

Data Path : C:\Users\eUser\Desktop\Dhruv Practice\BP\  
 Data File : BP024967.D  
 Acq On : 16 Jun 2025 19:06  
 Operator : RC/JU  
 Sample : Q2322-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CL-01-061325

Quant Time: Jun 17 01:20:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 06 16:20:27 2025  
 Response via : Initial Calibration

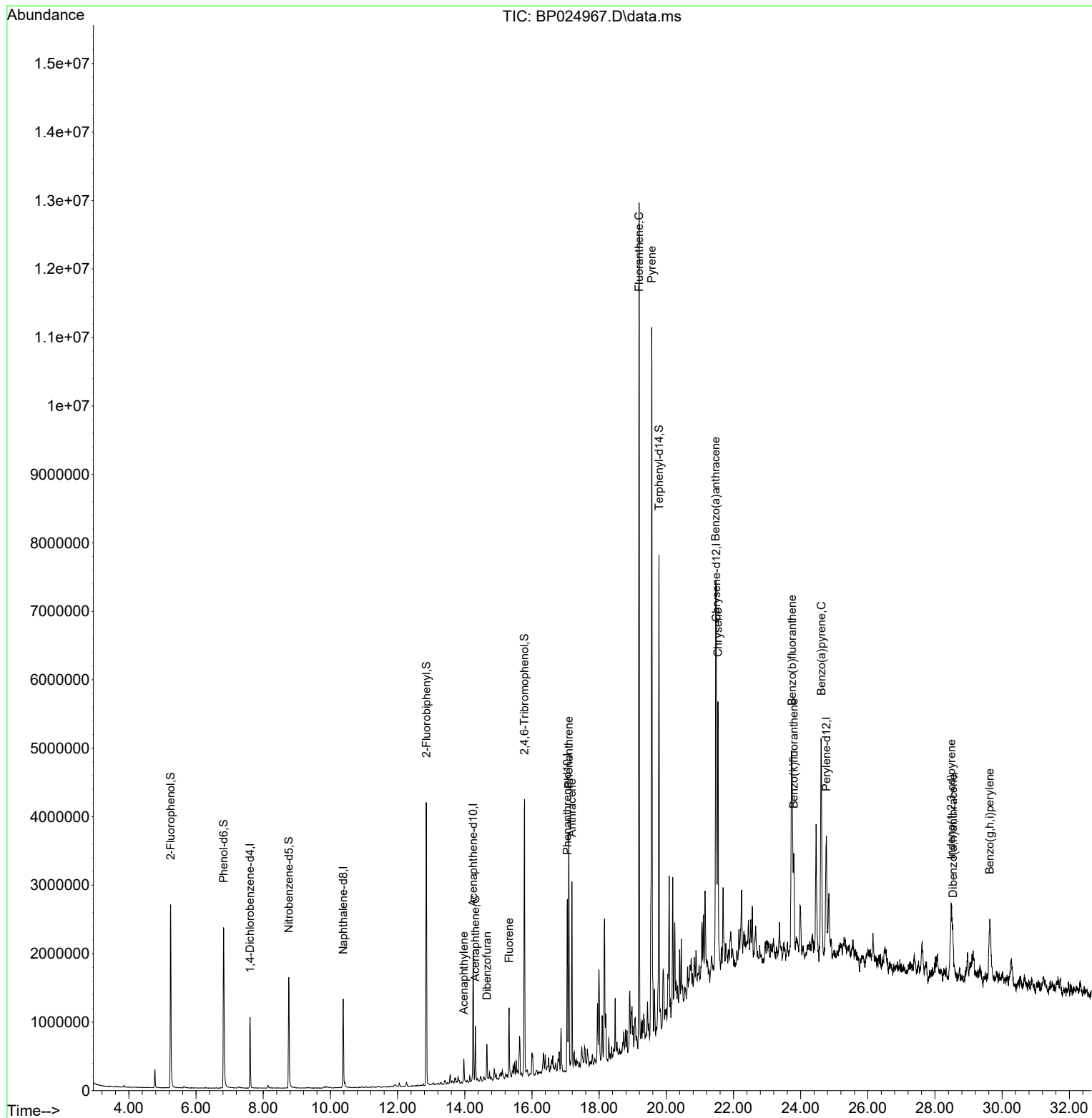
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.607  | 152  | 283741   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.378 | 136  | 1127333  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.248 | 164  | 711305   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.054 | 188  | 1412941  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.489 | 240  | 1479892  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.765 | 264  | 1738602  | 20.000 | ng    | 0.05     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.243  | 112  | 1321393  | 77.735 | ng    | 0.00     |
| 7) Phenol-d6                | 6.819  | 99   | 1716959  | 76.340 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.760  | 82   | 1037294  | 44.712 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.778 | 330  | 785513   | 79.876 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.854 | 172  | 2204314  | 41.747 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.783 | 244  | 3377030  | 40.898 | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 49) Acenaphthylene          | 13.972 | 152  | 234435   | 3.539  | ng    | 98       |
| 52) Acenaphthene            | 14.313 | 154  | 276985   | 7.297  | ng    | 99       |
| 55) Dibenzofuran            | 14.660 | 168  | 296457   | 4.865  | ng    | 97       |
| 58) Fluorene                | 15.319 | 166  | 448662   | 9.115  | ng    | 99       |
| 71) Phenanthrene            | 17.095 | 178  | 2048461  | 26.235 | ng    | 99       |
| 72) Anthracene              | 17.189 | 178  | 1556111  | 19.678 | ng    | 100      |
| 75) Fluoranthene            | 19.189 | 202  | 6700522  | 74.039 | ng    | 99       |
| 78) Pyrene                  | 19.566 | 202  | 6224939  | 67.329 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.471 | 228  | 3304309  | 34.910 | ng    | 98       |
| 83) Chrysene                | 21.536 | 228  | 2667188  | 29.740 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 28.483 | 276  | 1928835  | 15.205 | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.742 | 252  | 3622290m | 36.405 | ng    |          |
| 89) Benzo(k)fluoranthene    | 23.795 | 252  | 1457766m | 14.393 | ng    |          |
| 90) Benzo(a)pyrene          | 24.612 | 252  | 3044969  | 31.336 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 28.536 | 278  | 508229   | 4.922  | ng    | # 88     |
| 92) Benzo(g,h,i)perylene    | 29.630 | 276  | 1858809  | 18.144 | ng    | 98       |

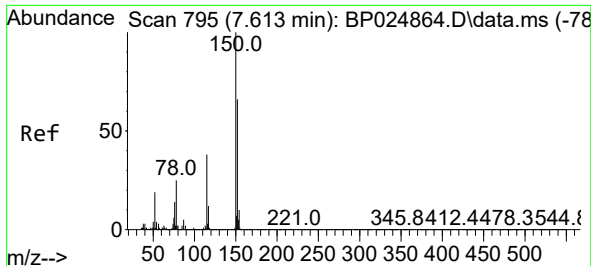
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 06 16:20:27 2025  
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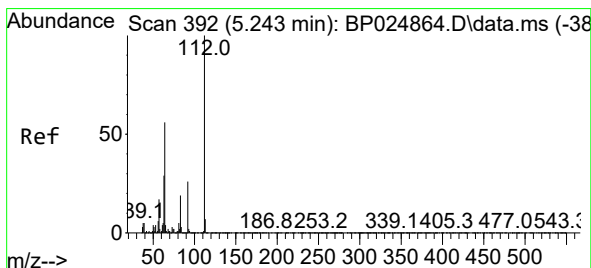
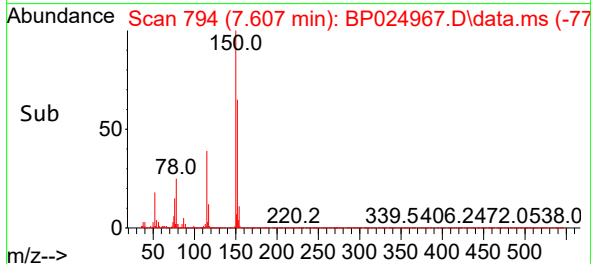
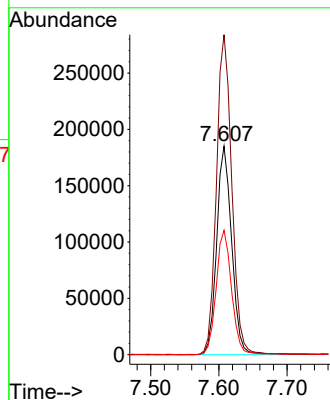
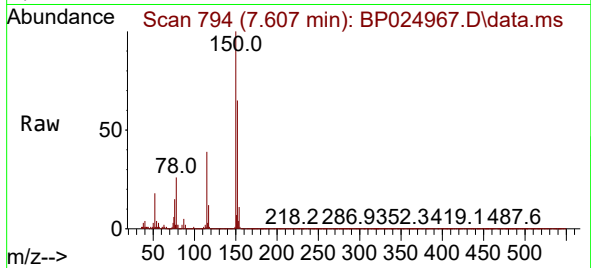




