

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025225.D
 Acq On : 23 Jul 2025 15:32
 Operator : CG/JU
 Sample : Q2638-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 23 16:03:26 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)

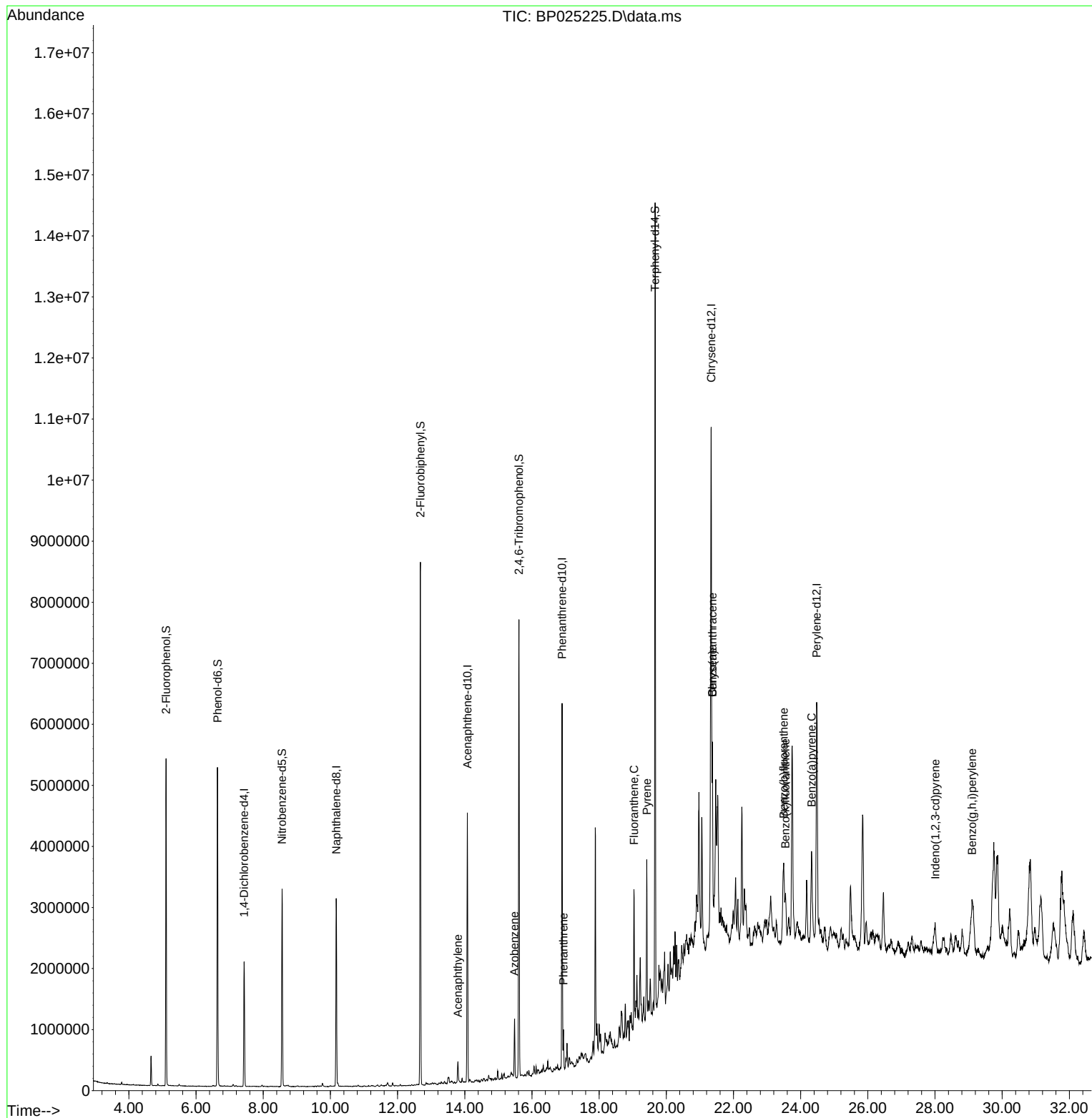
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	621825	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	2595194	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	1720443	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	3429853	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3438636	20.000	ng	0.01
86) Perylene-d12	24.477	264	3928190	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2298638	62.459	ng	0.00
7) Phenol-d6	6.637	99	3001869	65.858	ng	0.00
23) Nitrobenzene-d5	8.560	82	1862789	39.890	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1668962	65.803	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	4912796	40.258	ng	0.00
79) Terphenyl-d14	19.666	244	7252208	41.633	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.795	152	319352	2.028	ng	99
63) Azobenzene	15.478	77	256500	2.596	ng	# 1
71) Phenanthrene	16.936	178	398243	2.153	ng	99
75) Fluoranthene	19.036	202	1345103	6.178	ng	99
78) Pyrene	19.419	202	1648299	7.774	ng	99
81) Benzo(a)anthracene	21.371	228	1261232	5.808	ng	94
83) Chrysene	21.371	228	1261232	6.222	ng	97
87) Indeno(1,2,3-cd)pyrene	28.006	276	986165	3.435	ng	# 95
88) Benzo(b)fluoranthene	23.495	252	1588865	7.066	ng	# 95
89) Benzo(k)fluoranthene	23.548	252	492166	2.217	ng	# 91
90) Benzo(a)pyrene	24.324	252	1382716	6.303	ng	# 95
92) Benzo(g,h,i)perylene	29.100	276	988302	4.294	ng	96

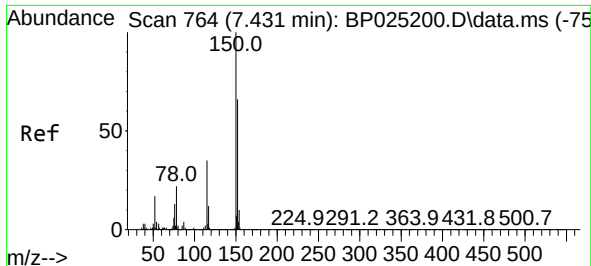
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
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OU4-TS-36-071725

Quant Time: Jul 23 16:03:26 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

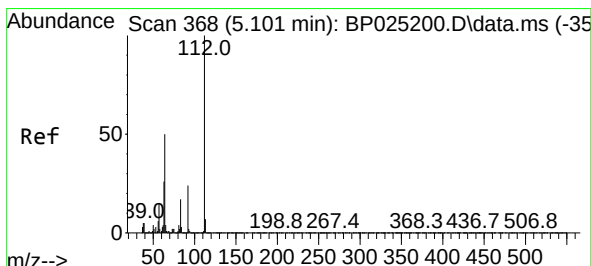
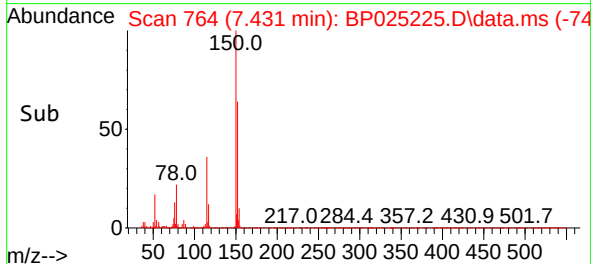
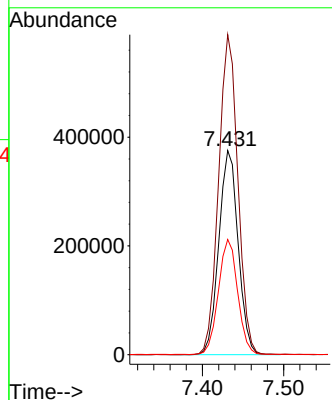
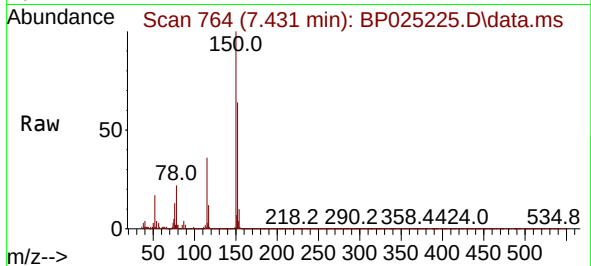




