

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025222.D
 Acq On : 23 Jul 2025 13:28
 Operator : CG/JU
 Sample : Q2639-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-38-071725

Quant Time: Jul 23 15:02:10 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)

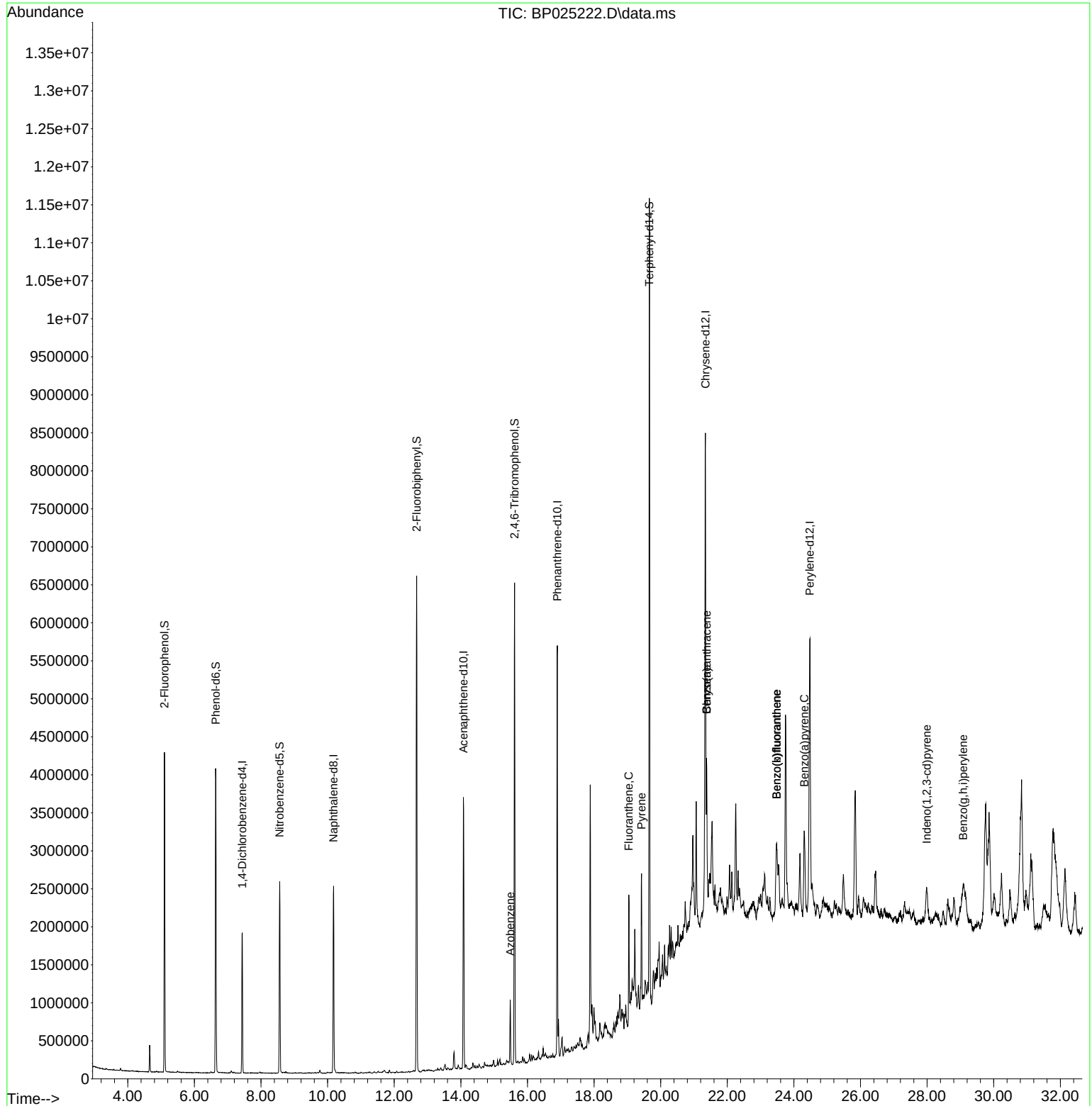
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	508416	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	2118134	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	1475610	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	3006834	20.000	ng	0.00
76) Chrysene-d12	21.342	240	3038957	20.000	ng	0.02
86) Perylene-d12	24.477	264	3598510	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	1851354	61.527	ng	0.00
7) Phenol-d6	6.637	99	2411148	64.698	ng	0.00
23) Nitrobenzene-d5	8.560	82	1444714	37.905	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1372619	63.098	ng	0.00
45) 2-Fluorobiphenyl	12.672	172	3875609	37.028	ng	-0.01
79) Terphenyl-d14	19.660	244	5925338	38.489	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.484	77	218230	2.575	ng	# 1
75) Fluoranthene	19.042	202	940106	4.926	ng	99
78) Pyrene	19.425	202	1133511	6.049	ng	99
81) Benzo(a)anthracene	21.377	228	911395	4.749	ng	93
83) Chrysene	21.377	228	913415	5.099	ng	96
87) Indeno(1,2,3-cd)pyrene	27.989	276	731185	2.780	ng	# 97
88) Benzo(b)fluoranthene	23.483	252	1193321	5.793	ng	# 96
89) Benzo(k)fluoranthene	23.483	252	1193321	5.868	ng	# 95
90) Benzo(a)pyrene	24.313	252	994520	4.949	ng	98
92) Benzo(g,h,i)perylene	29.083	276	731804	3.471	ng	96

