

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP073125\  
 Data File : BP025285.D  
 Acq On : 31 Jul 2025 18:14  
 Operator : CG/JU  
 Sample : Q2728-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 7211931-VNJ240

Quant Time: Jul 31 18:32:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 29 15:28:11 2025  
 Response via : Initial Calibration

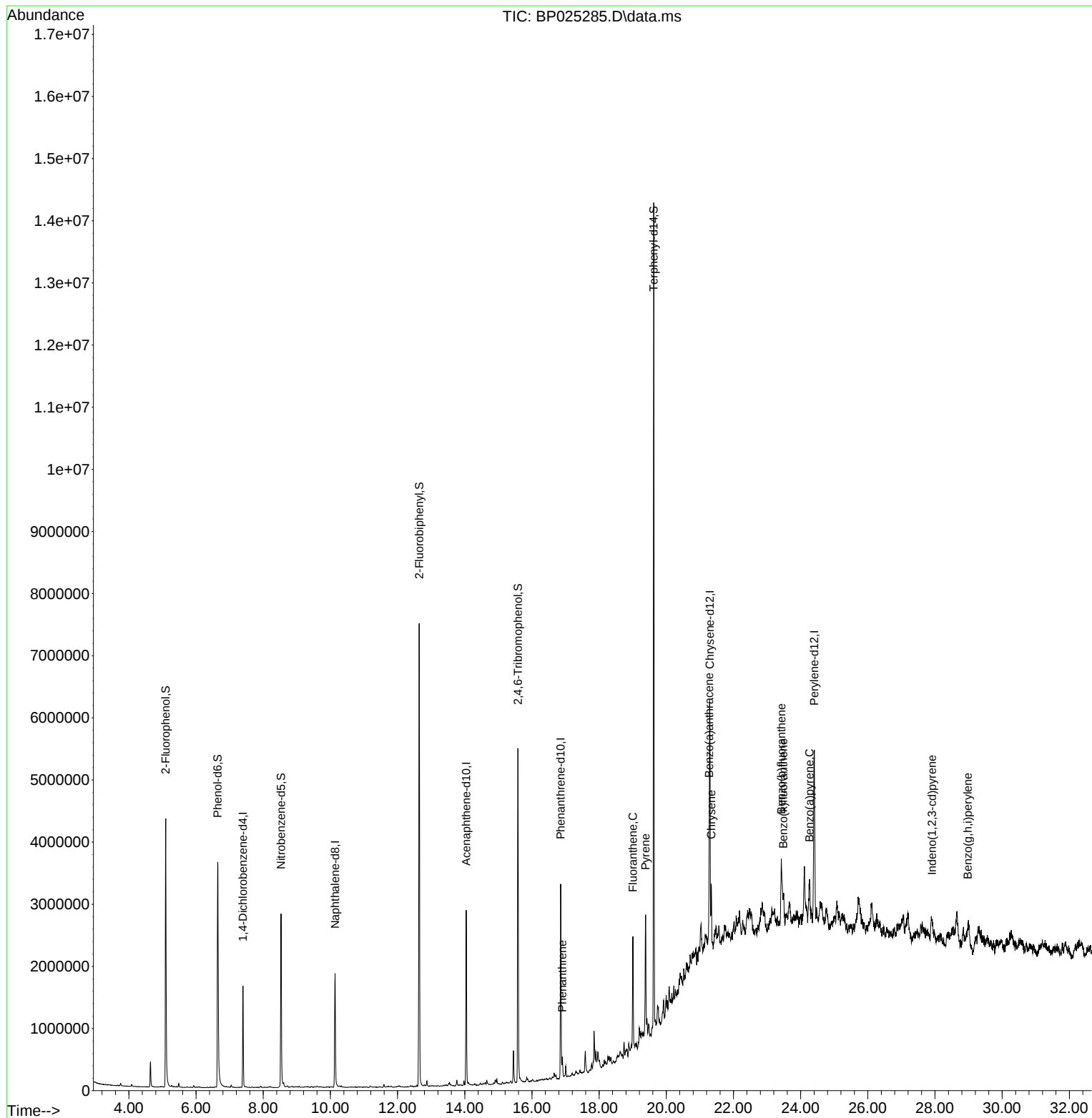
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.396  | 152  | 418212   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.137 | 136  | 1640402  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.042 | 164  | 1009468  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.854 | 188  | 2015502  | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 21.295 | 240  | 2153952  | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 24.407 | 264  | 2578994  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.096  | 112  | 2160819  | 87.300 | ng    | -0.01    |
| 7) Phenol-d6                | 6.643  | 99   | 2701578  | 88.126 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.531  | 82   | 1645561  | 55.748 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.584 | 330  | 1231151  | 82.729 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.642 | 172  | 4181931  | 58.404 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.624 | 244  | 6634518  | 60.803 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 16.901 | 178  | 217515   | 2.001  | ng    | 100      |
| 75) Fluoranthene            | 19.007 | 202  | 1163442  | 9.094  | ng    | 100      |
| 78) Pyrene                  | 19.383 | 202  | 1259733  | 9.485  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.277 | 228  | 608273   | 4.472  | ng    | 96       |
| 83) Chrysene                | 21.336 | 228  | 869749m  | 6.850  | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 27.906 | 276  | 508181   | 2.696  | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 23.424 | 252  | 1049667  | 7.110  | ng    | # 93     |
| 89) Benzo(k)fluoranthene    | 23.483 | 252  | 417217m  | 2.863  | ng    |          |
| 90) Benzo(a)pyrene          | 24.260 | 252  | 683468   | 4.745  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene    | 28.977 | 276  | 574904   | 3.805  | ng    | # 87     |
| -----                       |        |      |          |        |       |          |

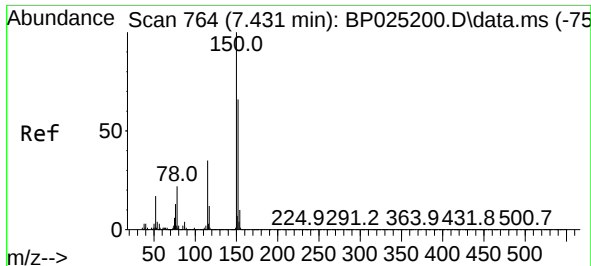
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP073125\  
Data File : BP025285.D  
Acq On : 31 Jul 2025 18:14  
Operator : CG/JU  
Sample : Q2728-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

Quant Time: Jul 31 18:32:10 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 29 15:28:11 2025  
Response via : Initial Calibration

