

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072225\
 Data File : BP025212.D
 Acq On : 22 Jul 2025 13:14
 Operator : CG/JU
 Sample : Q2639-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 22 13:37:09 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)

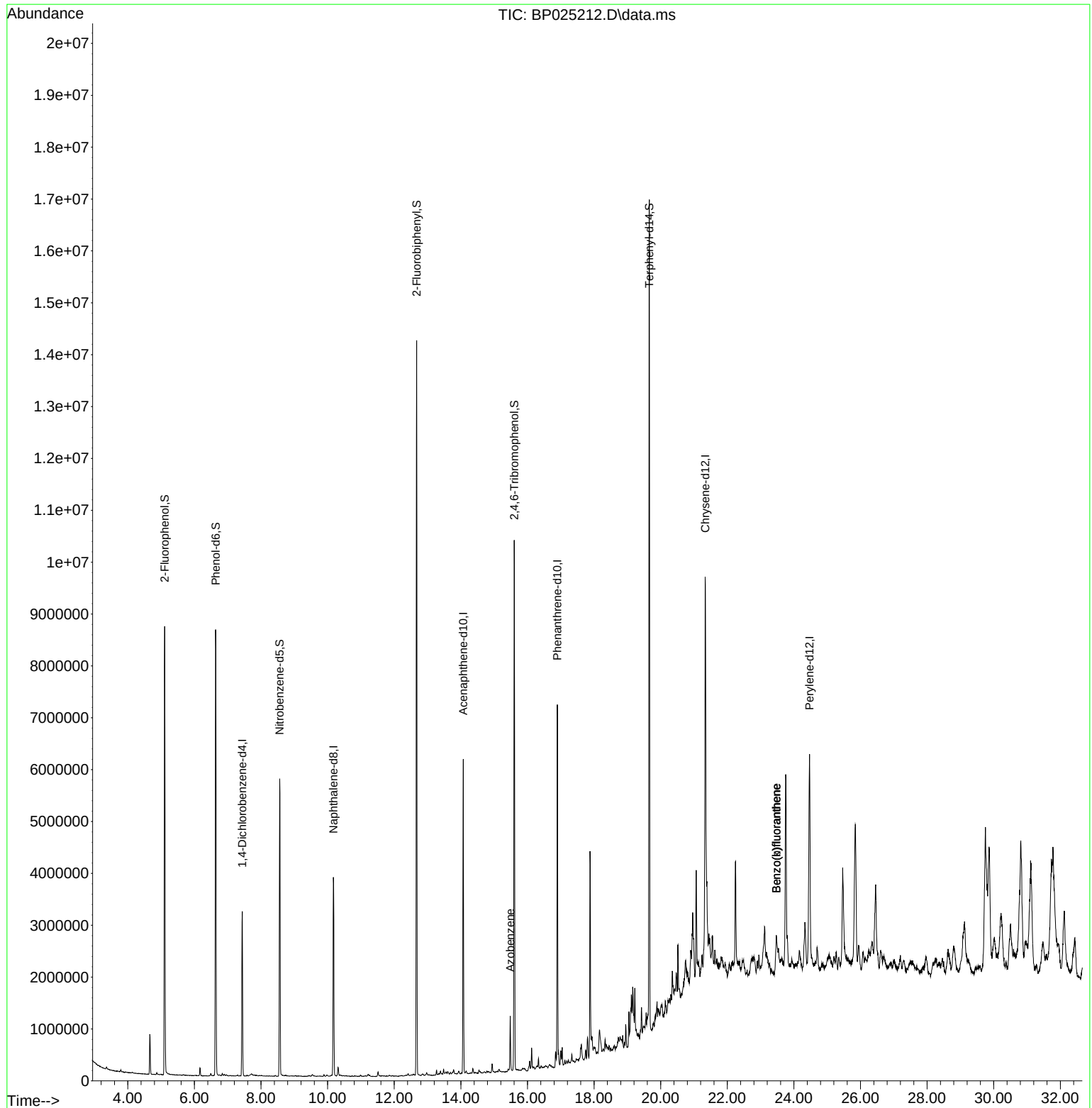
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	904868	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	3462898	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	2059504	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	3779952	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3553060	20.000	ng	0.01
86) Perylene-d12	24.471	264	4178405	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	4145506	77.408	ng	0.00
7) Phenol-d6	6.637	99	5100134	76.892	ng	0.00
23) Nitrobenzene-d5	8.560	82	3201331	51.375	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	2372489	78.141	ng	0.00
45) 2-Fluorobiphenyl	12.672	172	7198737	49.278	ng	-0.01
79) Terphenyl-d14	19.660	244	8614502	47.861	ng	0.00
Target Compounds						Qvalue
63) Azobenzene	15.484	77	258945	2.189	ng	# 1
88) Benzo(b)fluoranthene	23.477	252	524002	2.191	ng	# 95
89) Benzo(k)fluoranthene	23.477	252	524002	2.219	ng	# 95