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.607 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

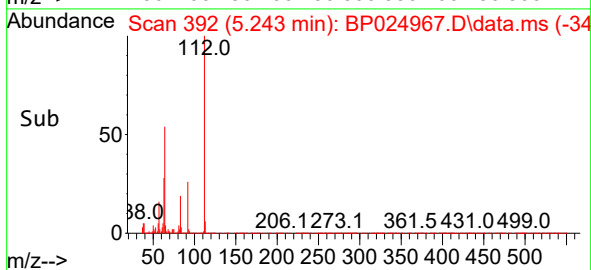
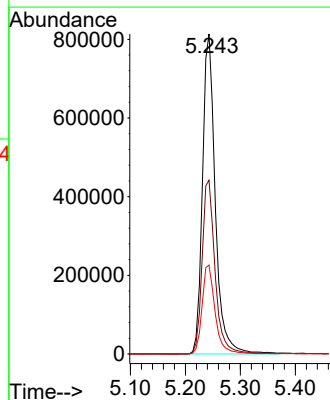
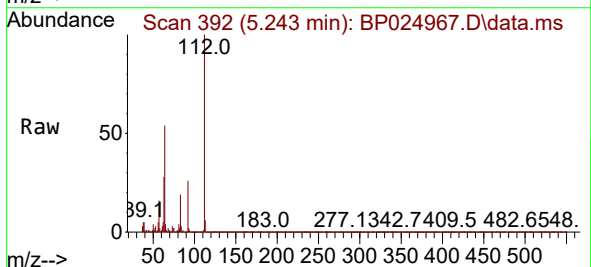
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-061325

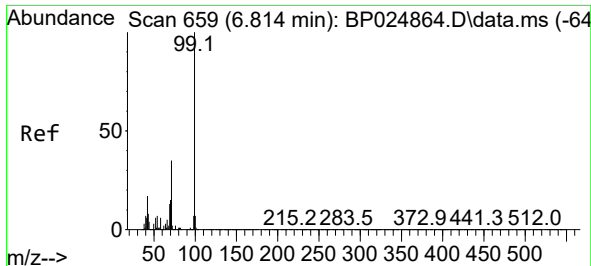
Tgt Ion:152 Resp: 283741  
Ion Ratio Lower Upper  
152 100  
150 153.5 122.1 183.1  
115 59.6 46.4 69.6



#5  
2-Fluorophenol  
Concen: 77.735 ng  
RT: 5.243 min Scan# 392  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion:112 Resp: 1321393  
Ion Ratio Lower Upper  
112 100  
64 54.3 44.7 67.1  
63 27.8 23.5 35.3

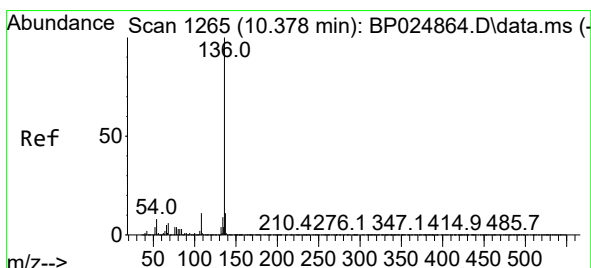
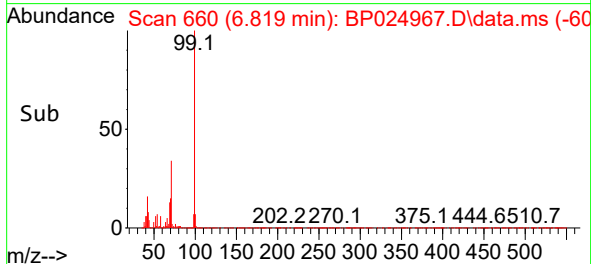
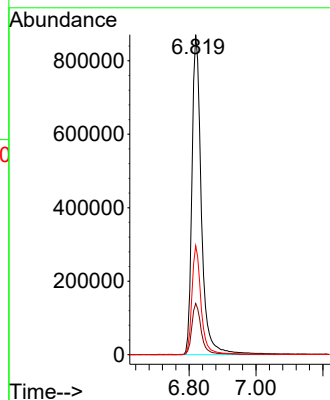
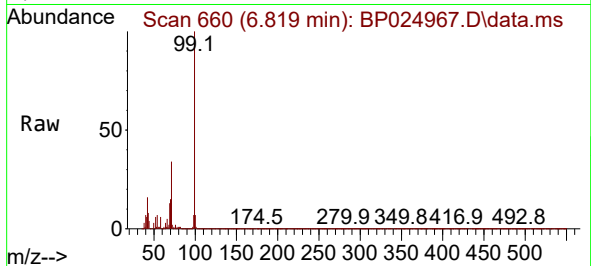




#7  
Phenol-d6  
Concen: 76.340 ng  
RT: 6.819 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

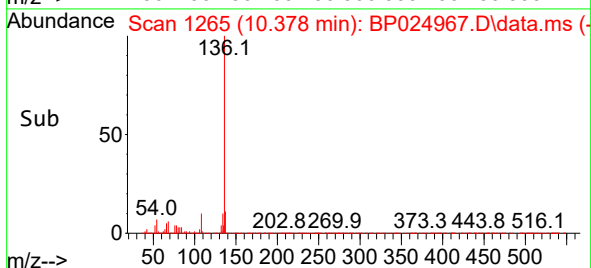
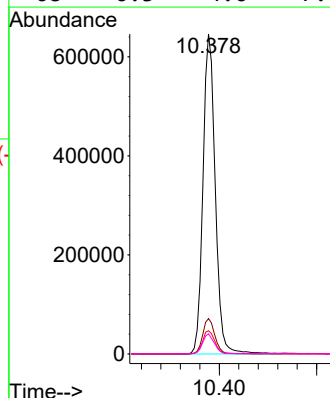
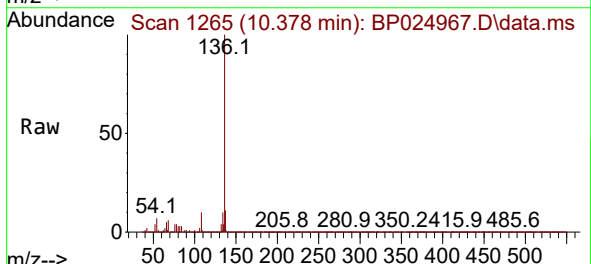
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-061325

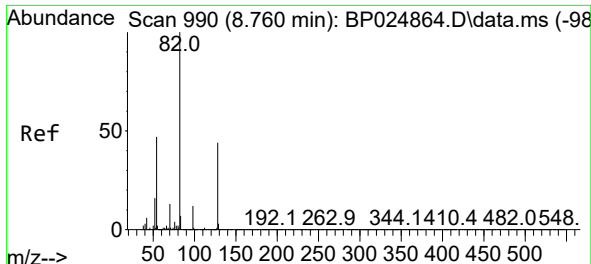
Tgt Ion: 99 Resp: 1716959  
Ion Ratio Lower Upper  
99 100  
42 16.0 13.4 20.2  
71 34.0 27.6 41.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.378 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion: 136 Resp: 1127333  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.3 6.1 9.1  
68 6.3 4.6 7.0

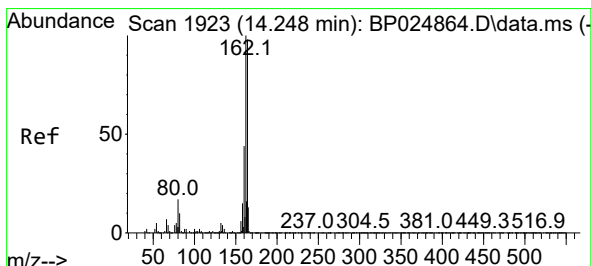
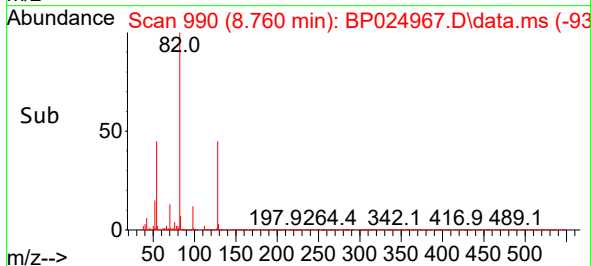
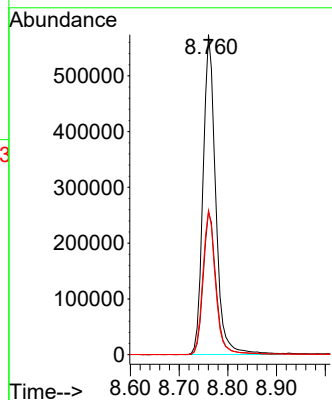
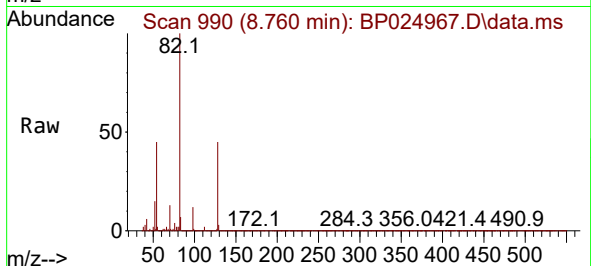