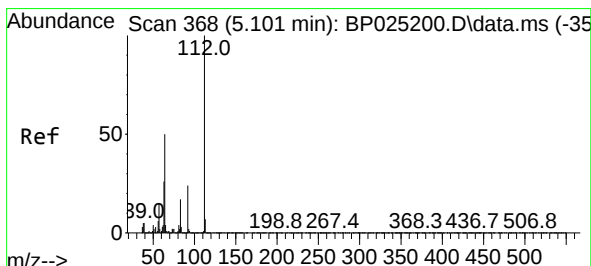
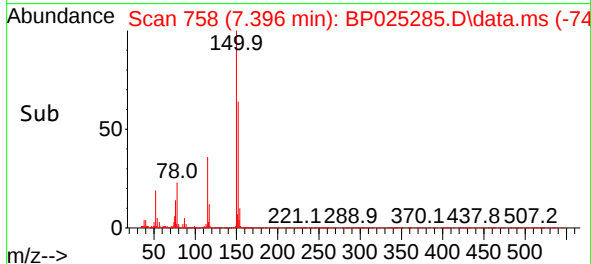
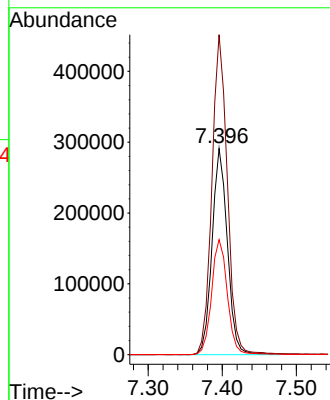
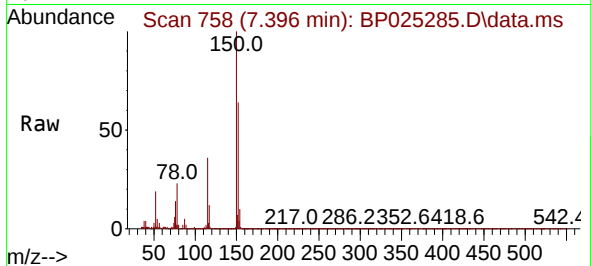




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.396 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

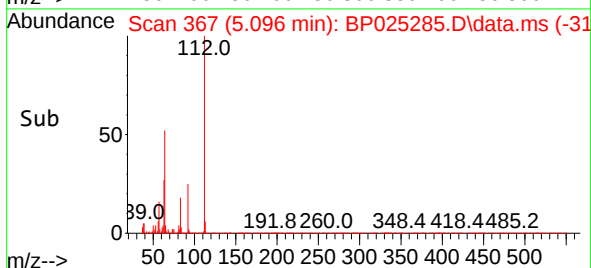
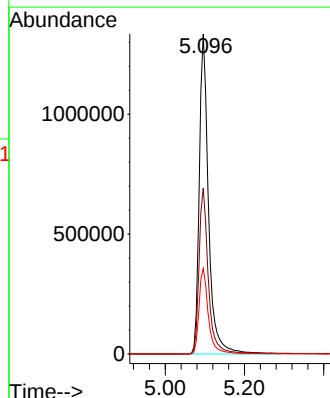
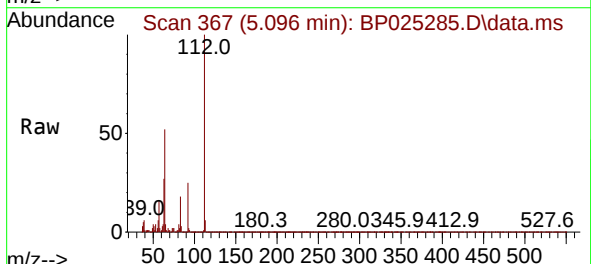
Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

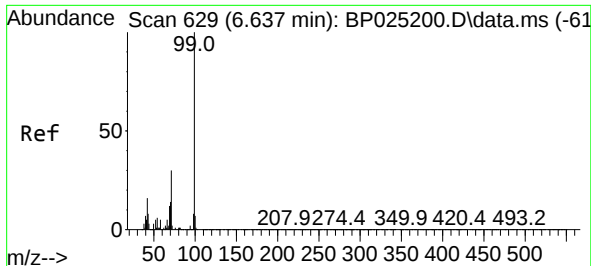
Tgt Ion:152 Resp: 418212  
Ion Ratio Lower Upper  
152 100  
150 155.1 121.9 182.9  
115 55.8 43.0 64.6



#5  
2-Fluorophenol  
Concen: 87.300 ng  
RT: 5.096 min Scan# 367  
Delta R.T. -0.012 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:112 Resp: 2160819  
Ion Ratio Lower Upper  
112 100  
64 51.8 39.8 59.6  
63 26.7 20.5 30.7

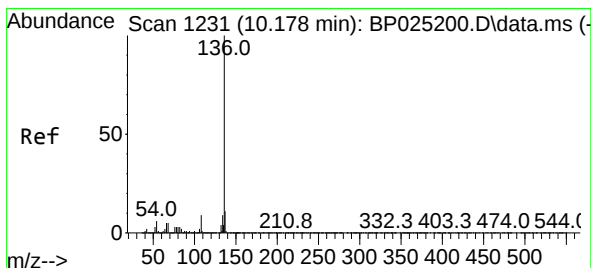
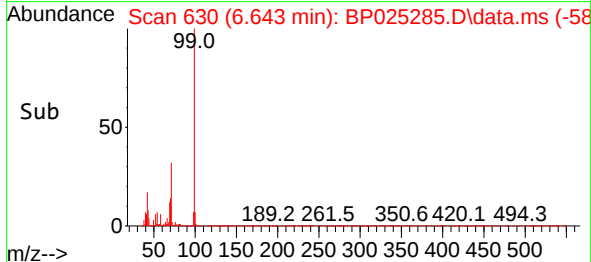
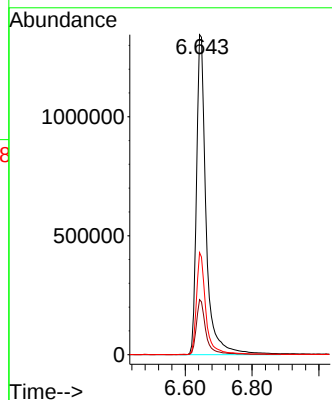
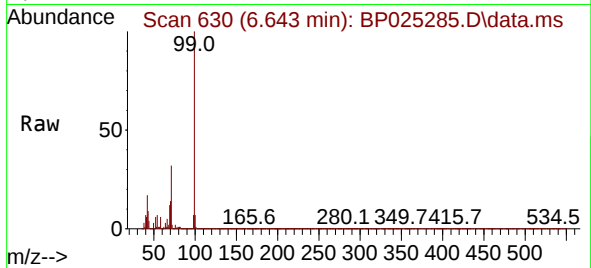




#7  
Phenol-d6  
Concen: 88.126 ng  
RT: 6.643 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

