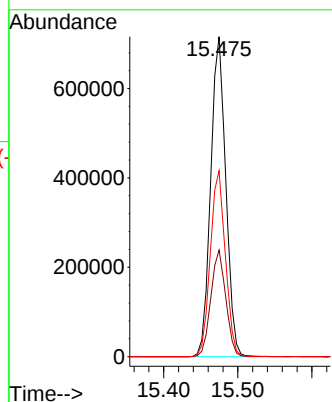
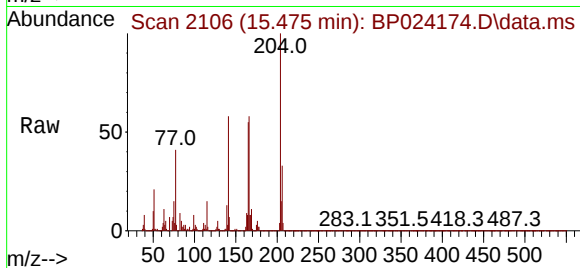




#61  
4-Chlorophenyl-phenylether  
Concen: 33.642 ng  
RT: 15.475 min Scan# 2106  
Delta R.T. 0.012 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

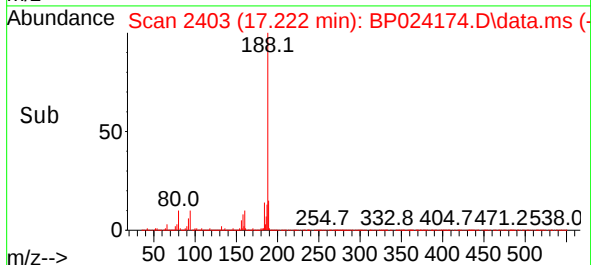
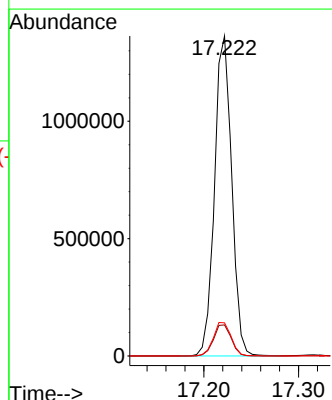
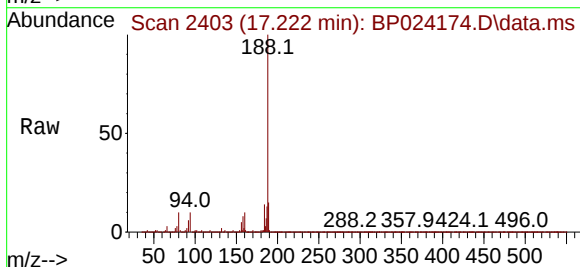
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

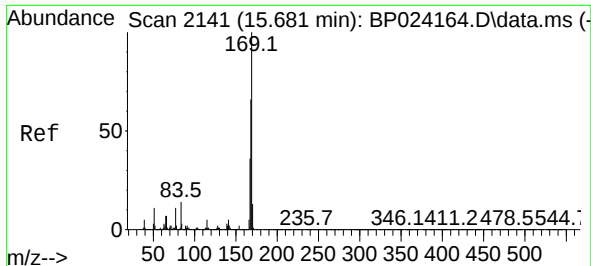
Tgt Ion:204 Resp: 1012259  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.4 39.6  
141 58.1 45.8 68.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.222 min Scan# 2403  
Delta R.T. 0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:188 Resp: 1714495  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.1 12.1  
80 10.4 8.9 13.3

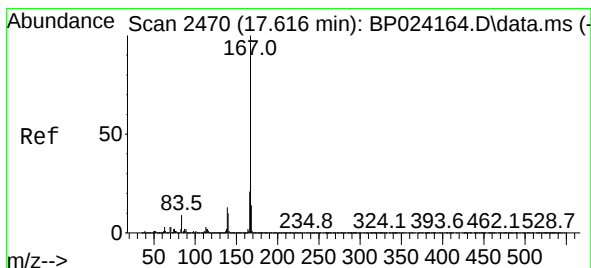
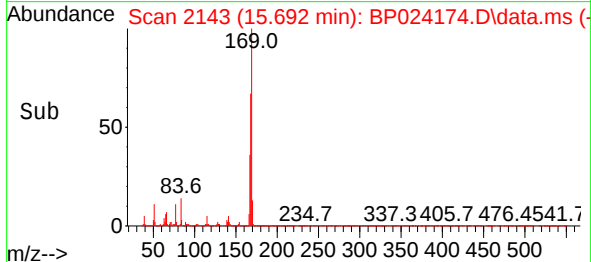
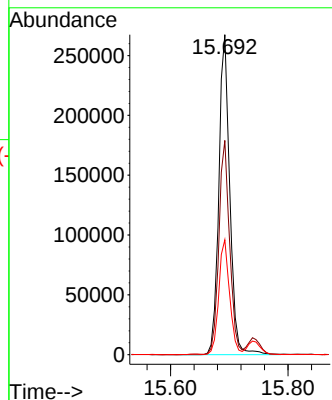
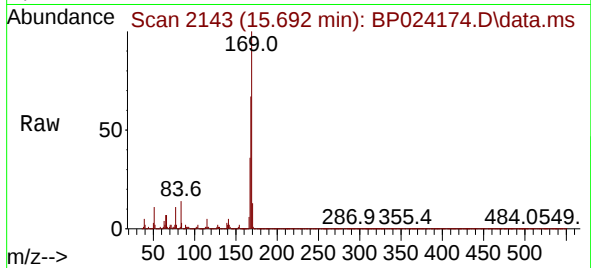




#66  
n-Nitrosodiphenylamine  
Concen: 6.627 ng  
RT: 15.692 min Scan# 2143  
Delta R.T. 0.012 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

