

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040925\  
 Data File : BM049874.D  
 Acq On : 09 Apr 2025 19:01  
 Operator : RC/JU  
 Sample : Q1739-01 20X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-LIQUID-20250404

Quant Time: Apr 10 01:24:43 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 09 04:00:55 2025  
 Response via : Initial Calibration

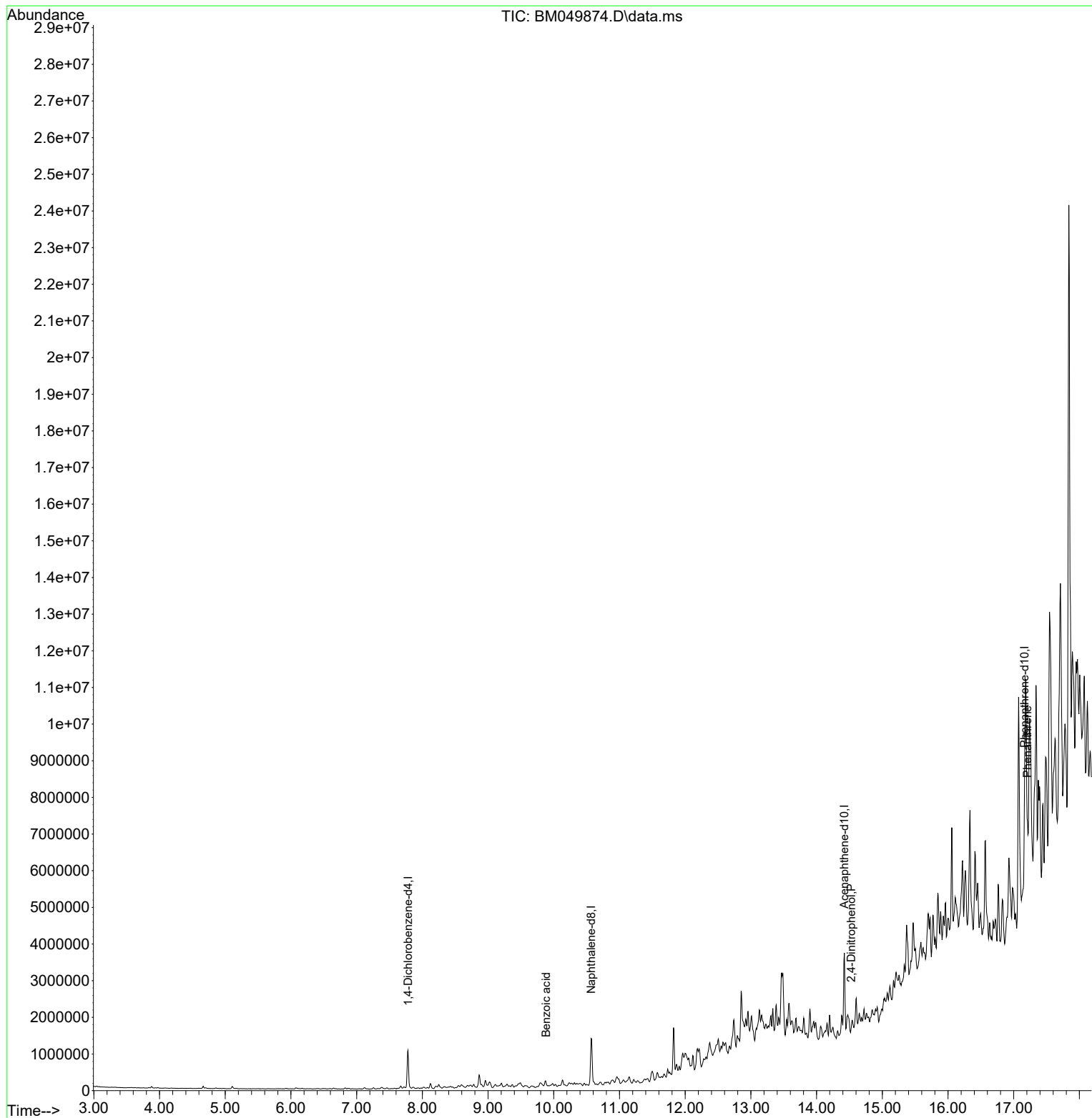
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.781  | 152  | 308218   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.569 | 136  | 1102332  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.422 | 164  | 706620   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.163 | 188  | 1461110  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.410 | 240  | 1753624  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 24.415 | 264  | 1659153  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.364  | 112  | 1018     | 0.056  | ng    | 0.00     |
| 7) Phenol-d6                | 6.958  | 99   | 1359     | 0.060  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.934  | 82   | 3379     | 0.171  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.910 | 330  | 1193     | 0.116  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.040 | 172  | 11467    | 0.220  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.792 | 244  | 27822    | 0.297  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid            | 9.881  | 122  | 204      | 8.550  | ng    | # 1      |
| 54) 2,4-Dinitrophenol       | 14.528 | 184  | 87       | 7.235  | ng    | # 1      |
| 71) Phenanthrene            | 17.210 | 178  | 199028   | 2.485  | ng    | # 88     |
| 75) Fluoranthene            | 19.227 | 202  | 1170698  | 11.886 | ng    | # 56     |
| 78) Pyrene                  | 19.586 | 202  | 1314242  | 10.874 | ng    | # 79     |
| 81) Benzo(a)anthracene      | 21.392 | 228  | 370264   | 3.177  | ng    | # 76     |
| 83) Chrysene                | 21.451 | 228  | 339306   | 3.062  | ng    | # 84     |
| 88) Benzo(b)fluoranthene    | 23.468 | 252  | 434875   | 4.104  | ng    | # 75     |
| 89) Benzo(k)fluoranthene    | 23.527 | 252  | 265854   | 2.589  | ng    | # 69     |
| -----                       |        |      |          |        |       |          |

