

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025510.D
 Acq On : 20 Aug 2025 16:15
 Operator : CG/JU
 Sample : Q2889-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 20 16:46:32 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)

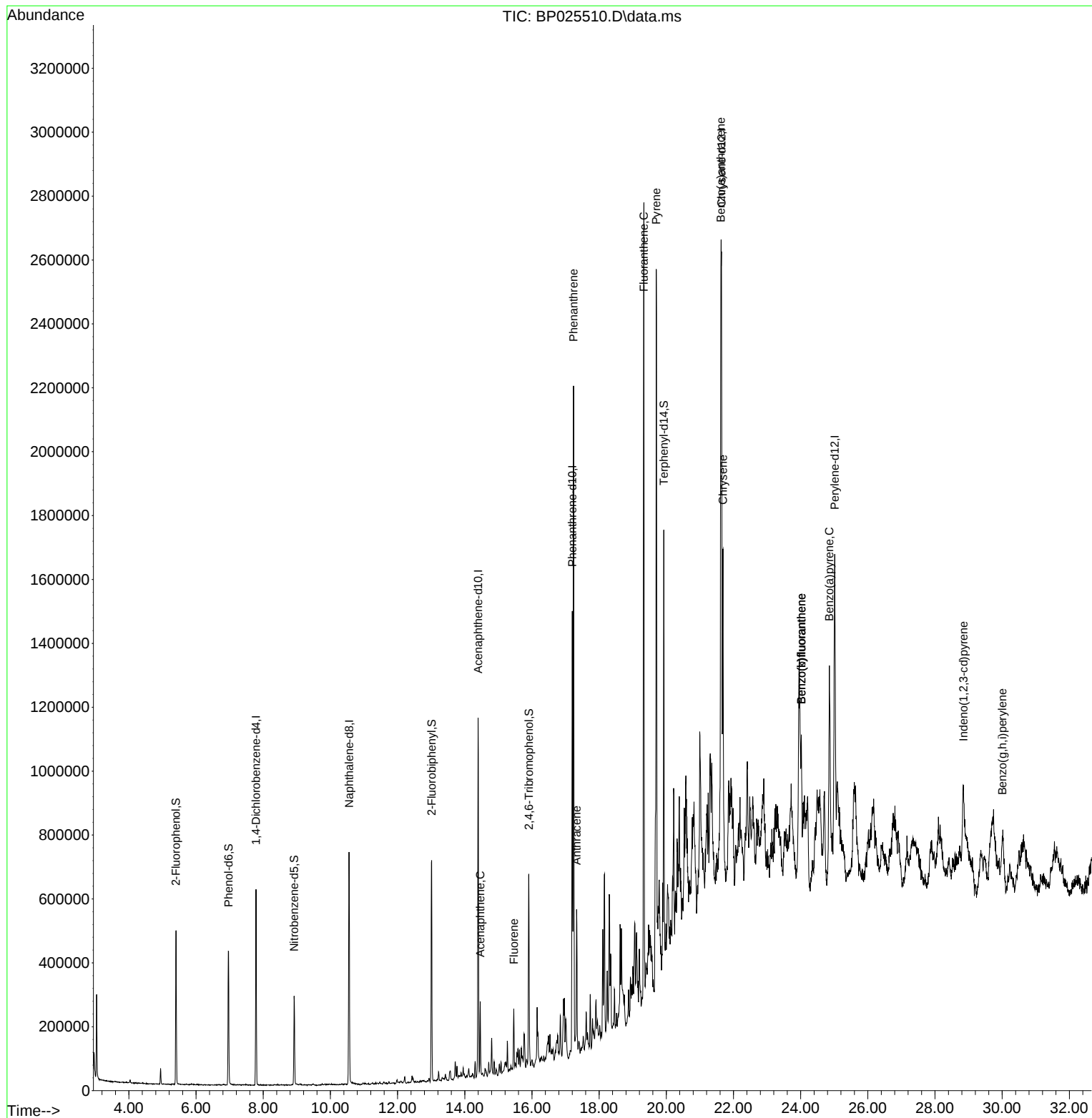
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	166678	20.000	ng	-0.01
21) Naphthalene-d8	10.555	136	638810	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	381411	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	752375	20.000	ng	0.00
76) Chrysene-d12	21.642	240	804684	20.000	ng	0.00
86) Perylene-d12	25.013	264	975499	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	205747	20.500	ng	0.00
7) Phenol-d6	6.966	99	254985	19.816	ng	0.00
23) Nitrobenzene-d5	8.919	82	161216	12.766	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	105972	20.642	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	383199	13.731	ng	0.00
79) Terphenyl-d14	19.925	244	595873	13.548	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.460	154	74212	3.543	ng	96
58) Fluorene	15.460	166	74987	2.870	ng	95
71) Phenanthrene	17.237	178	1273376	30.810	ng	99
72) Anthracene	17.331	178	304881	7.224	ng	99
75) Fluoranthene	19.331	202	1576368	31.975	ng	99
78) Pyrene	19.701	202	1465444	28.019	ng	99
81) Benzo(a)anthracene	21.625	228	746771	14.072	ng	98
83) Chrysene	21.689	228	664087	13.362	ng	99
87) Indeno(1,2,3-cd)pyrene	28.848	276	350268	4.896	ng	# 93
88) Benzo(b)fluoranthene	24.024	252	289756	5.037	ng	97
89) Benzo(k)fluoranthene	24.024	252	289759	5.034	ng	95
90) Benzo(a)pyrene	24.854	252	594846	10.623	ng	96
92) Benzo(g,h,i)perylene	30.006	276	293324	5.104	ng	99

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

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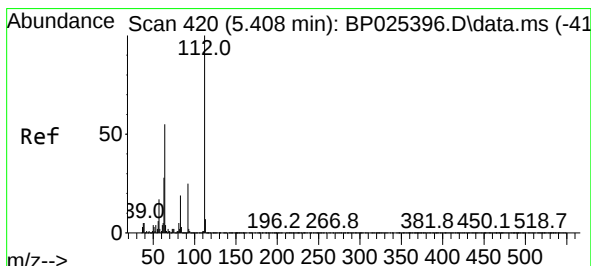
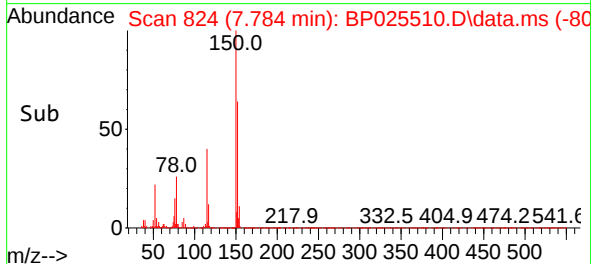
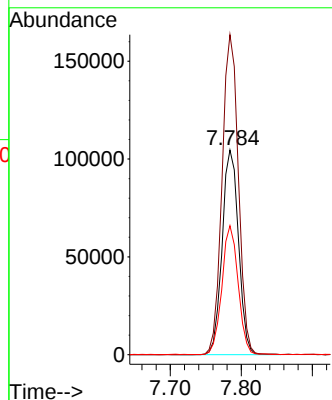
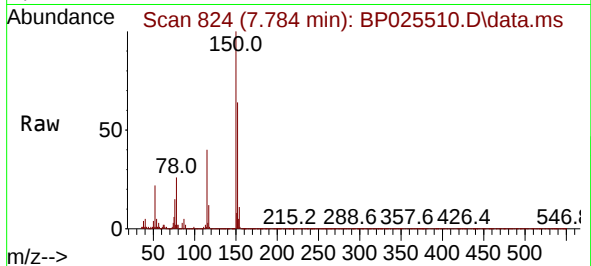




