

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
 Data File : BP025216.D
 Acq On : 22 Jul 2025 15:59
 Operator : CG/JU
 Sample : Q2638-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 22 16:36:25 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)

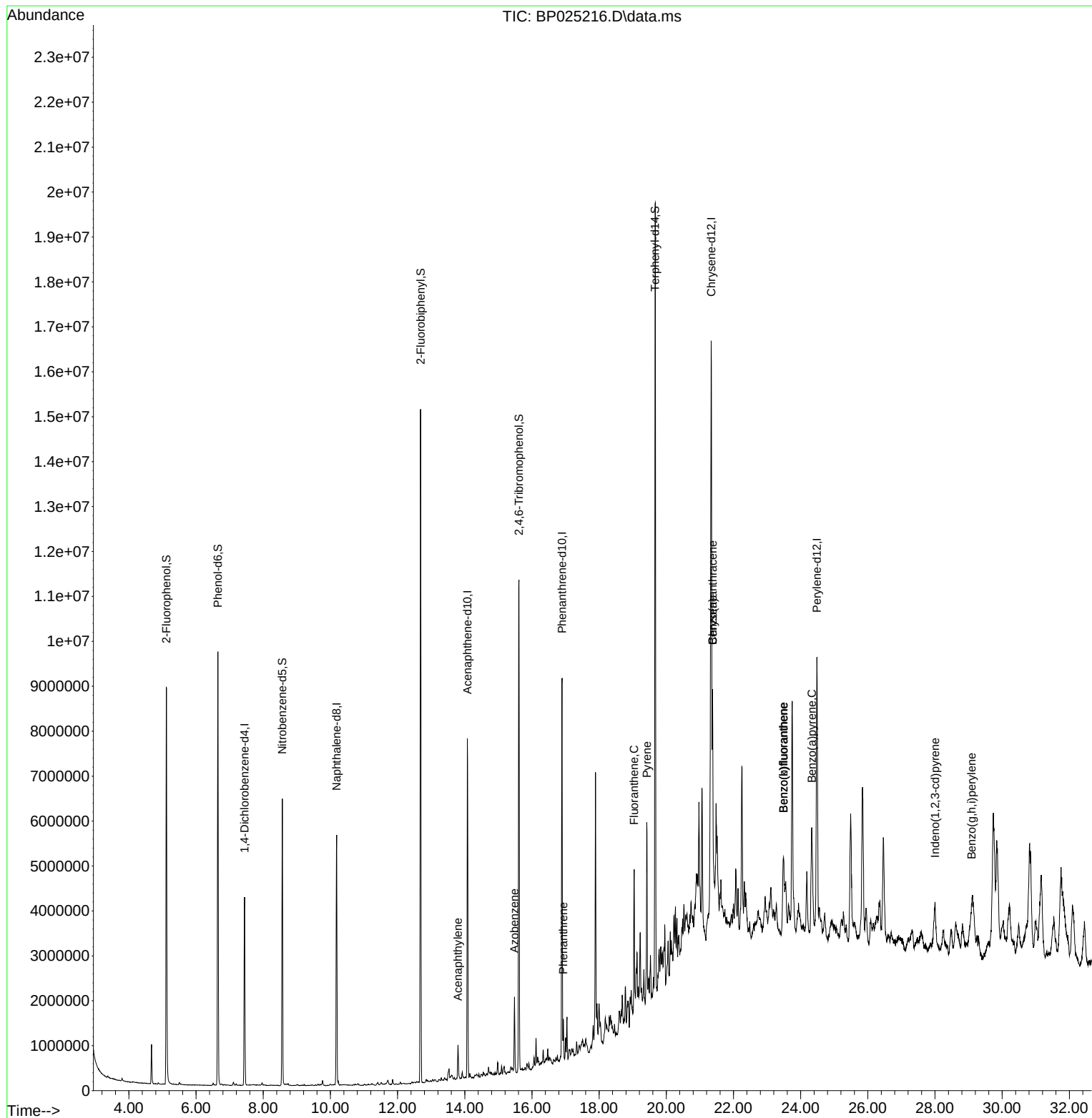
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	1303058	20.000	ng	0.01
21) Naphthalene-d8	10.184	136	4916558	20.000	ng	0.00
39) Acenaphthene-d10	14.078	164	2932051	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	5293009	20.000	ng	0.00
76) Chrysene-d12	21.336	240	5041029	20.000	ng	0.01
86) Perylene-d12	24.483	264	5921704	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.119	112	4684975	60.749	ng	0.02
7) Phenol-d6	6.649	99	5663577	59.294	ng	0.01
23) Nitrobenzene-d5	8.566	82	3563531	40.280	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	2632808	60.910	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	8346644	40.133	ng	0.00
79) Terphenyl-d14	19.666	244	10716235	41.964	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.795	152	636941	2.373	ng	100
63) Azobenzene	15.478	77	421734	2.504	ng	# 1
71) Phenanthrene	16.930	178	617965	2.165	ng	99
75) Fluoranthene	19.042	202	2014194	5.995	ng	100
78) Pyrene	19.419	202	2453628	7.894	ng	98
81) Benzo(a)anthracene	21.377	228	1911912	6.006	ng	94
83) Chrysene	21.377	228	1911912	6.434	ng	97
87) Indeno(1,2,3-cd)pyrene	28.000	276	1532684	3.542	ng	# 94
88) Benzo(b)fluoranthene	23.489	252	2488989	7.343	ng	# 95
89) Benzo(k)fluoranthene	23.489	252	2488989	7.438	ng	# 95
90) Benzo(a)pyrene	24.330	252	2132127	6.447	ng	96
92) Benzo(g,h,i)perylene	29.089	276	1495248	4.310	ng	97

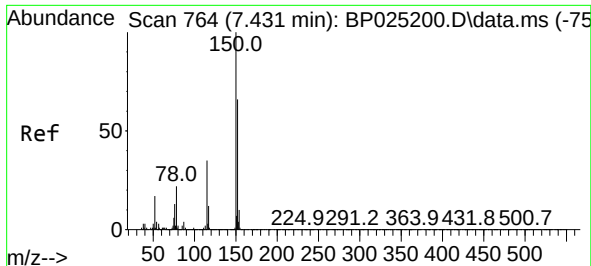
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 22 16:36:25 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

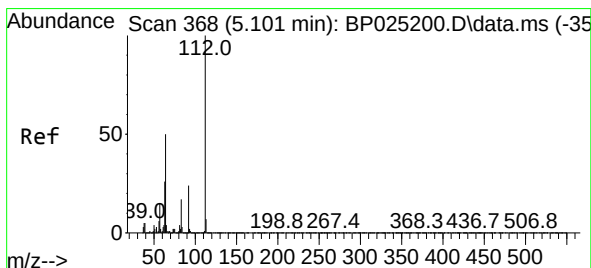
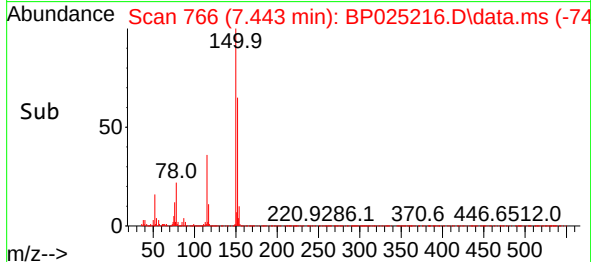
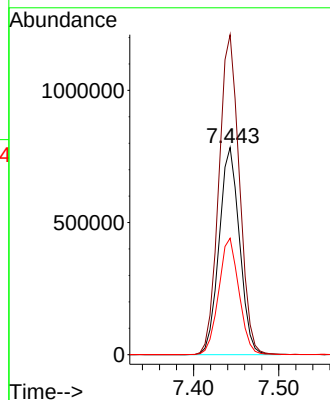
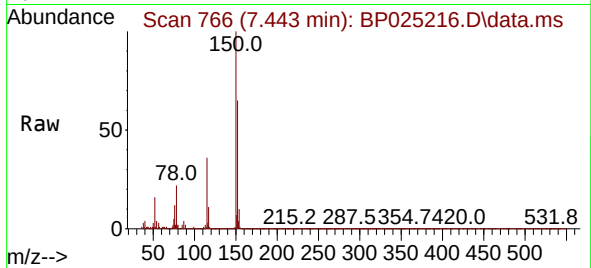