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

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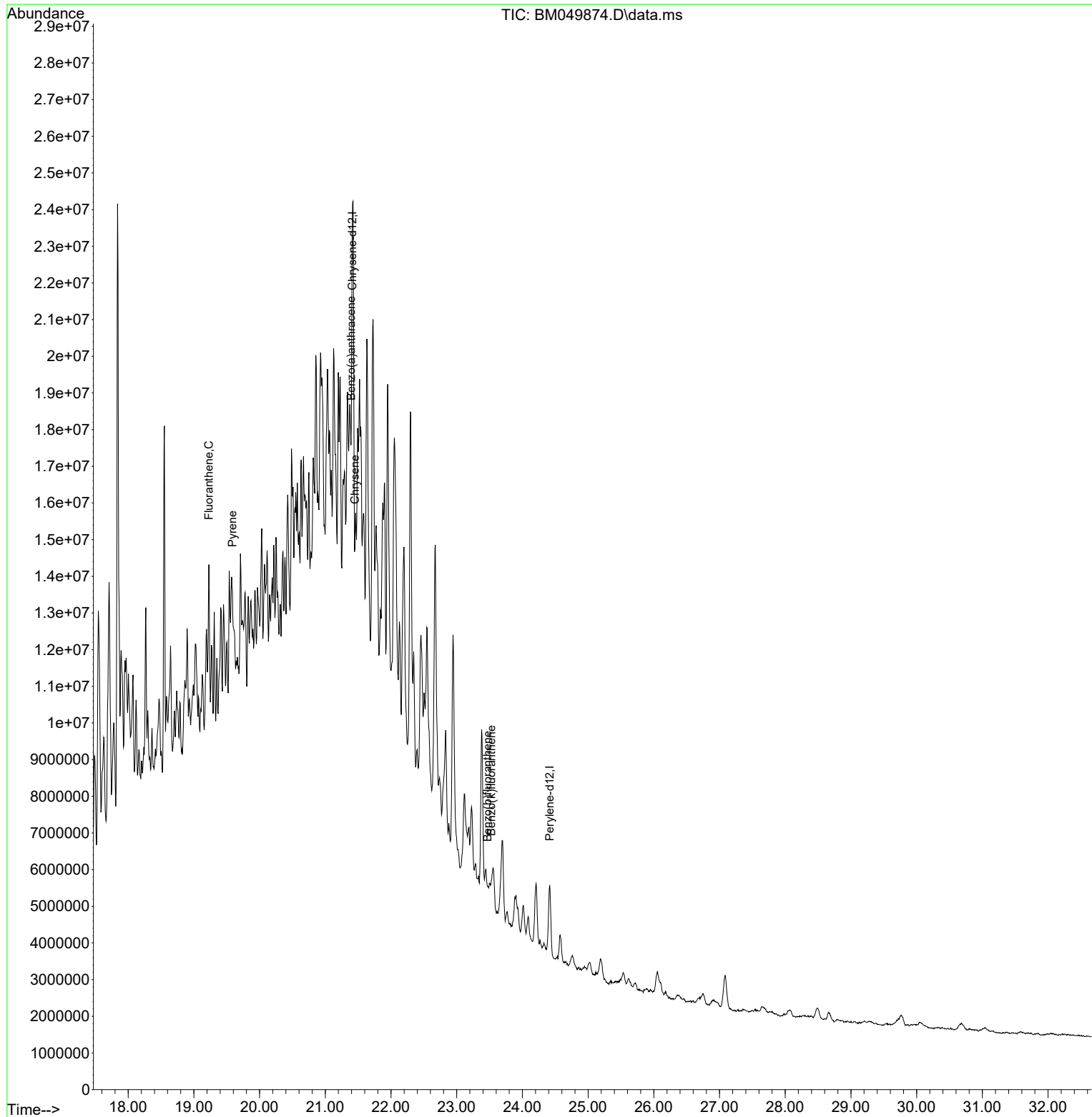
Quant Time: Apr 10 01:24:43 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM040825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 09 04:00:55 2025  
Response via : Initial Calibration

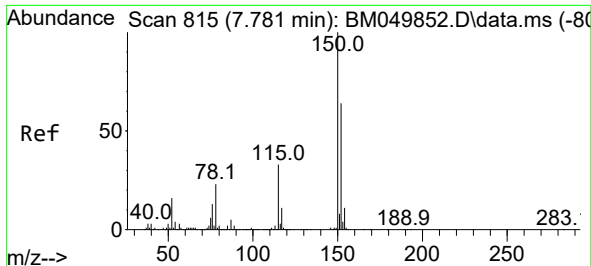


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040925\  
Data File : BM049874.D  
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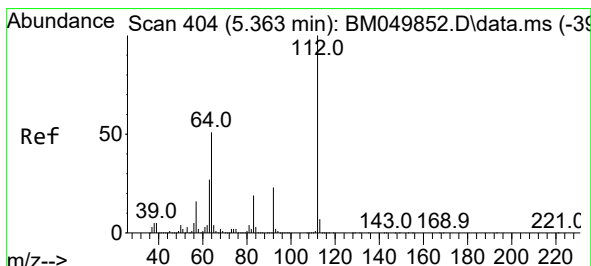
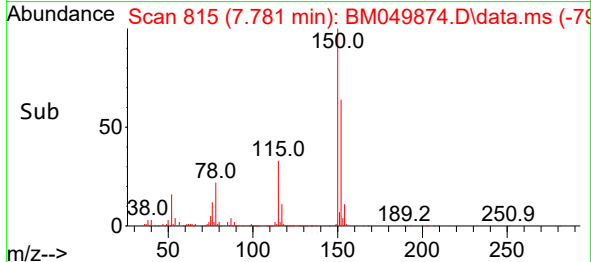
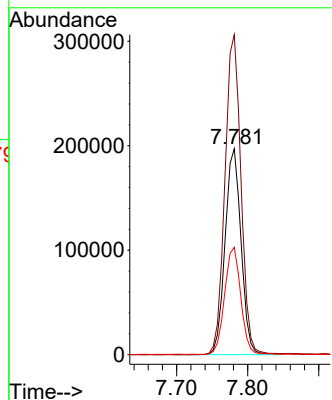
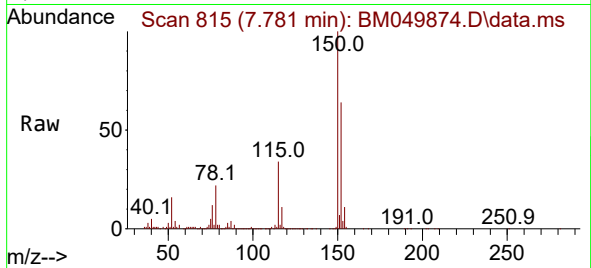




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.781 min Scan# 815  
Delta R.T. 0.000 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

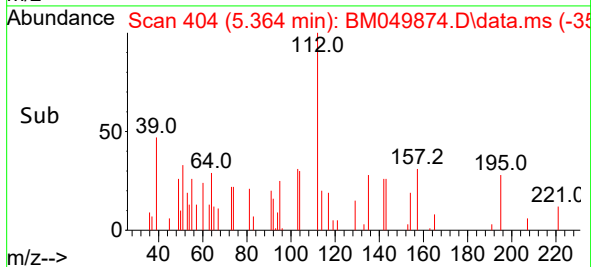
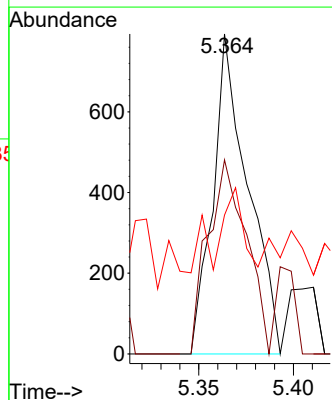
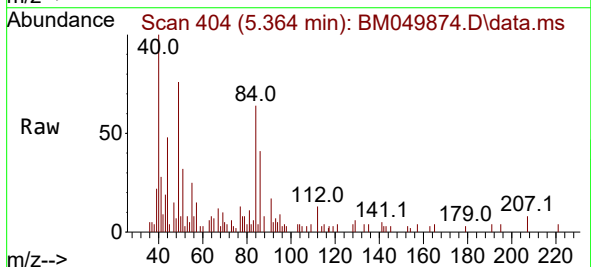
Instrument :  
BNA\_M  
ClientSampleId :  
WC-LIQUID-20250404