#23  
Nitrobenzene-d5  
Concen: 44.712 ng  
RT: 8.760 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

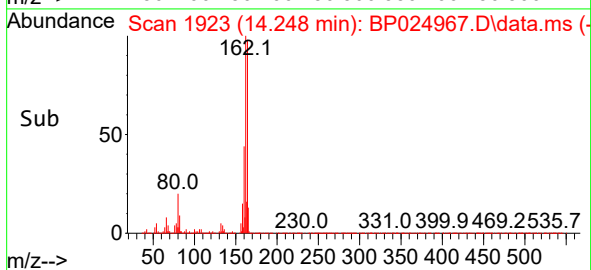
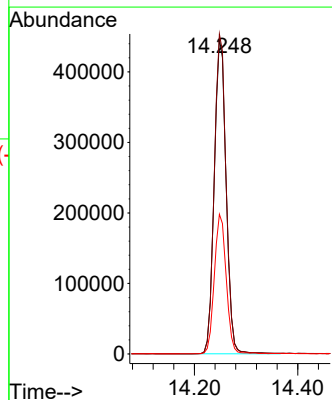
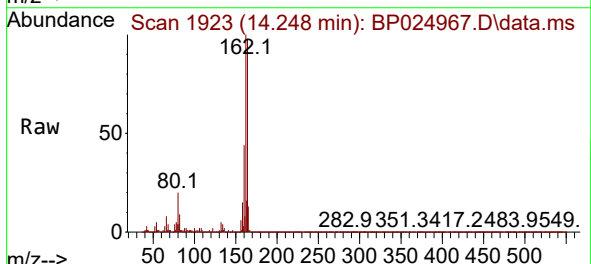
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-061325

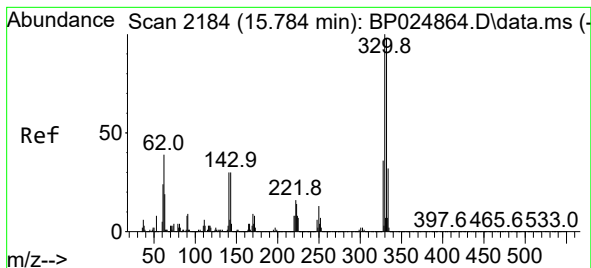
Tgt Ion: 82 Resp: 1037294  
Ion Ratio Lower Upper  
82 100  
128 44.7 35.3 52.9  
54 45.1 37.4 56.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.248 min Scan# 1923  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion:164 Resp: 711305  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.6 122.4  
160 44.4 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 79.876 ng

RT: 15.778 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

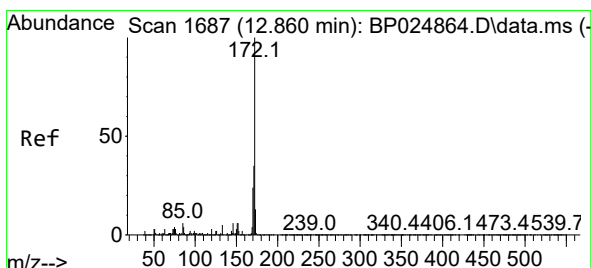
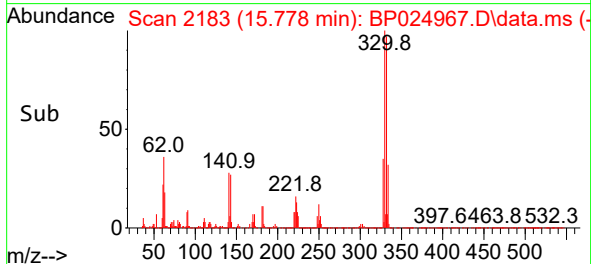
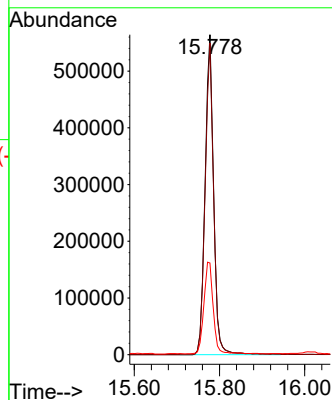
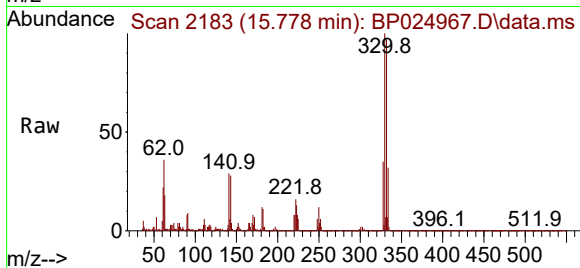
Tgt Ion:330 Resp: 785513

Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 31.4 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 41.747 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

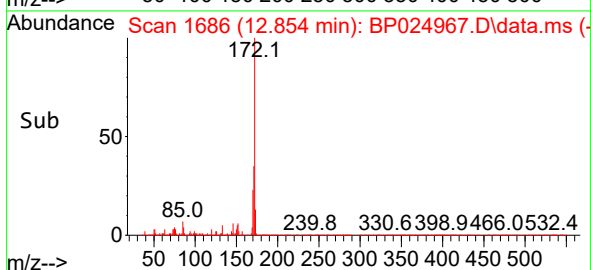
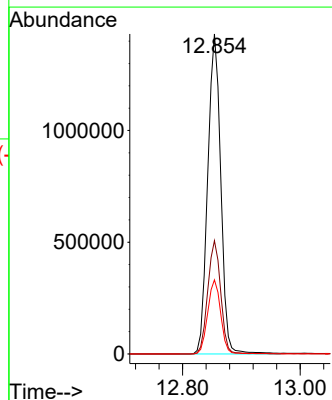
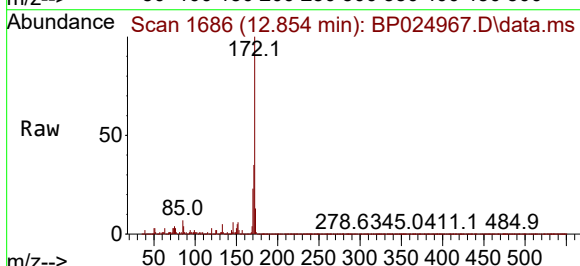
Tgt Ion:172 Resp: 2204314

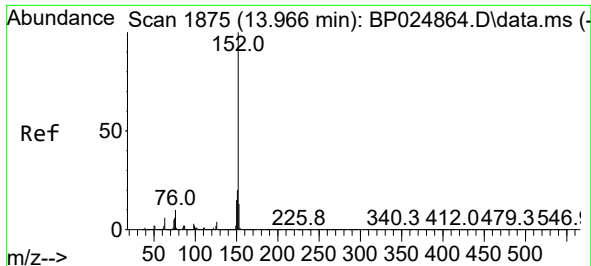
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.2 19.0 28.4

