

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025461.D
 Acq On : 18 Aug 2025 14:50
 Operator : CG/JU
 Sample : Q2877-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 18 15:31:35 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)

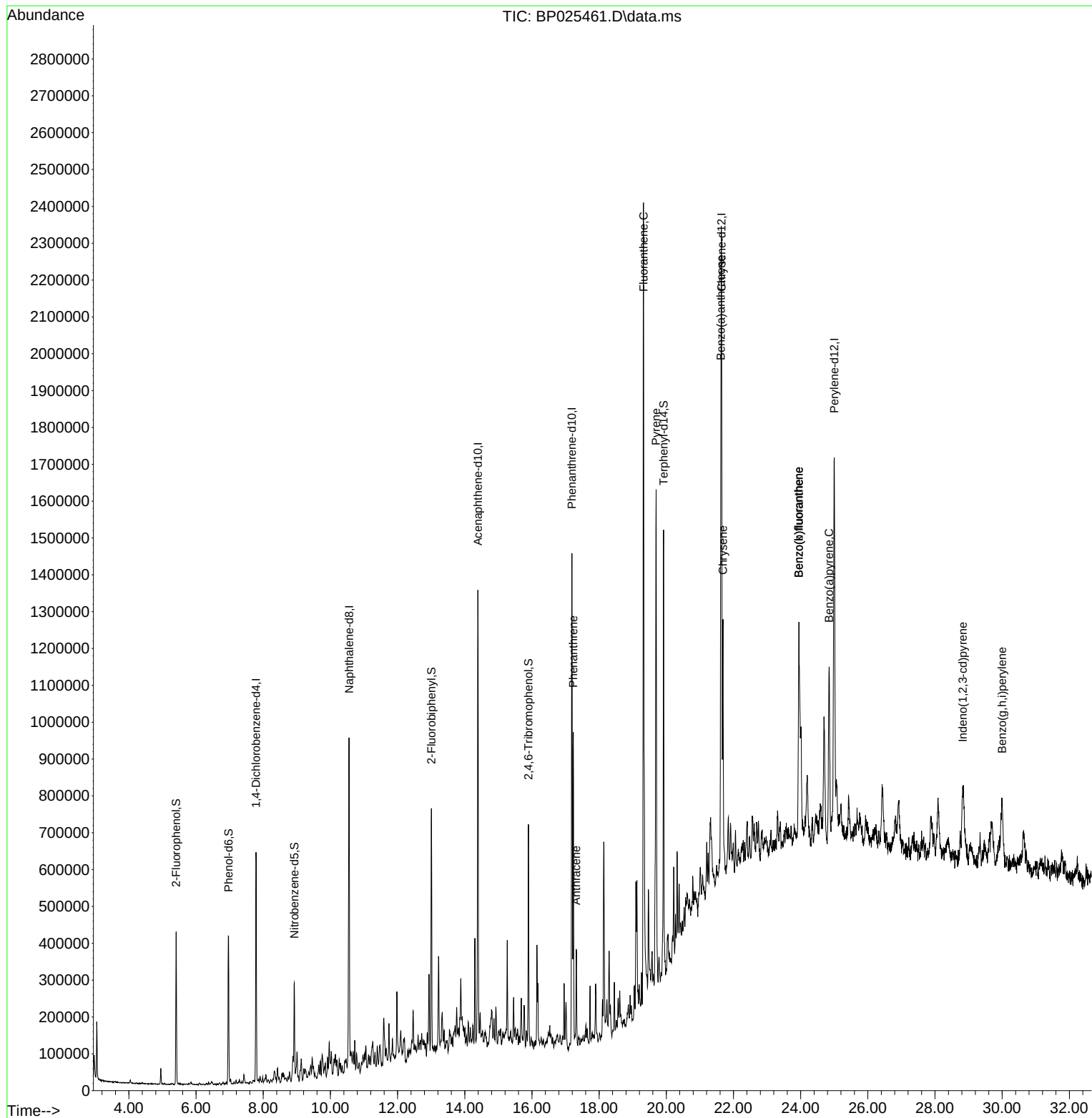
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	170053	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	686702	20.000	ng	0.00
39) Acenaphthene-d10	14.390	164	430861	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	839067	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	883562	20.000	ng	0.00
86) Perylene-d12	25.001	264	997813	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	177280	17.313	ng	0.00
7) Phenol-d6	6.966	99	235846	17.965	ng	0.00
23) Nitrobenzene-d5	8.925	82	147076	10.834	ng	-0.01
42) 2,4,6-Tribromophenol	15.895	330	98421	16.971	ng	-0.02
45) 2-Fluorobiphenyl	13.007	172	364639	11.566	ng	-0.01
79) Terphenyl-d14	19.919	244	578699	11.983	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.231	178	524263	11.374	ng	99
72) Anthracene	17.319	178	173848	3.693	ng	98
75) Fluoranthene	19.319	202	1155812	21.022	ng	99
78) Pyrene	19.695	202	956725	16.659	ng	99
81) Benzo(a)anthracene	21.624	228	545247	9.357	ng	99
83) Chrysene	21.689	228	471146	8.634	ng	98
87) Indeno(1,2,3-cd)pyrene	28.824	276	359562	4.914	ng	# 90
88) Benzo(b)fluoranthene	23.948	252	674861	11.470	ng	96
89) Benzo(k)fluoranthene	23.948	252	675258	11.469	ng	95
90) Benzo(a)pyrene	24.848	252	495799	8.657	ng	96
92) Benzo(g,h,i)perylene	30.000	276	335614	5.709	ng	96

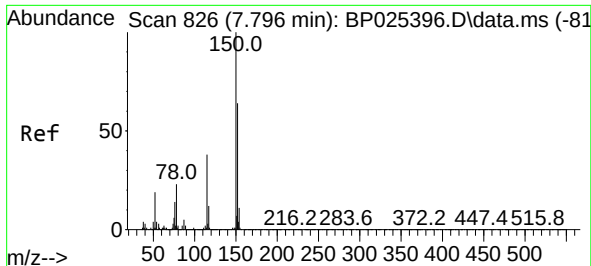
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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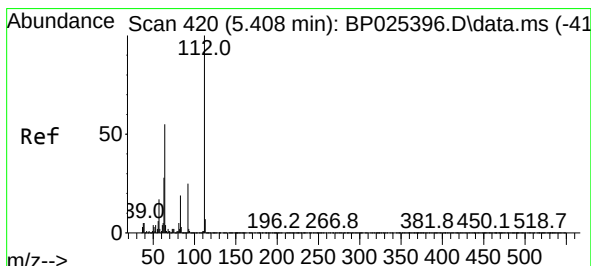
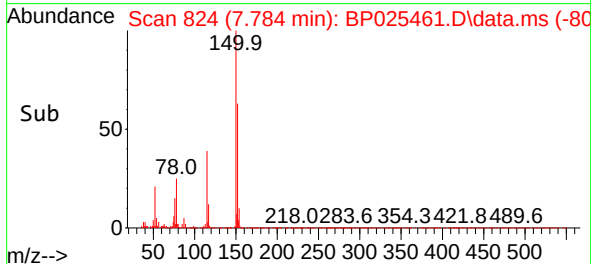
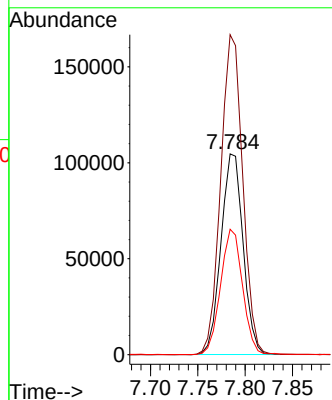
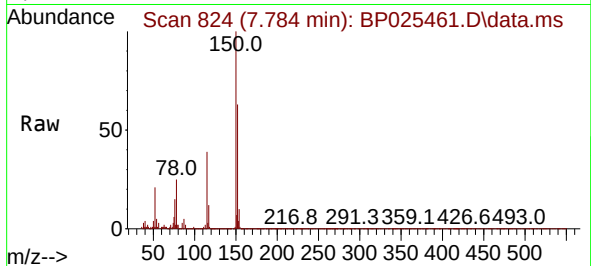




