

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025232.D
 Acq On : 23 Jul 2025 21:01
 Operator : CG/JU
 Sample : Q2638-11RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725RE

Quant Time: Jul 24 01:51:13 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)

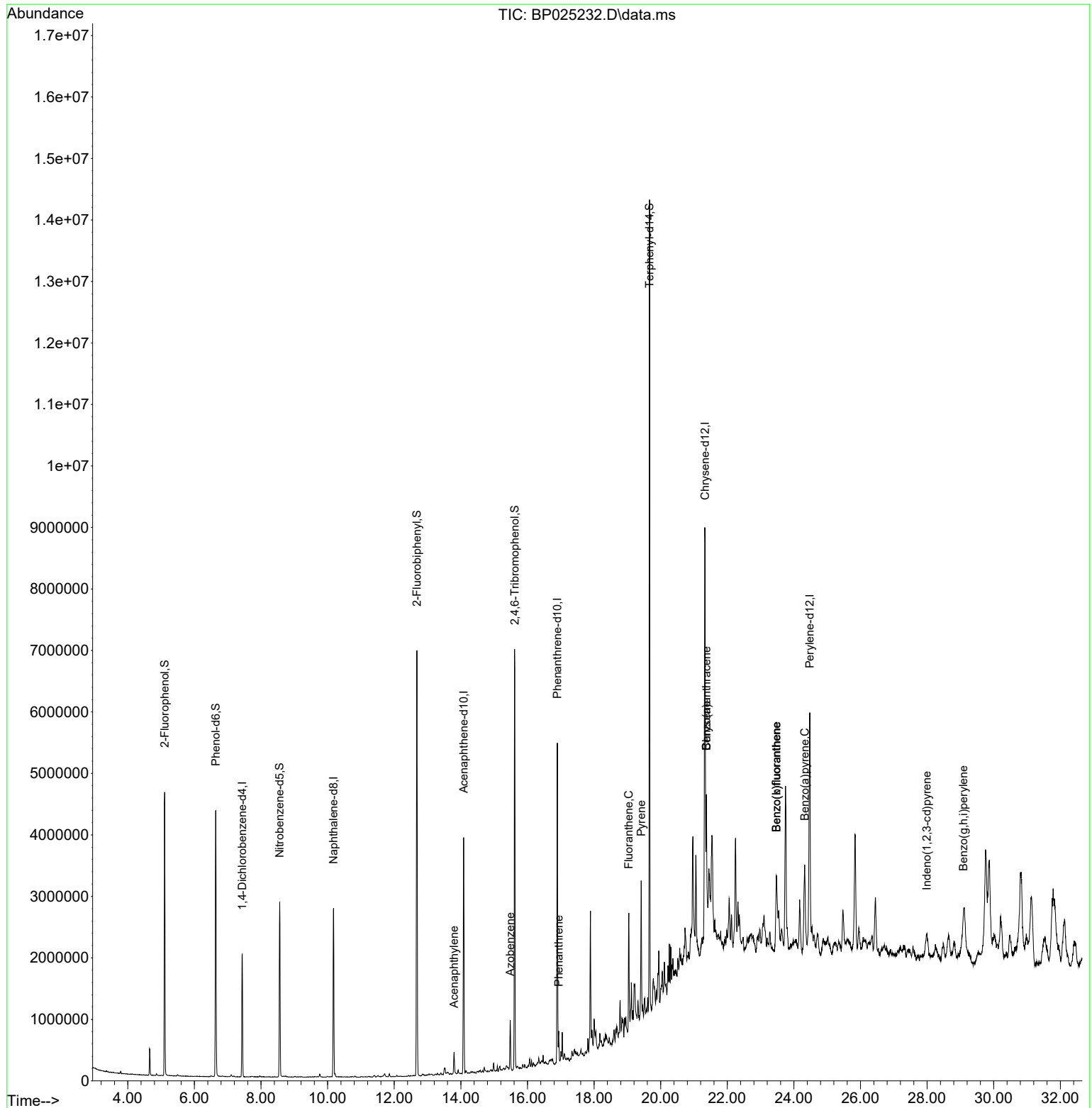
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	575379	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2315413	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1495507	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	2979918	20.000	ng	0.00
76) Chrysene-d12	21.330	240	3088654	20.000	ng	0.00
86) Perylene-d12	24.477	264	3678852	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2082221	61.146	ng	0.00
7) Phenol-d6	6.643	99	2695732	63.916	ng	0.00
23) Nitrobenzene-d5	8.560	82	1654992	39.722	ng	0.00
42) 2,4,6-Tribromophenol	15.619	330	1427688	64.756	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4266265	40.218	ng	0.00
79) Terphenyl-d14	19.666	244	6300995	40.271	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.795	152	306843	2.241	ng	100
63) Azobenzene	15.484	77	217529	2.532	ng	# 1
71) Phenanthrene	16.936	178	343008	2.134	ng	97
75) Fluoranthene	19.042	202	1167720	6.173	ng	100
78) Pyrene	19.413	202	1493709	7.843	ng	98
81) Benzo(a)anthracene	21.371	228	1205052	6.178	ng	94
83) Chrysene	21.371	228	1205052	6.618	ng	97
87) Indeno(1,2,3-cd)pyrene	27.989	276	926563	3.447	ng	# 96
88) Benzo(b)fluoranthene	23.477	252	1483999	7.047	ng	# 97
89) Benzo(k)fluoranthene	23.477	252	1483999	7.138	ng	# 96
90) Benzo(a)pyrene	24.324	252	1283045	6.245	ng	97
92) Benzo(g,h,i)perylene	29.089	276	921401	4.275	ng	99

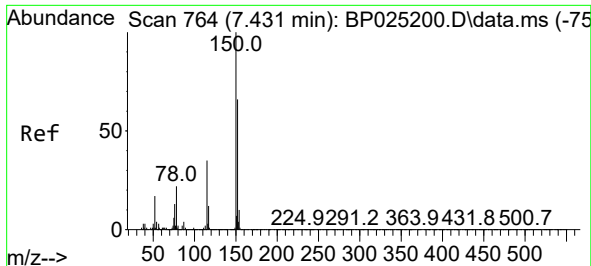
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

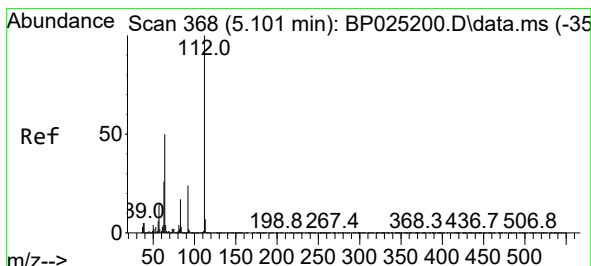
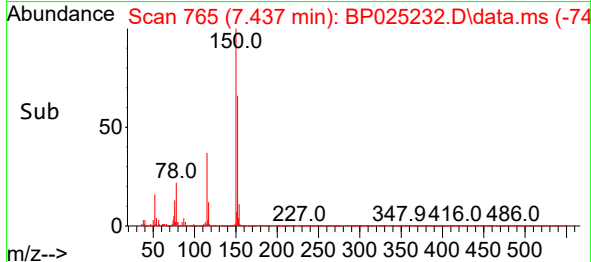
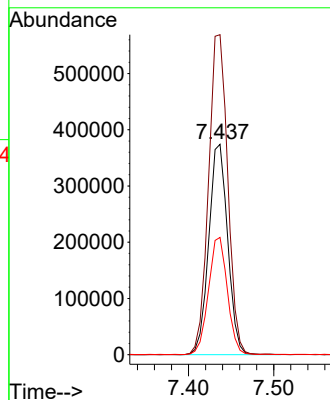
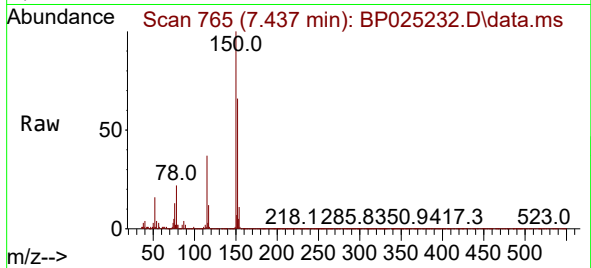




