

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025324.D
 Acq On : 07 Aug 2025 21:59
 Operator : CG/JU
 Sample : Q2786-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-01-08062025

Quant Time: Aug 08 01:06:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

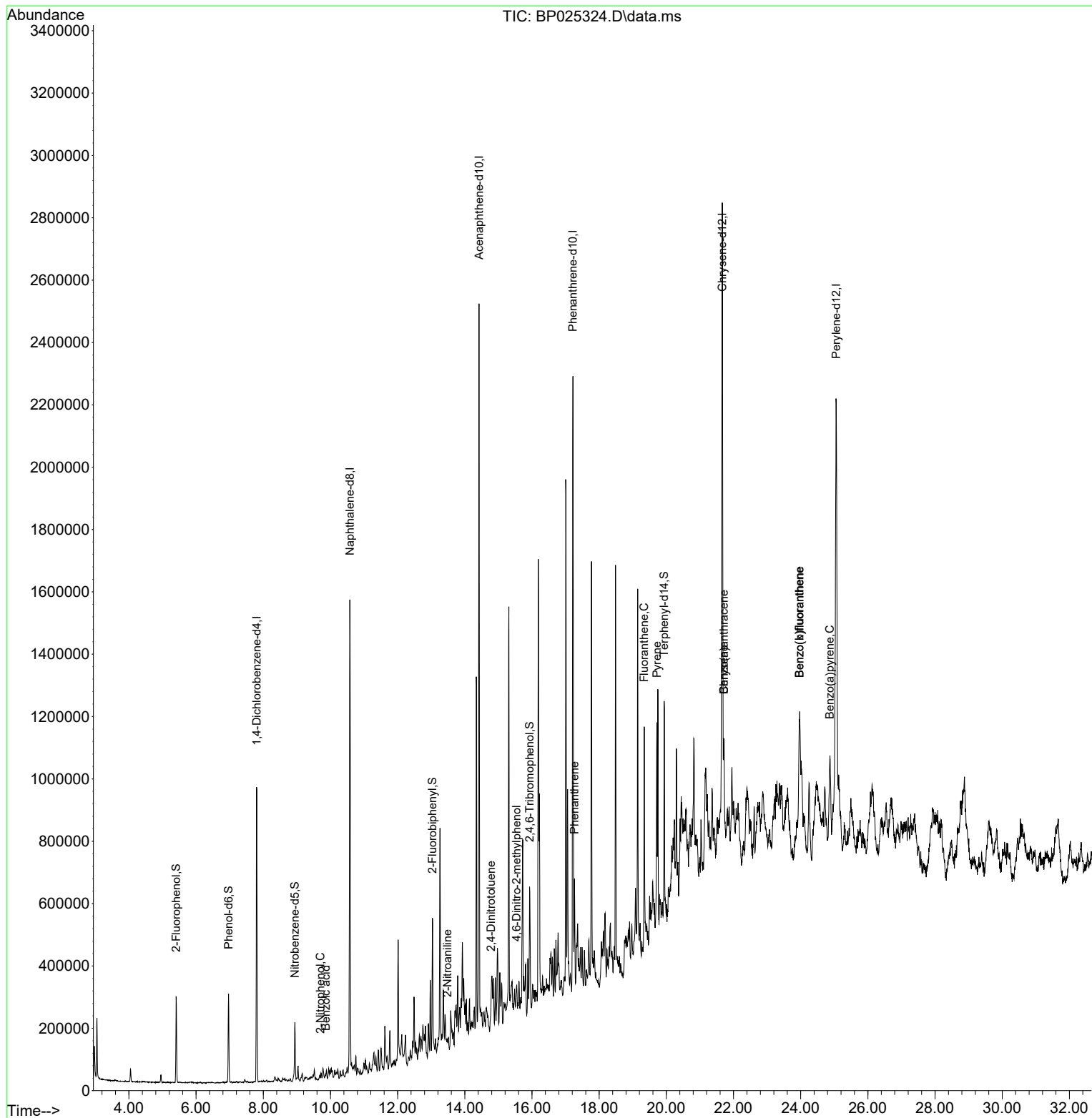
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.807	152	274413	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1143203	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	698721	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1313257	20.000	ng	0.00
76) Chrysene-d12	21.665	240	1228282	20.000	ng	0.00
86) Perylene-d12	25.059	264	1403426	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	124371	7.290	ng	0.00
7) Phenol-d6	6.966	99	158292	7.049	ng	0.00
23) Nitrobenzene-d5	8.942	82	96663	4.684	ng	0.00
42) 2,4,6-Tribromophenol	15.930	330	51010	7.318	ng	0.00
45) 2-Fluorobiphenyl	13.036	172	233548	4.617	ng	0.00
79) Terphenyl-d14	19.936	244	317183	4.877	ng	0.00
Target Compounds					Qvalue	
26) 2-Nitrophenol	9.695	139	168	3.657	ng	# 1
32) Benzoic acid	9.860	122	191	5.972	ng	# 1
48) 2-Nitroaniline	13.483	65	210	2.981	ng	# 57
57) 2,4-Dinitrotoluene	14.783	165	553	3.290	ng	# 72
65) 4,6-Dinitro-2-methylph...	15.542	198	468	4.931	ng	# 1
71) Phenanthrene	17.266	178	203894	2.835	ng	96
75) Fluoranthene	19.342	202	409677	4.920	ng	99
78) Pyrene	19.718	202	404225	4.949	ng	99
81) Benzo(a)anthracene	21.712	228	218092	2.672	ng	93
83) Chrysene	21.712	228	218092	2.881	ng	97
88) Benzo(b)fluoranthene	23.965	252	336688	4.008	ng	# 93
89) Benzo(k)fluoranthene	23.965	252	336688	4.043	ng	# 93
90) Benzo(a)pyrene	24.865	252	254798	3.149	ng	# 88

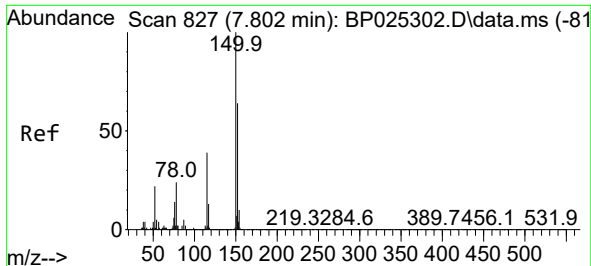
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 06 06:41:44 2025
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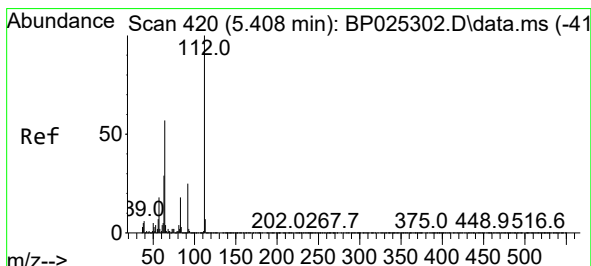
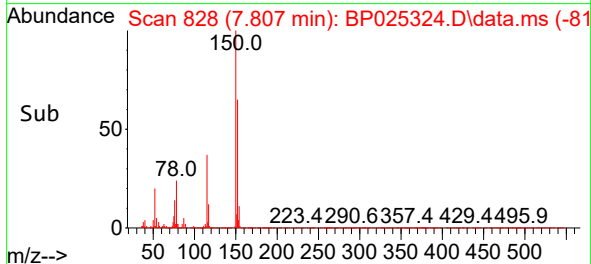
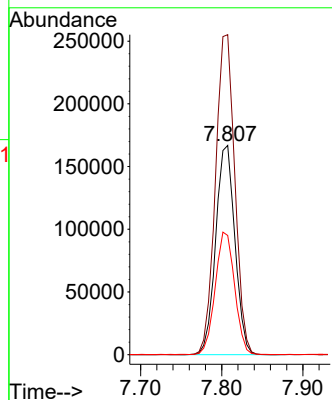
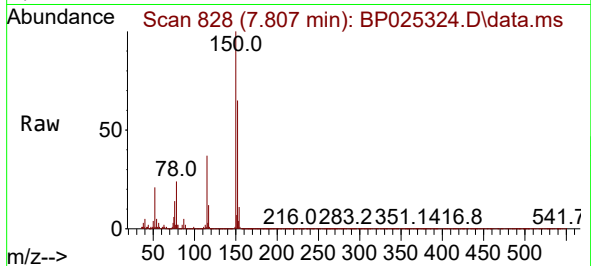




