

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025467.D
 Acq On : 18 Aug 2025 18:58
 Operator : CG/JU
 Sample : Q2832-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 19 01:08:50 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)

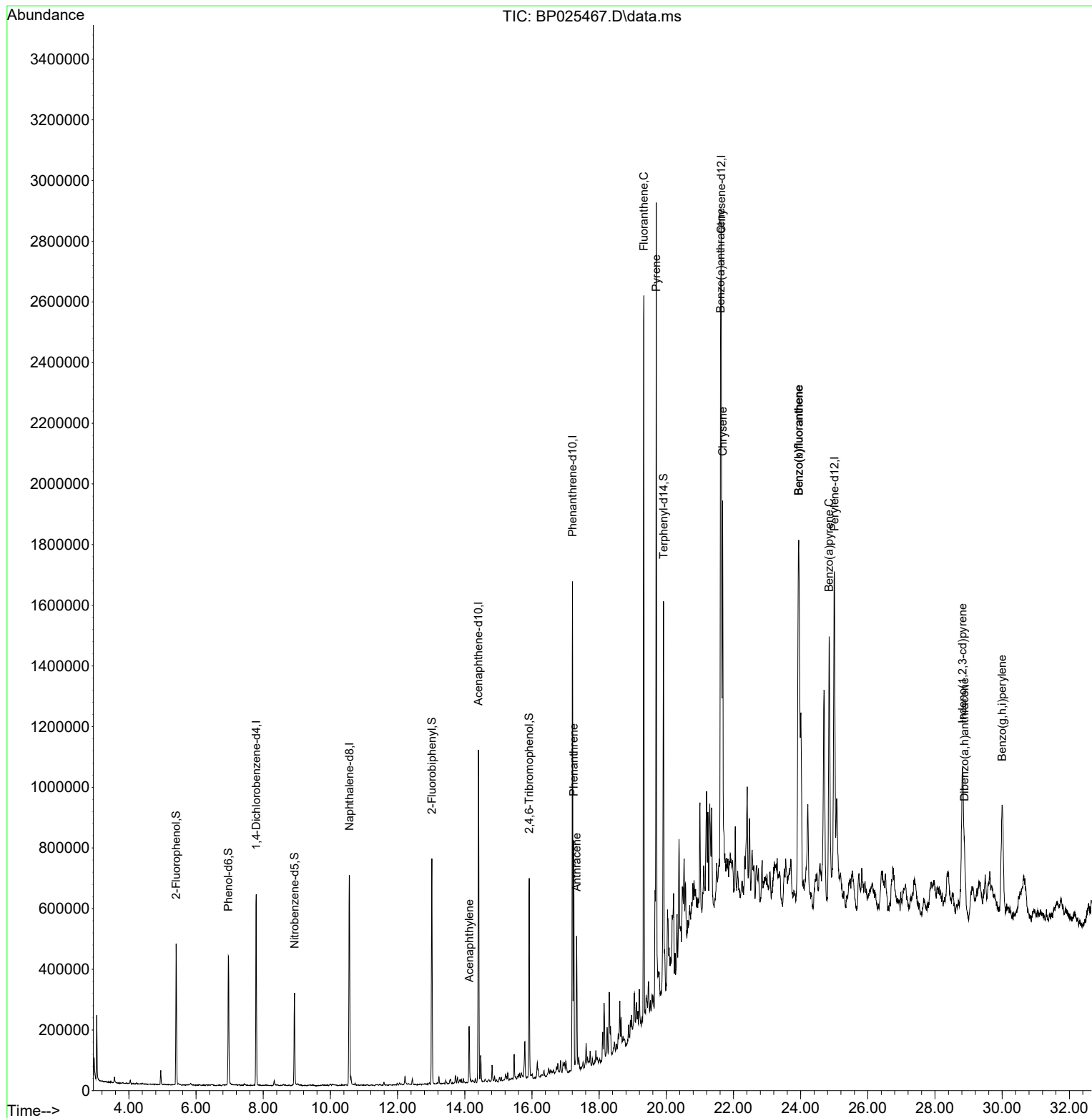
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166743	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	660243	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	424895	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	851839	20.000	ng	0.00
76) Chrysene-d12	21.636	240	883261	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1051674	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	203284	20.246	ng	0.00
7) Phenol-d6	6.961	99	261266	20.296	ng	0.00
23) Nitrobenzene-d5	8.931	82	171357	13.129	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	115156	20.135	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	420220	13.516	ng	0.00
79) Terphenyl-d14	19.919	244	712593	14.761	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.131	152	150197	3.778	ng	98
71) Phenanthrene	17.242	178	435124	9.299	ng	100
72) Anthracene	17.331	178	300242	6.283	ng	99
75) Fluoranthene	19.330	202	1493830	26.763	ng	99
78) Pyrene	19.701	202	1473195	25.661	ng	100
81) Benzo(a)anthracene	21.613	228	962691	16.526	ng	99
83) Chrysene	21.677	228	950100	17.416	ng	97
87) Indeno(1,2,3-cd)pyrene	28.818	276	737621	9.564	ng	# 89
88) Benzo(b)fluoranthene	23.942	252	1561236	25.175	ng	98
89) Benzo(k)fluoranthene	23.942	252	1561236	25.158	ng	97
90) Benzo(a)pyrene	24.848	252	853157	14.133	ng	96
91) Dibenzo(a,h)anthracene	28.877	278	201725	3.201	ng	95
92) Benzo(g,h,i)perylene	30.000	276	667740	10.778	ng	99

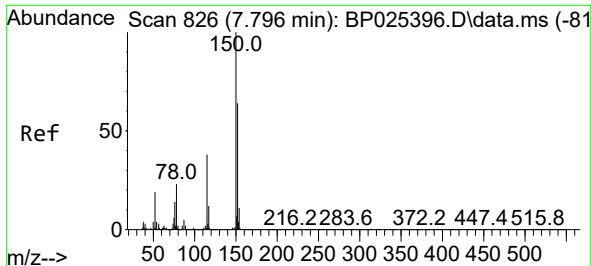
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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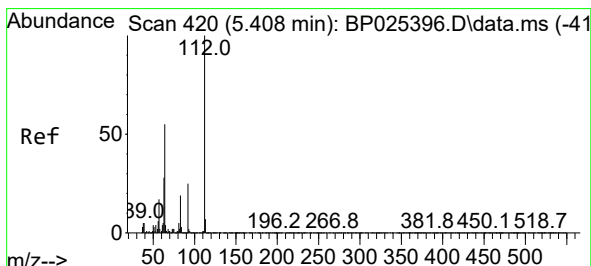
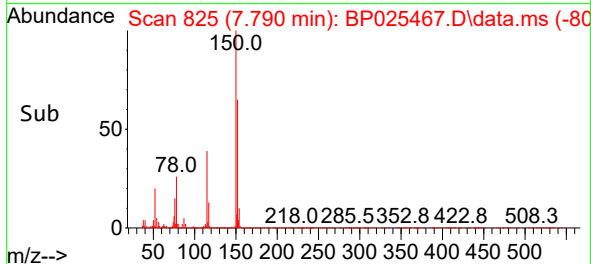
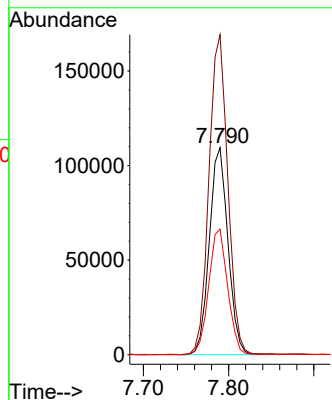
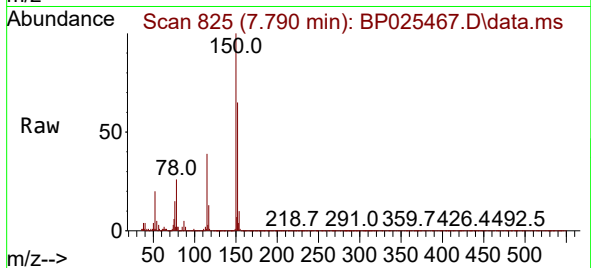