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.443 min Scan# 70
 Delta R.T. 0.012 min
 Lab File: BP025216.D
 Acq: 22 Jul 2025 15:59

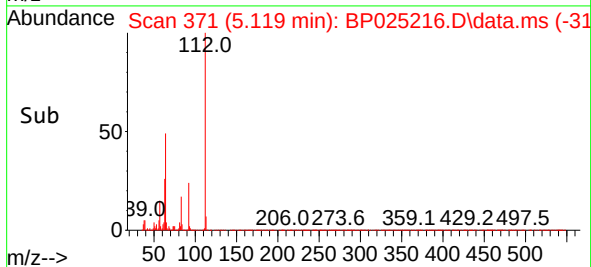
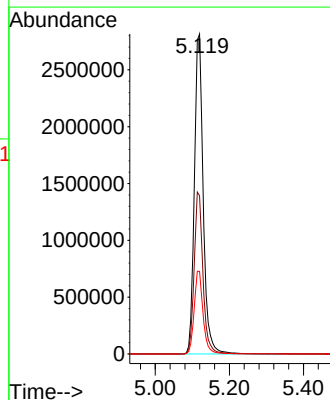
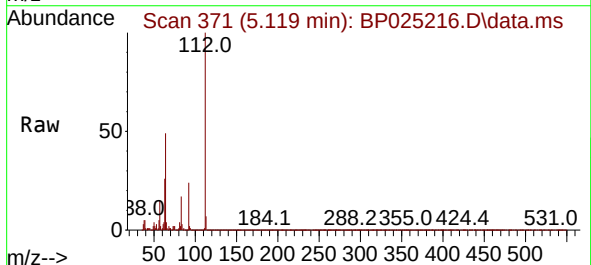
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725RE

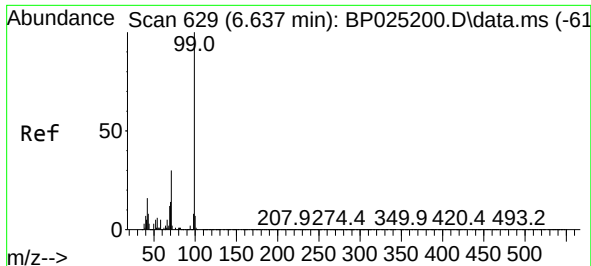
Tgt Ion:152 Resp: 1303058
 Ion Ratio Lower Upper
 152 100
 150 154.4 121.9 182.9
 115 56.2 43.0 64.6



#5
 2-Fluorophenol
 Concen: 60.749 ng
 RT: 5.119 min Scan# 371
 Delta R.T. 0.018 min
 Lab File: BP025216.D
 Acq: 22 Jul 2025 15:59

Tgt Ion:112 Resp: 4684975
 Ion Ratio Lower Upper
 112 100
 64 49.5 39.8 59.6
 63 25.8 20.5 30.7

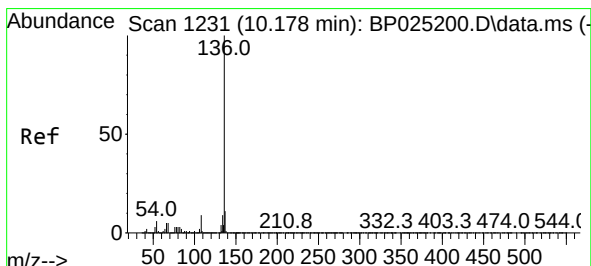
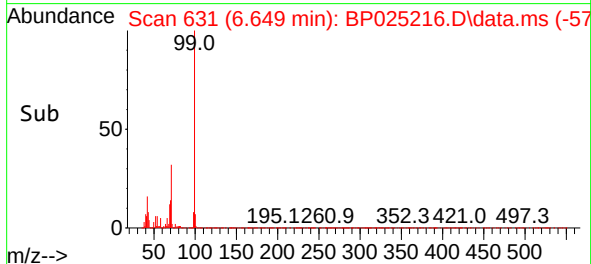
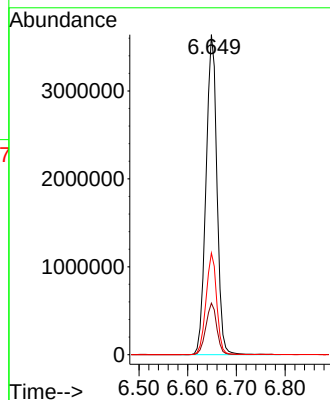
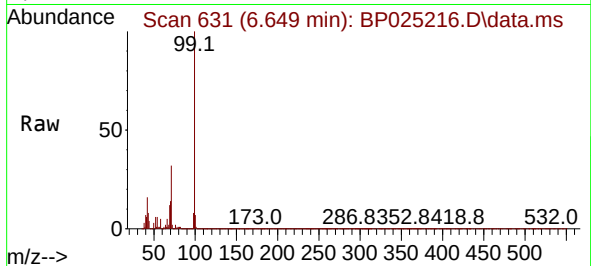




#7
Phenol-d6
Concen: 59.294 ng
RT: 6.649 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

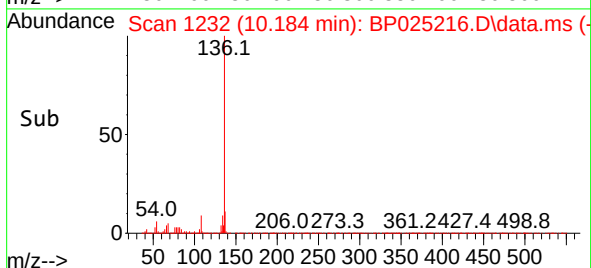
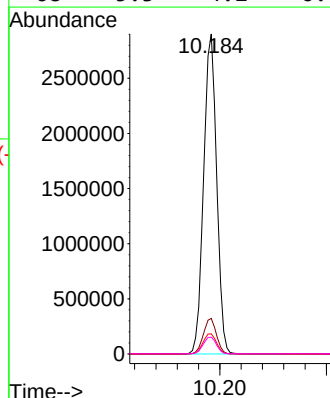
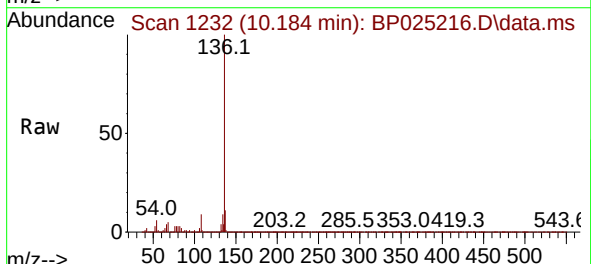
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