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.431 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BP025225.D
 Acq: 23 Jul 2025 15:32

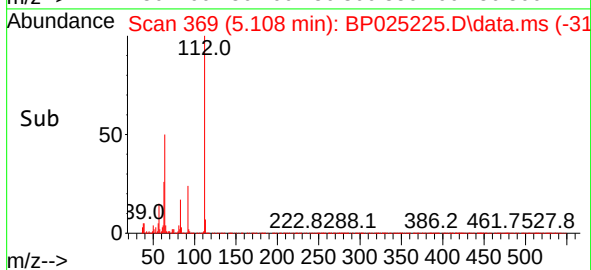
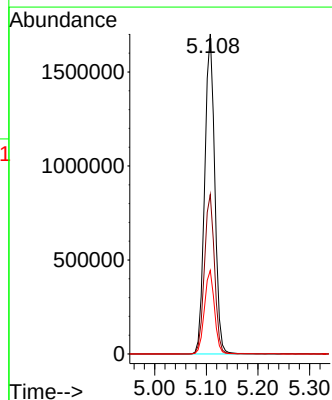
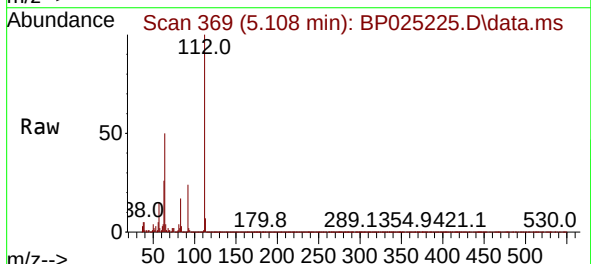
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725

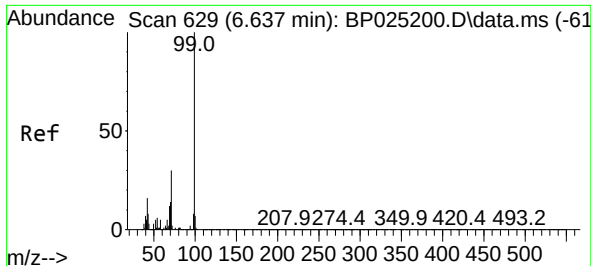
Tgt Ion:152 Resp: 621825
 Ion Ratio Lower Upper
 152 100
 150 156.7 121.9 182.9
 115 56.5 43.0 64.6



#5
 2-Fluorophenol
 Concen: 62.459 ng
 RT: 5.108 min Scan# 369
 Delta R.T. 0.006 min
 Lab File: BP025225.D
 Acq: 23 Jul 2025 15:32

Tgt Ion:112 Resp: 2298638
 Ion Ratio Lower Upper
 112 100
 64 49.8 39.8 59.6
 63 26.1 20.5 30.7

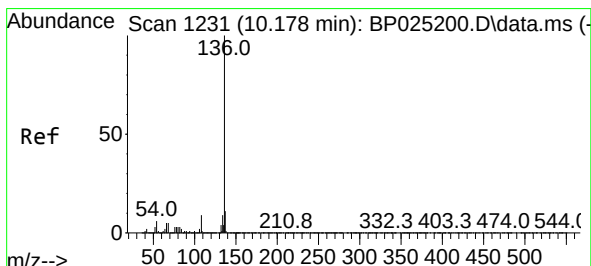
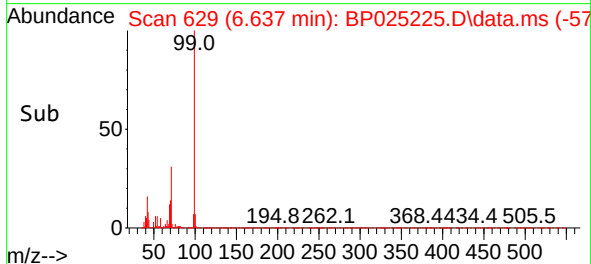
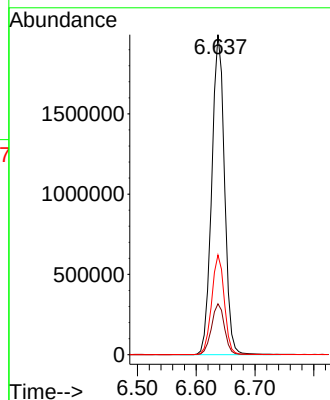
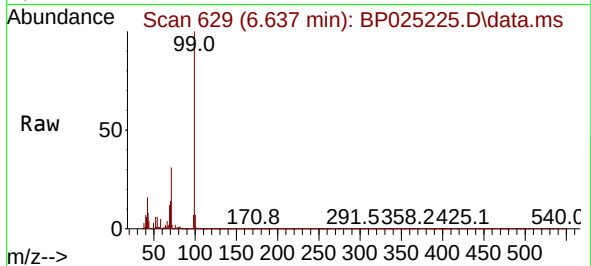




#7
Phenol-d6
Concen: 65.858 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

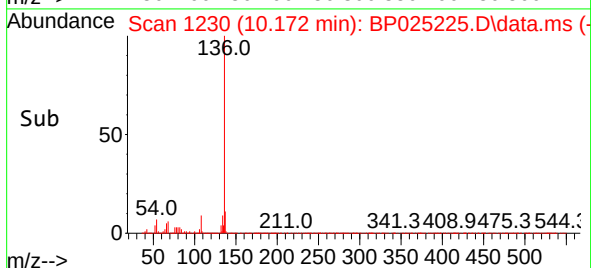
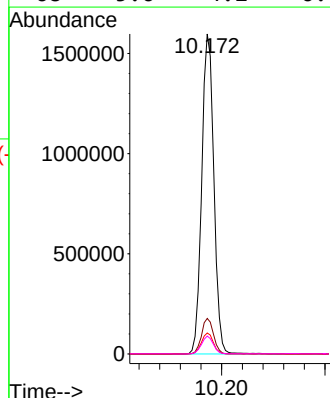
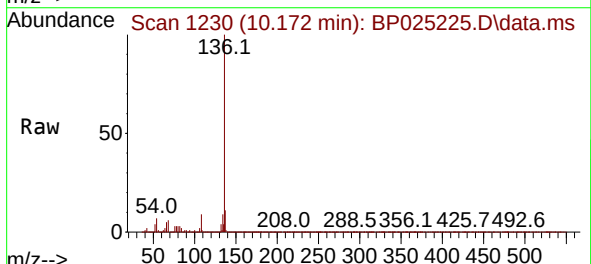
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725