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

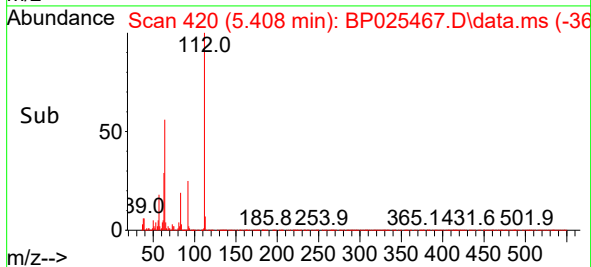
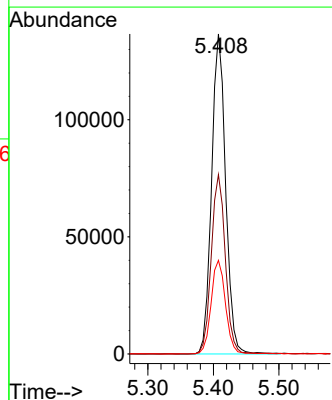
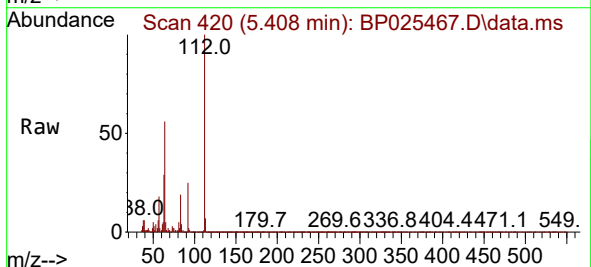
Instrument :
BNA_P
ClientSampleId :

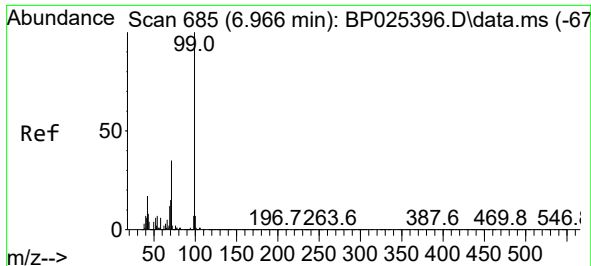
Tgt Ion:152 Resp: 166743
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 60.7 48.5 72.7



#5
2-Fluorophenol
Concen: 20.246 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:112 Resp: 203284
Ion Ratio Lower Upper
112 100
64 56.1 43.8 65.8
63 29.3 22.7 34.1

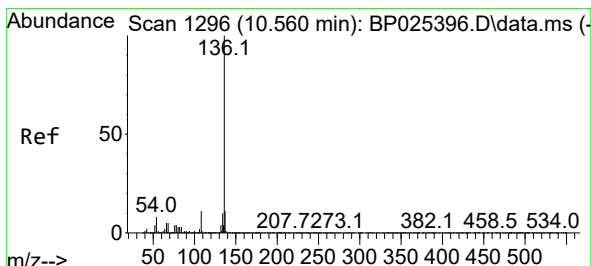
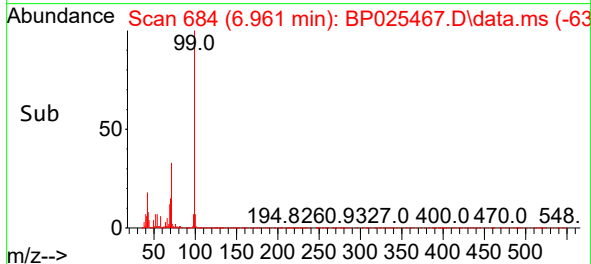
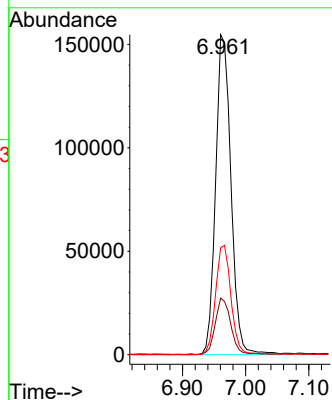
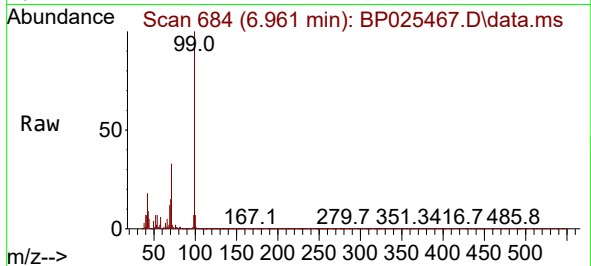




#7
Phenol-d6
Concen: 20.296 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

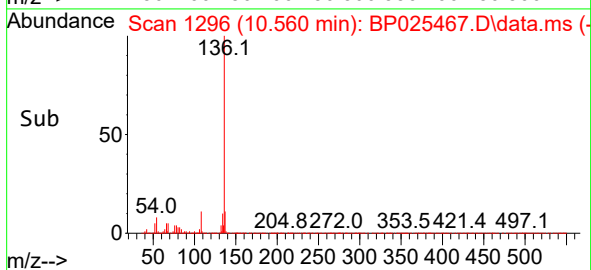
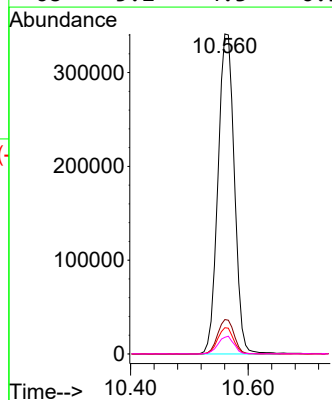
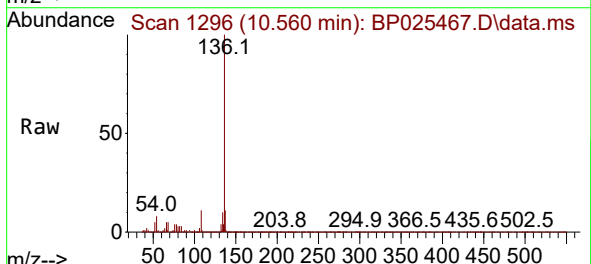
Instrument :
BNA_P
ClientSampleId :

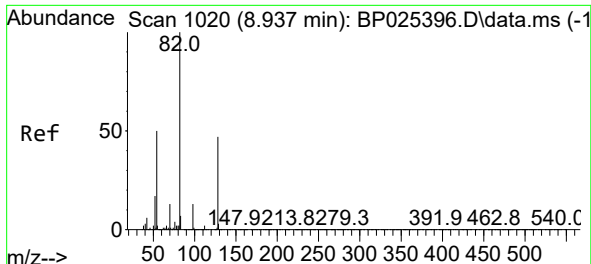
Tgt Ion: 99 Resp: 261266
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 33.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:136 Resp: 660243
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.2 6.0 9.0
68 5.2 4.3 6.5