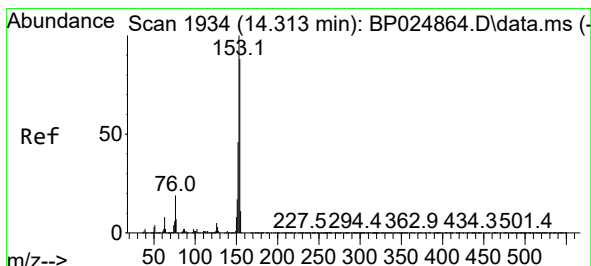
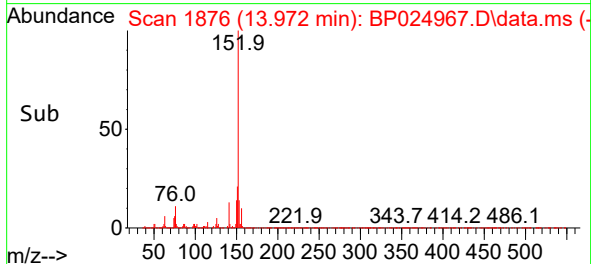
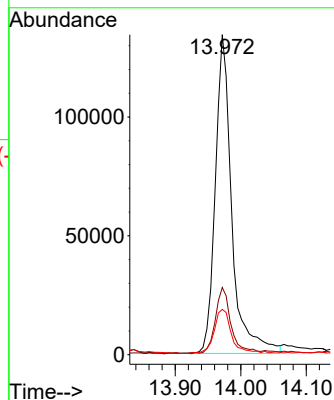
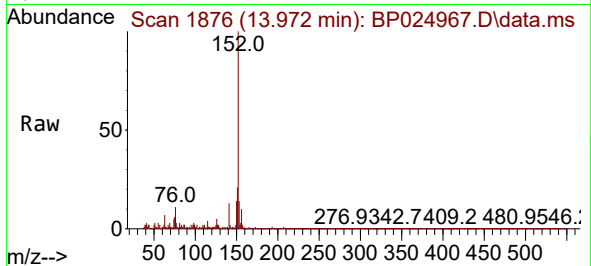




#49  
Acenaphthylene  
Concen: 3.539 ng  
RT: 13.972 min Scan# 1876  
Delta R.T. 0.006 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

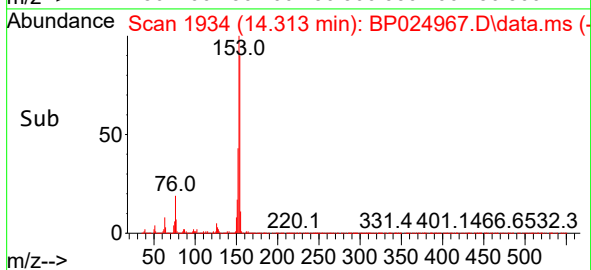
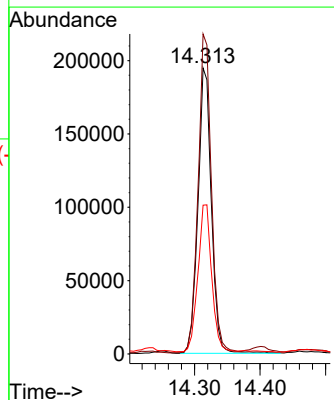
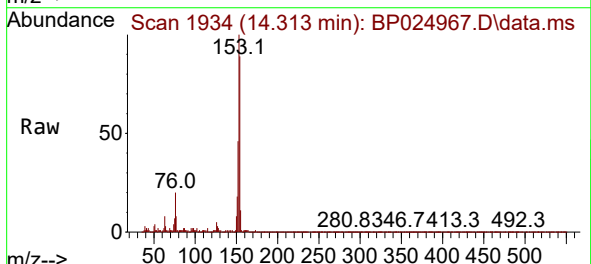
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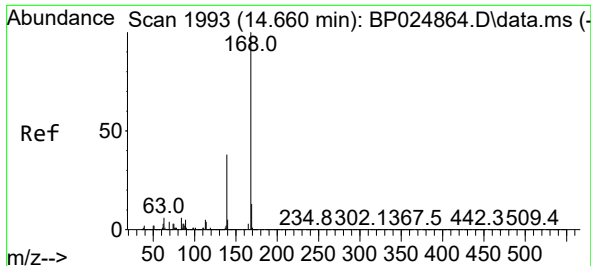
Tgt Ion:152 Resp: 234435  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.2 24.2  
153 14.2 10.6 15.8



#52  
Acenaphthene  
Concen: 7.297 ng  
RT: 14.313 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion:154 Resp: 276985  
Ion Ratio Lower Upper  
154 100  
153 111.9 90.5 135.7  
152 52.0 42.1 63.1

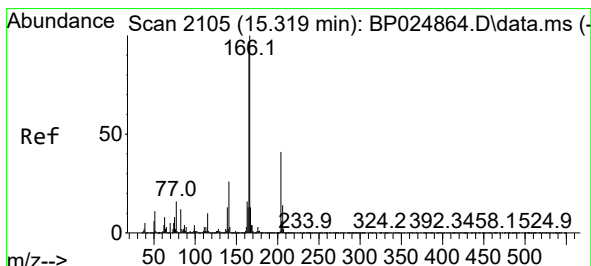
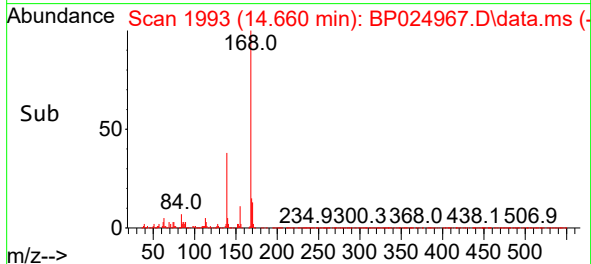
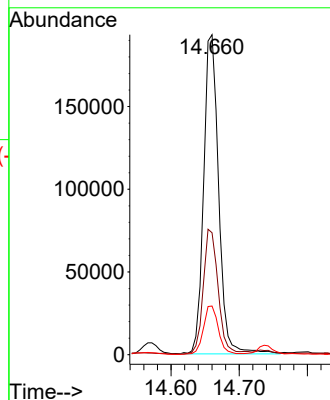
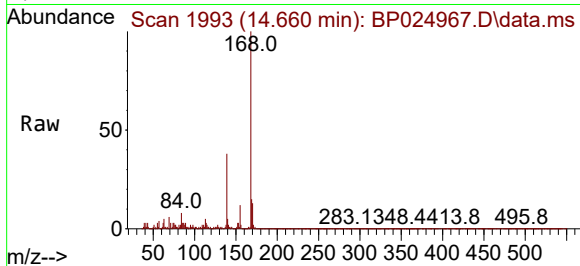




#55  
Dibenzenofuran  
Concen: 4.865 ng  
RT: 14.660 min Scan# 1993  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

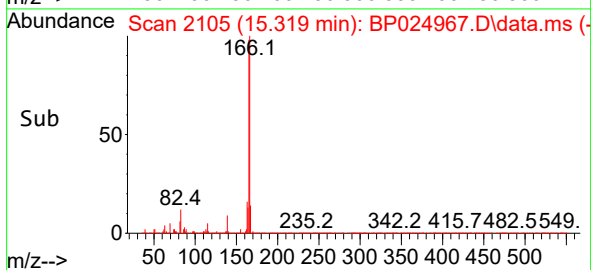
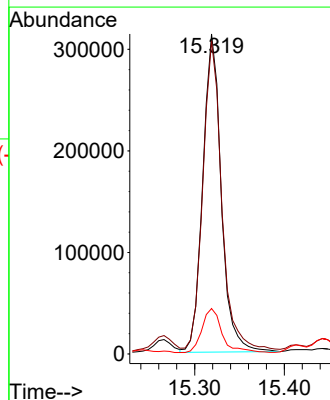
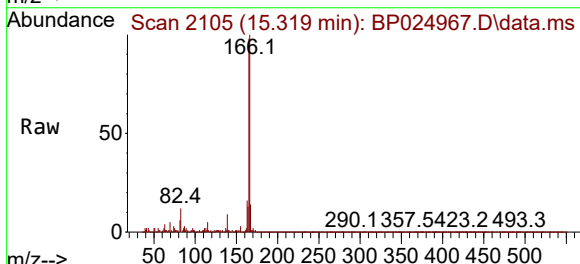
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-061325

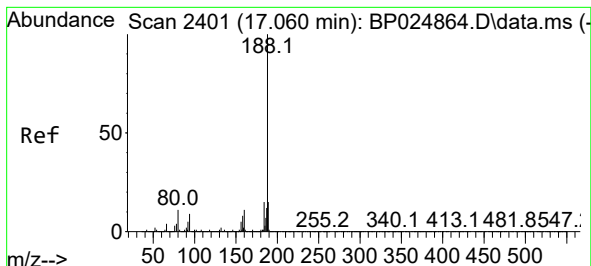
Tgt Ion:168 Resp: 296457  
Ion Ratio Lower Upper  
168 100  
139 38.1 31.6 47.4  
169 15.2 10.6 15.8



#58  
Fluorene  
Concen: 9.115 ng  
RT: 15.319 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion:166 Resp: 448662  
Ion Ratio Lower Upper  
166 100  
165 97.8 77.7 116.5  
167 14.2 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.054 min Scan# 2400