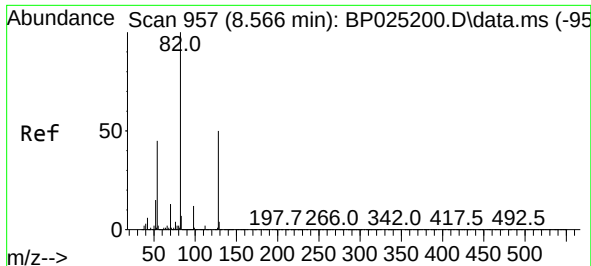
Tgt Ion: 99 Resp: 3001869
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 31.2 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:136 Resp: 2595194
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.1 7.7
68 5.6 4.2 6.4

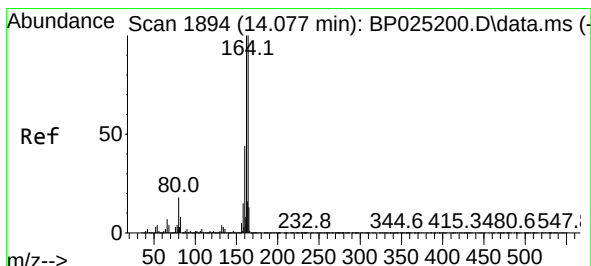
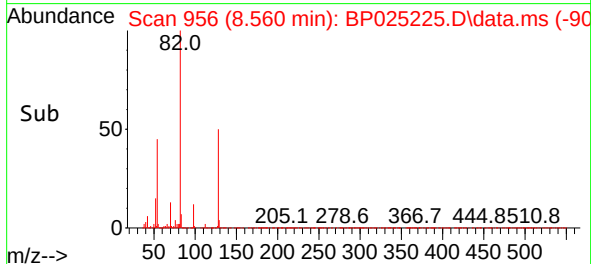
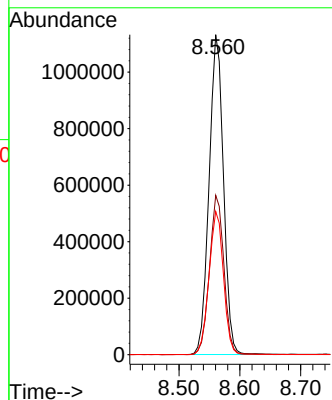
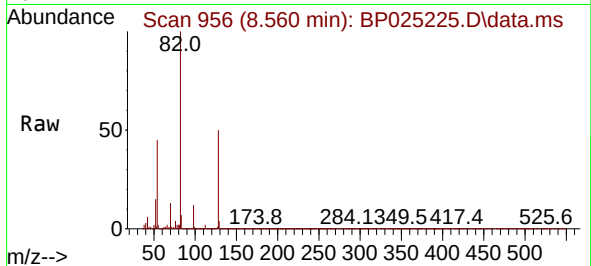




#23
Nitrobenzene-d5
Concen: 39.890 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

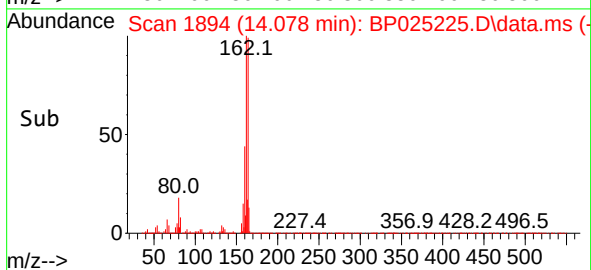
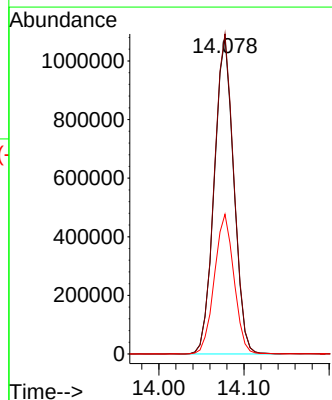
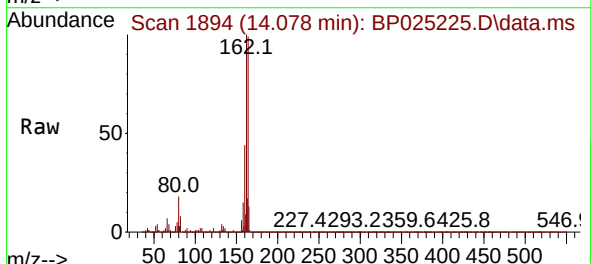
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725

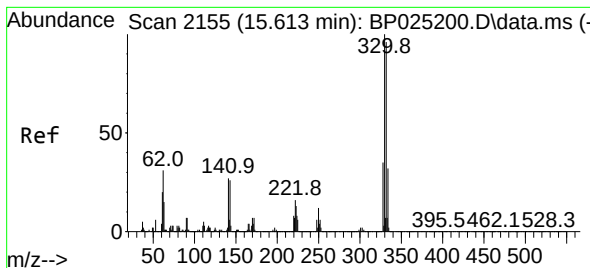
Tgt Ion: 82 Resp: 1862789
Ion Ratio Lower Upper
82 100
128 49.8 40.2 60.4
54 44.8 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:164 Resp: 1720443
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 44.1 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 65.803 ng

RT: 15.613 min Scan# 2155

Delta R.T. 0.000 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

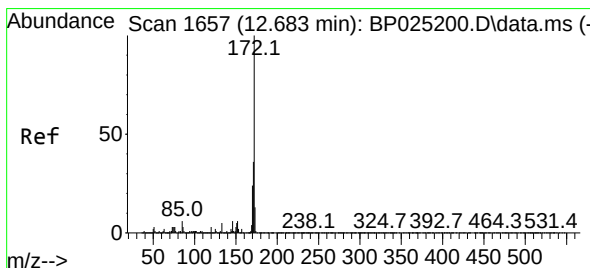
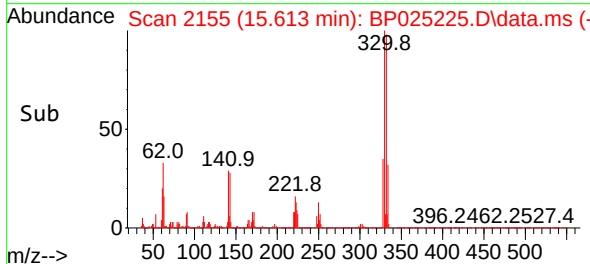
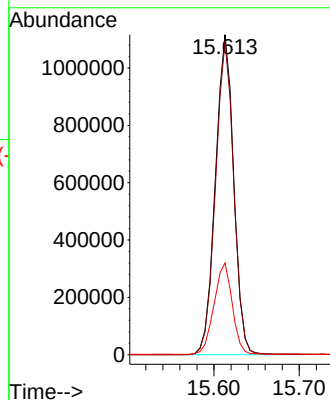
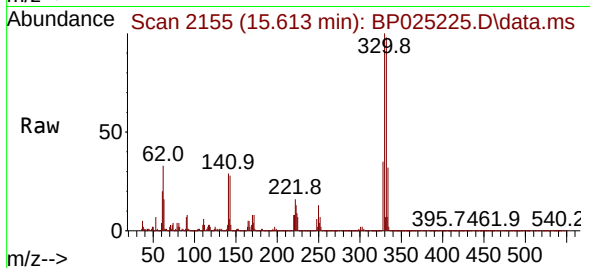
Tgt Ion:330 Resp: 1668962