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

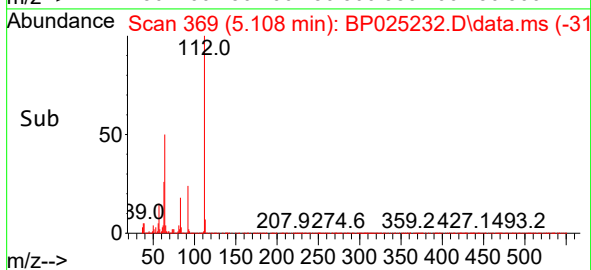
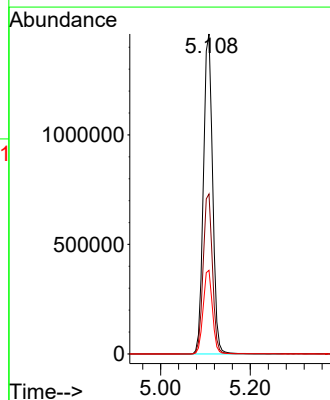
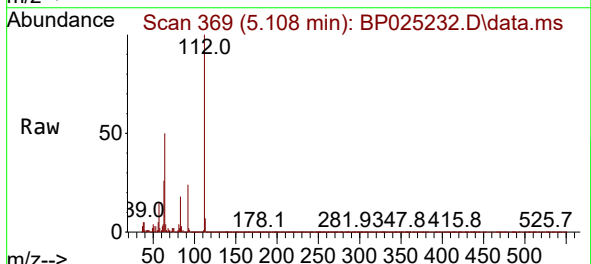
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

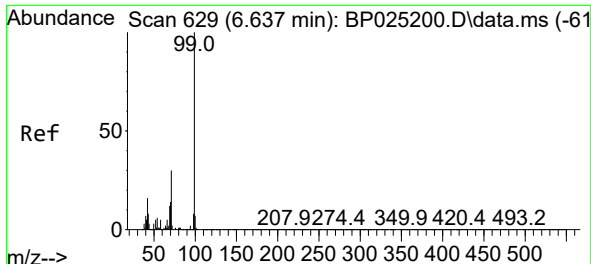
Tgt Ion:152 Resp: 575379
Ion Ratio Lower Upper
152 100
150 152.1 121.9 182.9
115 55.7 43.0 64.6



#5
2-Fluorophenol
Concen: 61.146 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:112 Resp: 2082221
Ion Ratio Lower Upper
112 100
64 50.0 39.8 59.6
63 26.2 20.5 30.7



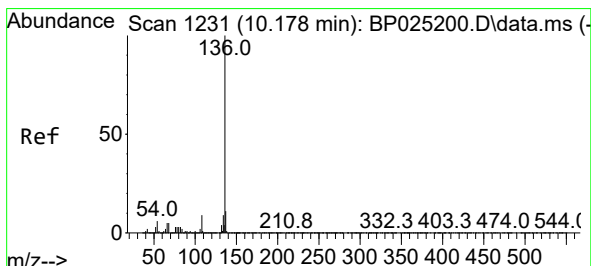
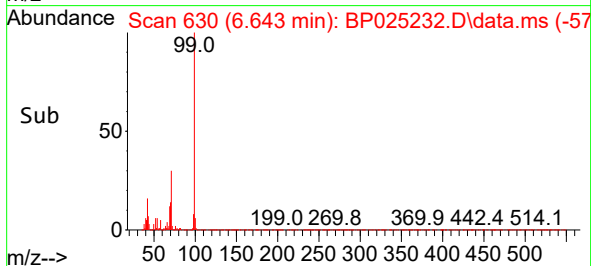
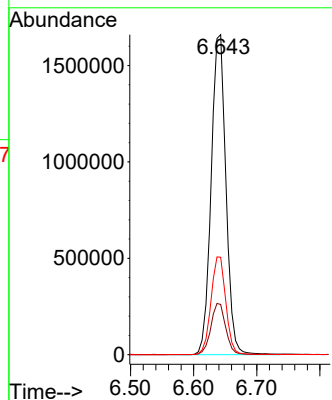
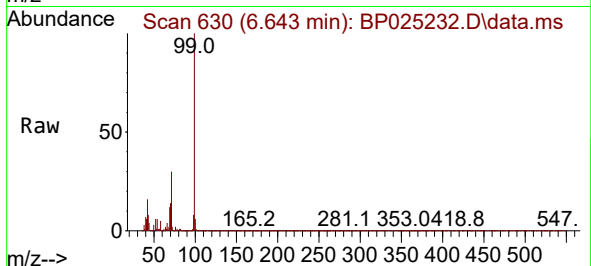


#7
Phenol-d6
Concen: 63.916 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

Tgt Ion: 99 Resp: 2695732

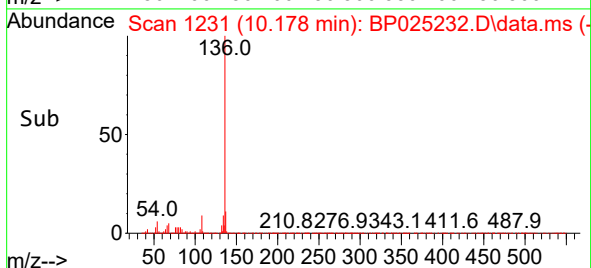
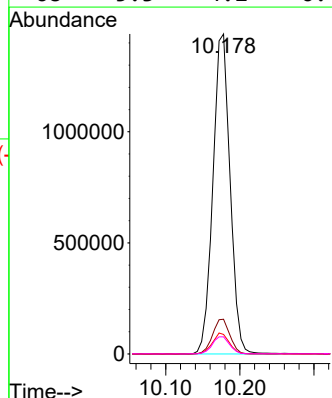
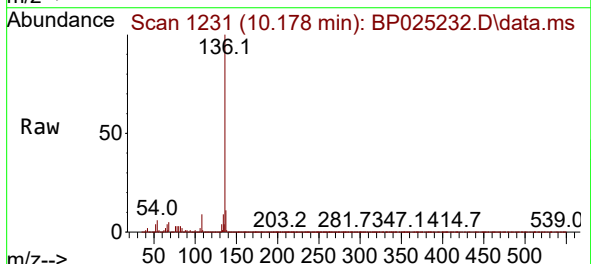
Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.5	18.7
71	30.4	24.2	36.2

