

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090525\  
 Data File : BP025679.D  
 Acq On : 05 Sep 2025 16:37  
 Operator : CG/JU  
 Sample : Q3027-01 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 HD-01-09042025

Quant Time: Sep 05 17:02:06 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 14 18:14:31 2025  
 Response via : Initial Calibration

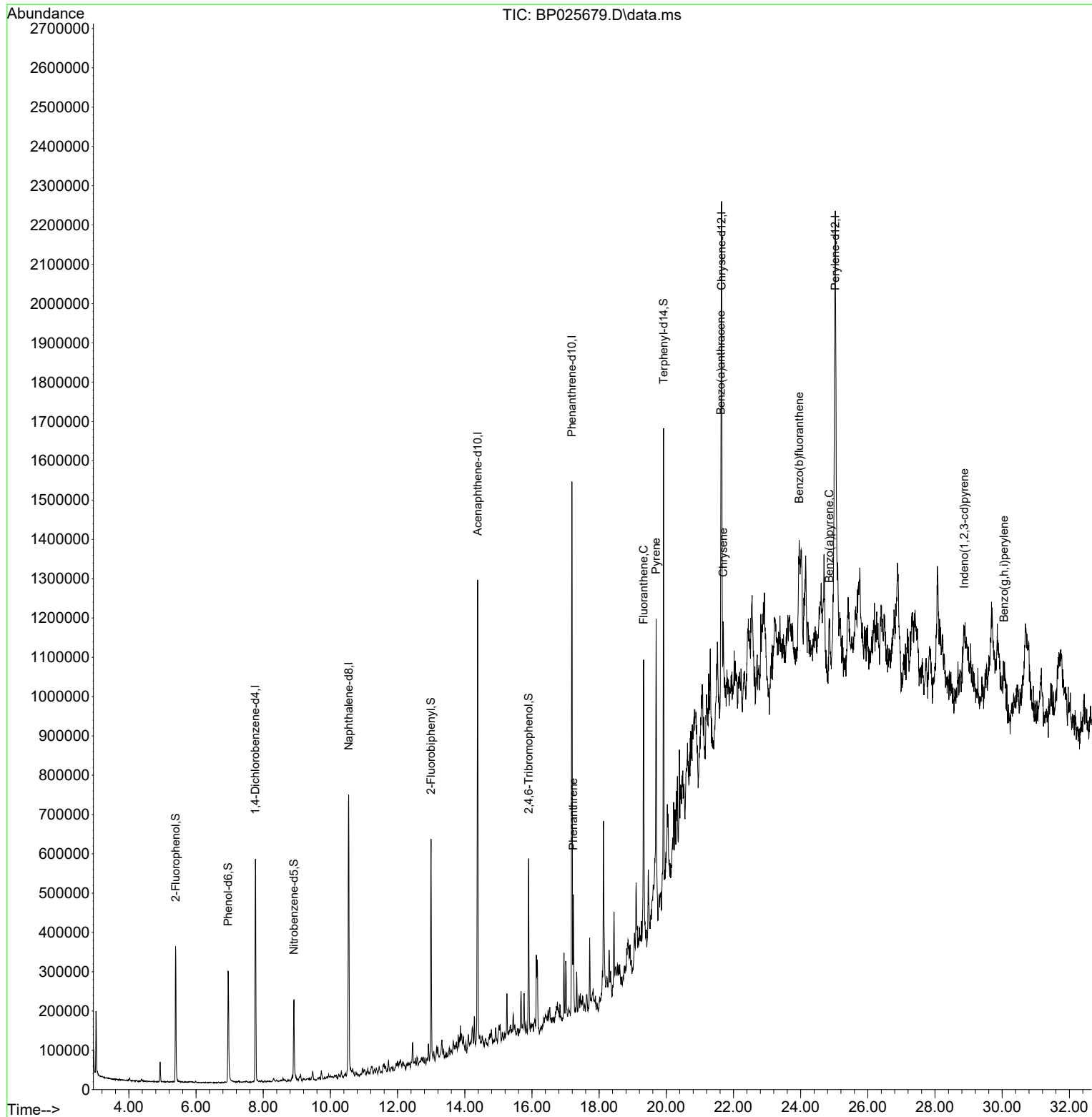
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.766  | 152  | 156373   | 20.000 | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.543 | 136  | 629460   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.384 | 164  | 402518   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.189 | 188  | 810667   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.648 | 240  | 870971   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 25.030 | 264  | 1037581  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.390  | 112  | 156917   | 16.665 | ng    | -0.02    |
| 7) Phenol-d6                | 6.955  | 99   | 192849   | 15.975 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.913  | 82   | 124051   | 9.969  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.901 | 330  | 90778    | 16.755 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.996 | 172  | 304056   | 10.324 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.919 | 244  | 518890   | 10.900 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.231 | 178  | 186008   | 4.177  | ng    | 99       |
| 75) Fluoranthene            | 19.319 | 202  | 379423   | 7.143  | ng    | 98       |
| 78) Pyrene                  | 19.695 | 202  | 400148   | 7.068  | ng    | 100      |
| 81) Benzo(a)anthracene      | 21.624 | 228  | 211171   | 3.676  | ng    | # 93     |
| 83) Chrysene                | 21.695 | 228  | 194298   | 3.612  | ng    | # 92     |
| 87) Indeno(1,2,3-cd)pyrene  | 28.865 | 276  | 168427   | 2.213  | ng    | # 85     |
| 88) Benzo(b)fluoranthene    | 23.960 | 252  | 297422   | 4.861  | ng    | # 88     |
| 90) Benzo(a)pyrene          | 24.854 | 252  | 235185   | 3.949  | ng    | # 90     |
| 92) Benzo(g,h,i)perylene    | 30.053 | 276  | 177052   | 2.897  | ng    | 95       |
| -----                       |        |      |          |        |       |          |

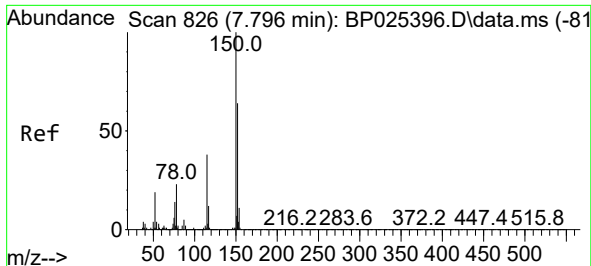
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
HD-01-09042025

Quant Time: Sep 05 17:02:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 14 18:14:31 2025  
Response via : Initial Calibration