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 28.3 22.4 33.6



#45

2-Fluorobiphenyl

Concen: 40.258 ng

RT: 12.678 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

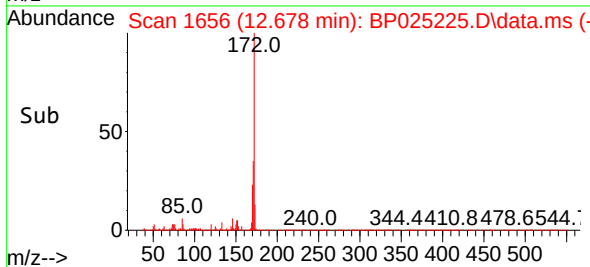
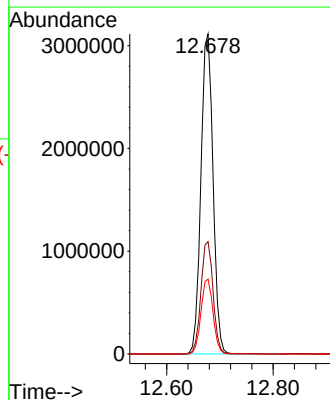
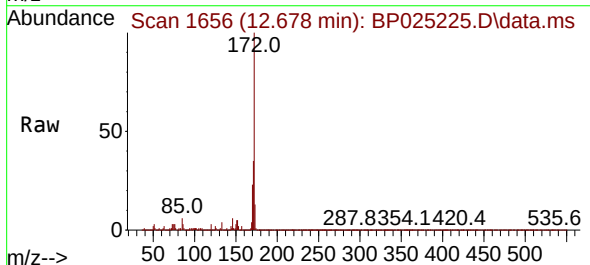
Tgt Ion:172 Resp: 4912796

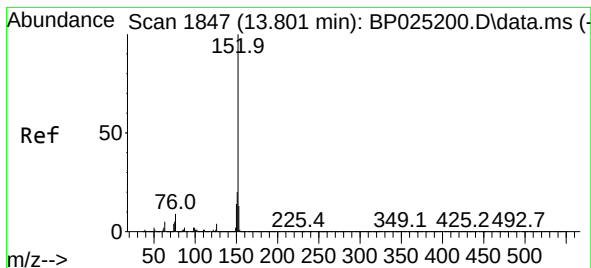
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.4 19.2 28.8





#49

Acenaphthylene

Concen: 2.028 ng

RT: 13.795 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

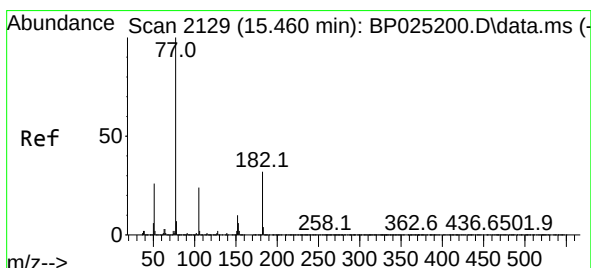
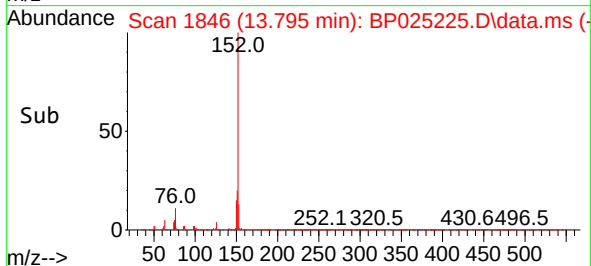
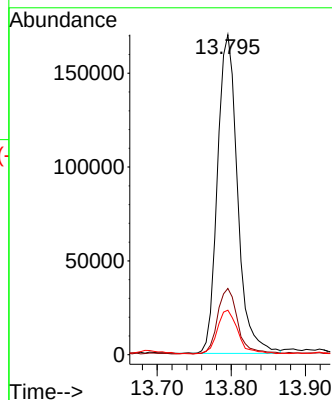
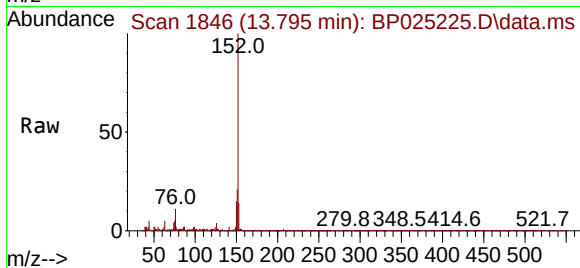
Tgt Ion:152 Resp: 319352

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.2

153 13.9 10.6 15.8



#63

Azobenzene

Concen: 2.596 ng

RT: 15.478 min Scan# 2132

Delta R.T. 0.018 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Tgt Ion: 77 Resp: 256500

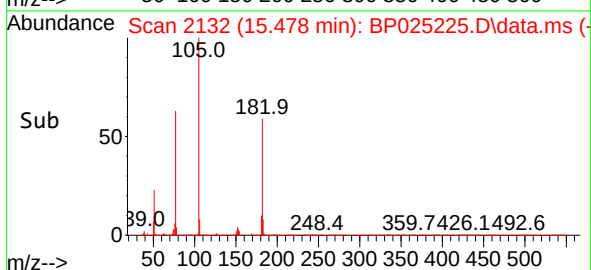
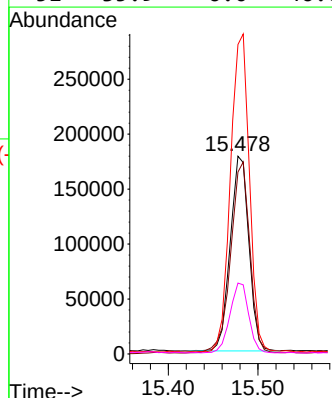
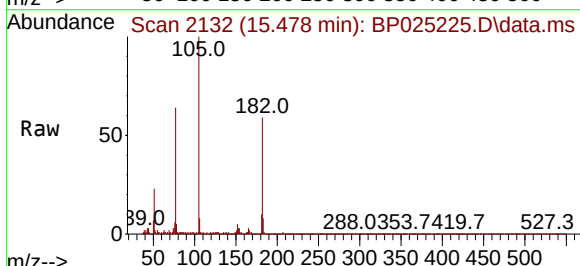
Ion Ratio Lower Upper