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

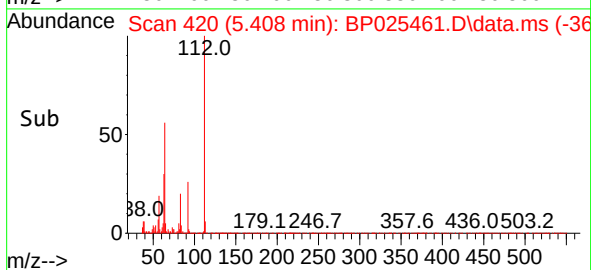
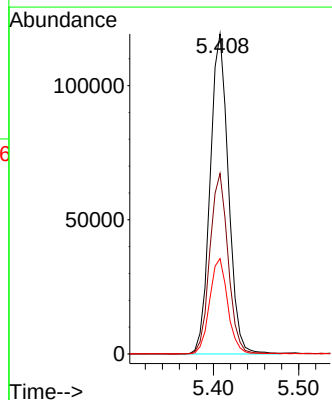
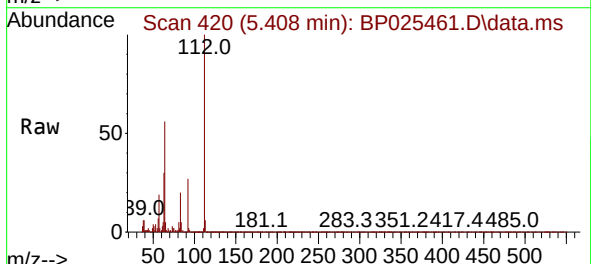
Instrument :
BNA_P
ClientSampleId :

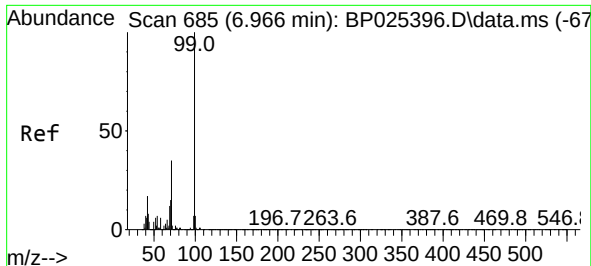
Tgt Ion:152 Resp: 170053
Ion Ratio Lower Upper
152 100
150 159.3 125.9 188.9
115 62.5 48.5 72.7



#5
2-Fluorophenol
Concen: 17.313 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

Tgt Ion:112 Resp: 177280
Ion Ratio Lower Upper
112 100
64 56.4 43.8 65.8
63 29.8 22.7 34.1

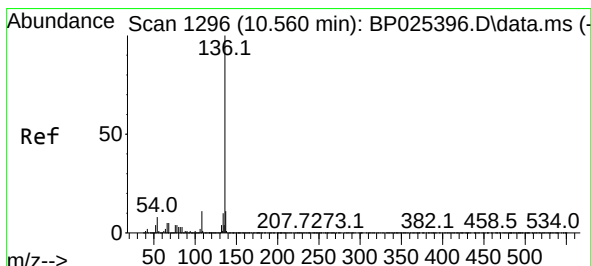
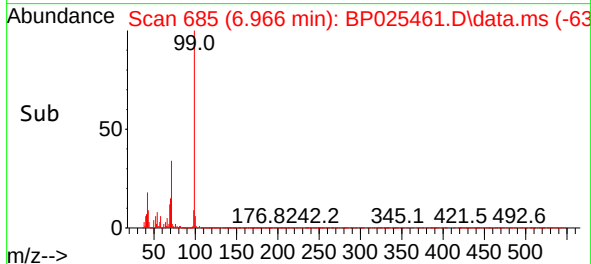
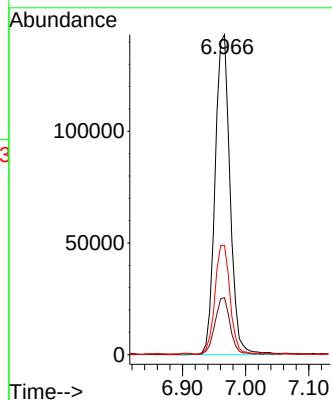
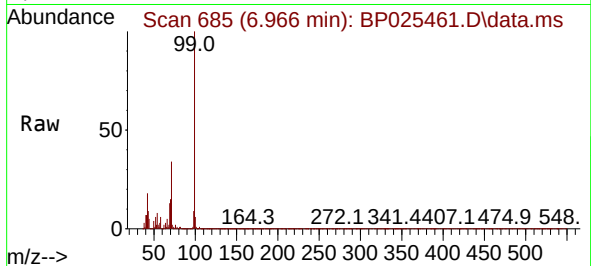




#7
Phenol-d6
Concen: 17.965 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

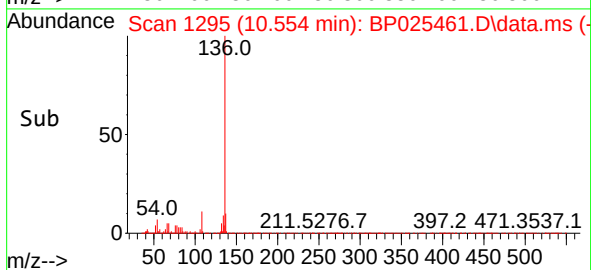
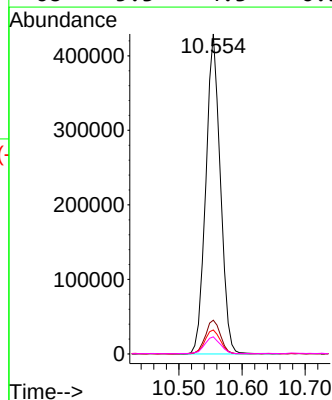
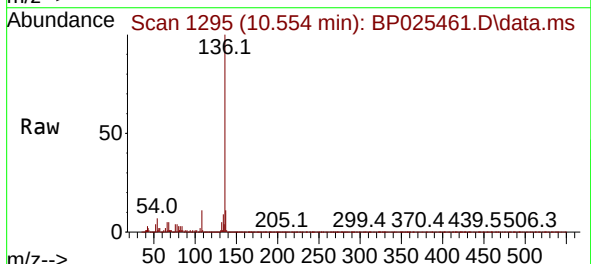
Instrument :
BNA_P
ClientSampleId :