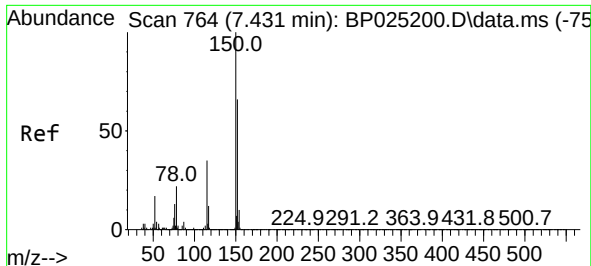
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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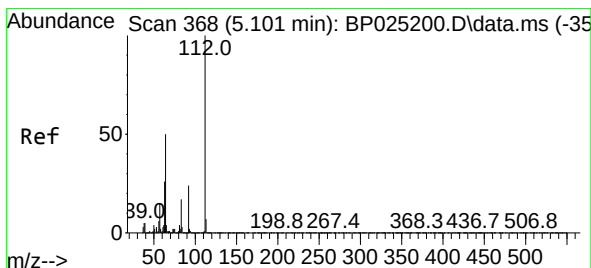
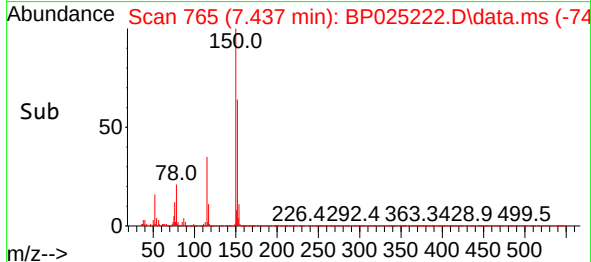
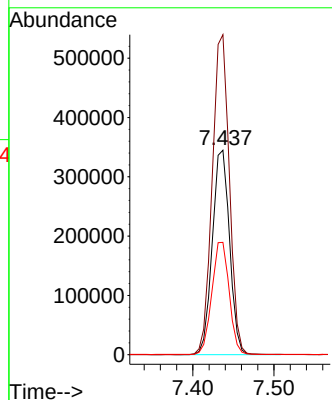
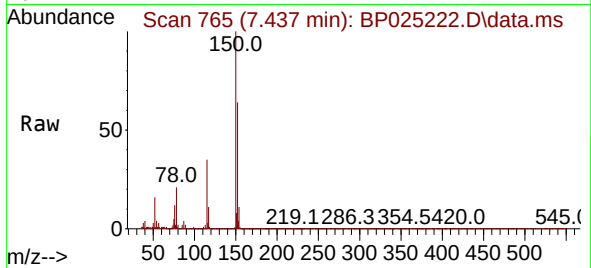




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: BP025222.D
 Acq: 23 Jul 2025 13:28

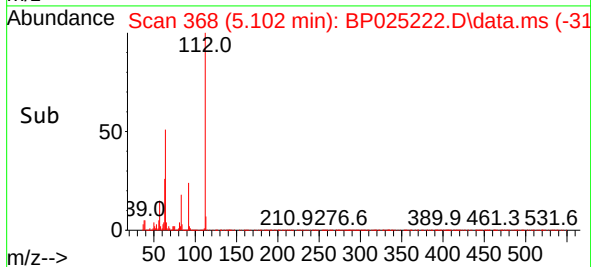
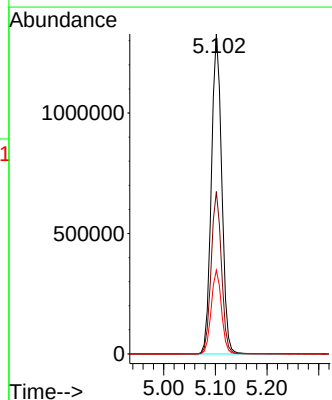
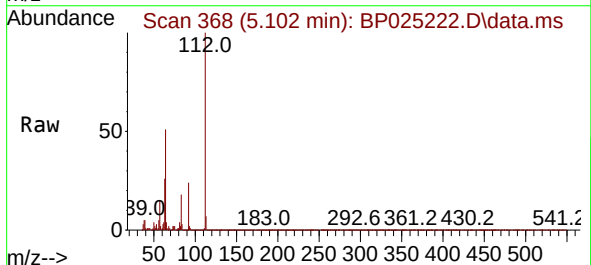
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-38-071725

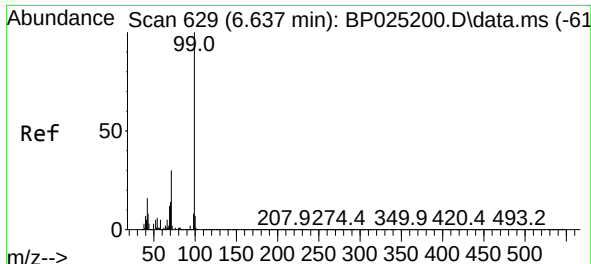
Tgt Ion:152 Resp: 508416
 Ion Ratio Lower Upper
 152 100
 150 156.5 121.9 182.9
 115 55.0 43.0 64.6



#5
 2-Fluorophenol
 Concen: 61.527 ng
 RT: 5.102 min Scan# 368
 Delta R.T. 0.000 min
 Lab File: BP025222.D
 Acq: 23 Jul 2025 13:28

Tgt Ion:112 Resp: 1851354
 Ion Ratio Lower Upper
 112 100
 64 50.8 39.8 59.6
 63 26.2 20.5 30.7

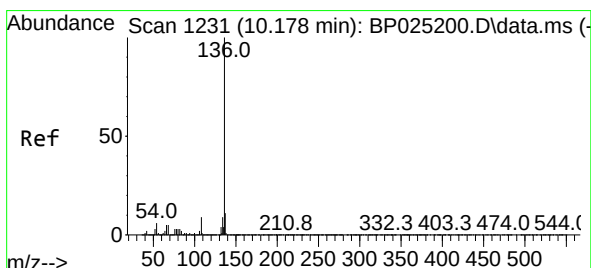
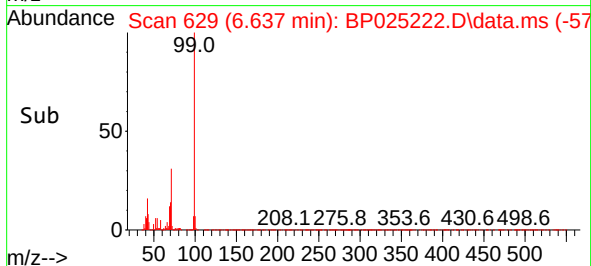
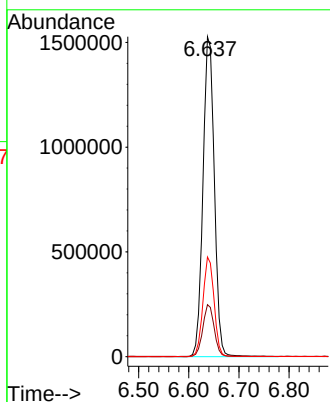
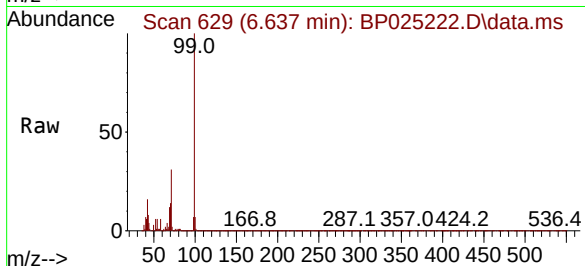




#7
Phenol-d6
Concen: 64.698 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