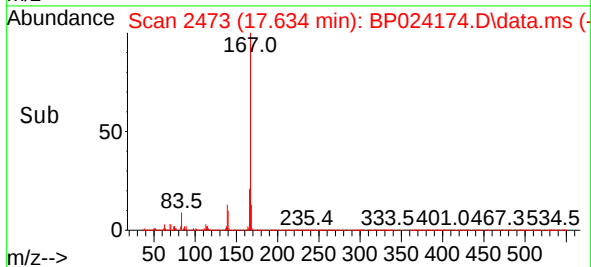
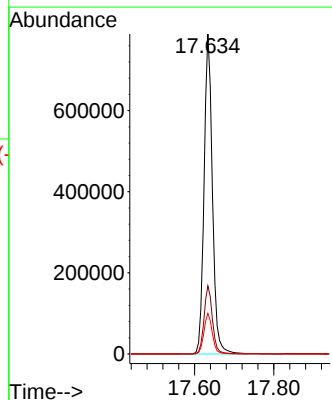
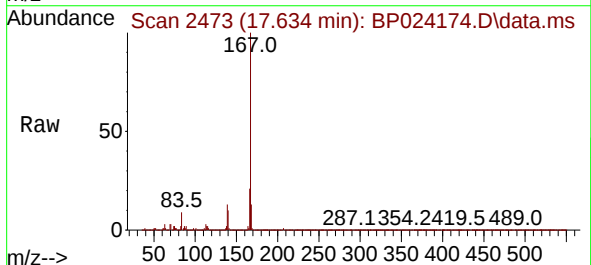
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

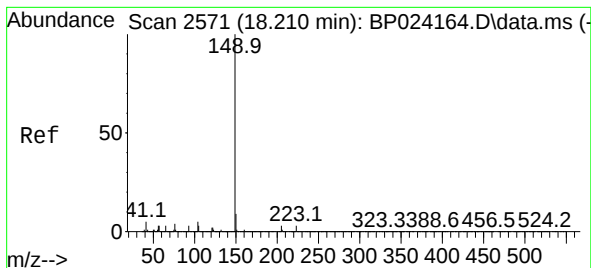
Tgt Ion:169 Resp: 345022  
Ion Ratio Lower Upper  
169 100  
168 66.9 52.9 79.3  
167 35.9 28.8 43.2



#73  
Carbazole  
Concen: 13.153 ng  
RT: 17.634 min Scan# 2473  
Delta R.T. 0.018 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:167 Resp: 1157106  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.1 25.7  
139 12.6 10.2 15.4





#74

Di-n-butylphthalate

Concen: 22.106 ng

RT: 18.222 min Scan# 2573

Delta R.T. 0.012 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

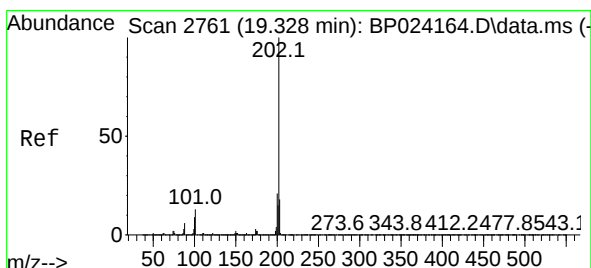
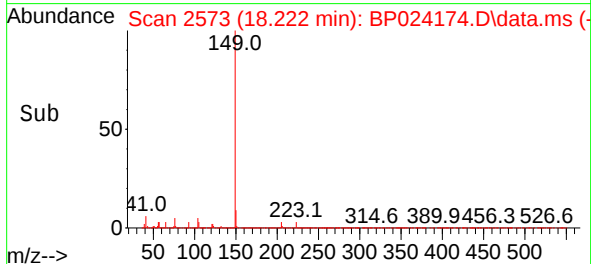
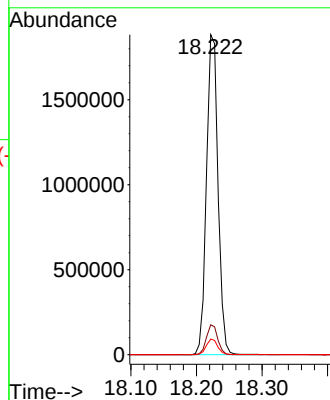
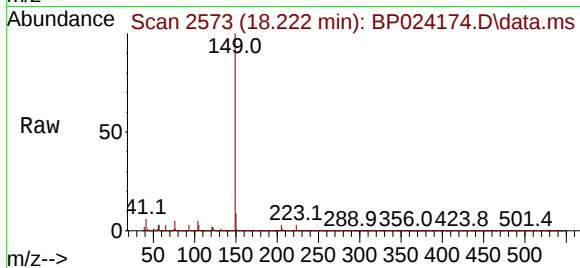
Tgt Ion:149 Resp: 2308580

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 4.9 3.9 5.9



#75

Fluoranthene

Concen: 27.371 ng

RT: 19.351 min Scan# 2765

Delta R.T. 0.023 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

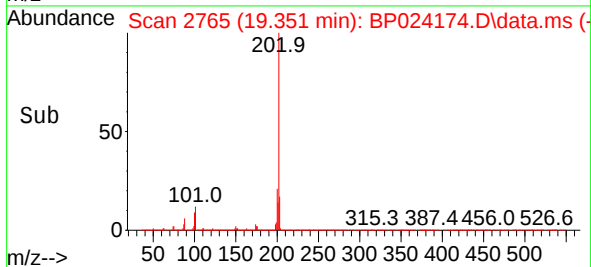
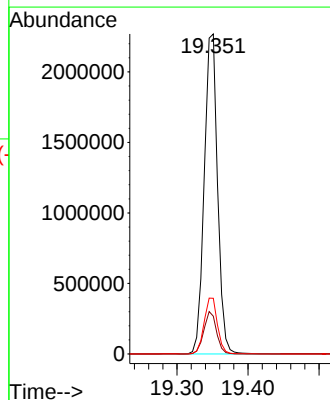
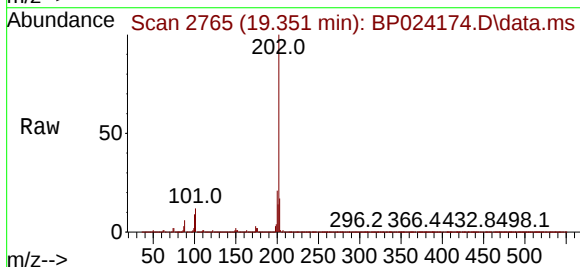
Tgt Ion:202 Resp: 2969094