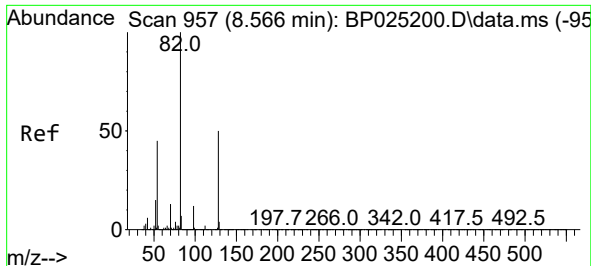


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion: 136 Resp: 2315413

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.1	5.1	7.7
68	5.3	4.2	6.4

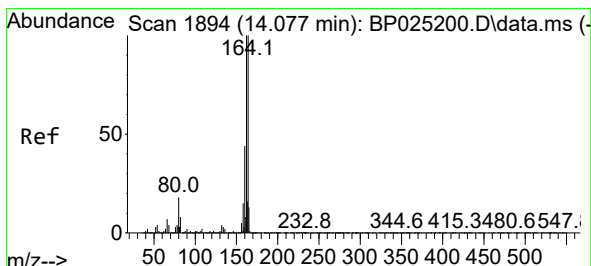
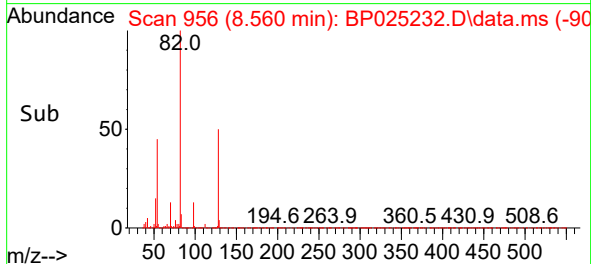
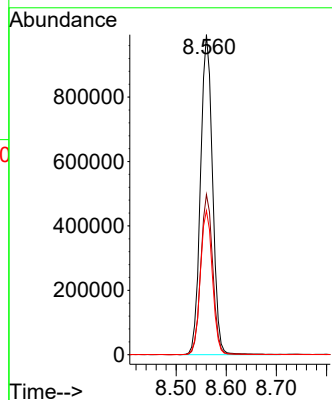
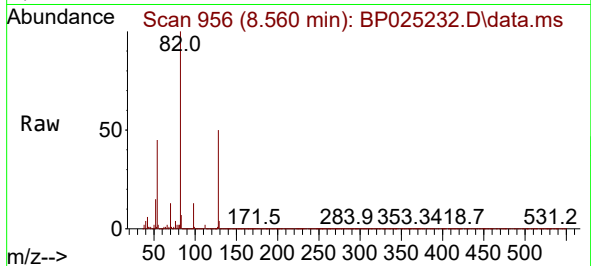




#23
Nitrobenzene-d5
Concen: 39.722 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

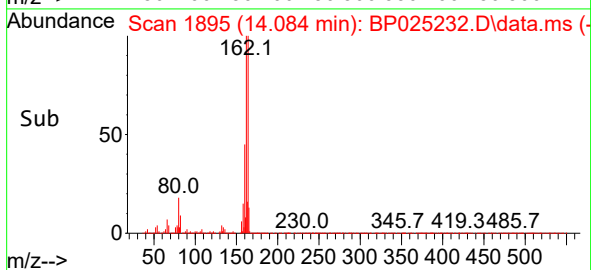
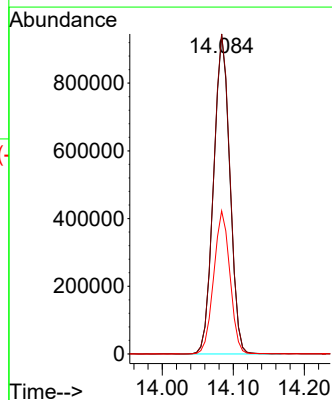
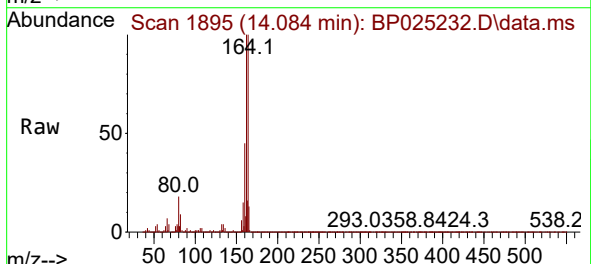
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

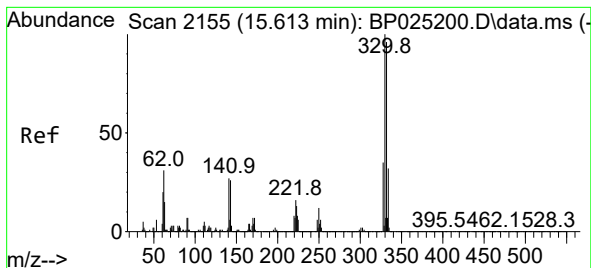
Tgt Ion: 82 Resp: 1654992
Ion Ratio Lower Upper
82 100
128 50.0 40.2 60.4
54 45.0 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:164 Resp: 1495507
Ion Ratio Lower Upper
164 100
162 100.0 80.3 120.5
160 44.7 35.7 53.5

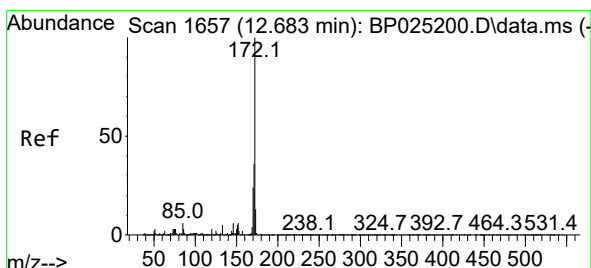
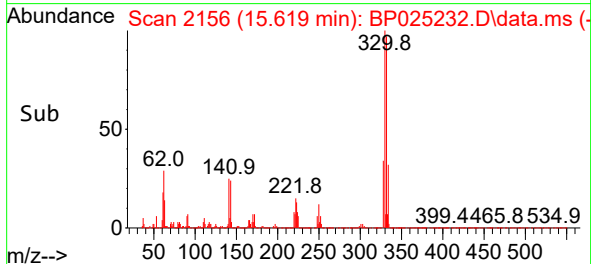
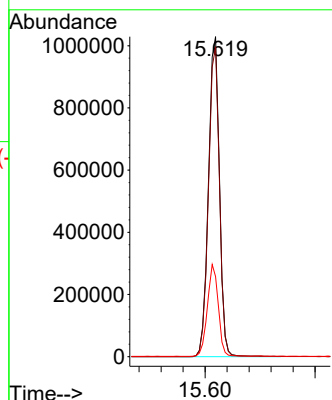
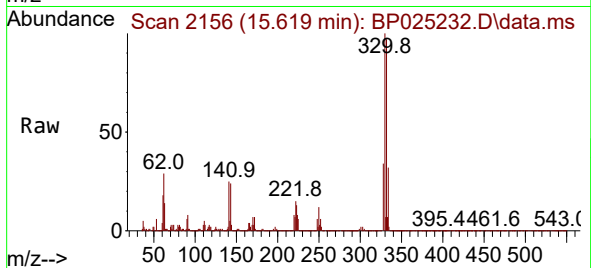