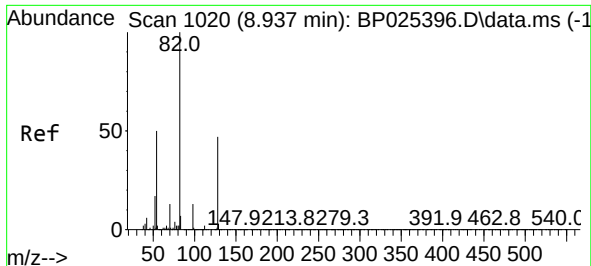
Tgt Ion: 99 Resp: 235846
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 34.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025461.D
Acq: 18 Aug 2025 14:50

Tgt Ion: 136 Resp: 686702
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.5 6.0 9.0
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 10.834 ng

RT: 8.925 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

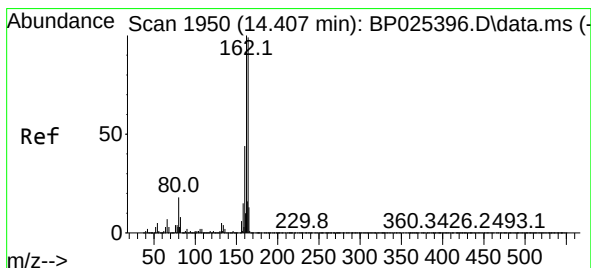
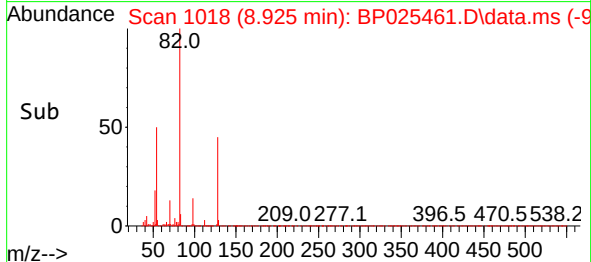
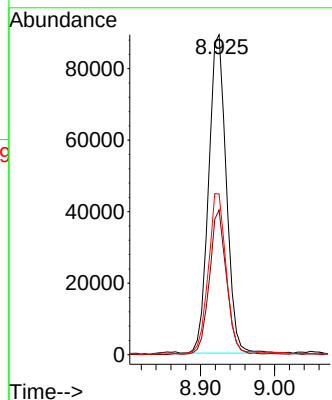
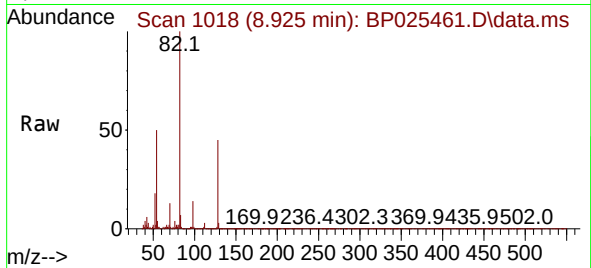
Tgt Ion: 82 Resp: 147076

Ion Ratio Lower Upper

82 100

128 45.2 37.7 56.5

54 50.2 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.390 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

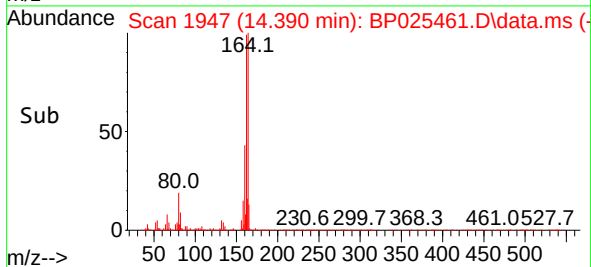
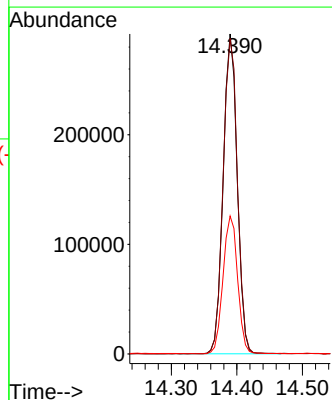
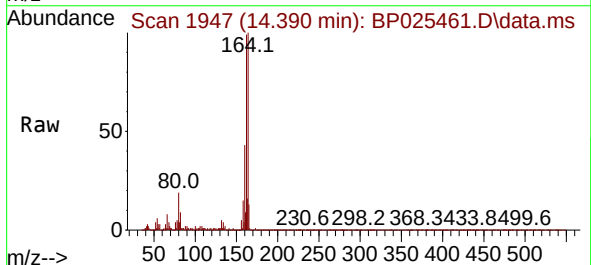
Tgt Ion: 164 Resp: 430861

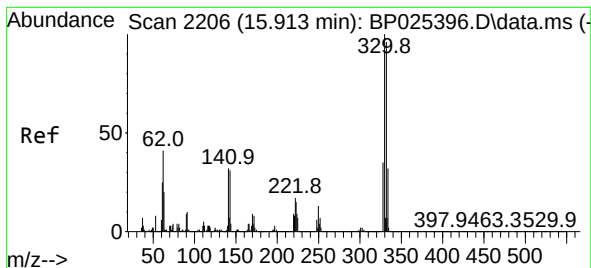
Ion Ratio Lower Upper

164 100

162 98.6 81.0 121.6

160 43.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 16.971 ng

RT: 15.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

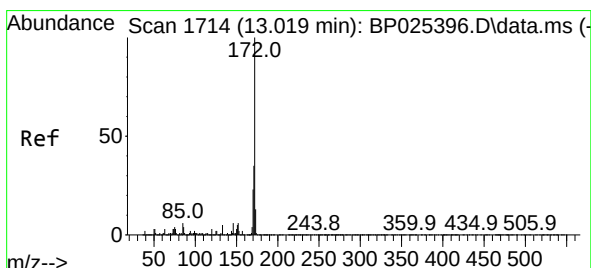
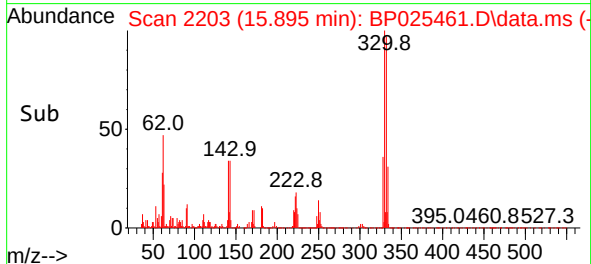
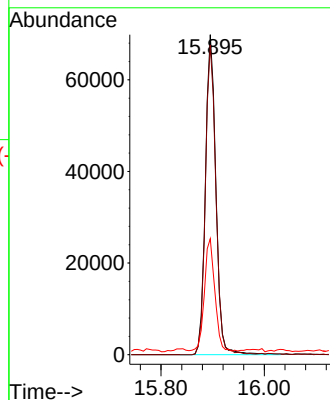
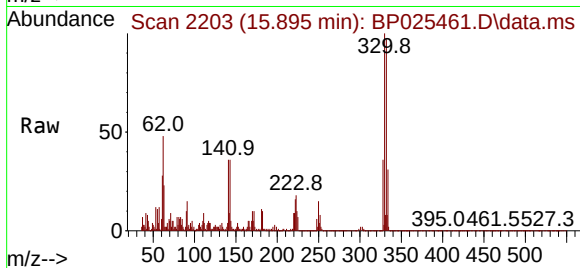
Tgt Ion:330 Resp: 98421