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.807 min Scan# 81
 Delta R.T. 0.005 min
 Lab File: BP025324.D
 Acq: 07 Aug 2025 21:59

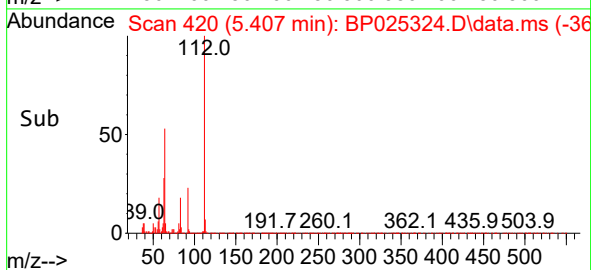
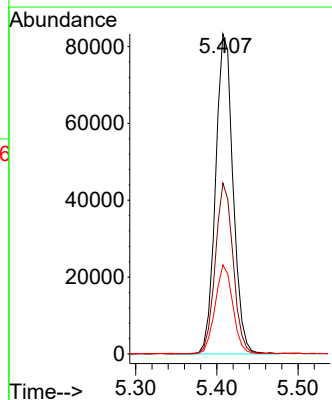
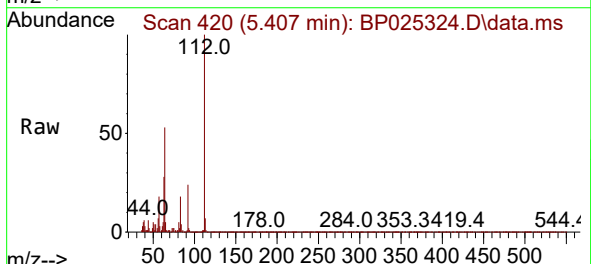
Instrument :
 BNA_P
 ClientSampleId :
 PL-01-08062025

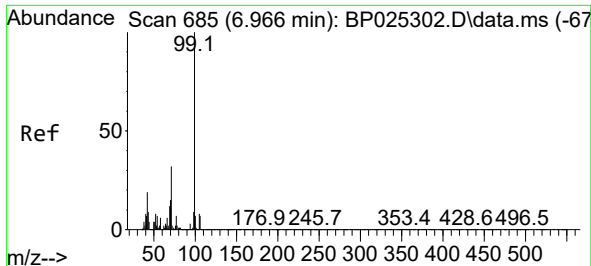
Tgt Ion:152 Resp: 274413
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.1 187.7
 115 57.0 48.4 72.6



#5
 2-Fluorophenol
 Concen: 7.290 ng
 RT: 5.407 min Scan# 420
 Delta R.T. -0.001 min
 Lab File: BP025324.D
 Acq: 07 Aug 2025 21:59

Tgt Ion:112 Resp: 124371
 Ion Ratio Lower Upper
 112 100
 64 53.4 45.3 67.9
 63 27.8 23.0 34.6

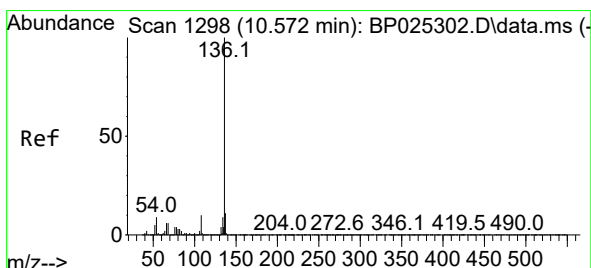
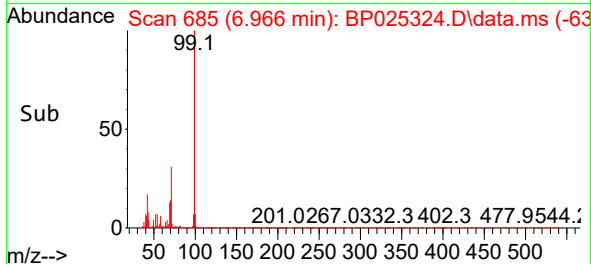
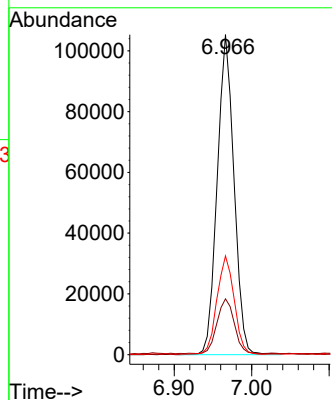
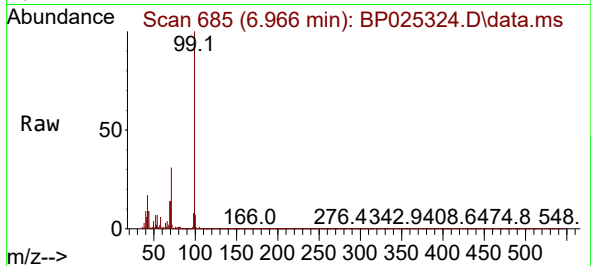




#7
Phenol-d6
Concen: 7.049 ng
RT: 6.966 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

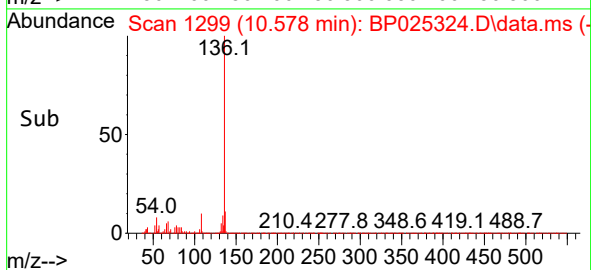
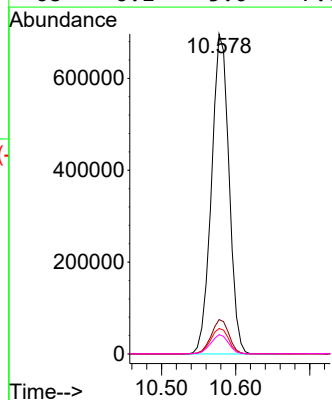
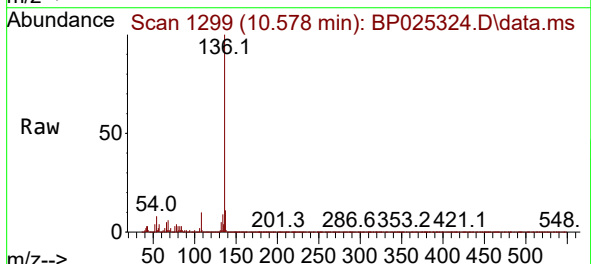
Instrument :
BNA_P
ClientSampleId :
PL-01-08062025

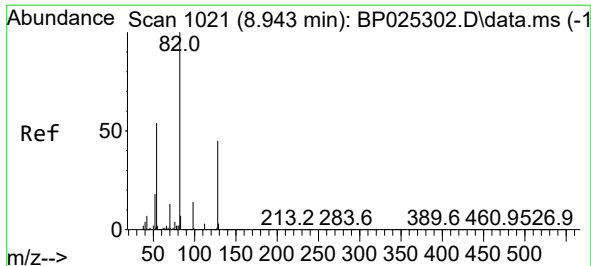
Tgt Ion: 99 Resp: 158292
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 30.9 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