#42
2,4,6-Tribromophenol
Concen: 64.756 ng
RT: 15.619 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

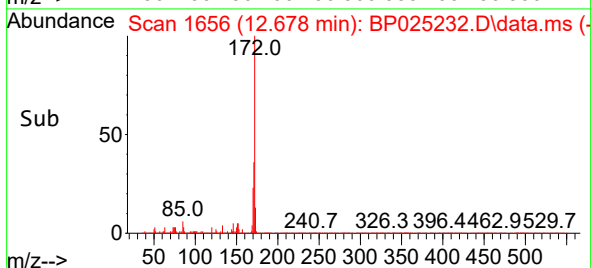
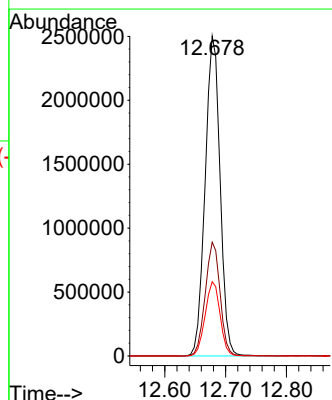
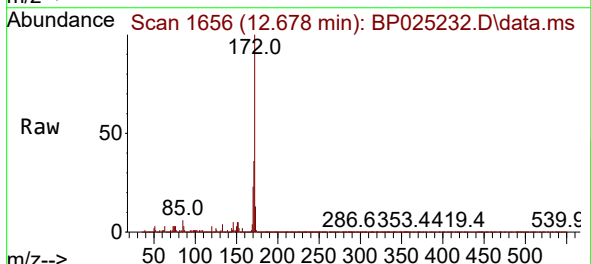
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

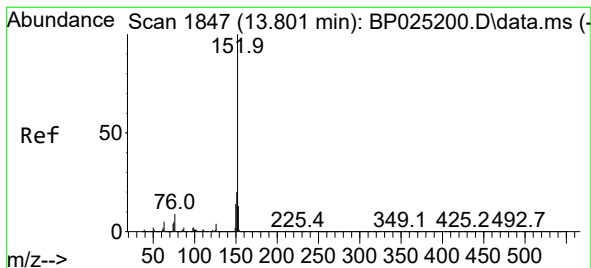
Tgt Ion:330 Resp: 1427688
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 28.3 22.4 33.6



#45
2-Fluorobiphenyl
Concen: 40.218 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:172 Resp: 4266265
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.2 19.2 28.8





#49

Acenaphthylene

Concen: 2.241 ng

RT: 13.795 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

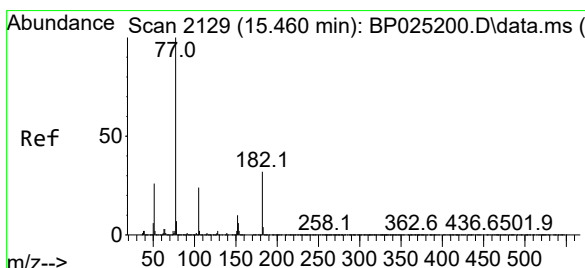
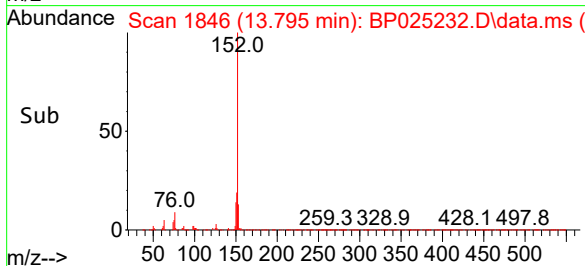
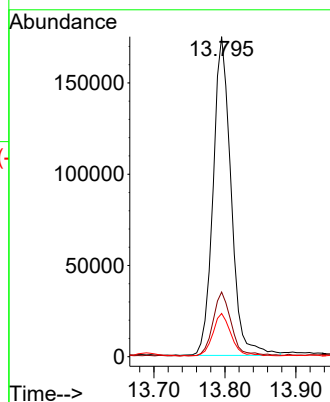
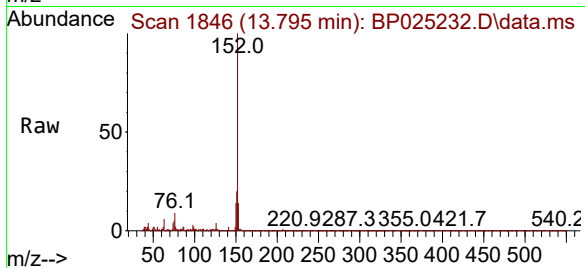
Tgt Ion:152 Resp: 306843

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.5 10.6 15.8



#63

Azobenzene

Concen: 2.532 ng

RT: 15.484 min Scan# 2133

Delta R.T. 0.024 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Tgt Ion: 77 Resp: 217529

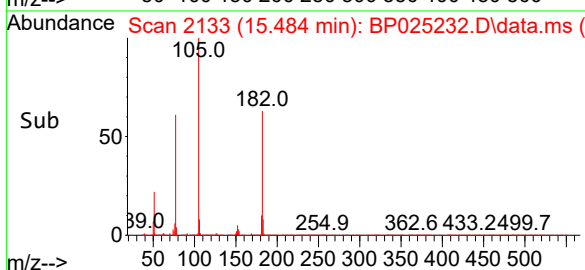
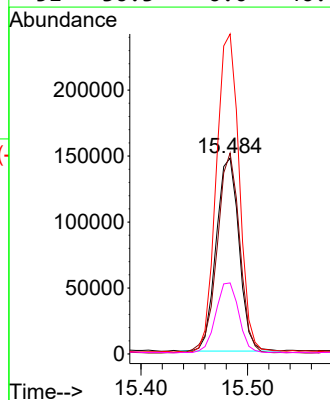
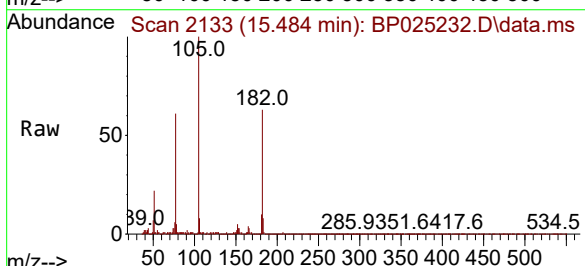
Ion Ratio Lower Upper