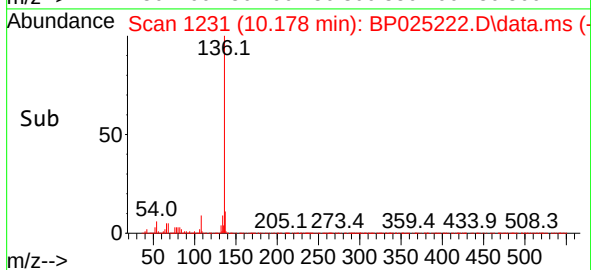
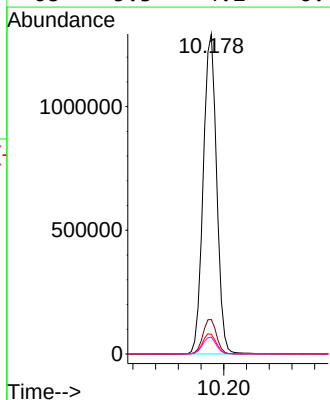
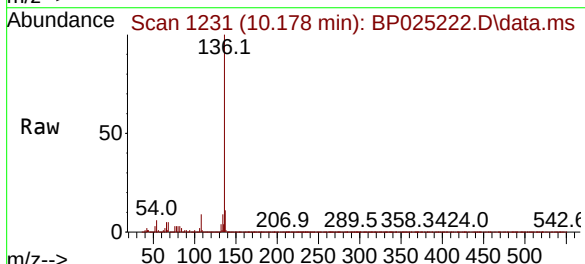
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725

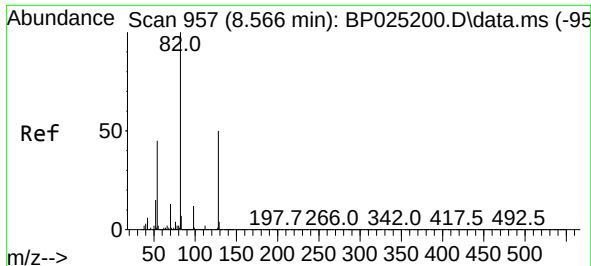
Tgt Ion: 99 Resp: 2411148
Ion Ratio Lower Upper
99 100
42 16.2 12.5 18.7
71 31.2 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Tgt Ion:136 Resp: 2118134
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.2 5.1 7.7
68 5.3 4.2 6.4

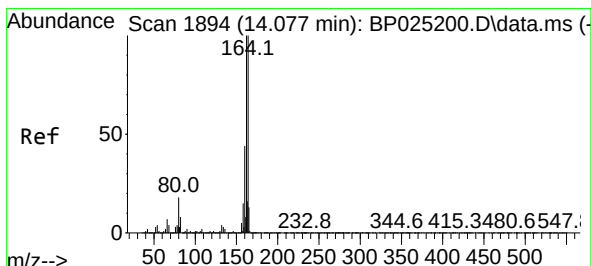
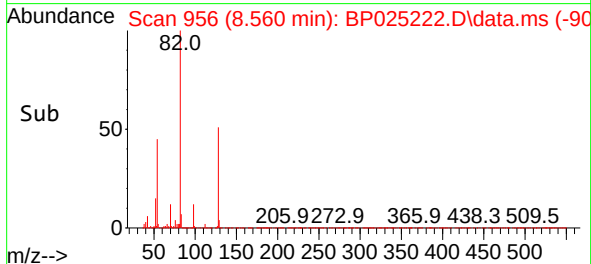
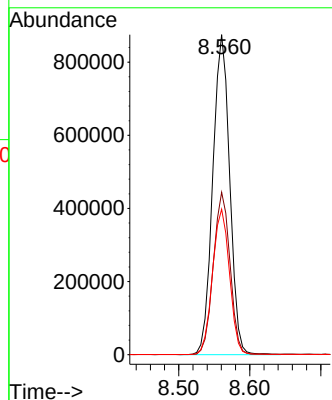
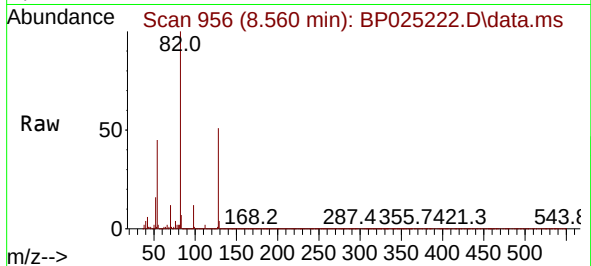




#23
Nitrobenzene-d5
Concen: 37.905 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.005 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

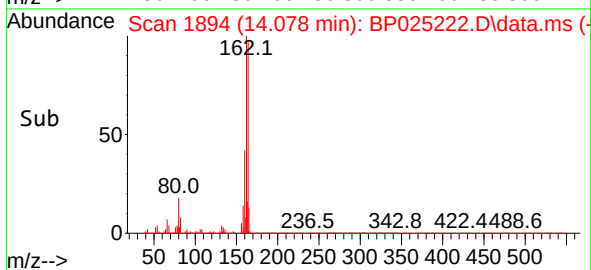
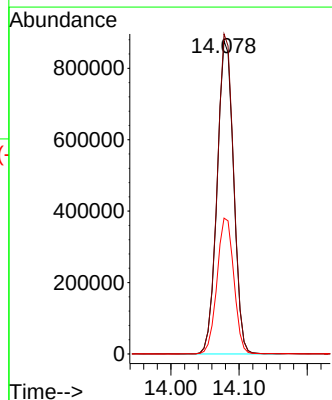
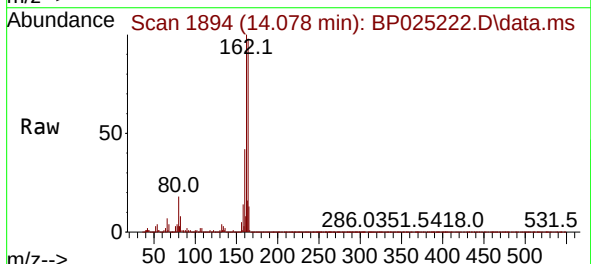
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725

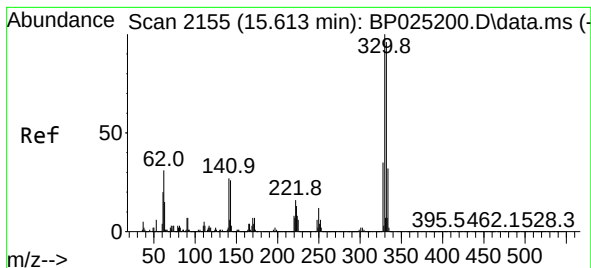
Tgt Ion: 82 Resp: 1444714
Ion Ratio Lower Upper
82 100
128 50.7 40.2 60.4
54 45.4 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Tgt Ion:164 Resp: 1475610
Ion Ratio Lower Upper
164 100
162 102.2 80.3 120.5
160 43.4 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 63.098 ng