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

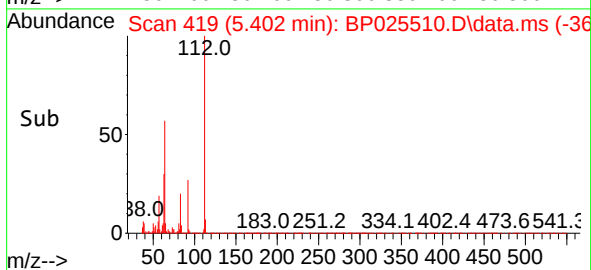
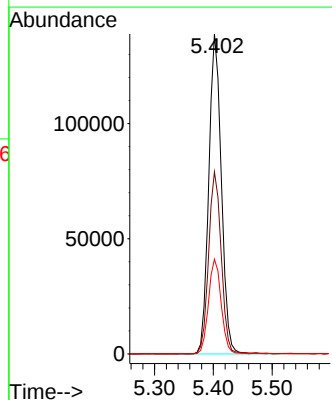
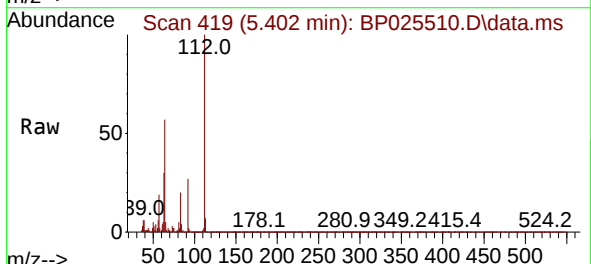
Instrument :
BNA_P
ClientSampleId :

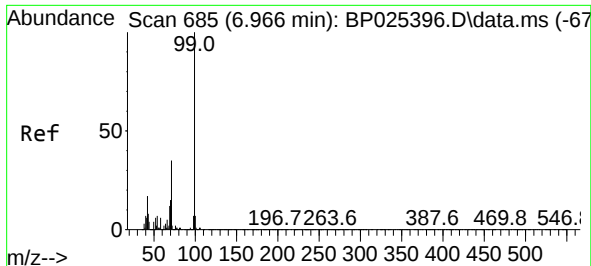
Tgt Ion:152 Resp: 166678
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 63.1 48.5 72.7



#5
2-Fluorophenol
Concen: 20.500 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

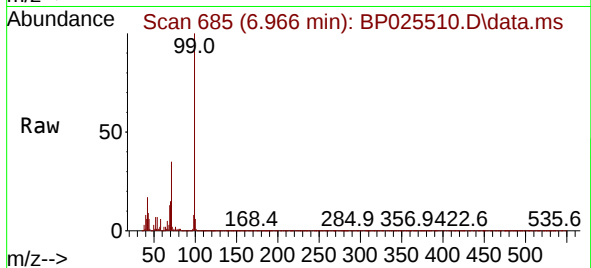
Tgt Ion:112 Resp: 205747
Ion Ratio Lower Upper
112 100
64 56.9 43.8 65.8
63 29.6 22.7 34.1



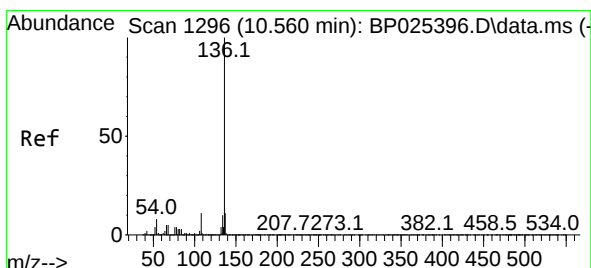
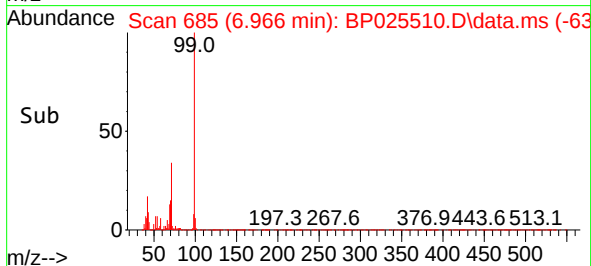
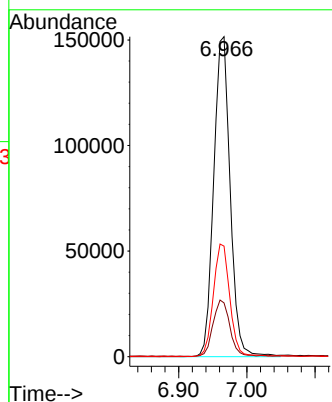


#7
Phenol-d6
Concen: 19.816 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_P
ClientSampleId :

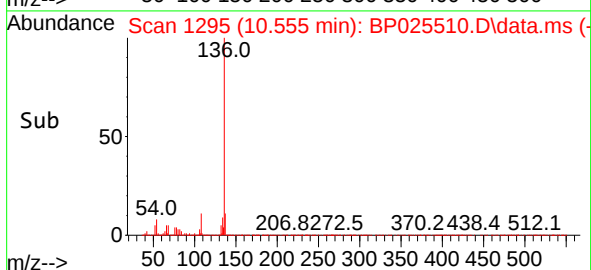
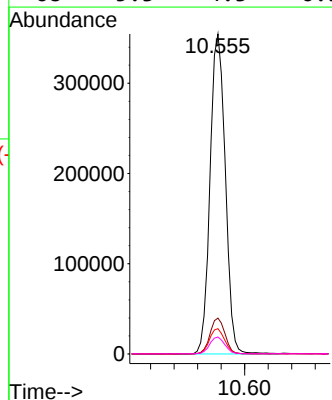
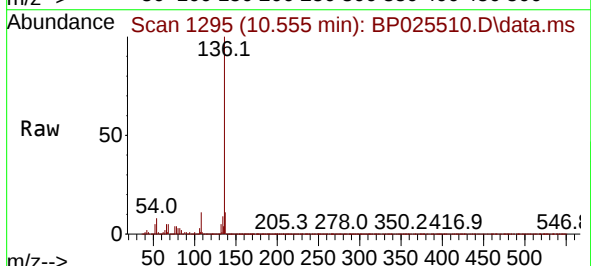


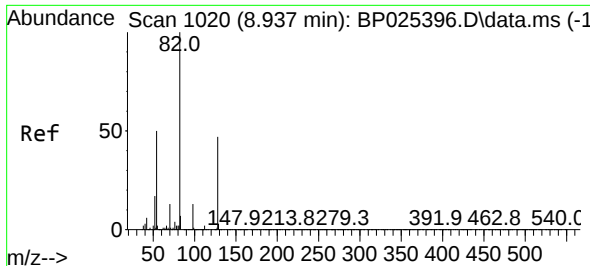
Tgt Ion: 99 Resp: 254985
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 34.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion: 136 Resp: 638810
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.9 6.0 9.0
68 5.3 4.3 6.5