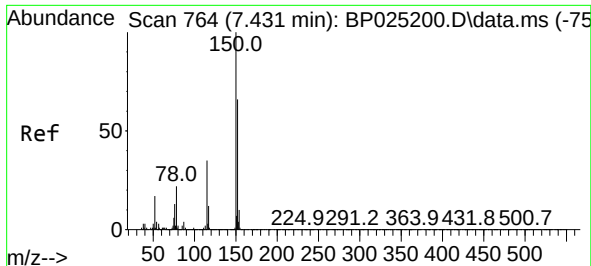
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 22 13:37:09 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

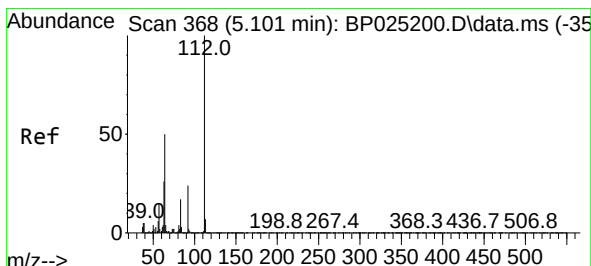
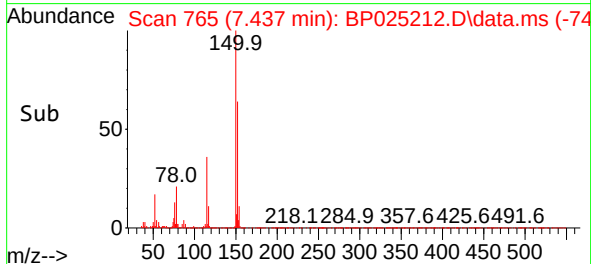
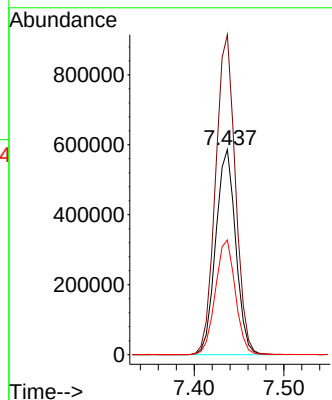
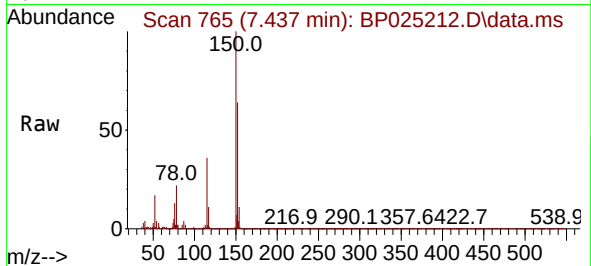




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: BP025212.D
 Acq: 22 Jul 2025 13:14

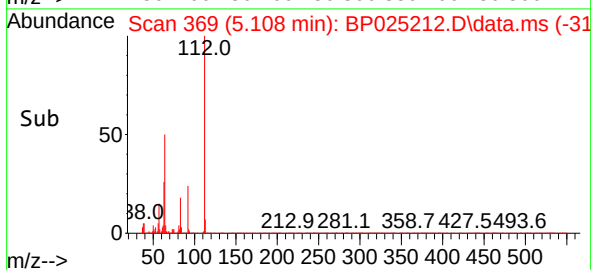
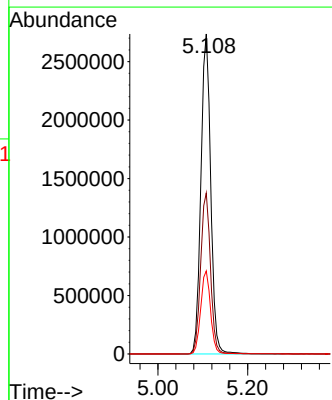
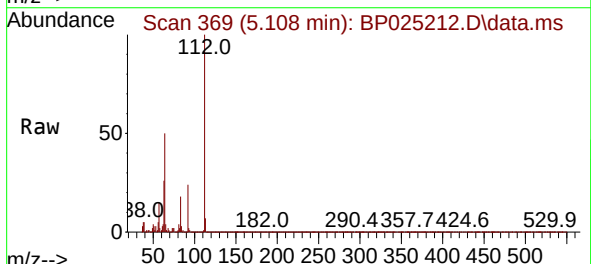
Instrument :
 BNA_P
 ClientSampleId :

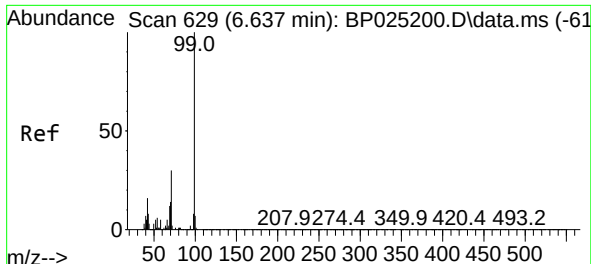
Tgt Ion:152 Resp: 904868
 Ion Ratio Lower Upper
 152 100
 150 155.9 121.9 182.9
 115 55.9 43.0 64.6