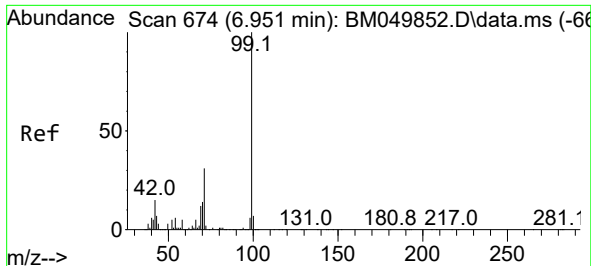
Tgt Ion:152 Resp: 308218  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.3 186.5  
115 52.1 41.1 61.7



#5  
2-Fluorophenol  
Concen: 0.056 ng  
RT: 5.364 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

Tgt Ion:112 Resp: 1018  
Ion Ratio Lower Upper  
112 100  
64 60.7 41.0 61.6  
63 43.4 21.5 32.3#

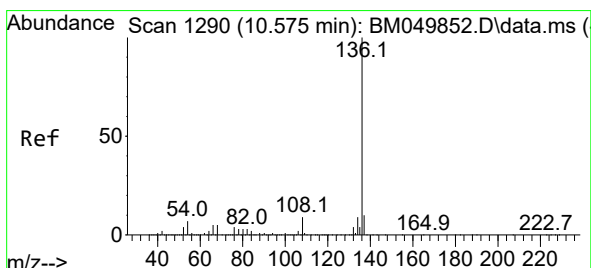
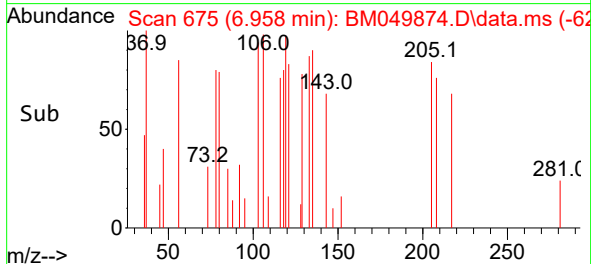
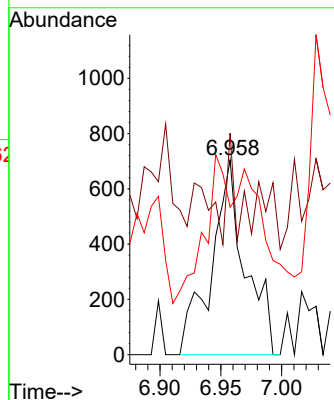
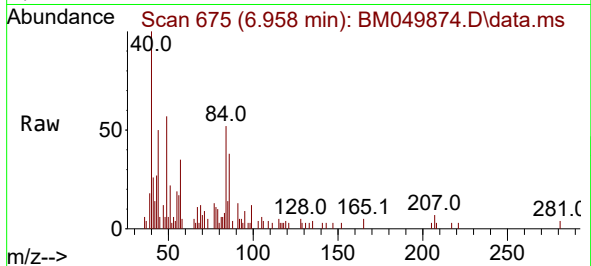




#7  
Phenol-d6  
Concen: 0.060 ng  
RT: 6.958 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

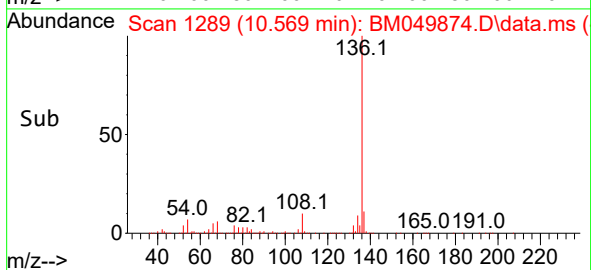
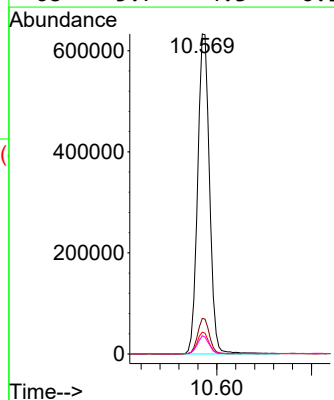
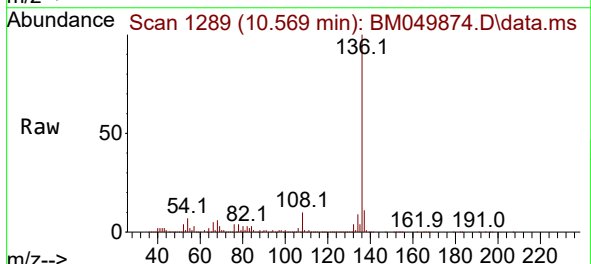
Instrument :  
BNA\_M  
ClientSampleId :  
WC-LIQUID-20250404

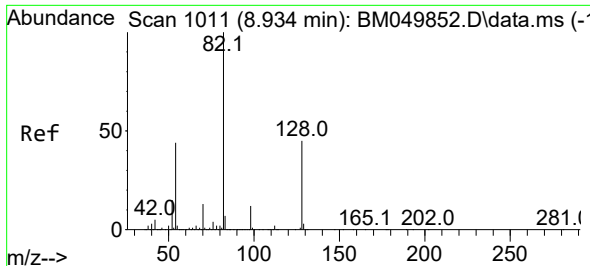
Tgt Ion: 99 Resp: 1359  
Ion Ratio Lower Upper  
99 100  
42 113.8 12.1 18.1#  
71 75.6 24.9 37.3#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.569 min Scan# 1289  
Delta R.T. -0.005 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

Tgt Ion:136 Resp: 1102332  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 6.8 5.3 7.9  
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 0.171 ng

RT: 8.934 min Scan# 1011

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

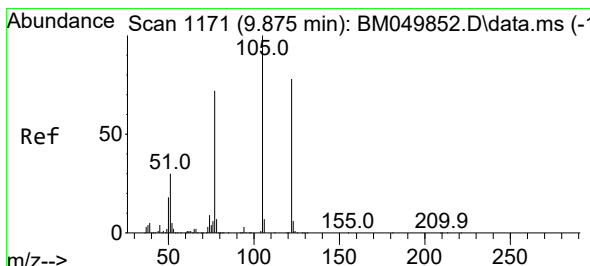
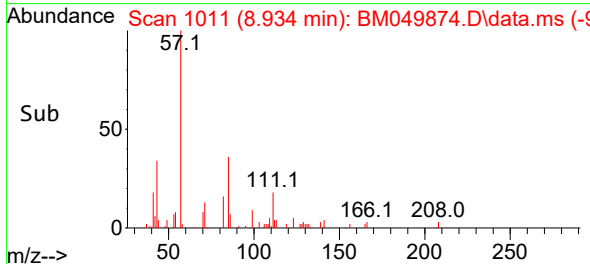
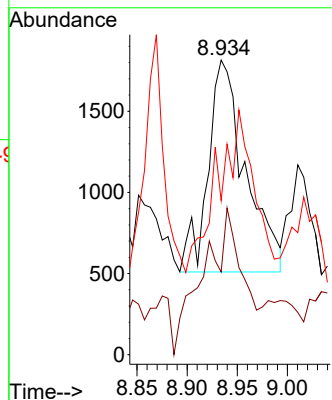
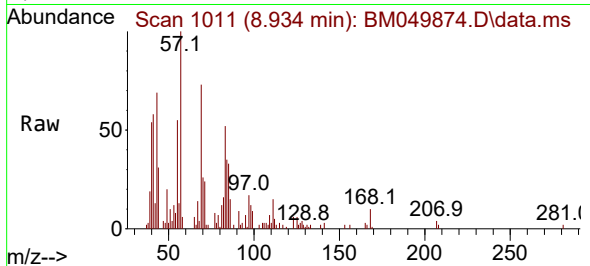
Tgt Ion: 82 Resp: 3379