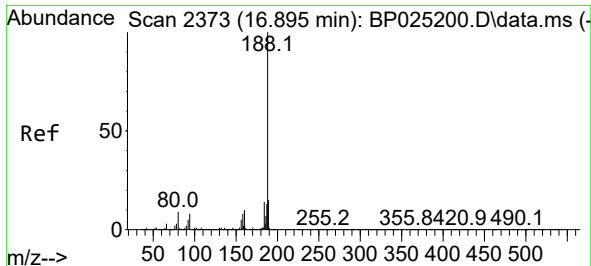
77 100

182 102.6 12.0 52.0#

105 163.4 3.6 43.6#

51 36.3 6.0 46.0

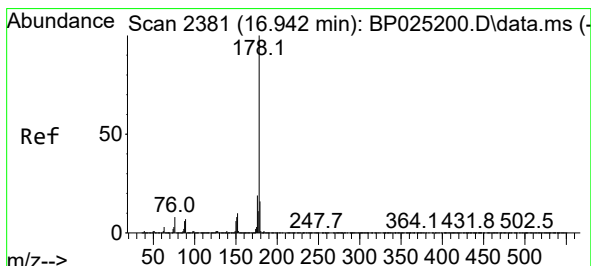
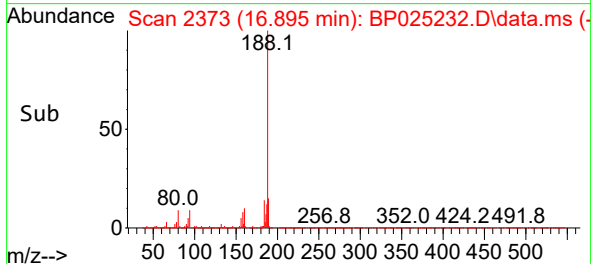
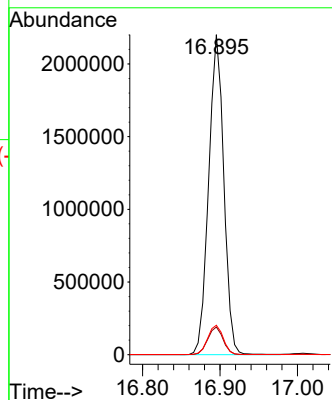
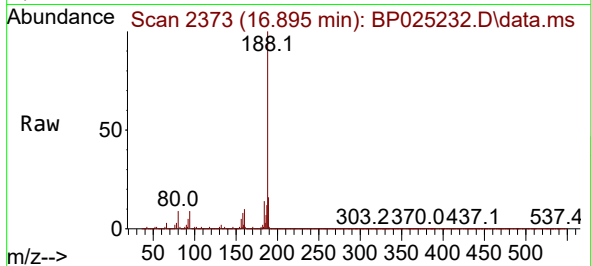




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

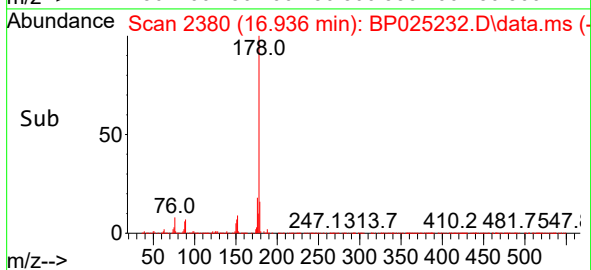
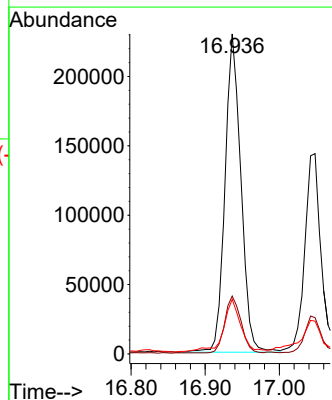
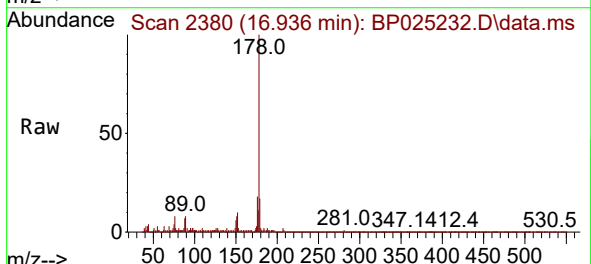
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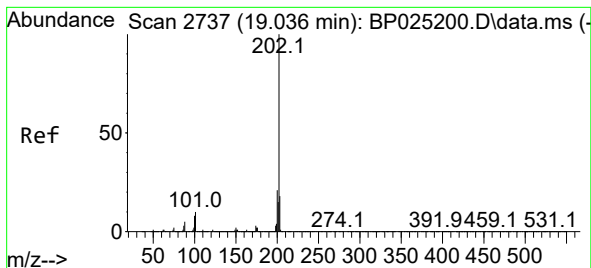
Tgt Ion:188 Resp: 2979918
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.2 7.3 10.9



#71
Phenanthrene
Concen: 2.134 ng
RT: 16.936 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:178 Resp: 343008
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 17.1 12.5 18.7

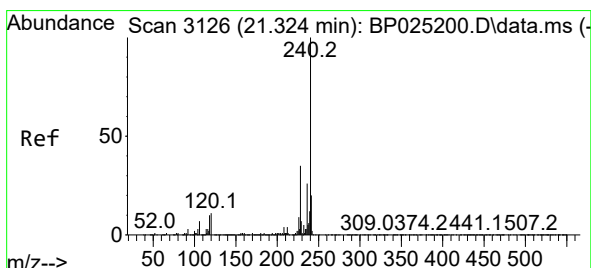
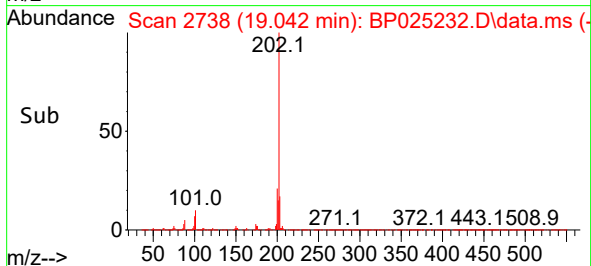
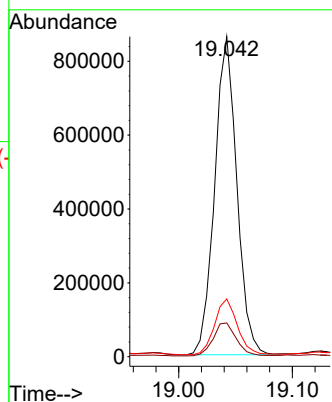
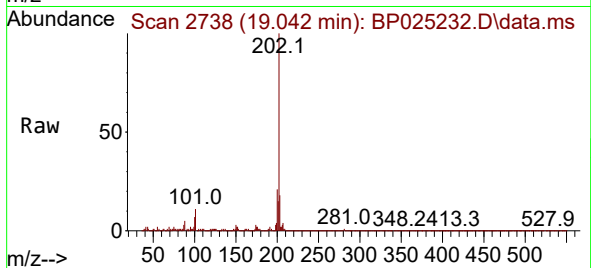




#75
Fluoranthene
Concen: 6.173 ng
RT: 19.042 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

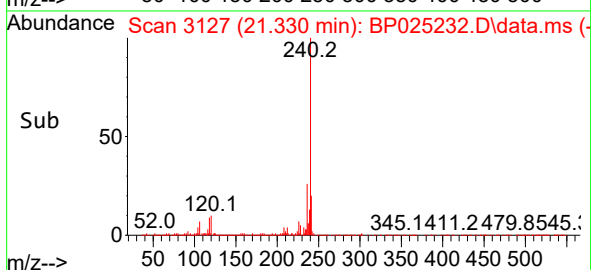
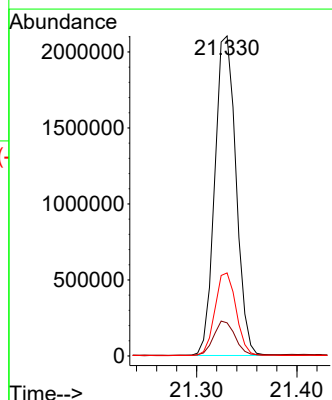
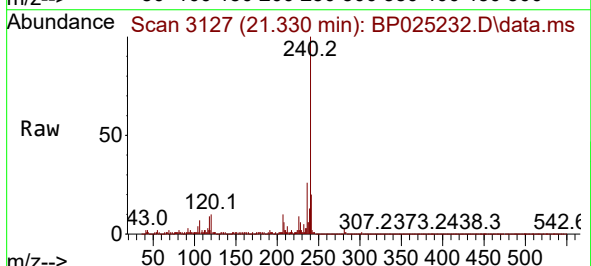
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