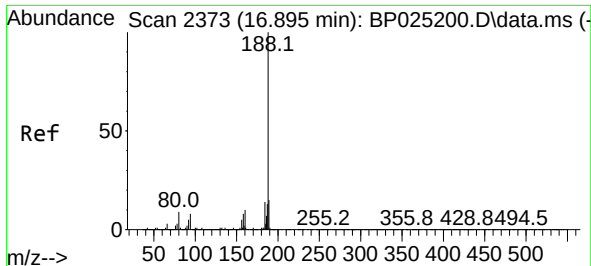
77 100

182 92.0 12.0 52.0#

105 156.5 3.6 43.6#

51 35.9 6.0 46.0

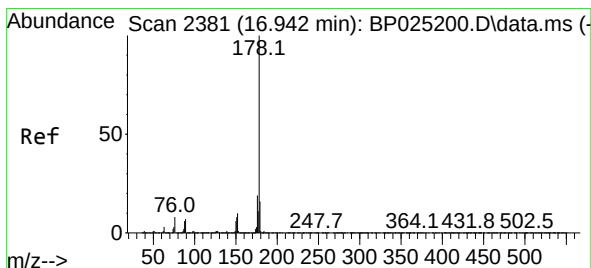
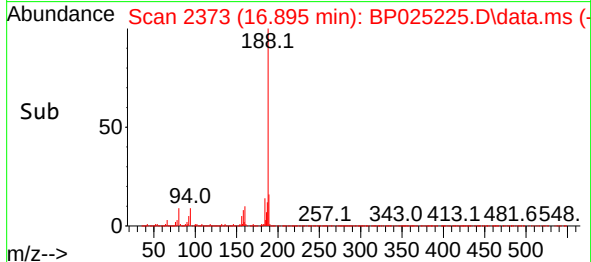
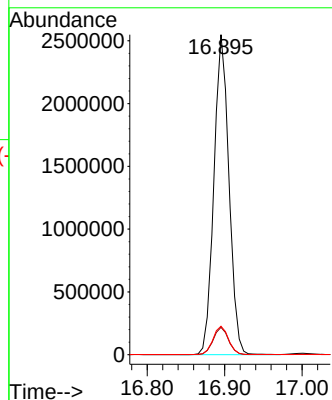
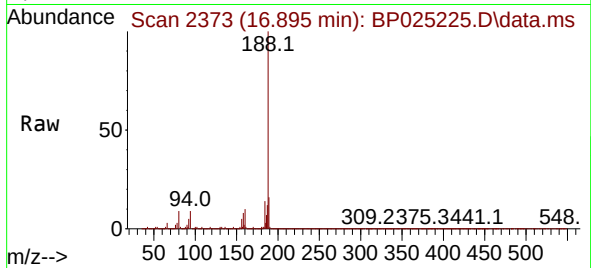




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

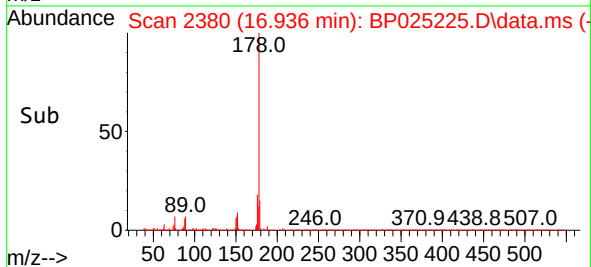
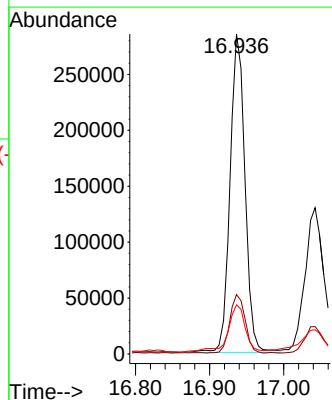
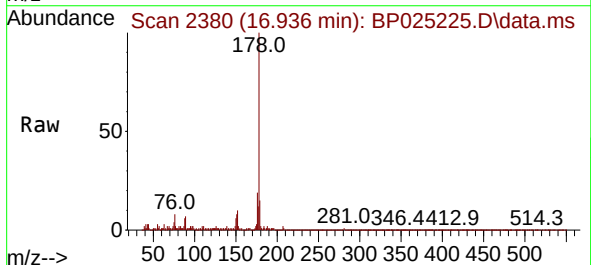
Instrument :
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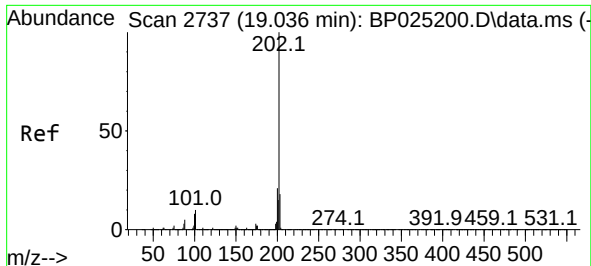
Tgt Ion:188 Resp: 3429853
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 8.9 7.3 10.9



#71
Phenanthrene
Concen: 2.153 ng
RT: 16.936 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:178 Resp: 398243
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.4 12.5 18.7

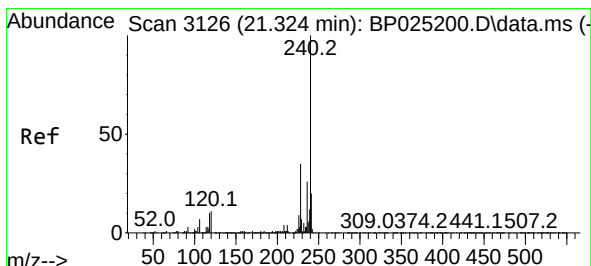
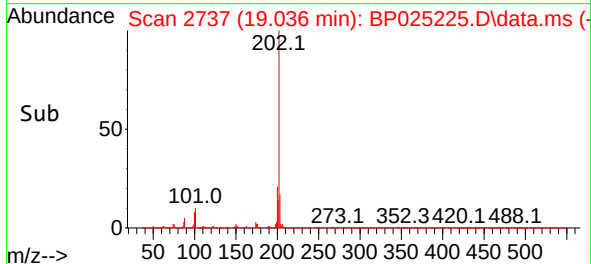
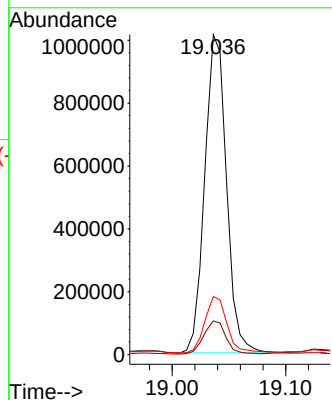
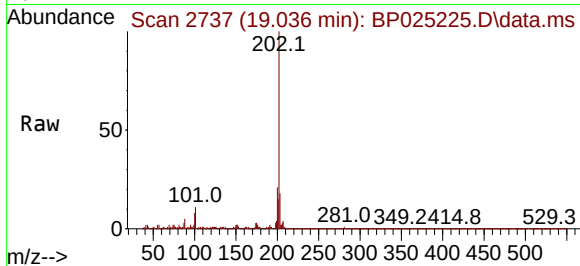




#75
Fluoranthene
Concen: 6.178 ng
RT: 19.036 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

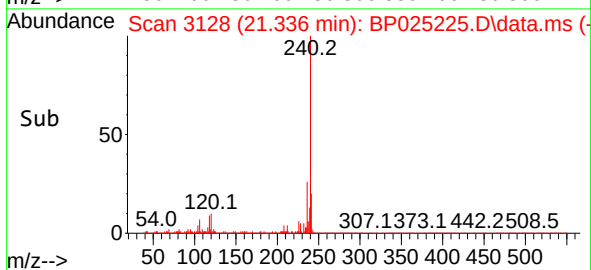
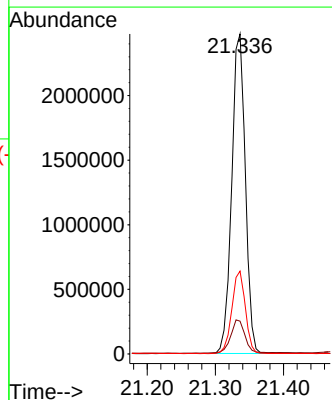
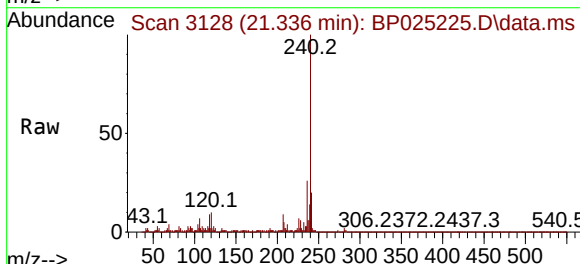
Instrument :
BNA_P
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OU4-TS-36-071725