Ion Ratio Lower Upper

82 100

128 28.1 36.2 54.2#

54 52.4 35.0 52.6



#32

Benzoic acid

Concen: 8.550 ng

RT: 9.881 min Scan# 1172

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

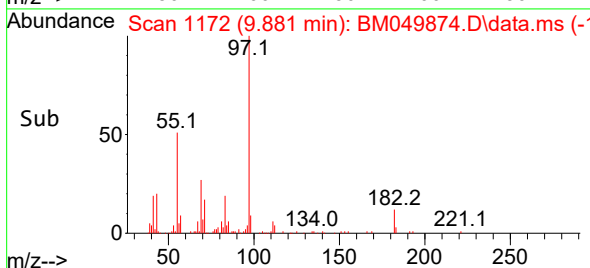
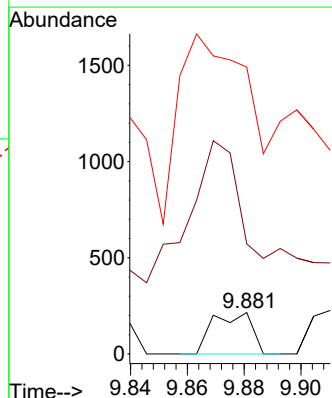
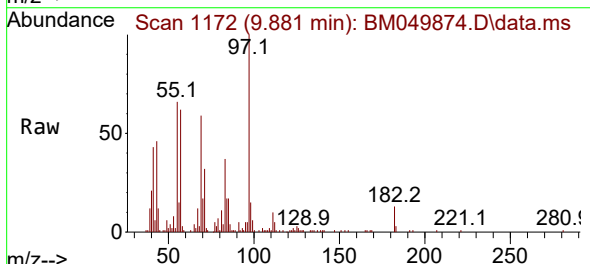
Tgt Ion: 122 Resp: 204

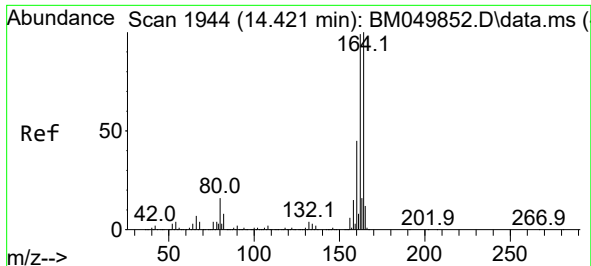
Ion Ratio Lower Upper

122 100

105 266.0 103.8 143.8#

77 693.5 70.7 110.7#

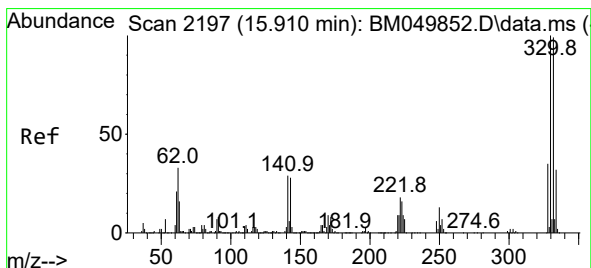
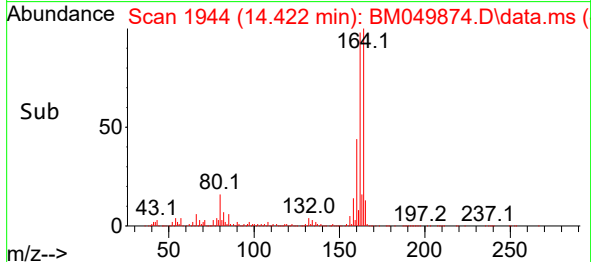
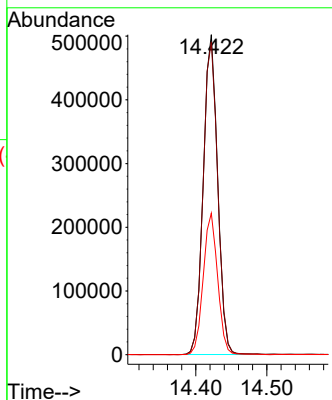
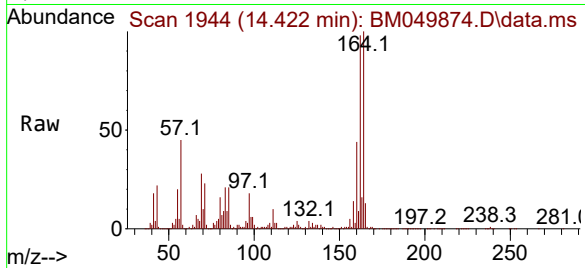




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.422 min Scan# 1944  
Delta R.T. 0.000 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

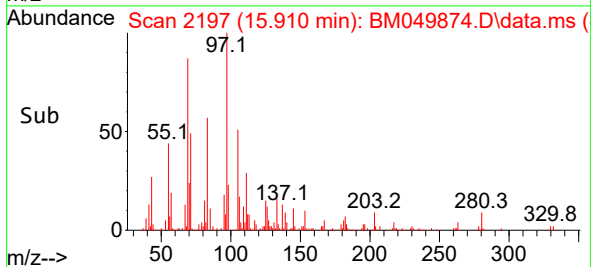
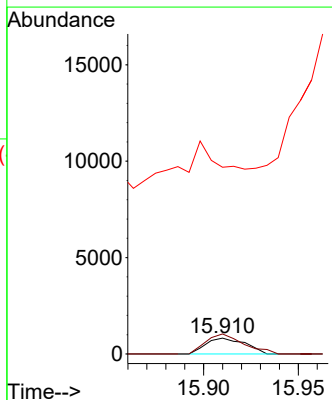
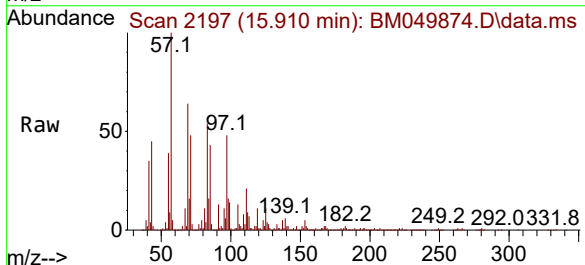
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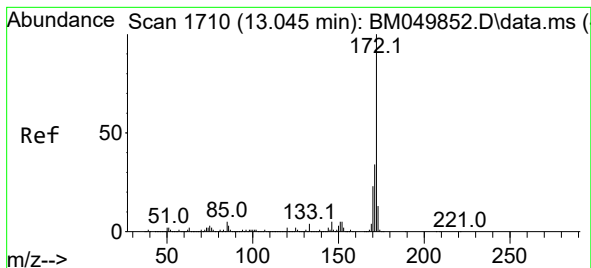
Tgt Ion:164 Resp: 706620  
Ion Ratio Lower Upper  
164 100  
162 97.7 79.4 119.0  
160 44.2 36.2 54.2