#23

Nitrobenzene-d5

Concen: 13.129 ng

RT: 8.931 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

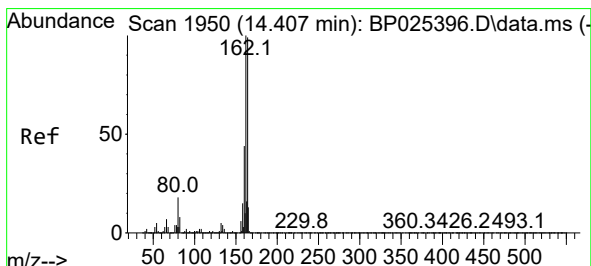
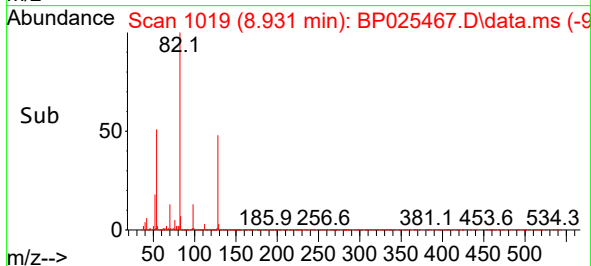
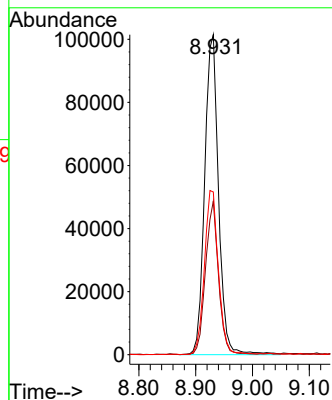
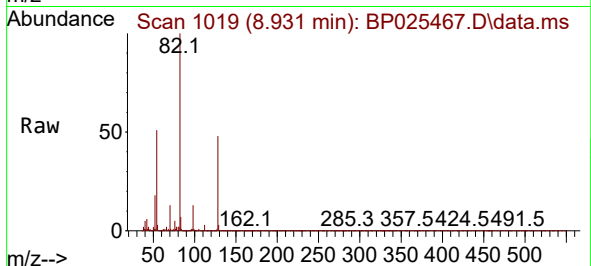
Tgt Ion: 82 Resp: 171357

Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 50.9 39.8 59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.407 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

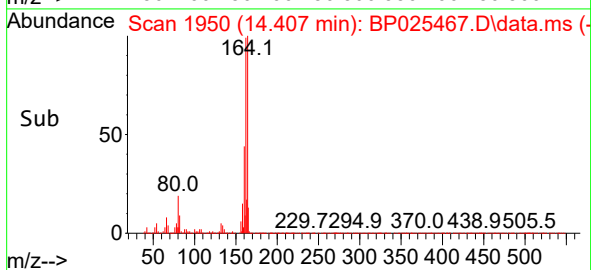
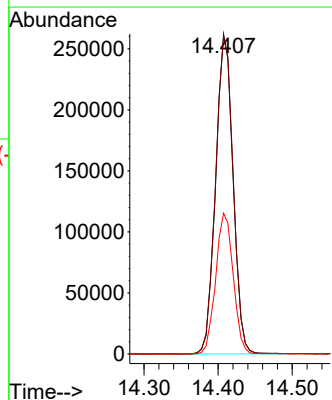
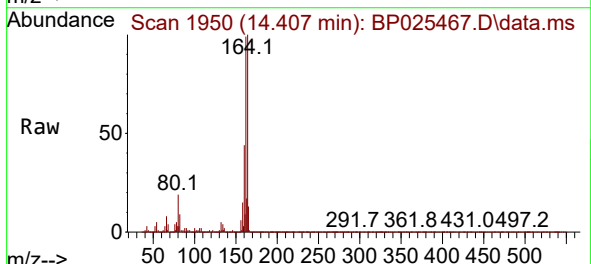
Tgt Ion:164 Resp: 424895

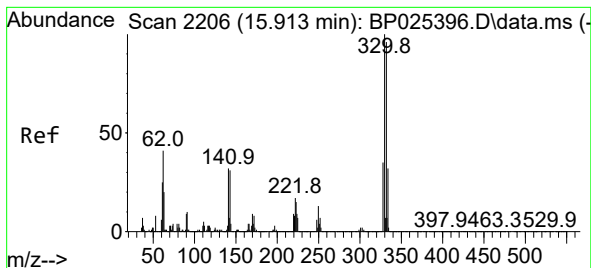
Ion Ratio Lower Upper

164 100

162 99.2 81.0 121.6

160 44.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 20.135 ng

RT: 15.919 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

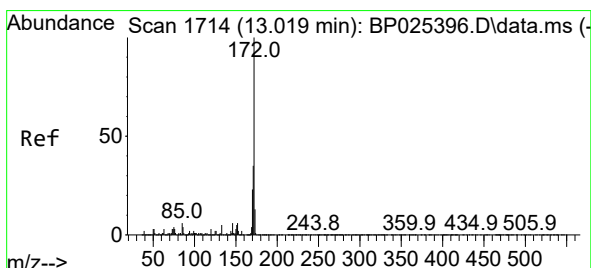
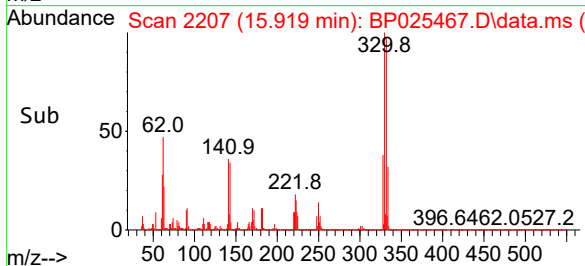
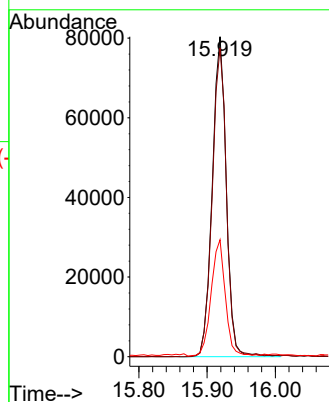
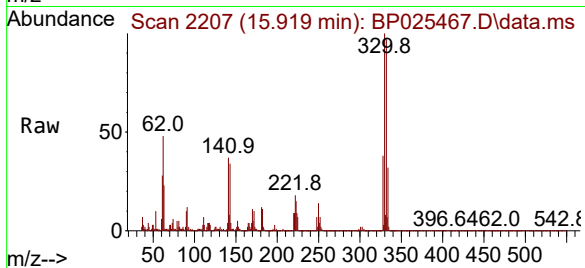
Tgt Ion:330 Resp: 115156

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 36.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 13.516 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

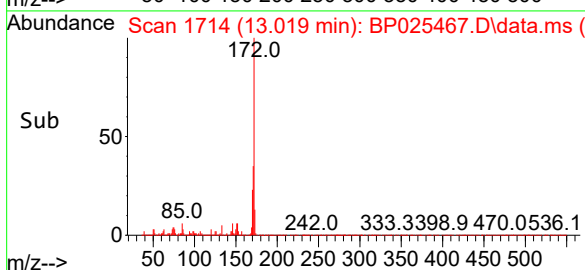
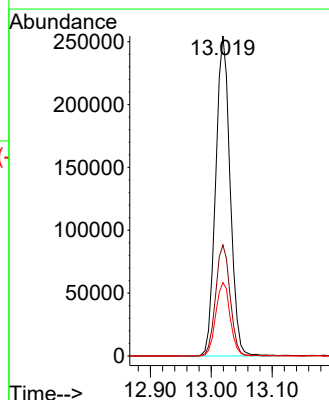
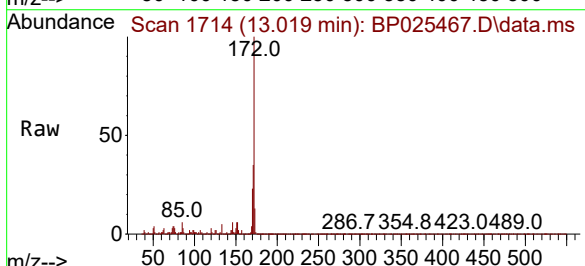
Tgt Ion:172 Resp: 420220