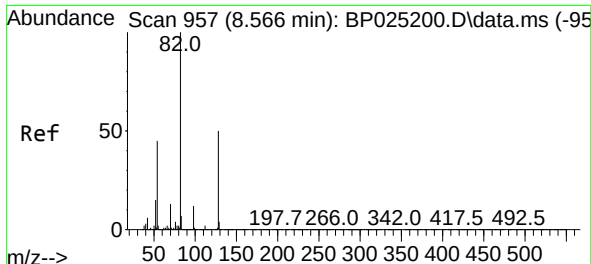
Tgt Ion: 99 Resp: 5663577
Ion Ratio Lower Upper
99 100
42 16.1 12.5 18.7
71 31.7 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.184 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

Tgt Ion:136 Resp: 4916558
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.3 5.1 7.7
68 5.3 4.2 6.4

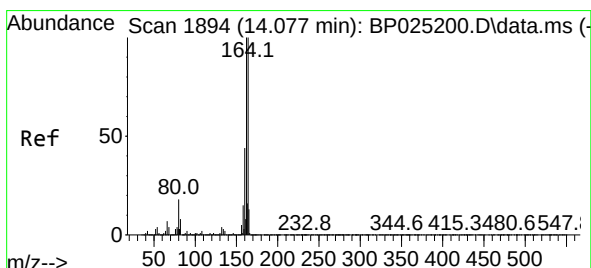
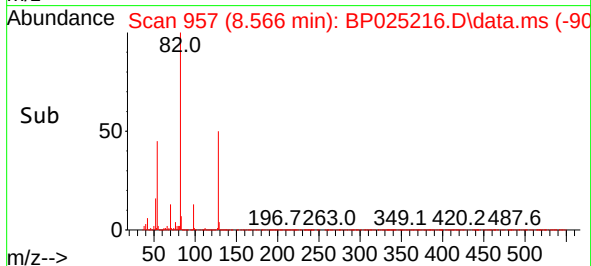
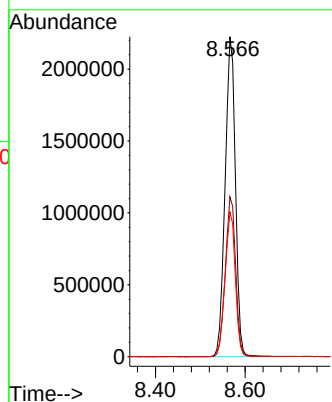
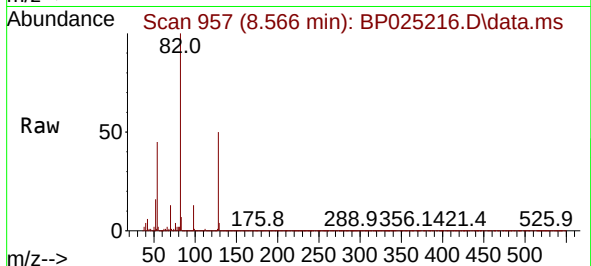




#23
Nitrobenzene-d5
Concen: 40.280 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

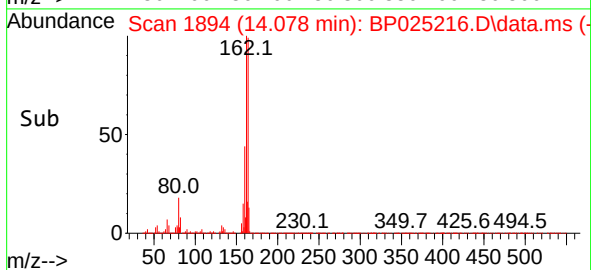
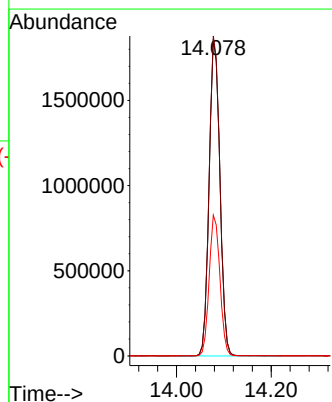
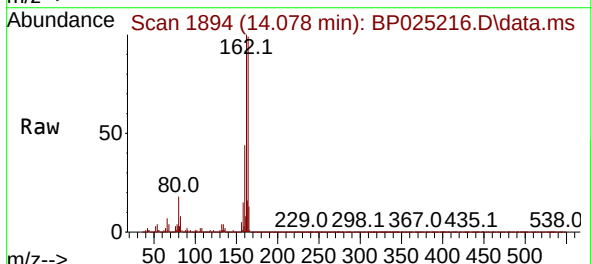
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

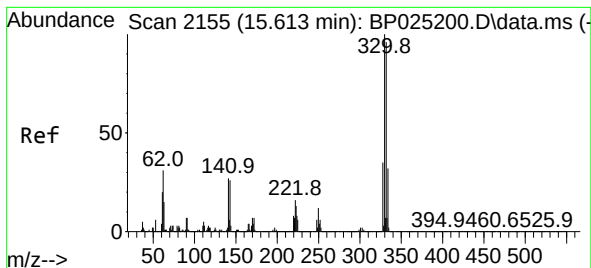
Tgt Ion: 82 Resp: 3563531
Ion Ratio Lower Upper
82 100
128 50.0 40.2 60.4
54 45.2 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.078 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

Tgt Ion:164 Resp: 2932051
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 44.4 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 60.910 ng

RT: 15.613 min Scan# 2155

Delta R.T. 0.000 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

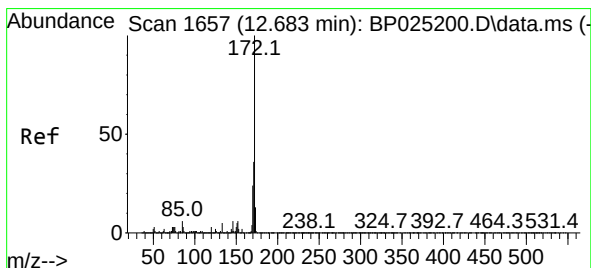
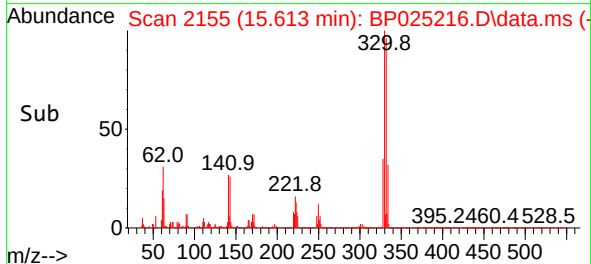
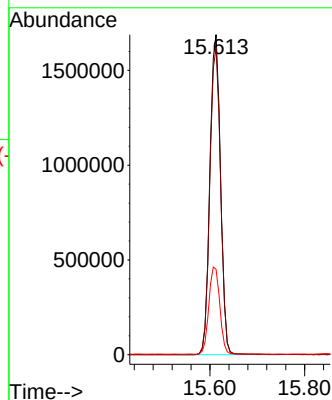
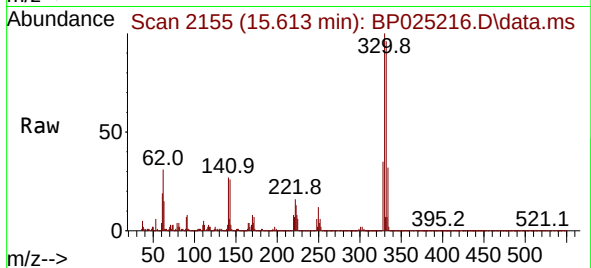
Tgt Ion:330 Resp: 2632808