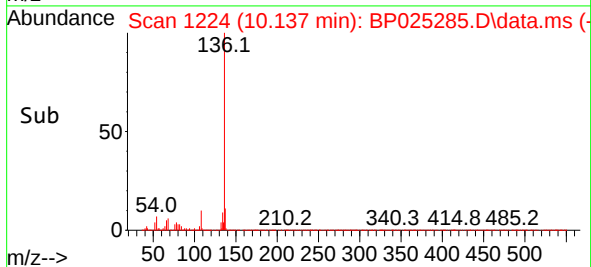
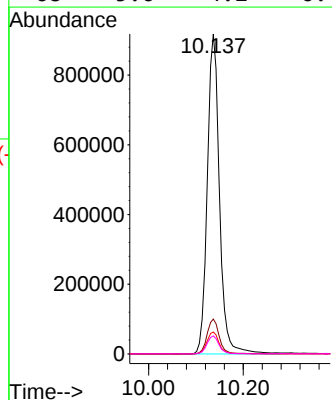
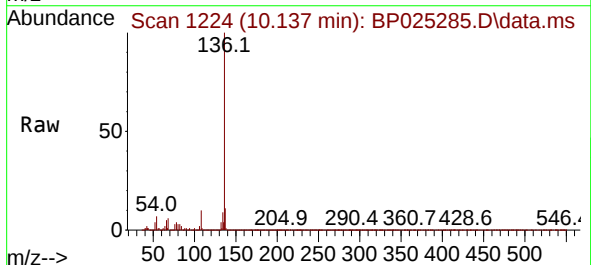
Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

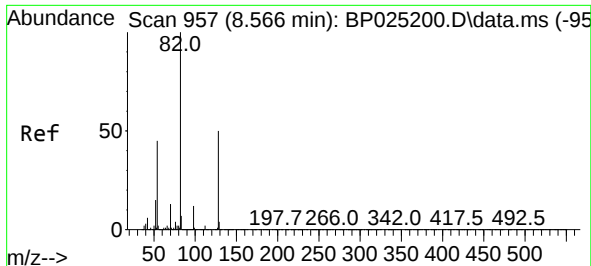
Tgt Ion: 99 Resp: 2701578  
Ion Ratio Lower Upper  
99 100  
42 17.2 12.5 18.7  
71 31.9 24.2 36.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.137 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:136 Resp: 1640402  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 6.8 5.1 7.7  
68 5.6 4.2 6.4

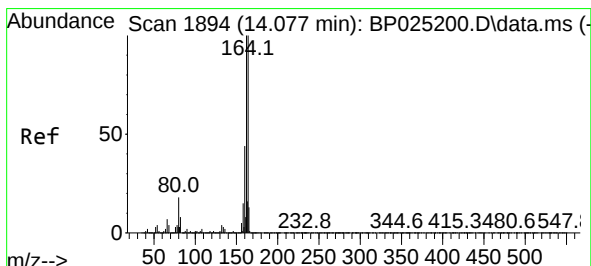
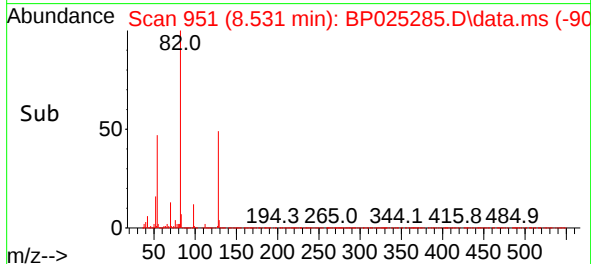
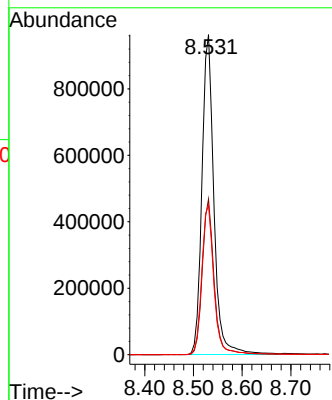
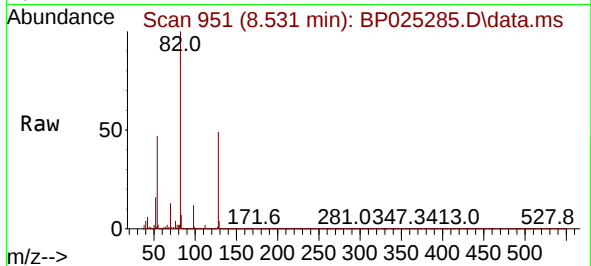




#23  
Nitrobenzene-d5  
Concen: 55.748 ng  
RT: 8.531 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

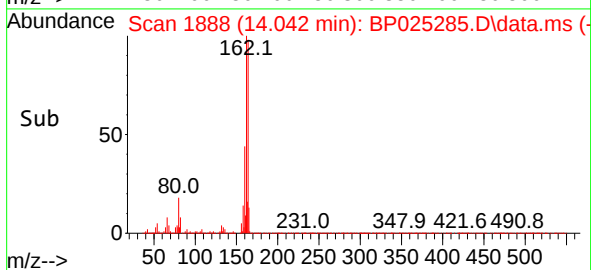
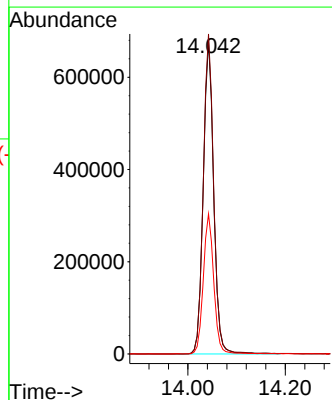
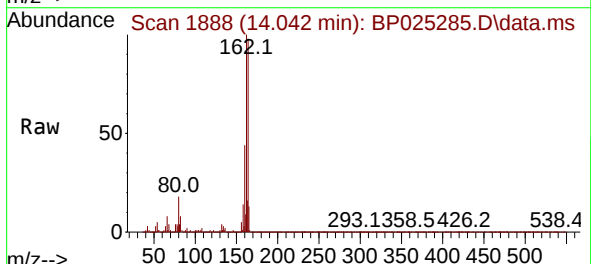
Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

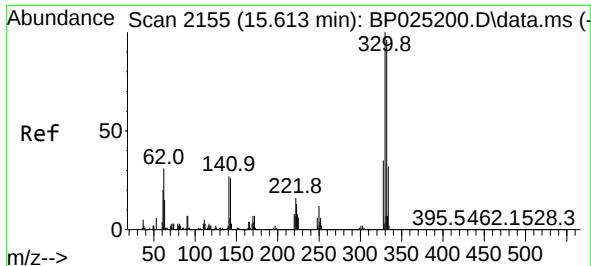
Tgt Ion: 82 Resp: 1645561  
Ion Ratio Lower Upper  
82 100  
128 48.6 40.2 60.4  
54 46.7 36.3 54.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.042 min Scan# 1888  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:164 Resp: 1009468  
Ion Ratio Lower Upper  
164 100  
162 102.3 80.3 120.5  
160 44.8 35.7 53.5