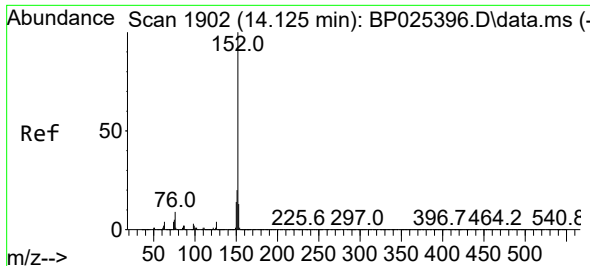
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 22.9 18.6 28.0

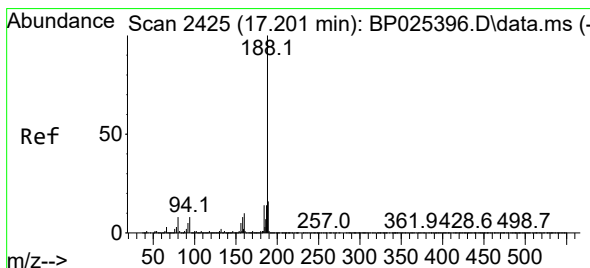
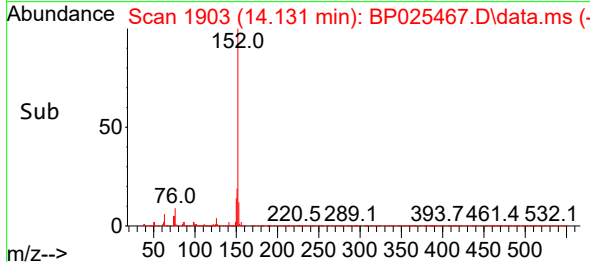
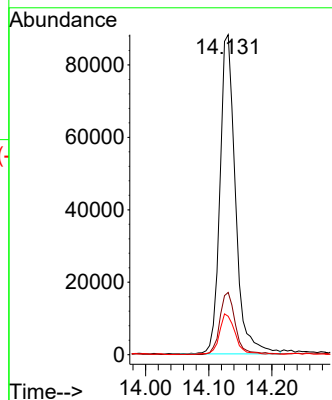
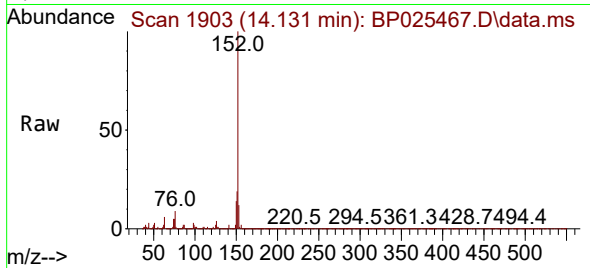




#49
Acenaphthylene
Concen: 3.778 ng
RT: 14.131 min Scan# 1903
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

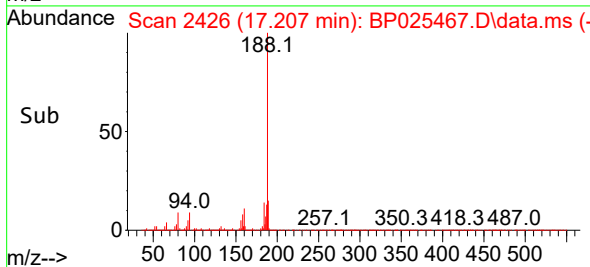
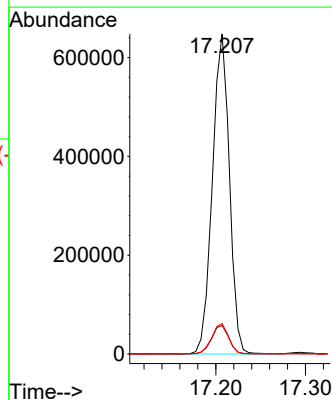
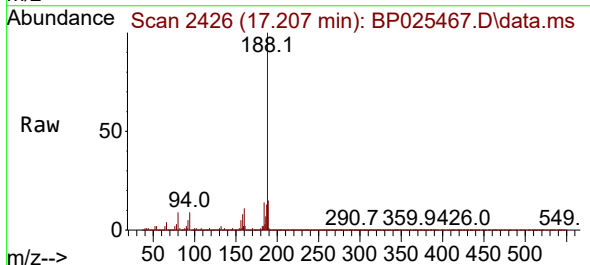
Instrument :
BNA_P
ClientSampleId :

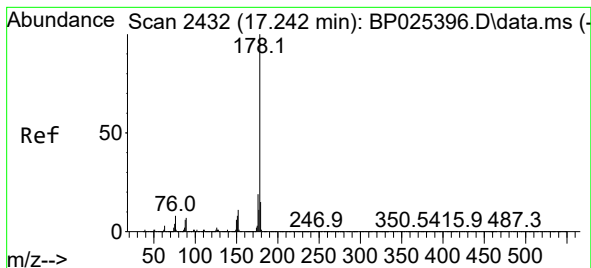
Tgt Ion:152 Resp: 150197
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 12.0 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:188 Resp: 851839
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.5 6.7 10.1





#71

Phenanthrene

Concen: 9.299 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

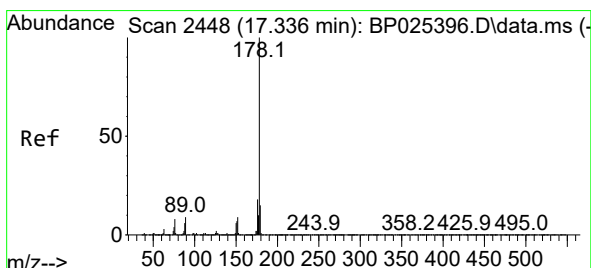
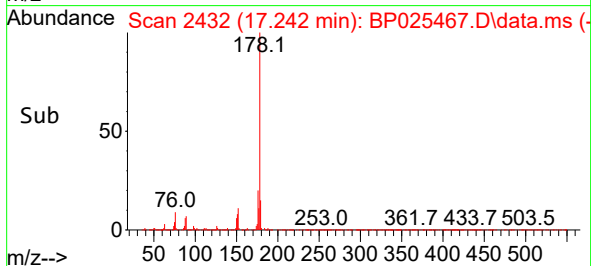
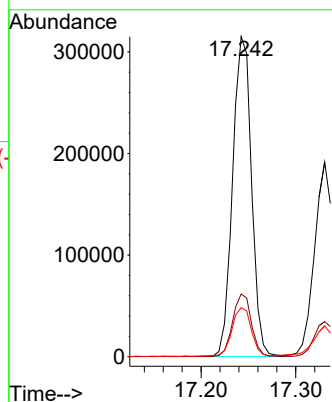
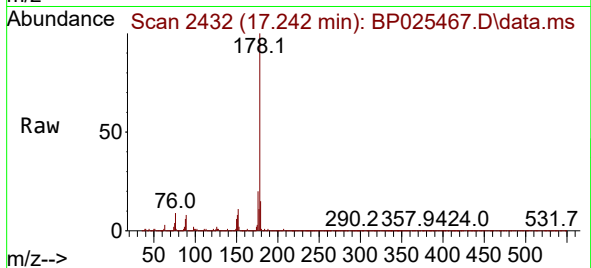
Tgt Ion:178 Resp: 435124