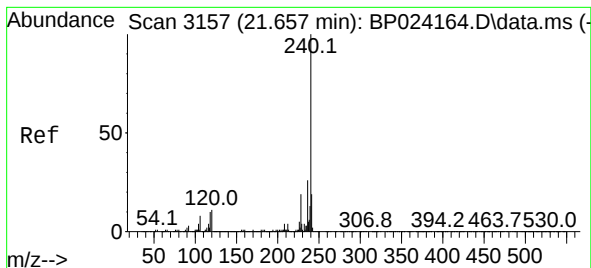
Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.5

203 17.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.674 min Scan# 3157

Delta R.T. 0.018 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

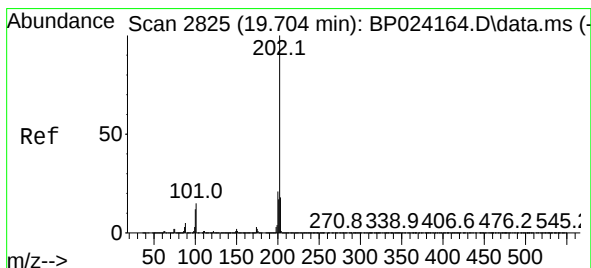
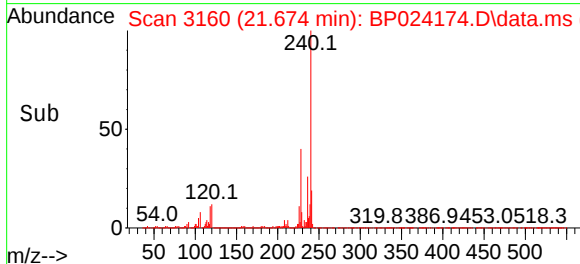
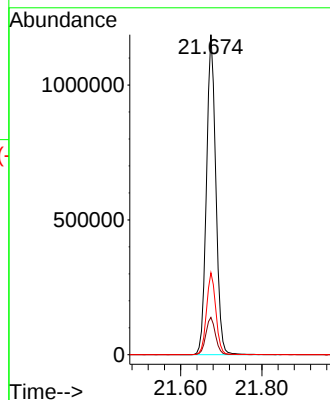
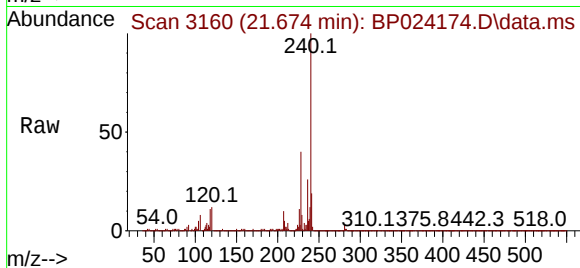
Tgt Ion:240 Resp: 1887366

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

236 25.6 20.4 30.6



#78

Pyrene

Concen: 31.762 ng

RT: 19.728 min Scan# 2829

Delta R.T. 0.023 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

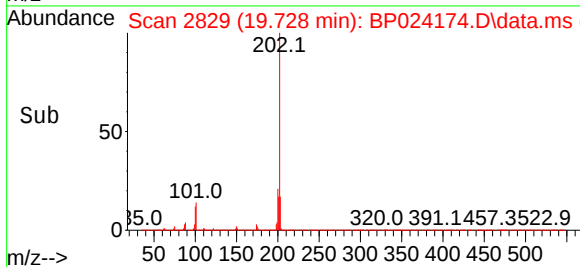
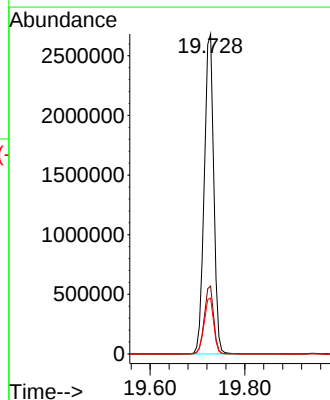
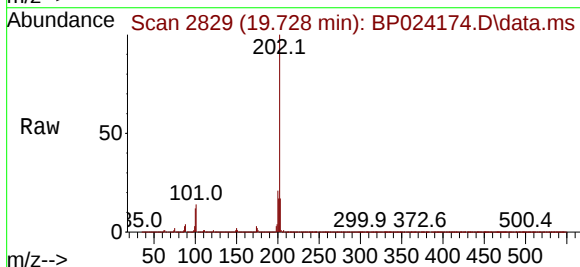
Tgt Ion:202 Resp: 3726848

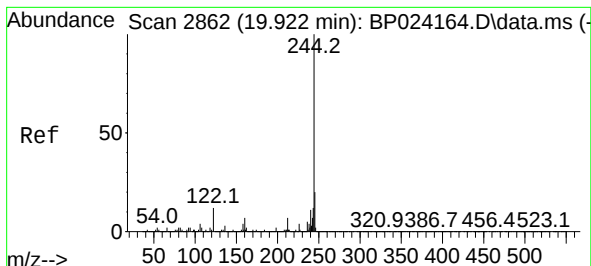
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 20.700 ng