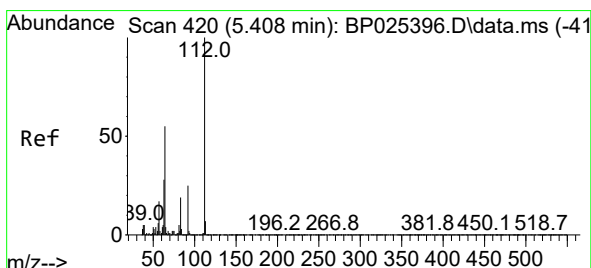
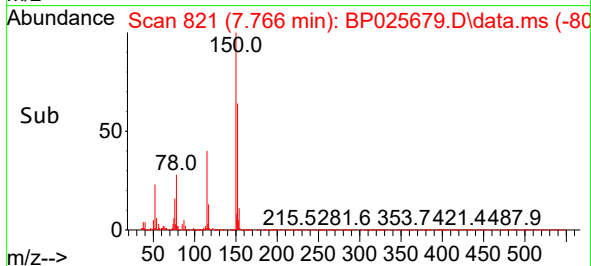
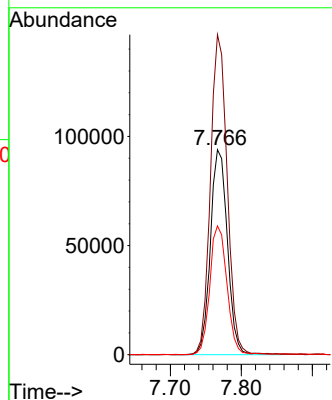
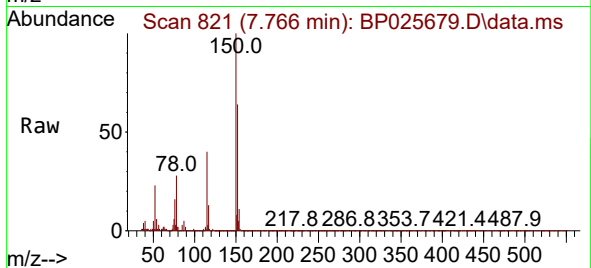




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.766 min Scan# 81  
 Delta R.T. -0.030 min  
 Lab File: BP025679.D  
 Acq: 05 Sep 2025 16:37

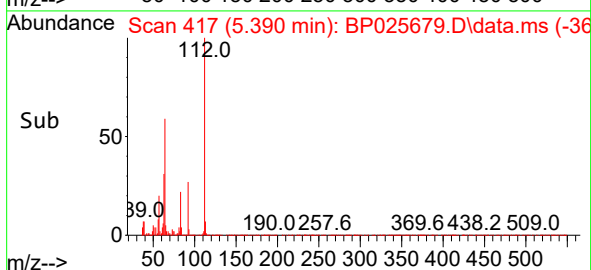
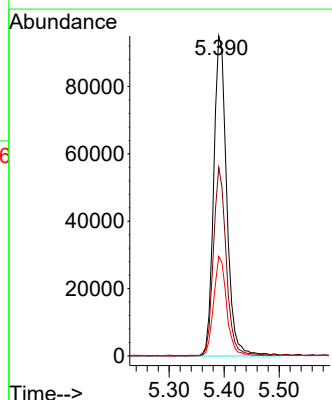
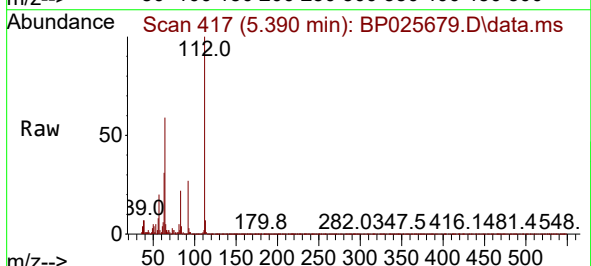
Instrument :  
 BNA\_P  
 ClientSampleId :  
 HD-01-09042025

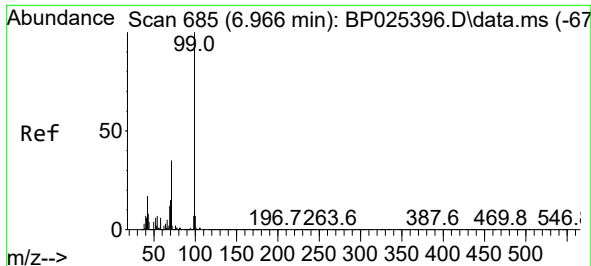
Tgt Ion:152 Resp: 156373  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 125.9 188.9  
 115 62.8 48.5 72.7



#5  
 2-Fluorophenol  
 Concen: 16.665 ng  
 RT: 5.390 min Scan# 417  
 Delta R.T. -0.018 min  
 Lab File: BP025679.D  
 Acq: 05 Sep 2025 16:37

Tgt Ion:112 Resp: 156917  
 Ion Ratio Lower Upper  
 112 100  
 64 58.9 43.8 65.8  
 63 31.1 22.7 34.1

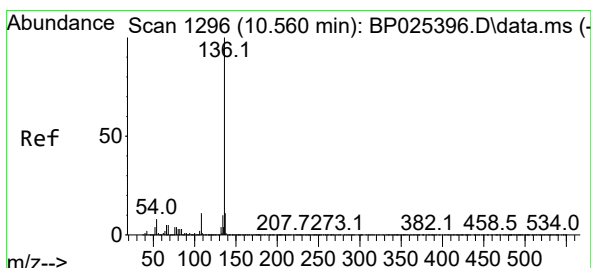
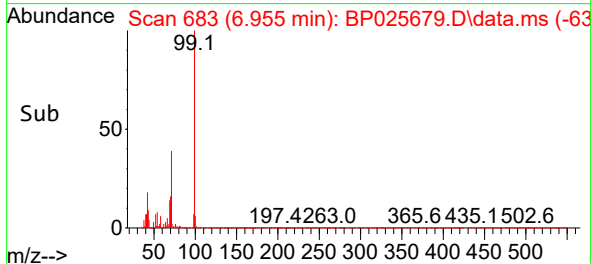
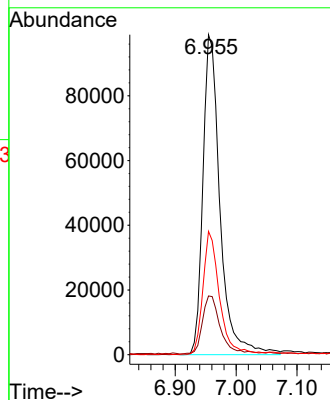
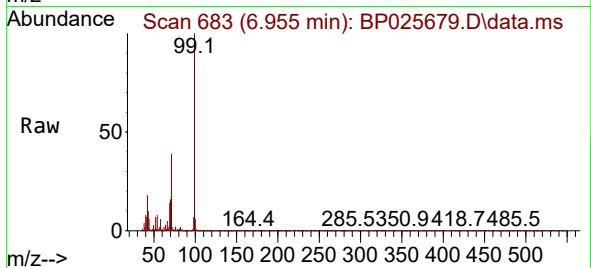




