

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025230.D
 Acq On : 23 Jul 2025 19:39
 Operator : CG/JU
 Sample : Q2638-13RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 24 01:50:31 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)

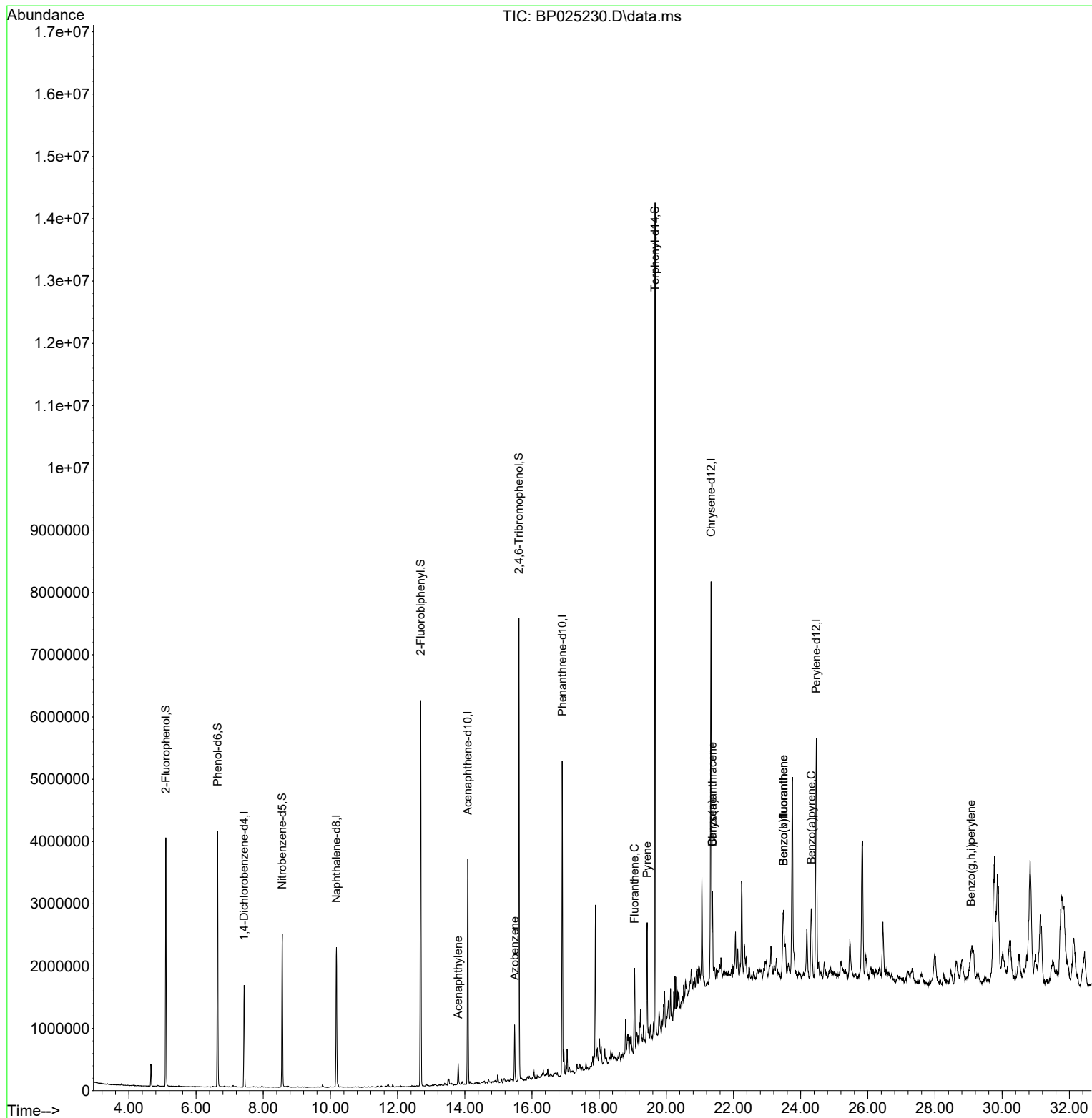
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	476258	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2042219	20.000	ng	0.00
39) Acenaphthene-d10	14.090	164	1447501	20.000	ng	0.01
64) Phenanthrene-d10	16.901	188	3013486	20.000	ng	0.00
76) Chrysene-d12	21.330	240	3123592	20.000	ng	0.00
86) Perylene-d12	24.466	264	3621930	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	1756713	62.324	ng	0.00
7) Phenol-d6	6.637	99	2355999	67.486	ng	0.00
23) Nitrobenzene-d5	8.566	82	1430509	38.927	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1411178	66.130	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	3860254	37.597	ng	0.00
79) Terphenyl-d14	19.666	244	6284821	39.718	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.801	152	280036	2.113	ng	99
63) Azobenzene	15.484	77	245985	2.958	ng	# 1
75) Fluoranthene	19.054	202	1022203	5.344	ng	99
78) Pyrene	19.431	202	1293283	6.715	ng	98
81) Benzo(a)anthracene	21.372	228	948972	4.811	ng	93
83) Chrysene	21.372	228	948972	5.154	ng	96
88) Benzo(b)fluoranthene	23.489	252	1246129	6.011	ng	# 94
89) Benzo(k)fluoranthene	23.489	252	1246129	6.088	ng	# 94
90) Benzo(a)pyrene	24.319	252	1063421	5.257	ng	97
92) Benzo(g,h,i)perylene	29.077	276	760230	3.582	ng	97

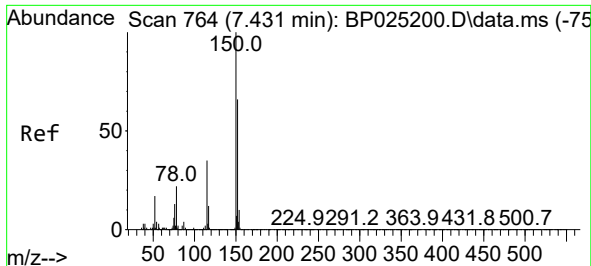
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
Response via : Initial Calibration