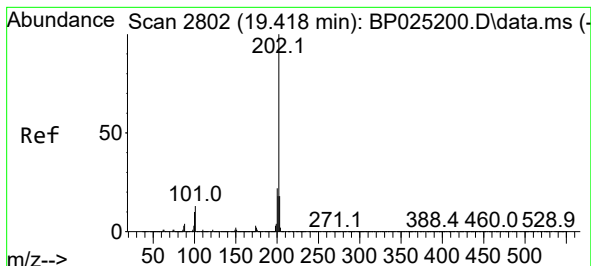
Tgt Ion:202 Resp: 1167720
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.3
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.330 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:240 Resp: 3088654
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 7.843 ng

RT: 19.413 min Scan# 2802

Delta R.T. -0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

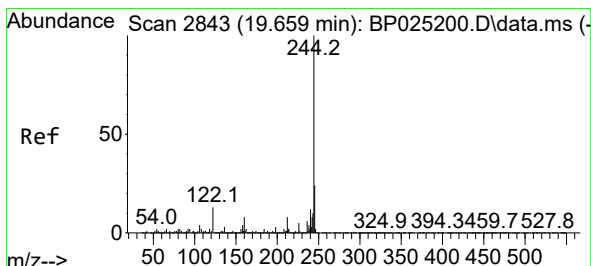
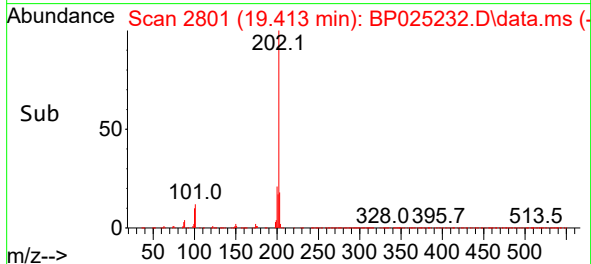
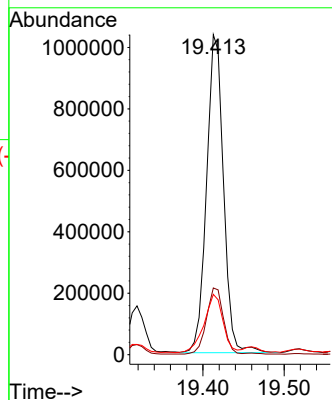
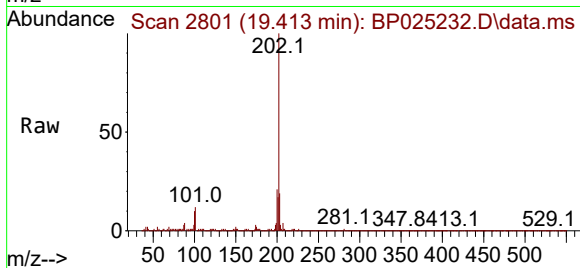
Tgt Ion:202 Resp: 1493709

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 18.8 14.3 21.5



#79

Terphenyl-d14

Concen: 40.271 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

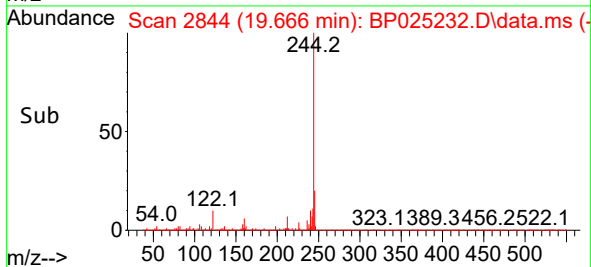
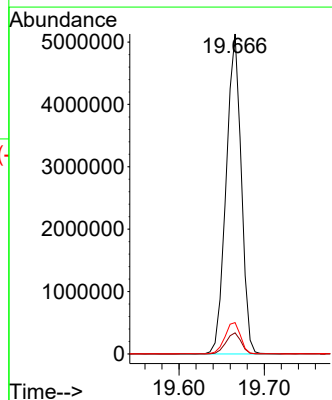
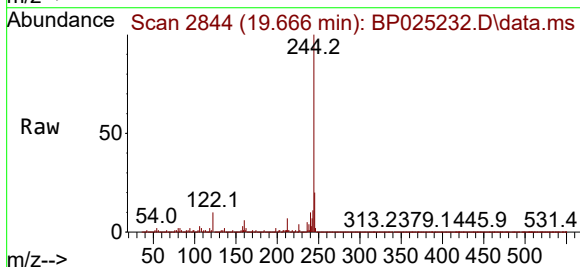
Tgt Ion:244 Resp: 6300995

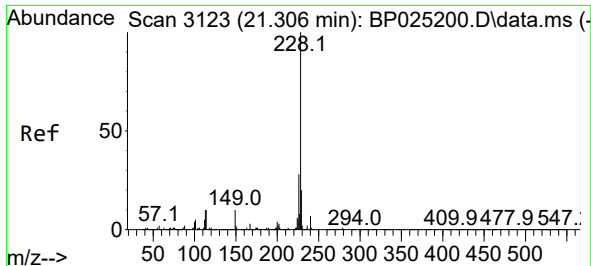
Ion Ratio Lower Upper

244 100

212 6.6 6.6 9.8

122 9.8 10.3 15.5#

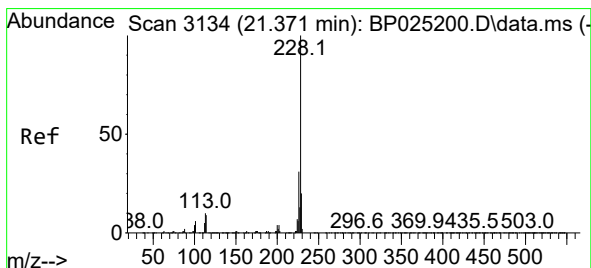
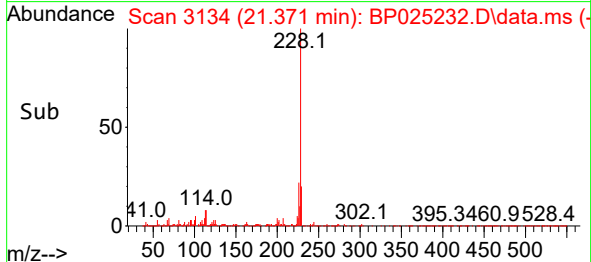
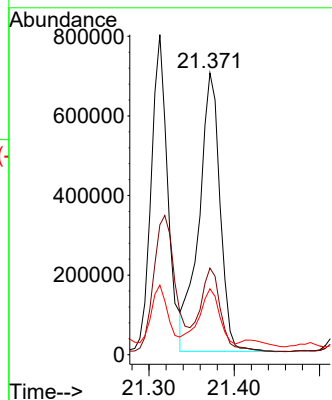
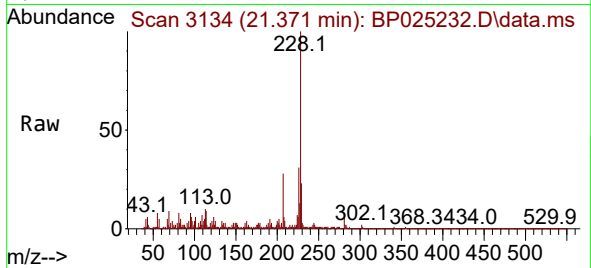