#5
 2-Fluorophenol
 Concen: 77.408 ng
 RT: 5.108 min Scan# 369
 Delta R.T. 0.006 min
 Lab File: BP025212.D
 Acq: 22 Jul 2025 13:14

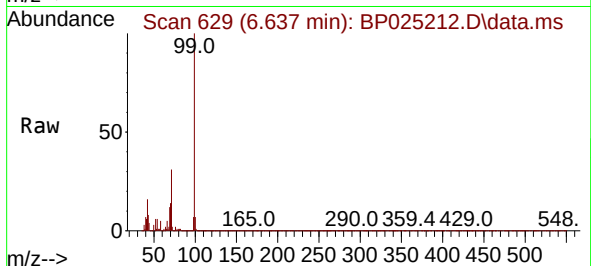
Tgt Ion:112 Resp: 4145506
 Ion Ratio Lower Upper
 112 100
 64 50.3 39.8 59.6
 63 25.9 20.5 30.7



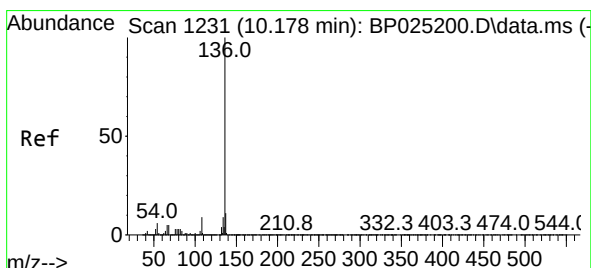
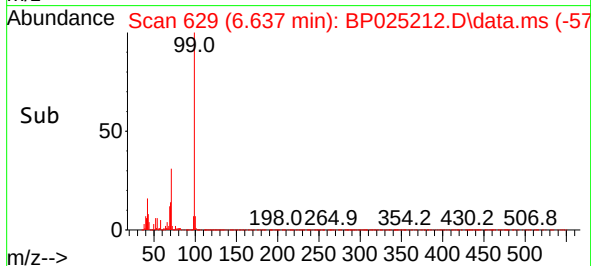
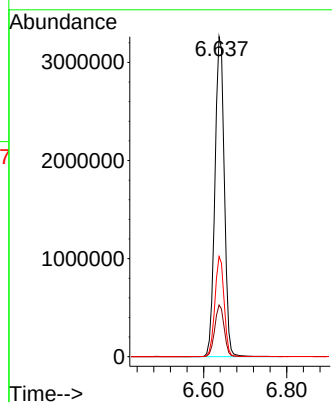


#7
Phenol-d6
Concen: 76.892 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Instrument :
BNA_P
ClientSampleId :

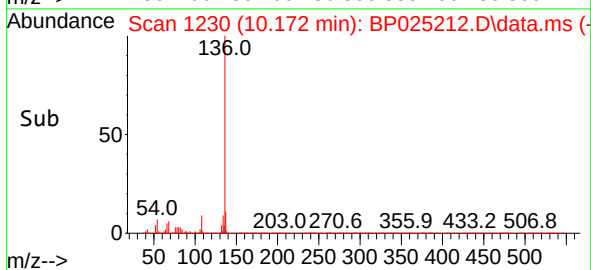
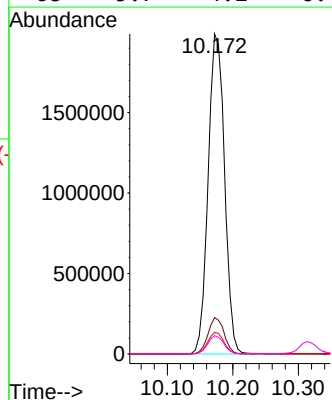
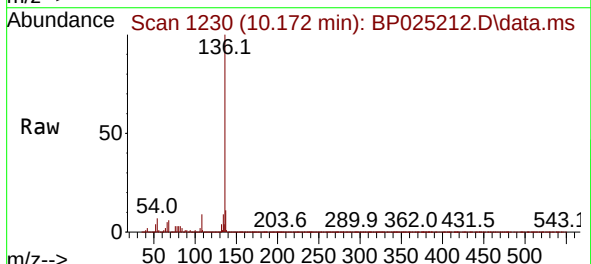


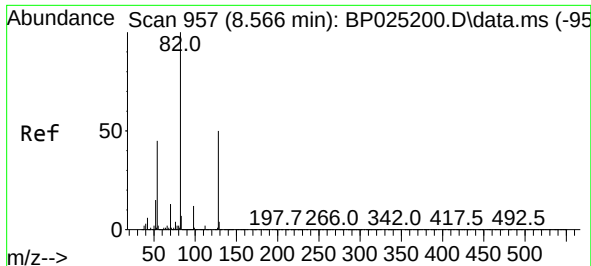
Tgt Ion: 99 Resp: 5100134
Ion Ratio Lower Upper
99 100
42 16.1 12.5 18.7
71 31.3 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.005 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Tgt Ion: 136 Resp: 3462898
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.7 5.1 7.7
68 5.7 4.2 6.4