#7  
Phenol-d6  
Concen: 15.975 ng  
RT: 6.955 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

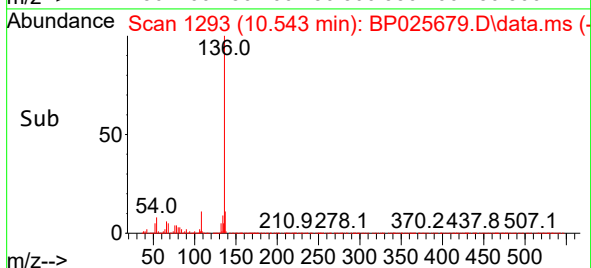
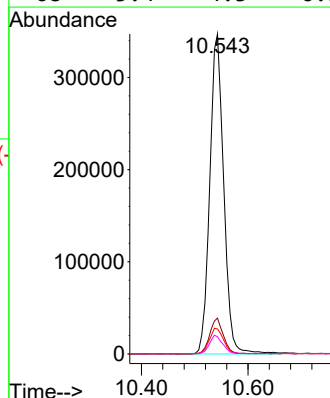
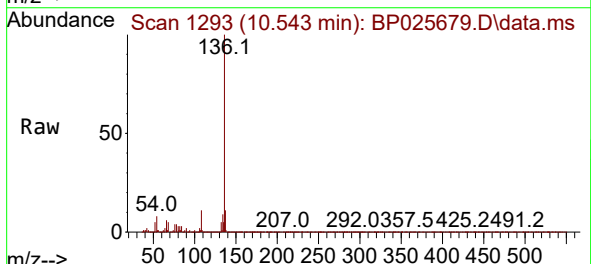
Instrument :  
BNA\_P  
ClientSampleId :  
HD-01-09042025

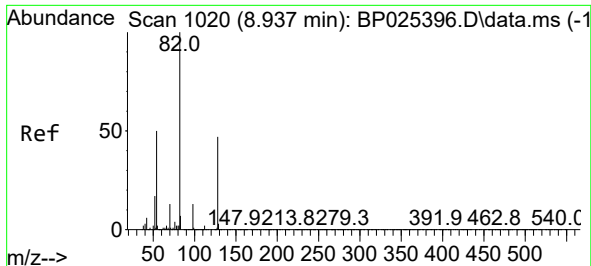
Tgt Ion: 99 Resp: 192849  
Ion Ratio Lower Upper  
99 100  
42 18.4 13.7 20.5  
71 38.5 28.2 42.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.543 min Scan# 1293  
Delta R.T. -0.018 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

Tgt Ion: 136 Resp: 629460  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.2 13.8  
54 7.8 6.0 9.0  
68 5.4 4.3 6.5

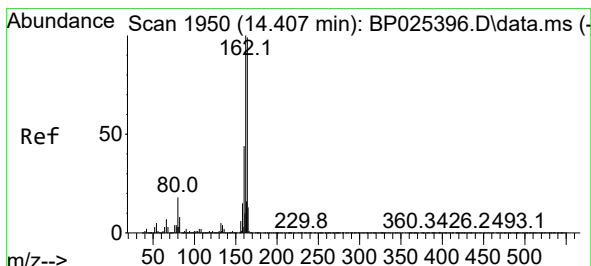
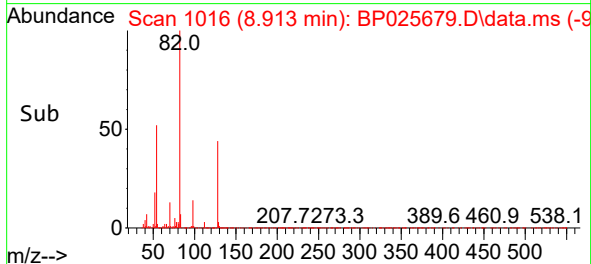
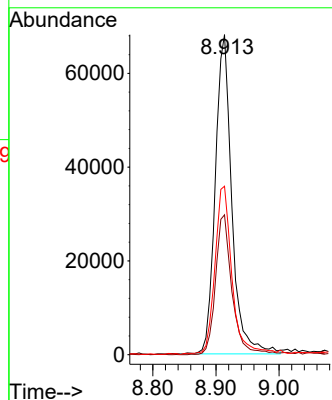
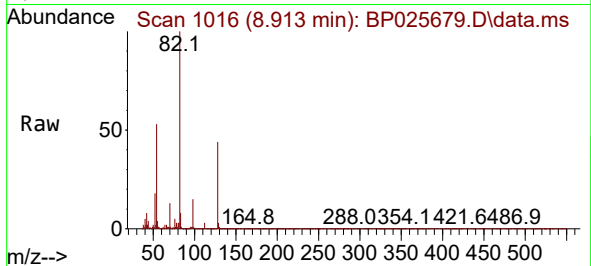




#23  
Nitrobenzene-d5  
Concen: 9.969 ng  
RT: 8.913 min Scan# 1016  
Delta R.T. -0.023 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

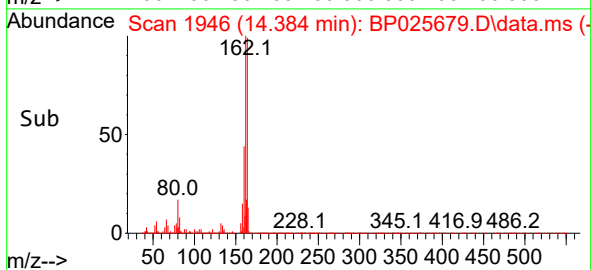
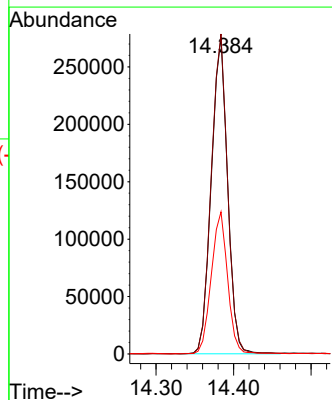
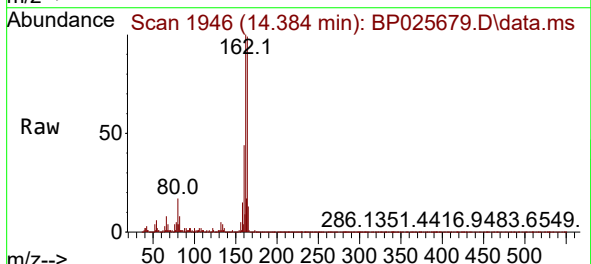
Instrument :  
BNA\_P  
ClientSampleId :  
HD-01-09042025