#81
Benzo(a)anthracene
Concen: 6.178 ng
RT: 21.371 min Scan# 3123
Delta R.T. 0.065 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

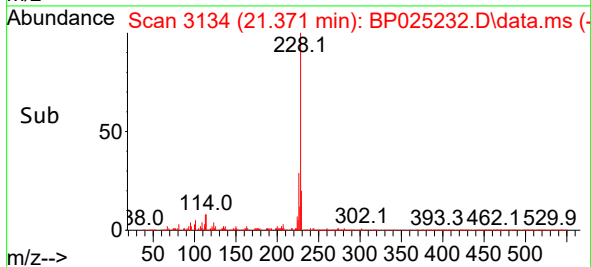
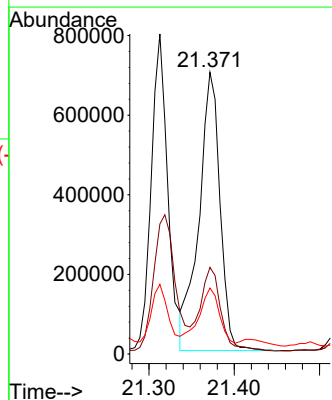
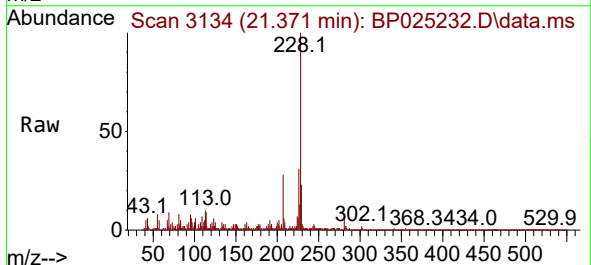
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

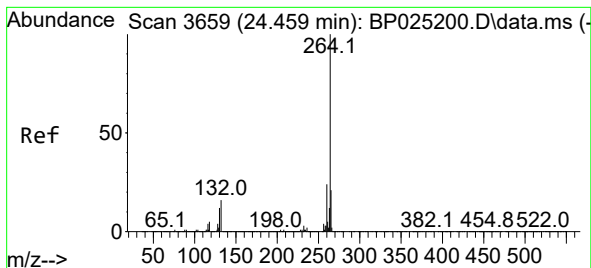
Tgt Ion:228 Resp: 1205052
Ion Ratio Lower Upper
228 100
226 30.7 22.3 33.5
229 23.4 16.2 24.2



#83
Chrysene
Concen: 6.618 ng
RT: 21.371 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP025232.D
Acq: 23 Jul 2025 21:01

Tgt Ion:228 Resp: 1205052
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 23.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

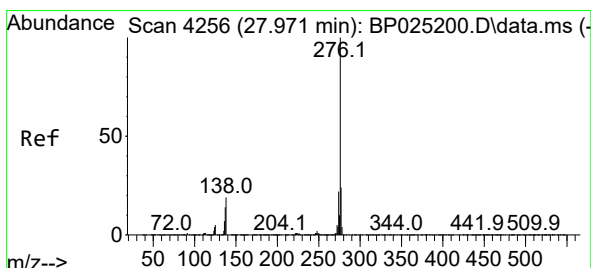
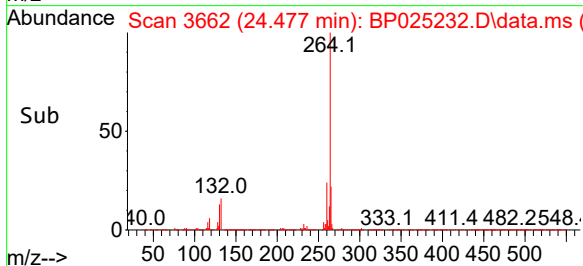
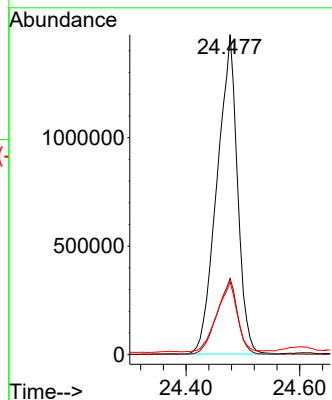
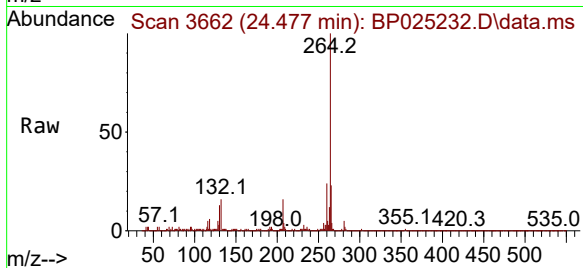
Tgt Ion:264 Resp: 3678852

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 22.8 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.447 ng

RT: 27.989 min Scan# 4259

Delta R.T. 0.018 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

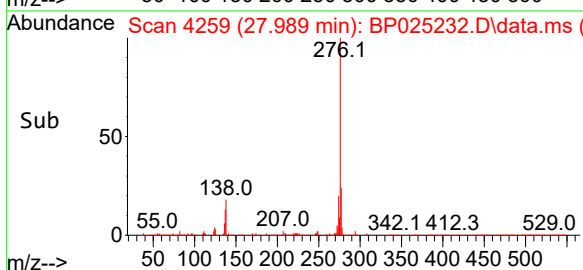
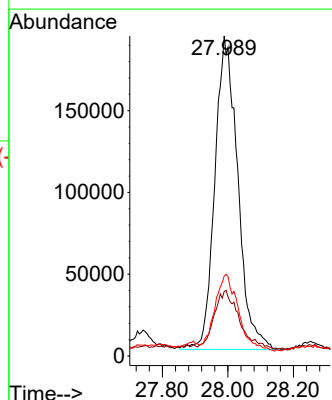
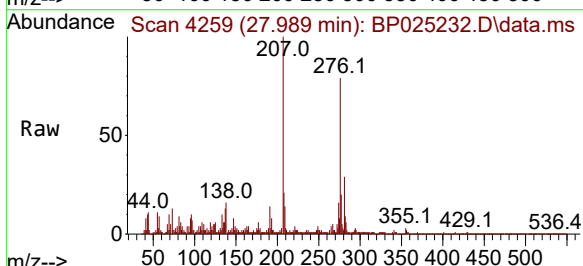
Tgt Ion:276 Resp: 926563