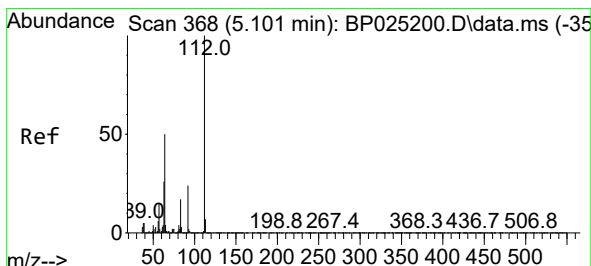
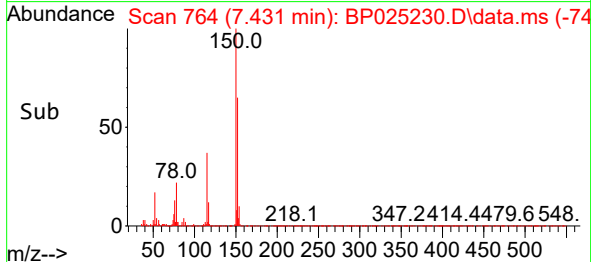
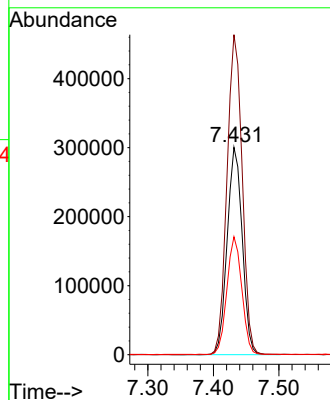
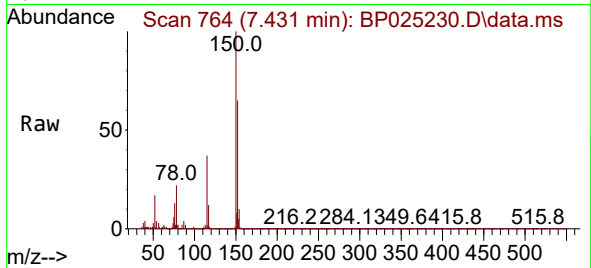




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.431 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: BP025230.D
 Acq: 23 Jul 2025 19:39

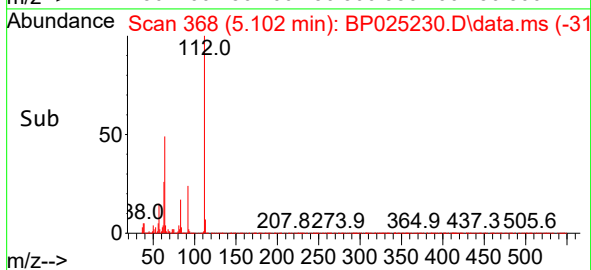
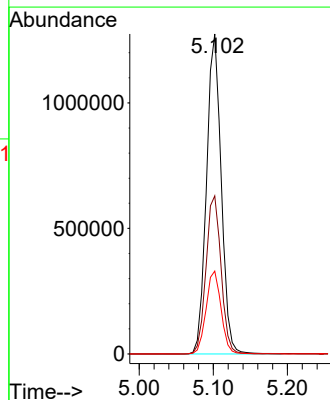
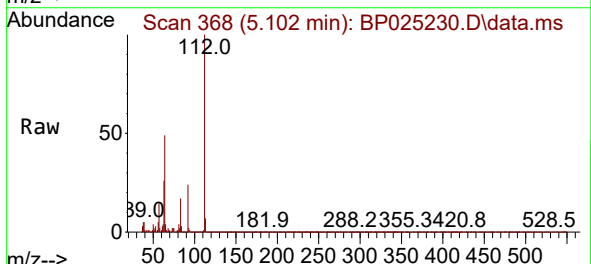
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-37-071725RE

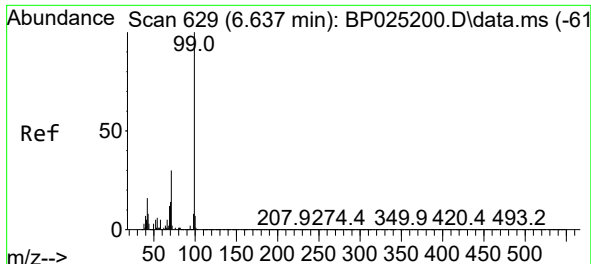
Tgt Ion:152 Resp: 476258
 Ion Ratio Lower Upper
 152 100
 150 154.3 121.9 182.9
 115 56.9 43.0 64.6



#5
 2-Fluorophenol
 Concen: 62.324 ng
 RT: 5.102 min Scan# 368
 Delta R.T. 0.001 min
 Lab File: BP025230.D
 Acq: 23 Jul 2025 19:39

Tgt Ion:112 Resp: 1756713
 Ion Ratio Lower Upper
 112 100
 64 49.4 39.8 59.6
 63 25.9 20.5 30.7

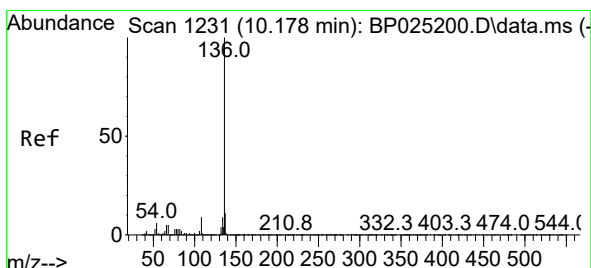
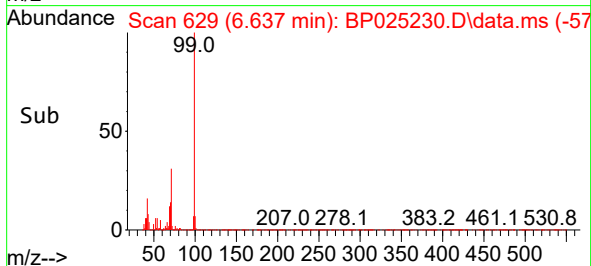
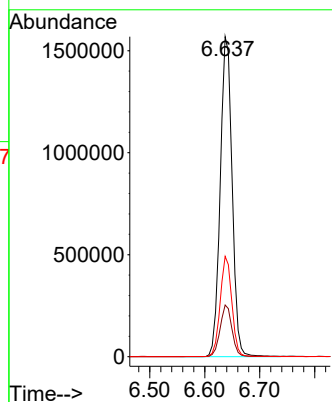
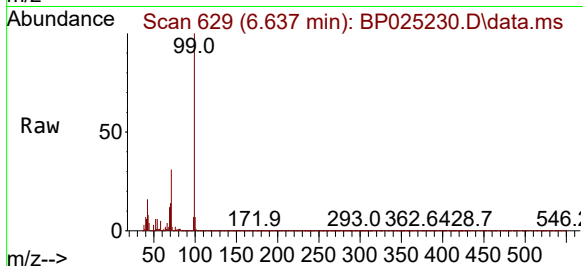




#7
Phenol-d6
Concen: 67.486 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.001 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