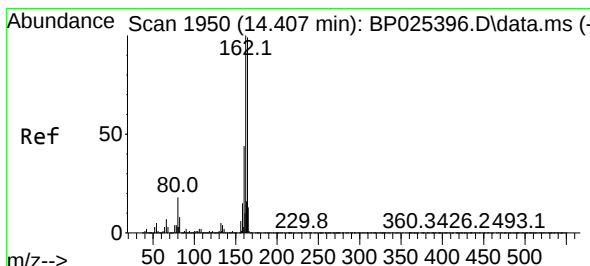
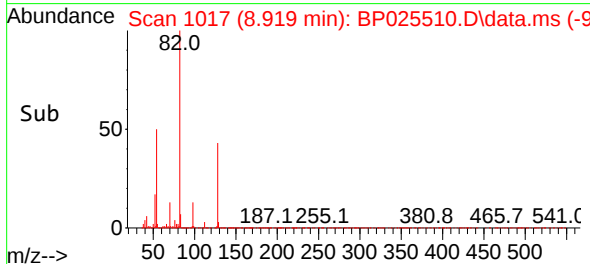
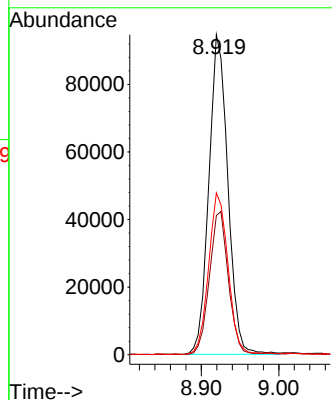
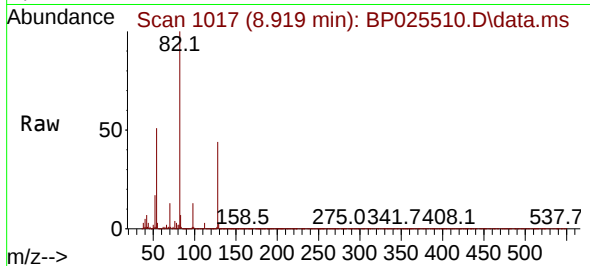




#23
Nitrobenzene-d5
Concen: 12.766 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

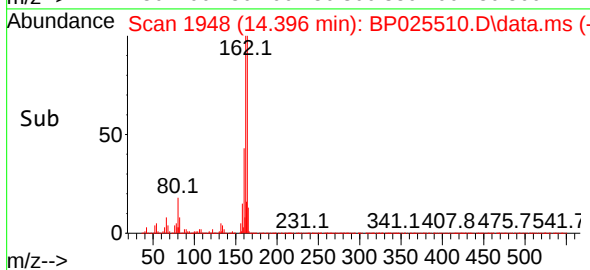
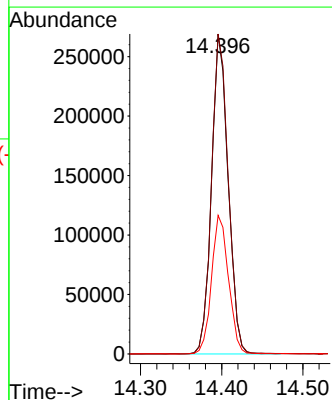
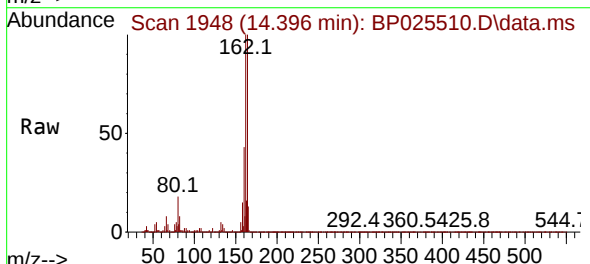
Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 82 Resp: 161216
Ion Ratio Lower Upper
82 100
128 43.5 37.7 56.5
54 50.6 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion: 164 Resp: 381411
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.6
160 43.3 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 20.642 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

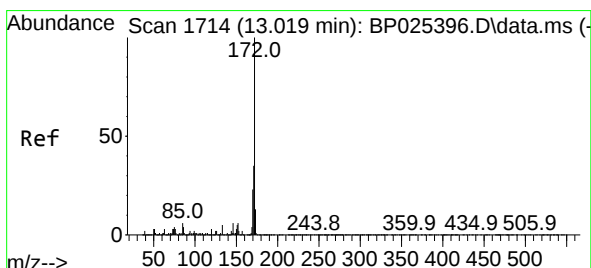
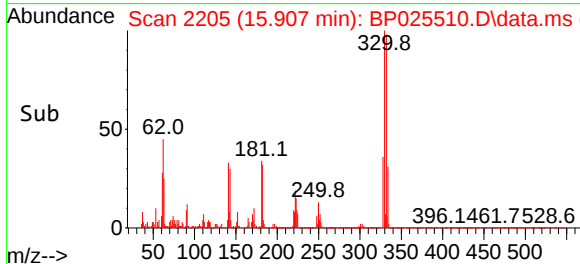
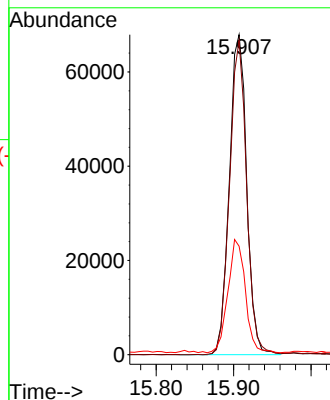
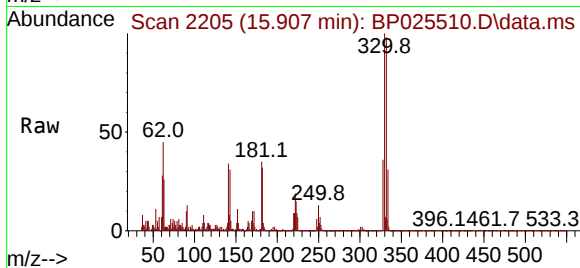
Tgt Ion:330 Resp: 105972

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 35.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 13.731 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

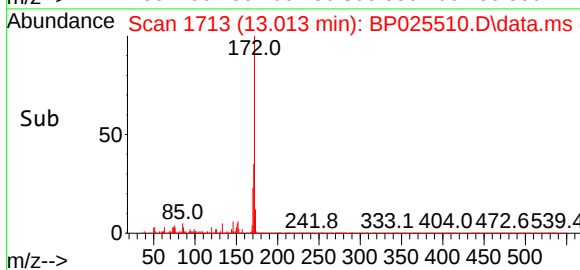
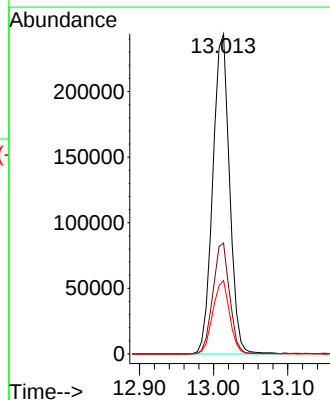
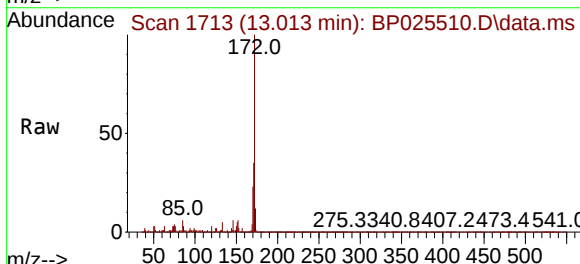
Tgt Ion:172 Resp: 383199

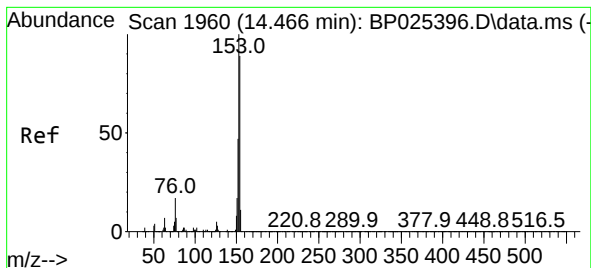
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.0 18.6 28.0