RT: 15.613 min Scan# 2155

Delta R.T. 0.000 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

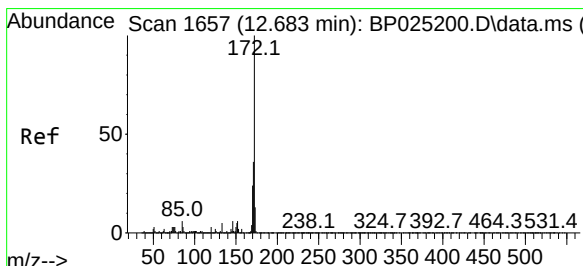
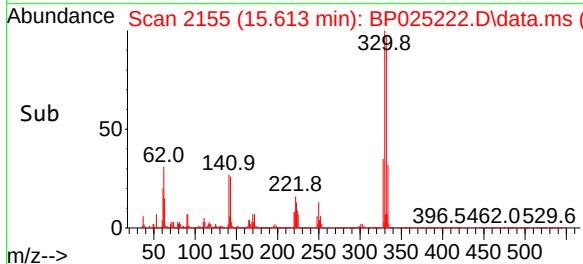
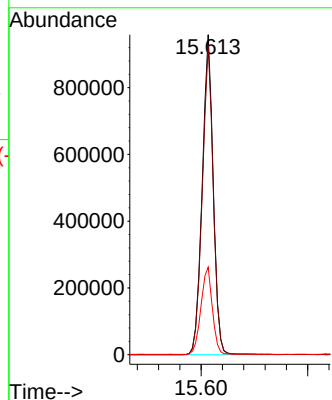
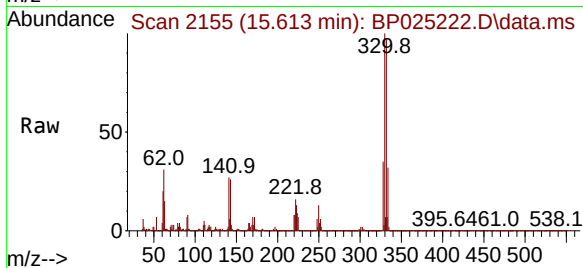
Tgt Ion:330 Resp: 1372619

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

141 28.1 22.4 33.6



#45

2-Fluorobiphenyl

Concen: 37.028 ng

RT: 12.672 min Scan# 1655

Delta R.T. -0.011 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

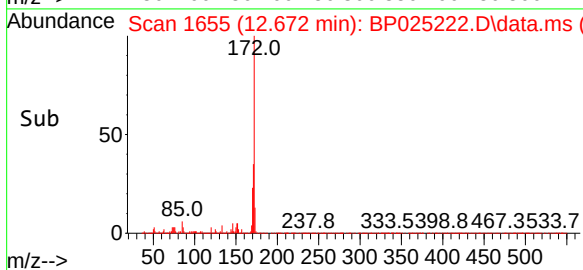
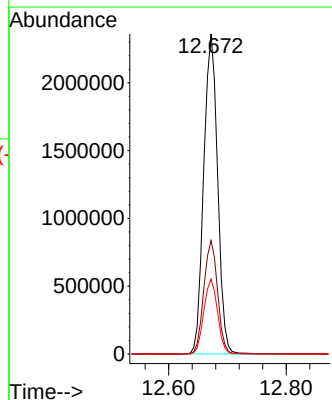
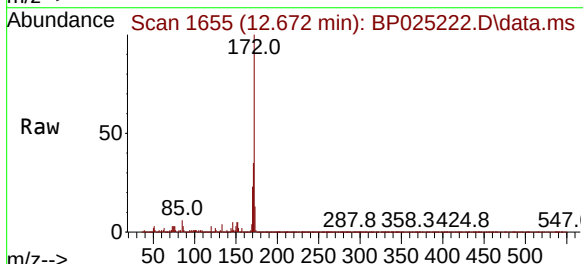
Tgt Ion:172 Resp: 3875609

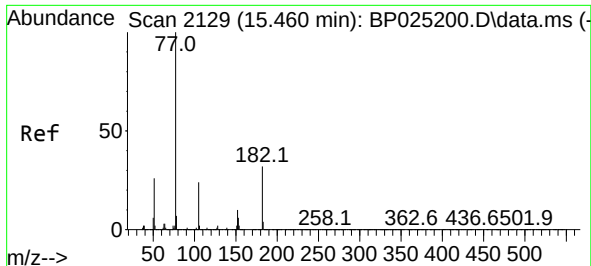
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.3 19.2 28.8

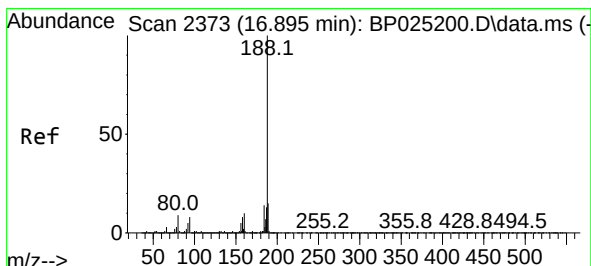
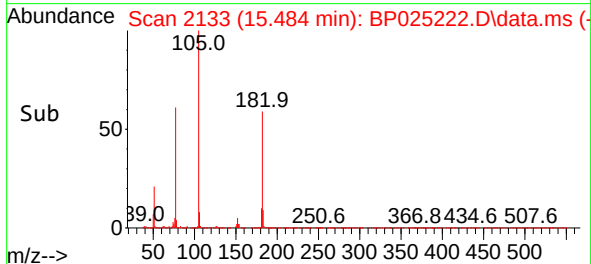
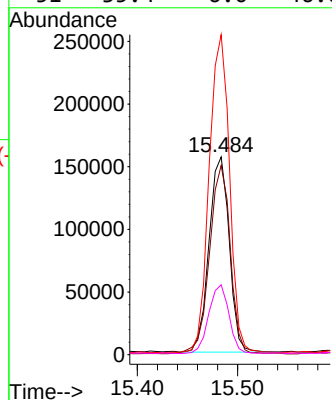
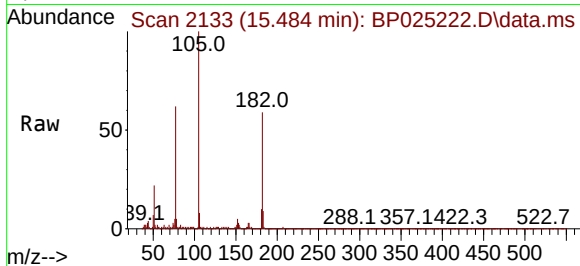




#63
Azobenzene
Concen: 2.575 ng
RT: 15.484 min Scan# 2129
Delta R.T. 0.024 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