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

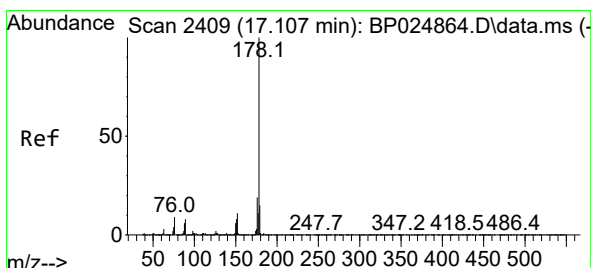
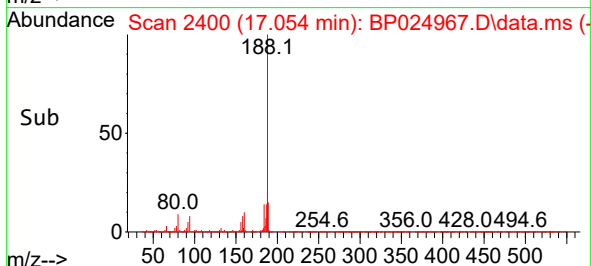
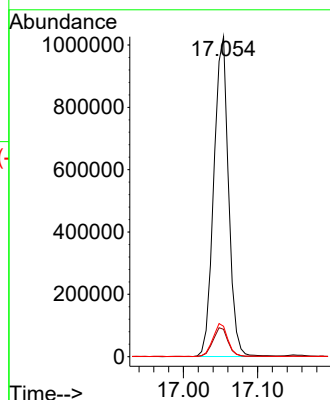
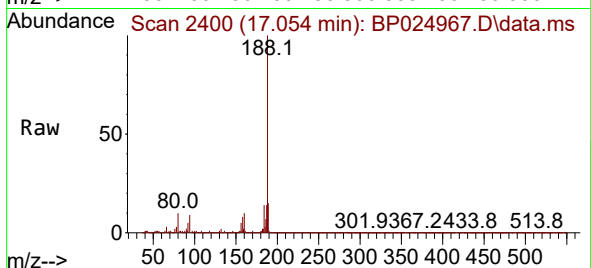
Tgt Ion:188 Resp: 1412941

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

80 9.5 8.5 12.7



#71

Phenanthrene

Concen: 26.235 ng

RT: 17.095 min Scan# 2407

Delta R.T. -0.012 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

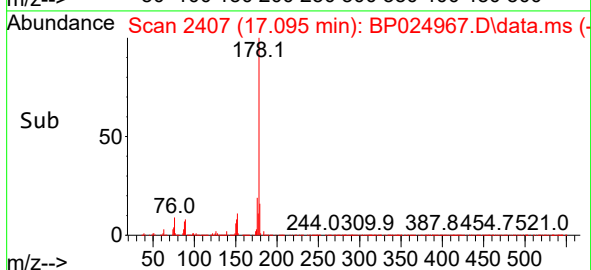
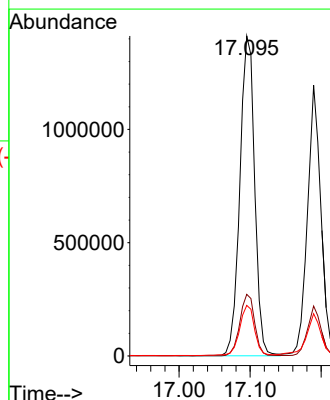
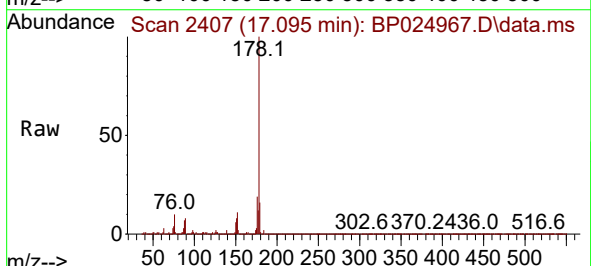
Tgt Ion:178 Resp: 2048461

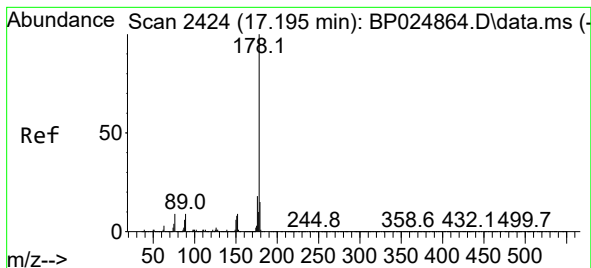
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.8 12.1 18.1





#72

Anthracene

Concen: 19.678 ng

RT: 17.189 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

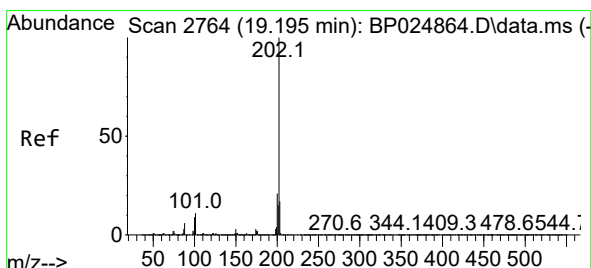
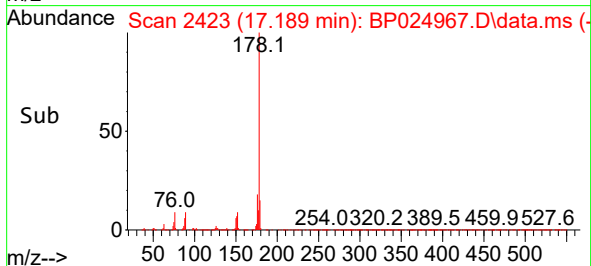
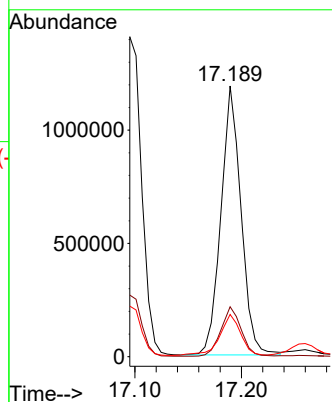
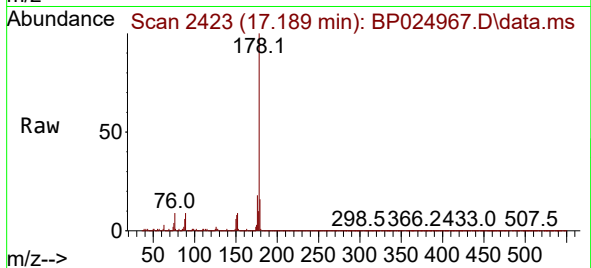
Tgt Ion:178 Resp: 1556111

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.6 12.3 18.5



#75

Fluoranthene

Concen: 74.039 ng

RT: 19.189 min Scan# 2763

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

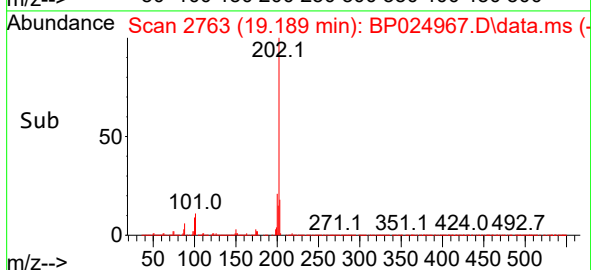
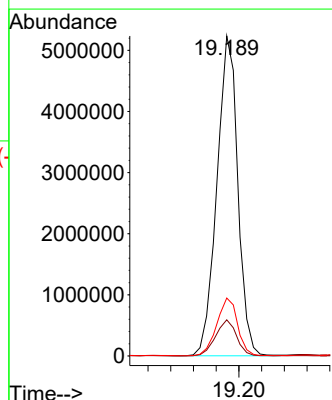
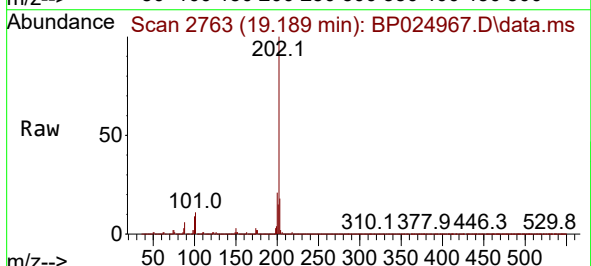
Tgt Ion:202 Resp: 6700522