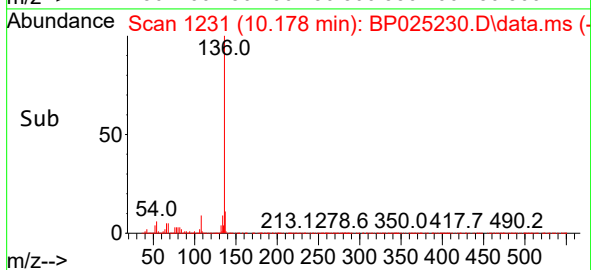
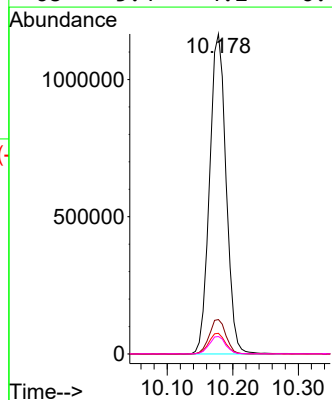
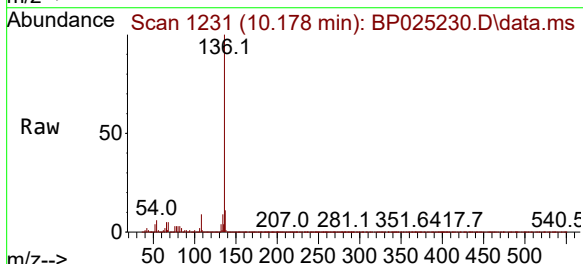
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725RE

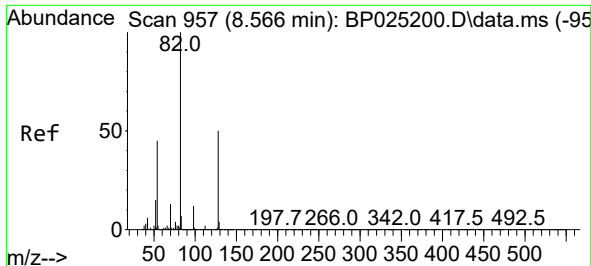
Tgt Ion: 99 Resp: 2355999
Ion Ratio Lower Upper
99 100
42 16.1 12.5 18.7
71 31.4 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.001 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

Tgt Ion:136 Resp: 2042219
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.4 5.1 7.7
68 5.4 4.2 6.4

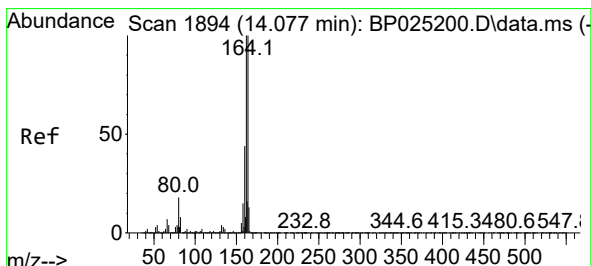
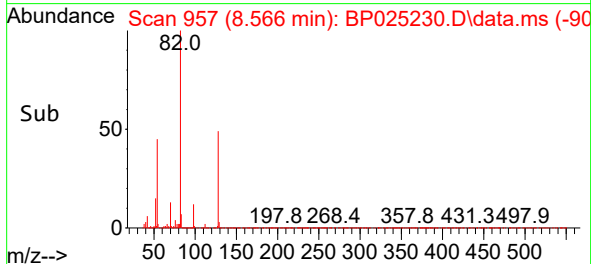
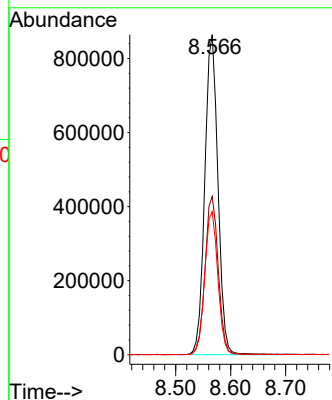
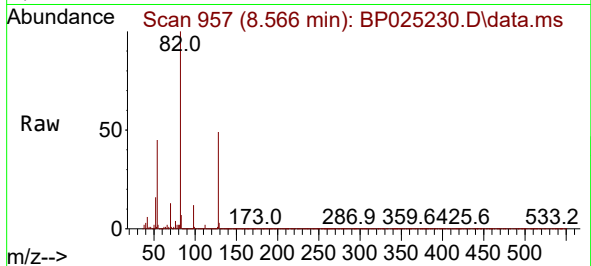




#23
Nitrobenzene-d5
Concen: 38.927 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.001 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

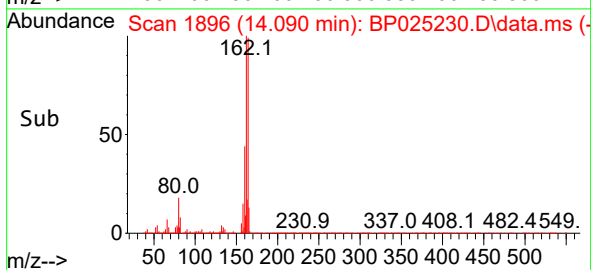
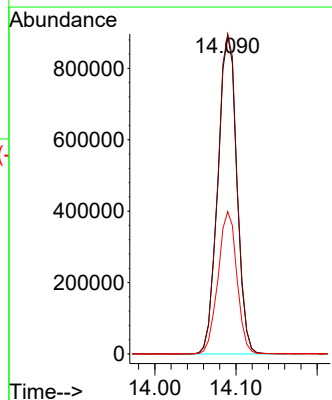
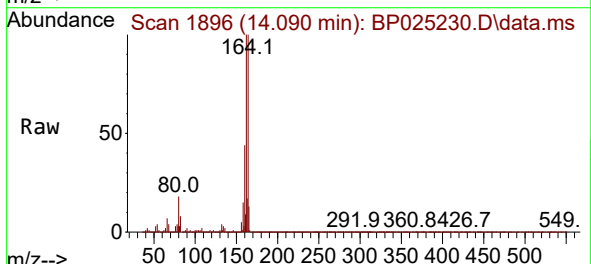
Instrument :
BNA_P
ClientSampleId :
OU4-TS-37-071725RE

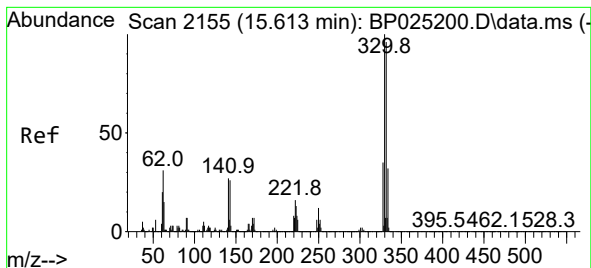
Tgt Ion: 82 Resp: 1430509
Ion Ratio Lower Upper
82 100
128 49.4 40.2 60.4
54 44.7 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.090 min Scan# 1896
Delta R.T. 0.012 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

Tgt Ion:164 Resp: 1447501
Ion Ratio Lower Upper
164 100
162 100.5 80.3 120.5
160 44.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 66.130 ng

