

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025221.D
 Acq On : 23 Jul 2025 12:47
 Operator : CG/JU
 Sample : Q2638-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-37-071725

Quant Time: Jul 23 13:06:47 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 22 02:55:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

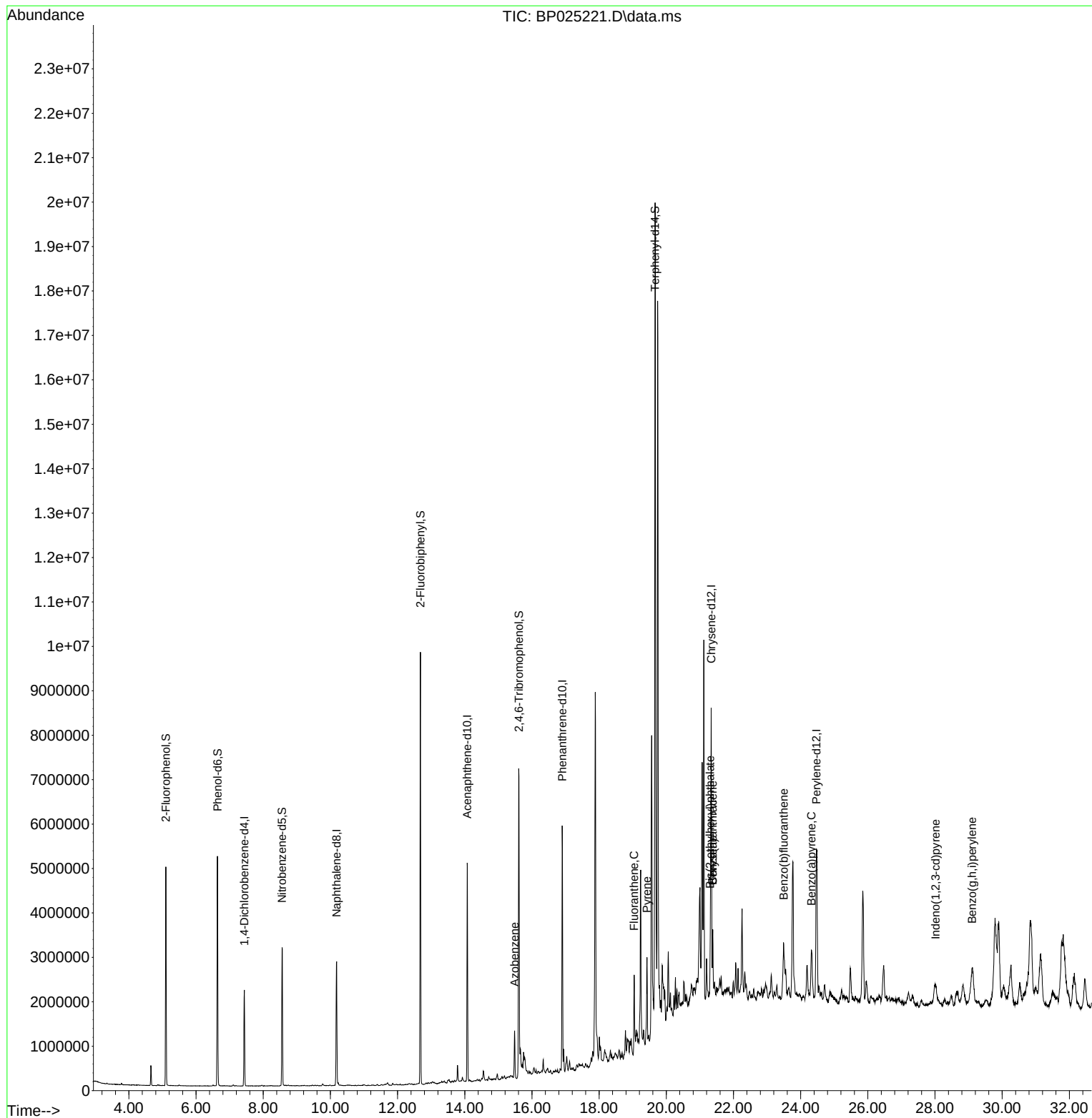
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	590178	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	2487527	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	1674409	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	3354709	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3283587	20.000	ng	0.01
86) Perylene-d12	24.471	264	3860163	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	2174395	62.251	ng	0.00
7) Phenol-d6	6.637	99	2885297	66.695	ng	0.00
23) Nitrobenzene-d5	8.560	82	1740001	38.873	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1635290	66.248	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4651172	39.162	ng	0.00
79) Terphenyl-d14	19.666	244	6647591	39.964	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.484	77	290935	3.025	ng	# 1
75) Fluoranthene	19.042	202	1096981	5.151	ng	99
78) Pyrene	19.425	202	1355710	6.696	ng	99
81) Benzo(a)anthracene	21.383	228	1099585	5.303	ng	95
83) Chrysene	21.383	228	1101898	5.692	ng	97
84) Bis(2-ethylhexyl)phtha...	21.307	149	323280	2.467	ng	99
87) Indeno(1,2,3-cd)pyrene	28.012	276	795063	2.818	ng	# 94
88) Benzo(b)fluoranthene	23.495	252	1351598	6.117	ng	# 96
90) Benzo(a)pyrene	24.318	252	1122675	5.208	ng	96
92) Benzo(g,h,i)perylene	29.100	276	807607	3.571	ng	96

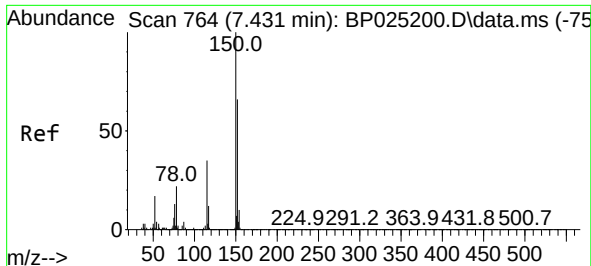
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
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OU4-TS-37-071725

Quant Time: Jul 23 13:06:47 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 22 02:55:21 2025
Response via : Initial Calibration