#42  
2,4,6-Tribromophenol  
Concen: 0.116 ng  
RT: 15.910 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

Tgt Ion:330 Resp: 1193  
Ion Ratio Lower Upper  
330 100  
332 119.9 78.0 117.0#  
141 332.3 23.5 35.3#





#45

2-Fluorobiphenyl

Concen: 0.220 ng

RT: 13.040 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

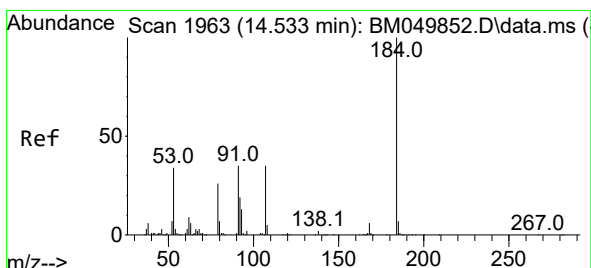
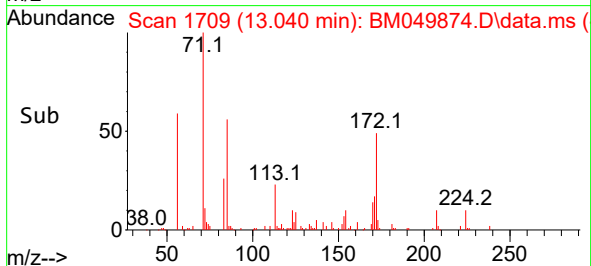
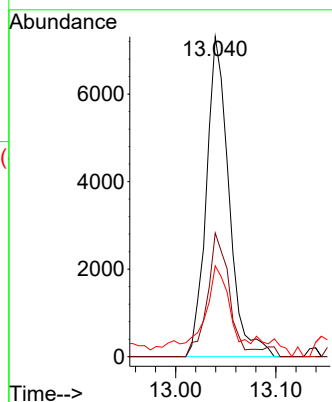
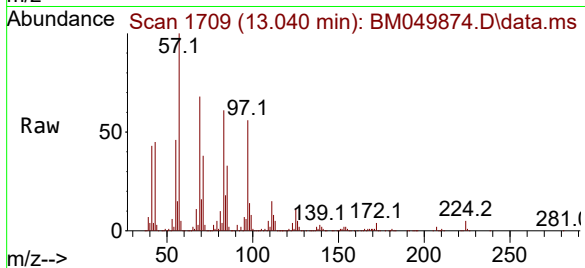
Tgt Ion:172 Resp: 11467

Ion Ratio Lower Upper

172 100

171 38.7 27.4 41.2

170 28.4 18.6 28.0#



#54

2,4-Dinitrophenol

Concen: 7.235 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.005 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

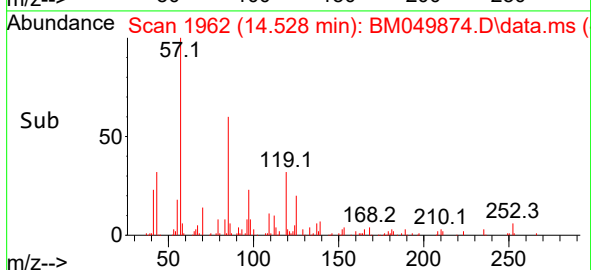
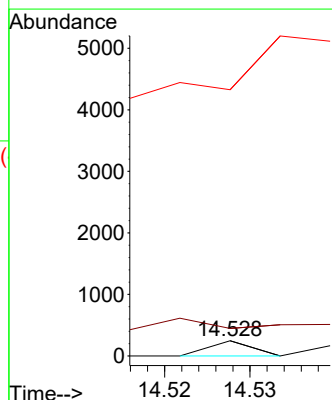
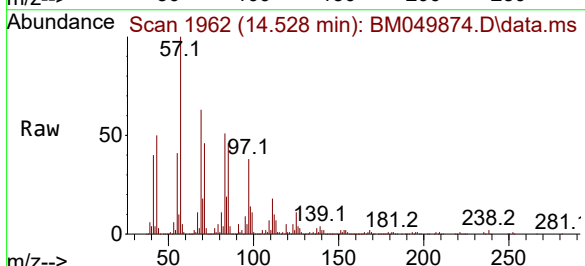
Tgt Ion:184 Resp: 87

Ion Ratio Lower Upper

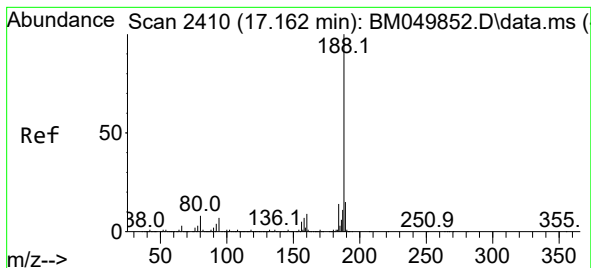
184 100

63 181.7 38.4 57.6#

154 1758.9 48.1 72.1#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.163 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

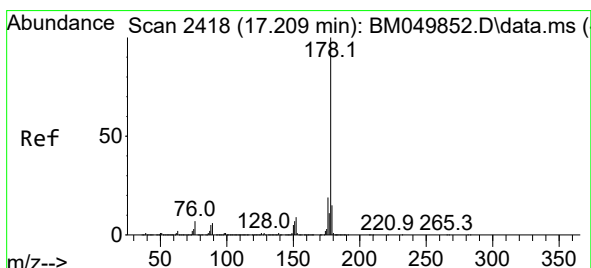
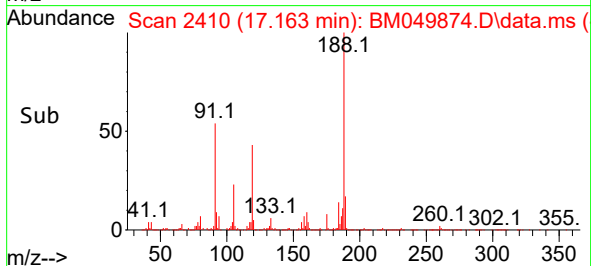
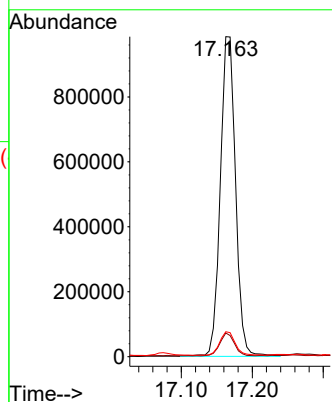
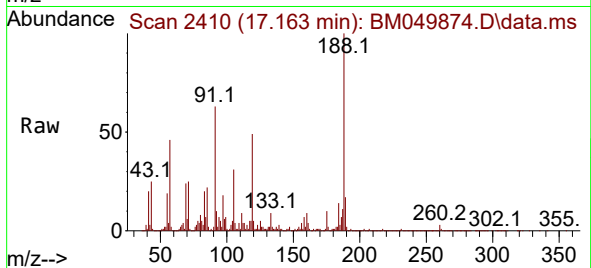
Tgt Ion:188 Resp: 1461110