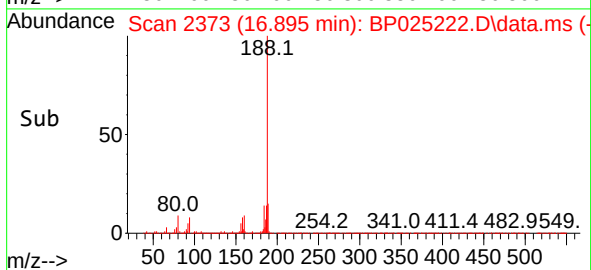
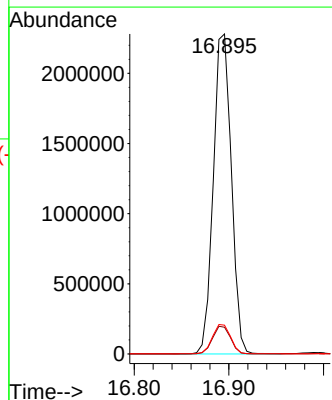
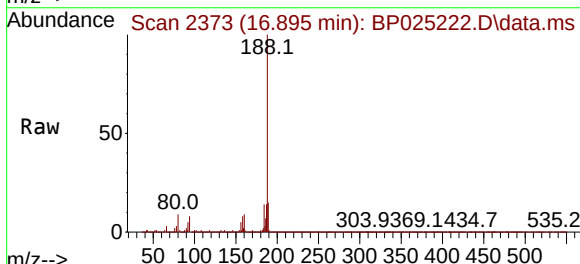
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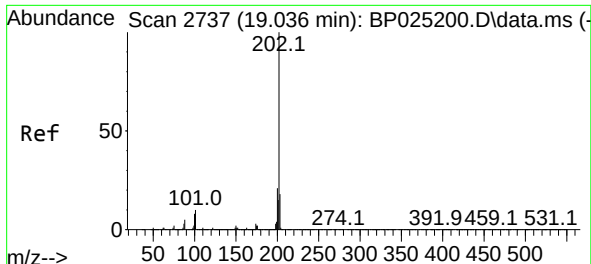
Tgt Ion: 77 Resp: 218230
Ion Ratio Lower Upper
77 100
182 95.7 12.0 52.0#
105 161.8 3.6 43.6#
51 35.4 6.0 46.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. 0.000 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Tgt Ion:188 Resp: 3006834
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.0 7.3 10.9

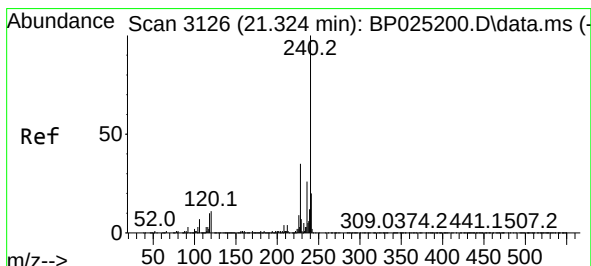
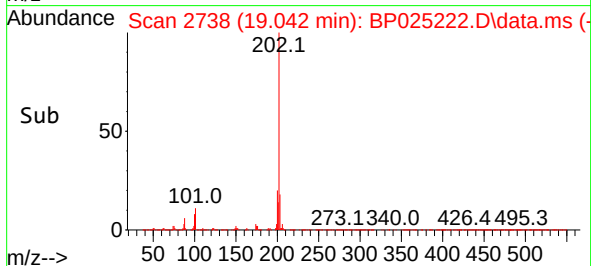
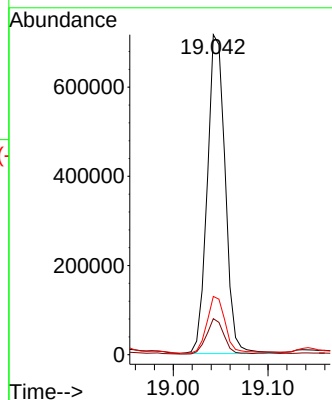
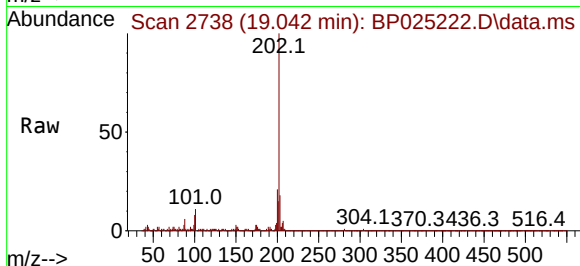




#75
Fluoranthene
Concen: 4.926 ng
RT: 19.042 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

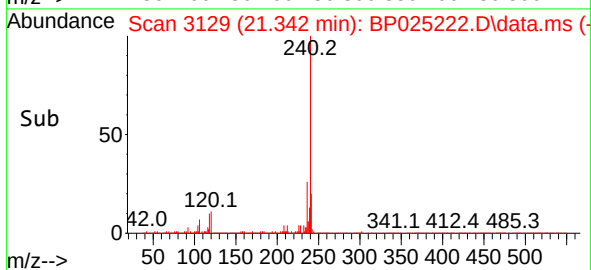
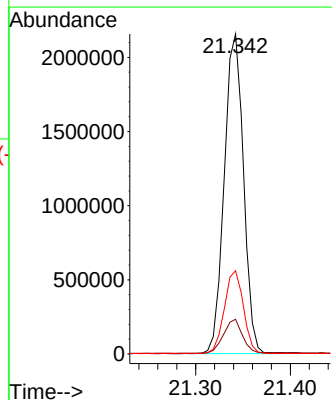
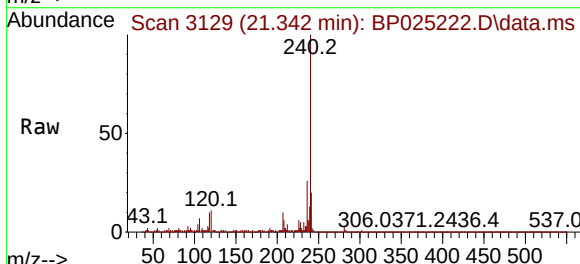
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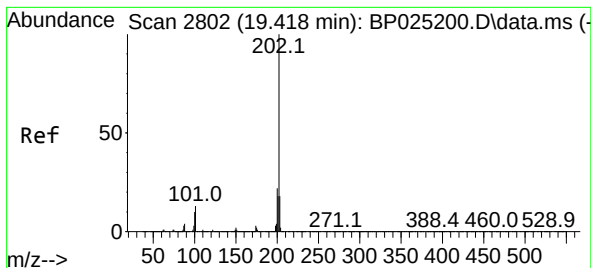
Tgt Ion:202 Resp: 940106
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.3
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.342 min Scan# 3129
Delta R.T. 0.018 min
Lab File: BP025222.D
Acq: 23 Jul 2025 13:28

Tgt Ion:240 Resp: 3038957
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 6.049 ng