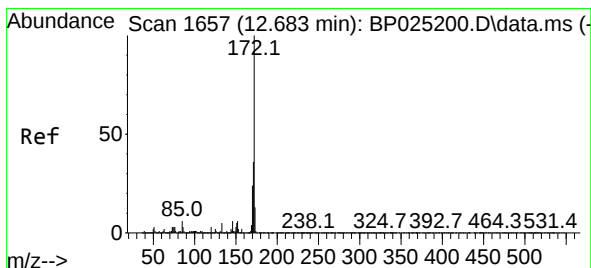
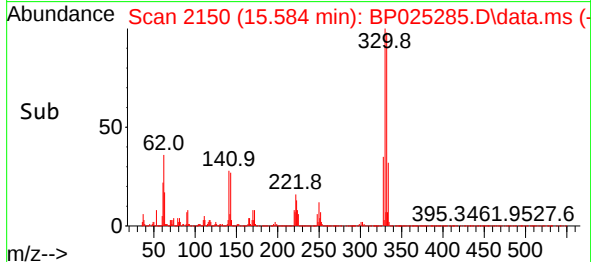
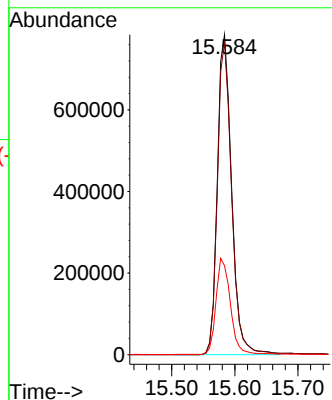
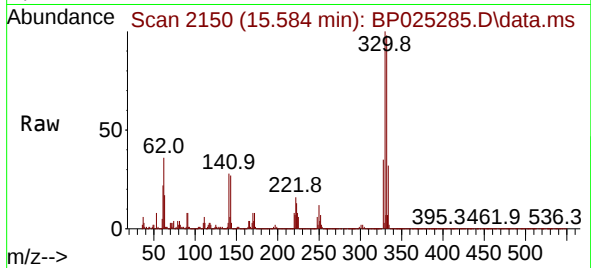




#42  
2,4,6-Tribromophenol  
Concen: 82.729 ng  
RT: 15.584 min Scan# 2155  
Delta R.T. 0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

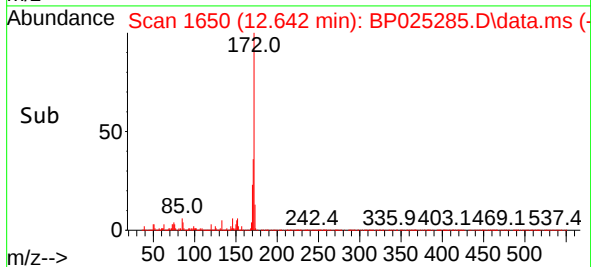
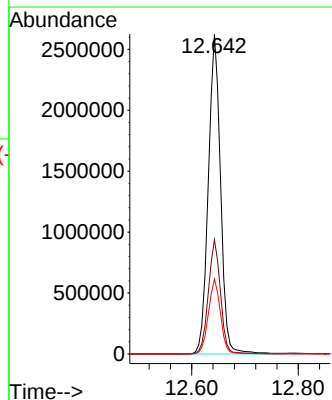
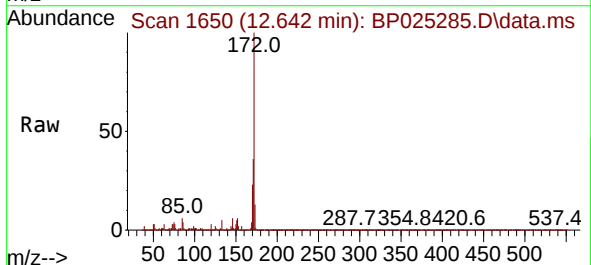
Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

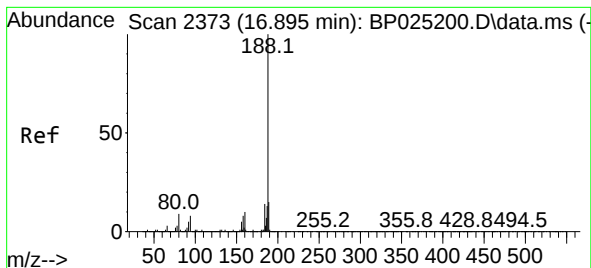
Tgt Ion:330 Resp: 1231151  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.1 115.7  
141 30.3 22.4 33.6



#45  
2-Fluorobiphenyl  
Concen: 58.404 ng  
RT: 12.642 min Scan# 1650  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:172 Resp: 4181931  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 23.4 19.2 28.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.854 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Instrument :

BNA\_P

ClientSampleId :

7211931-VNJ240

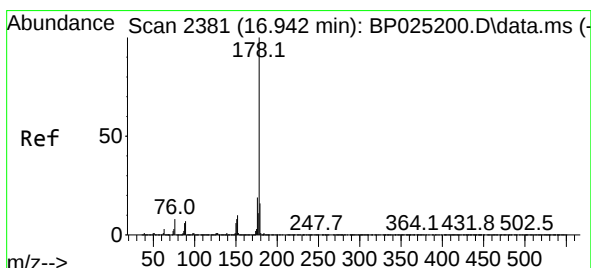
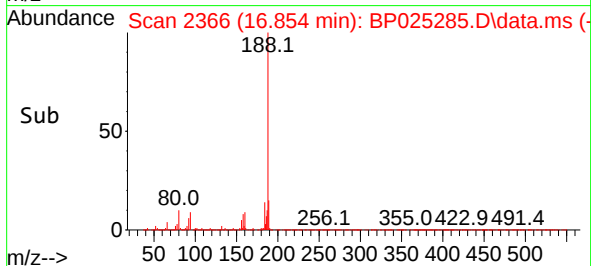
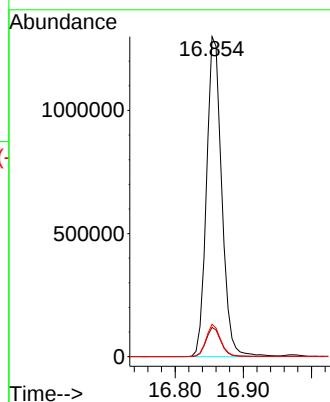
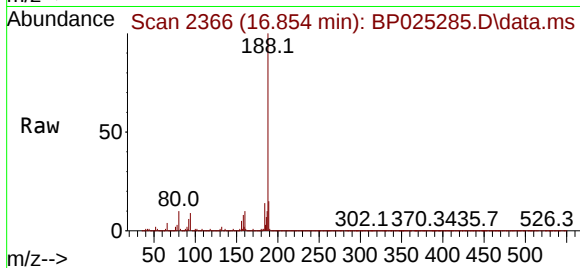
Tgt Ion:188 Resp: 2015502