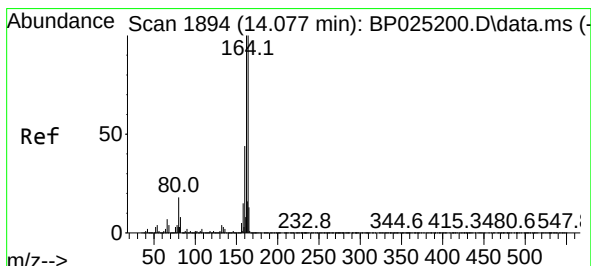
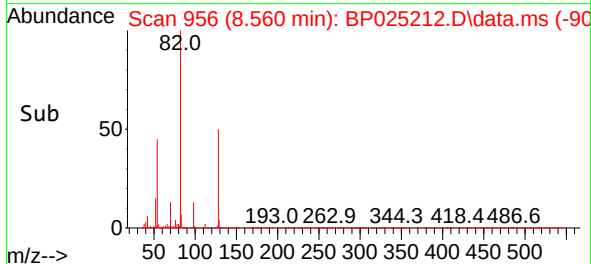
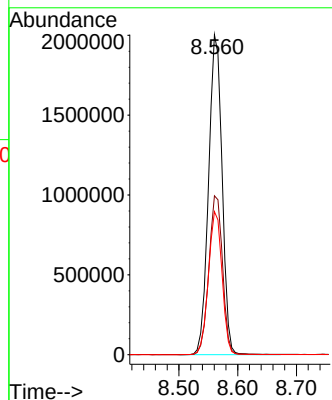
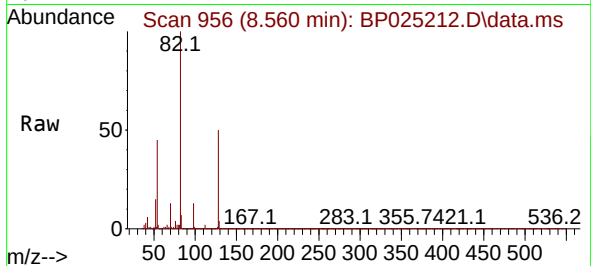




#23
 Nitrobenzene-d5
 Concen: 51.375 ng
 RT: 8.560 min Scan# 91
 Delta R.T. -0.005 min
 Lab File: BP025212.D
 Acq: 22 Jul 2025 13:14

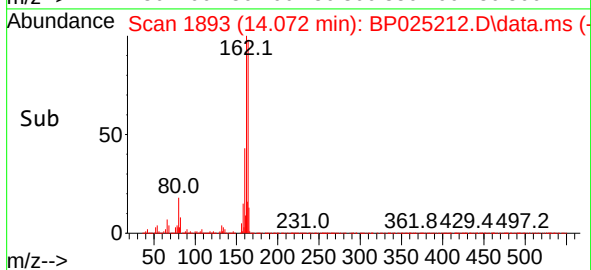
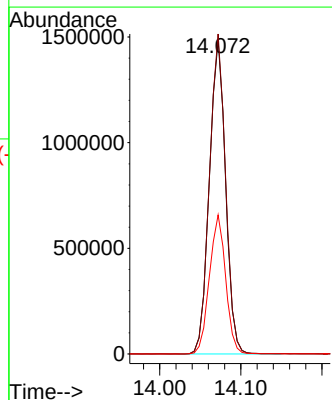
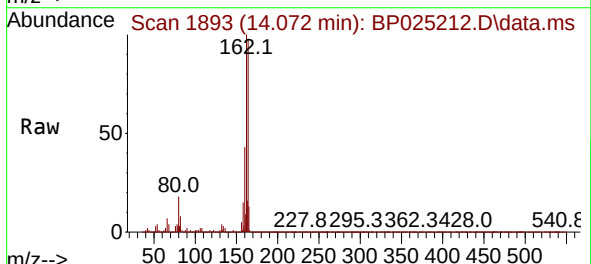
Instrument :
 BNA_P
 ClientSampleId :

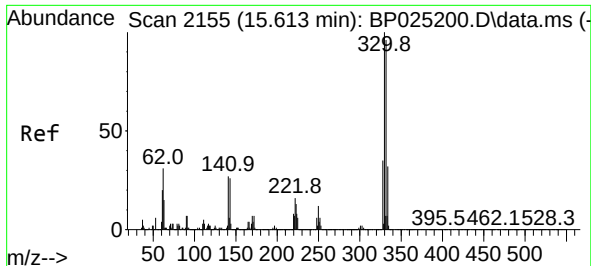
Tgt Ion: 82 Resp: 3201331
 Ion Ratio Lower Upper
 82 100
 128 49.7 40.2 60.4
 54 44.7 36.3 54.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.072 min Scan# 1893
 Delta R.T. -0.005 min
 Lab File: BP025212.D
 Acq: 22 Jul 2025 13:14