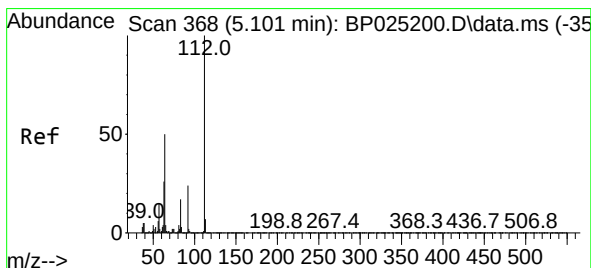
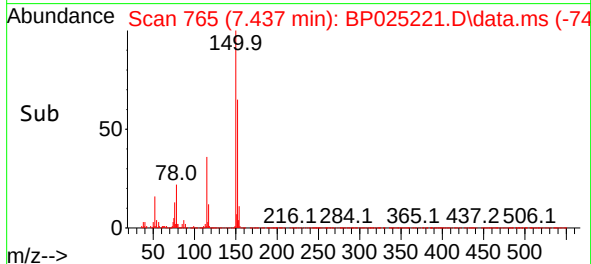
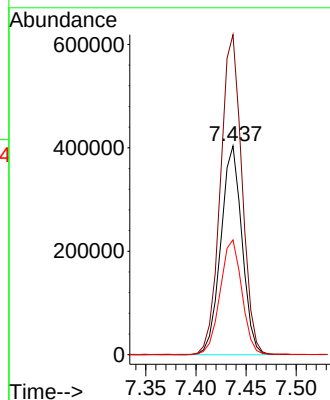
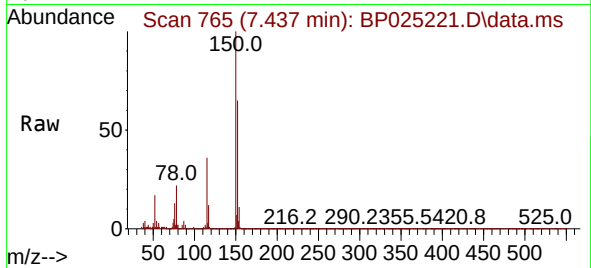




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 764
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

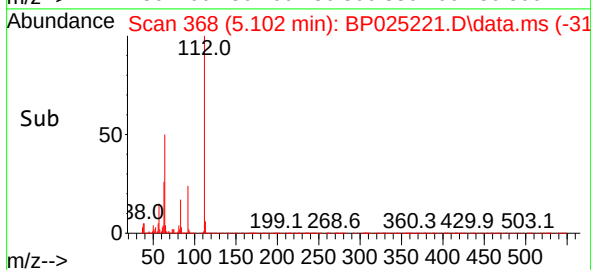
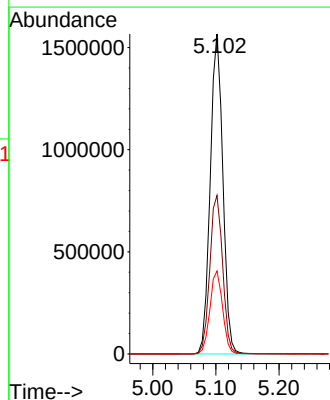
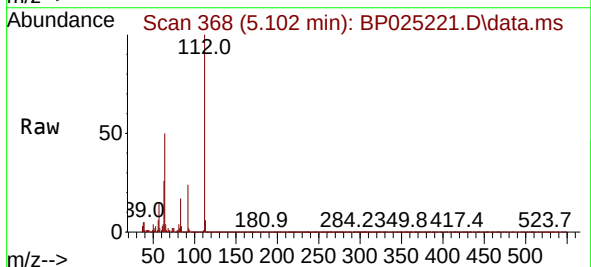
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

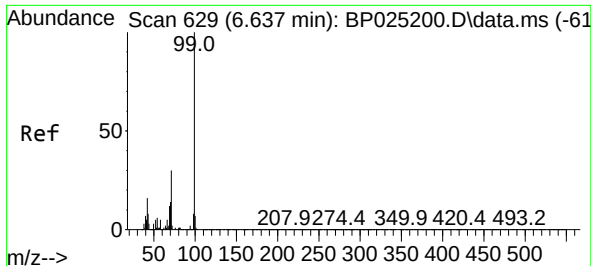
Tgt Ion:152 Resp: 590178
Ion Ratio Lower Upper
152 100
150 153.2 121.9 182.9
115 55.0 43.0 64.6



#5
2-Fluorophenol
Concen: 62.251 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion:112 Resp: 2174395
Ion Ratio Lower Upper
112 100
64 49.6 39.8 59.6
63 26.0 20.5 30.7



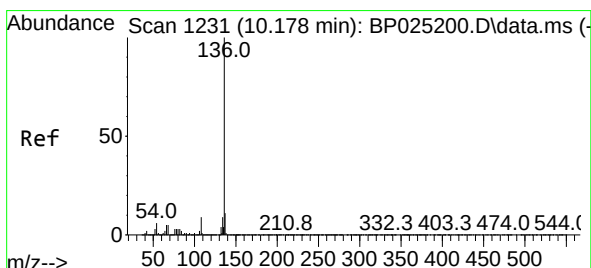
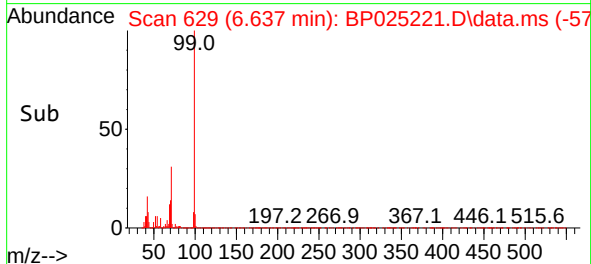
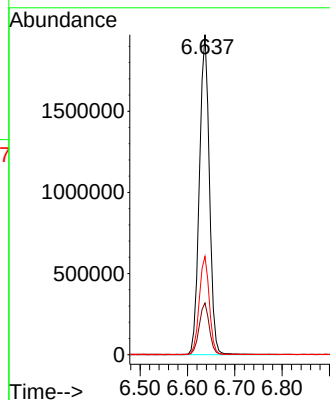
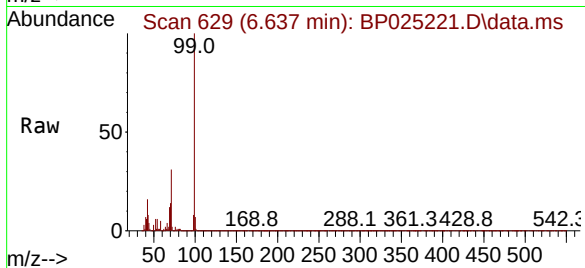


#7
Phenol-d6
Concen: 66.695 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

Tgt Ion: 99 Resp: 2885297

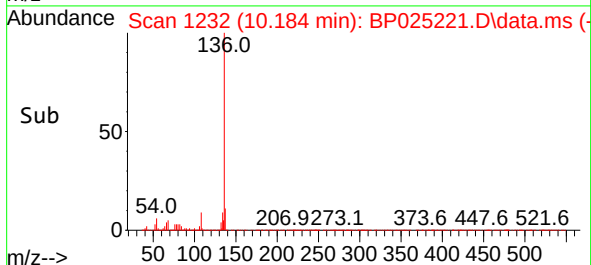
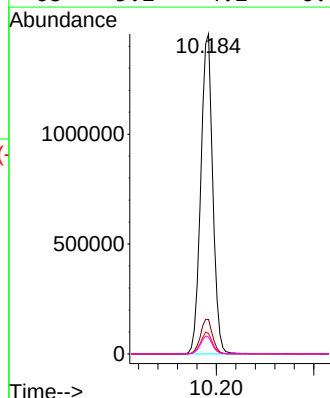
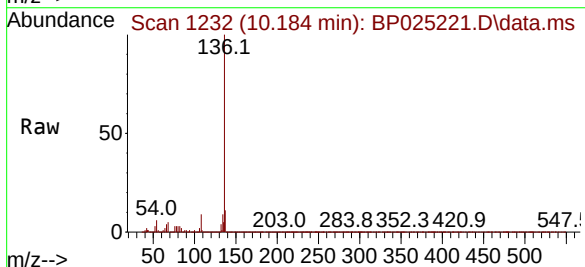
Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.5	18.7
71	30.7	24.2	36.2