#52

Acenaphthene

Concen: 3.543 ng

RT: 14.460 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

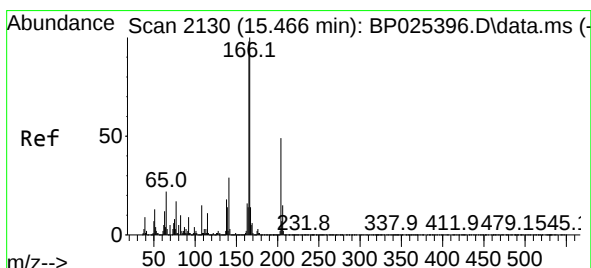
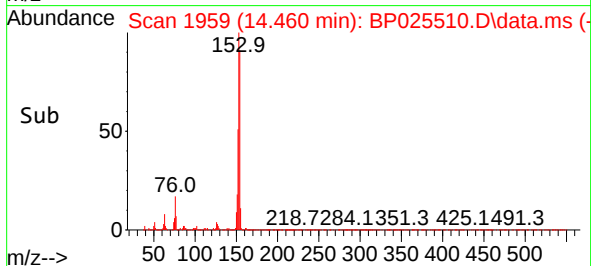
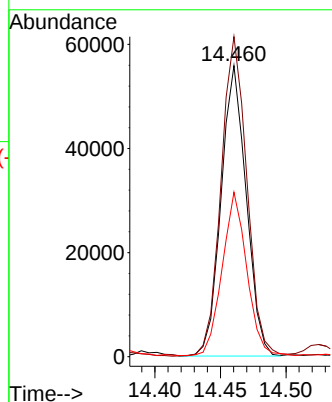
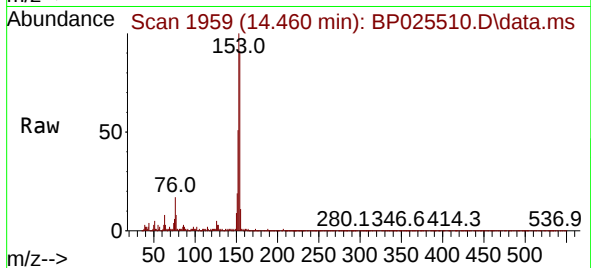
Tgt Ion:154 Resp: 74212

Ion Ratio Lower Upper

154 100

153 109.9 90.2 135.2

152 56.5 42.1 63.1



#58

Fluorene

Concen: 2.870 ng

RT: 15.460 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

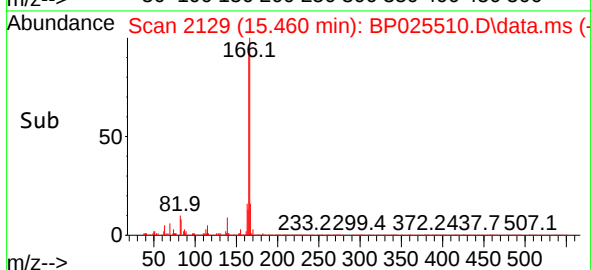
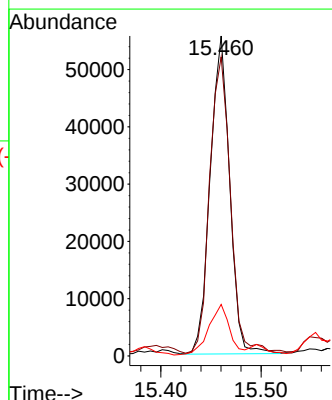
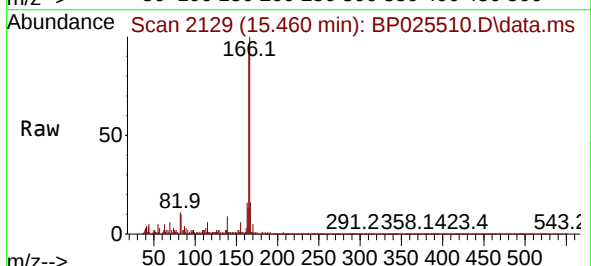
Tgt Ion:166 Resp: 74987

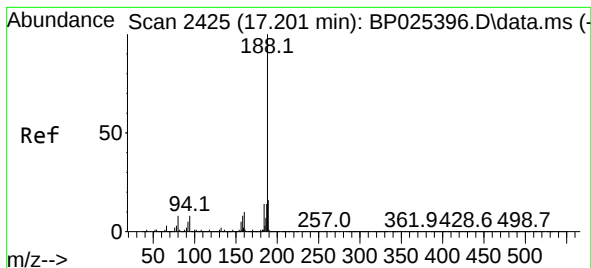
Ion Ratio Lower Upper

166 100

165 93.5 78.8 118.2

167 16.1 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

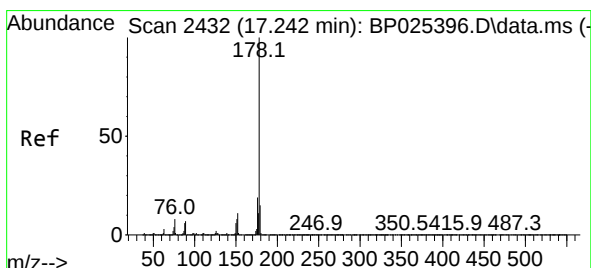
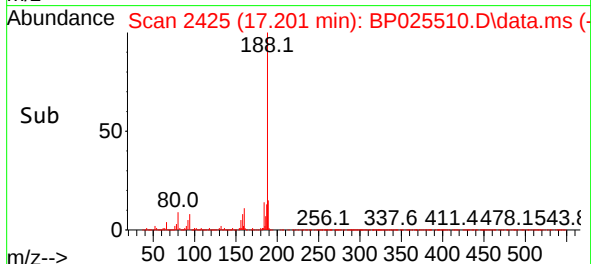
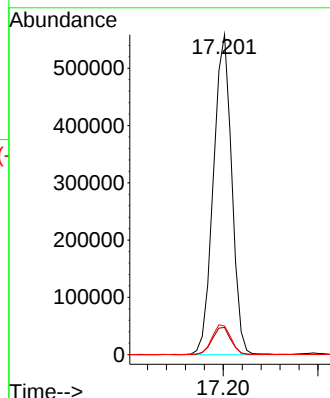
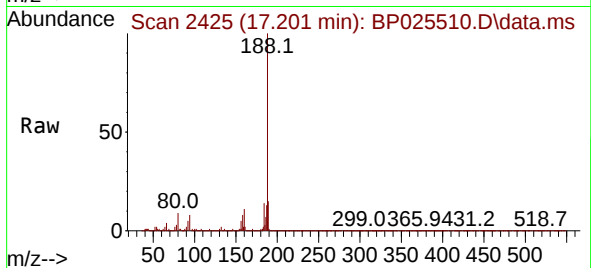
Tgt Ion:188 Resp: 752375