RT: 19.425 min Scan# 2802

Delta R.T. 0.006 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

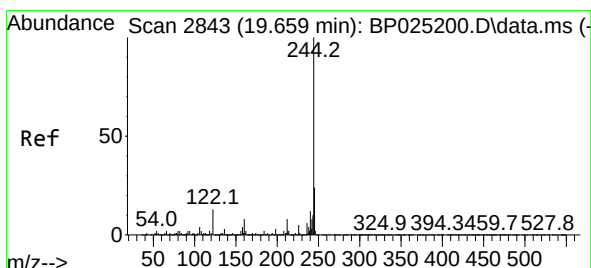
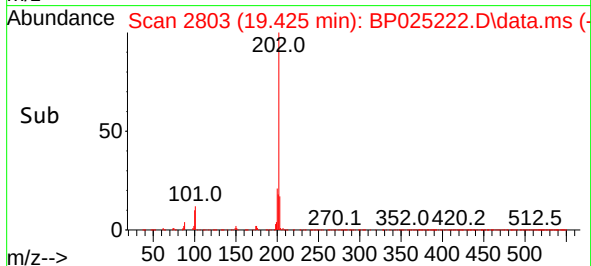
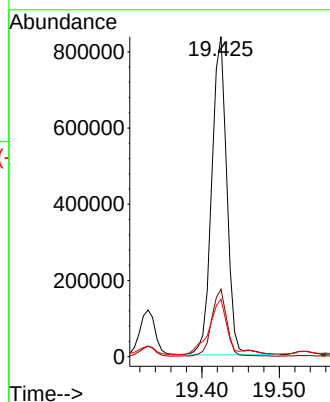
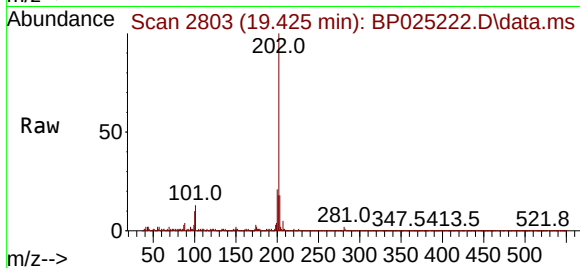
Tgt Ion:202 Resp: 1133511

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 38.489 ng

RT: 19.660 min Scan# 2843

Delta R.T. 0.001 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

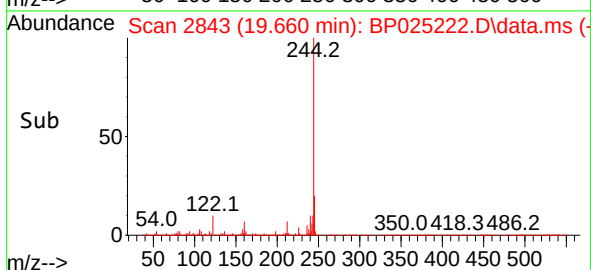
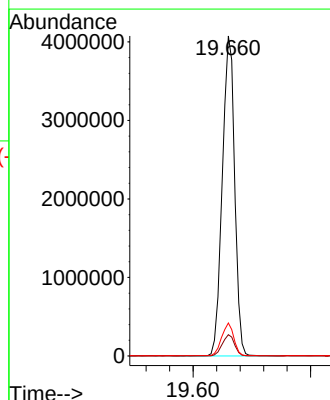
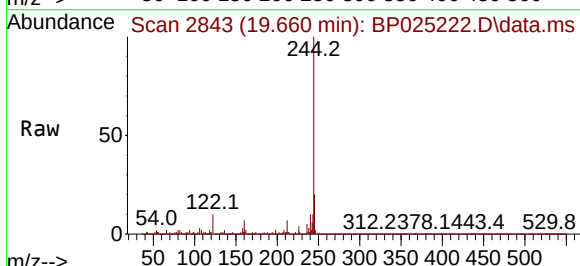
Tgt Ion:244 Resp: 5925338

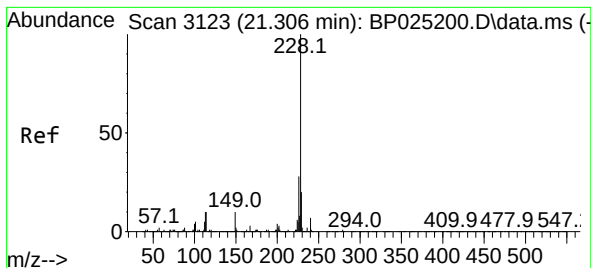
Ion Ratio Lower Upper

244 100

212 6.7 6.6 9.8

122 10.3 10.3 15.5#





#81

Benzo(a)anthracene

Concen: 4.749 ng

RT: 21.377 min Scan# 3135

Delta R.T. 0.071 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

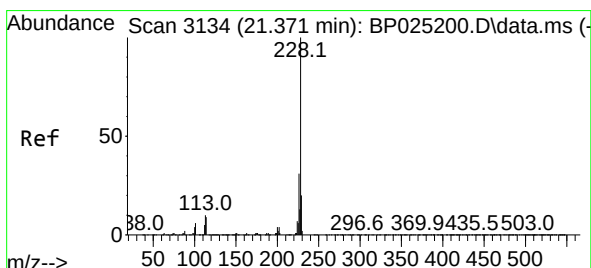
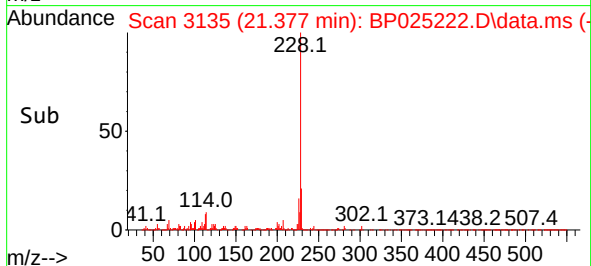
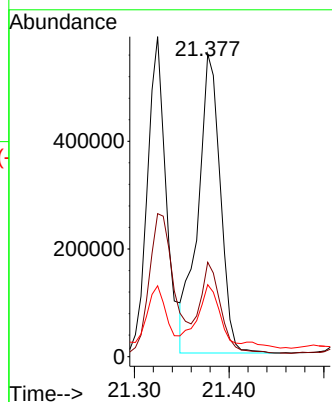
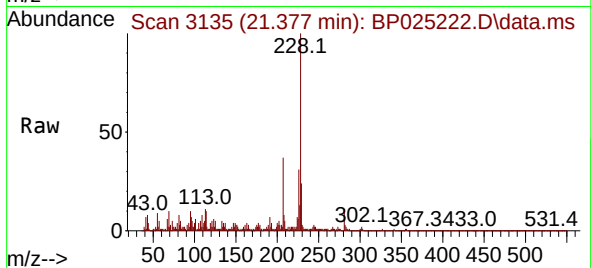
Tgt Ion:228 Resp: 911395