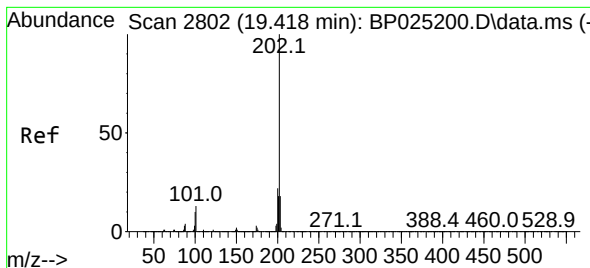
Tgt Ion:202 Resp: 1345103
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.3
203 18.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.336 min Scan# 3128
Delta R.T. 0.012 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:240 Resp: 3438636
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 25.9 20.9 31.3





#78

Pyrene

Concen: 7.774 ng

RT: 19.419 min Scan# 2802

Delta R.T. 0.000 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

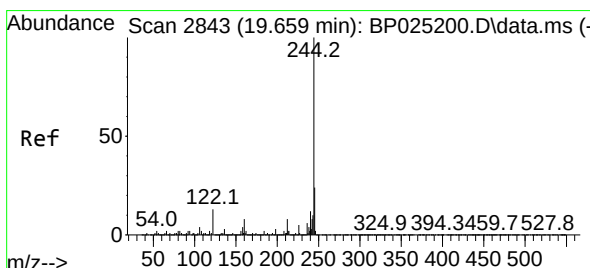
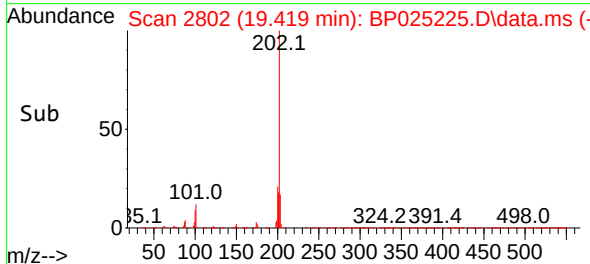
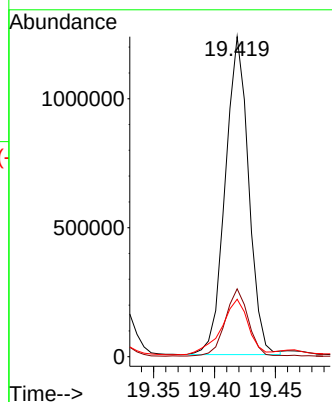
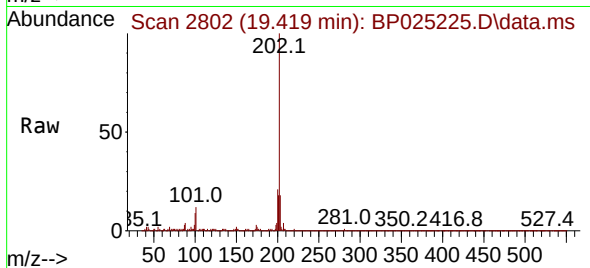
Tgt Ion:202 Resp: 1648299

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 41.633 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

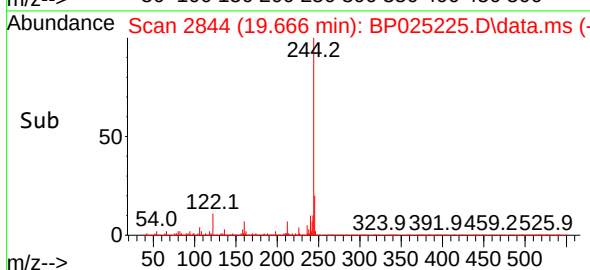
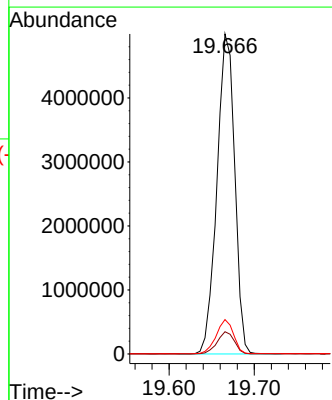
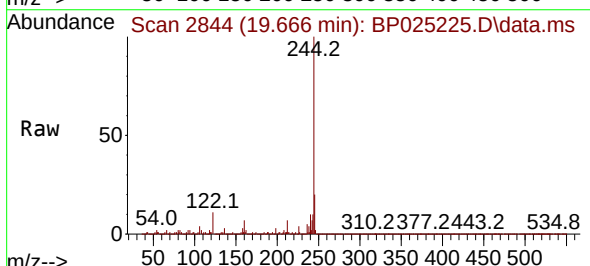
Tgt Ion:244 Resp: 7252208

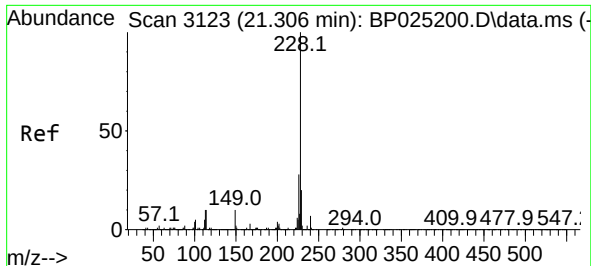
Ion Ratio Lower Upper

244 100

212 7.0 6.6 9.8

122 10.8 10.3 15.5

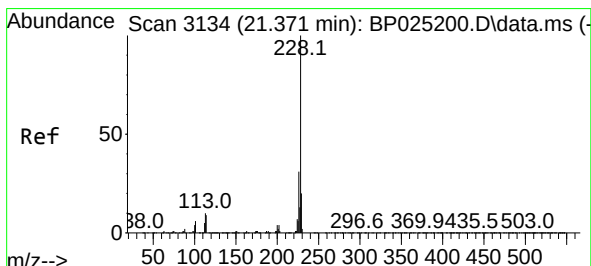
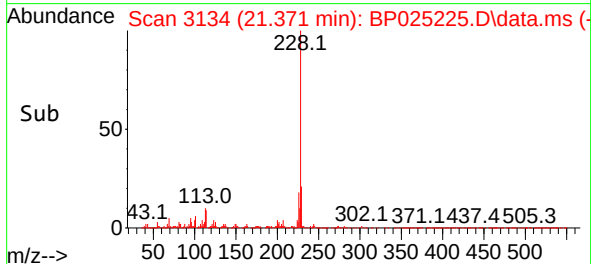
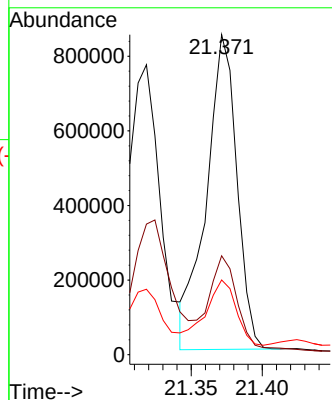
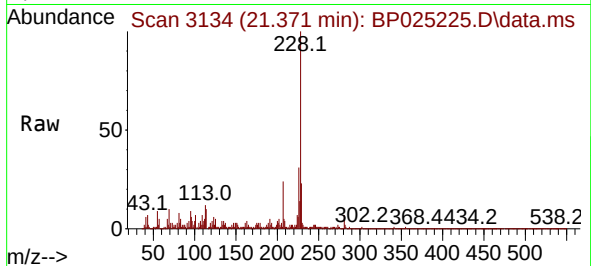