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 8.9 6.7 10.1



#71

Phenanthrene

Concen: 30.810 ng

RT: 17.237 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

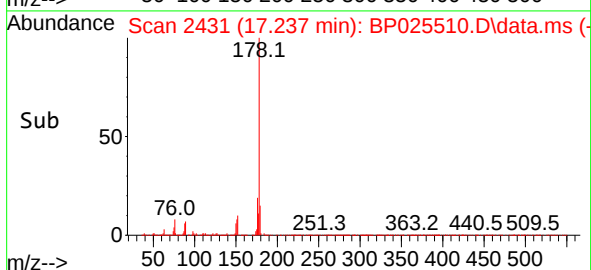
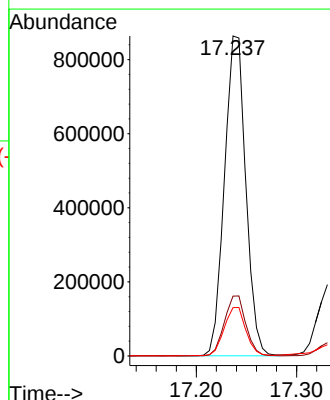
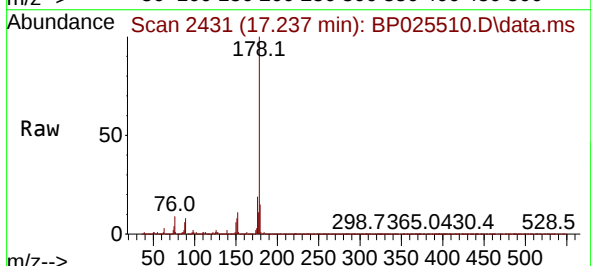
Tgt Ion:178 Resp: 1273376

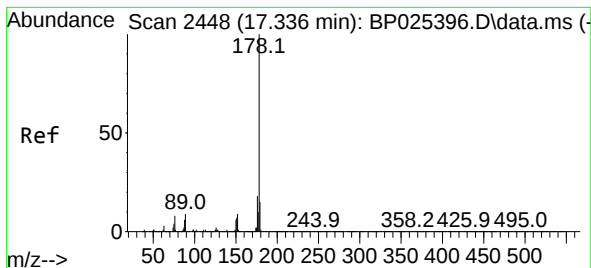
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.1 12.2 18.4





#72

Anthracene

Concen: 7.224 ng

RT: 17.331 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

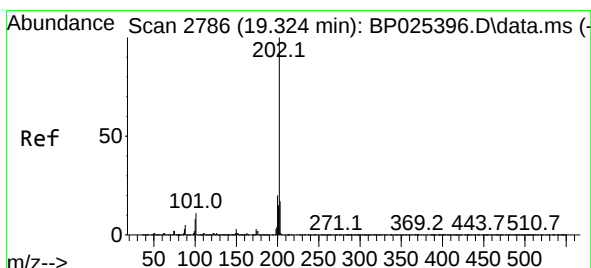
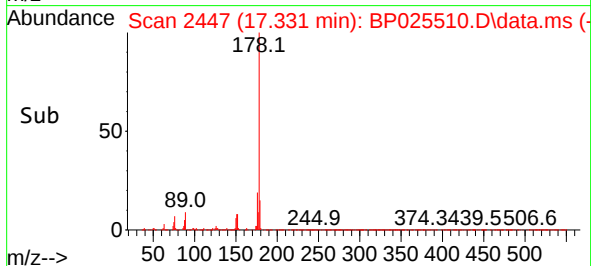
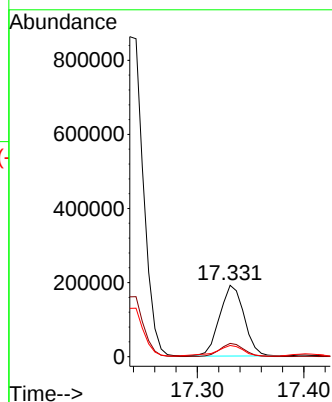
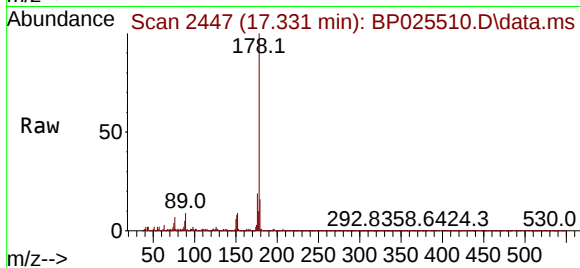
Tgt Ion:178 Resp: 304881

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.6 12.2 18.2



#75

Fluoranthene

Concen: 31.975 ng

RT: 19.331 min Scan# 2787

Delta R.T. 0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

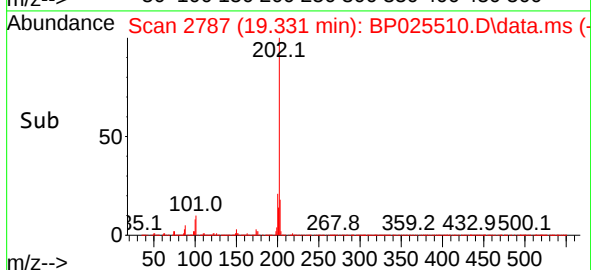
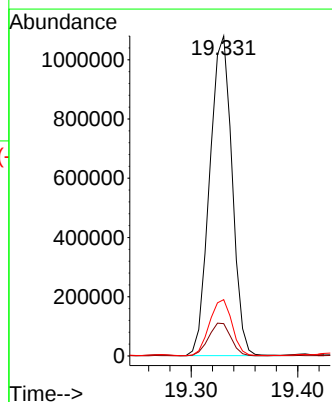
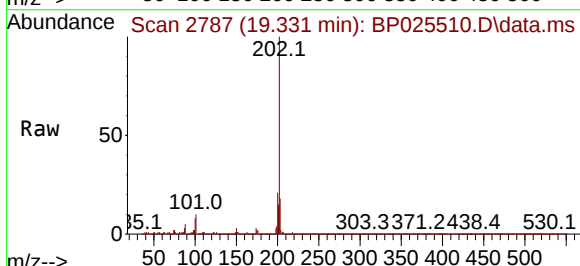
Tgt Ion:202 Resp: 1576368

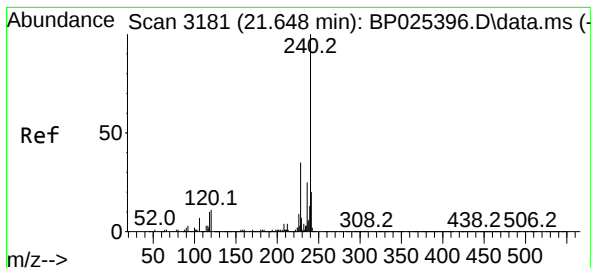
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

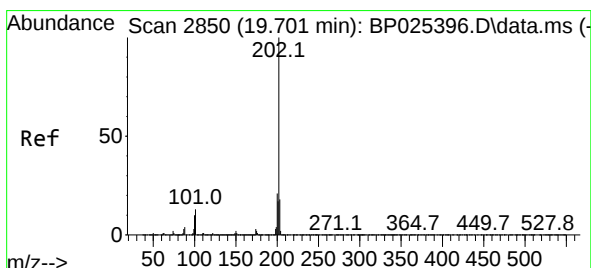
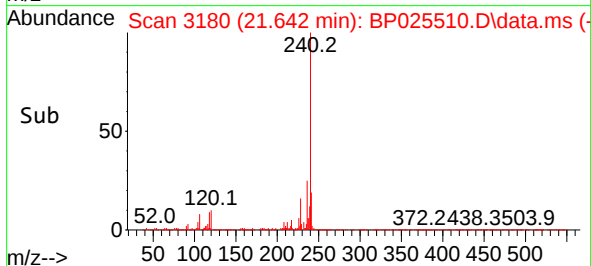
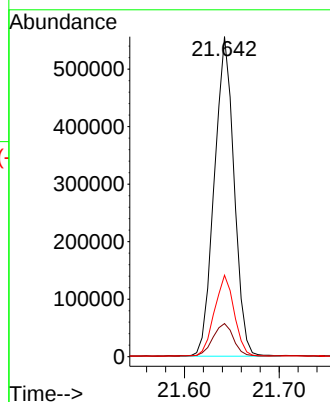
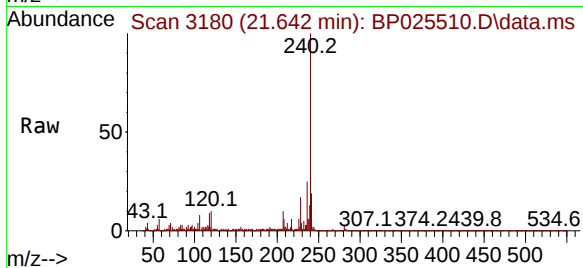
Tgt Ion:240 Resp: 804684