RT: 19.945 min Scan# 21

Delta R.T. 0.023 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

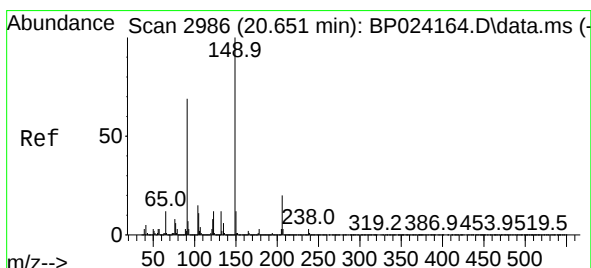
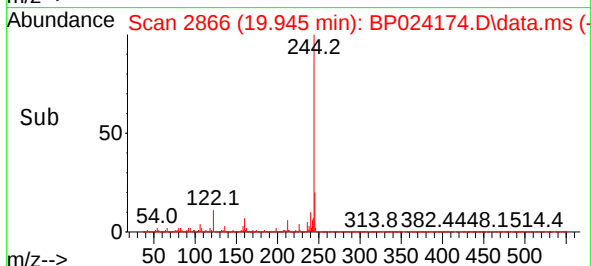
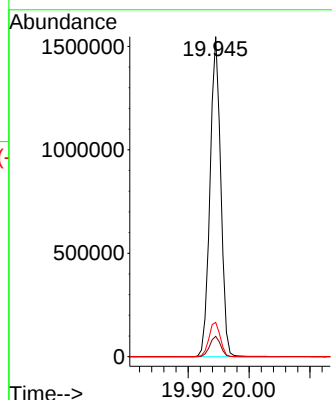
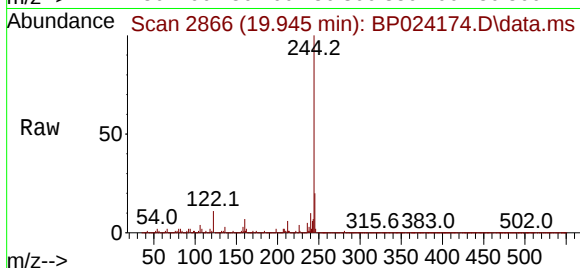
Tgt Ion:244 Resp: 1892676

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

122 10.7 9.6 14.4



#80

Butylbenzylphthalate

Concen: 35.208 ng

RT: 20.675 min Scan# 2990

Delta R.T. 0.023 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

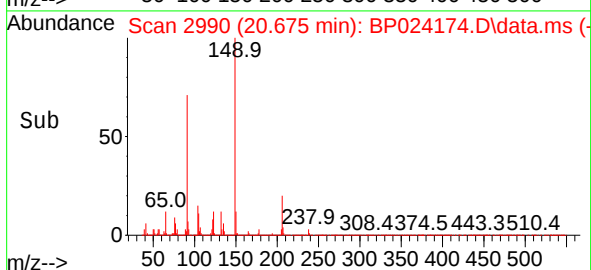
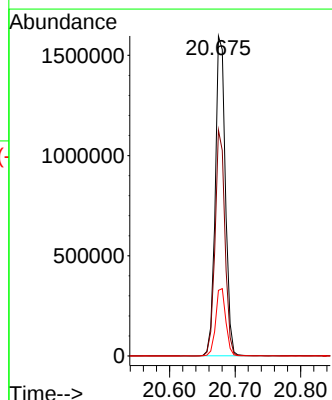
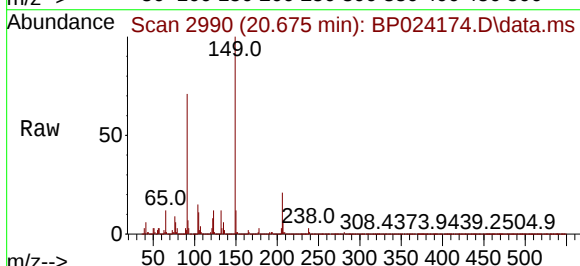
Tgt Ion:149 Resp: 1703614

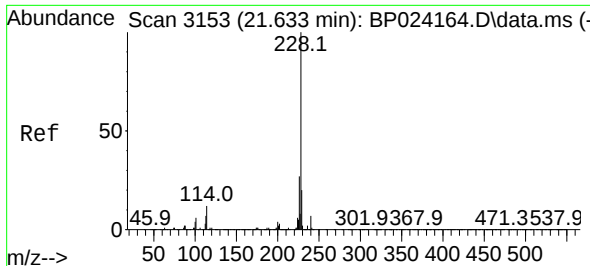
Ion Ratio Lower Upper

149 100

91 70.6 55.3 82.9

206 20.5 16.1 24.1

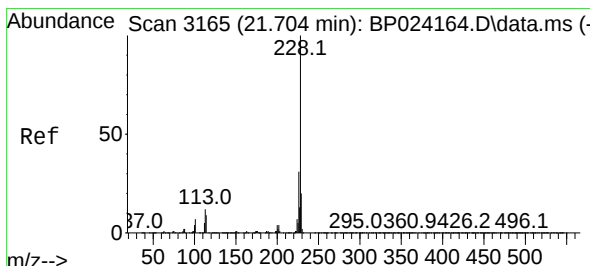
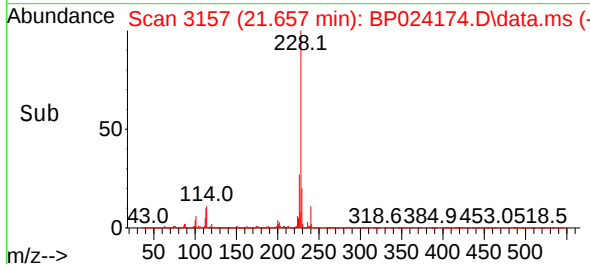
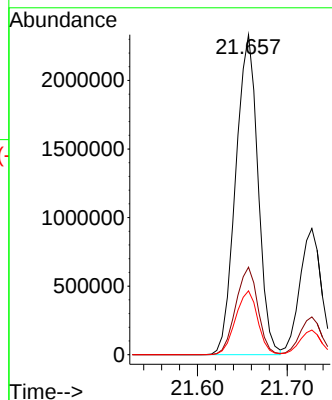
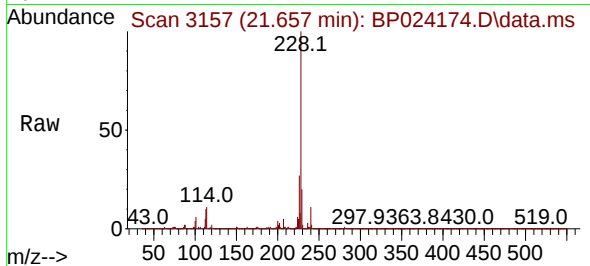