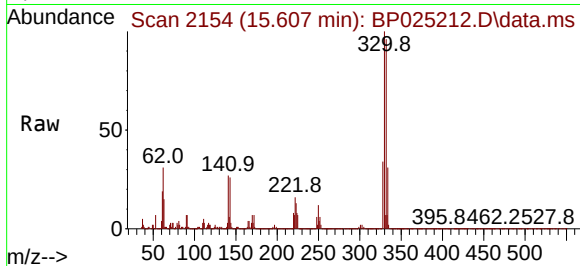
Tgt Ion:164 Resp: 2059504
 Ion Ratio Lower Upper
 164 100
 162 102.0 80.3 120.5
 160 44.3 35.7 53.5



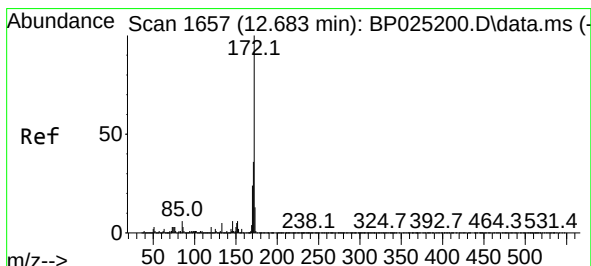
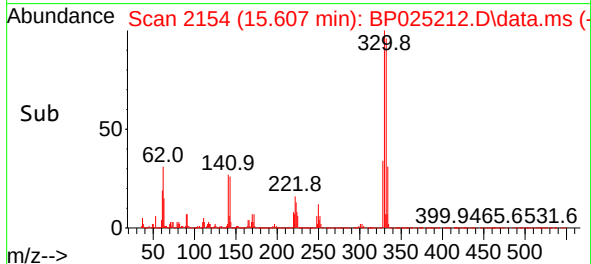
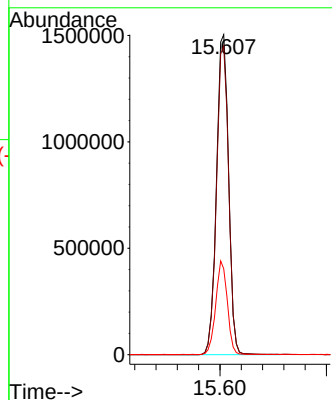


#42
2,4,6-Tribromophenol
Concen: 78.141 ng
RT: 15.607 min Scan# 2155
Delta R.T. -0.005 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Instrument :
BNA_P
ClientSampleId :

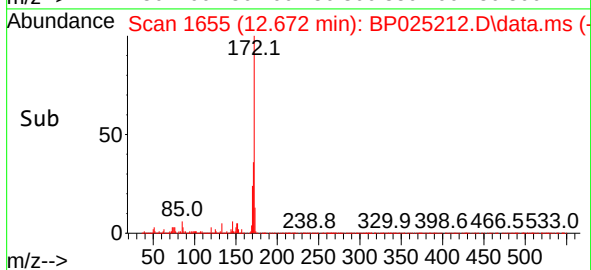
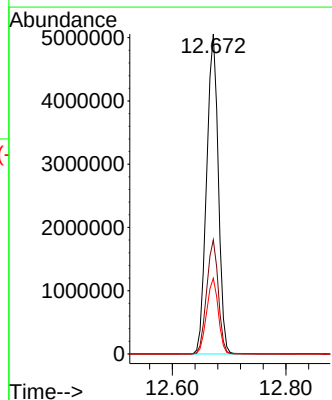
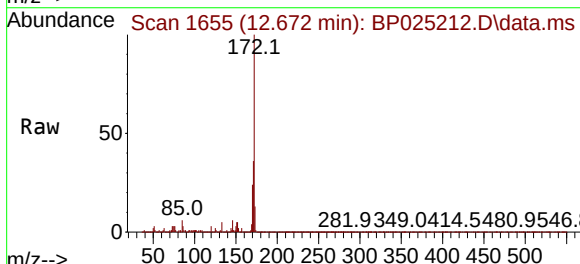


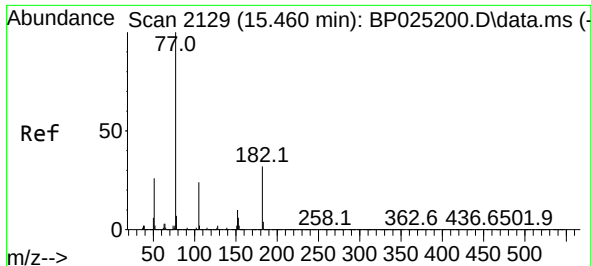
Tgt Ion: 330 Resp: 2372489
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 27.9 22.4 33.6



#45
2-Fluorobiphenyl
Concen: 49.278 ng
RT: 12.672 min Scan# 1655
Delta R.T. -0.011 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