Tgt Ion: 82 Resp: 124051  
Ion Ratio Lower Upper  
82 100  
128 43.7 37.7 56.5  
54 52.6 39.8 59.6



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.384 min Scan# 1946  
Delta R.T. -0.023 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

Tgt Ion: 164 Resp: 402518  
Ion Ratio Lower Upper  
164 100  
162 101.0 81.0 121.6  
160 44.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 16.755 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

Instrument :

BNA\_P

ClientSampleId :

HD-01-09042025

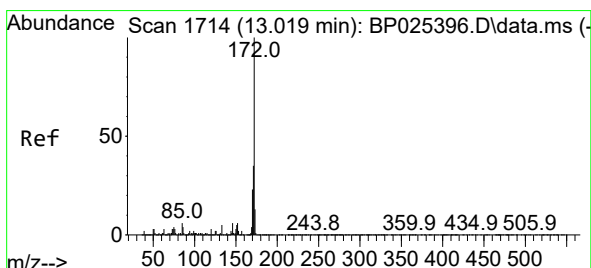
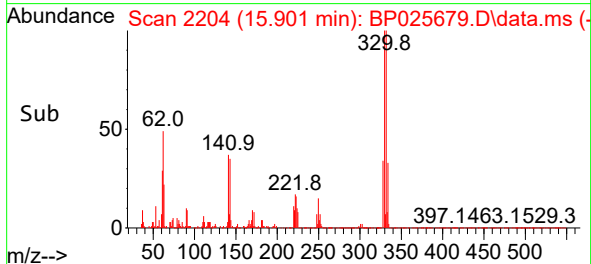
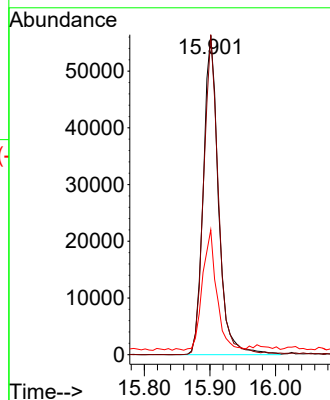
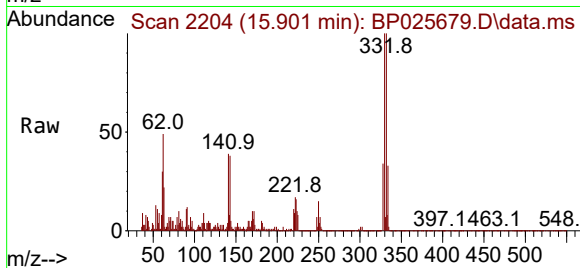
Tgt Ion:330 Resp: 90778

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 35.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 10.324 ng

RT: 12.996 min Scan# 1710

Delta R.T. -0.023 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

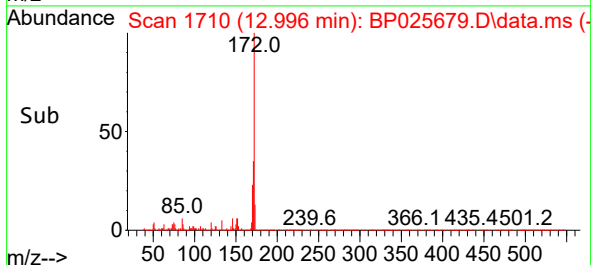
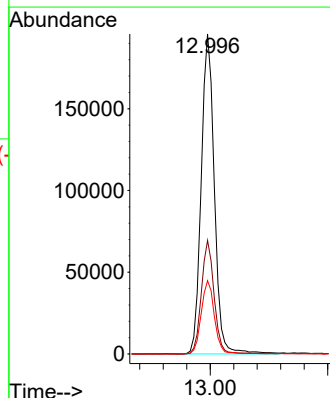
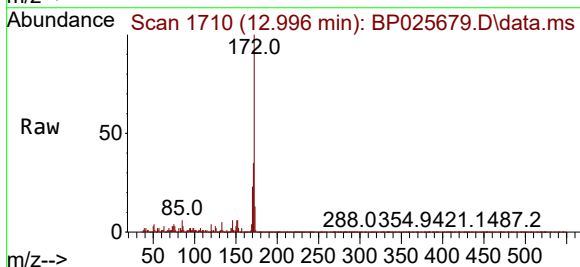
Tgt Ion:172 Resp: 304056

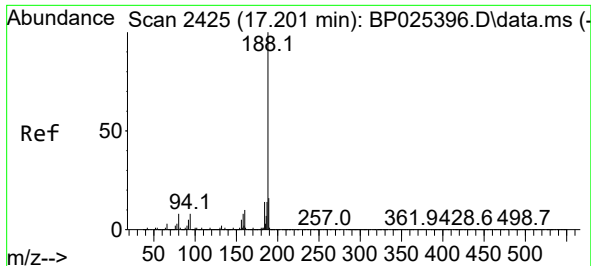
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 22.9 18.6 28.0

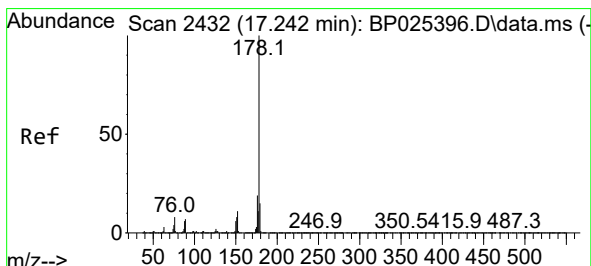
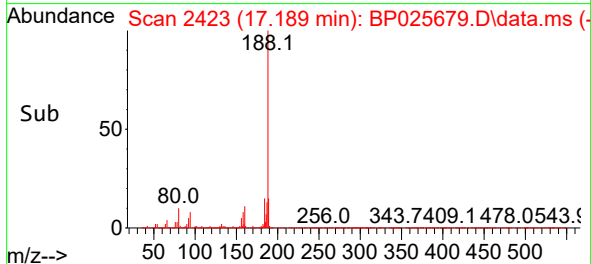
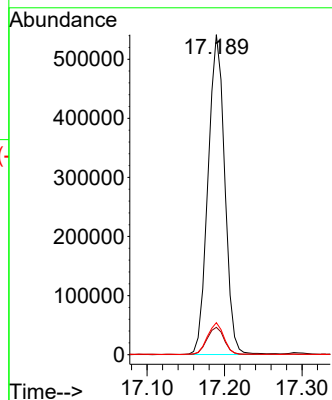
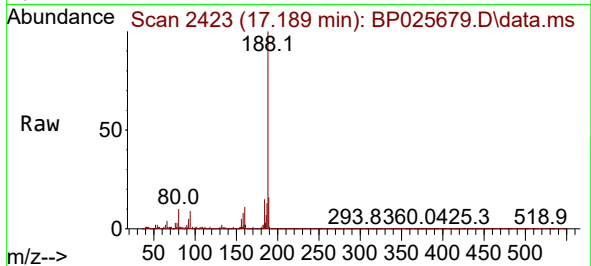