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 28.1 22.4 33.6



#45

2-Fluorobiphenyl

Concen: 40.133 ng

RT: 12.684 min Scan# 1657

Delta R.T. 0.000 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

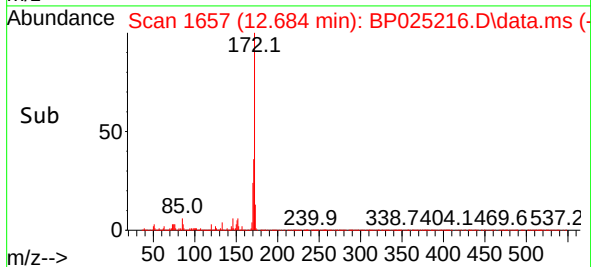
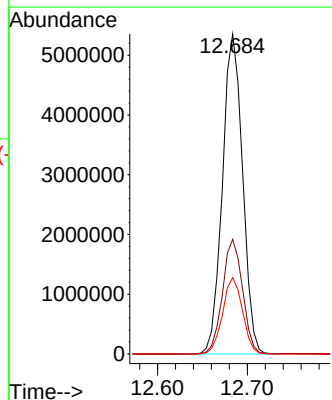
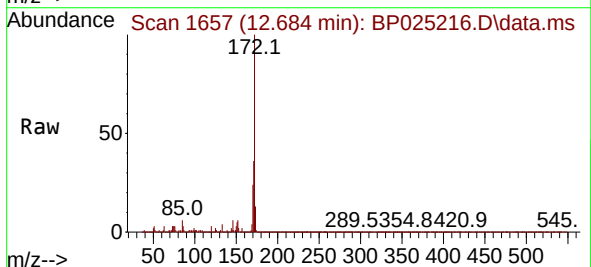
Tgt Ion:172 Resp: 8346644

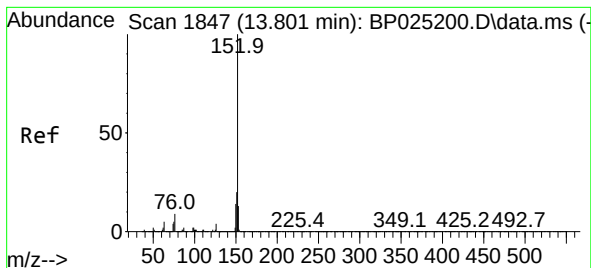
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.9 19.2 28.8





#49

Acenaphthylene

Concen: 2.373 ng

RT: 13.795 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

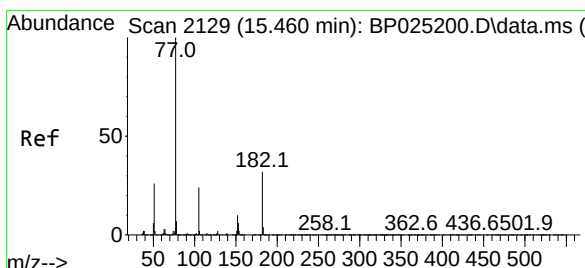
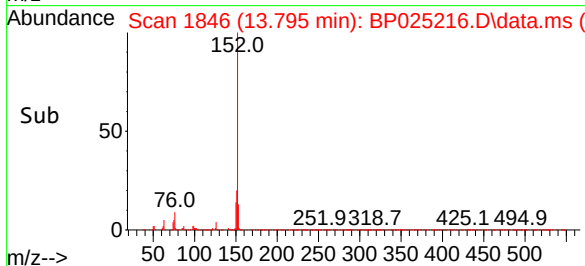
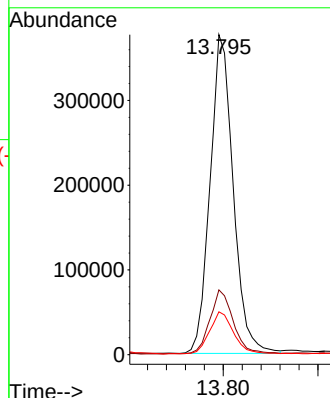
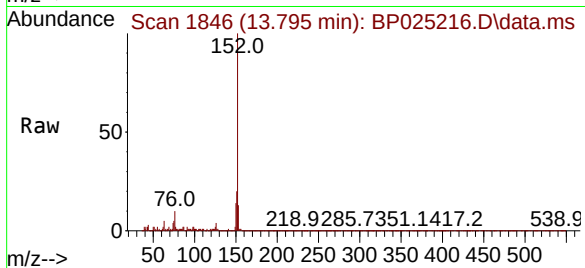
Tgt Ion:152 Resp: 636941

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

153 13.4 10.6 15.8



#63

Azobenzene

Concen: 2.504 ng

RT: 15.478 min Scan# 2132

Delta R.T. 0.018 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Tgt Ion: 77 Resp: 421734

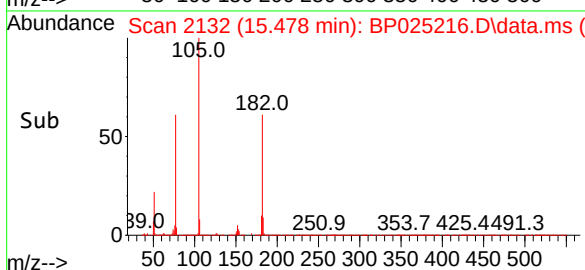
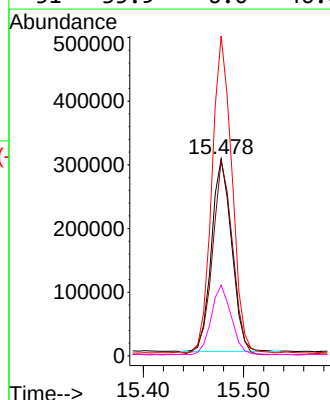
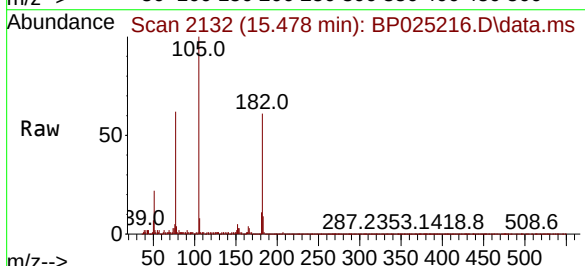
Ion Ratio Lower Upper