Ion Ratio Lower Upper

188 100

94 9.2 6.8 10.2

80 10.1 7.3 10.9



#71

Phenanthrene

Concen: 2.001 ng

RT: 16.901 min Scan# 2374

Delta R.T. -0.018 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

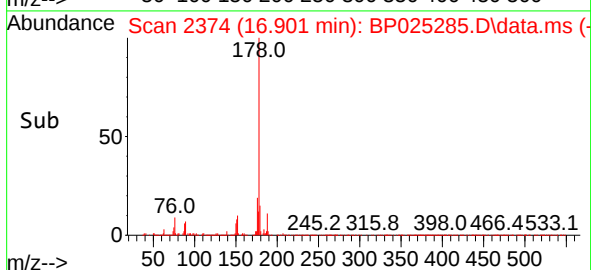
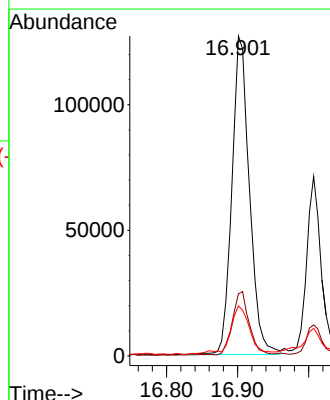
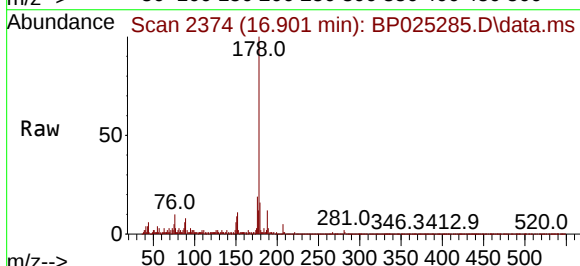
Tgt Ion:178 Resp: 217515

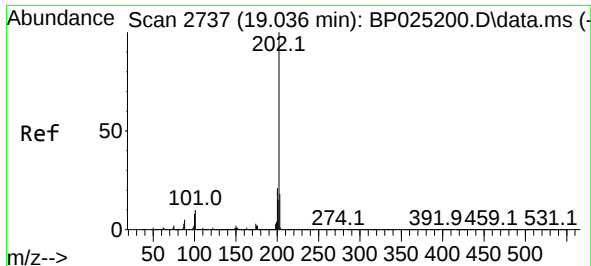
Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.6 12.5 18.7

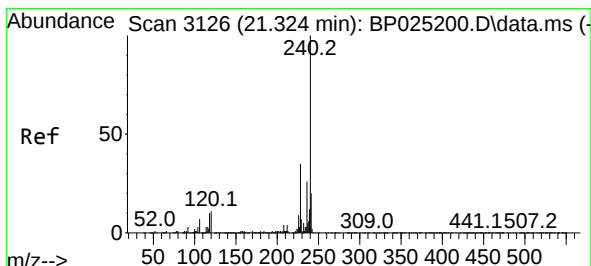
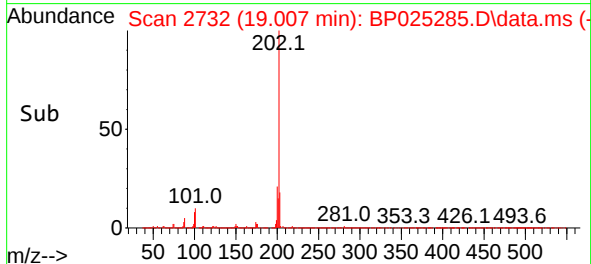
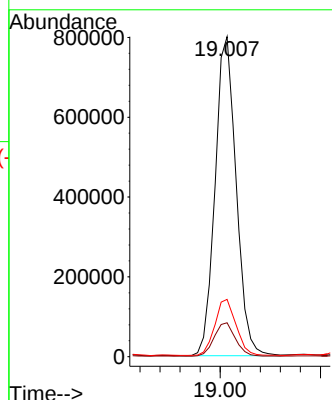
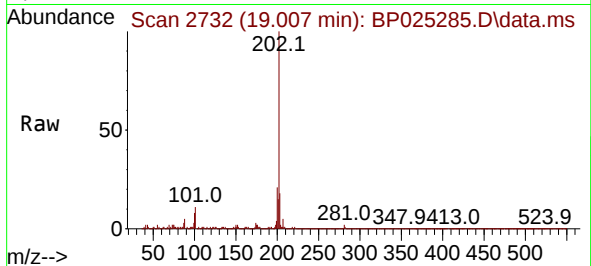




#75  
Fluoranthene  
Concen: 9.094 ng  
RT: 19.007 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

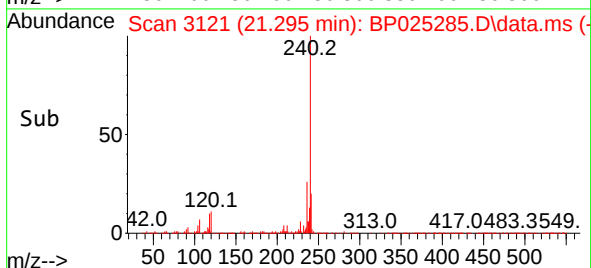
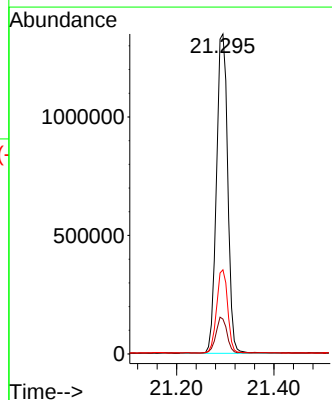
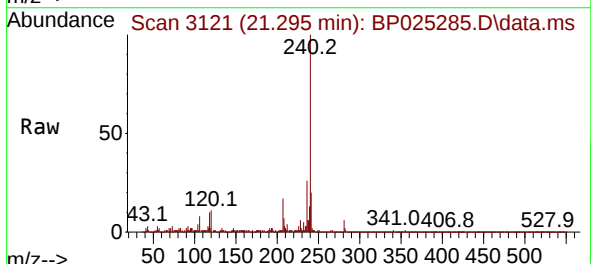
Instrument :  
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7211931-VNJ240

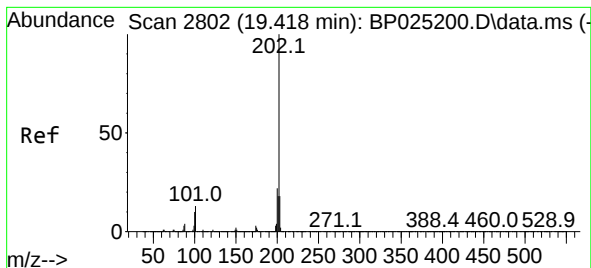
Tgt Ion:202 Resp: 1163442  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 30.3  
203 17.9 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.295 min Scan# 3121  
Delta R.T. -0.012 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:240 Resp: 2153952  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.8 13.2  
236 26.3 20.9 31.3





#78

Pyrene

Concen: 9.485 ng

RT: 19.383 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Instrument :

BNA\_P

ClientSampleId :