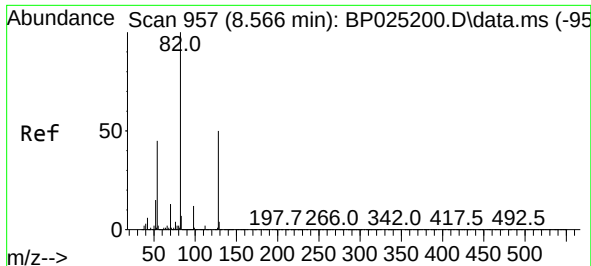


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion: 136 Resp: 2487527

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.1	7.7
68	5.2	4.2	6.4

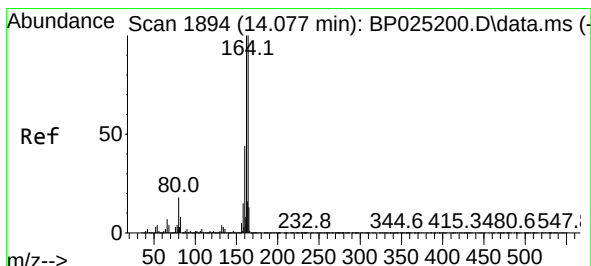
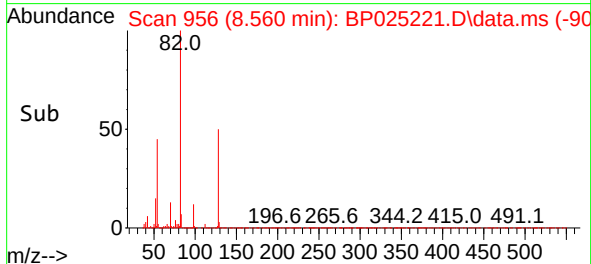
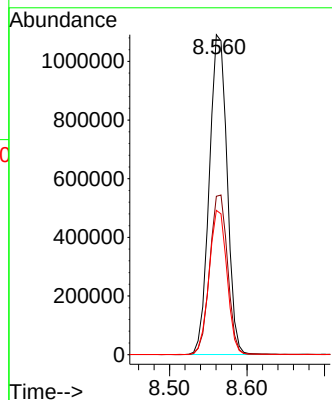
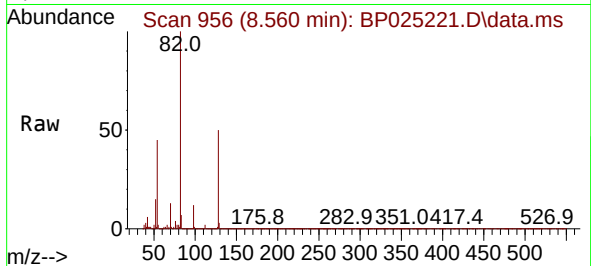




#23
Nitrobenzene-d5
Concen: 38.873 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

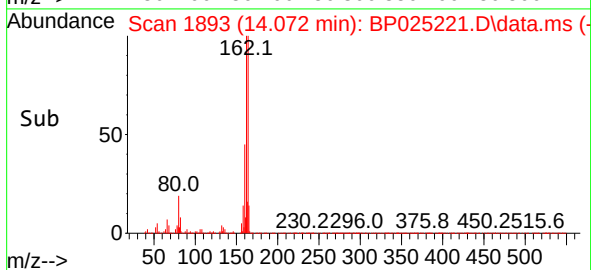
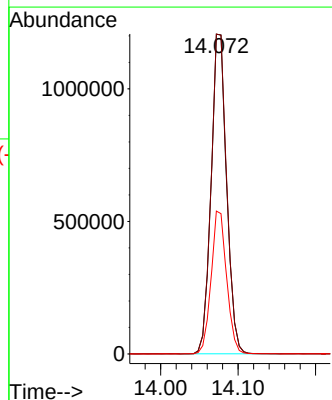
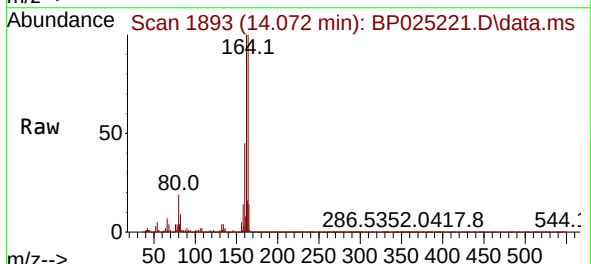
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

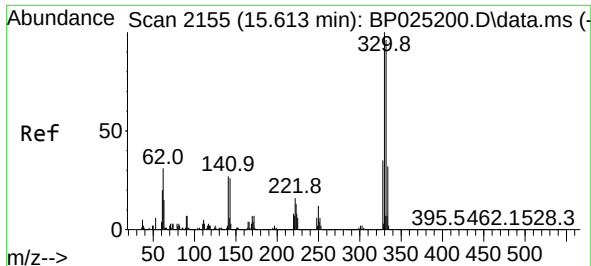
Tgt Ion: 82 Resp: 1740001
Ion Ratio Lower Upper
82 100
128 49.5 40.2 60.4
54 45.1 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.072 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion:164 Resp: 1674409
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 44.7 35.7 53.5