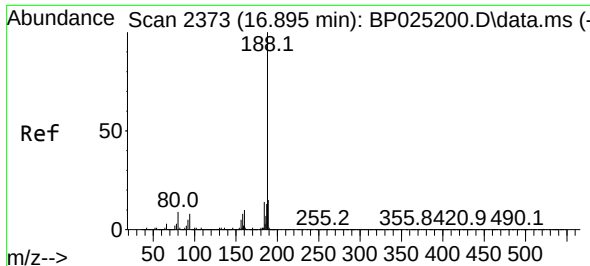
77 100

182 99.3 12.0 52.0#

105 162.5 3.6 43.6#

51 35.9 6.0 46.0

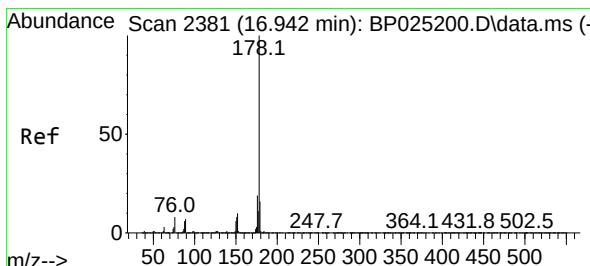
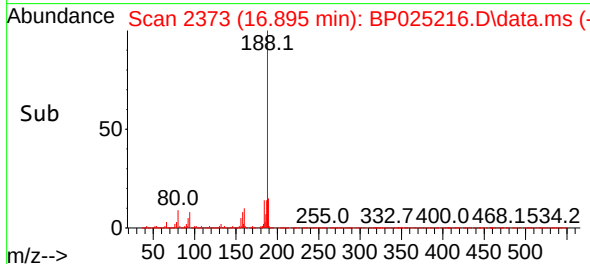
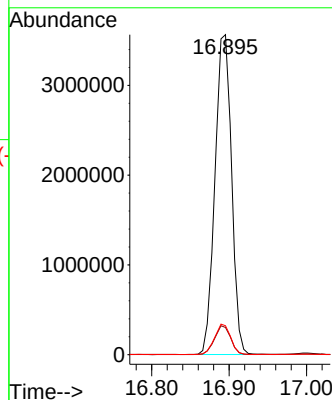
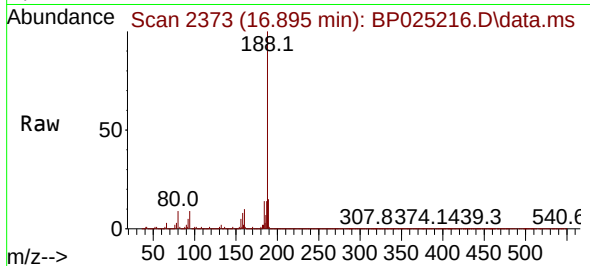




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

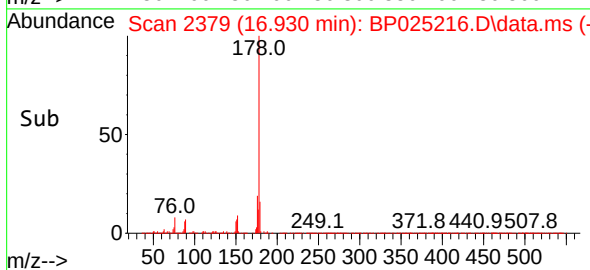
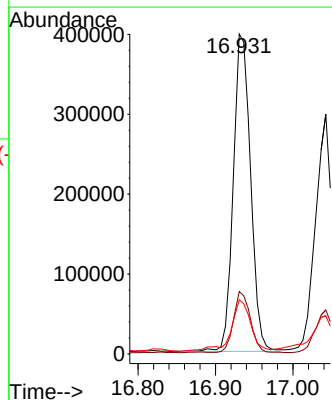
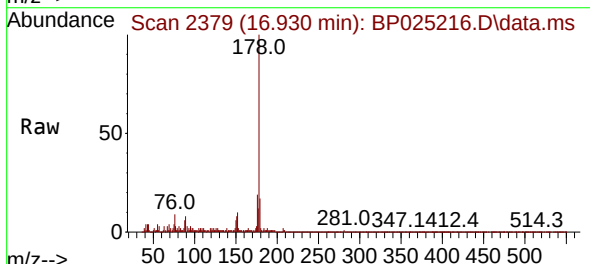
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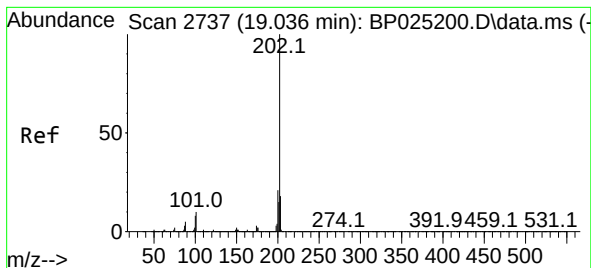
Tgt Ion:188 Resp: 5293009
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.0 7.3 10.9



#71
Phenanthrene
Concen: 2.165 ng
RT: 16.930 min Scan# 2379
Delta R.T. -0.011 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

Tgt Ion:178 Resp: 617965
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 16.9 12.5 18.7





#75

Fluoranthene

Concen: 5.995 ng

RT: 19.042 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

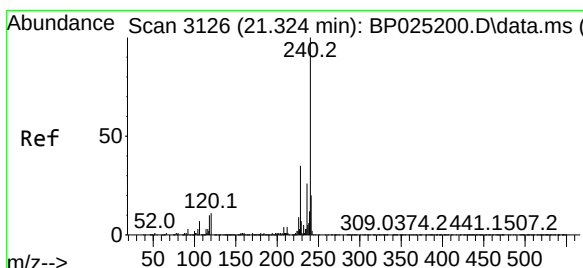
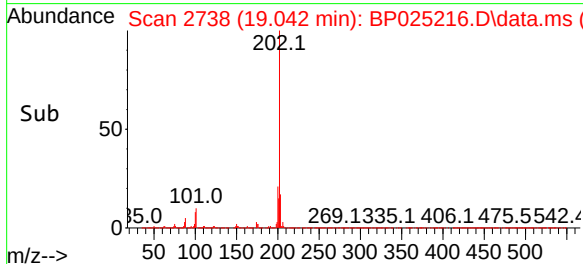
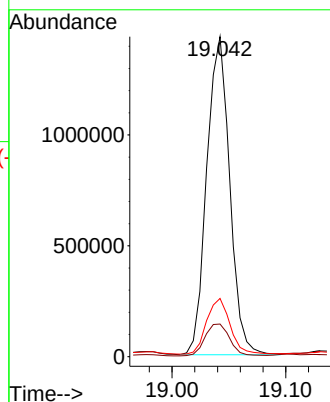
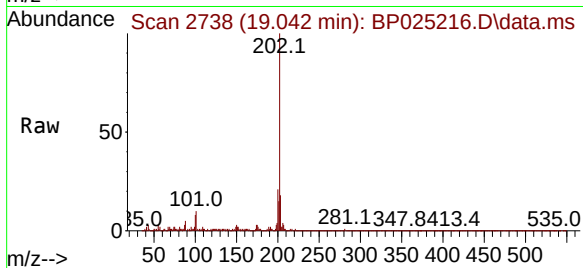
BNA_P

ClientSampleId :

OU4-TS-36-071725RE

Tgt Ion:202 Resp: 2014194

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.3
203	18.2	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.336 min Scan# 3128

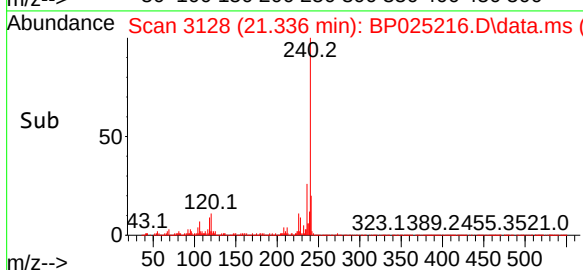
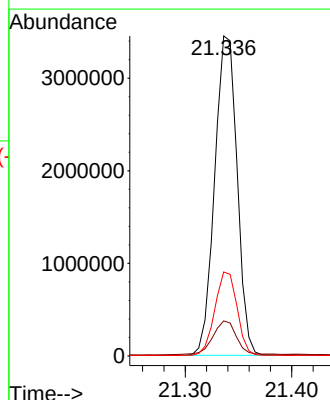
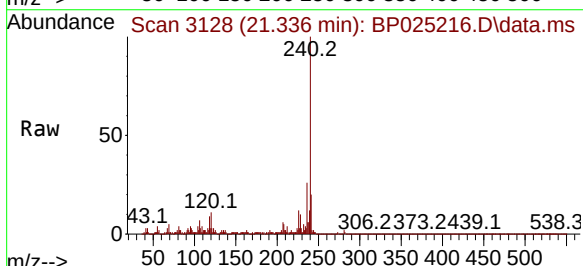
Delta R.T. 0.012 min