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 35.0 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 11.566 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

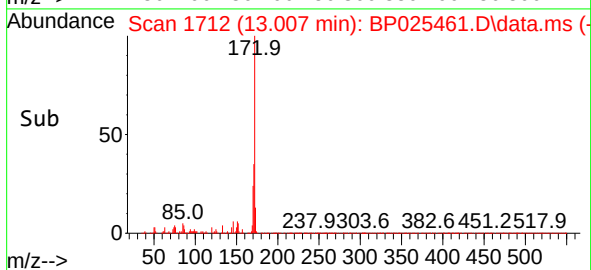
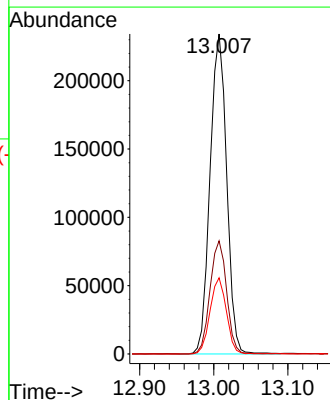
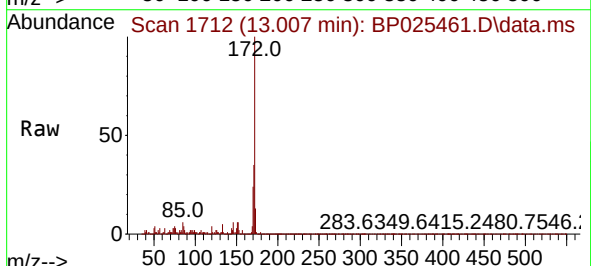
Tgt Ion:172 Resp: 364639

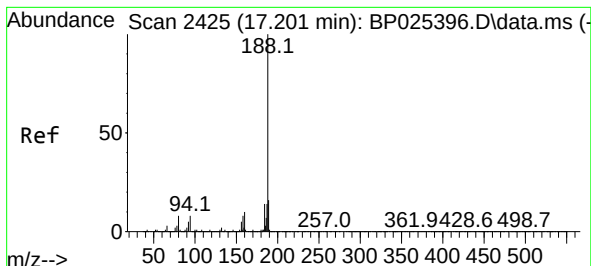
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.8 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

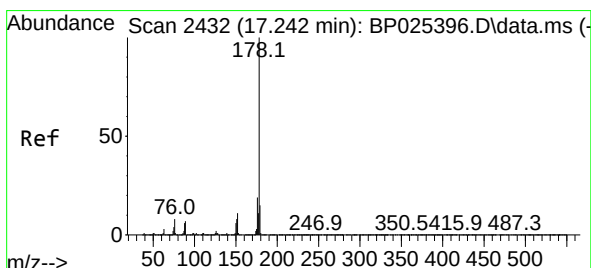
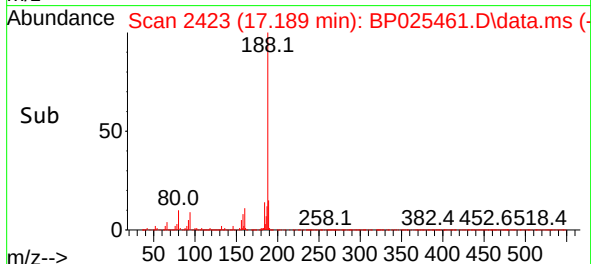
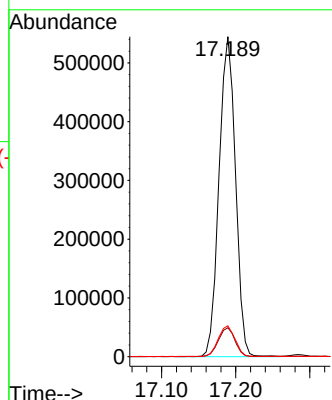
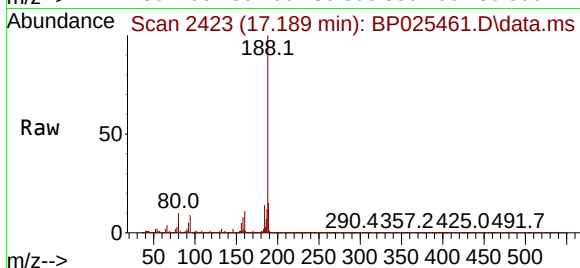
Tgt Ion:188 Resp: 839067

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.7 6.7 10.1



#71

Phenanthrene

Concen: 11.374 ng

RT: 17.231 min Scan# 2430

Delta R.T. -0.012 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

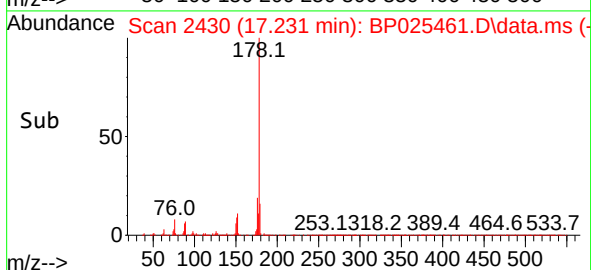
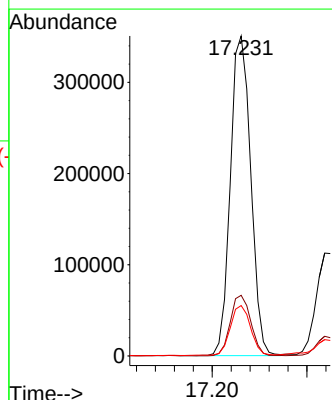
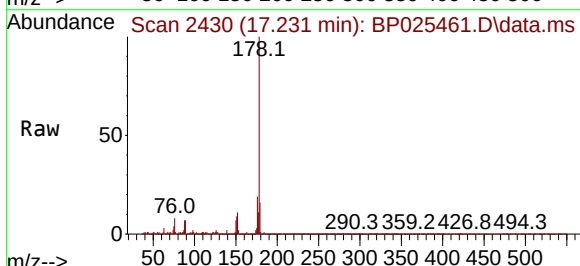
Tgt Ion:178 Resp: 524263