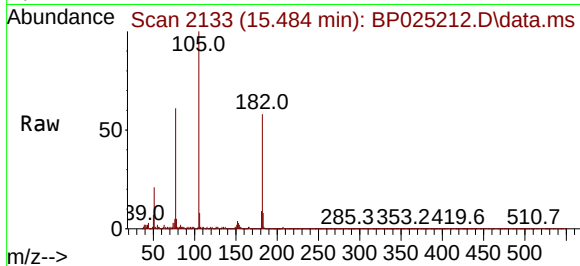
Tgt Ion: 172 Resp: 7198737
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.6 19.2 28.8



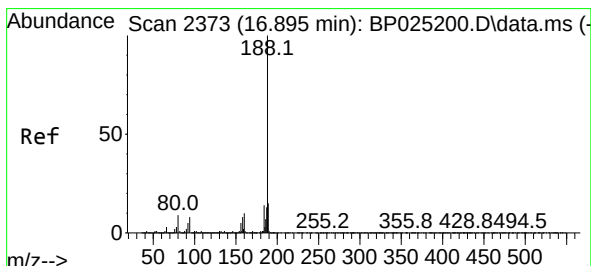
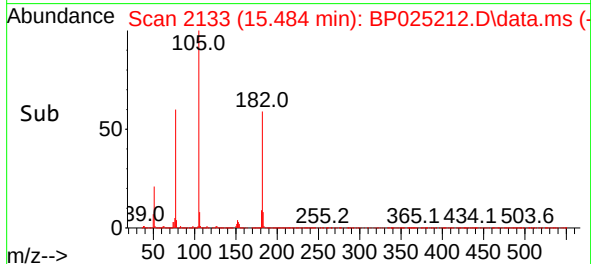
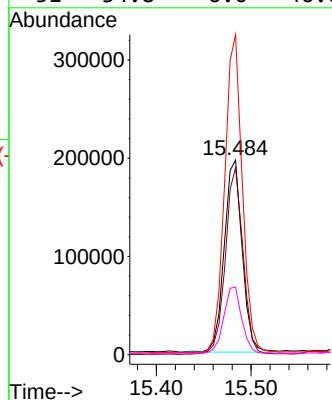


#63
Azobenzene
Concen: 2.189 ng
RT: 15.484 min Scan# 2129
Delta R.T. 0.024 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Instrument :
BNA_P
ClientSampleId :

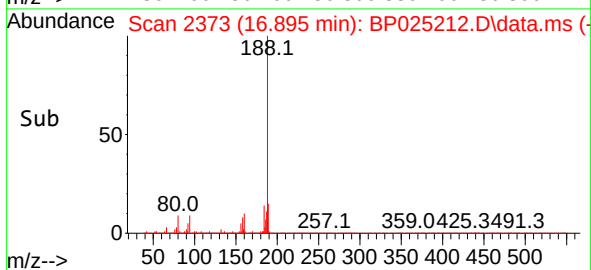
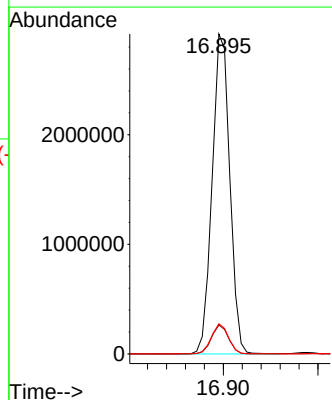
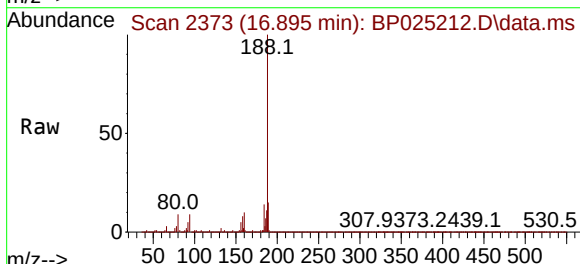


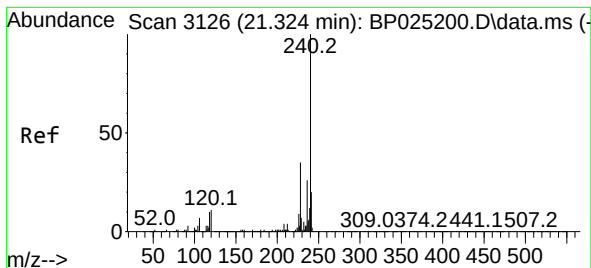
Tgt Ion: 77 Resp: 258945
Ion Ratio Lower Upper
77 100
182 96.1 12.0 52.0#
105 164.5 3.6 43.6#
51 34.8 6.0 46.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. 0.000 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Tgt Ion:188 Resp: 3779952
Ion Ratio Lower Upper
188 100
94 9.0 6.8 10.2
80 9.5 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.336 min Scan# 3126

Delta R.T. 0.012 min

Lab File: BP025212.D

Acq: 22 Jul 2025 13:14

Instrument :

BNA_P

ClientSampleId :