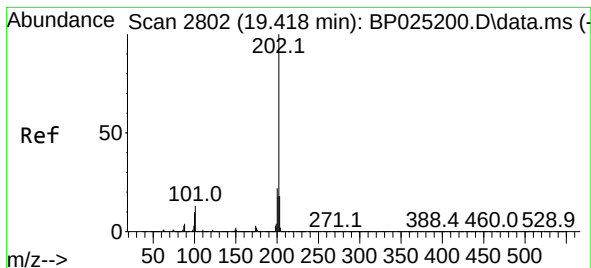
Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Tgt Ion:240 Resp: 5041029

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.8	13.2
236	26.2	20.9	31.3





#78

Pyrene

Concen: 7.894 ng

RT: 19.419 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

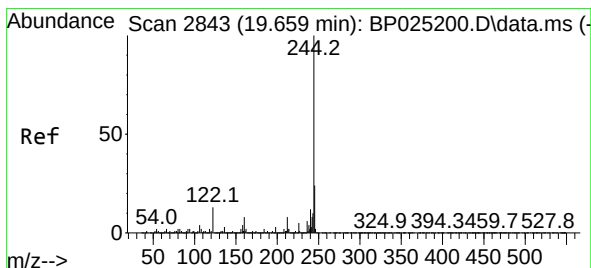
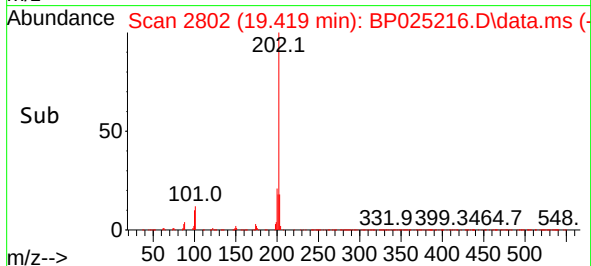
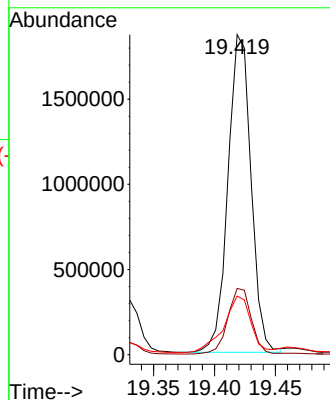
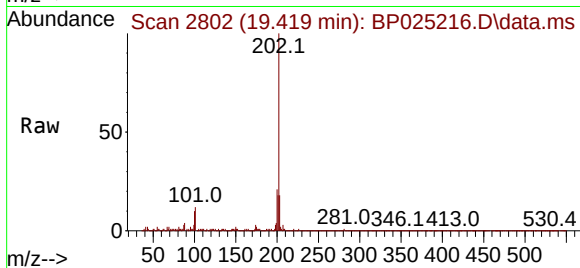
Tgt Ion:202 Resp: 2453628

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 41.964 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

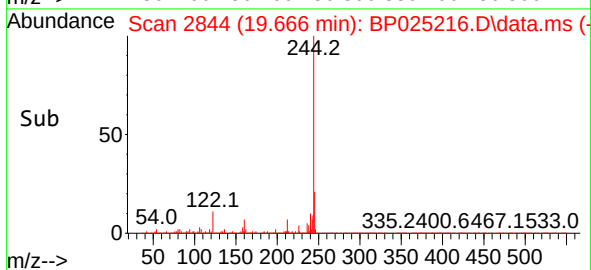
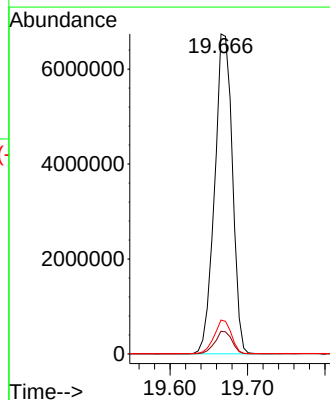
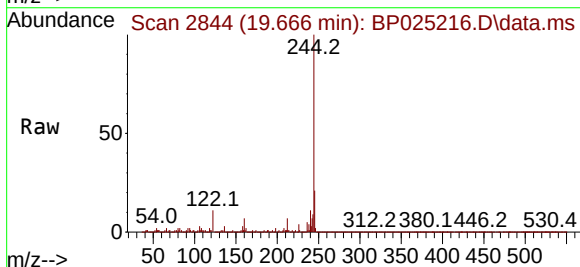
Tgt Ion:244 Resp:10716235

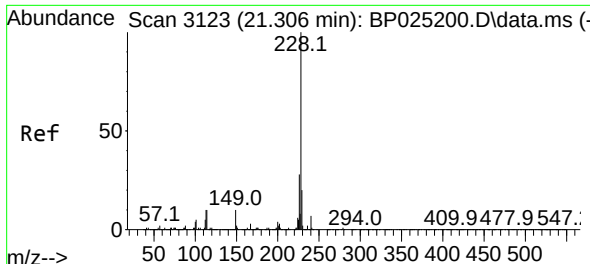
Ion Ratio Lower Upper

244 100

212 7.1 6.6 9.8

122 10.6 10.3 15.5

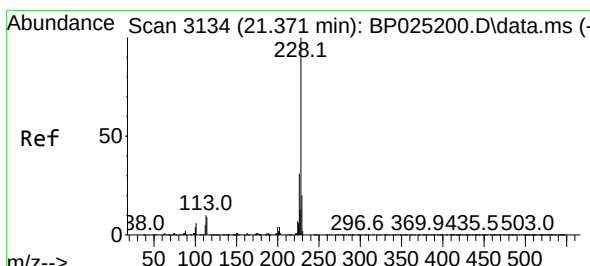
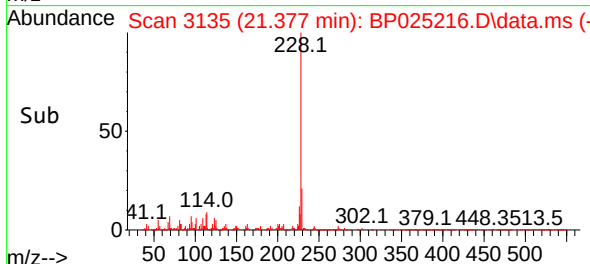
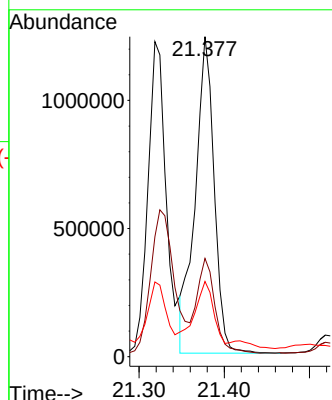
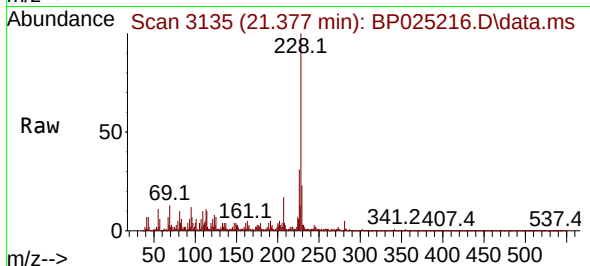