Ion Ratio Lower Upper

228 100

226 31.2 22.3 33.5

229 23.8 16.2 24.2



#83

Chrysene

Concen: 5.099 ng

RT: 21.377 min Scan# 3135

Delta R.T. 0.006 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

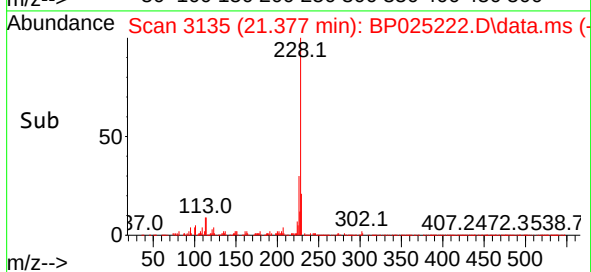
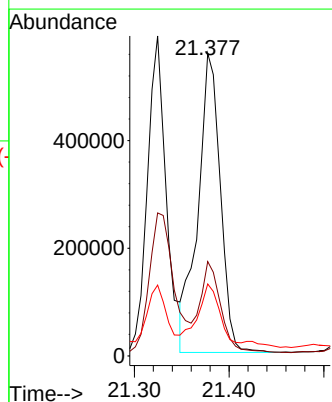
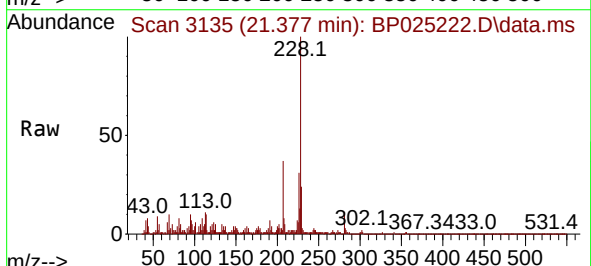
Tgt Ion:228 Resp: 913415

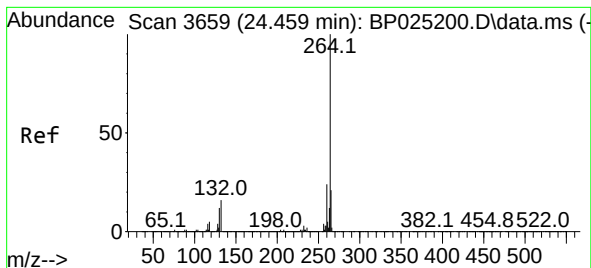
Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 23.8 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: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

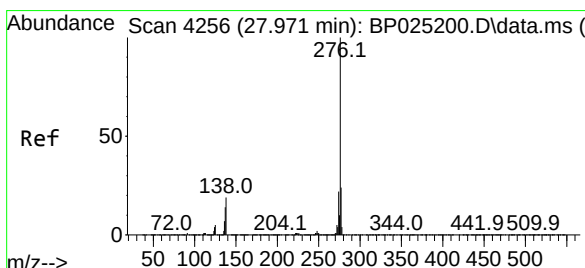
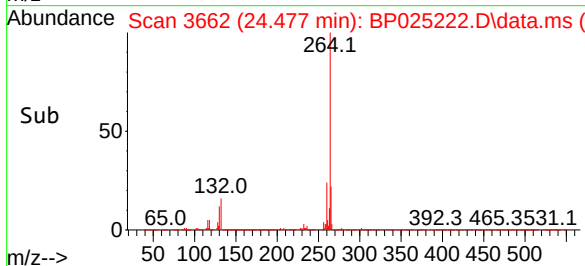
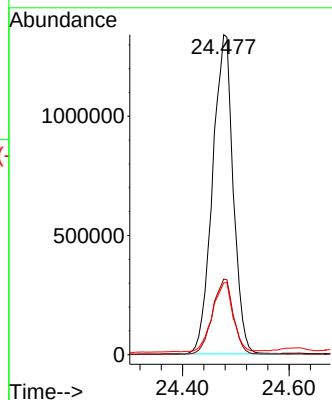
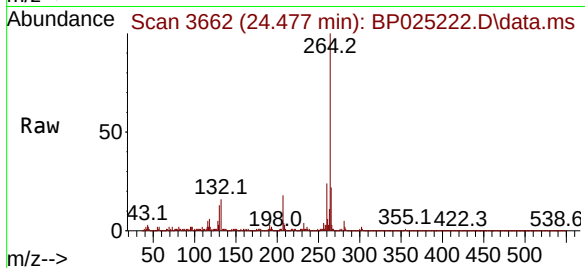
Tgt Ion:264 Resp: 3598510

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.780 ng

RT: 27.989 min Scan# 4259

Delta R.T. 0.018 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

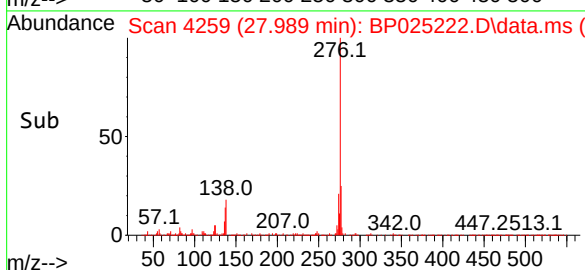
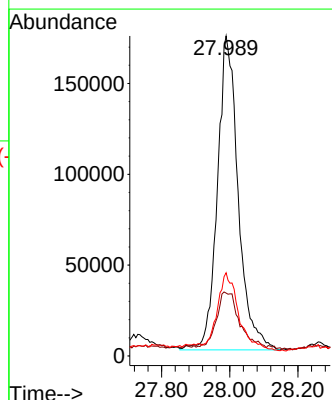
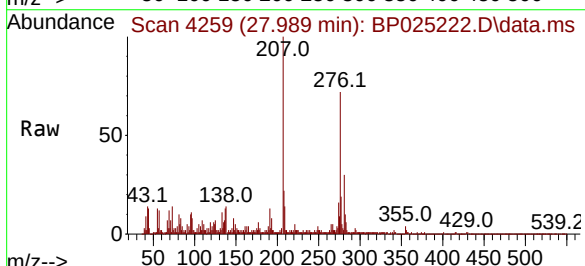
Tgt Ion:276 Resp: 731185