#81
Benzo(a)anthracene
Concen: 5.808 ng
RT: 21.371 min Scan# 3123
Delta R.T. 0.065 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

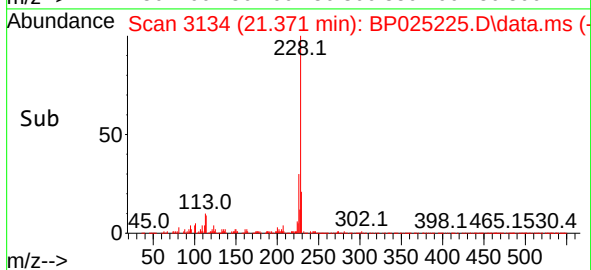
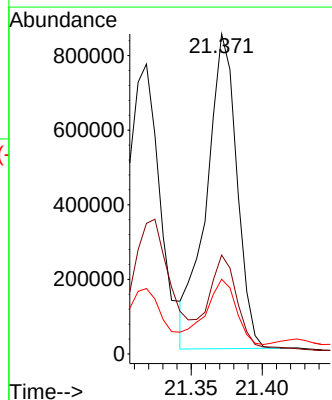
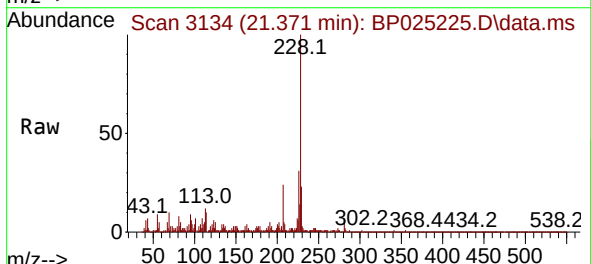
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725

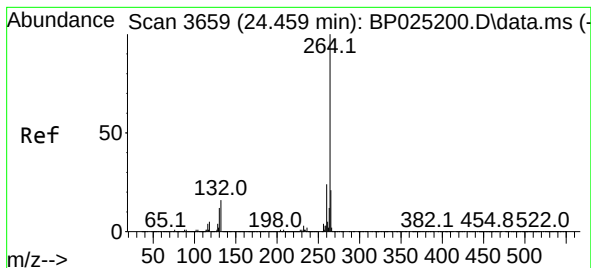
Tgt Ion:228 Resp: 1261232
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 23.3 16.2 24.2



#83
Chrysene
Concen: 6.222 ng
RT: 21.371 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:228 Resp: 1261232
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 23.3 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: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

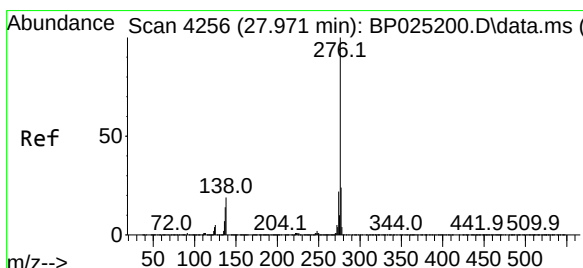
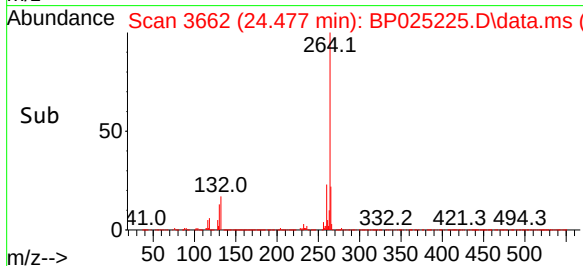
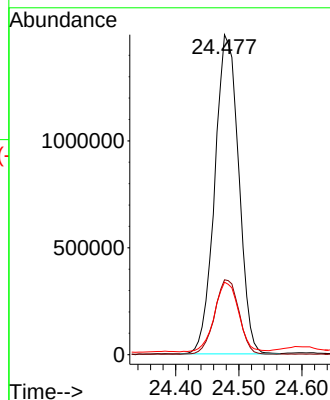
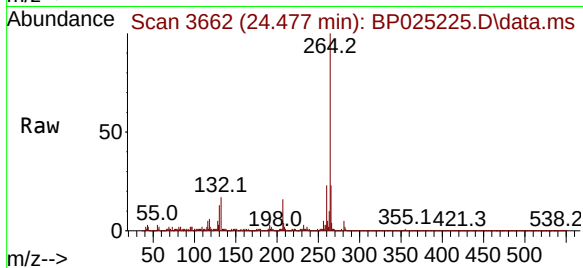
Tgt Ion:264 Resp: 3928190

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 22.6 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.435 ng

RT: 28.006 min Scan# 4262

Delta R.T. 0.036 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

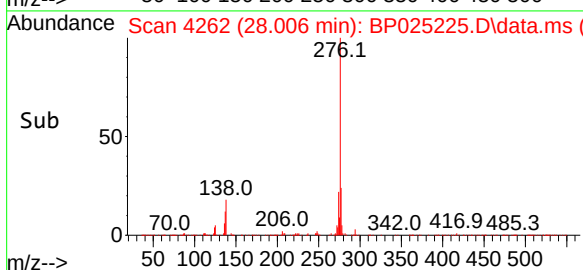
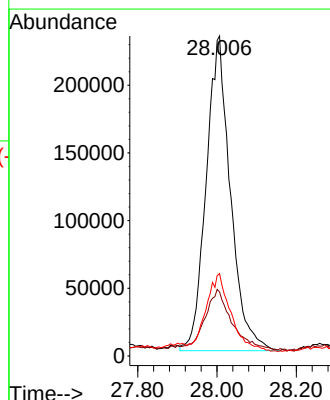
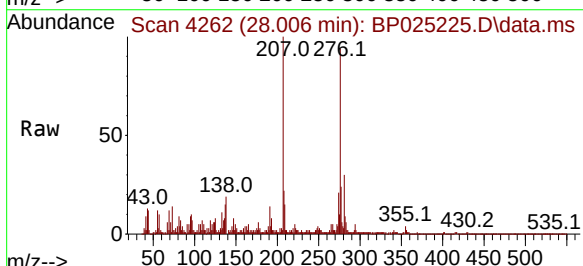
Tgt Ion:276 Resp: 986165