#81  
Benzo(a)anthracene  
Concen: 34.161 ng  
RT: 21.657 min Scan# 3157  
Delta R.T. 0.023 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

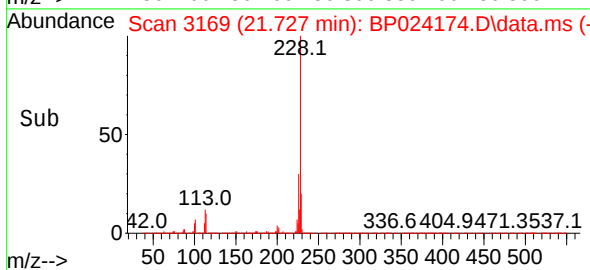
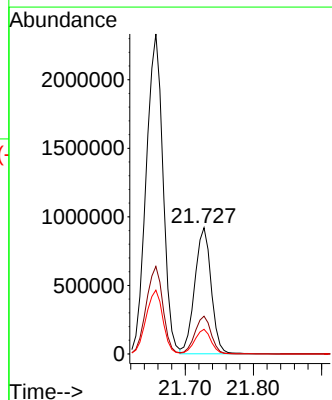
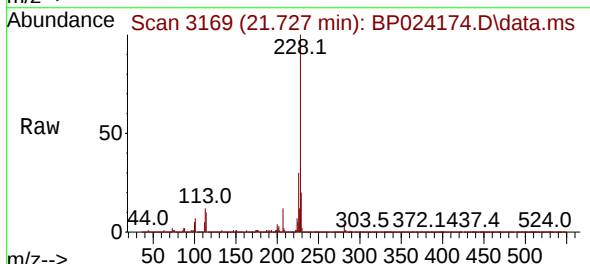
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

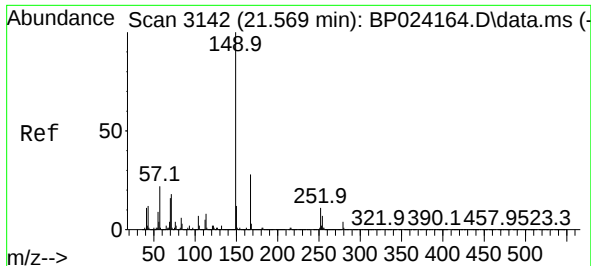
Tgt Ion:228 Resp: 4008591  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.9 16.0 24.0



#83  
Chrysene  
Concen: 13.647 ng  
RT: 21.727 min Scan# 3169  
Delta R.T. 0.023 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:228 Resp: 1539379  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.5 36.7  
229 19.5 16.2 24.2

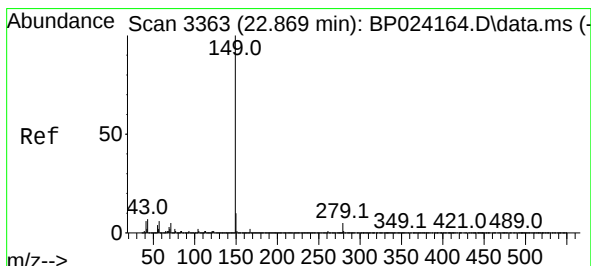
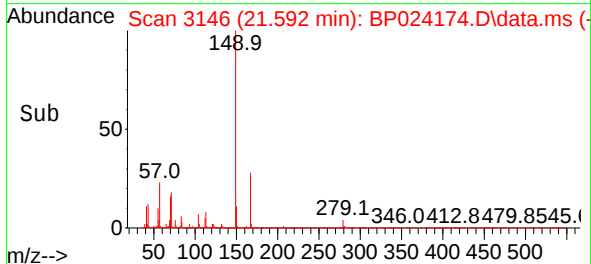
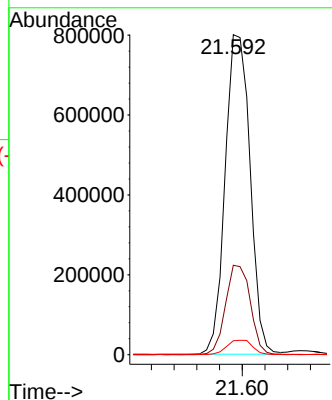
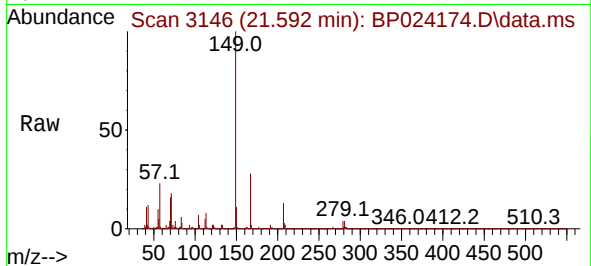




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 16.693 ng  
RT: 21.592 min Scan# 3146  
Delta R.T. 0.023 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