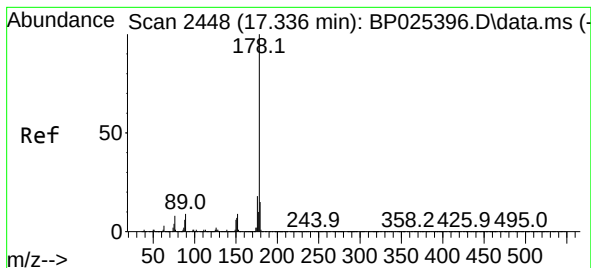
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.7 12.2 18.4





#72

Anthracene

Concen: 3.693 ng

RT: 17.319 min Scan# 2448

Delta R.T. -0.018 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

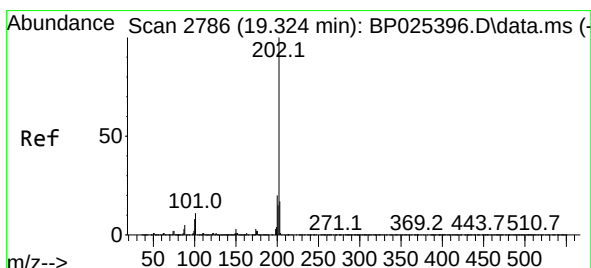
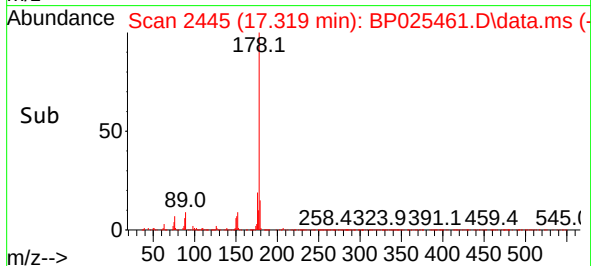
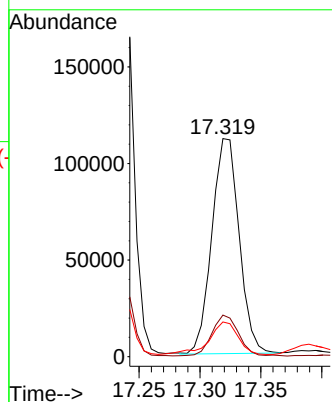
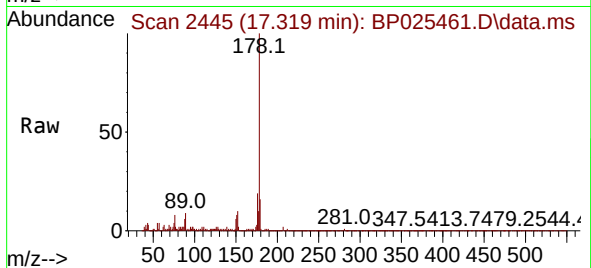
Tgt Ion:178 Resp: 173848

Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

179 15.9 12.2 18.2



#75

Fluoranthene

Concen: 21.022 ng

RT: 19.319 min Scan# 2785

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

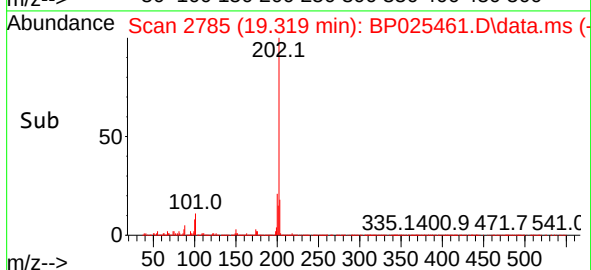
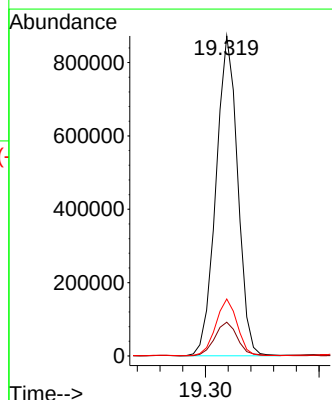
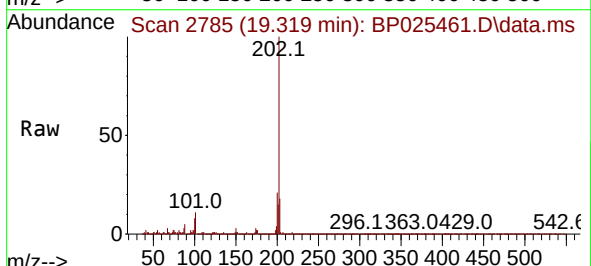
Tgt Ion:202 Resp: 1155812

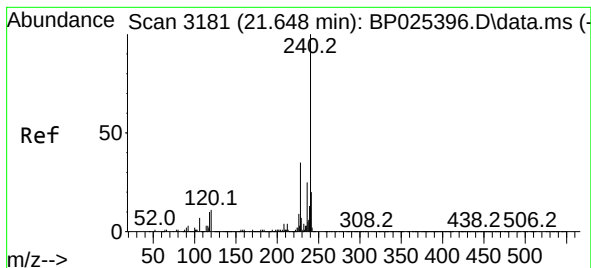
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

203 17.8 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: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

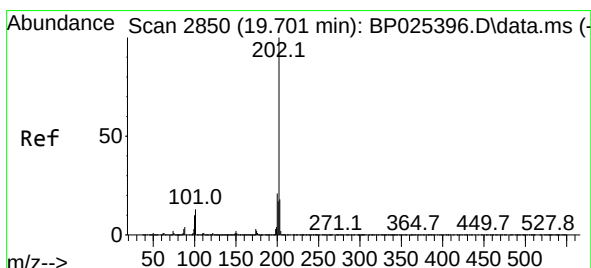
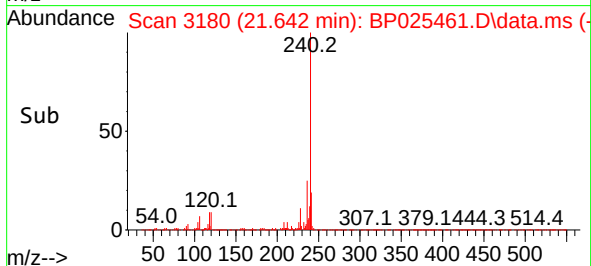
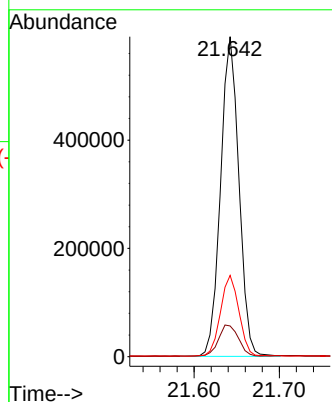
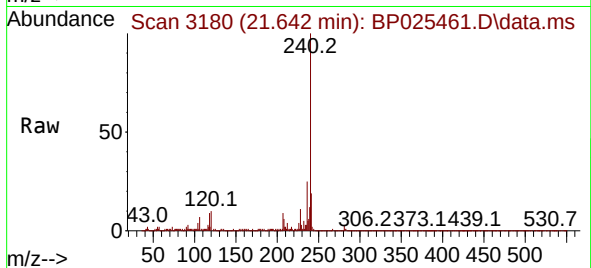
Tgt Ion:240 Resp: 883562