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 7.8 6.4 9.6



#71

Phenanthrene

Concen: 2.485 ng

RT: 17.210 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

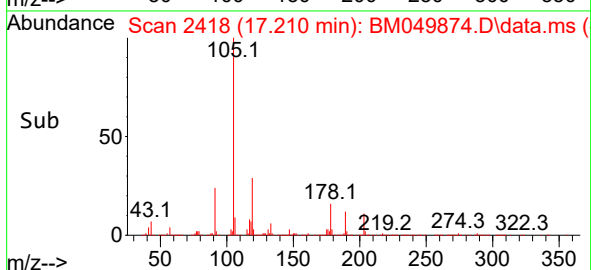
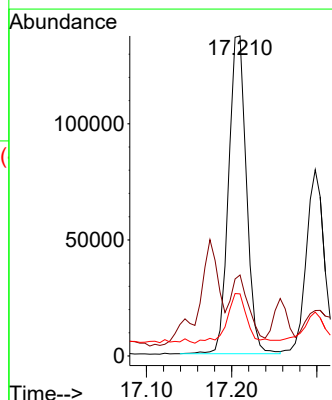
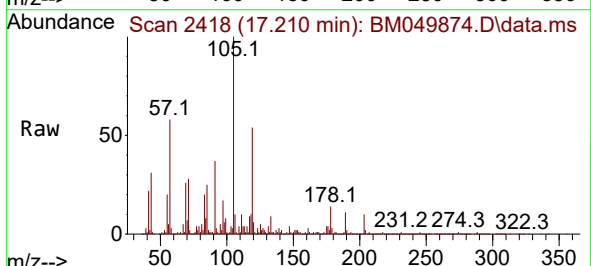
Tgt Ion:178 Resp: 199028

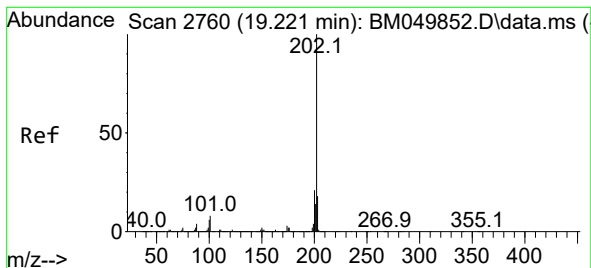
Ion Ratio Lower Upper

178 100

176 25.3 15.4 23.2#

179 19.4 12.3 18.5#





#75

Fluoranthene

Concen: 11.886 ng

RT: 19.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

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BNA\_M

ClientSampleId :

WC-LIQUID-20250404

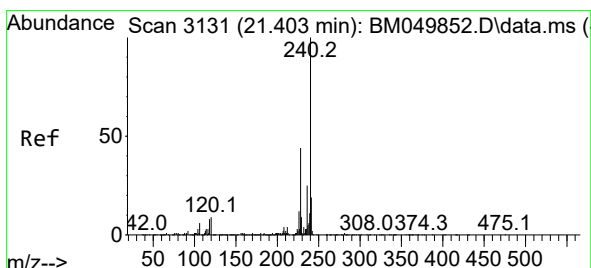
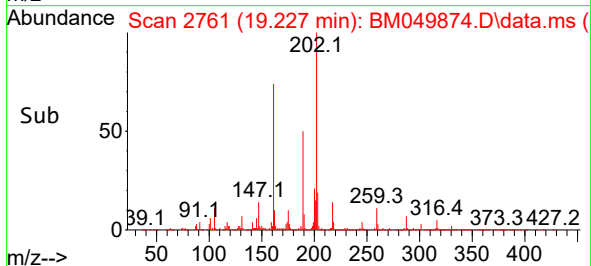
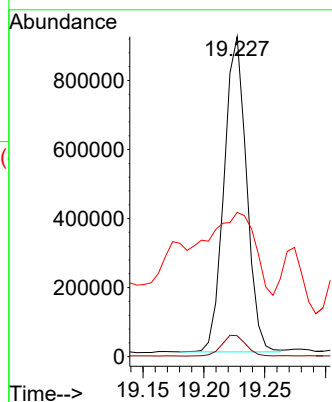
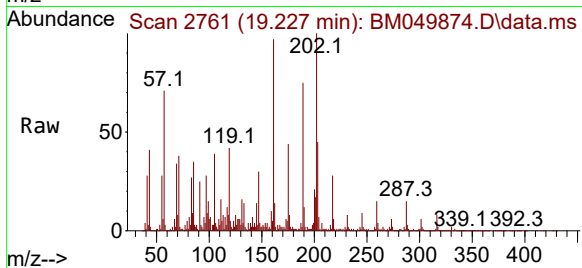
Tgt Ion:202 Resp: 1170698

Ion Ratio Lower Upper

202 100

101 6.6 0.0 28.4

203 45.1 0.0 37.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3132

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

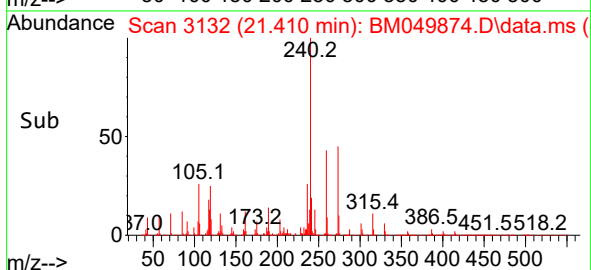
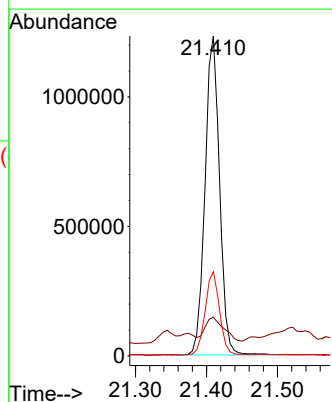
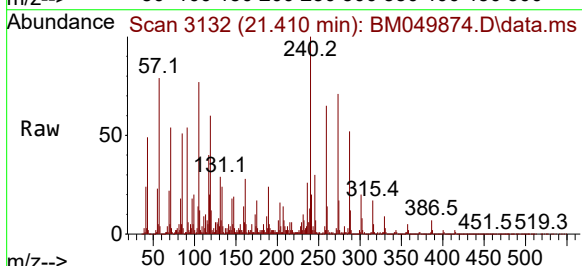
Tgt Ion:240 Resp: 1753624