7211931-VNJ240

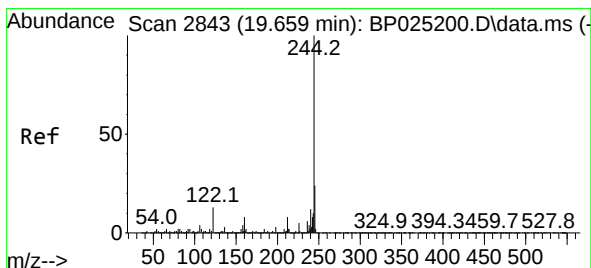
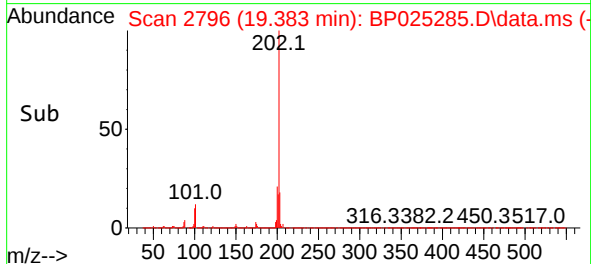
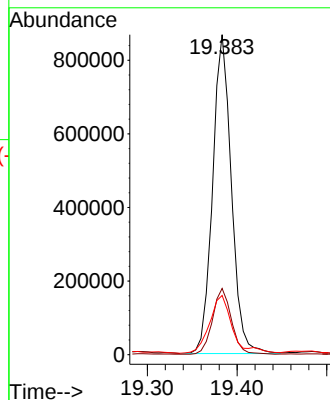
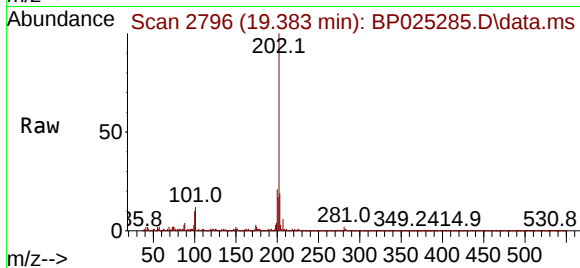
Tgt Ion:202 Resp: 1259733

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 60.803 ng

RT: 19.624 min Scan# 2837

Delta R.T. -0.006 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

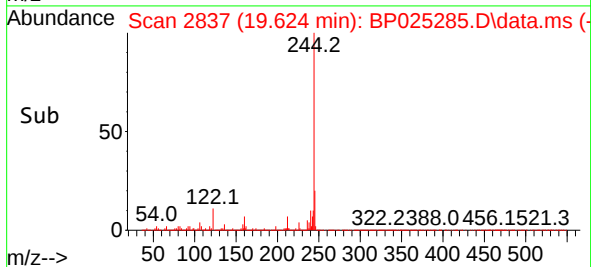
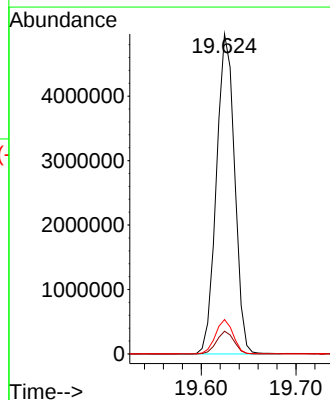
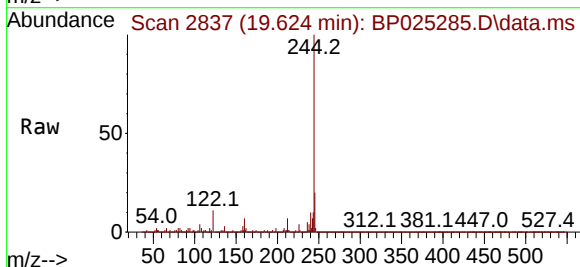
Tgt Ion:244 Resp: 6634518

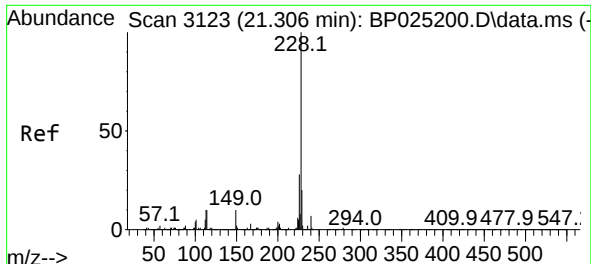
Ion Ratio Lower Upper

244 100

212 7.1 6.6 9.8

122 10.7 10.3 15.5

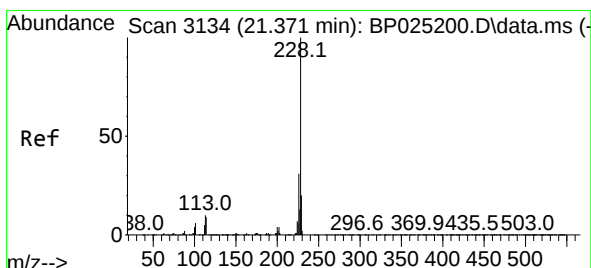
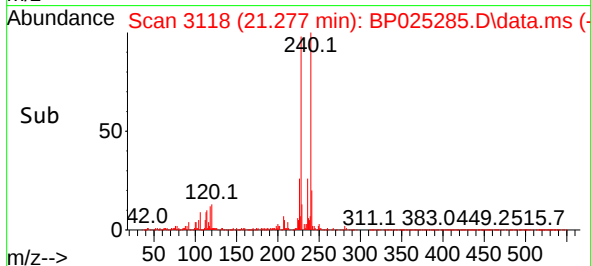
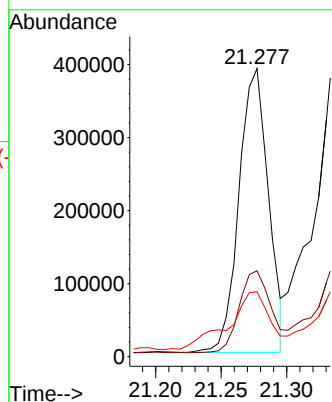
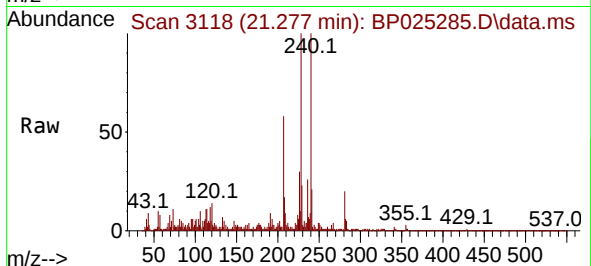




#81  
Benzo(a)anthracene  
Concen: 4.472 ng  
RT: 21.277 min Scan# 3118  
Delta R.T. -0.006 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