RT: 15.613 min Scan# 2155

Delta R.T. 0.001 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

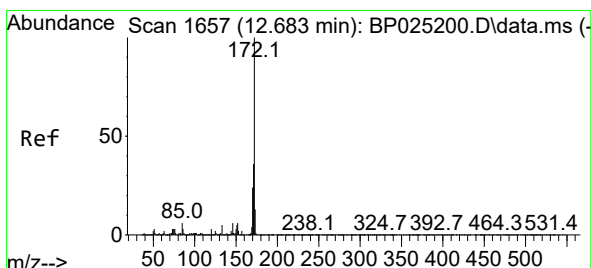
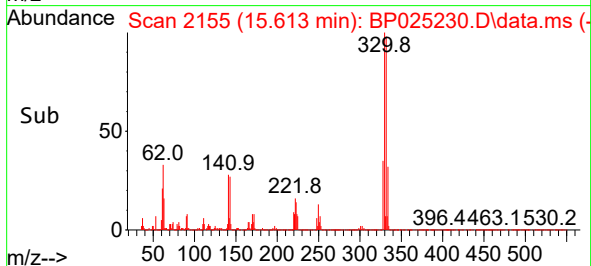
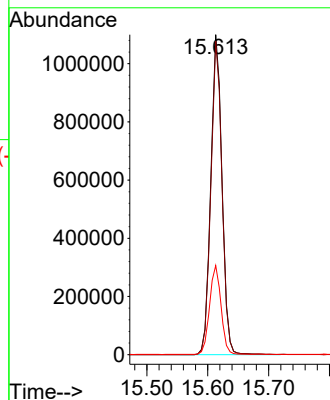
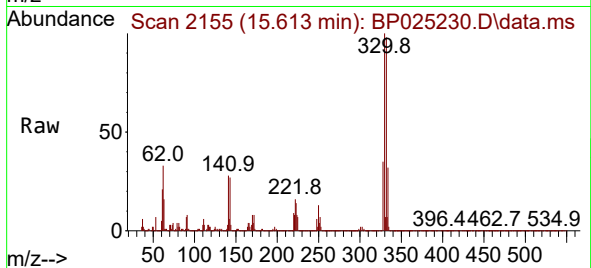
Tgt Ion:330 Resp: 1411178

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 28.2 22.4 33.6



#45

2-Fluorobiphenyl

Concen: 37.597 ng

RT: 12.684 min Scan# 1657

Delta R.T. 0.001 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

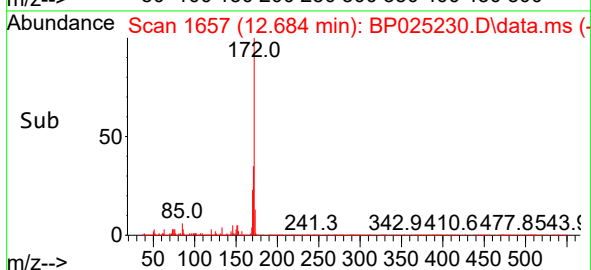
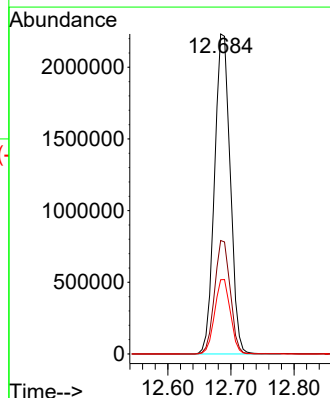
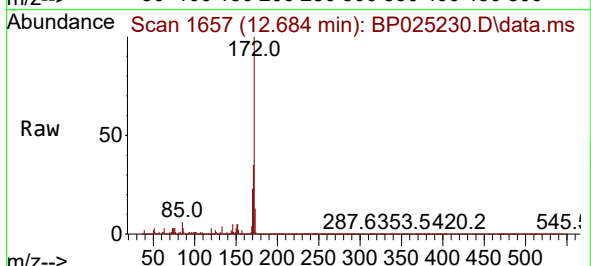
Tgt Ion:172 Resp: 3860254

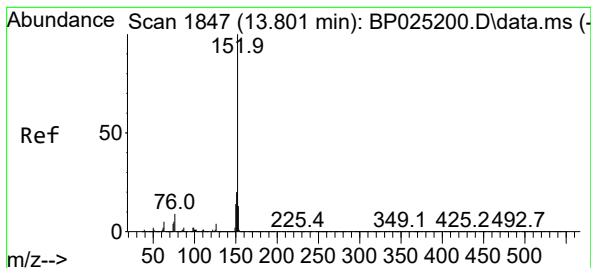
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.2 19.2 28.8





#49

Acenaphthylene

Concen: 2.113 ng

RT: 13.801 min Scan# 11

Delta R.T. 0.001 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

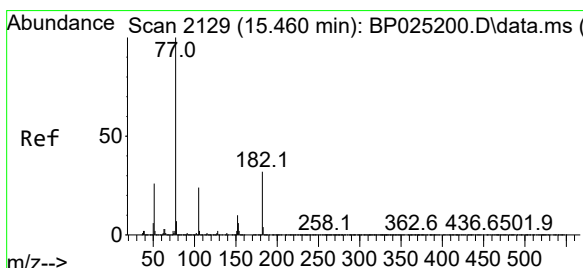
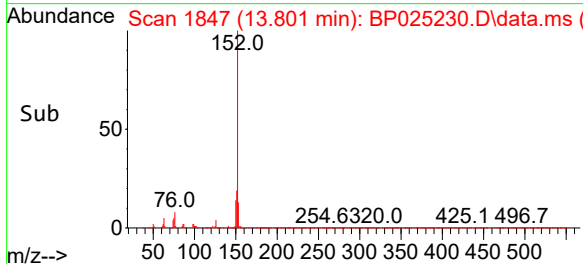
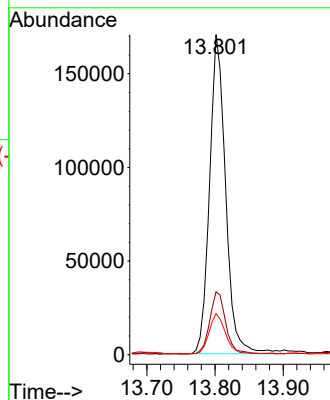
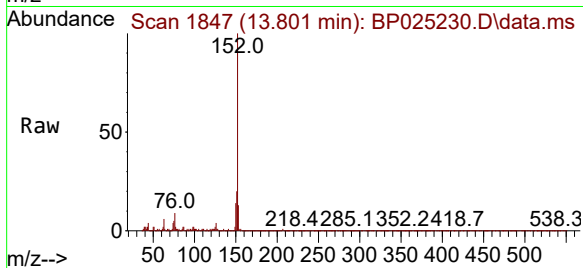
Tgt Ion:152 Resp: 280036

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 12.8 10.6 15.8



#63

Azobenzene

Concen: 2.958 ng

RT: 15.484 min Scan# 2133

Delta R.T. 0.024 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Tgt Ion: 77 Resp: 245985