Ion Ratio Lower Upper

240 100

120 9.6 8.9 13.3

236 25.4 19.8 29.8



#78

Pyrene

Concen: 16.659 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

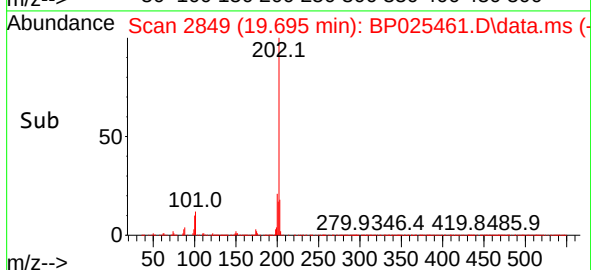
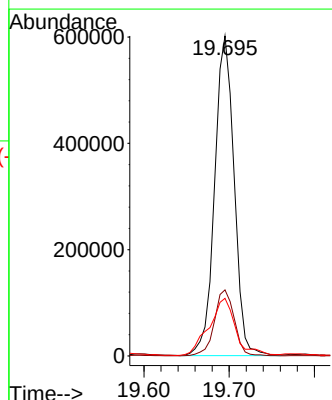
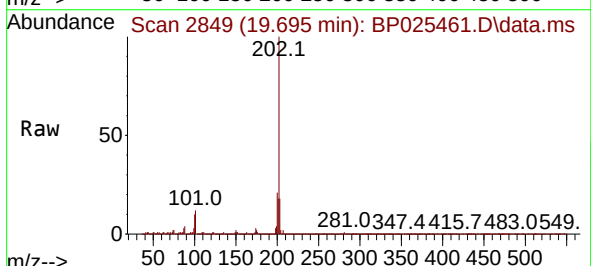
Tgt Ion:202 Resp: 956725

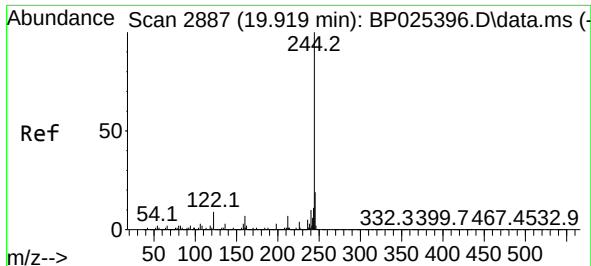
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.0 14.2 21.2

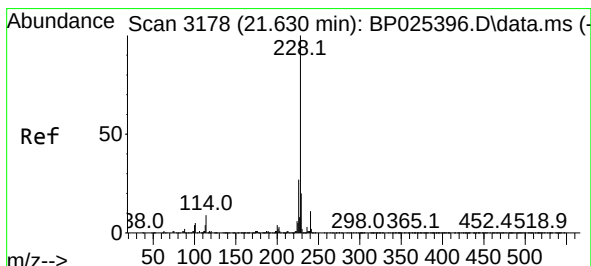
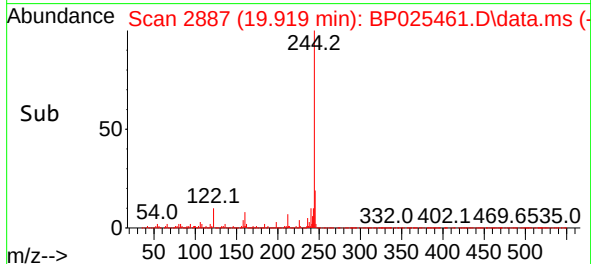
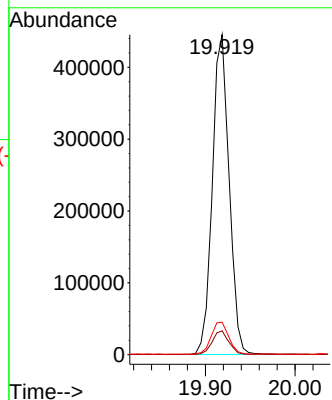
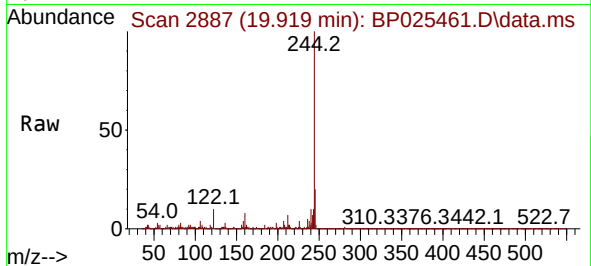




#79
 Terphenyl-d14
 Concen: 11.983 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025461.D
 Acq: 18 Aug 2025 14:50

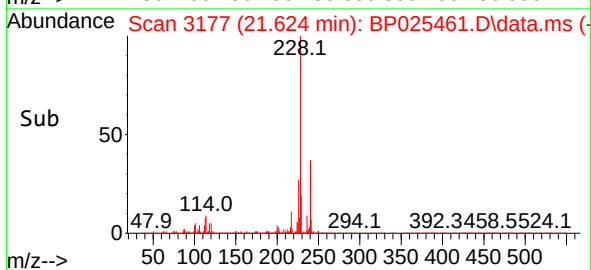
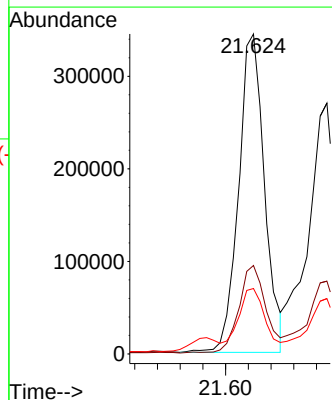
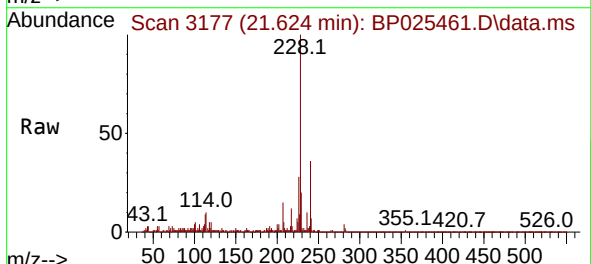
Instrument :
 BNA_P
 ClientSampleId :

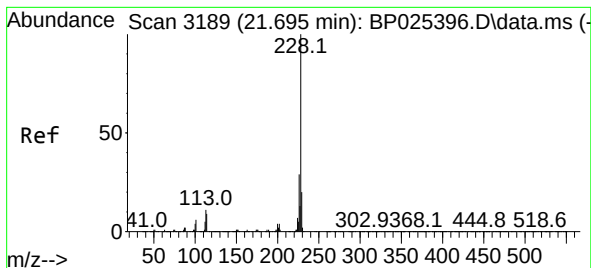
Tgt Ion:244 Resp: 578699
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 10.1 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 9.357 ng
 RT: 21.624 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: BP025461.D
 Acq: 18 Aug 2025 14:50

Tgt Ion:228 Resp: 545247
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.4 15.6 23.4