Tgt Ion: 136 Resp: 1143203
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.9 7.0 10.6
68 6.1 5.0 7.6

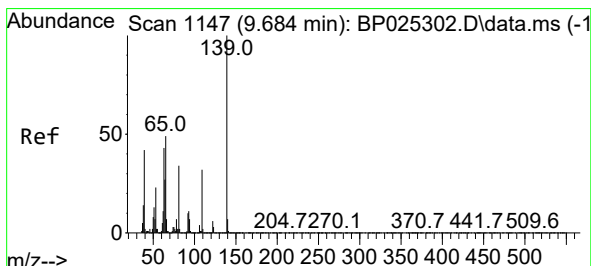
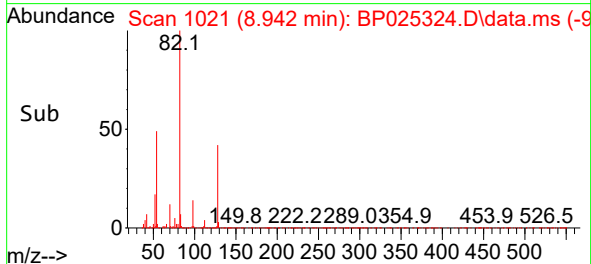
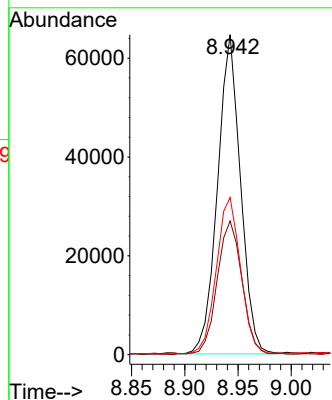
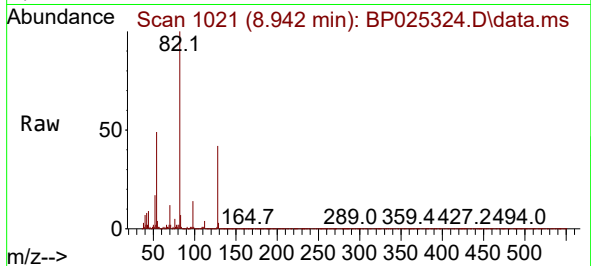




#23
Nitrobenzene-d5
Concen: 4.684 ng
RT: 8.942 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

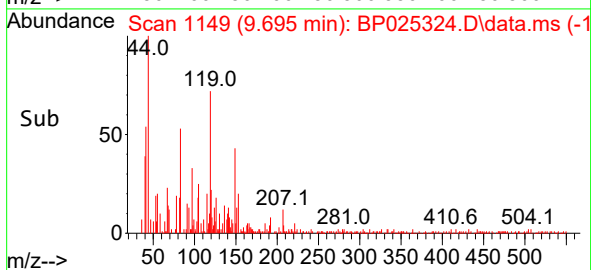
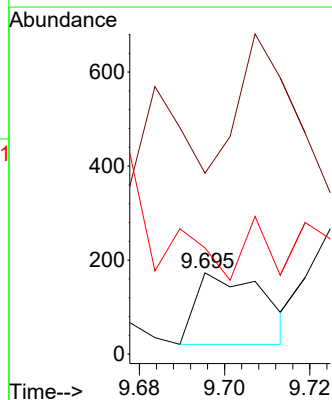
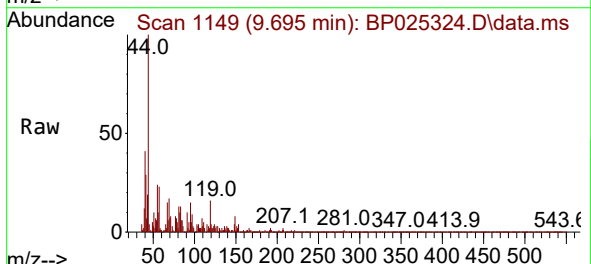
Instrument :
BNA_P
ClientSampleId :
PL-01-08062025

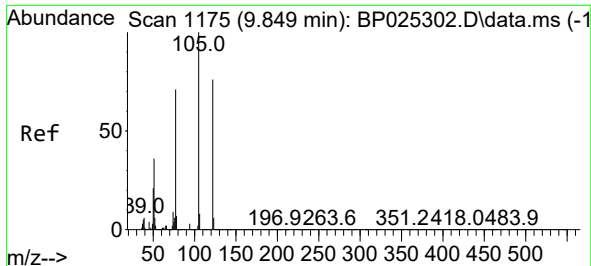
Tgt Ion: 82 Resp: 96663
Ion Ratio Lower Upper
82 100
128 41.8 35.4 53.2
54 49.1 42.9 64.3



#26
2-Nitrophenol
Concen: 3.657 ng
RT: 9.695 min Scan# 1149
Delta R.T. 0.011 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

Tgt Ion:139 Resp: 168
Ion Ratio Lower Upper
139 100
109 222.5 25.2 37.8#
65 130.6 39.6 59.4#

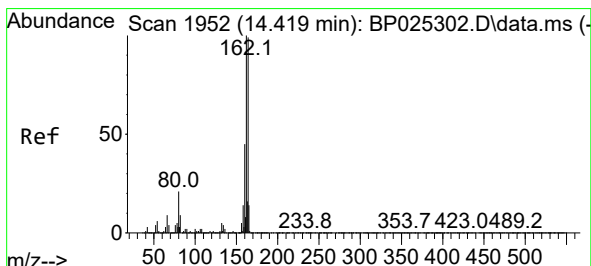
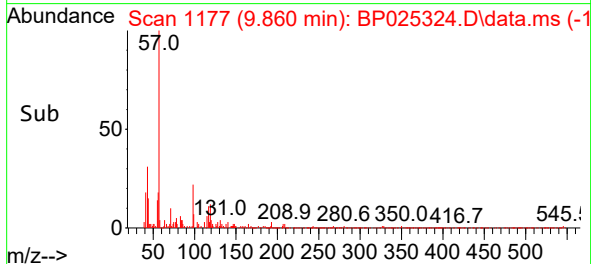
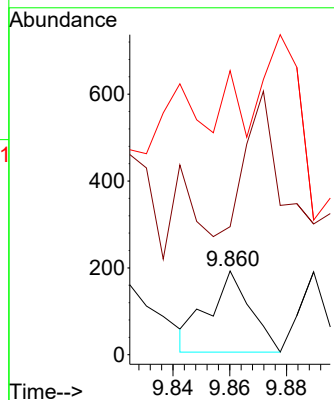
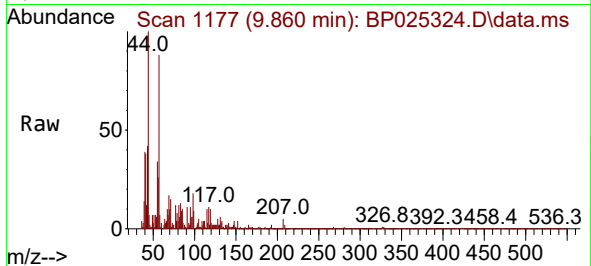




#32
Benzoic acid
Concen: 5.972 ng
RT: 9.860 min Scan# 1177
Delta R.T. 0.011 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