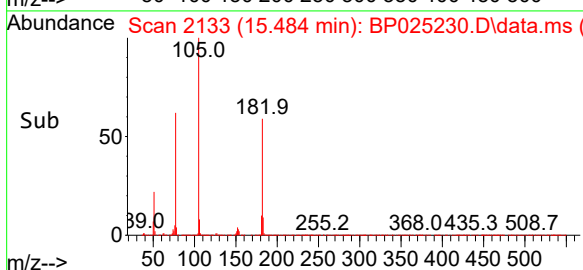
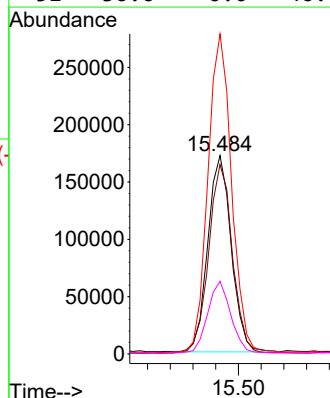
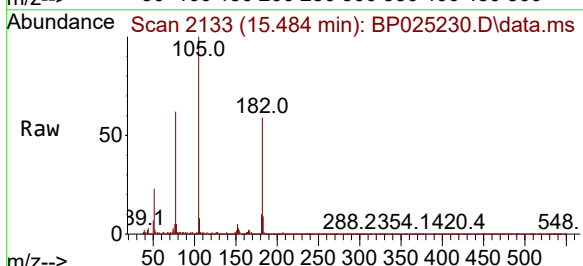
Ion Ratio Lower Upper

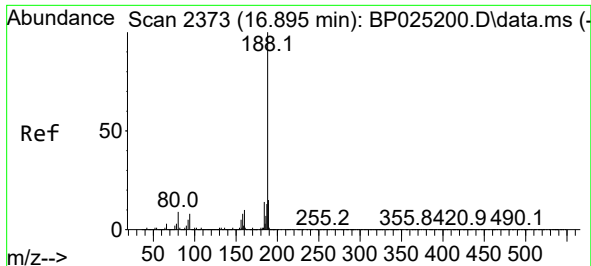
77 100

182 95.5 12.0 52.0#

105 161.3 3.6 43.6#

51 36.6 6.0 46.0

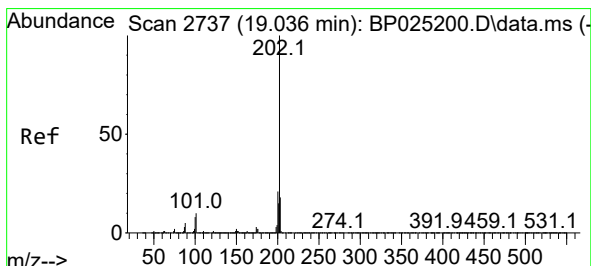
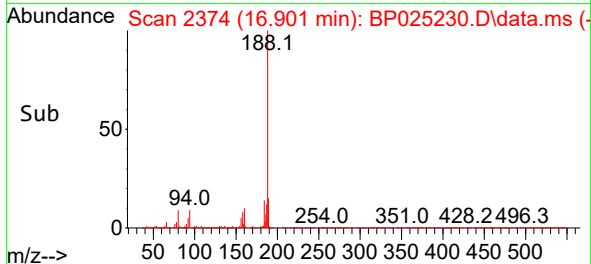
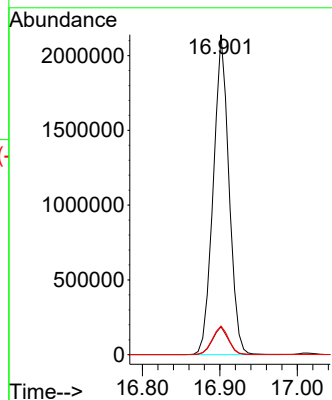
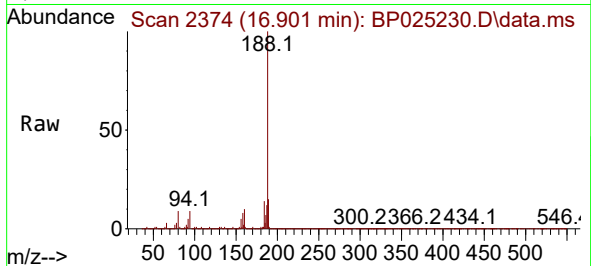




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

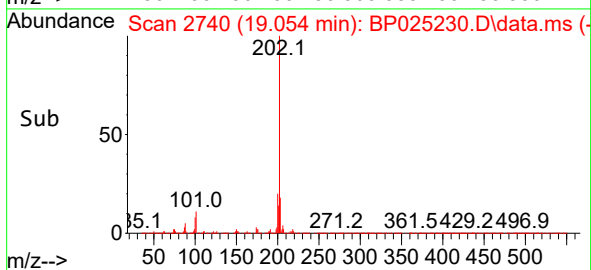
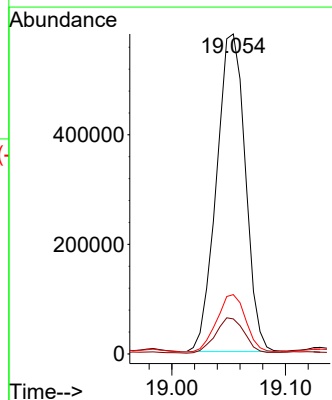
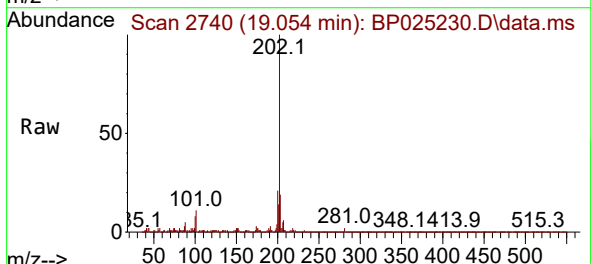
Instrument :
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OU4-TS-37-071725RE

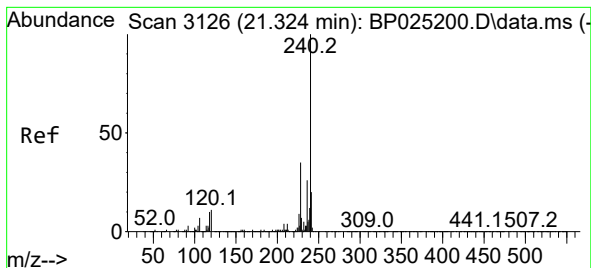
Tgt Ion:188 Resp: 3013486
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 8.9 7.3 10.9



#75
Fluoranthene
Concen: 5.344 ng
RT: 19.054 min Scan# 2740
Delta R.T. 0.018 min
Lab File: BP025230.D
Acq: 23 Jul 2025 19:39

Tgt Ion:202 Resp: 1022203
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.3
203 18.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.330 min Scan# 3126