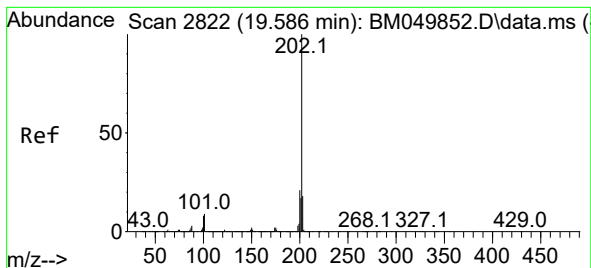
Ion Ratio Lower Upper

240 100

120 12.2 6.9 10.3#

236 26.4 20.4 30.6





#78

Pyrene

Concen: 10.874 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

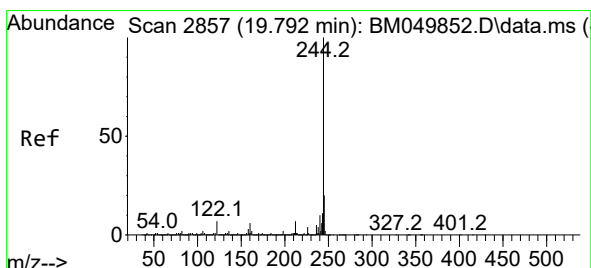
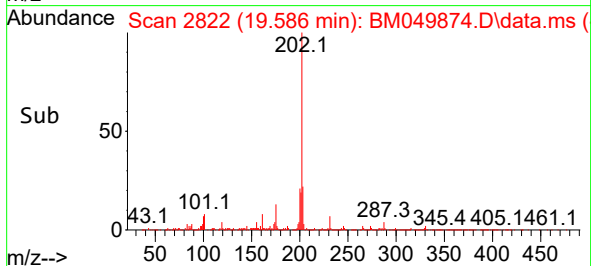
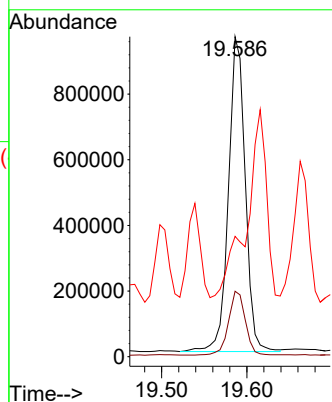
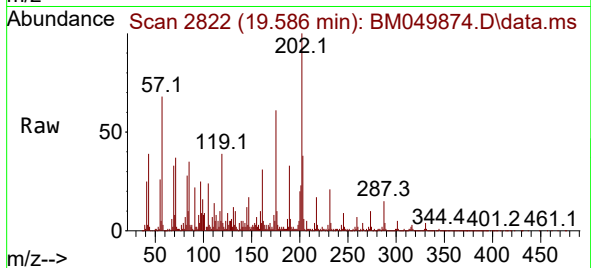
Tgt Ion:202 Resp: 1314242

Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 37.6 14.0 21.0#



#79

Terphenyl-d14

Concen: 0.297 ng

RT: 19.792 min Scan# 2857

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

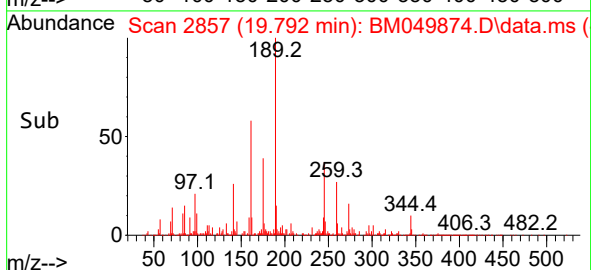
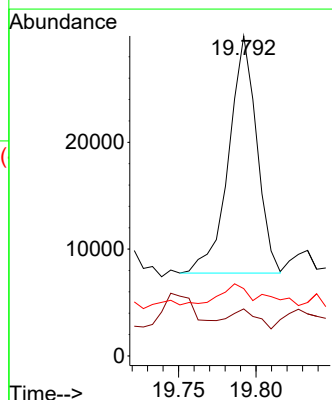
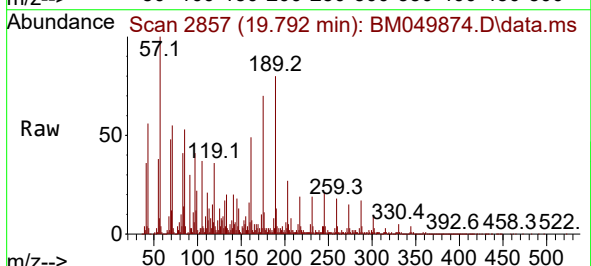
Tgt Ion:244 Resp: 27822

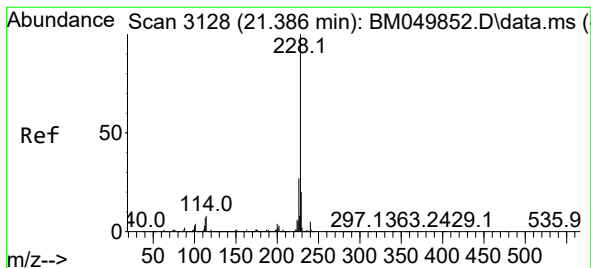
Ion Ratio Lower Upper

244 100

212 14.7 5.5 8.3#

122 21.1 5.4 8.0#





#81

Benzo(a)anthracene

Concen: 3.177 ng

RT: 21.392 min Scan# 3128

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

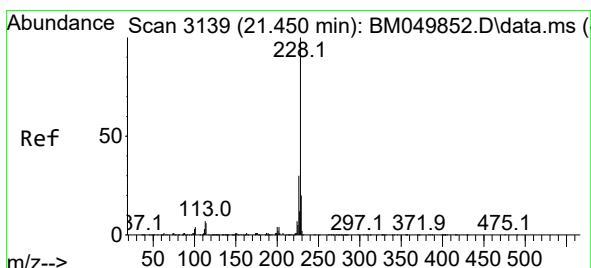
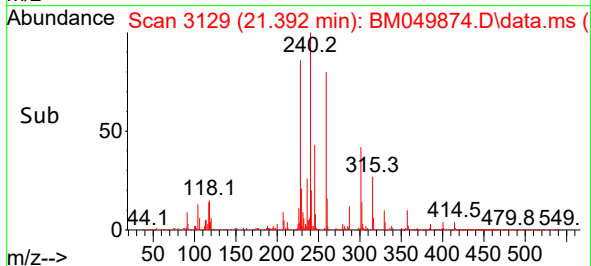
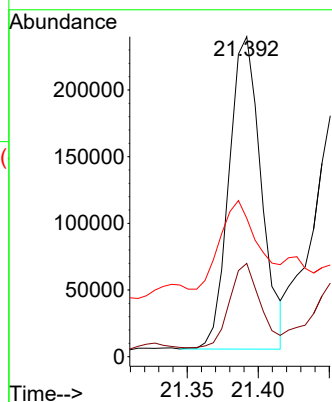
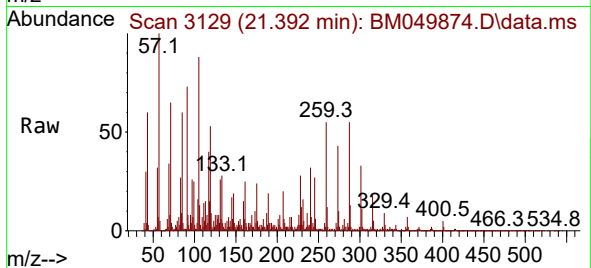
Tgt Ion:228 Resp: 370264