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.189 min Scan# 2425  
Delta R.T. -0.012 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

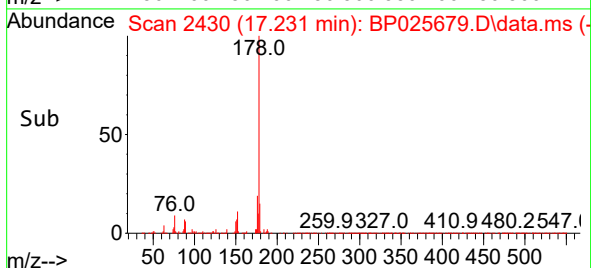
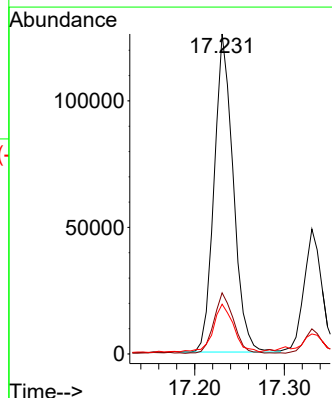
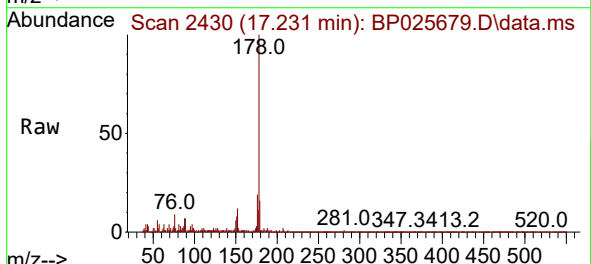
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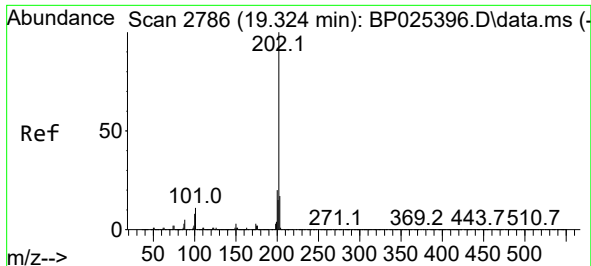
Tgt Ion:188 Resp: 810667  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.6 10.0  
80 10.0 6.7 10.1



#71  
Phenanthrene  
Concen: 4.177 ng  
RT: 17.231 min Scan# 2430  
Delta R.T. -0.012 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

Tgt Ion:178 Resp: 186008  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.5 23.3  
179 15.6 12.2 18.4

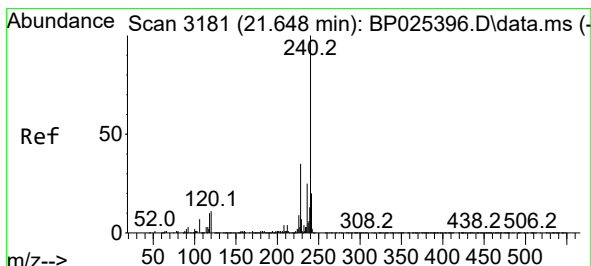
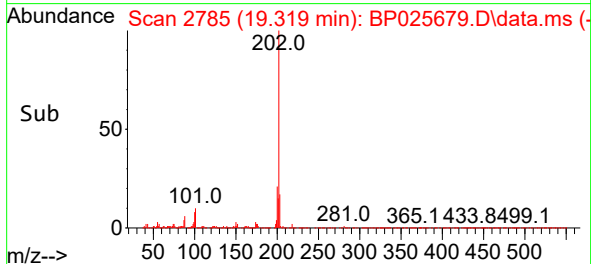
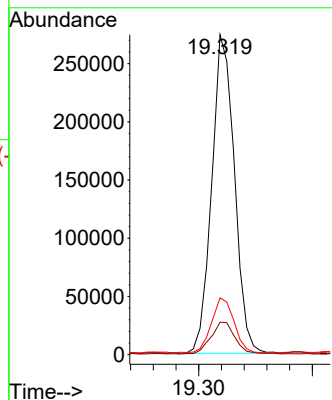
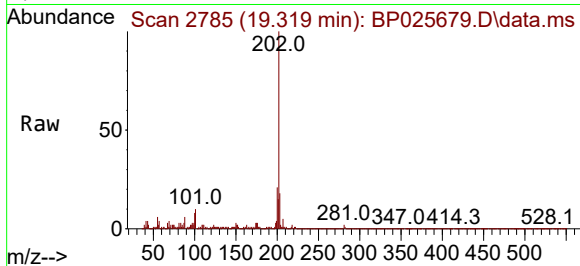




#75  
Fluoranthene  
Concen: 7.143 ng  
RT: 19.319 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

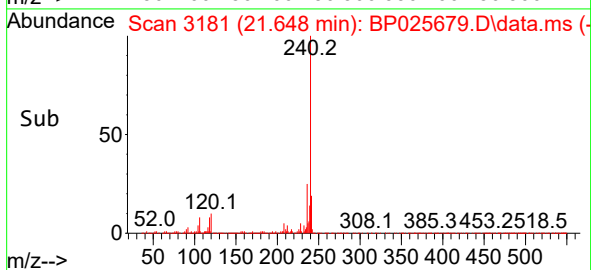
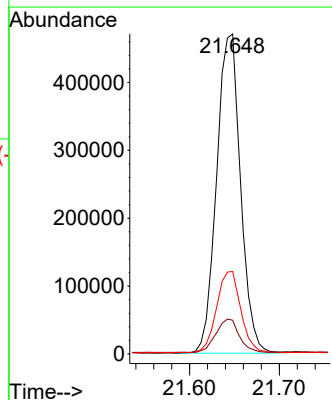
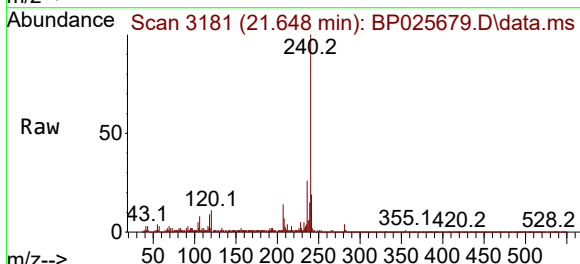
Instrument :  
BNA\_P  
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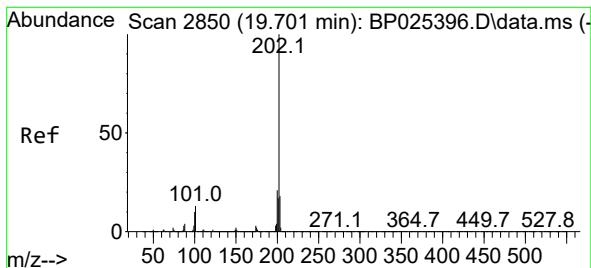
Tgt Ion:202 Resp: 379423  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 31.1  
203 17.8 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.648 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