Delta R.T. 0.006 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

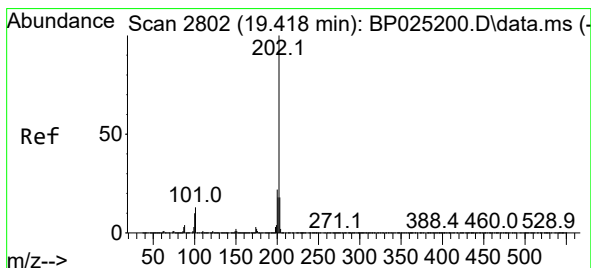
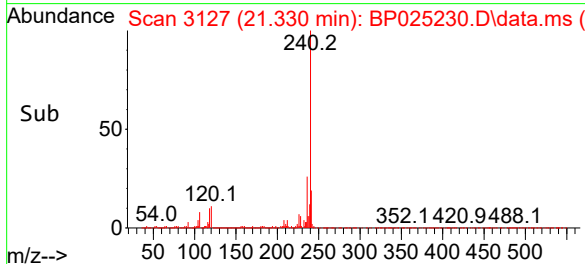
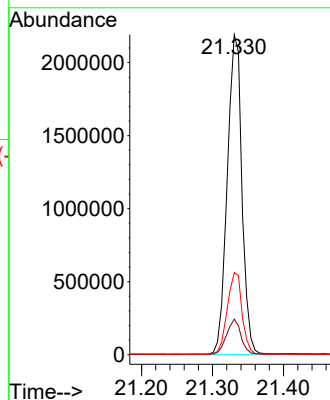
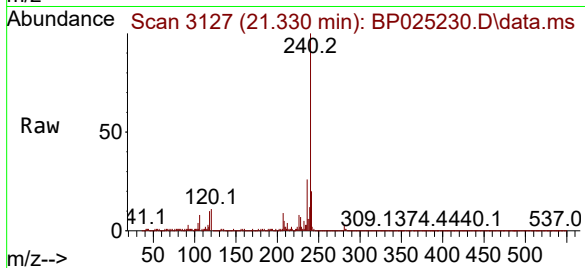
Tgt Ion:240 Resp: 3123592

Ion Ratio Lower Upper

240 100

120 11.1 8.8 13.2

236 25.7 20.9 31.3



#78

Pyrene

Concen: 6.715 ng

RT: 19.431 min Scan# 2804

Delta R.T. 0.012 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

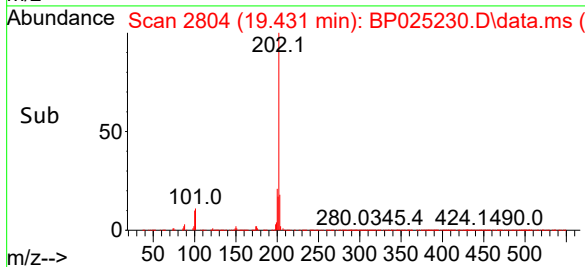
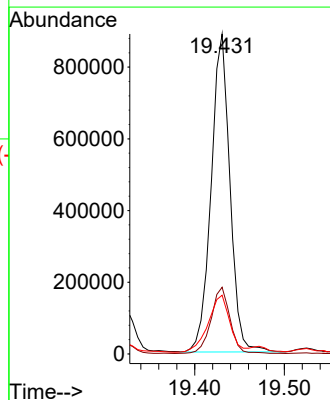
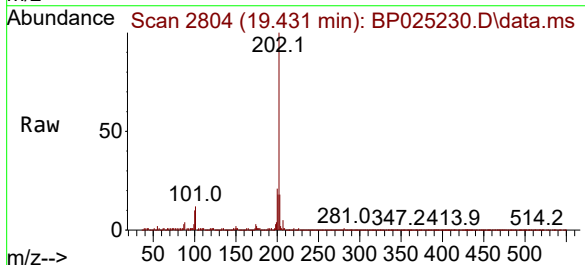
Tgt Ion:202 Resp: 1293283

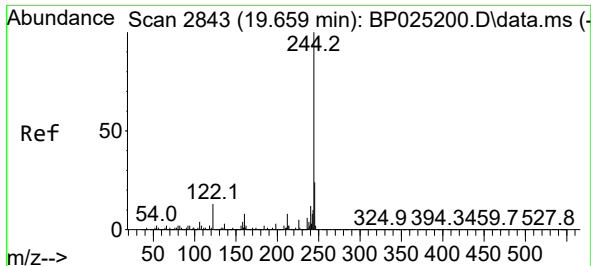
Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

203 18.4 14.3 21.5

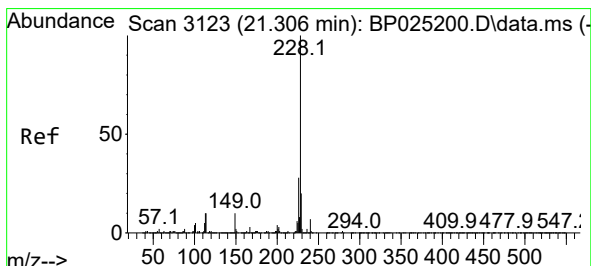
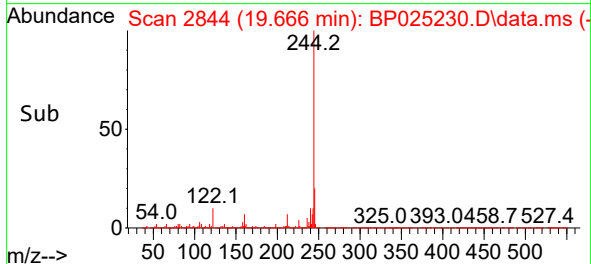
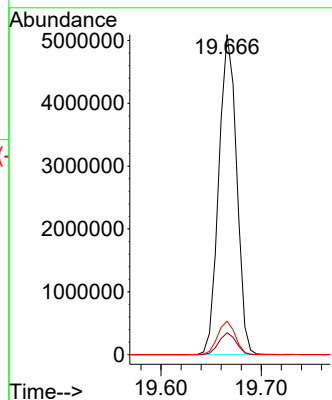
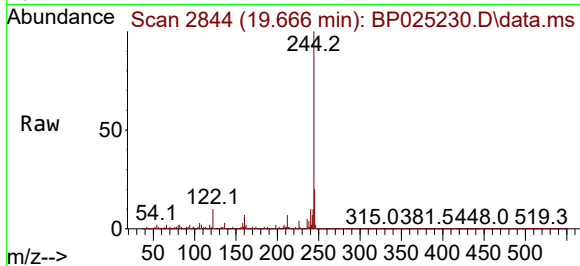




#79
 Terphenyl-d14
 Concen: 39.718 ng
 RT: 19.666 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BP025230.D
 Acq: 23 Jul 2025 19:39