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

229 43.2 15.8 23.8#



#83

Chrysene

Concen: 3.062 ng

RT: 21.451 min Scan# 3139

Delta R.T. 0.000 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

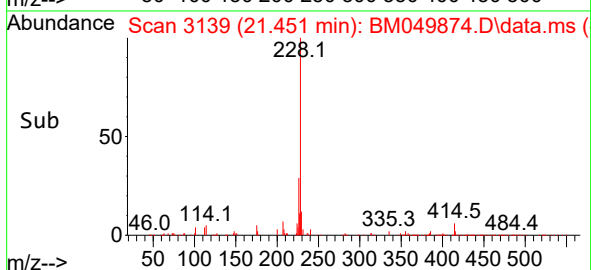
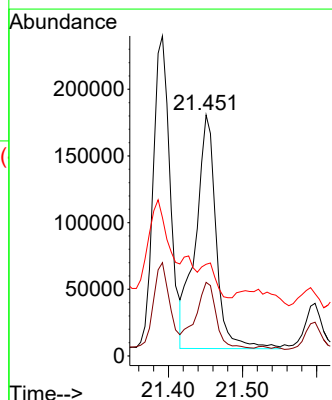
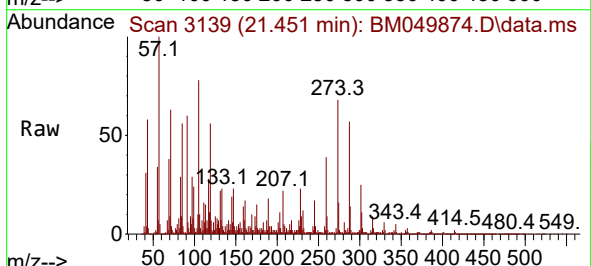
Tgt Ion:228 Resp: 339306

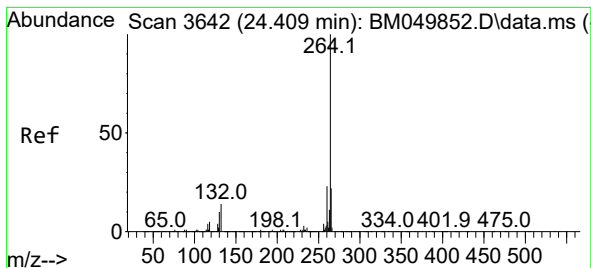
Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 38.1 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.415 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

Instrument :

BNA\_M

ClientSampleId :

WC-LIQUID-20250404

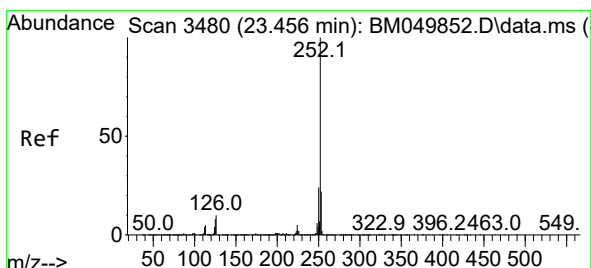
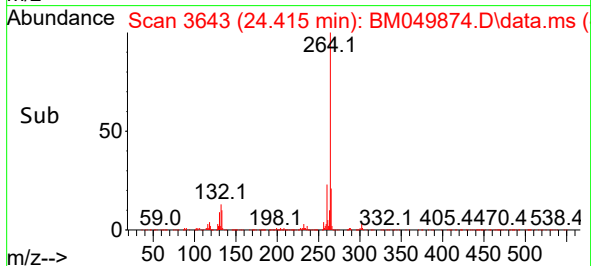
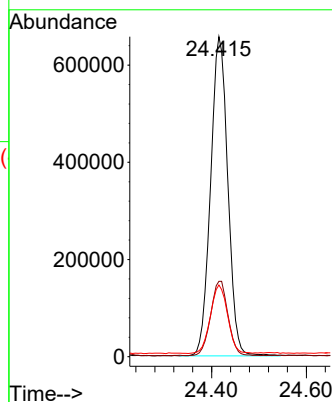
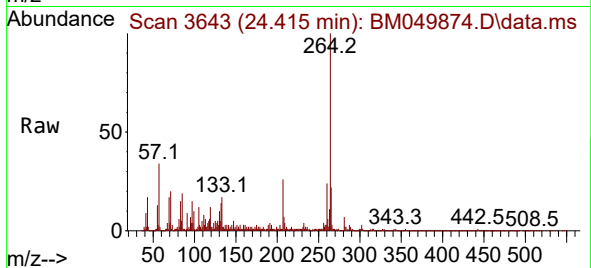
Tgt Ion:264 Resp: 1659153

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.4 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.104 ng

RT: 23.468 min Scan# 3482

Delta R.T. 0.012 min

Lab File: BM049874.D

Acq: 09 Apr 2025 19:01

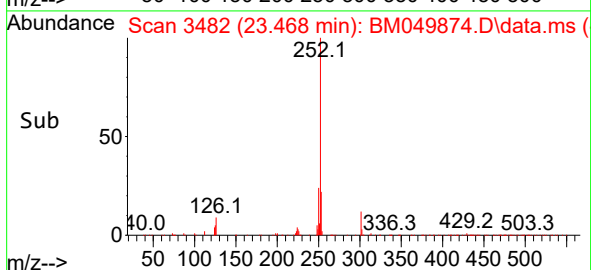
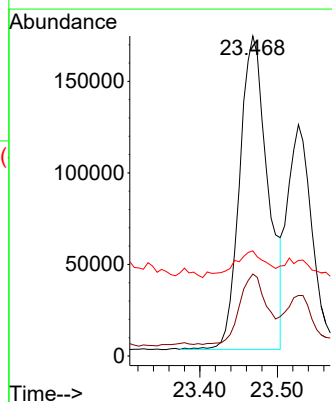
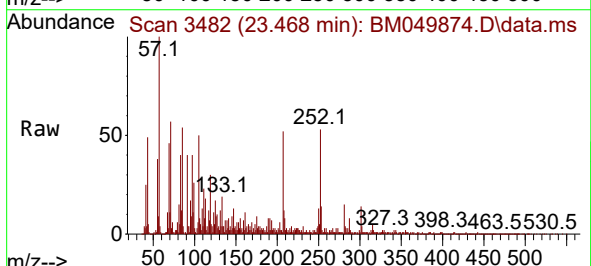
Tgt Ion:252 Resp: 434875

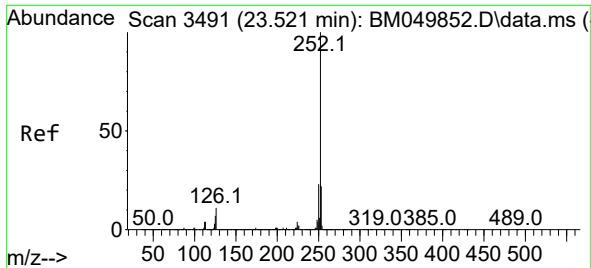
Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

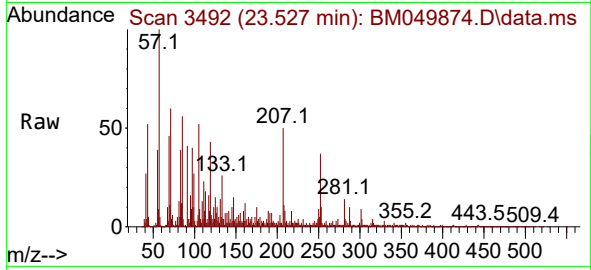
125 32.9 6.2 9.4#





#89  
Benzo(k)fluoranthene  
Concen: 2.589 ng  
RT: 23.527 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: BM049874.D  
Acq: 09 Apr 2025 19:01

Instrument :  
BNA\_M  
ClientSampleId :  
WC-LIQUID-20250404



Tgt Ion:252 Resp: 265854  
Ion Ratio Lower Upper  
252 100  
253 26.1 17.4 26.2  
125 41.3 5.8 8.8#