Tgt Ion:240 Resp: 870971  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.9 13.3  
236 25.8 19.8 29.8





#78

Pyrene

Concen: 7.068 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

Instrument :

BNA\_P

ClientSampleId :

HD-01-09042025

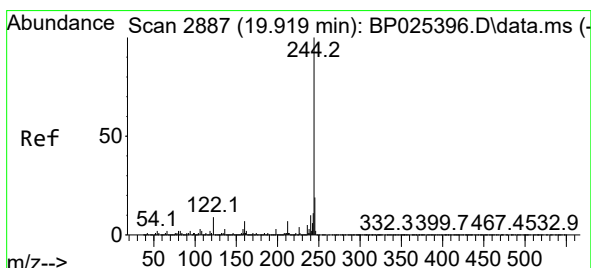
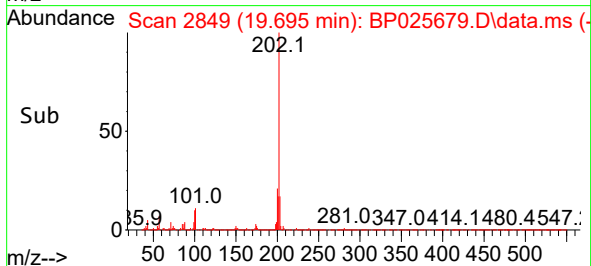
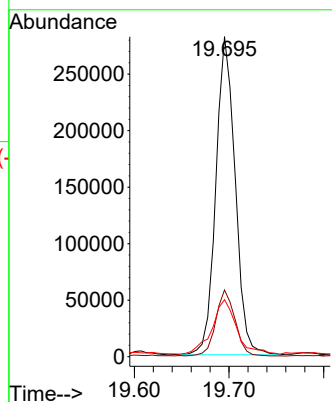
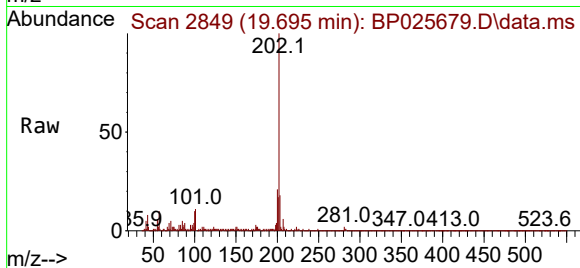
Tgt Ion:202 Resp: 400148

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 10.900 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

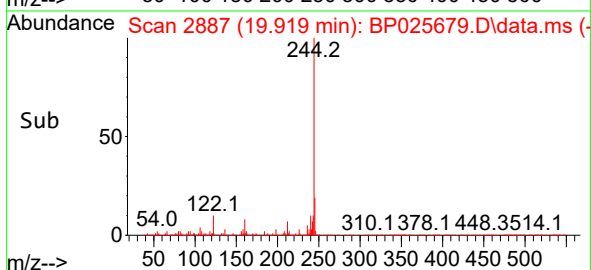
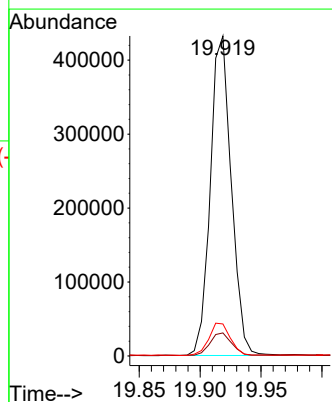
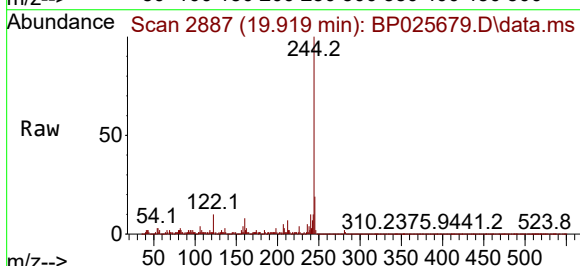
Tgt Ion:244 Resp: 518890

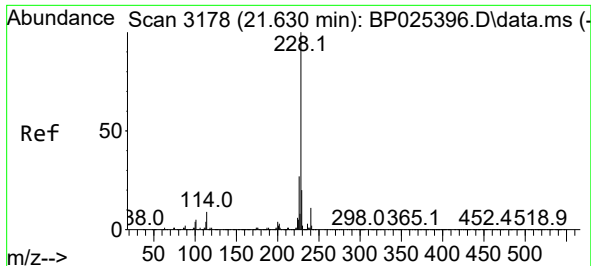
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 10.0 7.4 11.2

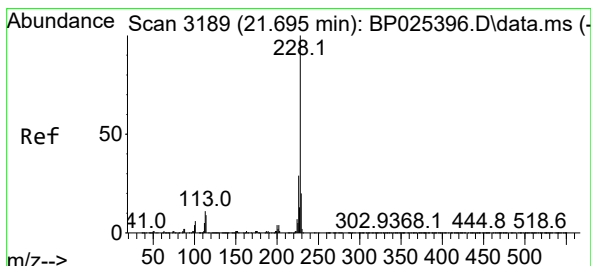
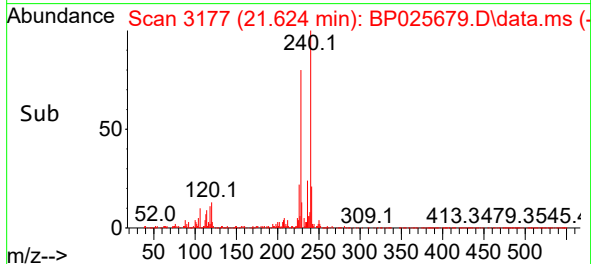
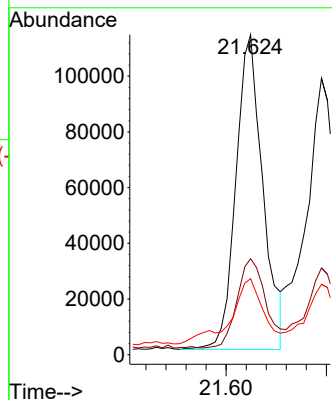
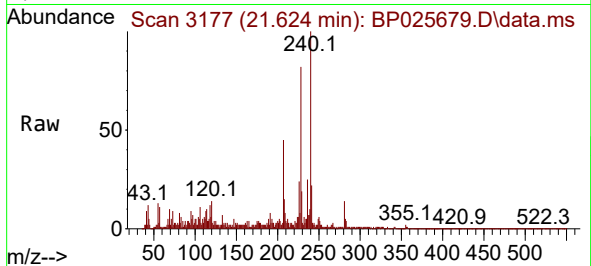