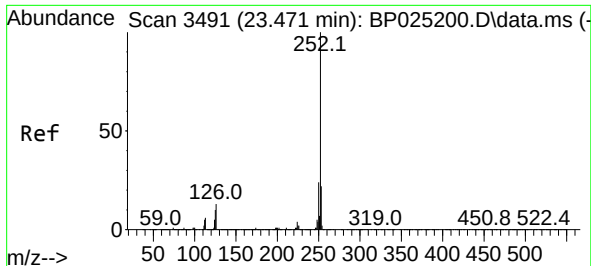
Ion Ratio Lower Upper

276 100

138 21.3 12.8 19.2#

277 25.6 20.3 30.5

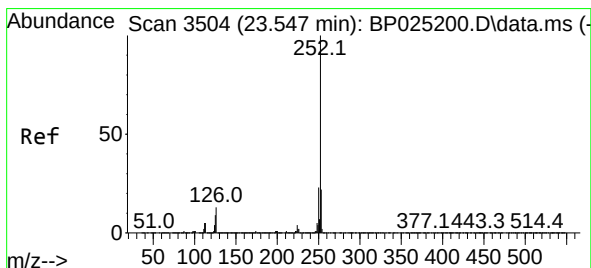
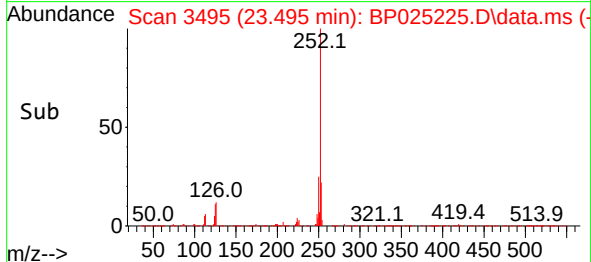
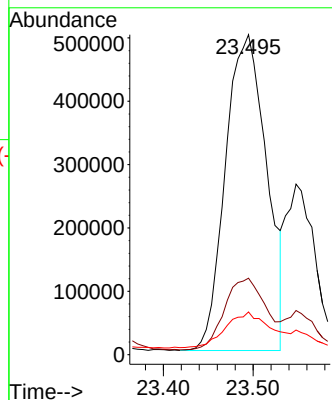
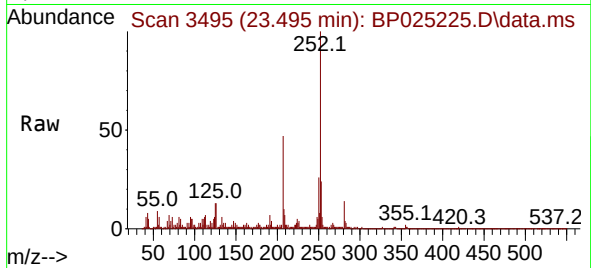




#88
Benzo(b)fluoranthene
Concen: 7.066 ng
RT: 23.495 min Scan# 3495
Delta R.T. 0.024 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

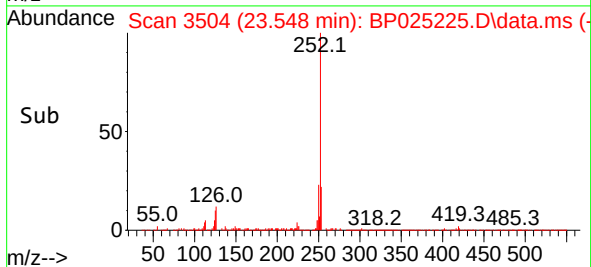
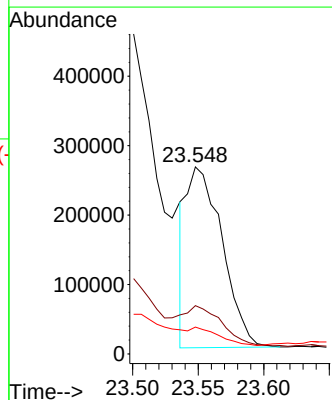
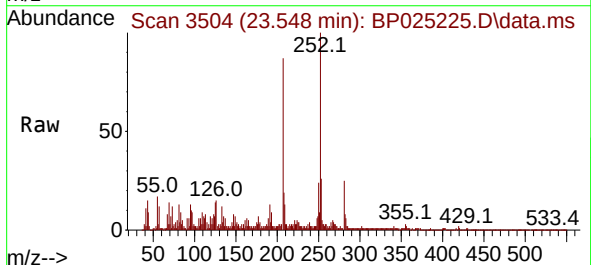
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725

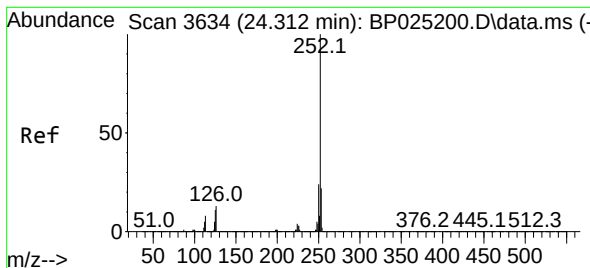
Tgt Ion:252 Resp: 1588865
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 13.4 7.8 11.8#



#89
Benzo(k)fluoranthene
Concen: 2.217 ng
RT: 23.548 min Scan# 3504
Delta R.T. 0.000 min
Lab File: BP025225.D
Acq: 23 Jul 2025 15:32

Tgt Ion:252 Resp: 492166
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.6
125 14.4 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.303 ng

RT: 24.324 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725

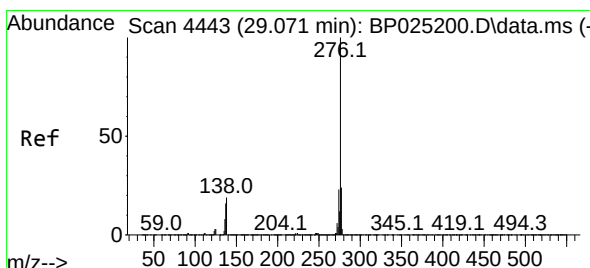
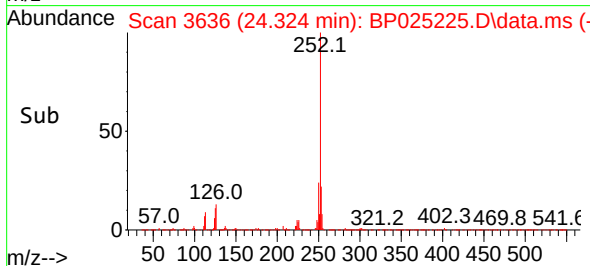
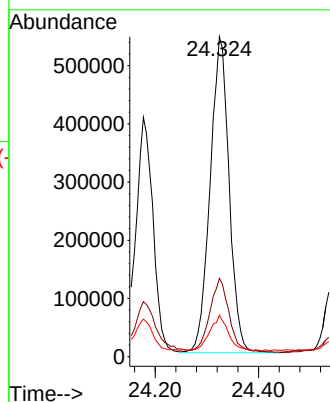
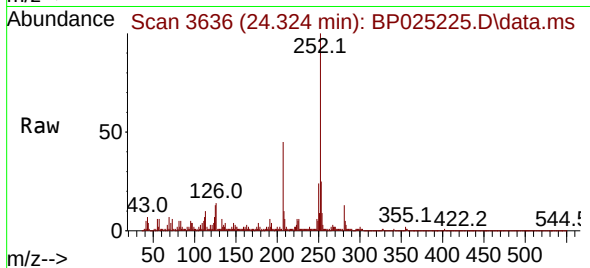
Tgt Ion:252 Resp: 1382716

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

125 13.0 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 4.294 ng

RT: 29.100 min Scan# 4448

Delta R.T. 0.030 min

Lab File: BP025225.D

Acq: 23 Jul 2025 15:32

Tgt Ion:276 Resp: 988302

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 21.2 15.4 23.2