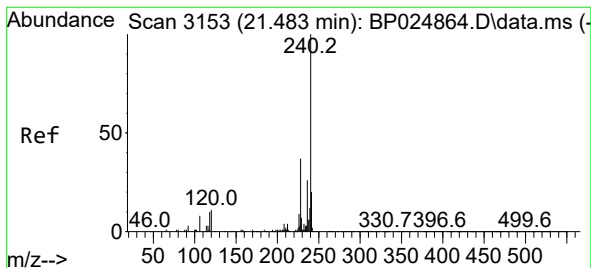
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

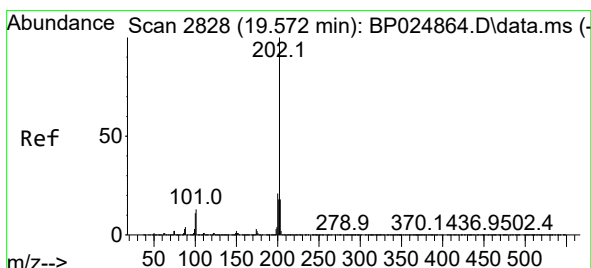
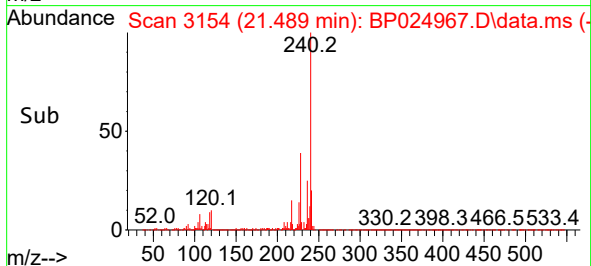
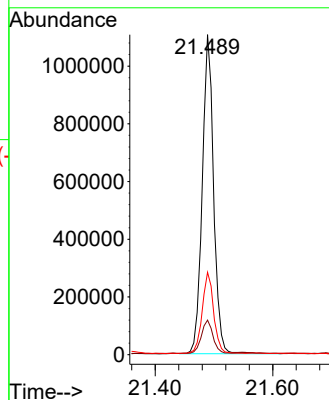
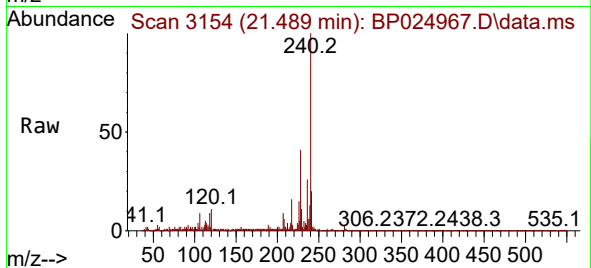
Tgt Ion:240 Resp: 1479892

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.7 20.9 31.3



#78

Pyrene

Concen: 67.329 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

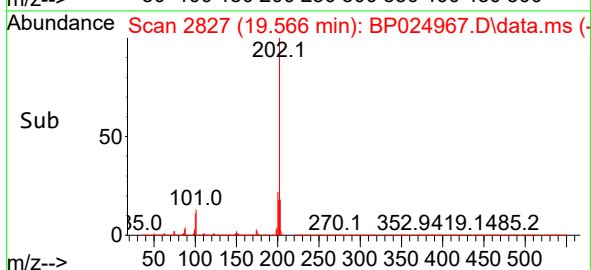
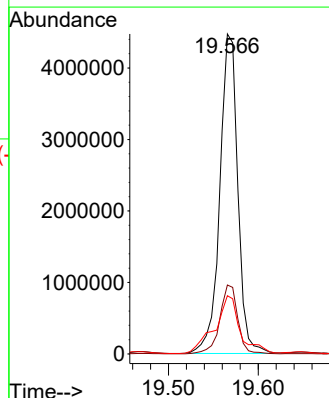
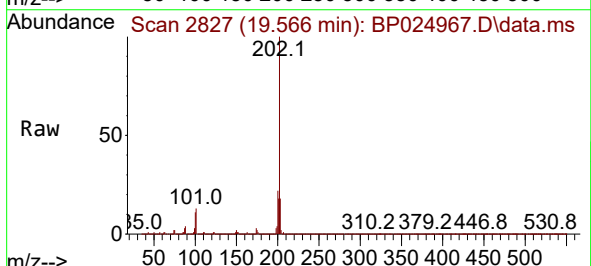
Tgt Ion:202 Resp: 6224939

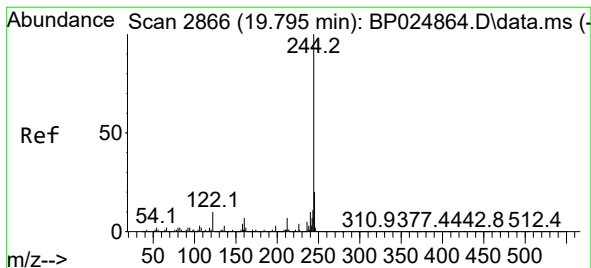
Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.2 14.0 21.0





#79

Terphenyl-d14

Concen: 40.898 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

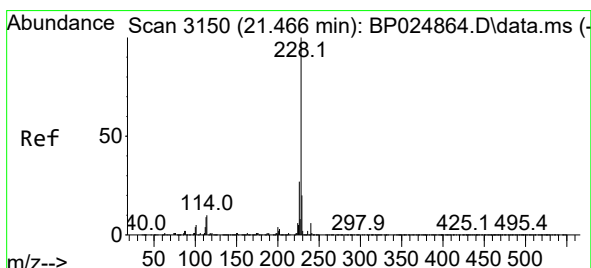
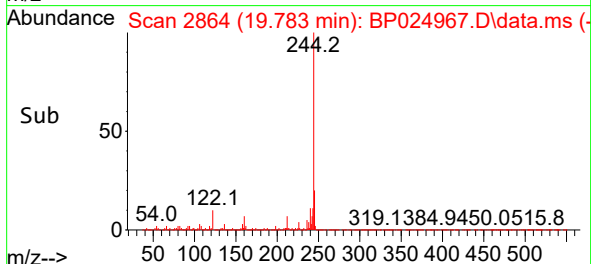
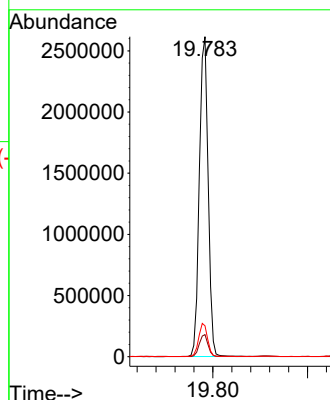
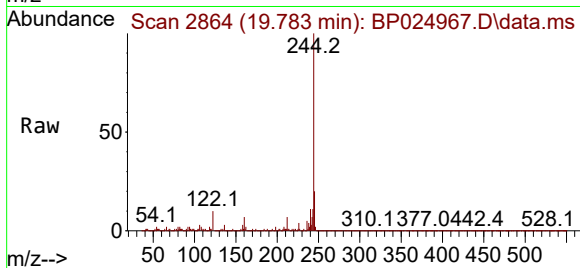
Tgt Ion:244 Resp: 3377030

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.7 7.7 11.5



#81

Benzo(a)anthracene

Concen: 34.910 ng

RT: 21.471 min Scan# 3151

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

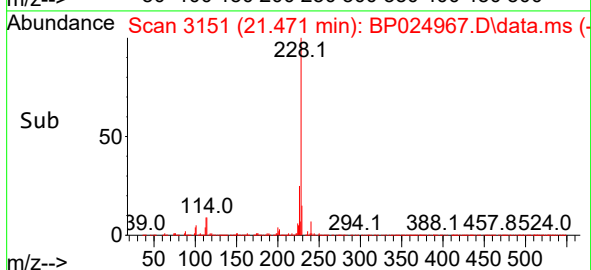
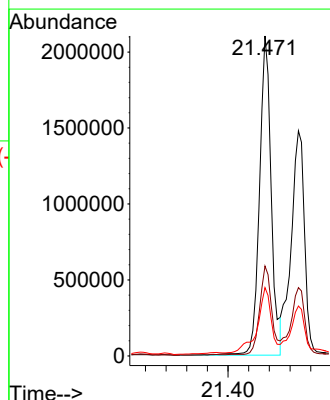
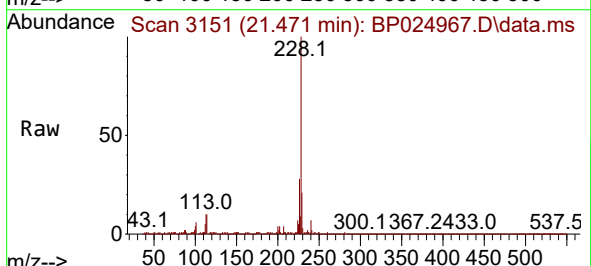
Tgt Ion:228 Resp: 3304309