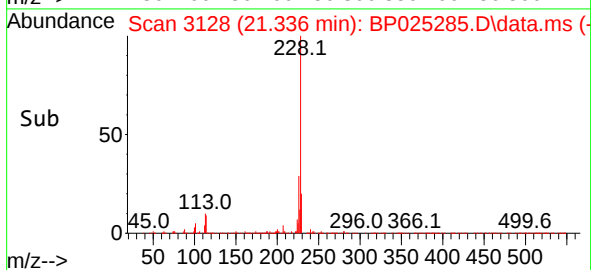
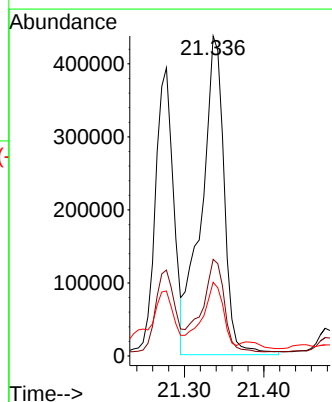
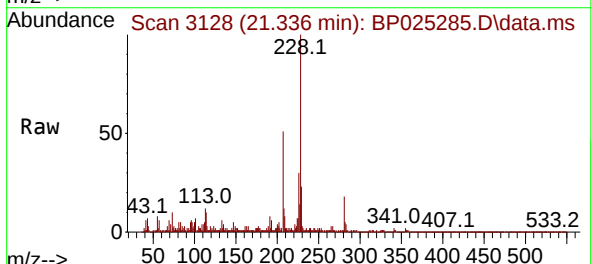
Instrument :  
BNA\_P  
ClientSampleId :  
7211931-VNJ240

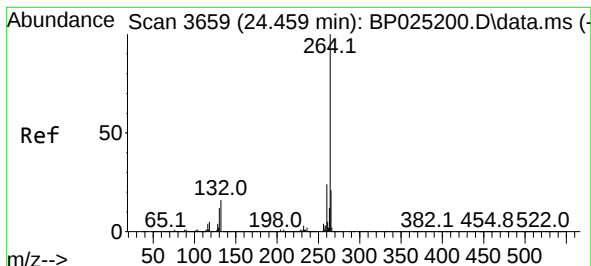
Tgt Ion:228 Resp: 608273  
Ion Ratio Lower Upper  
228 100  
226 29.8 22.3 33.5  
229 22.6 16.2 24.2



#83  
Chrysene  
Concen: 6.850 ng m  
RT: 21.336 min Scan# 3128  
Delta R.T. -0.012 min  
Lab File: BP025285.D  
Acq: 31 Jul 2025 18:14

Tgt Ion:228 Resp: 869749  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.6 37.0  
229 23.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.407 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Instrument :

BNA\_P

ClientSampleId :

7211931-VNJ240

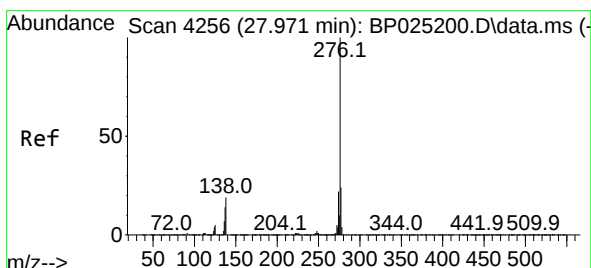
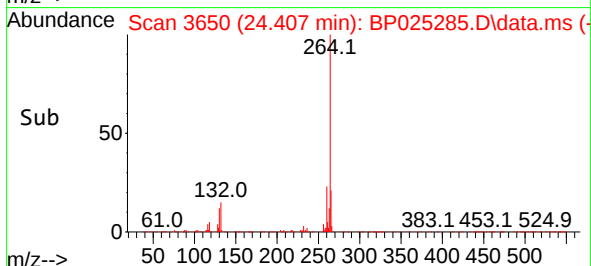
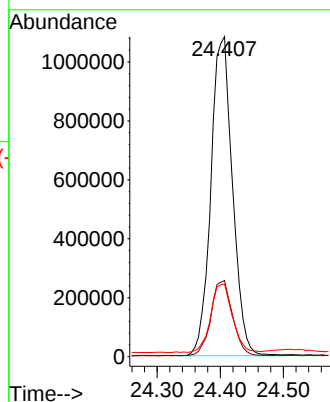
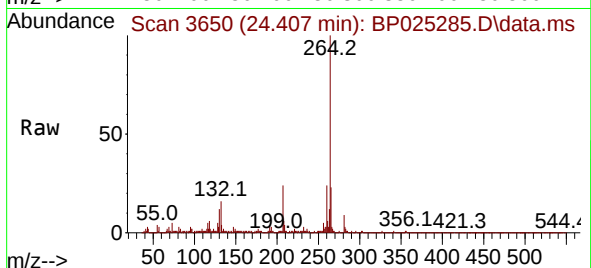
Tgt Ion:264 Resp: 2578994

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 22.7 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.696 ng

RT: 27.906 min Scan# 4245

Delta R.T. -0.012 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

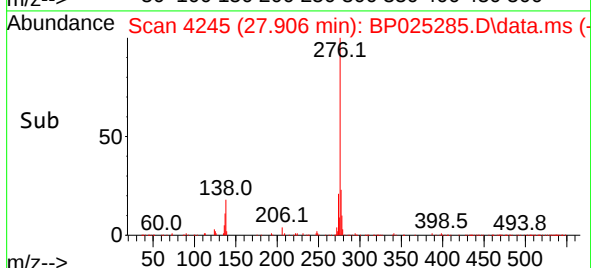
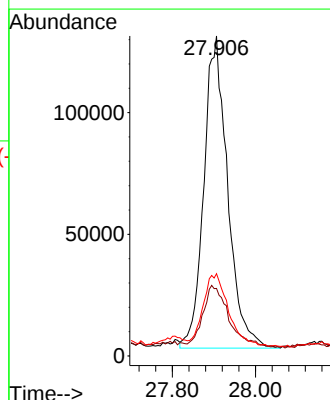
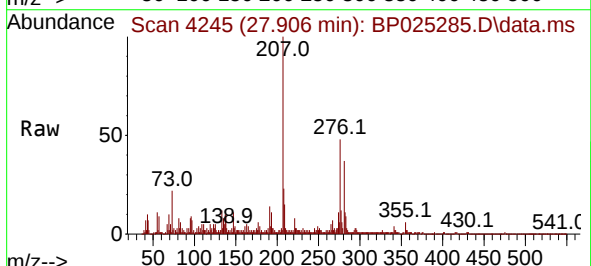
Tgt Ion:276 Resp: 508181

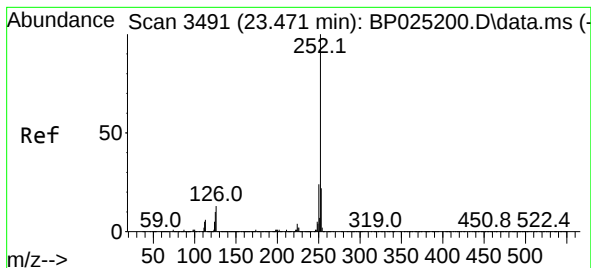
Ion Ratio Lower Upper

276 100

138 21.7 12.8 19.2#

277 24.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.110 ng

RT: 23.424 min Scan# 3491

Delta R.T. -0.012 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Instrument :

BNA\_P

ClientSampleId :