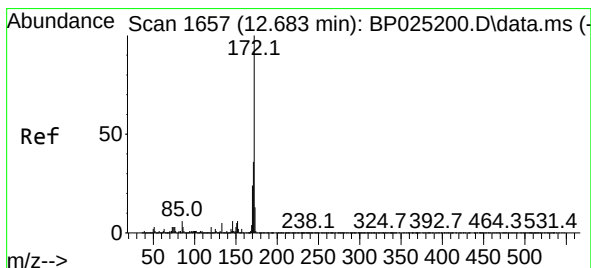
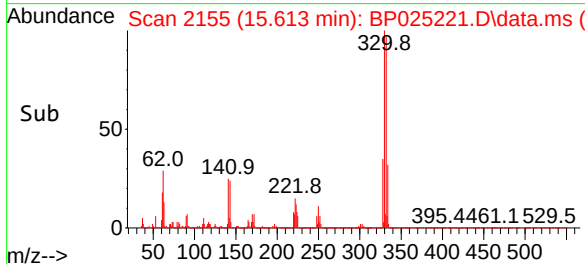
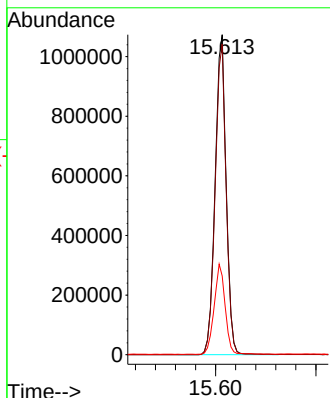
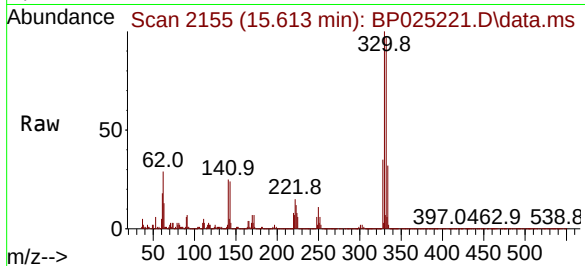




#42
2,4,6-Tribromophenol
Concen: 66.248 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

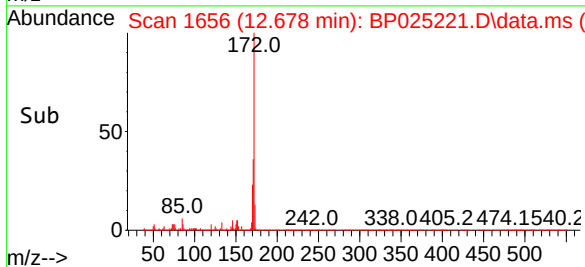
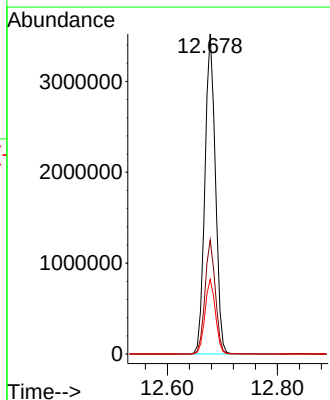
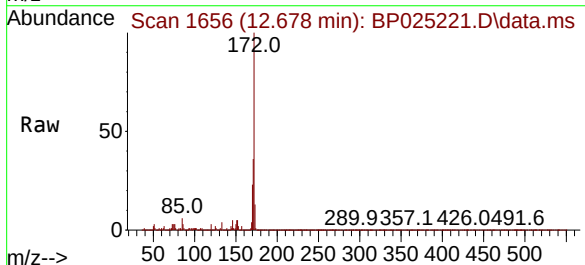
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

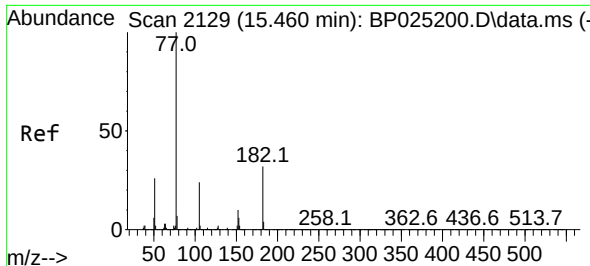
Tgt Ion:330 Resp: 1635290
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 28.0 22.4 33.6



#45
2-Fluorobiphenyl
Concen: 39.162 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion:172 Resp: 4651172
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 19.2 28.8

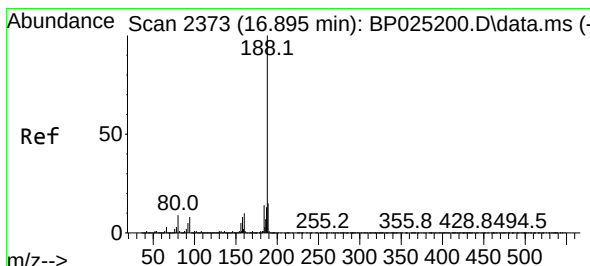
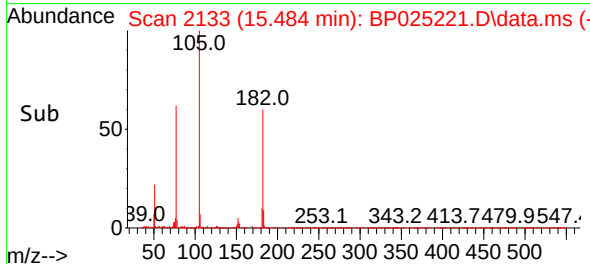
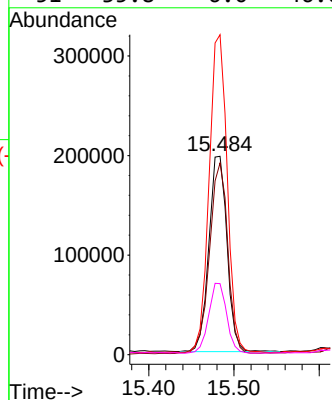
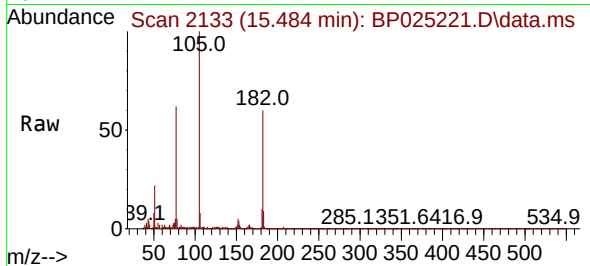




#63
Azobenzene
Concen: 3.025 ng
RT: 15.484 min Scan# 2129
Delta R.T. 0.024 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

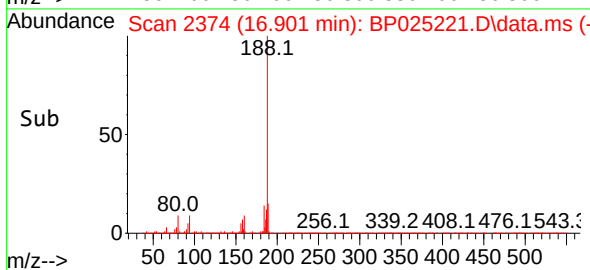
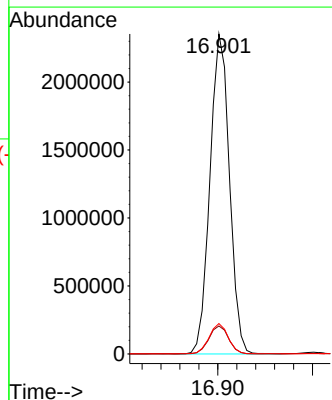
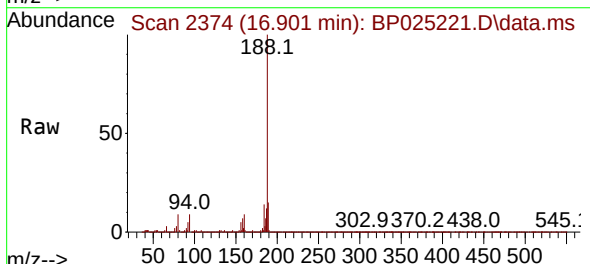
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