#81
Benzo(a)anthracene
Concen: 6.006 ng
RT: 21.377 min Scan# 3135
Delta R.T. 0.071 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

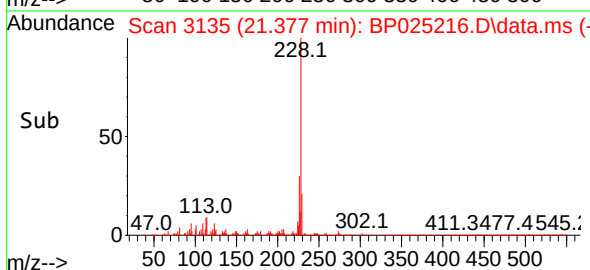
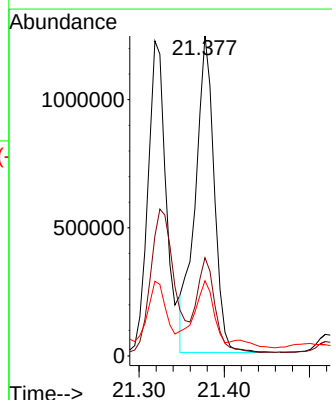
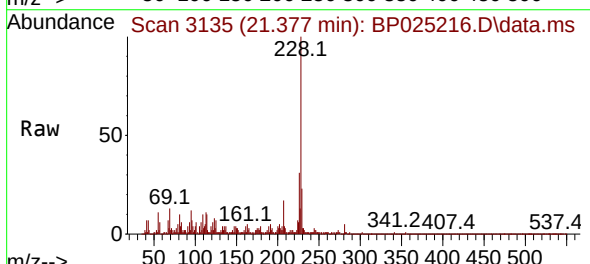
Instrument :
BNA_P
ClientSampleId :
OU4-TS-36-071725RE

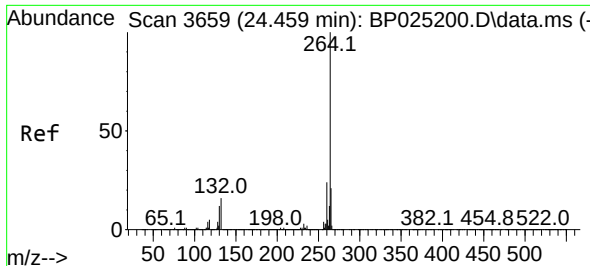
Tgt Ion:228 Resp: 1911912
Ion Ratio Lower Upper
228 100
226 30.7 22.3 33.5
229 23.5 16.2 24.2



#83
Chrysene
Concen: 6.434 ng
RT: 21.377 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP025216.D
Acq: 22 Jul 2025 15:59

Tgt Ion:228 Resp: 1911912
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 23.5 16.0 24.0

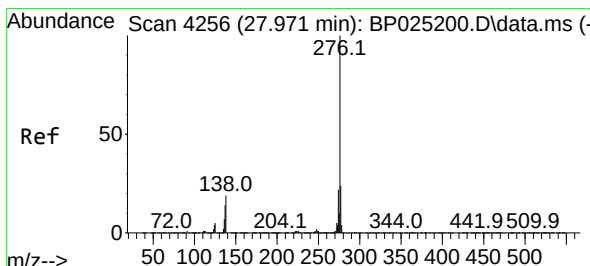
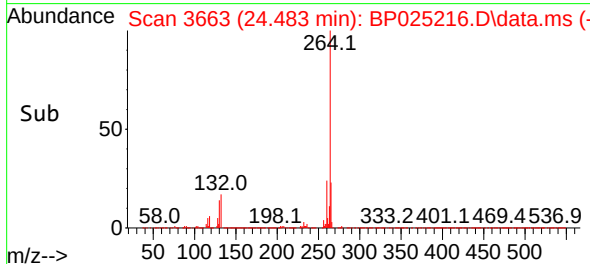
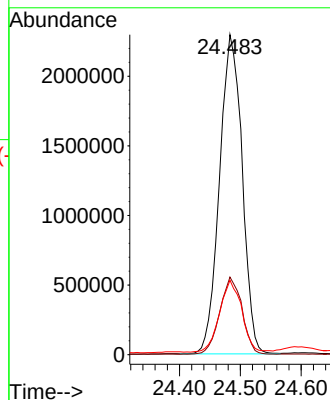
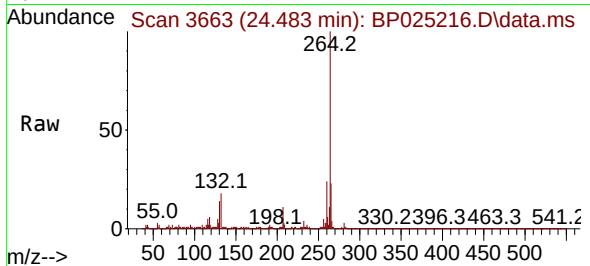




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.483 min Scan# 3663
 Delta R.T. 0.024 min
 Lab File: BP025216.D
 Acq: 22 Jul 2025 15:59

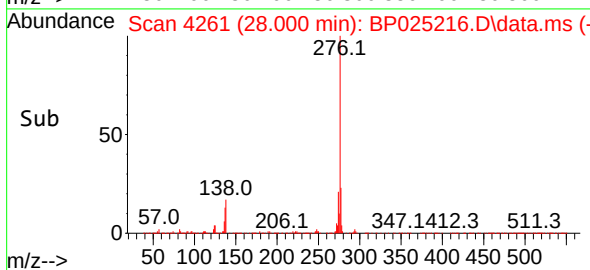
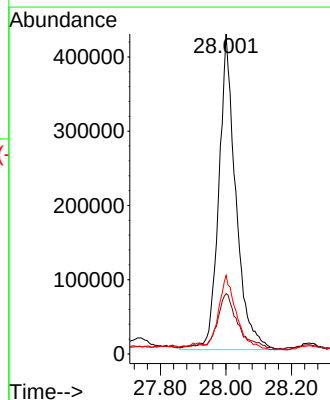
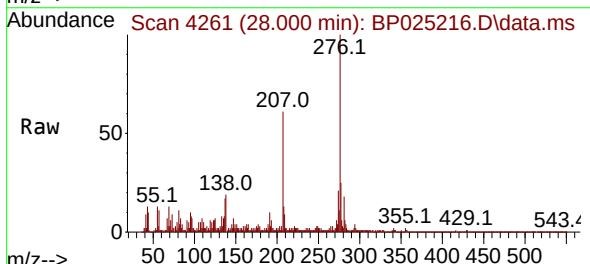
Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-36-071725RE

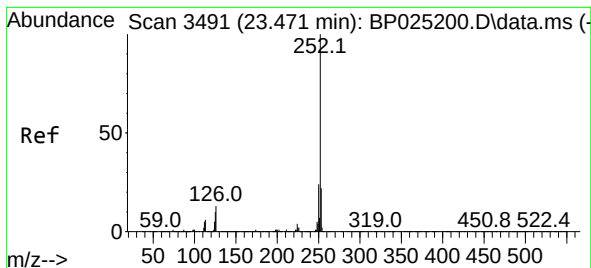
Tgt Ion:264 Resp: 5921704
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.0 28.6
 265 23.3 17.5 26.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.542 ng
 RT: 28.000 min Scan# 4261
 Delta R.T. 0.030 min
 Lab File: BP025216.D
 Acq: 22 Jul 2025 15:59