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.4 19.8 29.8



#78

Pyrene

Concen: 28.019 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

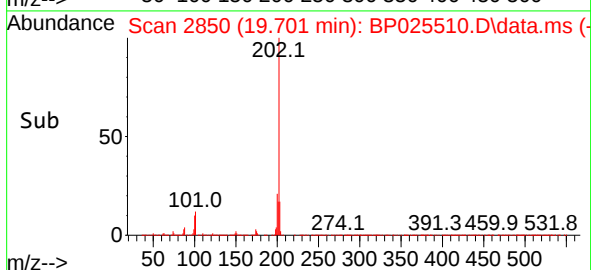
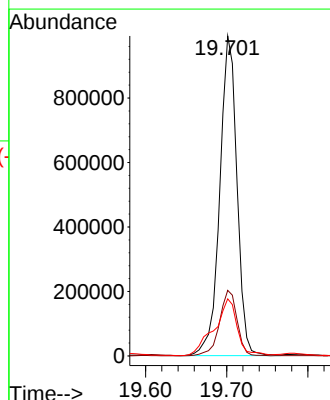
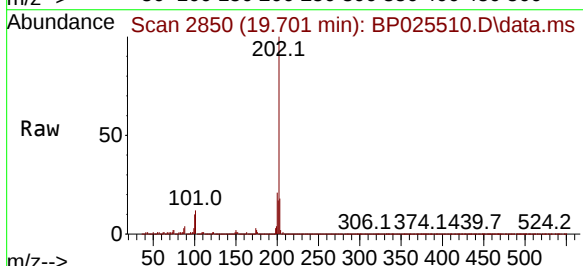
Tgt Ion:202 Resp: 1465444

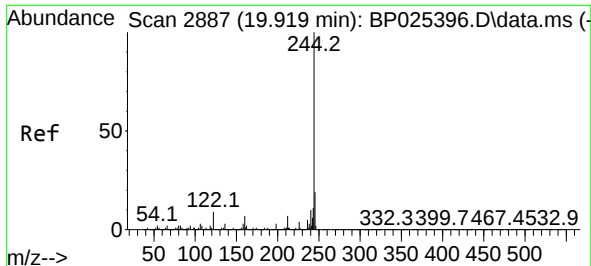
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

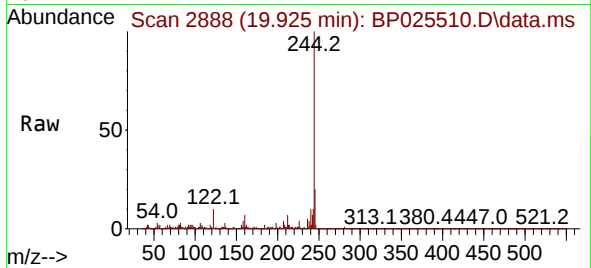
203 17.9 14.2 21.2



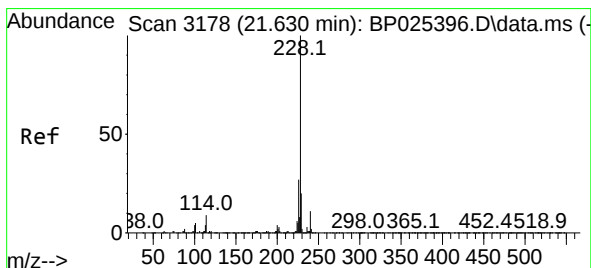
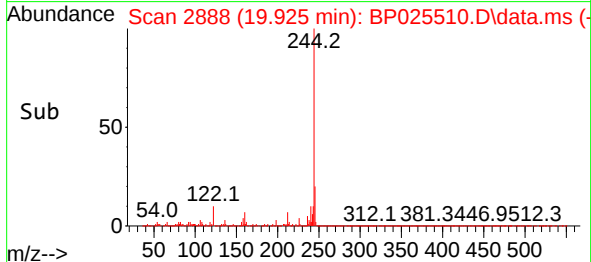
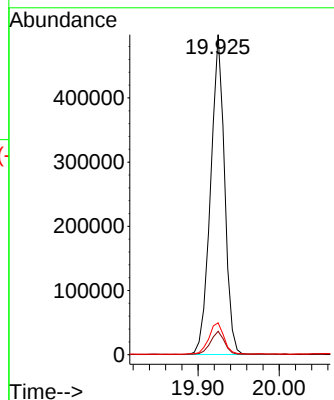


#79
 Terphenyl-d14
 Concen: 13.548 ng
 RT: 19.925 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025510.D
 Acq: 20 Aug 2025 16:15

Instrument :
 BNA_P
 ClientSampleId :

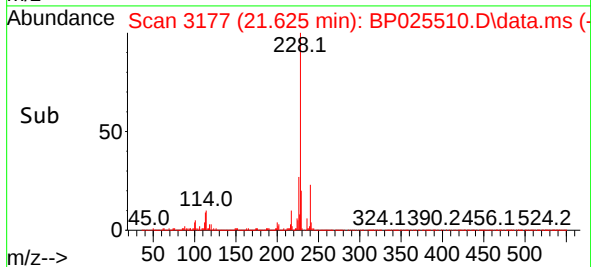
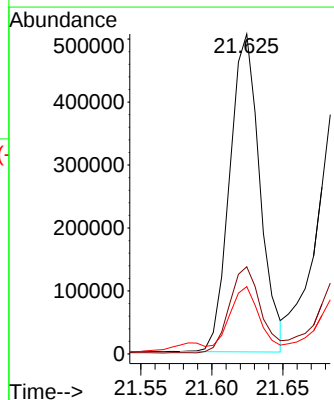
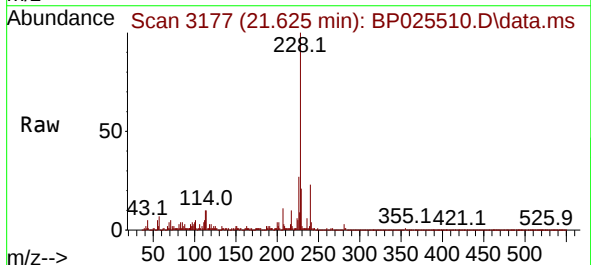


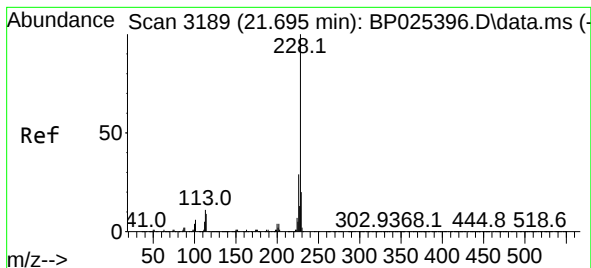
Tgt Ion:244 Resp: 595873
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 10.0 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 14.072 ng
 RT: 21.625 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: BP025510.D
 Acq: 20 Aug 2025 16:15