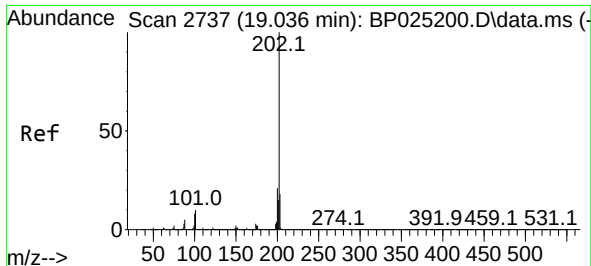
Tgt Ion: 77	Resp: 290935
Ion Ratio	Lower Upper
77 100	
182 96.6	12.0 52.0#
105 161.2	3.6 43.6#
51 35.8	6.0 46.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion: 188	Resp: 3354709
Ion Ratio	Lower Upper
188 100	
94 8.7	6.8 10.2
80 9.5	7.3 10.9

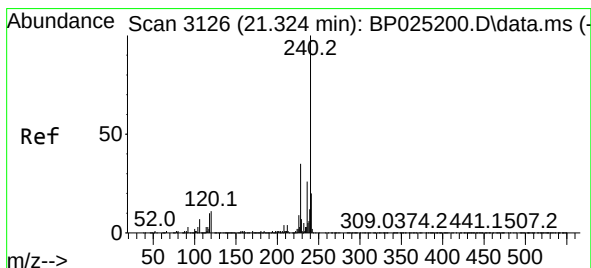
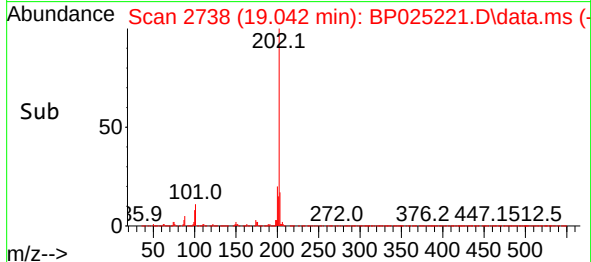
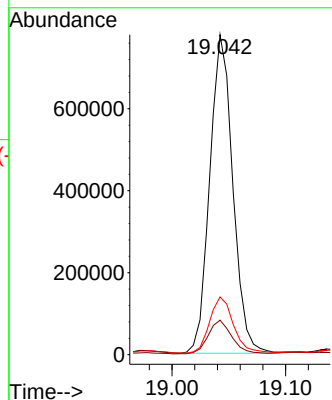
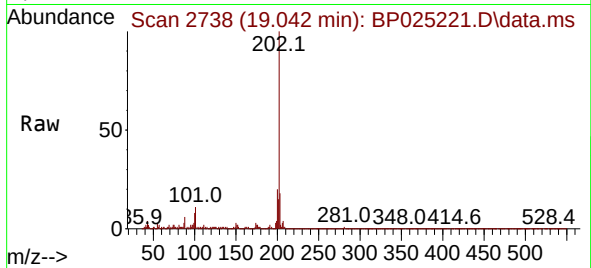




#75
Fluoranthene
Concen: 5.151 ng
RT: 19.042 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

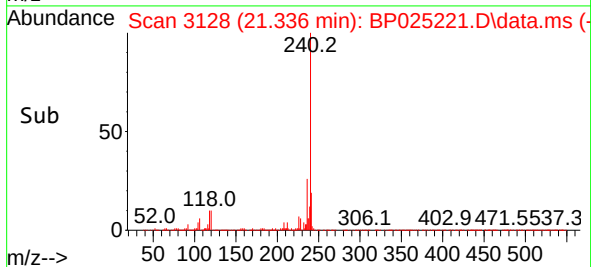
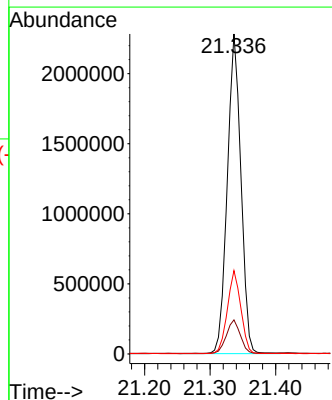
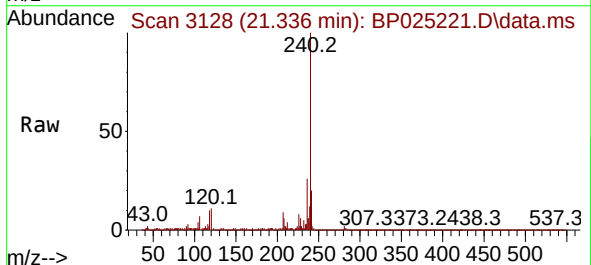
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OU4-TS-37-071725

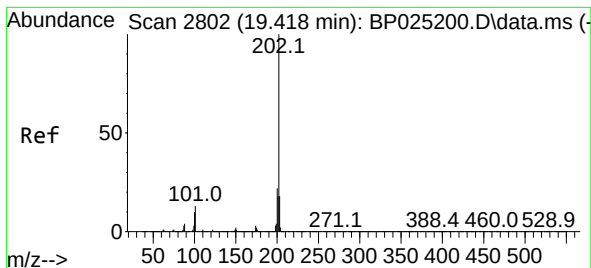
Tgt Ion:202 Resp: 1096981
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.3
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.336 min Scan# 3128
Delta R.T. 0.012 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion:240 Resp: 3283587
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 6.696 ng