#81  
Benzo(a)anthracene  
Concen: 3.676 ng  
RT: 21.624 min Scan# 3177  
Delta R.T. -0.006 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

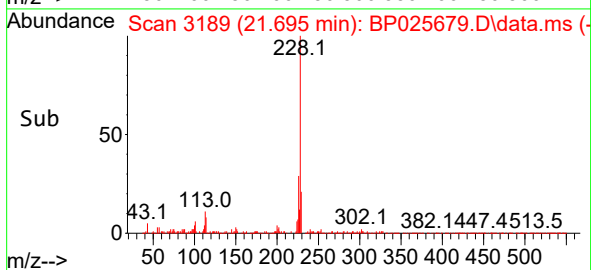
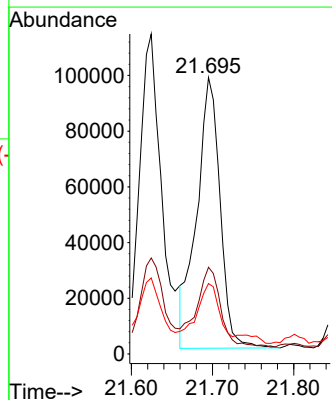
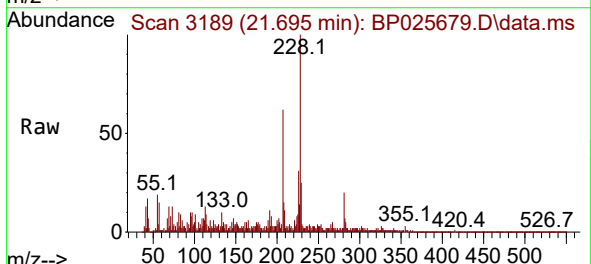
Instrument :  
BNA\_P  
ClientSampleId :  
HD-01-09042025

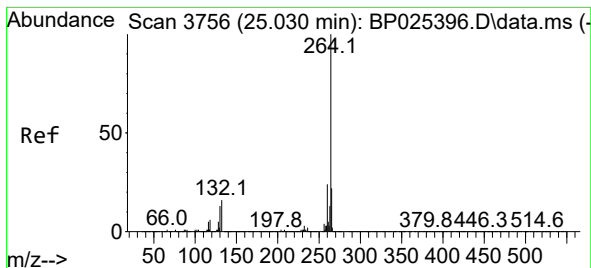
Tgt Ion:228 Resp: 211171  
Ion Ratio Lower Upper  
228 100  
226 30.0 21.7 32.5  
229 23.7 15.6 23.4#



#83  
Chrysene  
Concen: 3.612 ng  
RT: 21.695 min Scan# 3189  
Delta R.T. 0.000 min  
Lab File: BP025679.D  
Acq: 05 Sep 2025 16:37

Tgt Ion:228 Resp: 194298  
Ion Ratio Lower Upper  
228 100  
226 31.4 23.2 34.8  
229 25.4 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.030 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

Instrument :

BNA\_P

ClientSampleId :

HD-01-09042025

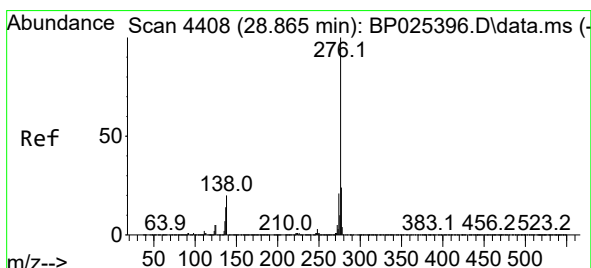
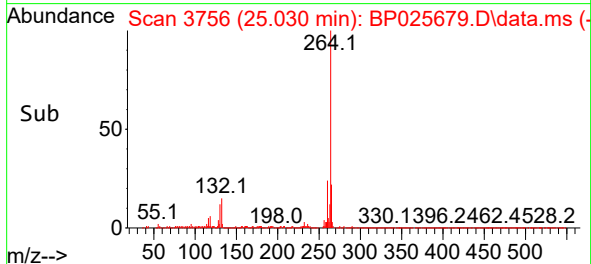
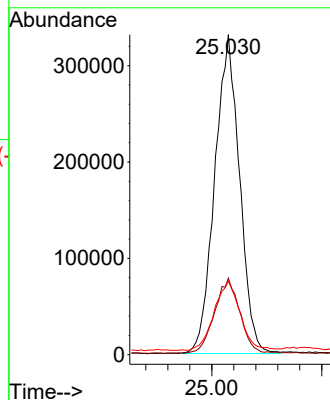
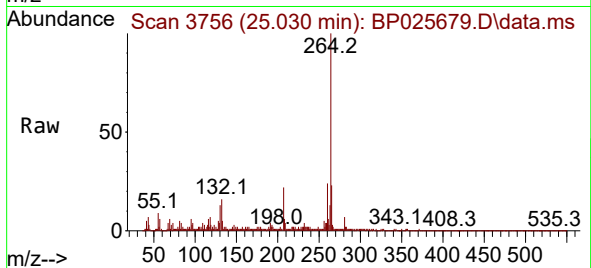
Tgt Ion:264 Resp: 1037581

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 23.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.213 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

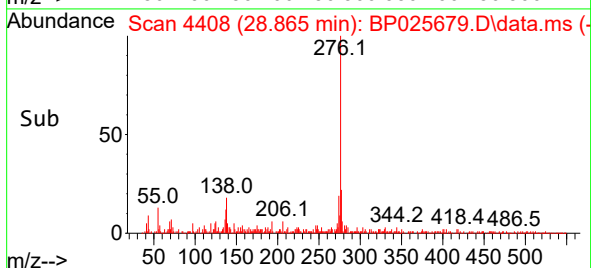
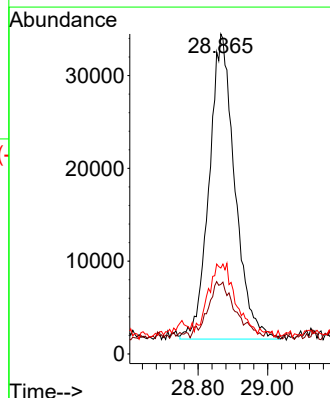
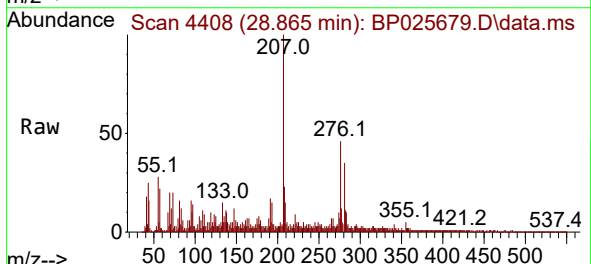
Tgt Ion:276 Resp: 168427