Tgt Ion:228 Resp: 746771
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.7 32.5
 229 21.1 15.6 23.4





#83

Chrysene

Concen: 13.362 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :

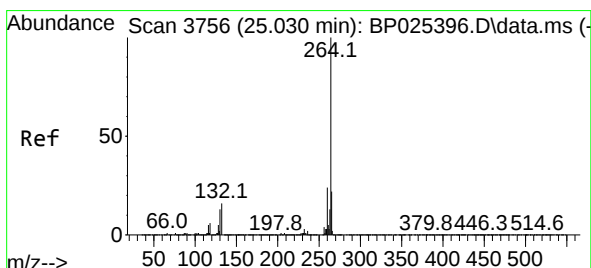
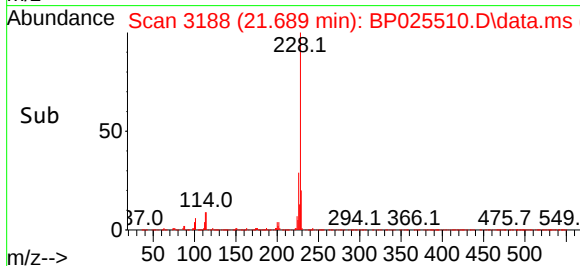
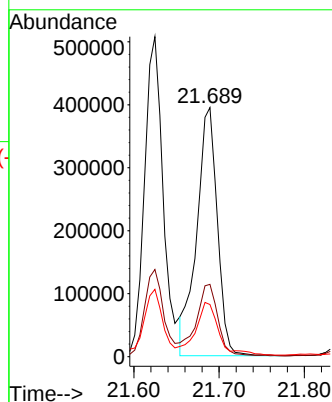
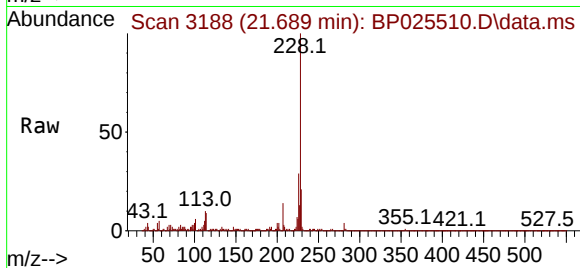
Tgt Ion:228 Resp: 664087

Ion Ratio Lower Upper

228 100

226 29.1 23.2 34.8

229 21.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.013 min Scan# 3753

Delta R.T. -0.017 min

Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

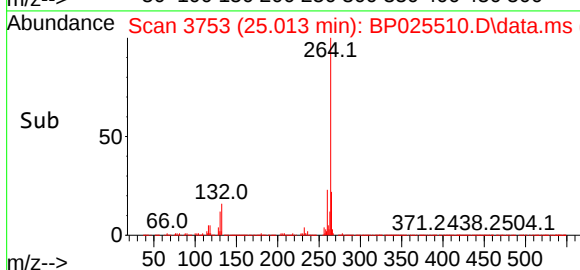
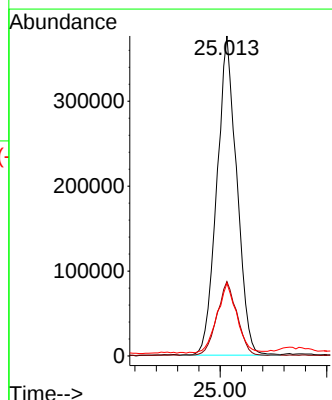
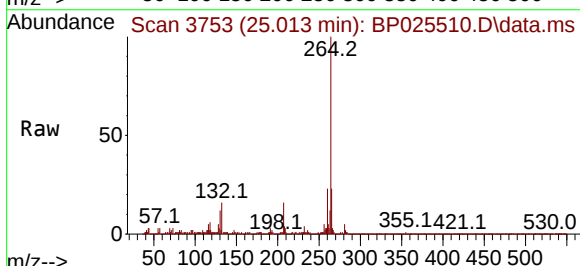
Tgt Ion:264 Resp: 975499

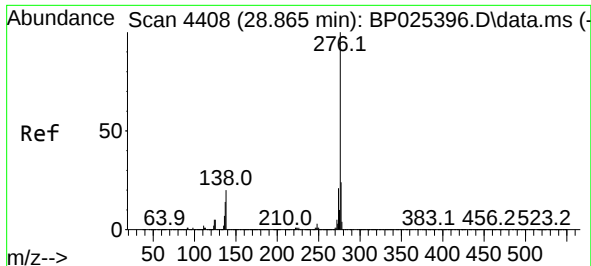
Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 22.7 17.4 26.0

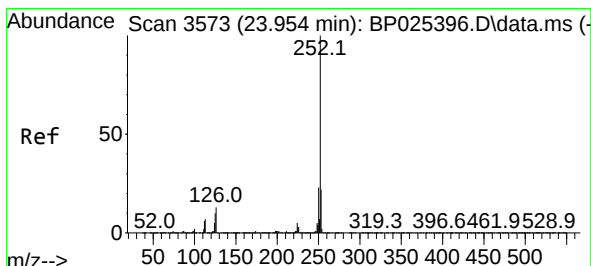
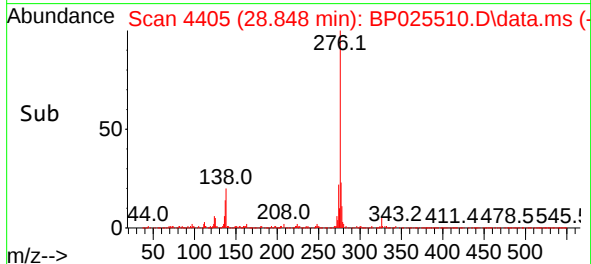
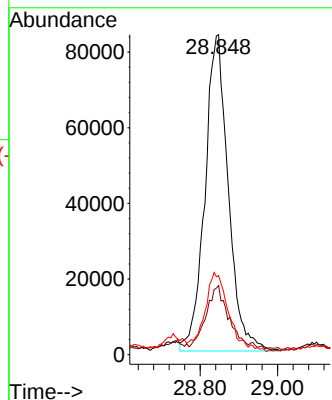
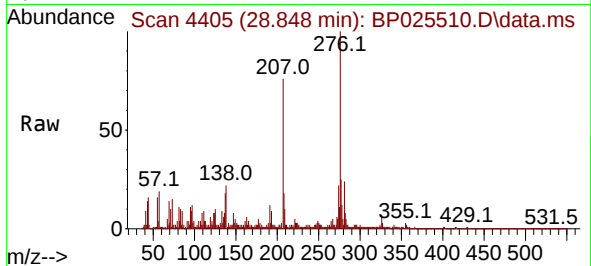




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.896 ng
 RT: 28.848 min Scan# 4408
 Delta R.T. -0.017 min
 Lab File: BP025510.D
 Acq: 20 Aug 2025 16:15