RT: 19.425 min Scan# 2802

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

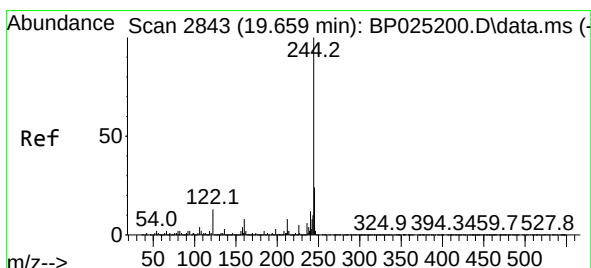
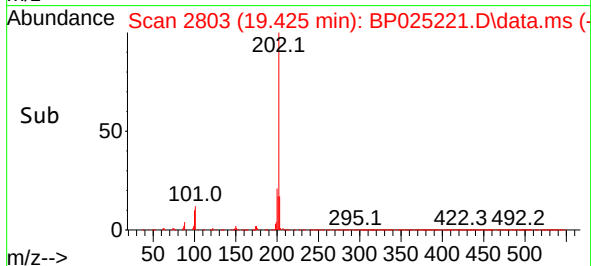
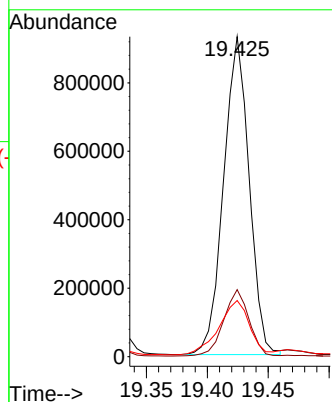
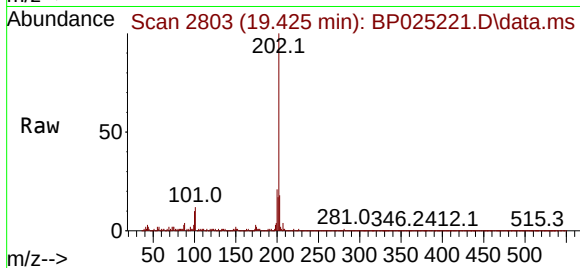
Tgt Ion:202 Resp: 1355710

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

203 17.5 14.3 21.5



#79

Terphenyl-d14

Concen: 39.964 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

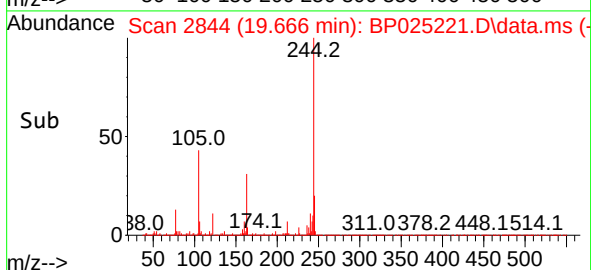
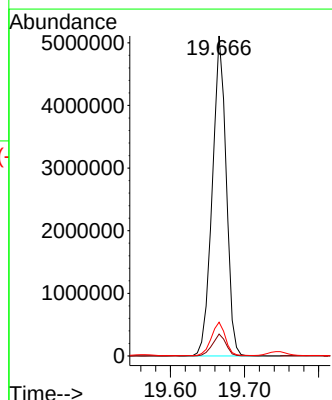
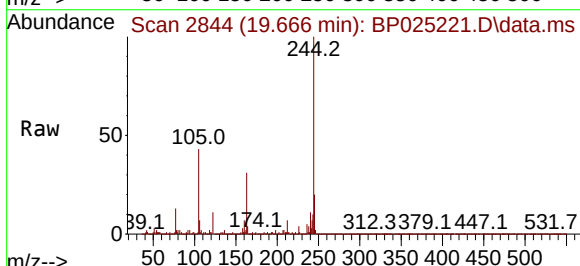
Tgt Ion:244 Resp: 6647591

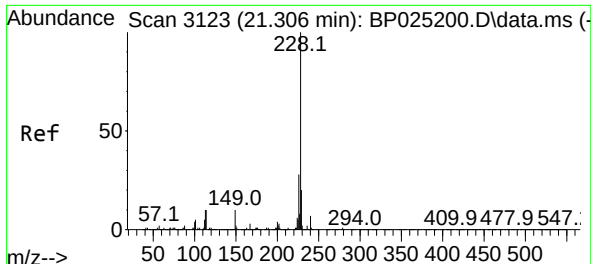
Ion Ratio Lower Upper

244 100

212 6.9 6.6 9.8

122 10.6 10.3 15.5

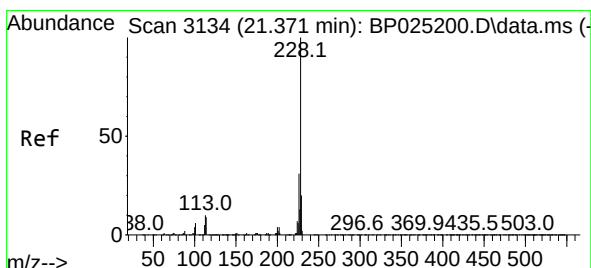
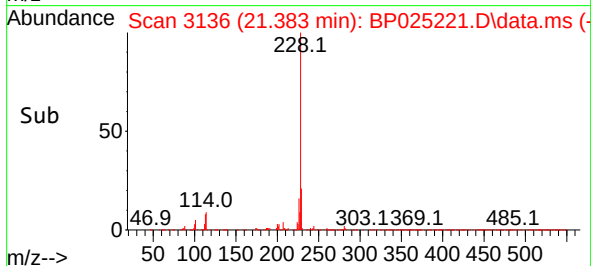
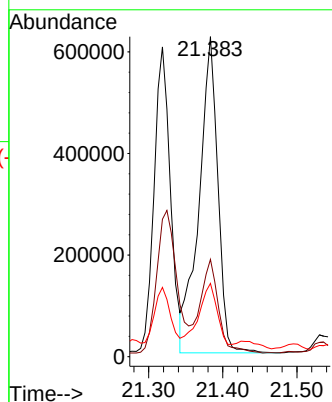
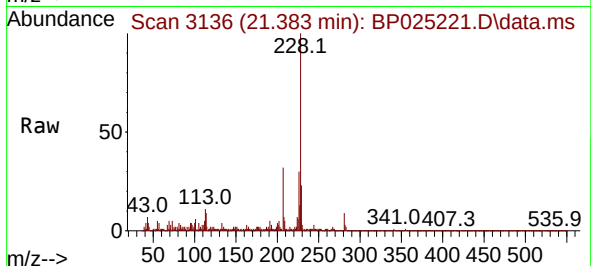




#81
Benzo(a)anthracene
Concen: 5.303 ng
RT: 21.383 min Scan# 3123
Delta R.T. 0.077 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

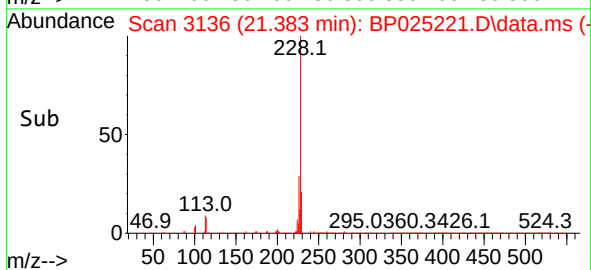
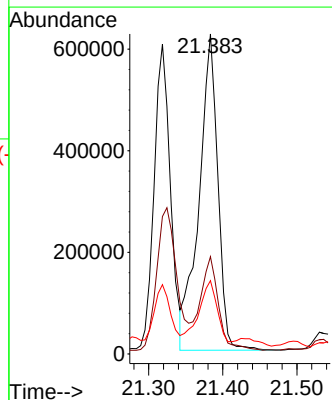
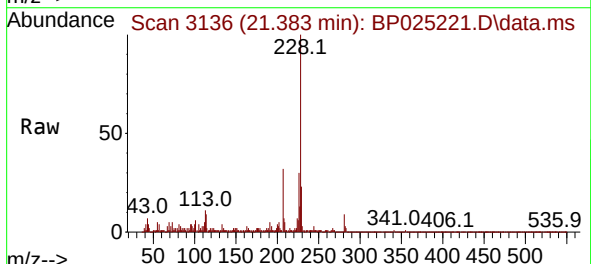
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725