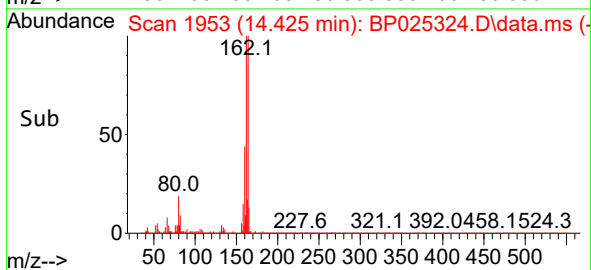
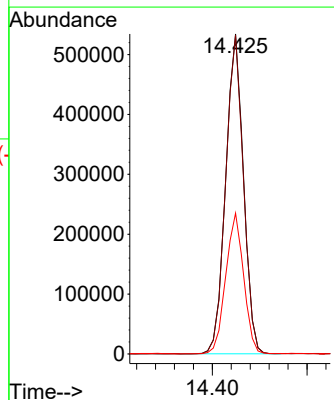
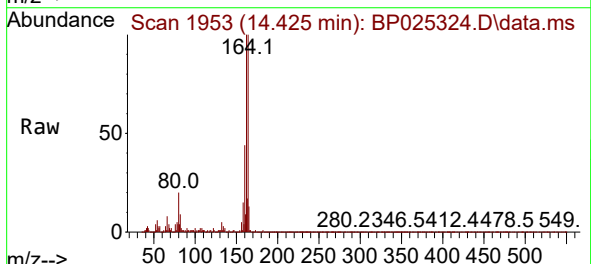
Instrument :
BNA_P
ClientSampleId :
PL-01-08062025

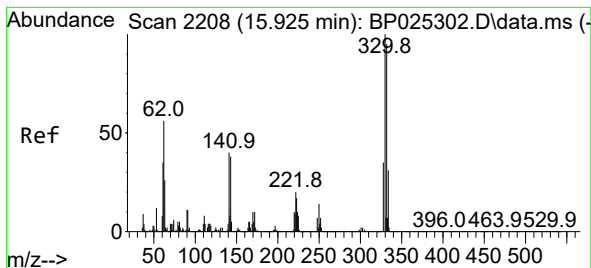
Tgt Ion:122 Resp: 191
Ion Ratio Lower Upper
122 100
105 152.8 104.0 144.0#
77 338.9 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

Tgt Ion:164 Resp: 698721
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 44.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 7.318 ng

RT: 15.930 min Scan# 21

Delta R.T. 0.005 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

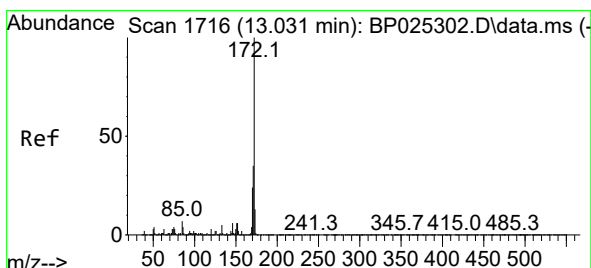
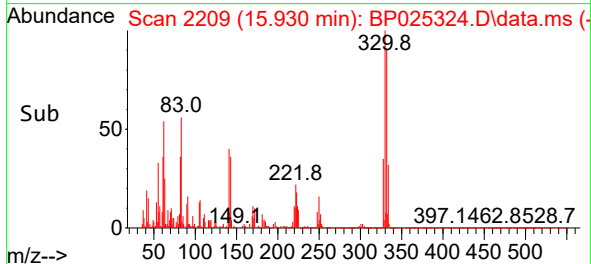
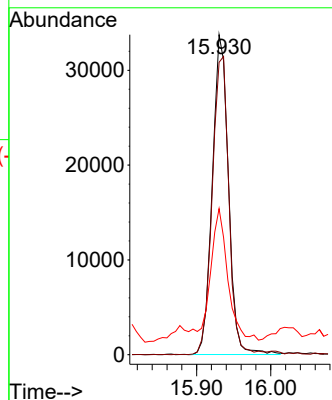
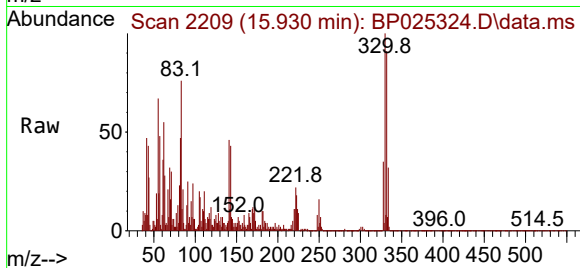
Tgt Ion:330 Resp: 51010

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 42.6 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 4.617 ng

RT: 13.036 min Scan# 1717

Delta R.T. 0.005 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

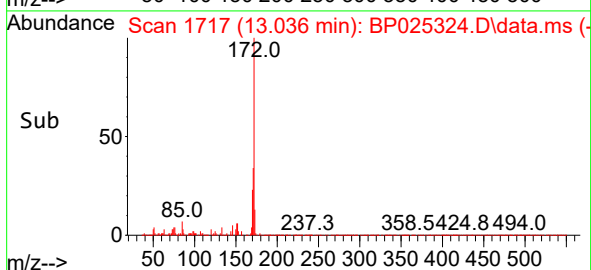
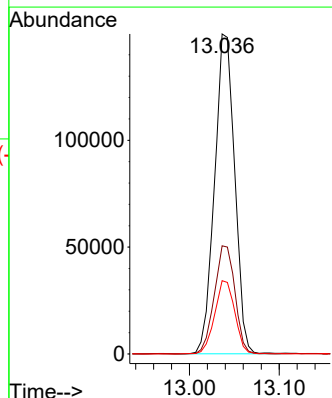
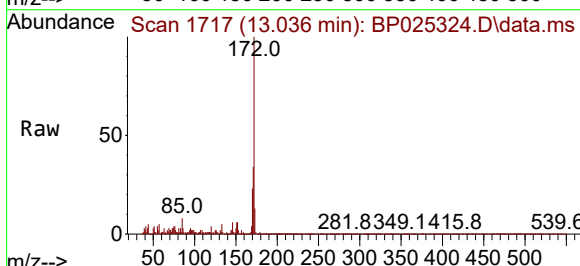
Tgt Ion:172 Resp: 233548

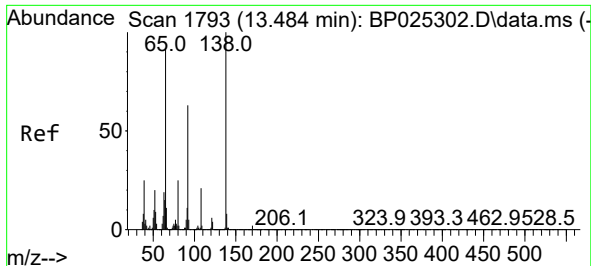
Ion Ratio Lower Upper

172 100

171 33.8 27.9 41.9

170 22.9 18.9 28.3

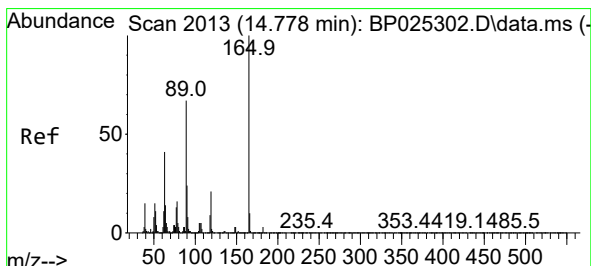
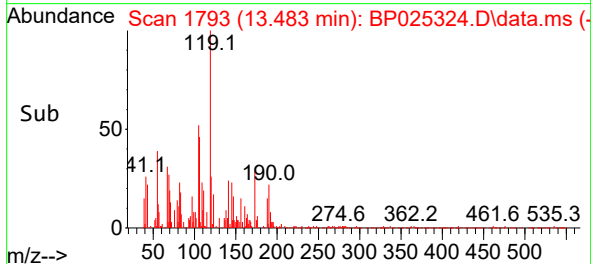
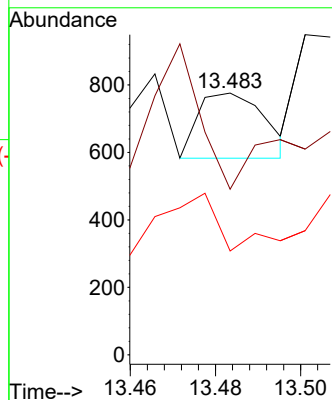
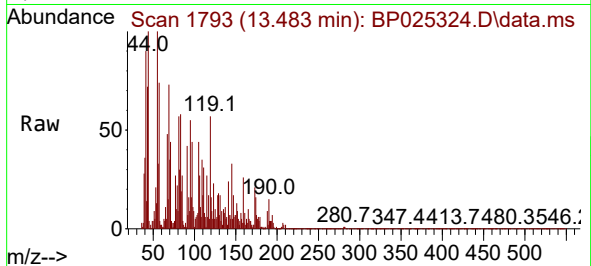