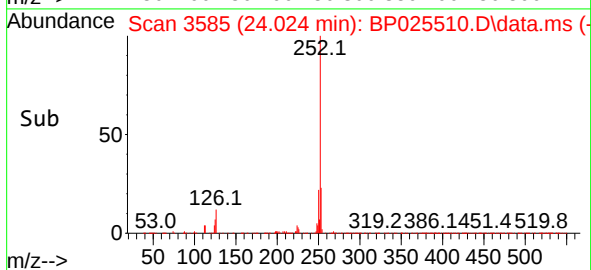
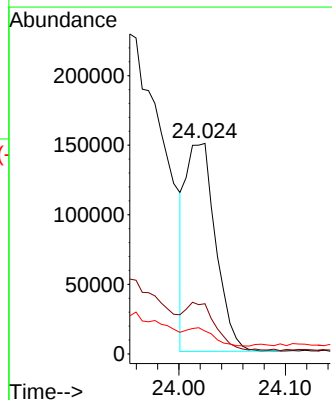
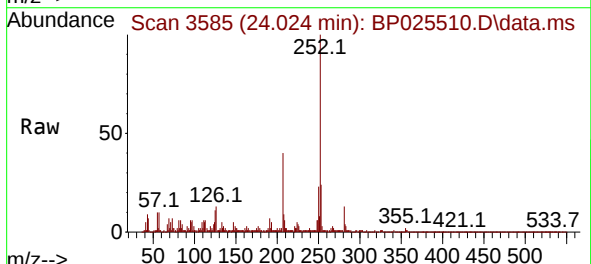
Instrument :
 BNA_P
 ClientSampleId :

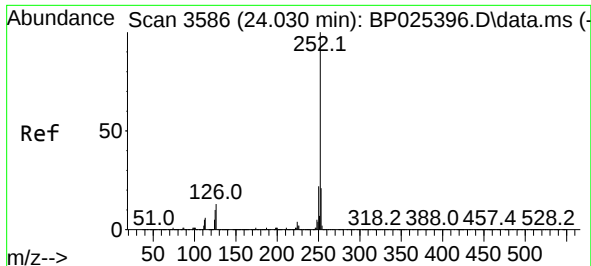
Tgt Ion:276 Resp: 350268
 Ion Ratio Lower Upper
 276 100
 138 17.9 12.9 19.3
 277 25.7 17.0 25.6#



#88
 Benzo(b)fluoranthene
 Concen: 5.037 ng
 RT: 24.024 min Scan# 3585
 Delta R.T. 0.071 min
 Lab File: BP025510.D
 Acq: 20 Aug 2025 16:15

Tgt Ion:252 Resp: 289756
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.7 26.5
 125 10.9 7.9 11.9

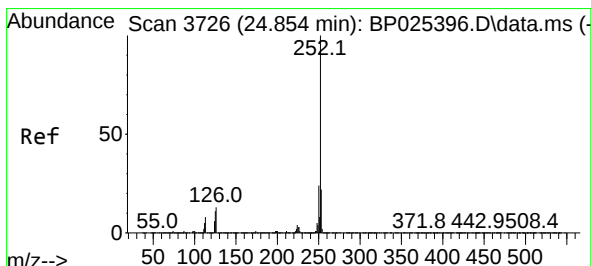
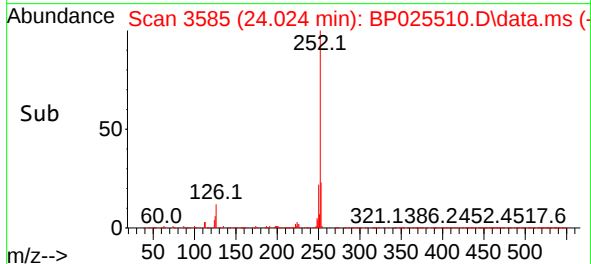
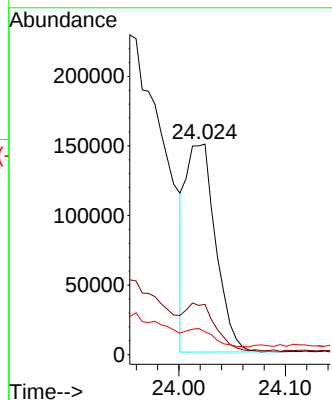
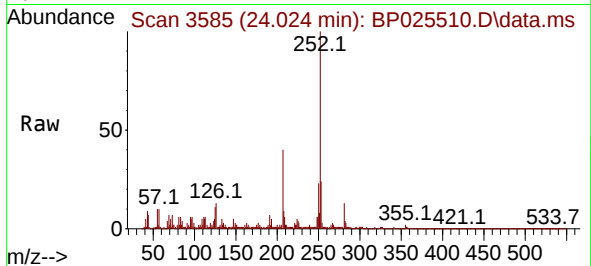




#89
Benzo(k)fluoranthene
Concen: 5.034 ng
RT: 24.024 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

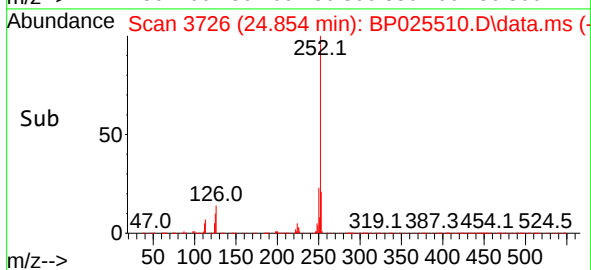
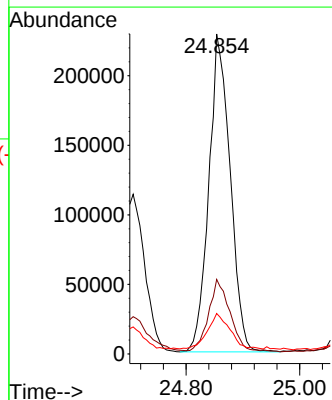
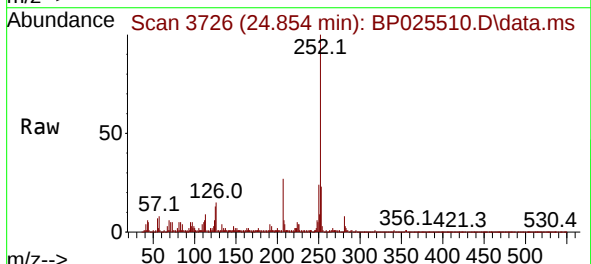
Instrument :
BNA_P
ClientSampleId :

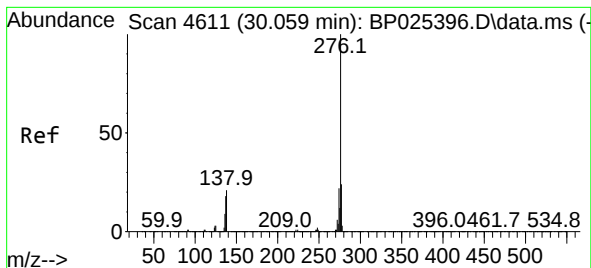
Tgt Ion:252 Resp: 289759
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 10.9 7.8 11.6



#90
Benzo(a)pyrene
Concen: 10.623 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025510.D
Acq: 20 Aug 2025 16:15

Tgt Ion:252 Resp: 594846
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.6 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 5.104 ng

RT: 30.006 min Scan# 4

Delta R.T. -0.053 min

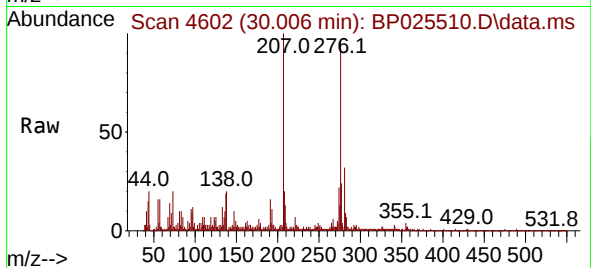
Lab File: BP025510.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 293324

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.0

138 20.6 16.7 25.1