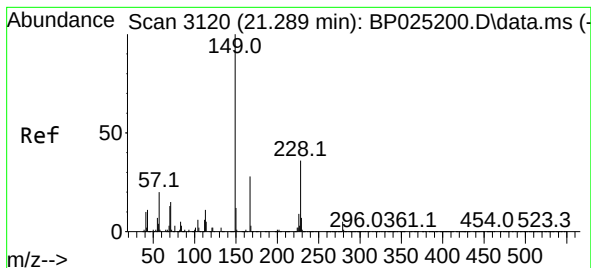
Tgt Ion:228 Resp: 1099585
Ion Ratio Lower Upper
228 100
226 30.4 22.3 33.5
229 22.9 16.2 24.2



#83
Chrysene
Concen: 5.692 ng
RT: 21.383 min Scan# 3136
Delta R.T. 0.012 min
Lab File: BP025221.D
Acq: 23 Jul 2025 12:47

Tgt Ion:228 Resp: 1101898
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 22.9 16.0 24.0

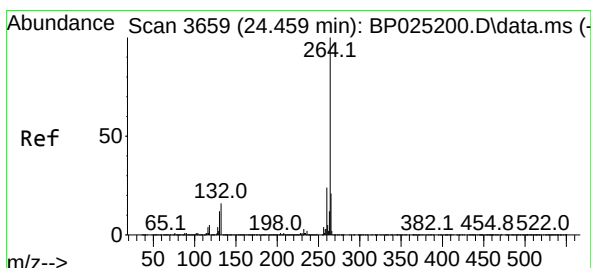
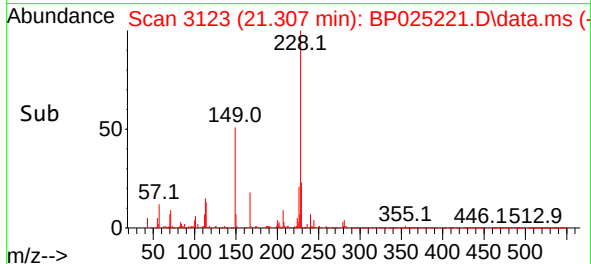
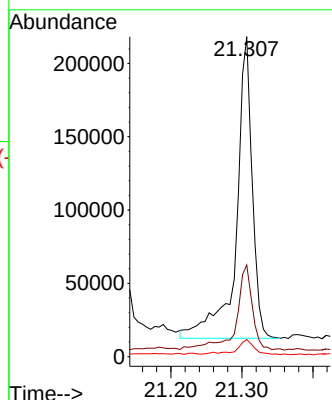
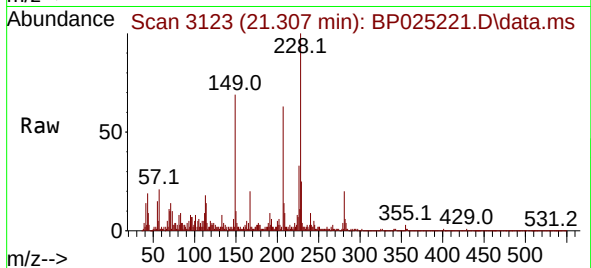




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.467 ng
 RT: 21.307 min Scan# 3120
 Delta R.T. 0.018 min
 Lab File: BP025221.D
 Acq: 23 Jul 2025 12:47

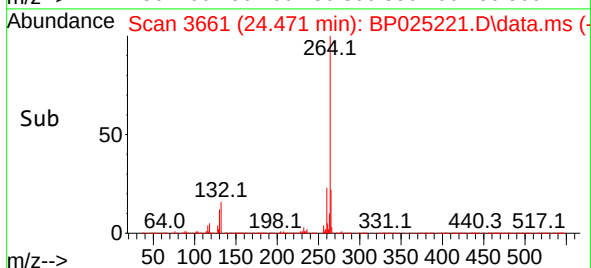
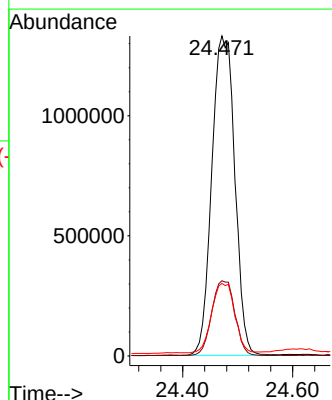
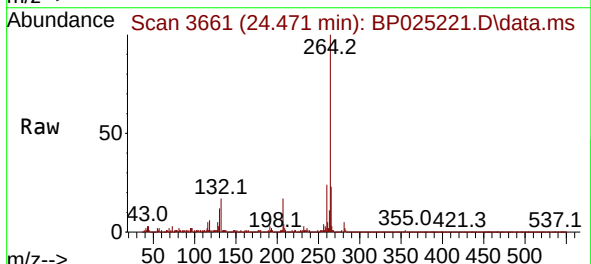
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-37-071725

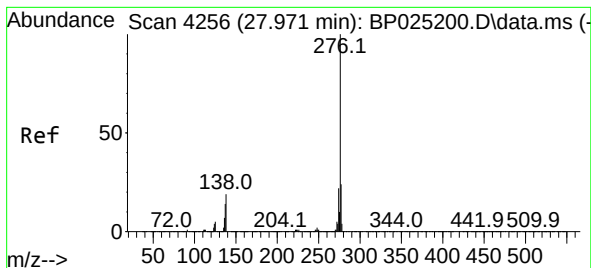
Tgt Ion:149 Resp: 323280
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.6 34.0
 279 5.4 4.0 6.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.471 min Scan# 3661
 Delta R.T. 0.012 min
 Lab File: BP025221.D
 Acq: 23 Jul 2025 12:47

Tgt Ion:264 Resp: 3860163
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.818 ng