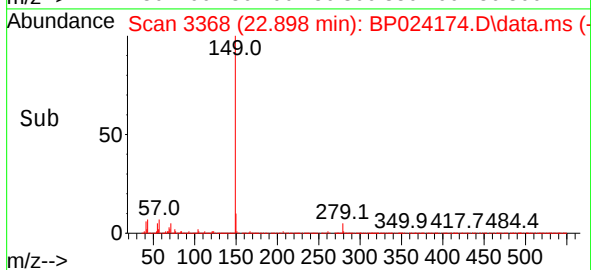
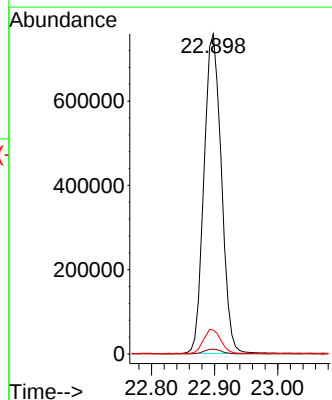
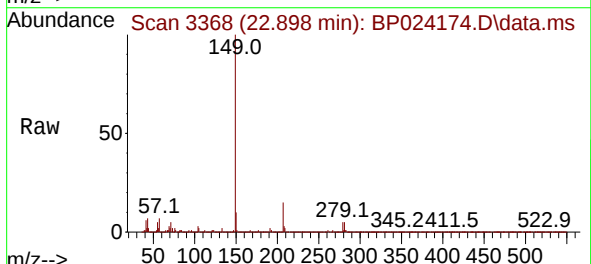
Instrument :  
BNA\_P  
ClientSampleId :  
PT-BN-WPDL

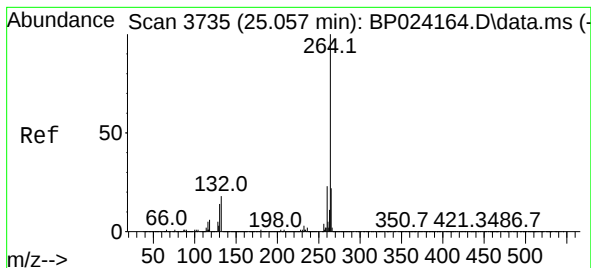
Tgt Ion:149 Resp: 1218780  
Ion Ratio Lower Upper  
149 100  
167 28.0 22.5 33.7  
279 4.4 3.6 5.4



#85  
Di-n-octyl phthalate  
Concen: 12.390 ng  
RT: 22.898 min Scan# 3368  
Delta R.T. 0.029 min  
Lab File: BP024174.D  
Acq: 13 Mar 2025 12:37

Tgt Ion:149 Resp: 1449396  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 7.7 5.8 8.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.086 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

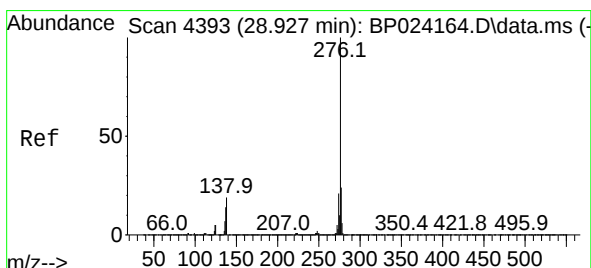
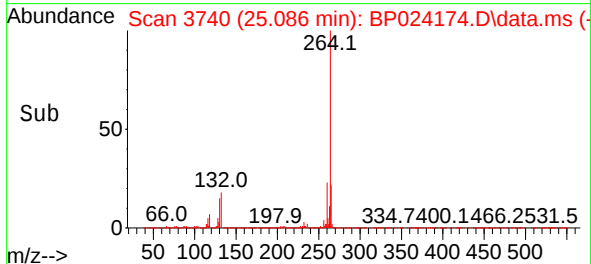
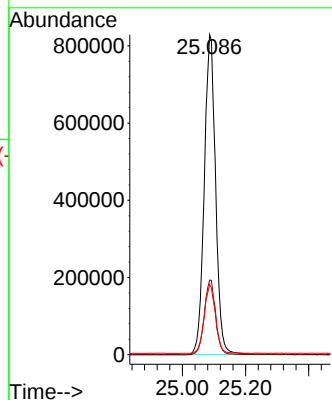
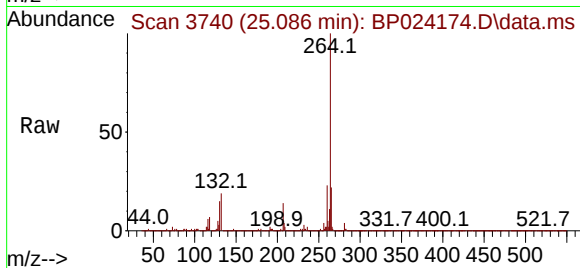
Tgt Ion:264 Resp: 2063786

Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.0 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.052 ng

RT: 29.045 min Scan# 4413

Delta R.T. 0.118 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

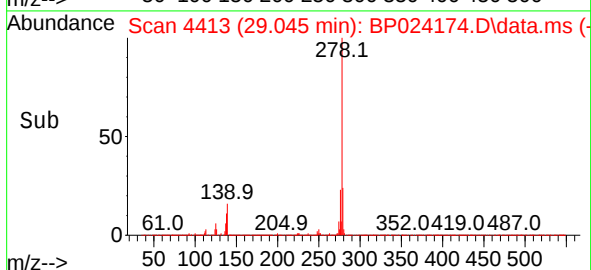
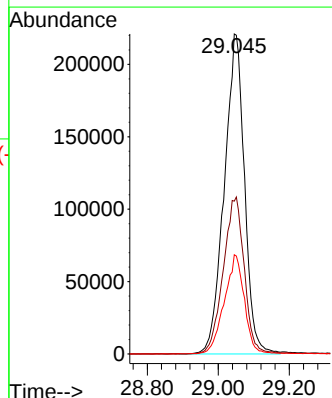
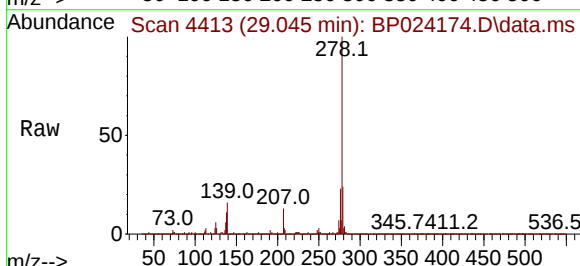
Tgt Ion:276 Resp: 871762