#48
2-Nitroaniline
Concen: 2.981 ng
RT: 13.483 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

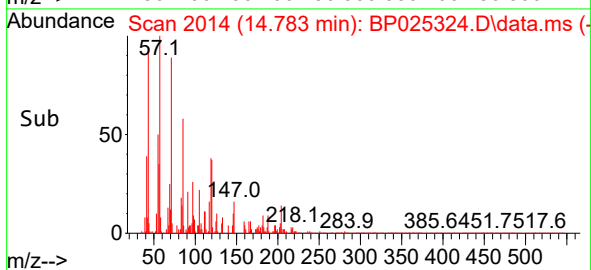
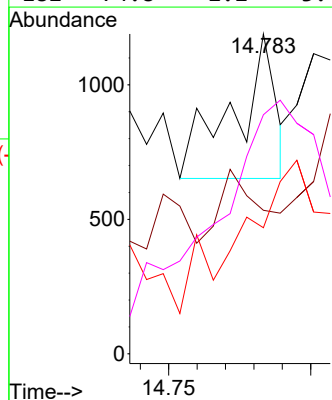
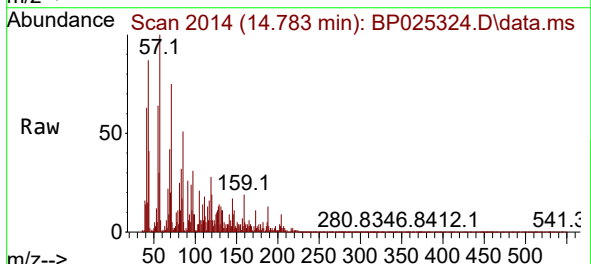
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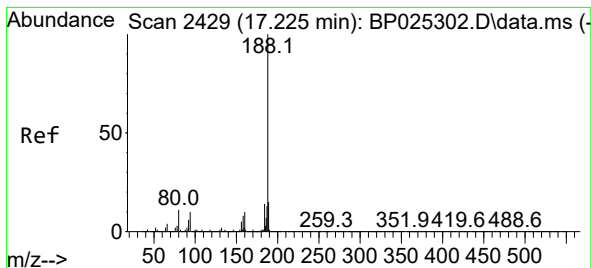
Tgt Ion: 65 Resp: 210
Ion Ratio Lower Upper
65 100
92 63.3 54.4 81.6
138 39.7 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.290 ng
RT: 14.783 min Scan# 2014
Delta R.T. 0.005 min
Lab File: BP025324.D
Acq: 07 Aug 2025 21:59

Tgt Ion: 165 Resp: 553
Ion Ratio Lower Upper
165 100
63 44.9 33.2 49.8
89 39.4 53.5 80.3#
182 74.8 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

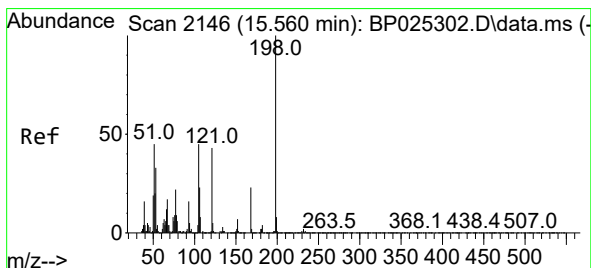
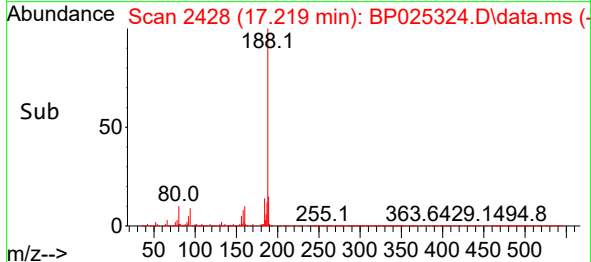
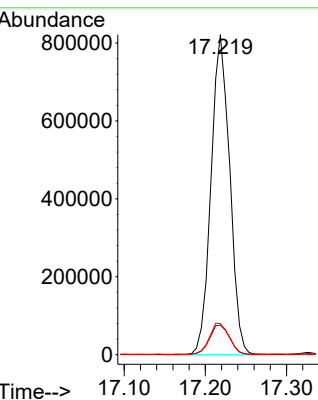
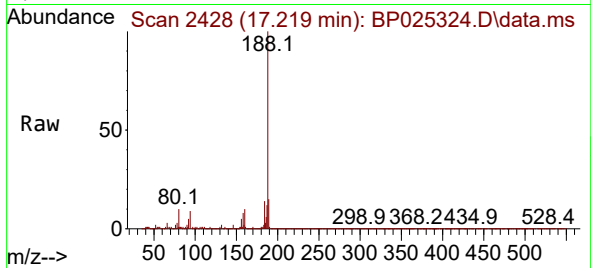
Tgt Ion:188 Resp: 1313257

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

80 9.7 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.931 ng

RT: 15.542 min Scan# 2143

Delta R.T. -0.018 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

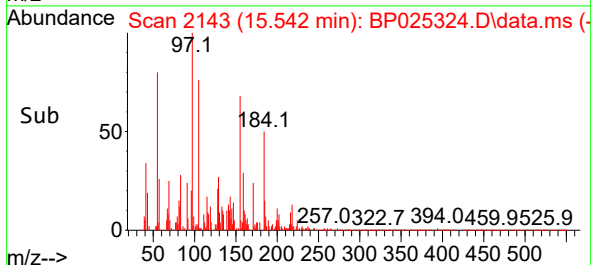
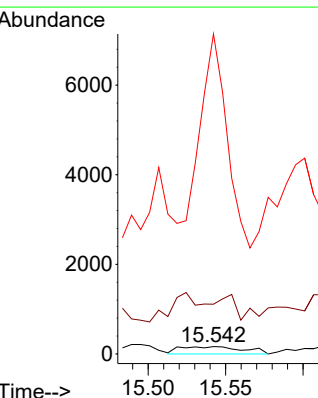
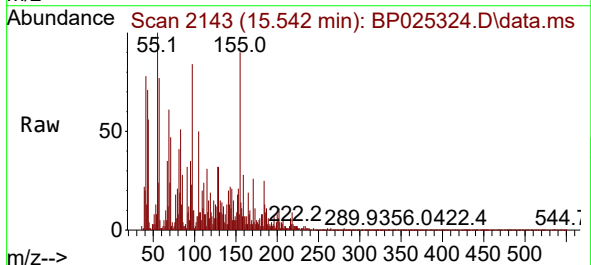
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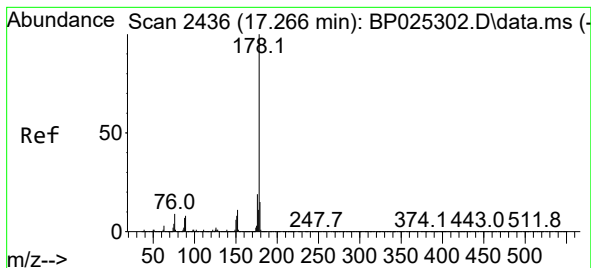
Ion Ratio Lower Upper