RT: 28.012 min Scan# 41

Delta R.T. 0.042 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

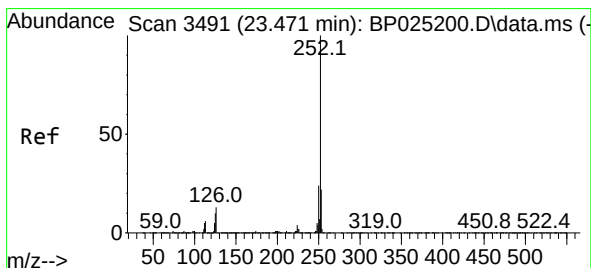
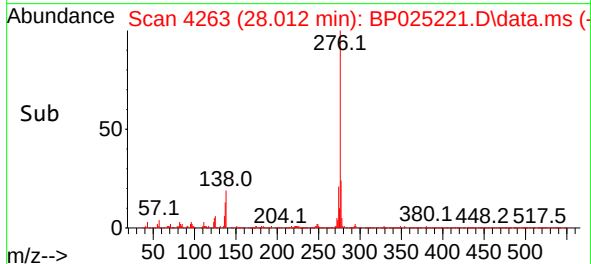
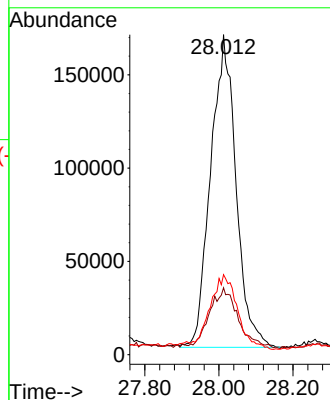
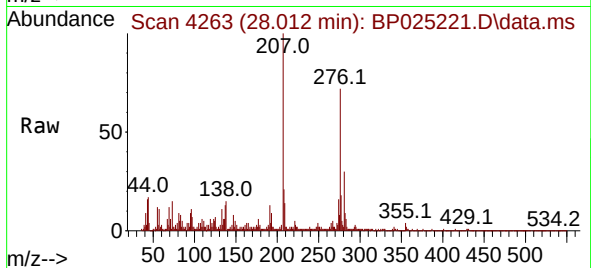
Tgt Ion:276 Resp: 795063

Ion Ratio Lower Upper

276 100

138 22.2 12.8 19.2#

277 25.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.117 ng

RT: 23.495 min Scan# 3495

Delta R.T. 0.024 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

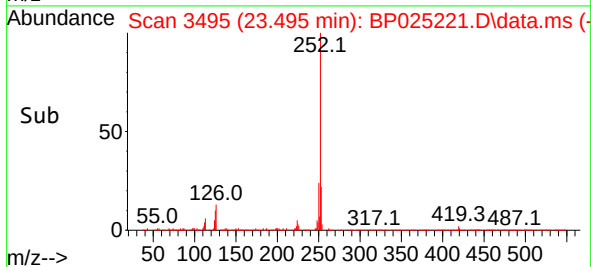
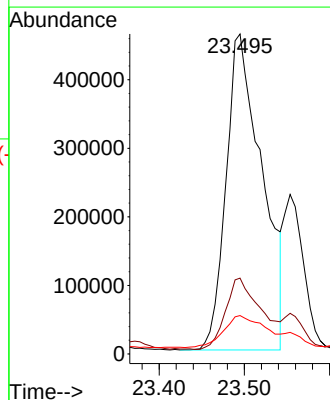
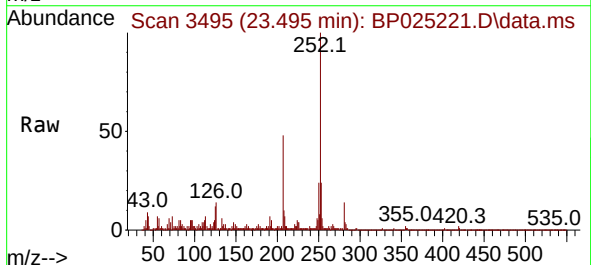
Tgt Ion:252 Resp: 1351598

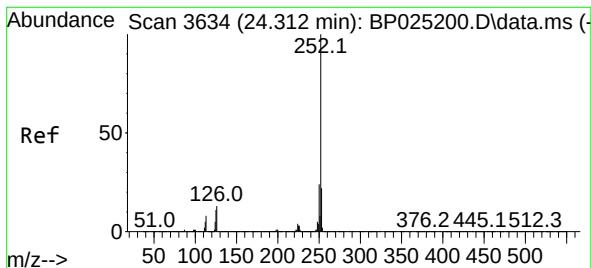
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 12.0 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 5.208 ng

RT: 24.318 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725

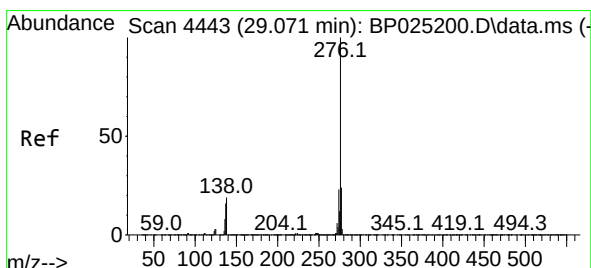
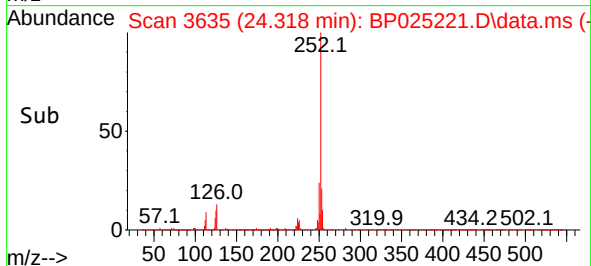
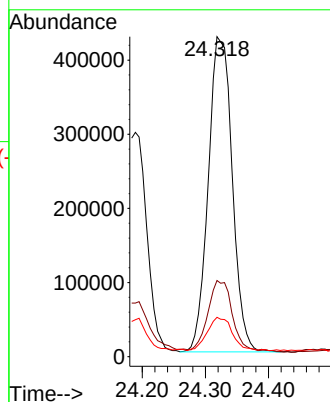
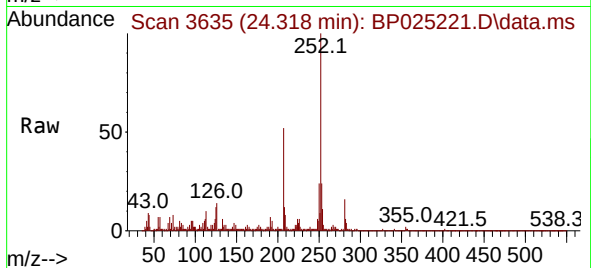
Tgt Ion:252 Resp: 1122675

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 12.3 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 3.571 ng

RT: 29.100 min Scan# 4448

Delta R.T. 0.030 min

Lab File: BP025221.D

Acq: 23 Jul 2025 12:47

Tgt Ion:276 Resp: 807607

Ion Ratio Lower Upper

276 100

277 25.8 19.2 28.8

138 21.7 15.4 23.2