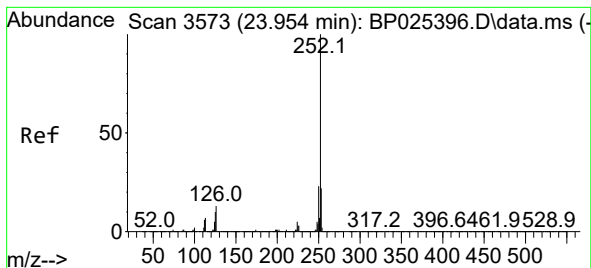
Ion Ratio Lower Upper

276 100

138 18.3 12.9 19.3

277 11.0 17.0 25.6#





#88

Benzo(b)fluoranthene

Concen: 4.861 ng

RT: 23.960 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

Instrument :

BNA\_P

ClientSampleId :

HD-01-09042025

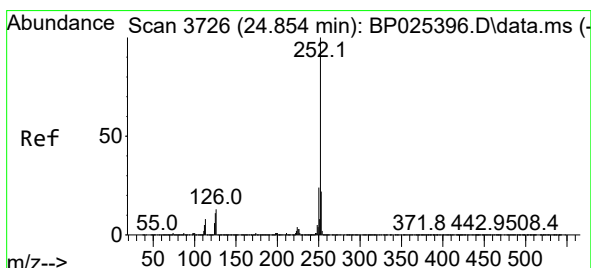
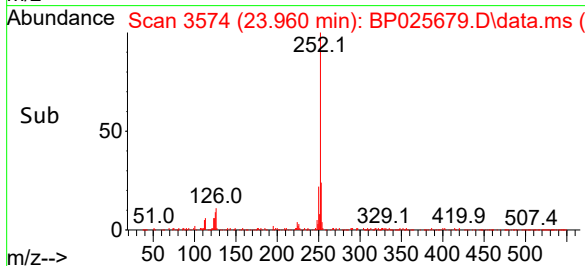
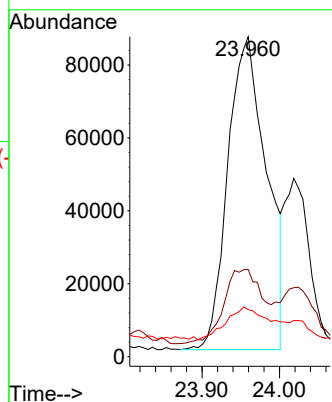
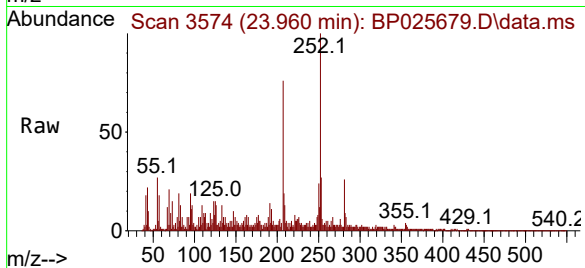
Tgt Ion:252 Resp: 297422

Ion Ratio Lower Upper

252 100

253 27.3 17.7 26.5#

125 14.7 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 3.949 ng

RT: 24.854 min Scan# 3726

Delta R.T. 0.000 min

Lab File: BP025679.D

Acq: 05 Sep 2025 16:37

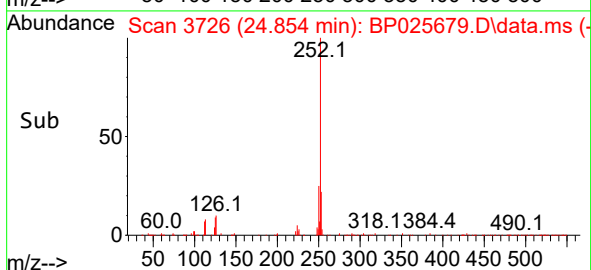
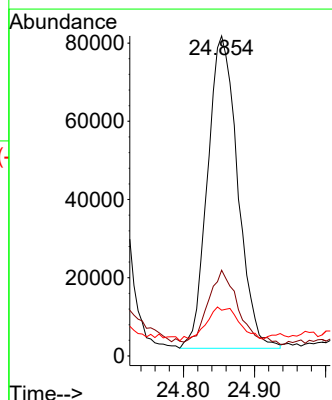
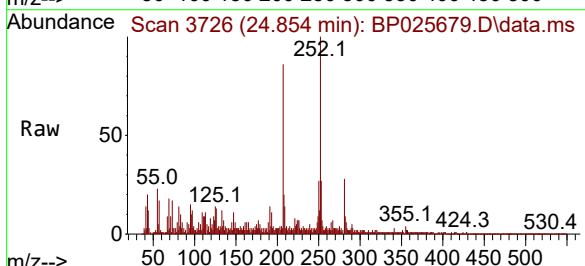
Tgt Ion:252 Resp: 235185

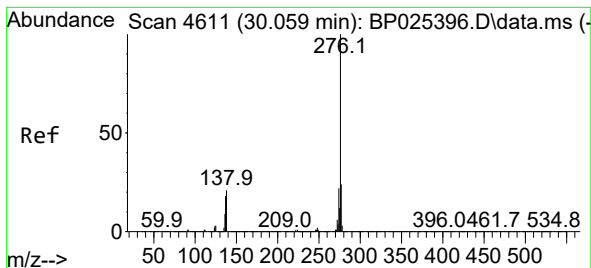
Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 14.3 8.7 13.1#





#92

Benzo(g,h,i)perylene

Concen: 2.897 ng

RT: 30.053 min Scan# 4

Delta R.T. -0.006 min

Lab File: BP025679.D

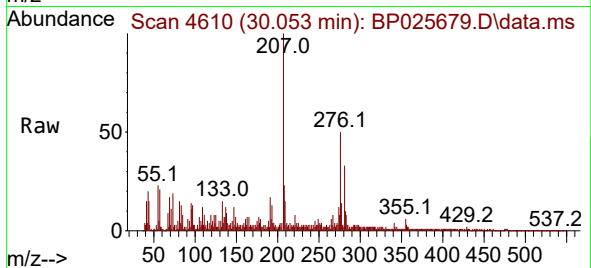
Acq: 05 Sep 2025 16:37

Instrument :

BNA\_P

ClientSampleId :

HD-01-09042025



Tgt Ion:276 Resp: 177052

Ion Ratio Lower Upper

276 100

277 27.3 19.4 29.0

138 19.0 16.7 25.1