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.3 12.2 18.4



#72

Anthracene

Concen: 6.283 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

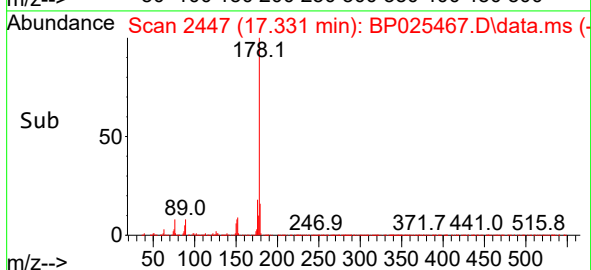
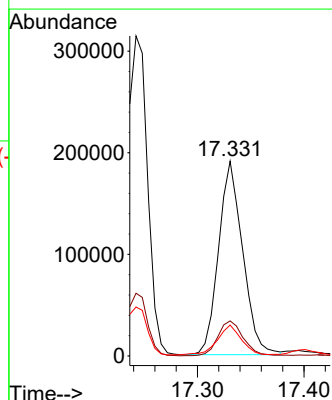
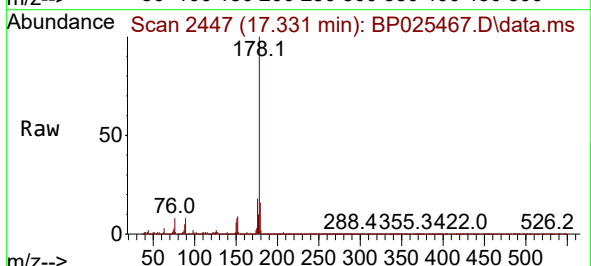
Tgt Ion:178 Resp: 300242

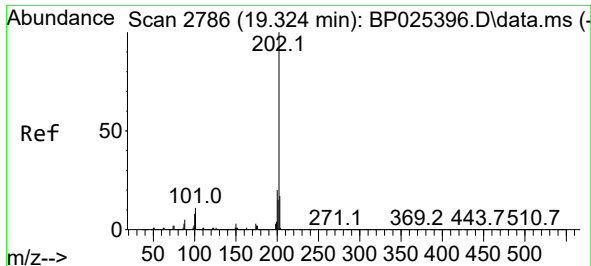
Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 15.9 12.2 18.2

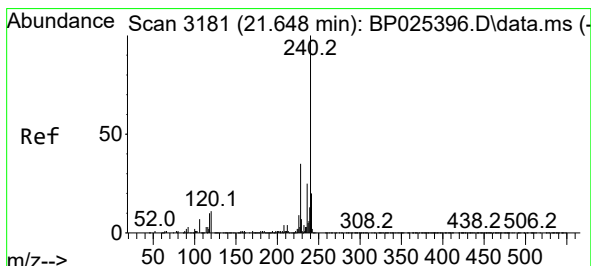
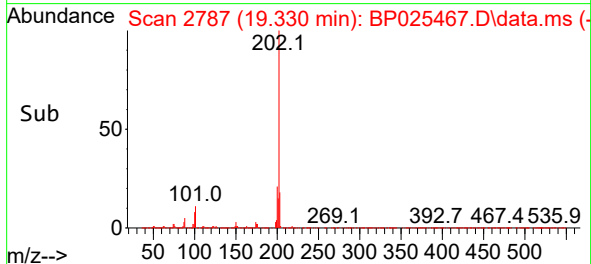
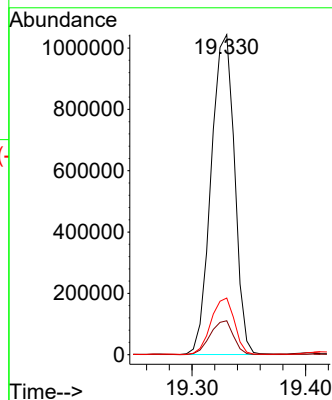
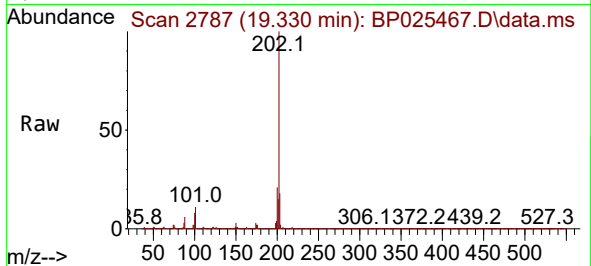




#75
Fluoranthene
Concen: 26.763 ng
RT: 19.330 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

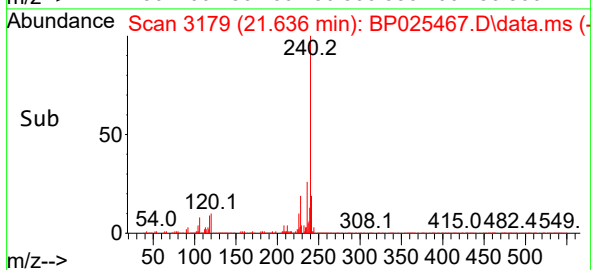
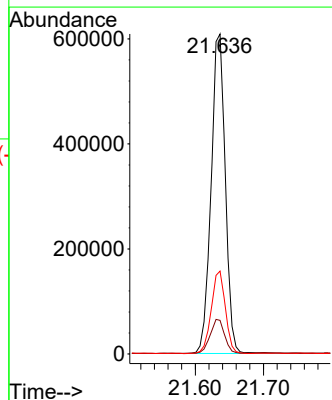
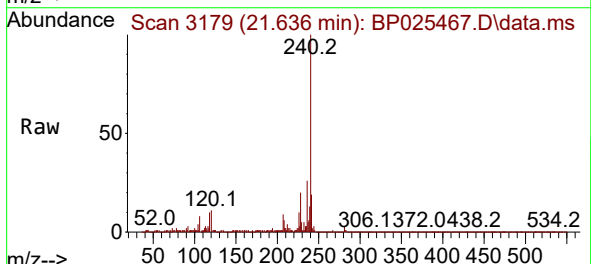
Instrument :
BNA_P
ClientSampleId :

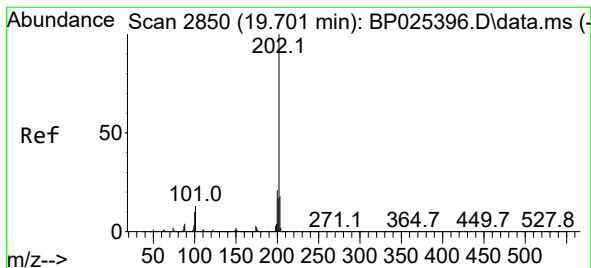
Tgt Ion:202 Resp: 1493830
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025467.D
Acq: 18 Aug 2025 18:58

Tgt Ion:240 Resp: 883261
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.9 19.8 29.8