198 100

51 676.8 26.7 66.7#

105 4354.3 25.6 65.6#





#71

Phenanthrene

Concen: 2.835 ng

RT: 17.266 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

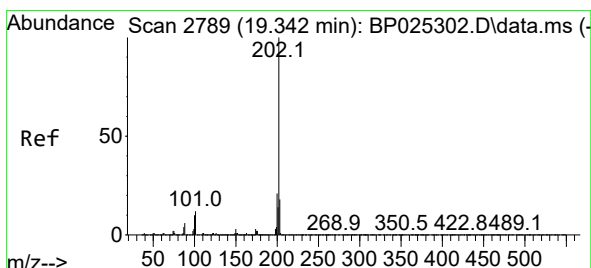
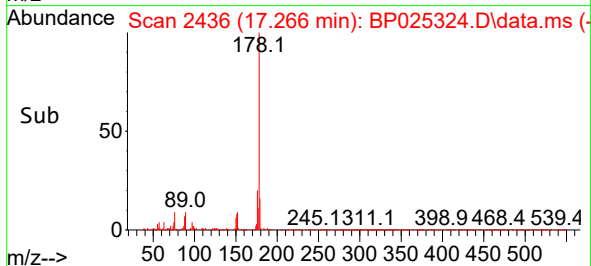
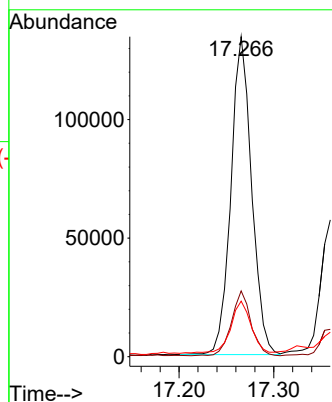
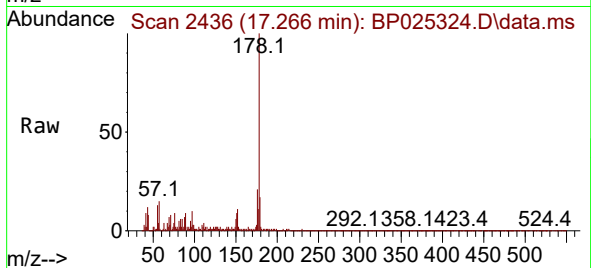
Tgt Ion:178 Resp: 203894

Ion Ratio Lower Upper

178 100

176 20.5 15.3 22.9

179 17.4 12.1 18.1



#75

Fluoranthene

Concen: 4.920 ng

RT: 19.342 min Scan# 2789

Delta R.T. -0.000 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

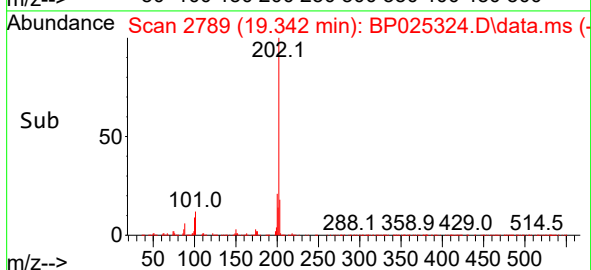
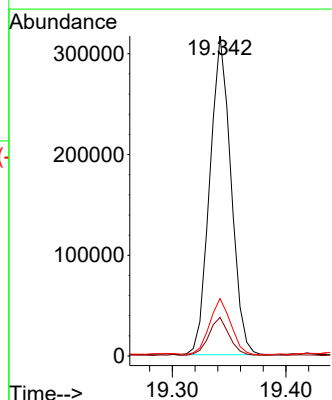
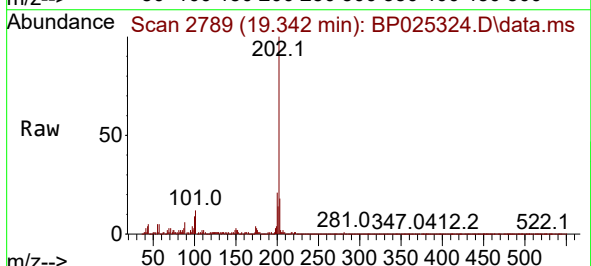
Tgt Ion:202 Resp: 409677

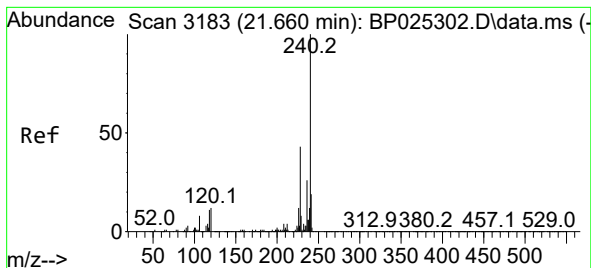
Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.5

203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.665 min Scan# 3183

Delta R.T. 0.005 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

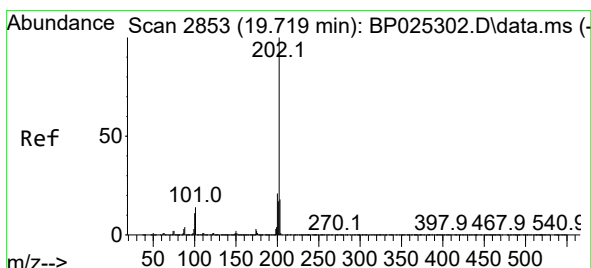
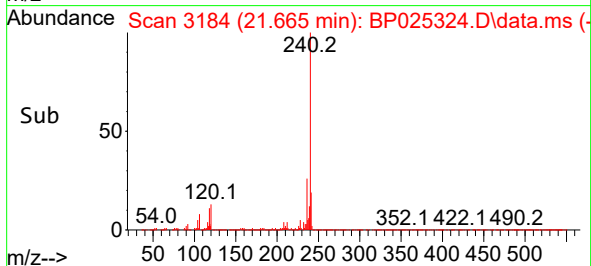
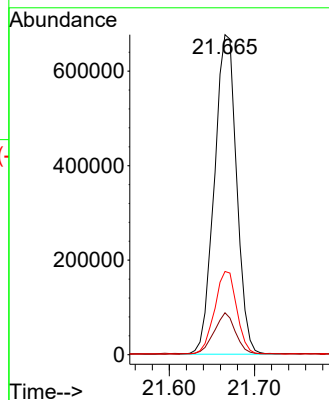
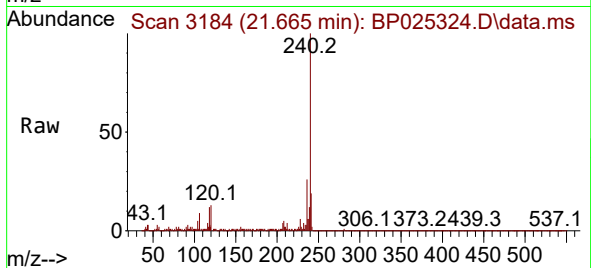
Tgt Ion:240 Resp: 1228282

Ion Ratio Lower Upper

240 100

120 13.1 9.6 14.4

236 26.0 20.4 30.6



#78

Pyrene

Concen: 4.949 ng

RT: 19.718 min Scan# 2853

Delta R.T. -0.001 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

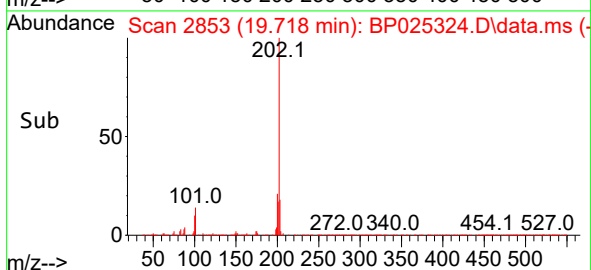
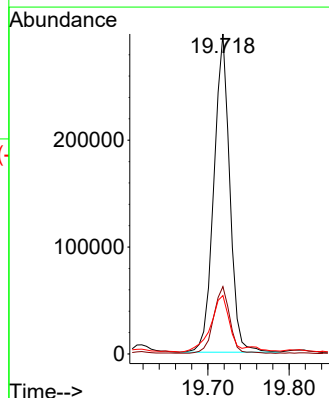
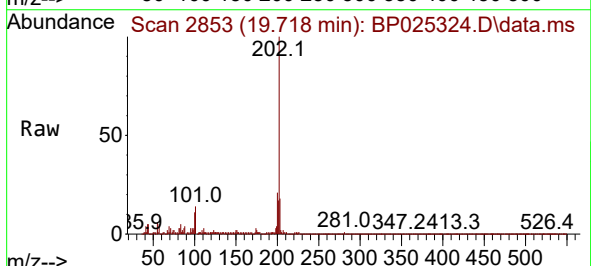
Tgt Ion:202 Resp: 404225