#83

Chrysene

Concen: 8.634 ng

RT: 21.689 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

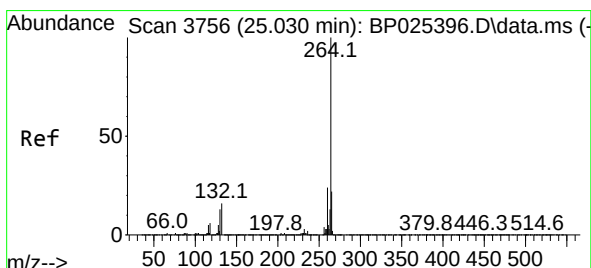
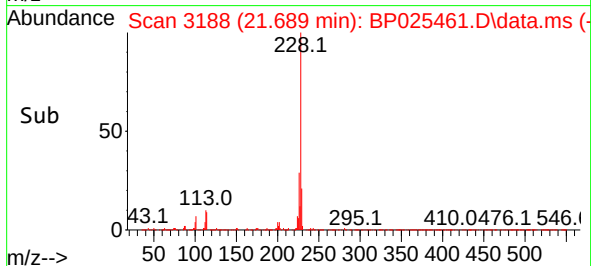
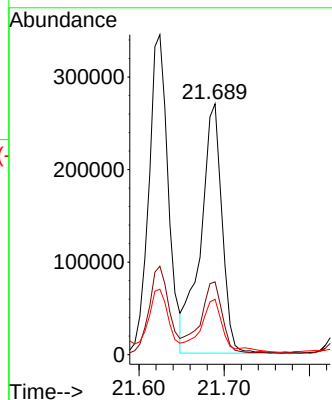
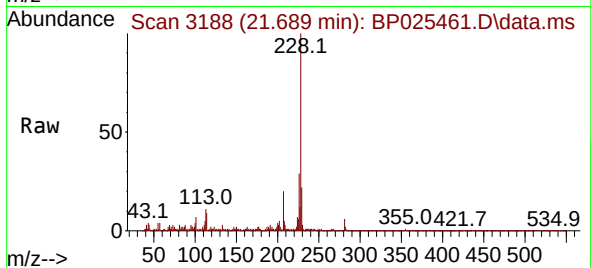
Tgt Ion:228 Resp: 471146

Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 22.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 3751

Delta R.T. -0.029 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

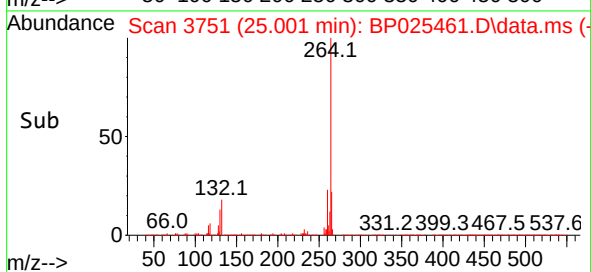
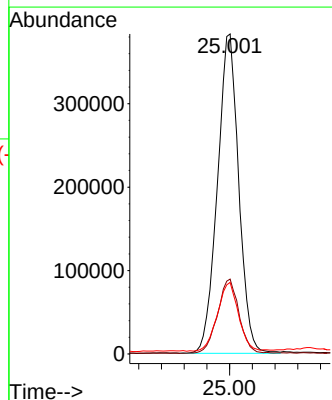
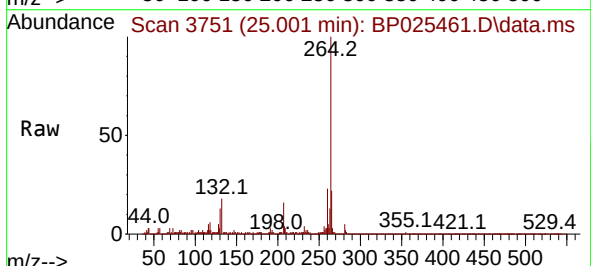
Tgt Ion:264 Resp: 997813

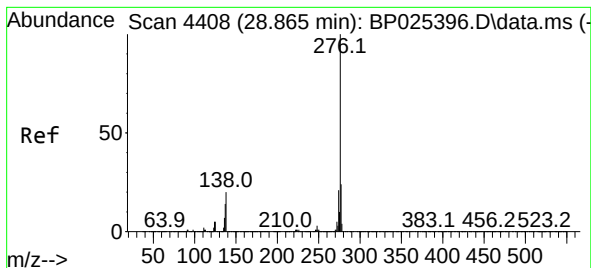
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.914 ng

RT: 28.824 min Scan# 4401

Delta R.T. -0.041 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

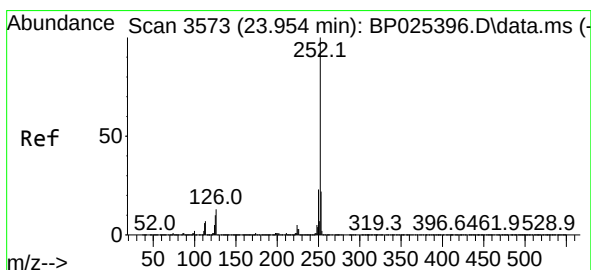
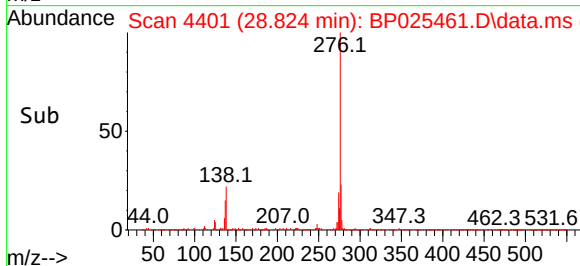
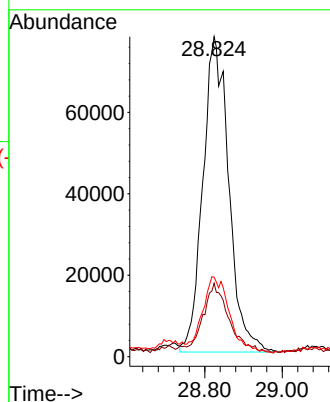
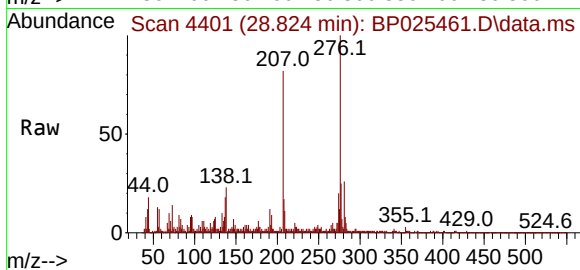
Tgt Ion:276 Resp: 359562

Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3#

277 25.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 11.470 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