#78

Pyrene

Concen: 25.661 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

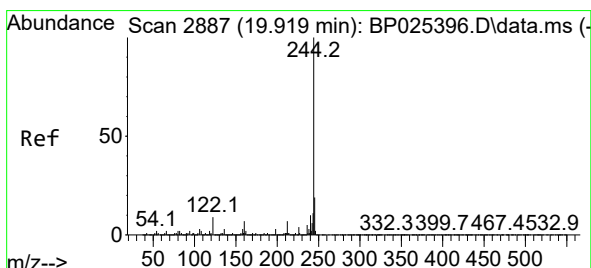
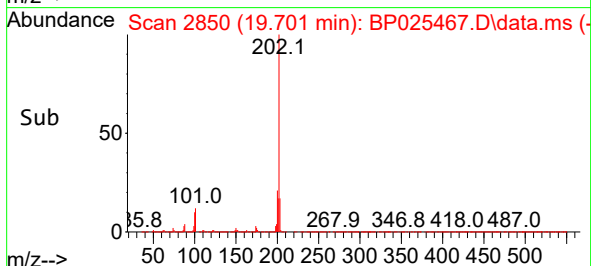
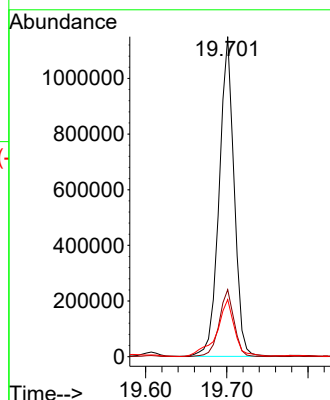
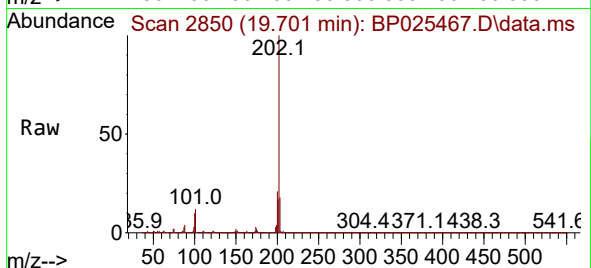
Tgt Ion:202 Resp: 1473195

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 14.761 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

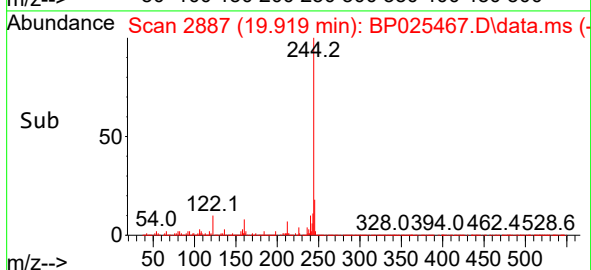
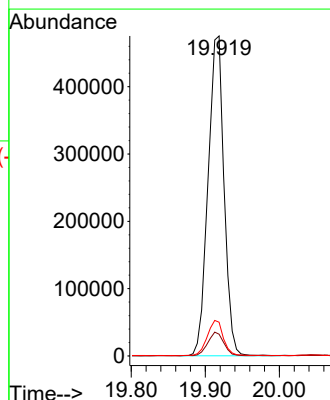
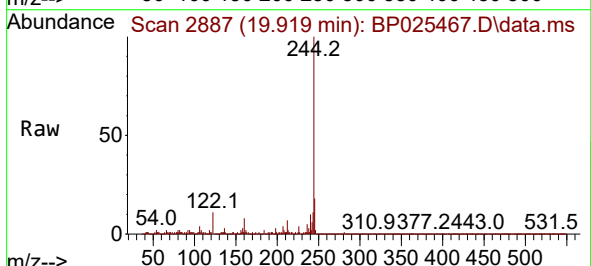
Tgt Ion:244 Resp: 712593

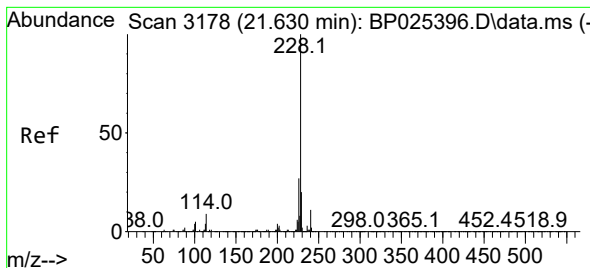
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 10.5 7.4 11.2





#81

Benzo(a)anthracene

Concen: 16.526 ng

RT: 21.613 min Scan# 3175

Delta R.T. -0.018 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

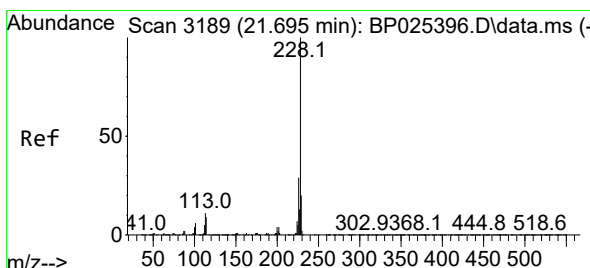
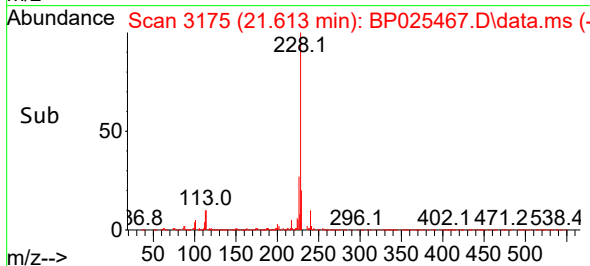
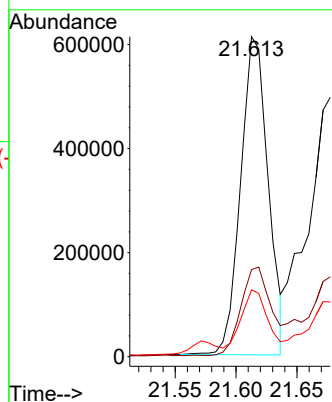
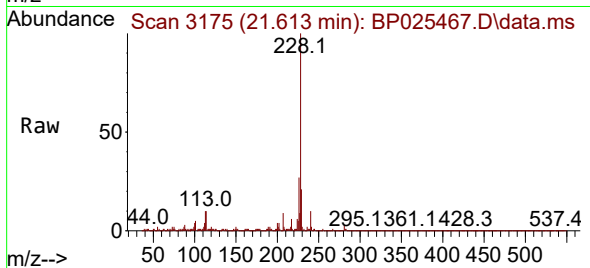
Tgt Ion:228 Resp: 962691

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 20.9 15.6 23.4



#83

Chrysene

Concen: 17.416 ng

RT: 21.677 min Scan# 3186

Delta R.T. -0.018 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

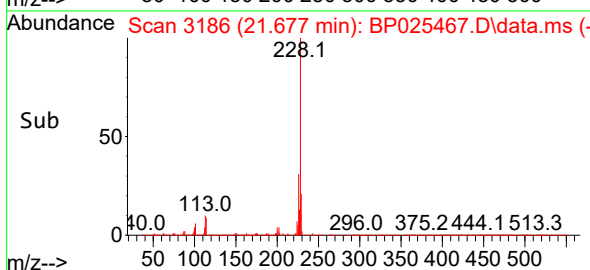
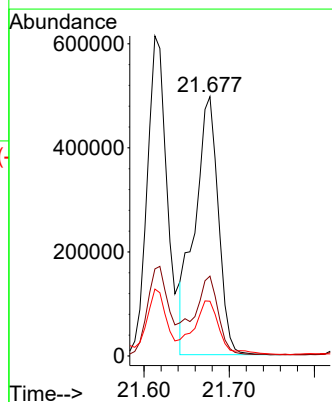
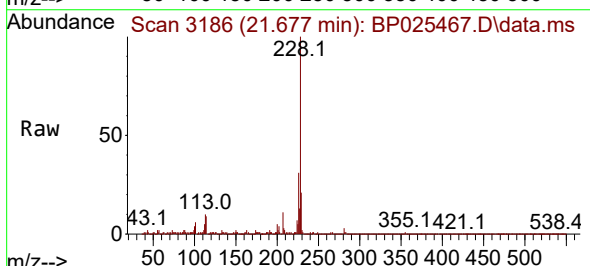
Tgt Ion:228 Resp: 950100