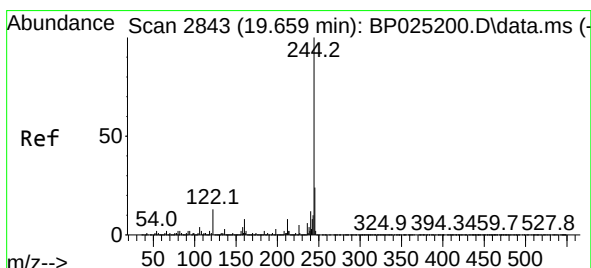
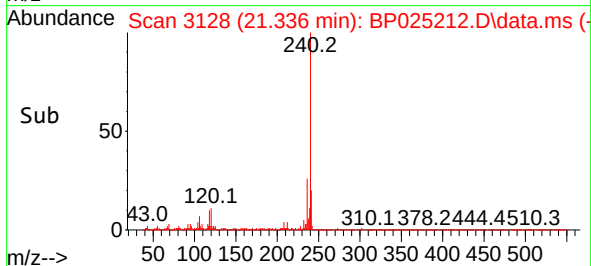
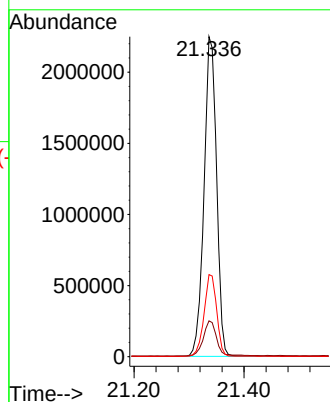
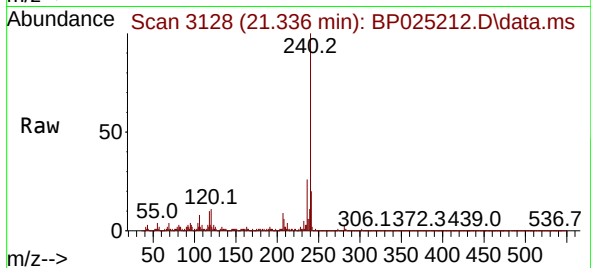
Tgt Ion:240 Resp: 3553060

Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

236 25.7 20.9 31.3



#79

Terphenyl-d14

Concen: 47.861 ng

RT: 19.660 min Scan# 2843

Delta R.T. 0.001 min

Lab File: BP025212.D

Acq: 22 Jul 2025 13:14

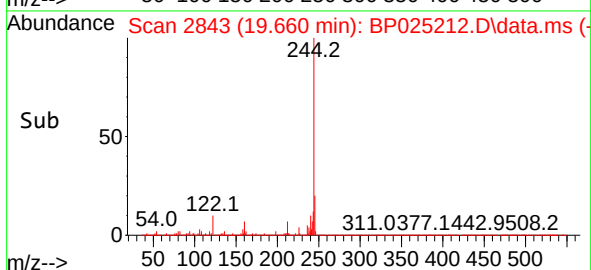
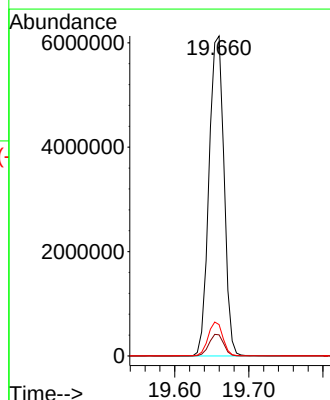
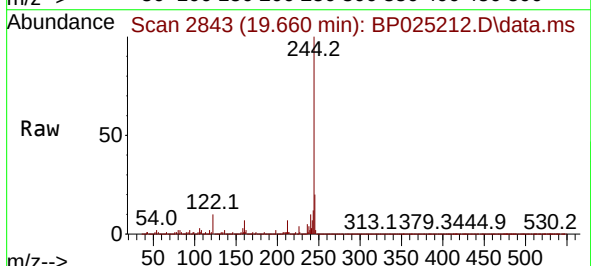
Tgt Ion:244 Resp: 8614502