Tgt Ion:276 Resp: 1532684
 Ion Ratio Lower Upper
 276 100
 138 21.2 12.8 19.2#
 277 24.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.343 ng

RT: 23.489 min Scan# 3494

Delta R.T. 0.018 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

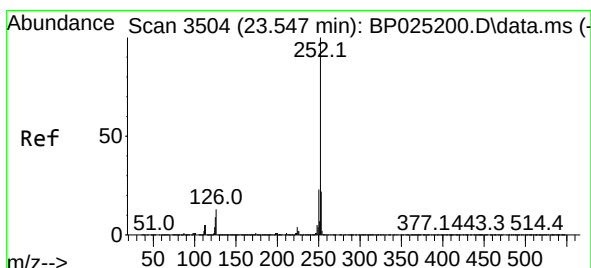
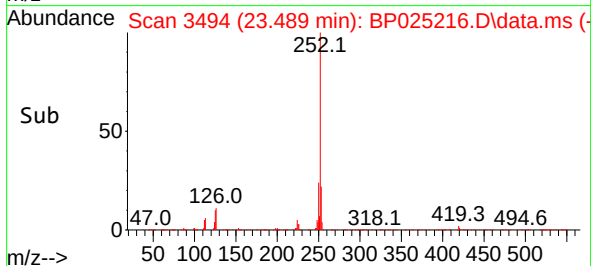
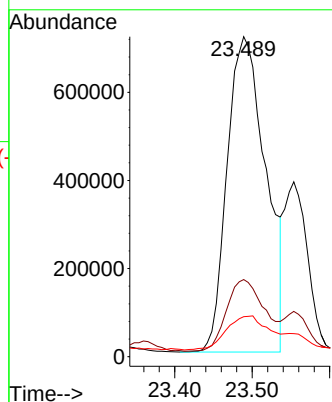
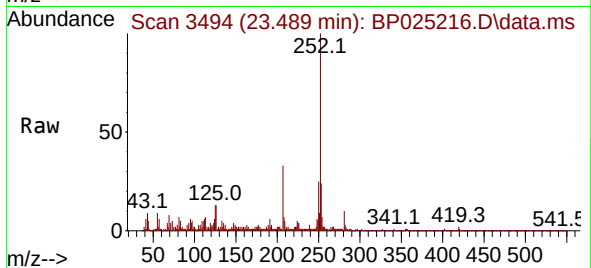
Tgt Ion:252 Resp: 2488989

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 12.5 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 7.438 ng

RT: 23.489 min Scan# 3494

Delta R.T. -0.058 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

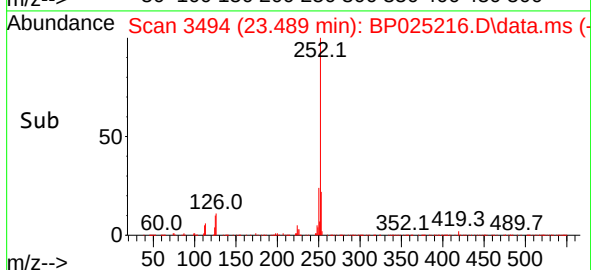
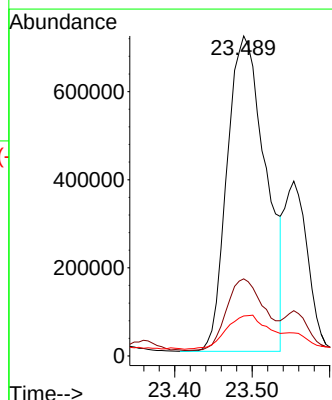
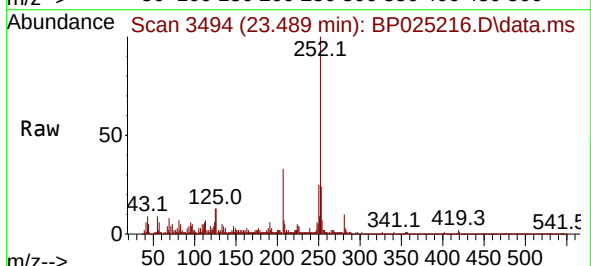
Tgt Ion:252 Resp: 2488989

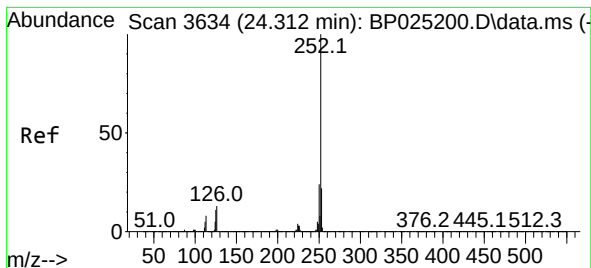
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 12.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.447 ng

RT: 24.330 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Instrument :

BNA_P

ClientSampleId :

OU4-TS-36-071725RE

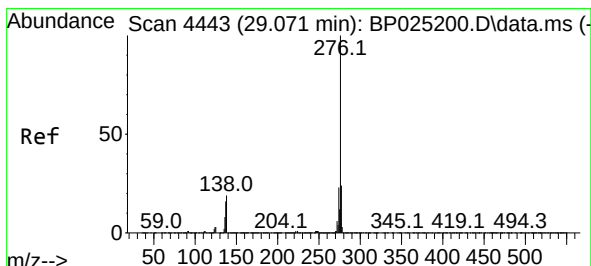
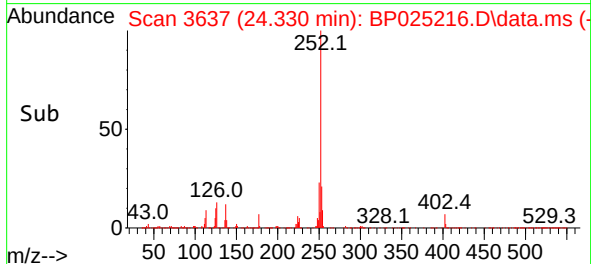
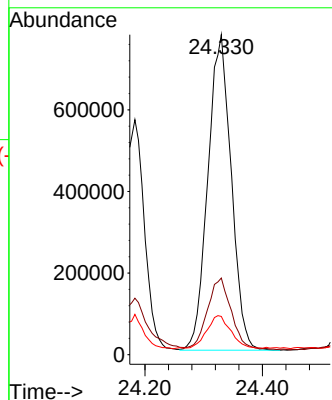
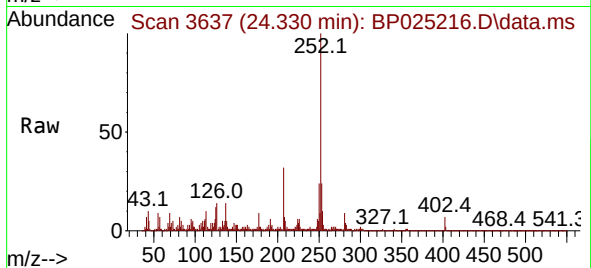
Tgt Ion:252 Resp: 2132127

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 12.0 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 4.310 ng

RT: 29.089 min Scan# 4446

Delta R.T. 0.018 min

Lab File: BP025216.D

Acq: 22 Jul 2025 15:59

Tgt Ion:276 Resp: 1495248

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 21.2 15.4 23.2