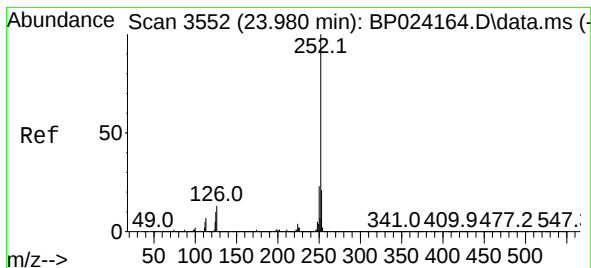
Ion Ratio Lower Upper

276 100

138 51.1 13.7 20.5#

277 30.6 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 17.769 ng

RT: 24.004 min Scan# 3556

Delta R.T. 0.023 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

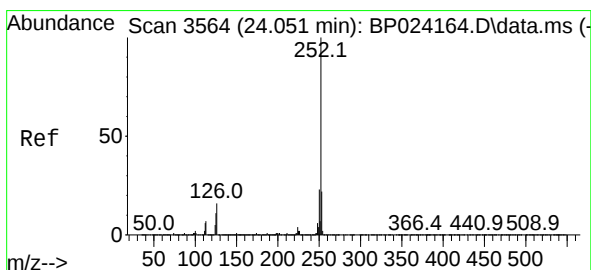
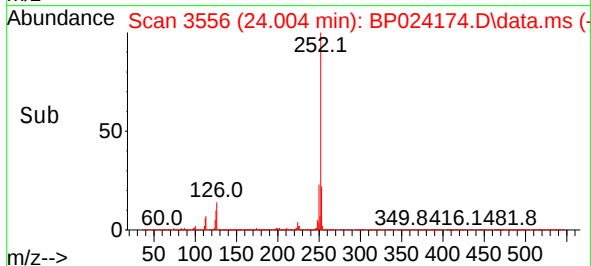
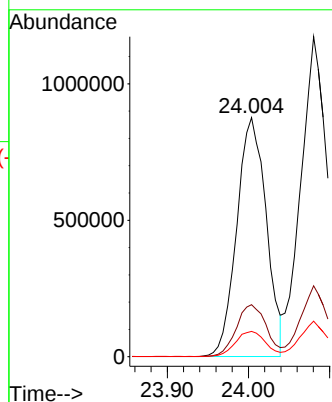
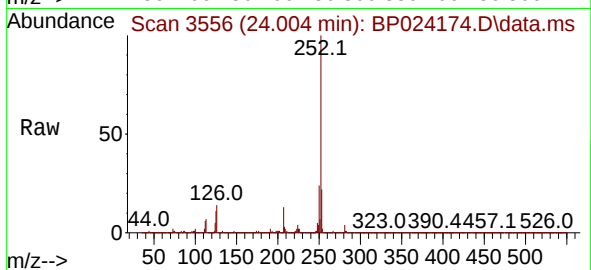
Tgt Ion:252 Resp: 2211070

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 10.6 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 22.596 ng

RT: 24.080 min Scan# 3569

Delta R.T. 0.029 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

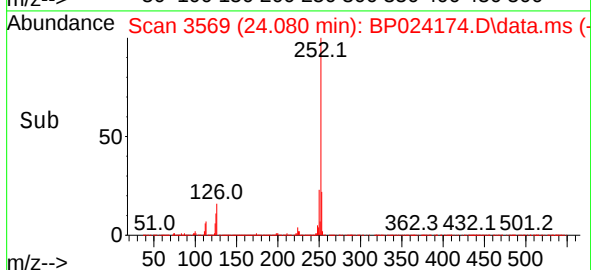
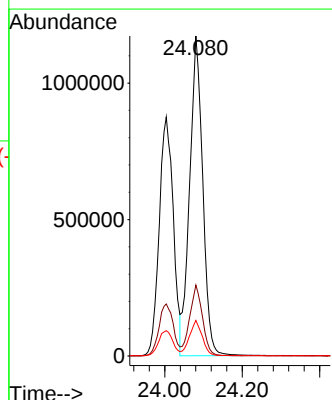
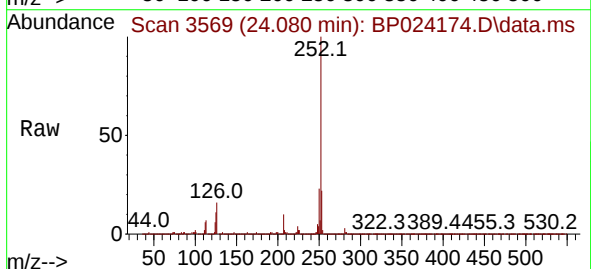
Tgt Ion:252 Resp: 2750384

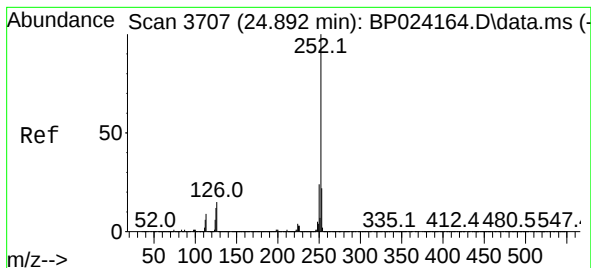
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.1 9.1 13.7