7211931-VNJ240

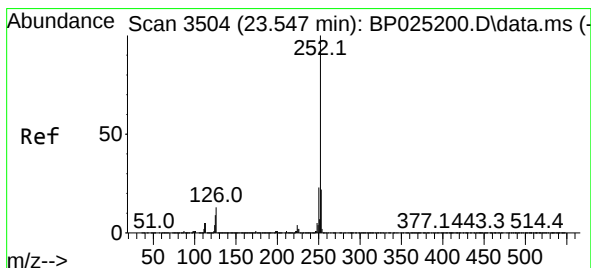
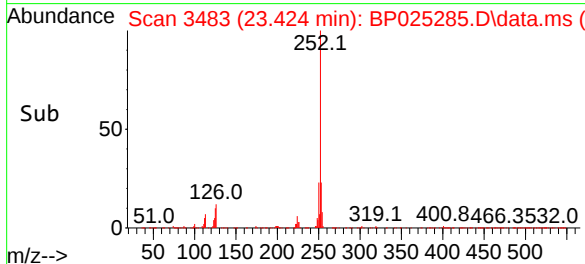
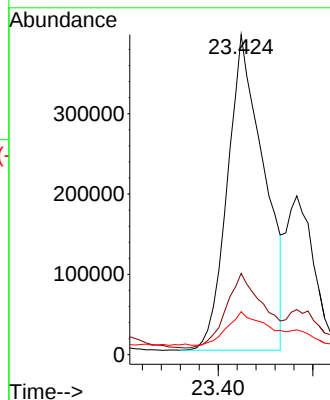
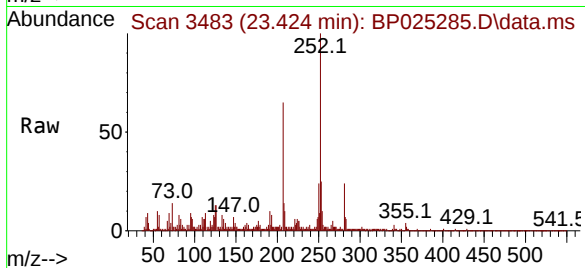
Tgt Ion:252 Resp: 1049667

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

125 13.4 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 2.863 ng m

RT: 23.483 min Scan# 3493

Delta R.T. -0.018 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

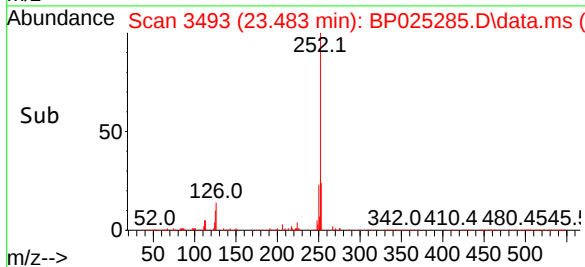
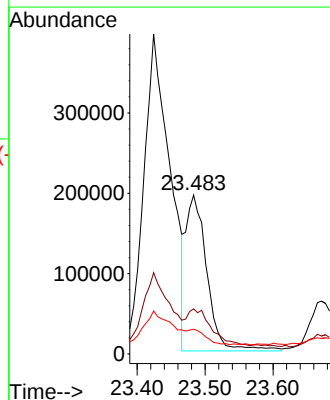
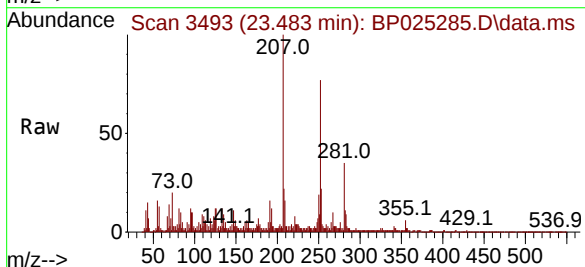
Tgt Ion:252 Resp: 417217

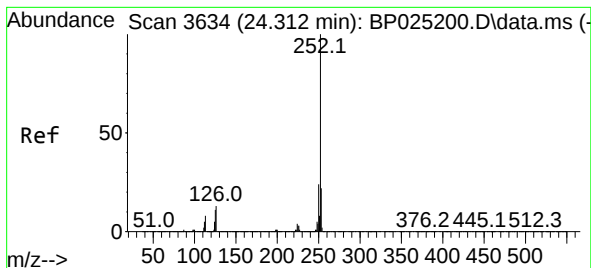
Ion Ratio Lower Upper

252 100

253 28.4 17.8 26.6#

125 15.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.745 ng

RT: 24.260 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Instrument :

BNA\_P

ClientSampleId :

7211931-VNJ240

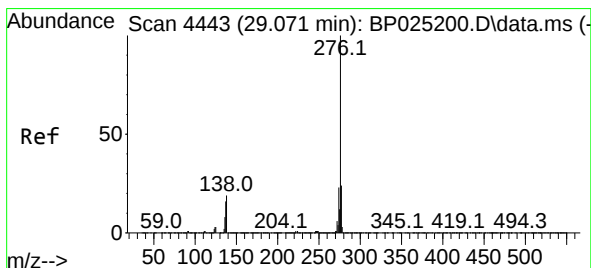
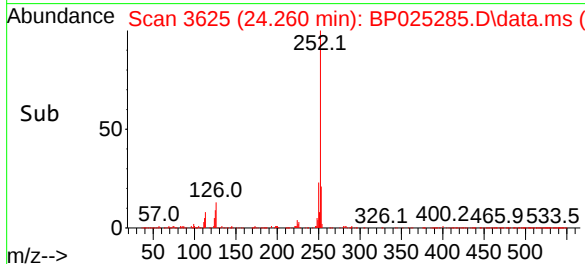
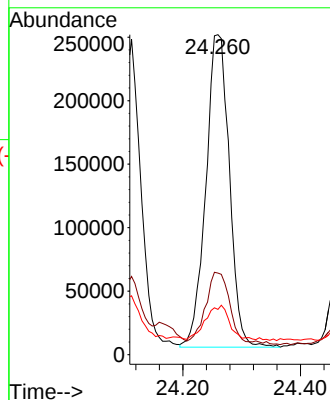
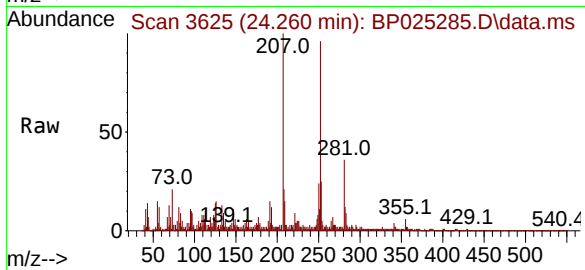
Tgt Ion:252 Resp: 683468

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

125 14.1 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 3.805 ng

RT: 28.977 min Scan# 4427

Delta R.T. -0.018 min

Lab File: BP025285.D

Acq: 31 Jul 2025 18:14

Tgt Ion:276 Resp: 574904

Ion Ratio Lower Upper

276 100

277 27.0 19.2 28.8

138 28.9 15.4 23.2#