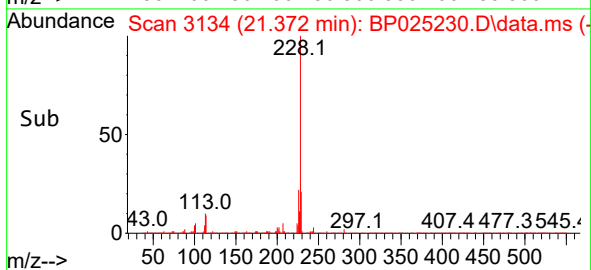
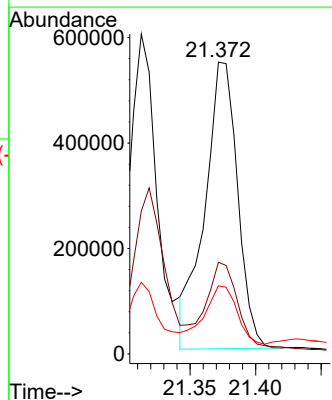
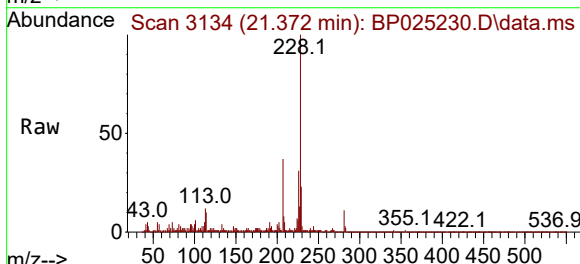
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-37-071725RE

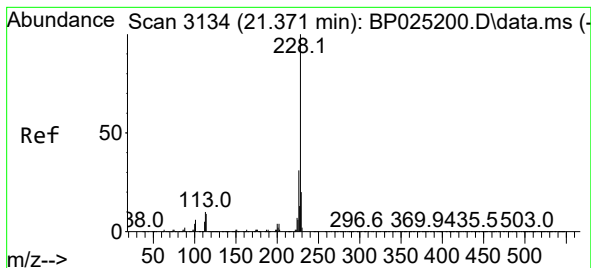
Tgt Ion:244 Resp: 6284821
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.6 9.8
 122 10.4 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 4.811 ng
 RT: 21.372 min Scan# 3134
 Delta R.T. 0.065 min
 Lab File: BP025230.D
 Acq: 23 Jul 2025 19:39

Tgt Ion:228 Resp: 948972
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.3 33.5
 229 23.3 16.2 24.2





#83

Chrysene

Concen: 5.154 ng

RT: 21.372 min Scan# 31

Delta R.T. 0.001 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

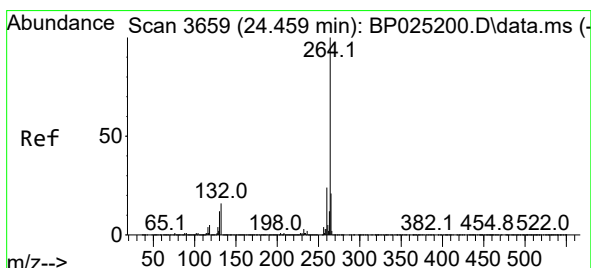
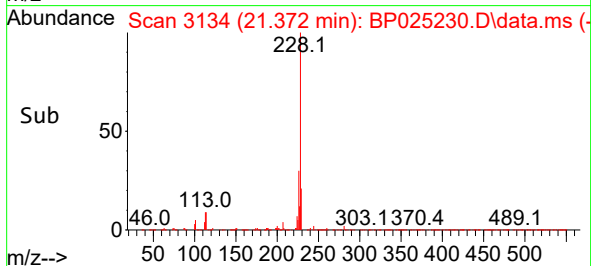
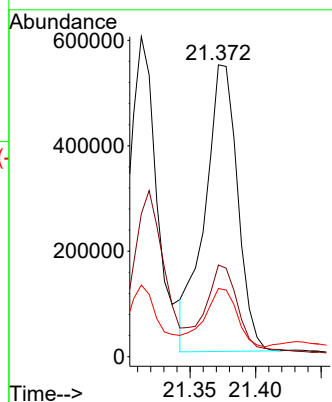
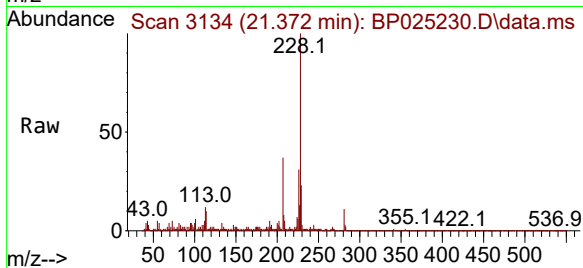
Tgt Ion:228 Resp: 948972

Ion Ratio Lower Upper

228 100

226 31.4 24.6 37.0

229 23.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.466 min Scan# 3660

Delta R.T. 0.006 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

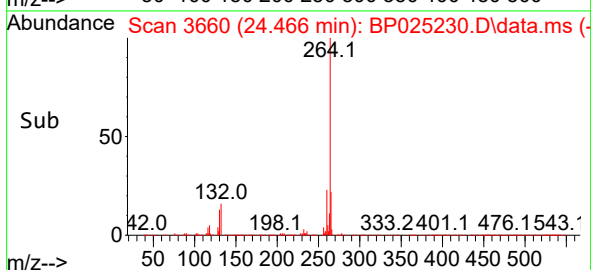
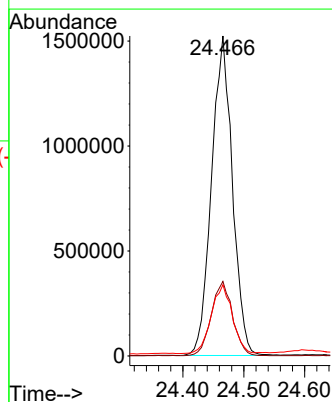
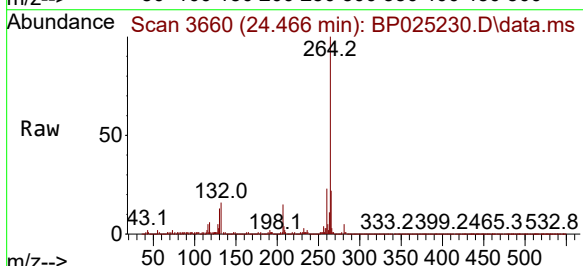
Tgt Ion:264 Resp: 3621930

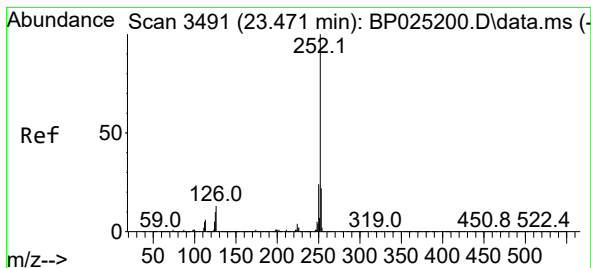
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 6.011 ng