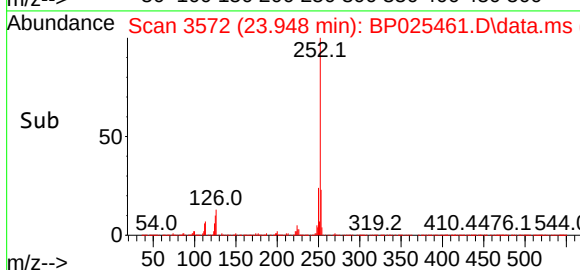
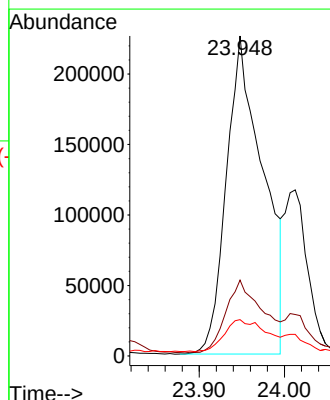
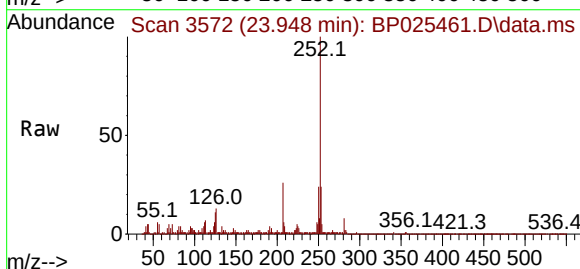
Tgt Ion:252 Resp: 674861

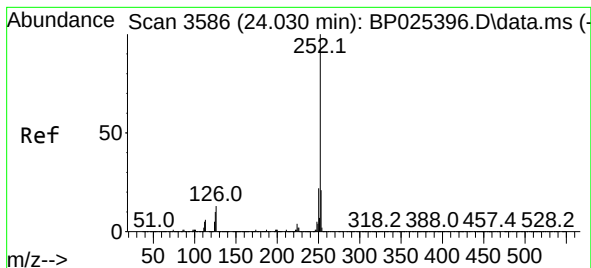
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 11.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 11.469 ng

RT: 23.948 min Scan# 31

Delta R.T. -0.082 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :

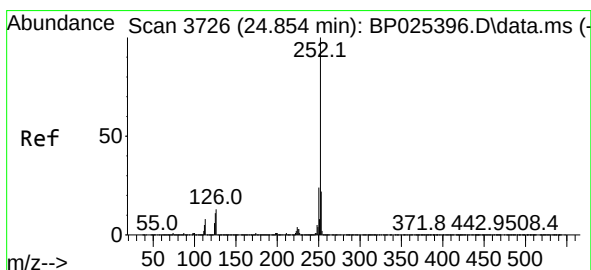
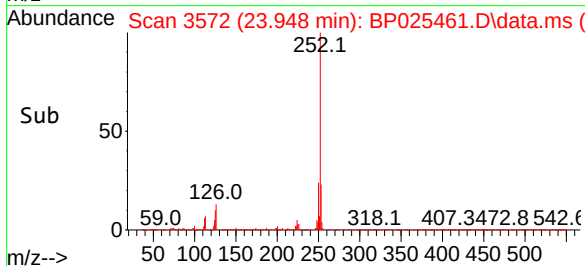
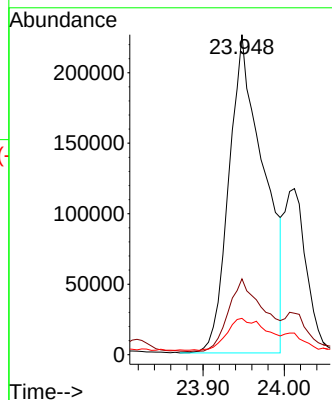
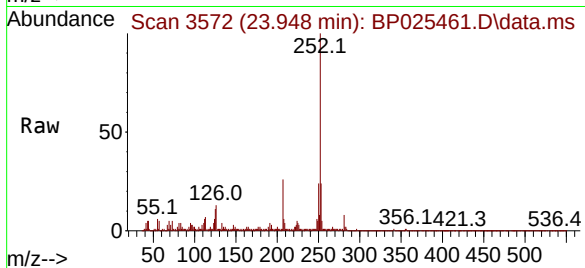
Tgt Ion:252 Resp: 675258

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 11.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 8.657 ng

RT: 24.848 min Scan# 3725

Delta R.T. -0.006 min

Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

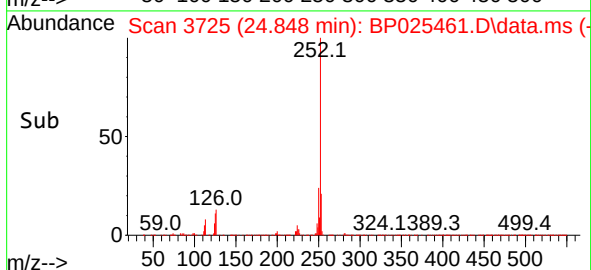
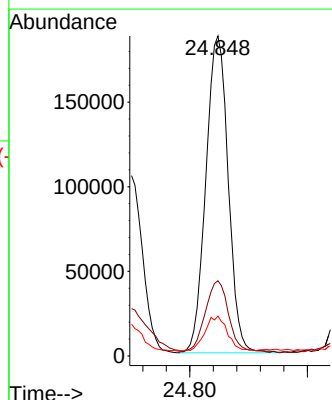
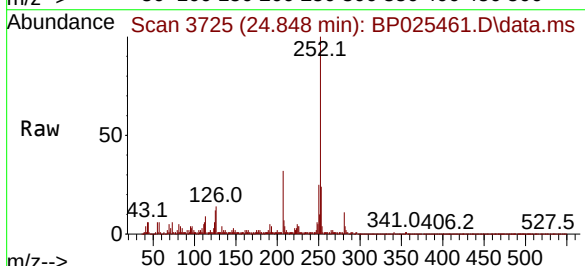
Tgt Ion:252 Resp: 495799

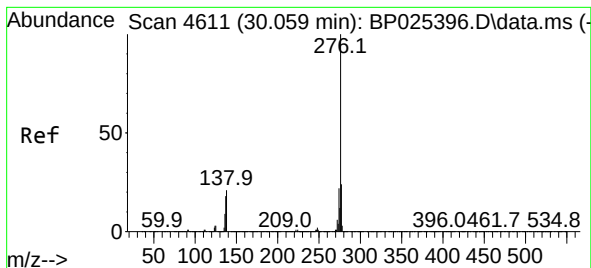
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 12.5 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 5.709 ng

RT: 30.000 min Scan# 4

Delta R.T. -0.059 min

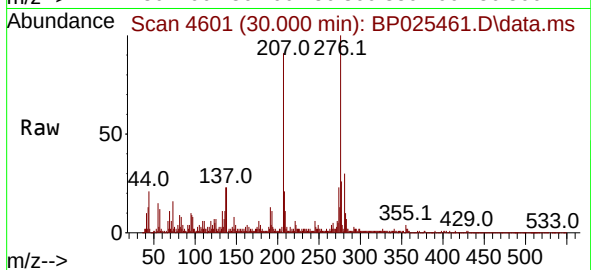
Lab File: BP025461.D

Acq: 18 Aug 2025 14:50

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 335614

Ion Ratio Lower Upper

276 100

277 25.6 19.4 29.0

138 23.2 16.7 25.1