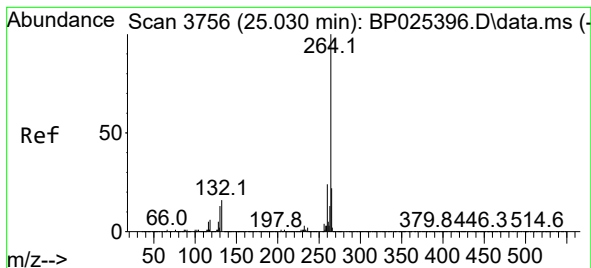
Ion Ratio Lower Upper

228 100

226 30.8 23.2 34.8

229 21.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

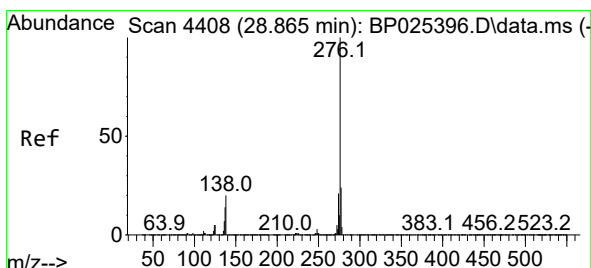
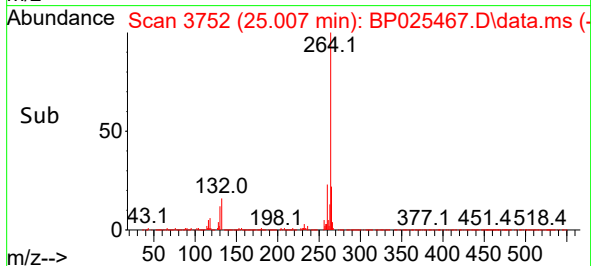
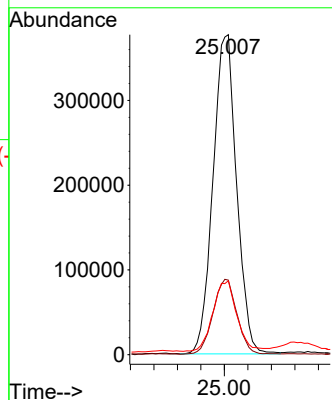
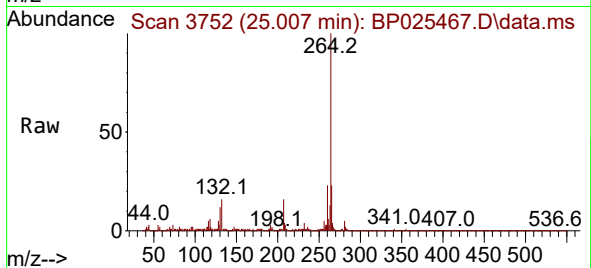
Tgt Ion:264 Resp: 1051674

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 23.1 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.564 ng

RT: 28.818 min Scan# 4400

Delta R.T. -0.047 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

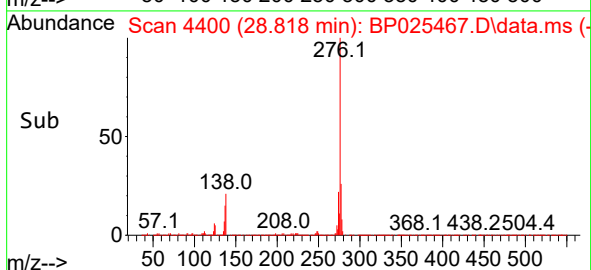
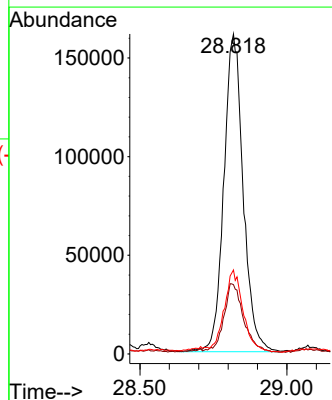
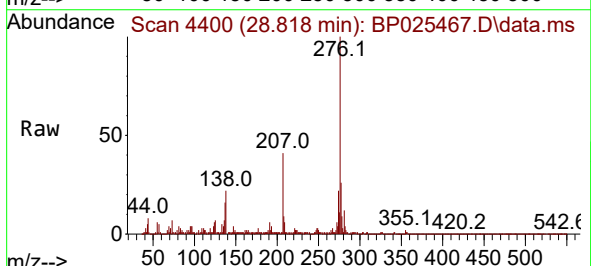
Tgt Ion:276 Resp: 737621

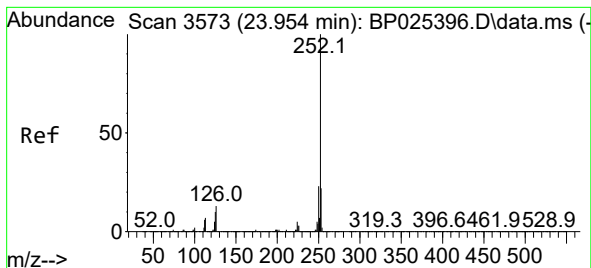
Ion Ratio Lower Upper

276 100

138 22.1 12.9 19.3#

277 25.4 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 25.175 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

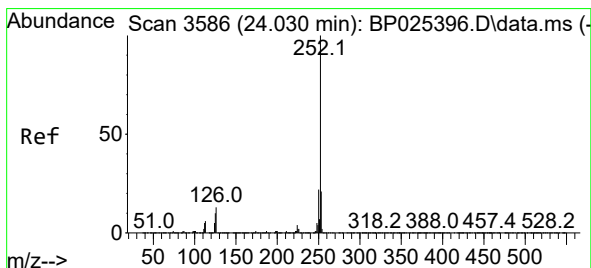
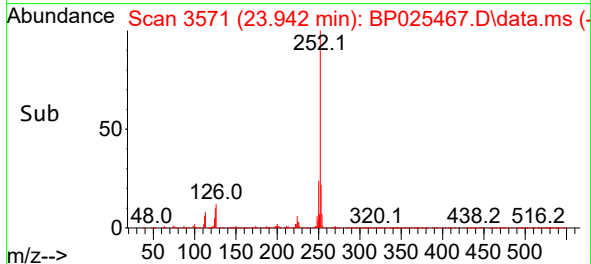
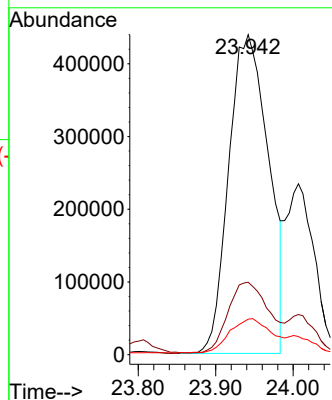
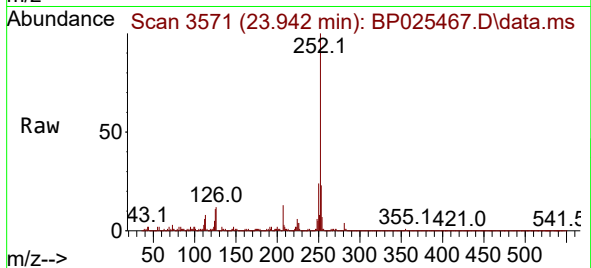
Tgt Ion:252 Resp: 1561236

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.1 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 25.158 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.088 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