RT: 23.489 min Scan# 3491

Delta R.T. 0.018 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

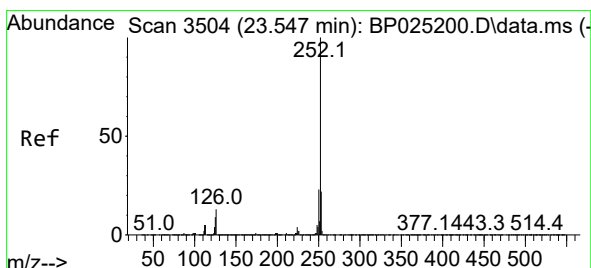
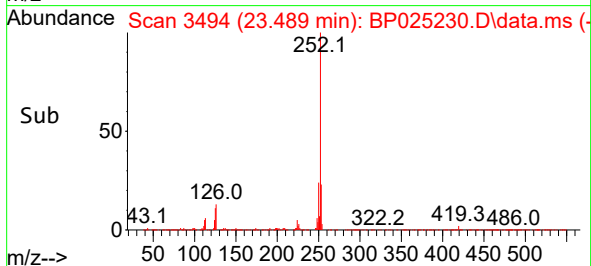
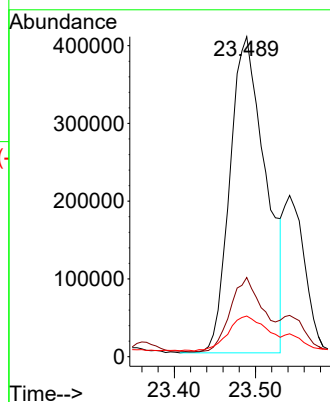
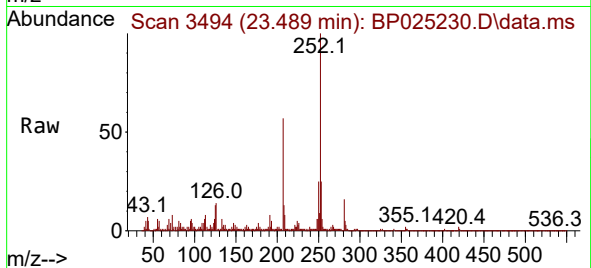
Tgt Ion:252 Resp: 1246129

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

125 12.7 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 6.088 ng

RT: 23.489 min Scan# 3494

Delta R.T. -0.058 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

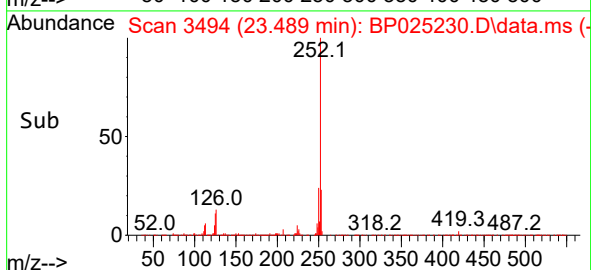
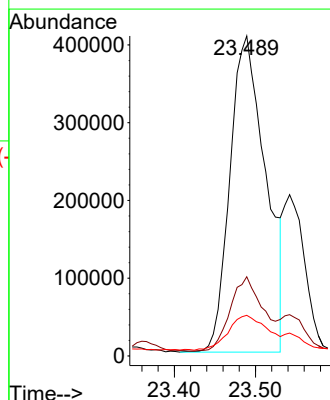
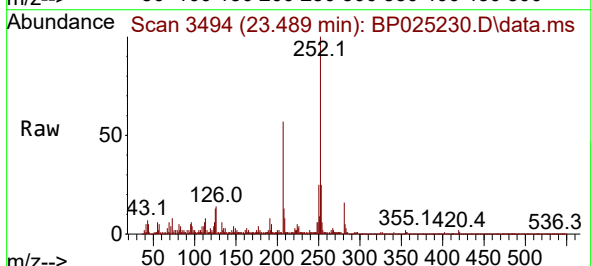
Tgt Ion:252 Resp: 1246129

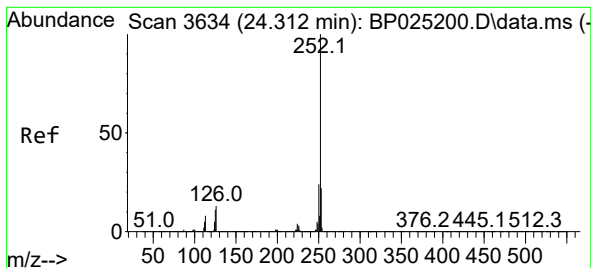
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 12.7 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 5.257 ng

RT: 24.319 min Scan# 3634

Delta R.T. 0.006 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Instrument :

BNA_P

ClientSampleId :

OU4-TS-37-071725RE

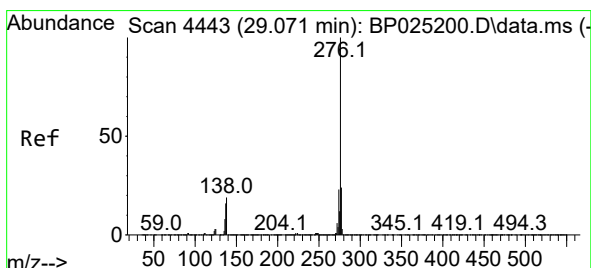
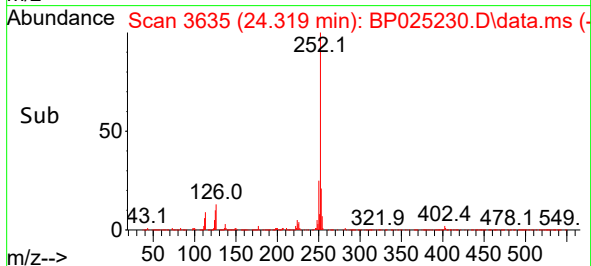
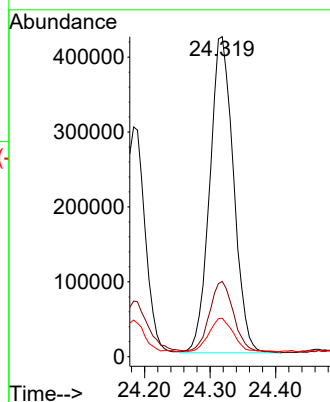
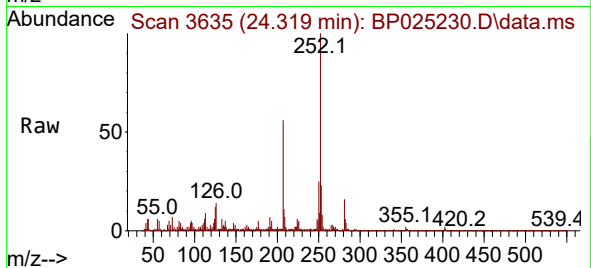
Tgt Ion:252 Resp: 1063421

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 12.0 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 3.582 ng

RT: 29.077 min Scan# 4444

Delta R.T. 0.006 min

Lab File: BP025230.D

Acq: 23 Jul 2025 19:39

Tgt Ion:276 Resp: 760230

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 22.3 15.4 23.2