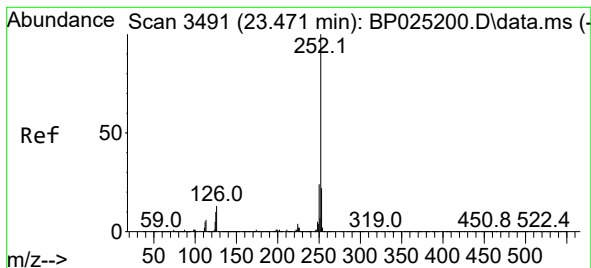
Ion Ratio Lower Upper

276 100

138 20.7 12.8 19.2#

277 25.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.047 ng

RT: 23.477 min Scan# 3491

Delta R.T. 0.006 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

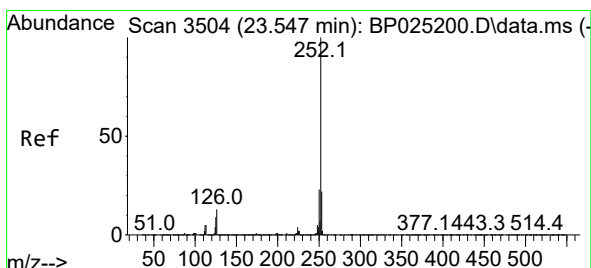
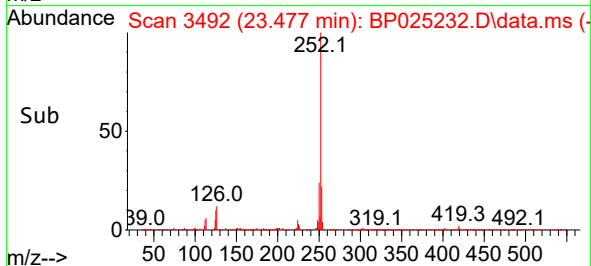
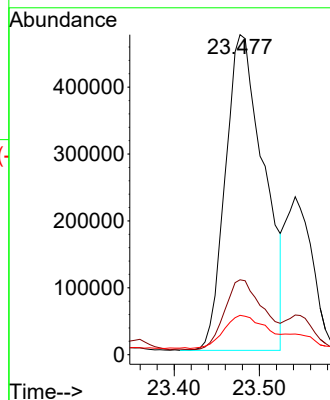
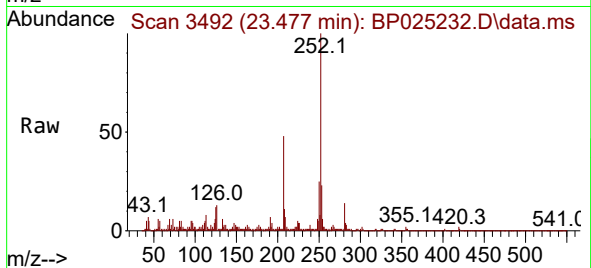
Tgt Ion:252 Resp: 1483999

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 12.3 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 7.138 ng

RT: 23.477 min Scan# 3492

Delta R.T. -0.070 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

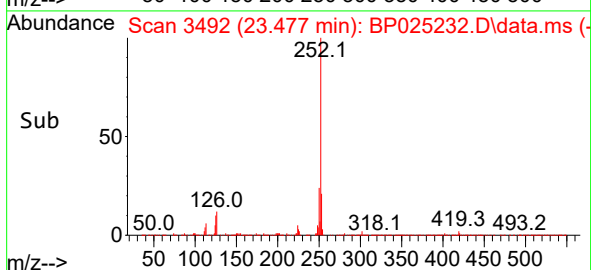
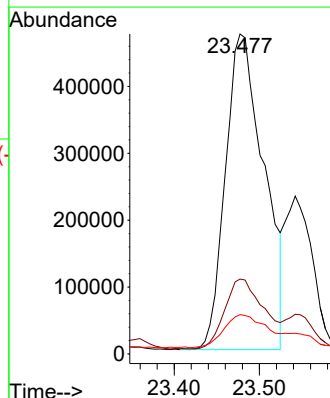
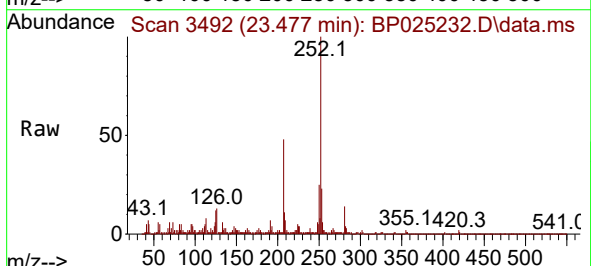
Tgt Ion:252 Resp: 1483999

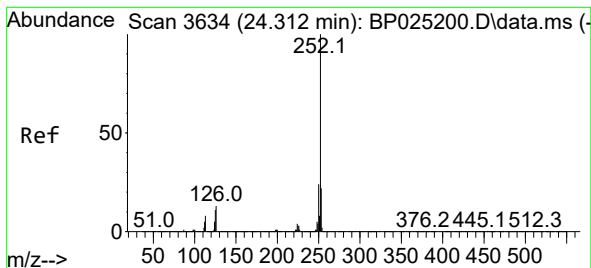
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 12.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.245 ng

RT: 24.324 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

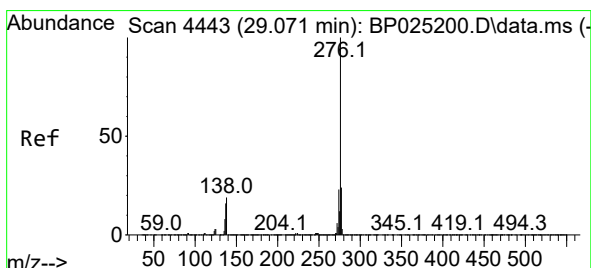
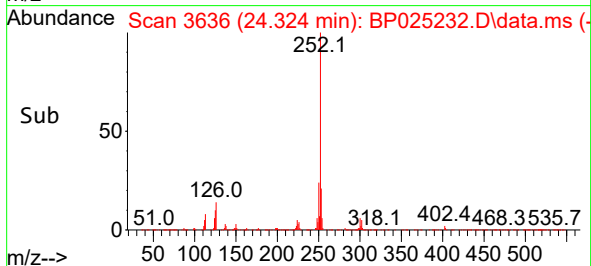
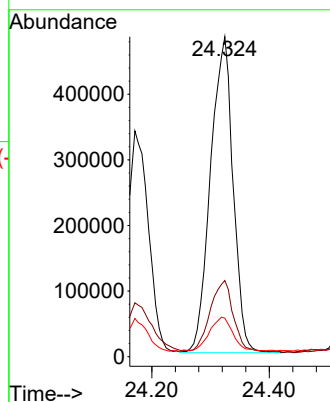
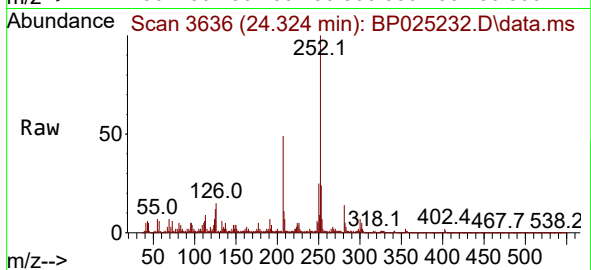
Tgt Ion:252 Resp: 1283045

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 12.1 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 4.275 ng

RT: 29.089 min Scan# 4446

Delta R.T. 0.018 min

Lab File: BP025232.D

Acq: 23 Jul 2025 21:01

Tgt Ion:276 Resp: 921401

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 19.9 15.4 23.2