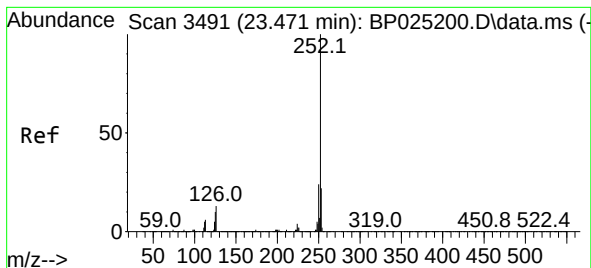
Ion Ratio Lower Upper

276 100

138 19.3 12.8 19.2#

277 25.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.793 ng

RT: 23.483 min Scan# 3491

Delta R.T. 0.012 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

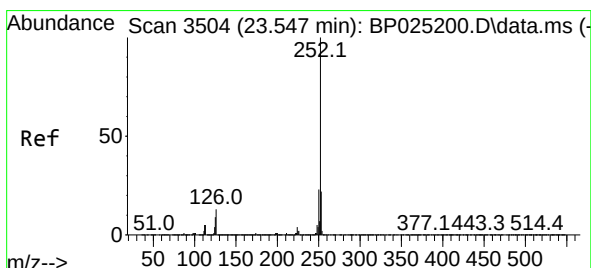
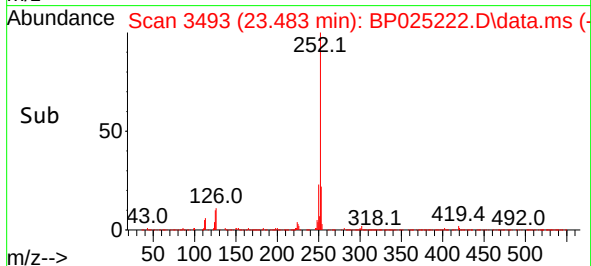
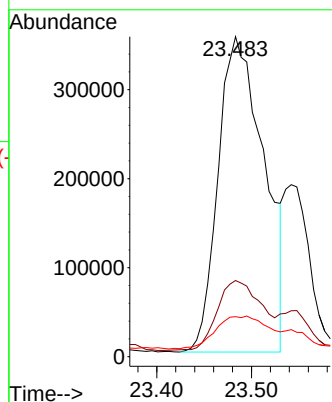
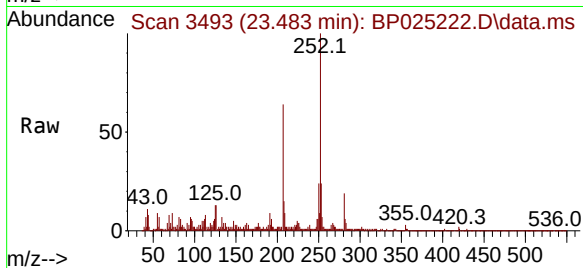
Tgt Ion:252 Resp: 1193321

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 12.5 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 5.868 ng

RT: 23.483 min Scan# 3493

Delta R.T. -0.064 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

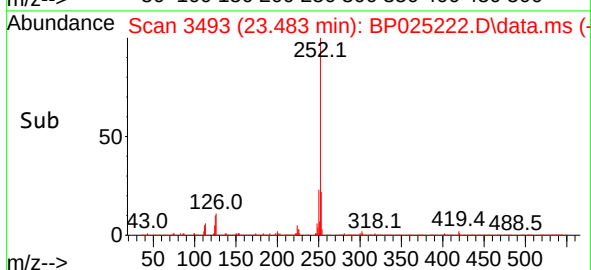
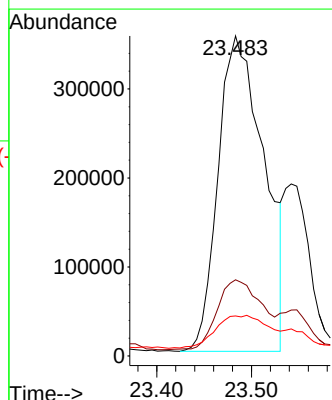
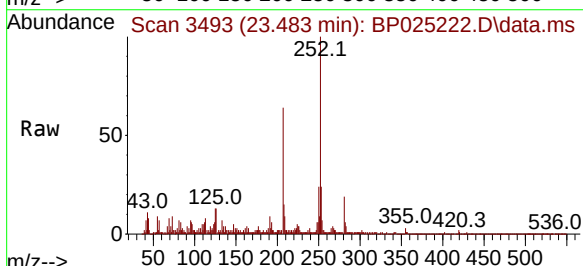
Tgt Ion:252 Resp: 1193321

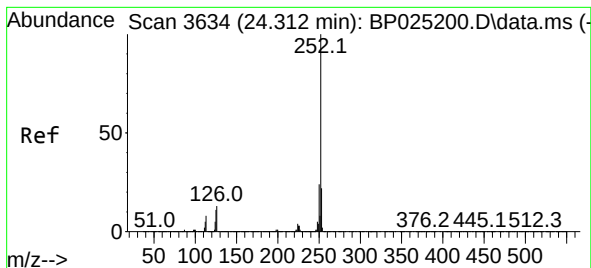
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 12.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.949 ng

RT: 24.313 min Scan# 30

Delta R.T. 0.000 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725

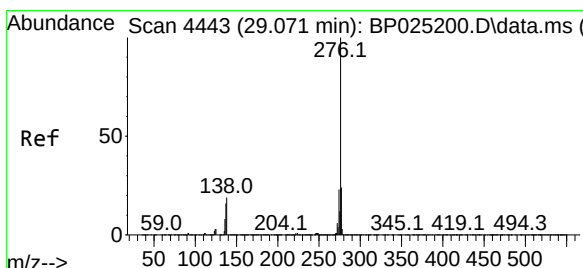
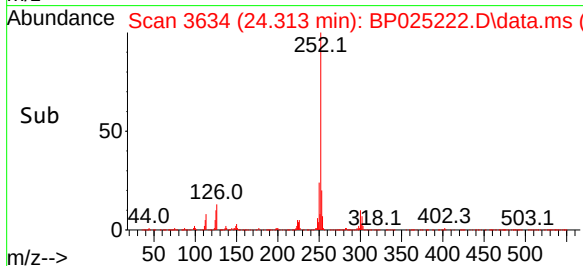
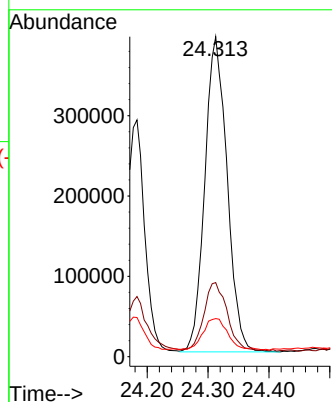
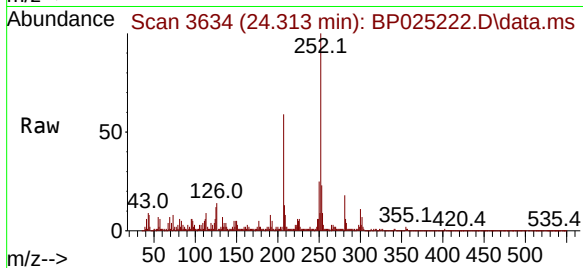
Tgt Ion:252 Resp: 994520

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 11.9 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 3.471 ng

RT: 29.083 min Scan# 4445

Delta R.T. 0.012 min

Lab File: BP025222.D

Acq: 23 Jul 2025 13:28

Tgt Ion:276 Resp: 731804

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 22.5 15.4 23.2