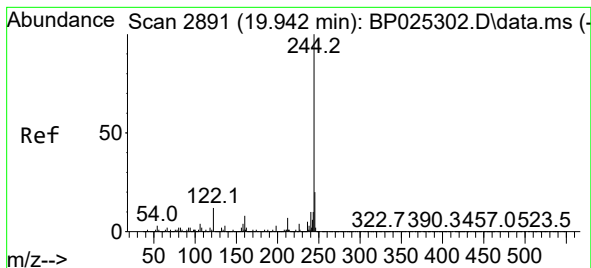
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 4.877 ng

RT: 19.936 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

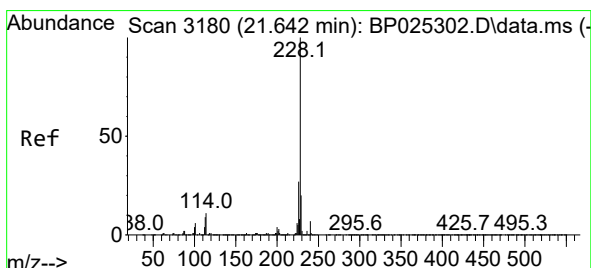
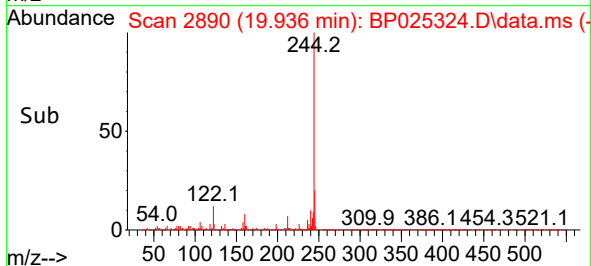
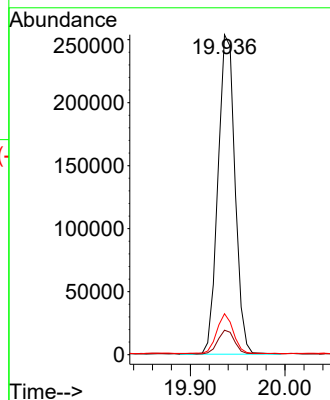
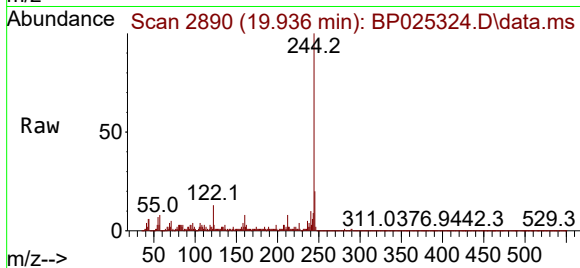
Tgt Ion:244 Resp: 317183

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 12.8 9.5 14.3



#81

Benzo(a)anthracene

Concen: 2.672 ng

RT: 21.712 min Scan# 3192

Delta R.T. 0.070 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

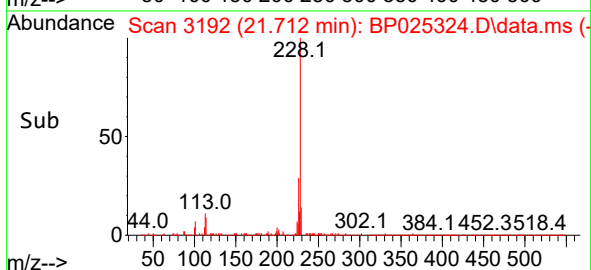
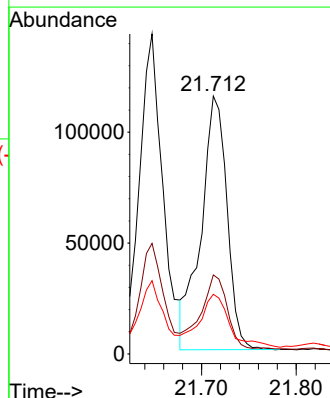
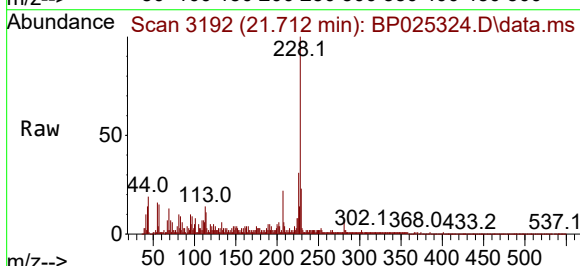
Tgt Ion:228 Resp: 218092

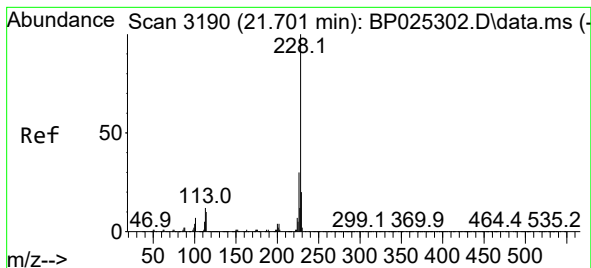
Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

229 23.1 16.0 24.0





#83

Chrysene

Concen: 2.881 ng

RT: 21.712 min Scan# 31

Delta R.T. 0.011 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

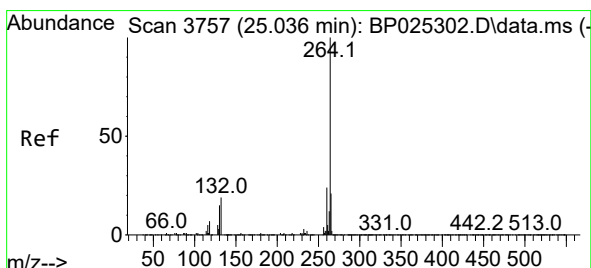
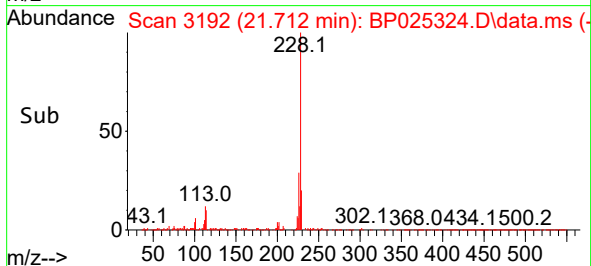
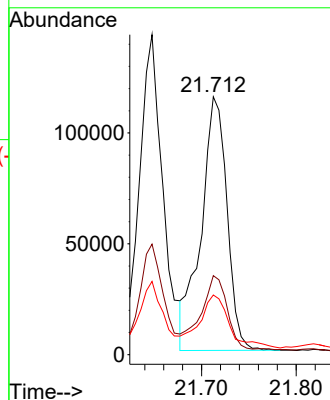
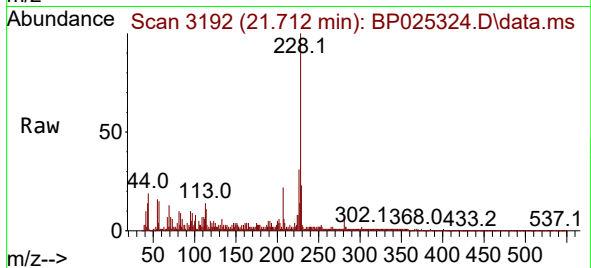
Tgt Ion:228 Resp: 218092