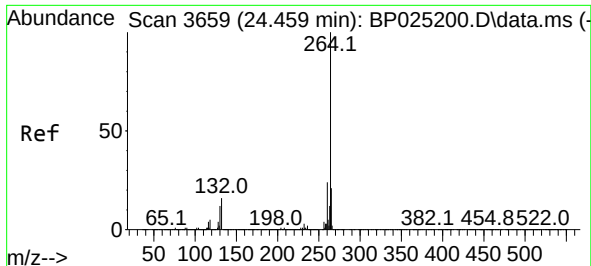
Ion Ratio Lower Upper

244 100

212 6.6 6.6 9.8

122 9.8 10.3 15.5#



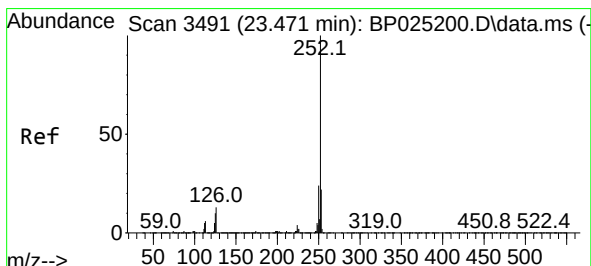
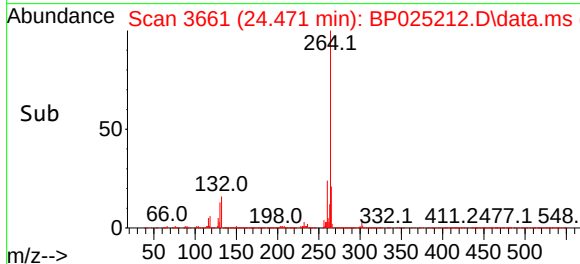
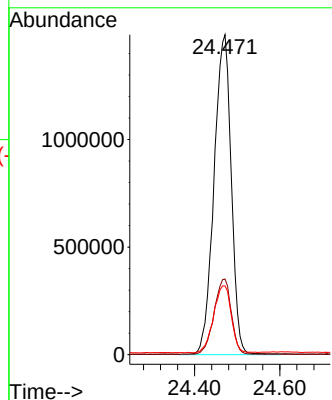
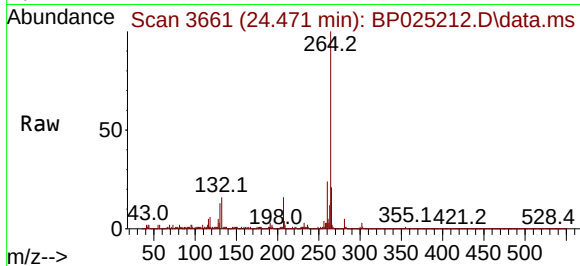


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3661
Delta R.T. 0.012 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:264 Resp: 4178405

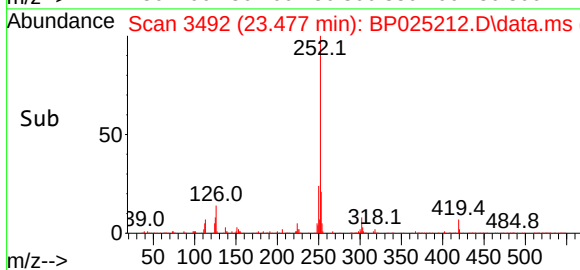
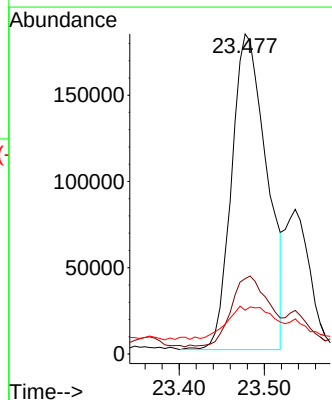
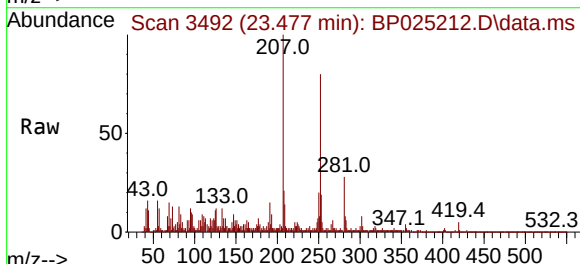
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.5	17.5	26.3

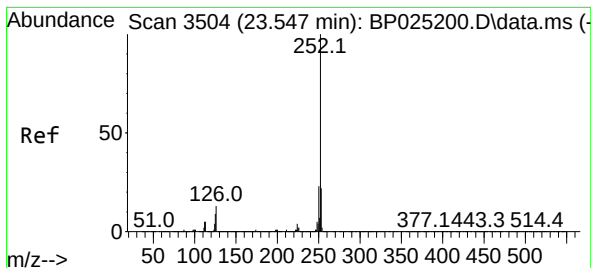


#88
Benzo(b)fluoranthene
Concen: 2.191 ng
RT: 23.477 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BP025212.D
Acq: 22 Jul 2025 13:14

Tgt Ion:252 Resp: 524002

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.6	7.8	11.8





#89

Benzo(k)fluoranthene

Concen: 2.219 ng

RT: 23.477 min Scan# 34

Delta R.T. -0.070 min

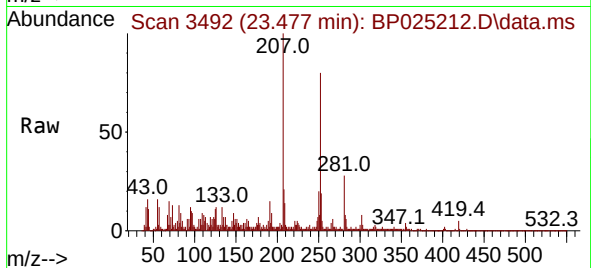
Lab File: BP025212.D

Acq: 22 Jul 2025 13:14

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:252 Resp: 524002

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 13.6 7.5 11.3#