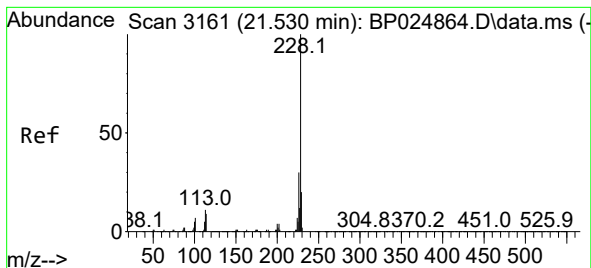
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 21.4 15.9 23.9





#83

Chrysene

Concen: 29.740 ng

RT: 21.536 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

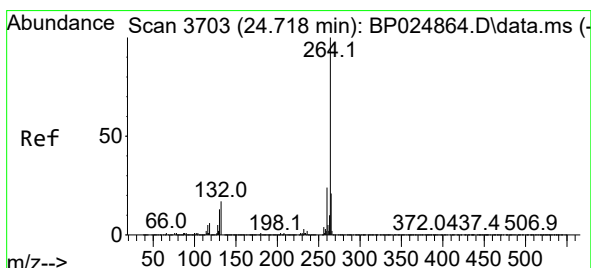
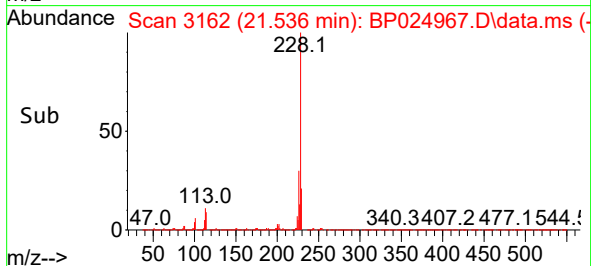
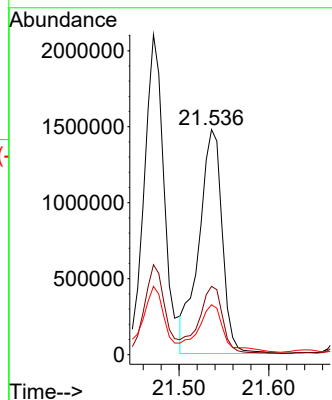
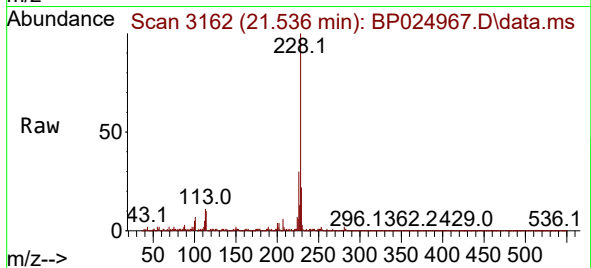
Tgt Ion:228 Resp: 2667188

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 22.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.765 min Scan# 3711

Delta R.T. 0.047 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

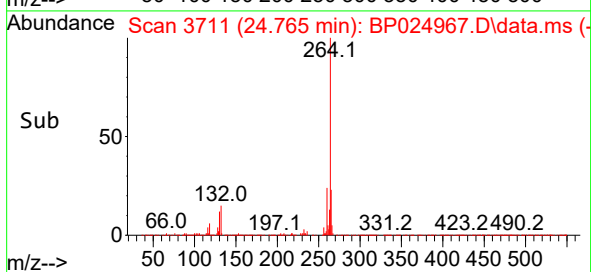
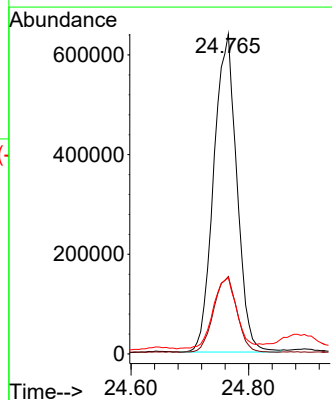
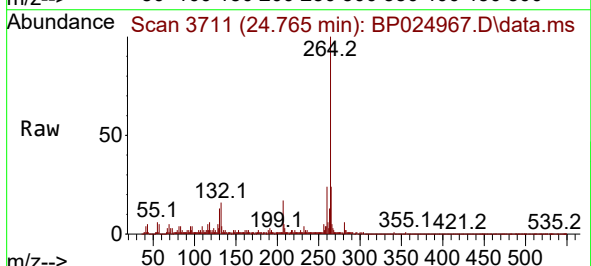
Tgt Ion:264 Resp: 1738602

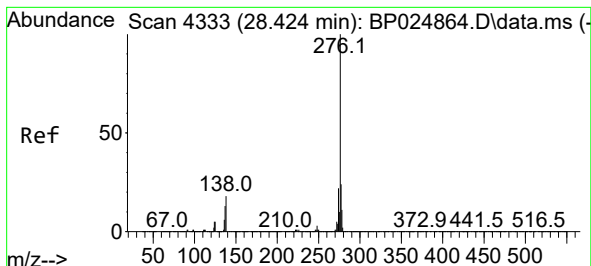
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 23.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.205 ng

RT: 28.483 min Scan# 41

Delta R.T. 0.059 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

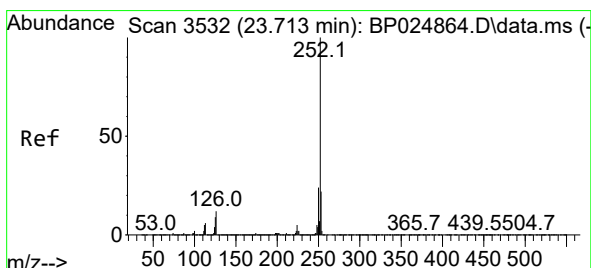
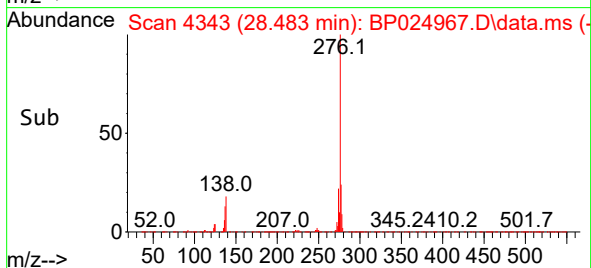
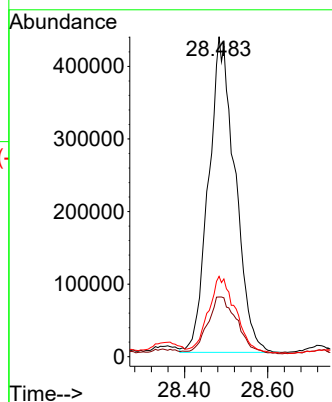
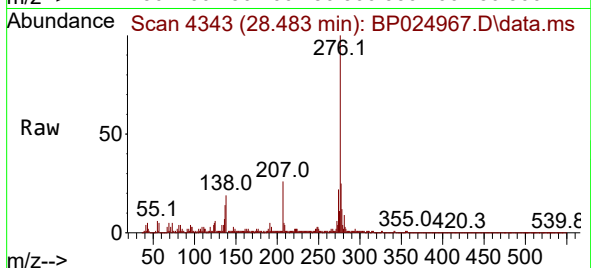
Tgt Ion:276 Resp: 1928835

Ion Ratio Lower Upper

276 100

138 19.9 18.6 27.8

277 25.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 36.405 ng m

RT: 23.742 min Scan# 3537

Delta R.T. 0.029 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

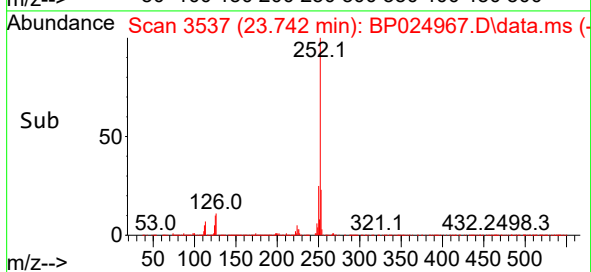
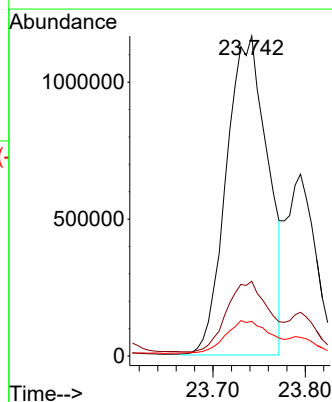
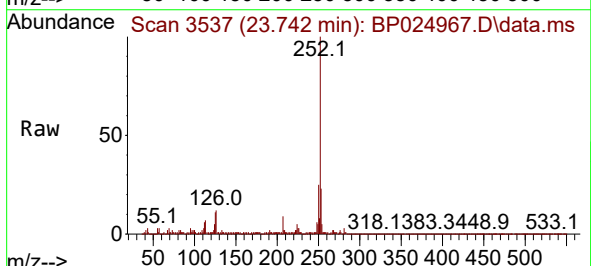
Tgt Ion:252 Resp: 3622290