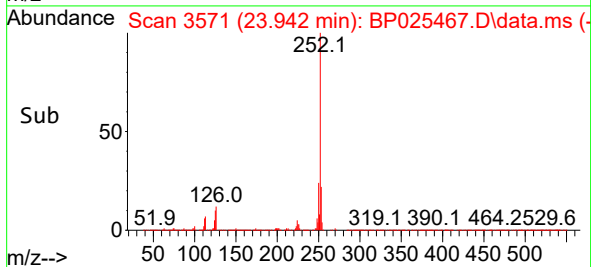
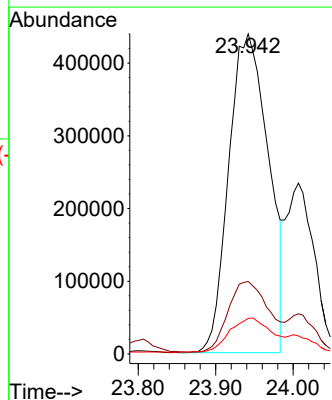
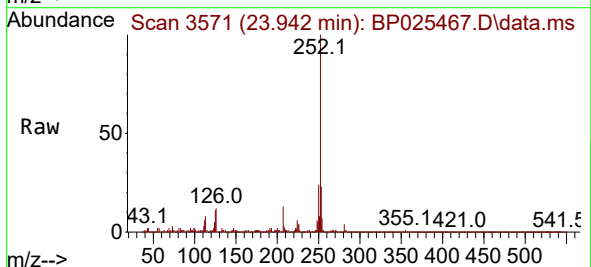
Tgt Ion:252 Resp: 1561236

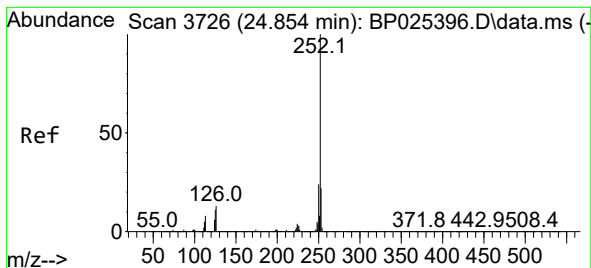
Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 11.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 14.133 ng

RT: 24.848 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

Instrument :

BNA_P

ClientSampleId :

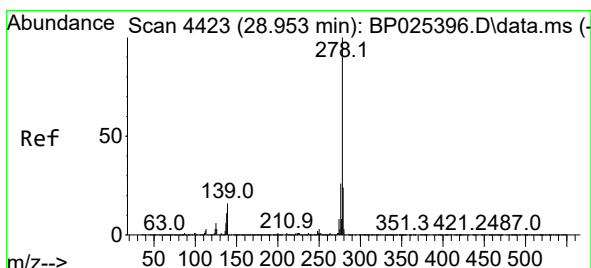
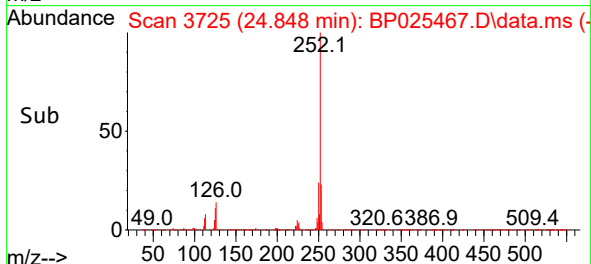
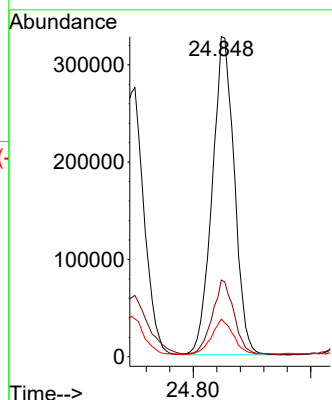
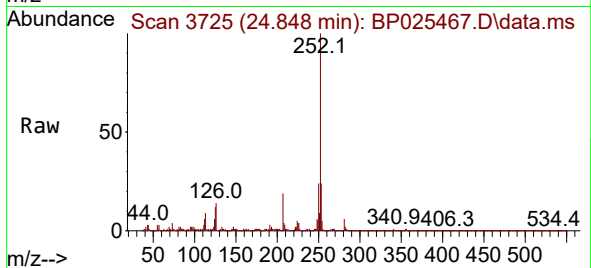
Tgt Ion:252 Resp: 853157

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 11.8 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 3.201 ng

RT: 28.877 min Scan# 4410

Delta R.T. -0.076 min

Lab File: BP025467.D

Acq: 18 Aug 2025 18:58

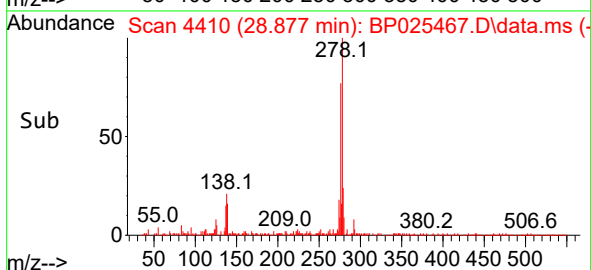
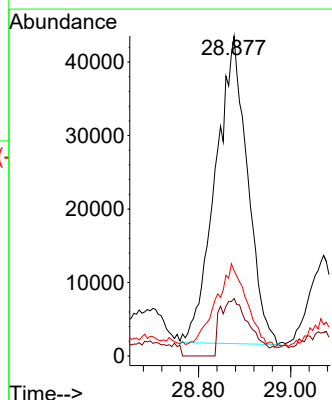
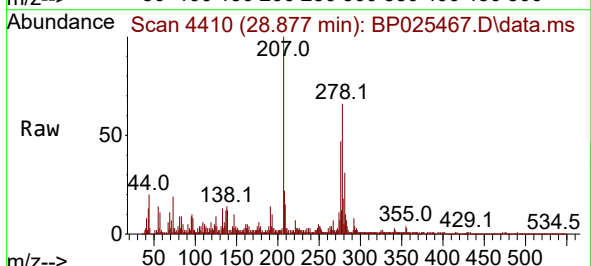
Tgt Ion:278 Resp: 201725

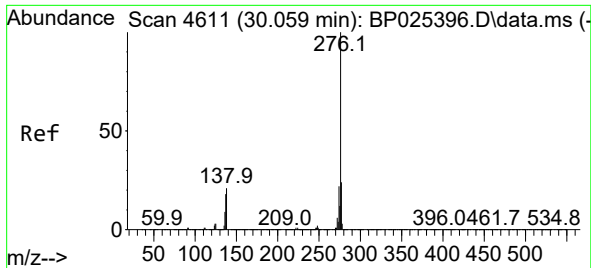
Ion Ratio Lower Upper

278 100

139 18.0 13.0 19.4

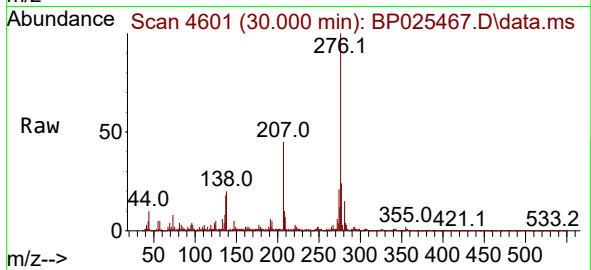
279 26.7 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 10.778 ng
 RT: 30.000 min Scan# 4
 Delta R.T. -0.059 min
 Lab File: BP025467.D
 Acq: 18 Aug 2025 18:58

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:276 Resp: 667740
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.4 29.0
 138 20.2 16.7 25.1