#90

Benzo(a)pyrene

Concen: 12.272 ng

RT: 24.927 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

Instrument :

BNA\_P

ClientSampleId :

PT-BN-WPDL

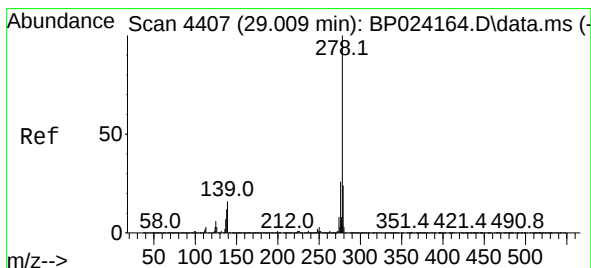
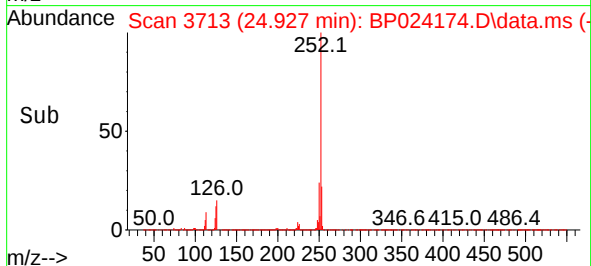
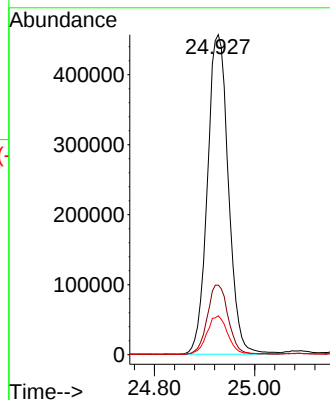
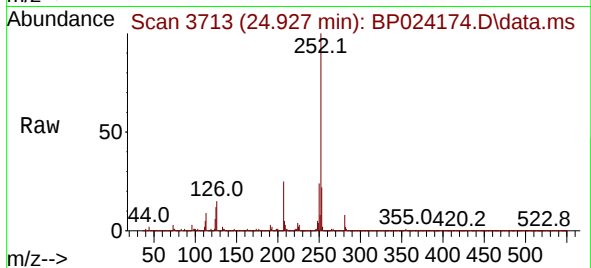
Tgt Ion:252 Resp: 1327891

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 12.2 9.6 14.4



#91

Dibenzo(a,h)anthracene

Concen: 31.223 ng

RT: 29.051 min Scan# 4414

Delta R.T. 0.041 min

Lab File: BP024174.D

Acq: 13 Mar 2025 12:37

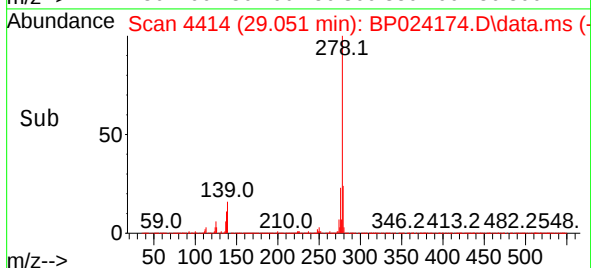
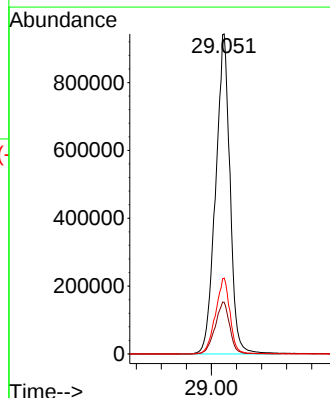
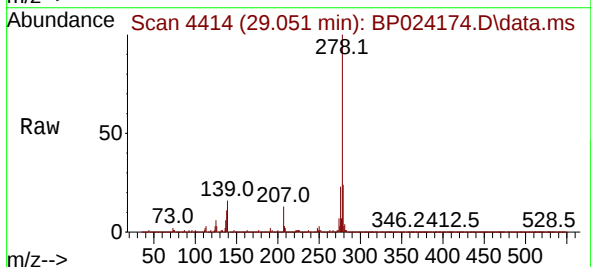
Tgt Ion:278 Resp: 3741481

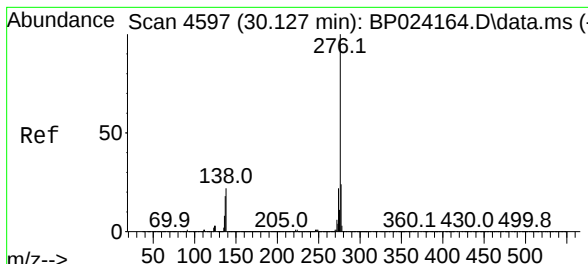
Ion Ratio Lower Upper

278 100

139 16.1 13.0 19.4

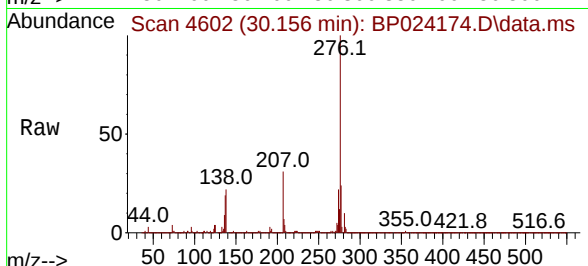
279 23.7 18.8 28.2





#92  
 Benzo(g,h,i)perylene  
 Concen: 15.894 ng  
 RT: 30.156 min Scan# 4  
 Delta R.T. 0.029 min  
 Lab File: BP024174.D  
 Acq: 13 Mar 2025 12:37

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PT-BN-WPDL



Tgt Ion: 276 Resp: 1936128

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.6  | 19.2  | 28.8  |
| 138 | 21.6  | 17.4  | 26.2  |