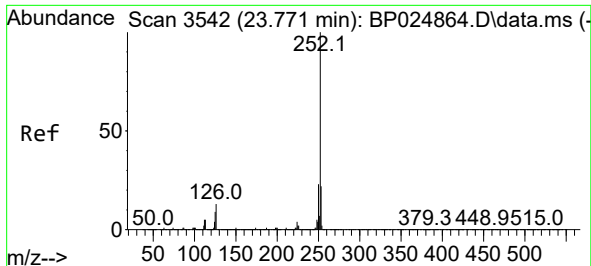
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 10.9 7.1 10.7#

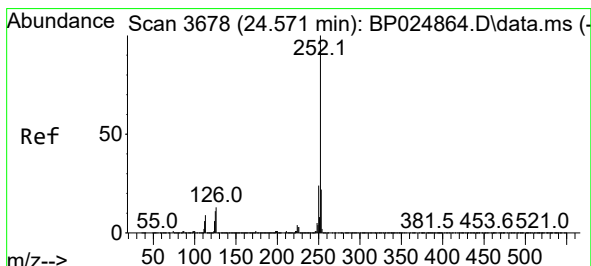
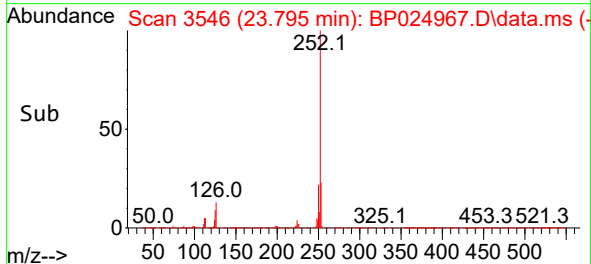
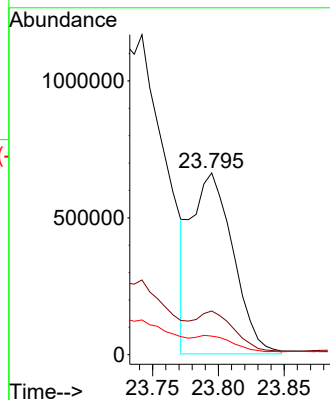
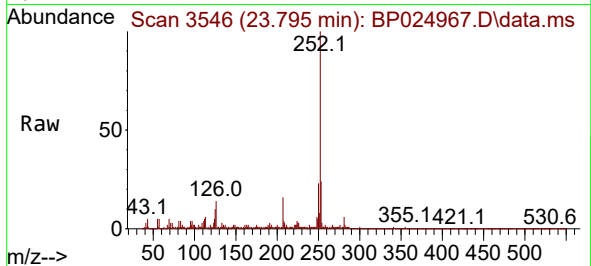




#89  
Benzo(k)fluoranthene  
Concen: 14.393 ng m  
RT: 23.795 min Scan# 31  
Delta R.T. 0.023 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

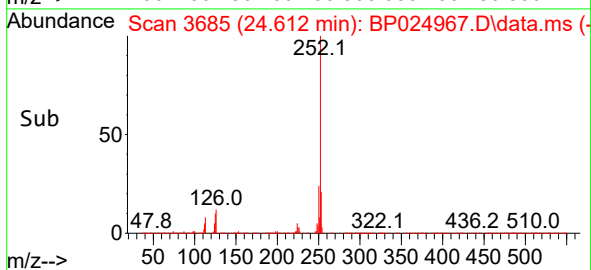
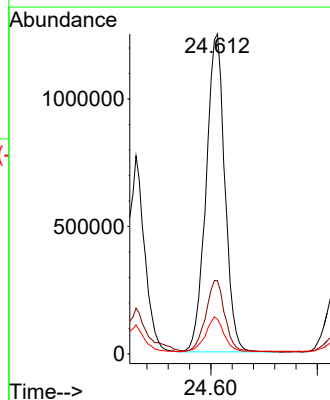
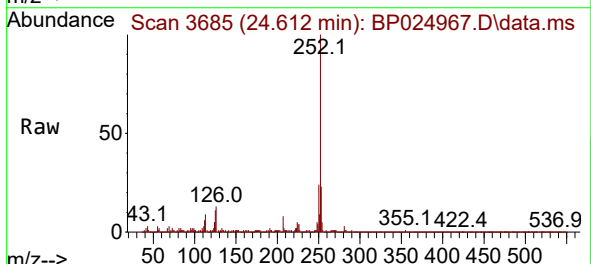
Instrument :  
BNA\_P  
ClientSampleId :  
CL-01-061325

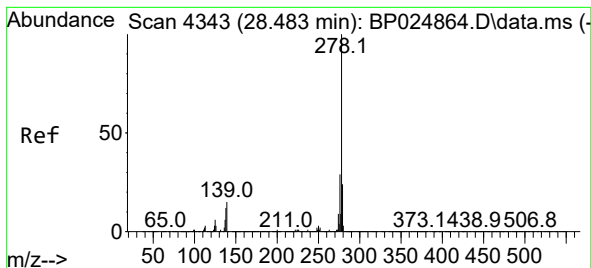
Tgt Ion:252 Resp: 1457766  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.7 26.5  
125 10.2 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 31.336 ng  
RT: 24.612 min Scan# 3685  
Delta R.T. 0.041 min  
Lab File: BP024967.D  
Acq: 16 Jun 2025 19:06

Tgt Ion:252 Resp: 3044969  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.5 26.3  
125 10.8 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.922 ng

RT: 28.536 min Scan# 41

Delta R.T. 0.053 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Instrument :

BNA\_P

ClientSampleId :

CL-01-061325

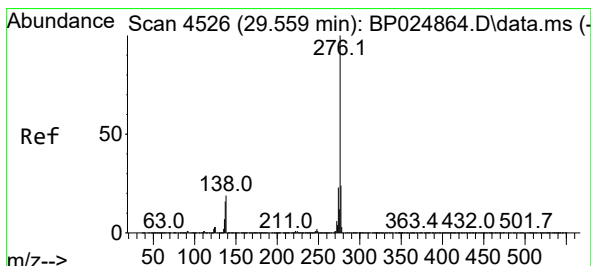
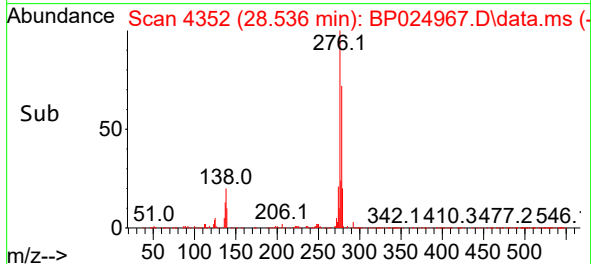
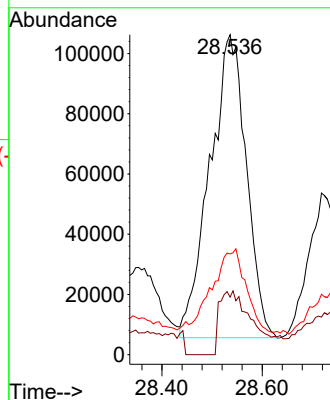
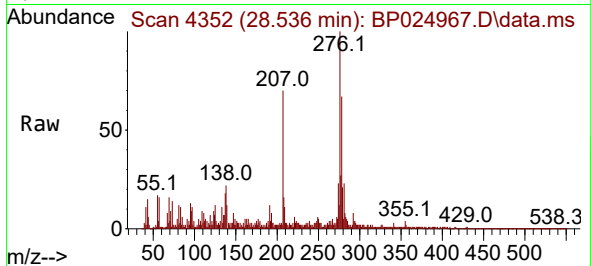
Tgt Ion:278 Resp: 508229

Ion Ratio Lower Upper

278 100

139 18.0 12.0 18.0#

279 31.5 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 18.144 ng

RT: 29.630 min Scan# 4538

Delta R.T. 0.070 min

Lab File: BP024967.D

Acq: 16 Jun 2025 19:06

Tgt Ion:276 Resp: 1858809

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 20.0 15.4 23.2