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 23.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.059 min Scan# 3761

Delta R.T. 0.023 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

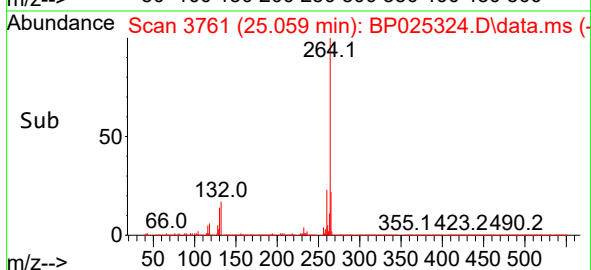
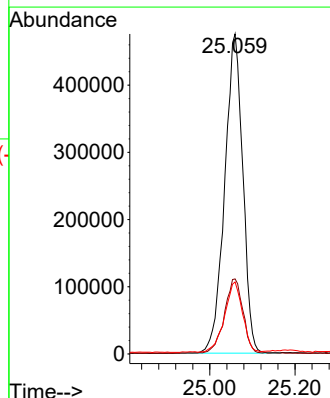
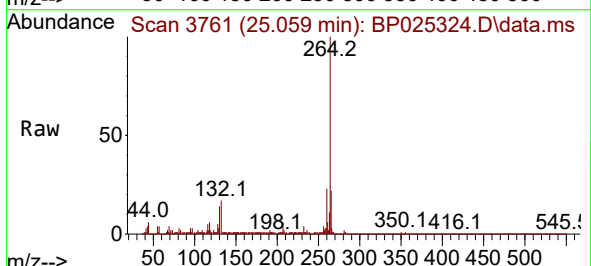
Tgt Ion:264 Resp: 1403426

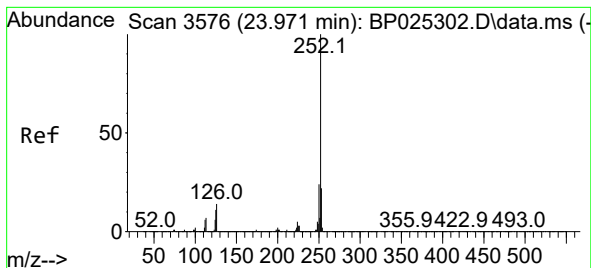
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.5 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.008 ng

RT: 23.965 min Scan# 3575

Delta R.T. -0.006 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025

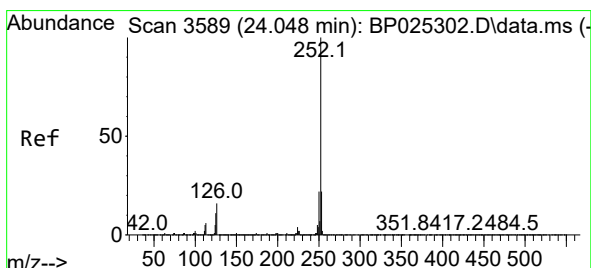
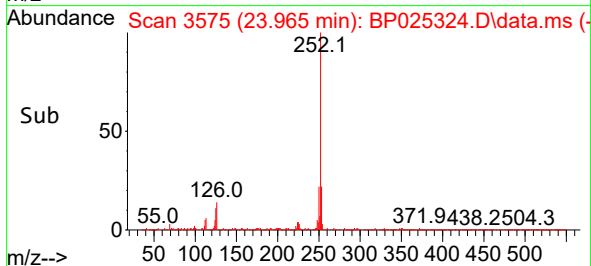
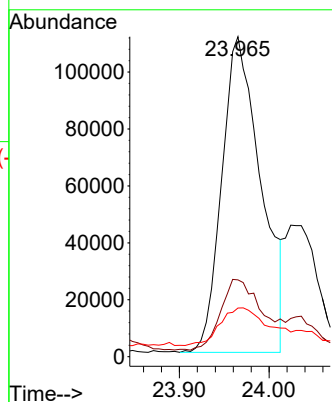
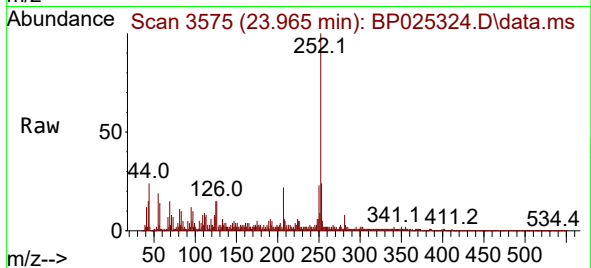
Tgt Ion:252 Resp: 336688

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 15.2 8.5 12.7#



#89

Benzo(k)fluoranthene

Concen: 4.043 ng

RT: 23.965 min Scan# 3575

Delta R.T. -0.083 min

Lab File: BP025324.D

Acq: 07 Aug 2025 21:59

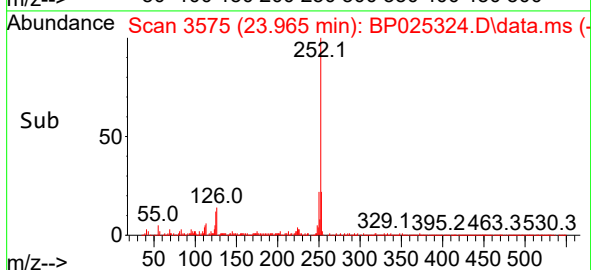
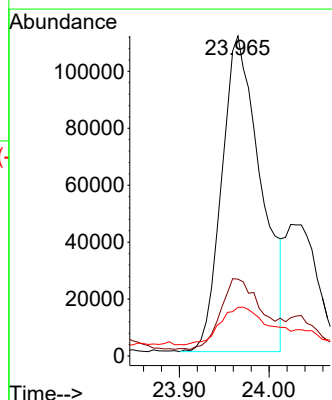
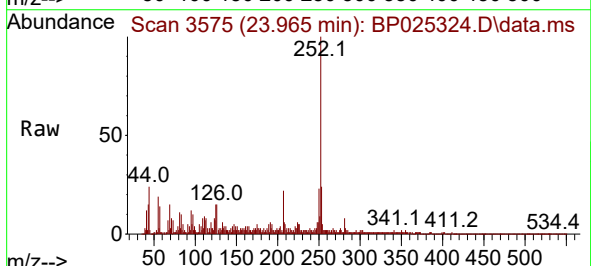
Tgt Ion:252 Resp: 336688

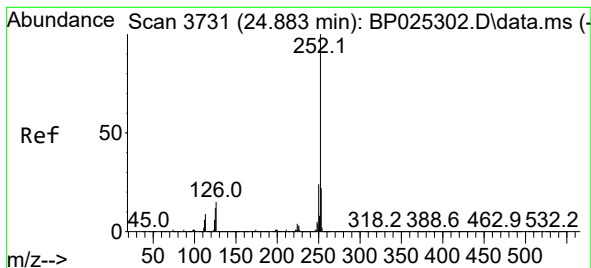
Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 15.2 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 3.149 ng

RT: 24.865 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025324.D

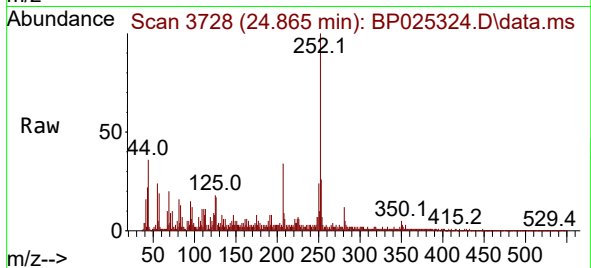
Acq: 07 Aug 2025 21:59

Instrument :

BNA_P

ClientSampleId :

PL-01-08062025



Tgt Ion:252 Resp: 254798

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

125 18.0 9.4 14.0#

