

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025557.D
 Acq On : 22 Aug 2025 20:24
 Operator : CG/JU
 Sample : Q2917-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-082025

Quant Time: Aug 25 01:19:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

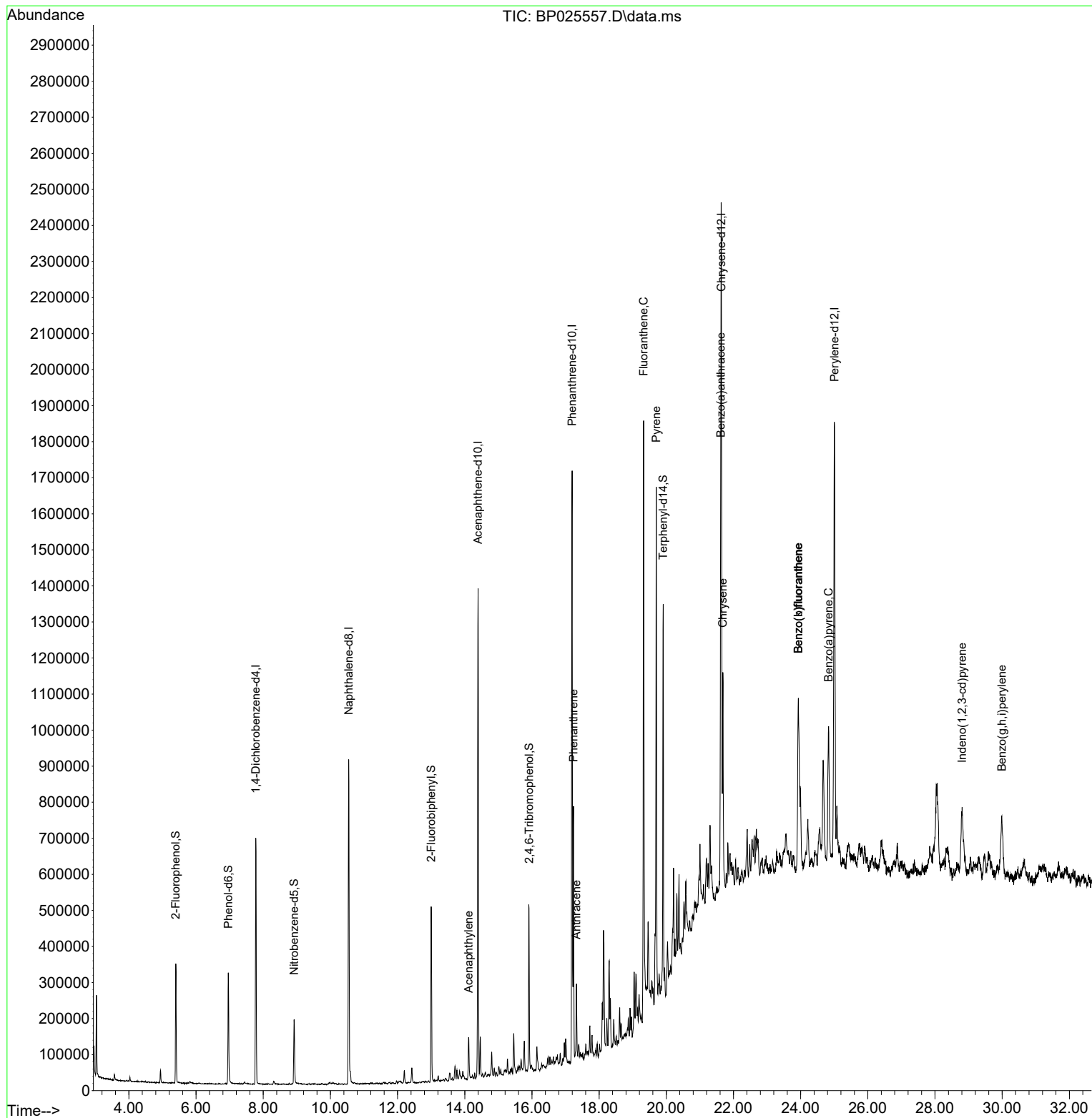
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	197250	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	784325	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	511472	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	1022068	20.000	ng	0.00
76) Chrysene-d12	21.636	240	1044043	20.000	ng	-0.01
86) Perylene-d12	25.006	264	1205992	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	145749	12.271	ng	-0.01
7) Phenol-d6	6.960	99	187615	12.320	ng	0.00
23) Nitrobenzene-d5	8.919	82	113999	7.352	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	79143	11.496	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	291565	7.791	ng	-0.02
79) Terphenyl-d14	19.907	244	488677	8.564	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.113	152	97799	2.044	ng	99
71) Phenanthrene	17.236	178	410958	7.320	ng	99
72) Anthracene	17.325	178	151387	2.640	ng	99
75) Fluoranthene	19.324	202	793973	11.855	ng	99
78) Pyrene	19.701	202	852220	12.559	ng	99
81) Benzo(a)anthracene	21.618	228	424098	6.159	ng	92
83) Chrysene	21.683	228	415746	6.447	ng	96
87) Indeno(1,2,3-cd)pyrene	28.806	276	331635	3.750	ng	# 91
88) Benzo(b)fluoranthene	23.930	252	593436	8.345	ng	# 94
89) Benzo(k)fluoranthene	23.930	252	593436	8.339	ng	# 93
90) Benzo(a)pyrene	24.830	252	463625	6.697	ng	94
92) Benzo(g,h,i)perylene	29.989	276	336261	4.733	ng	97

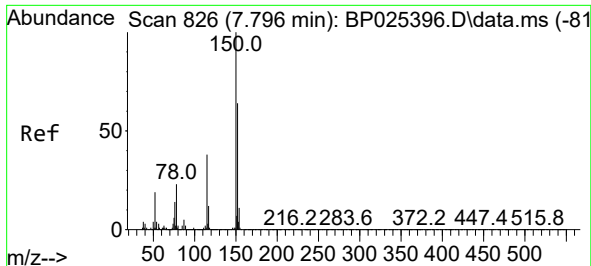
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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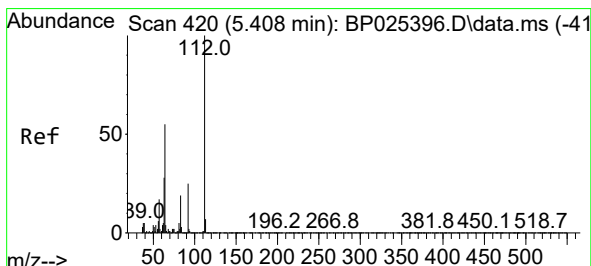
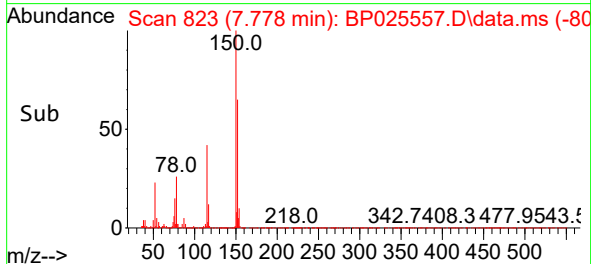
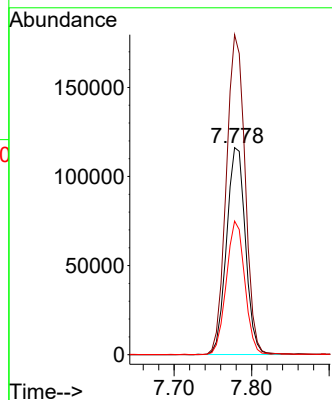
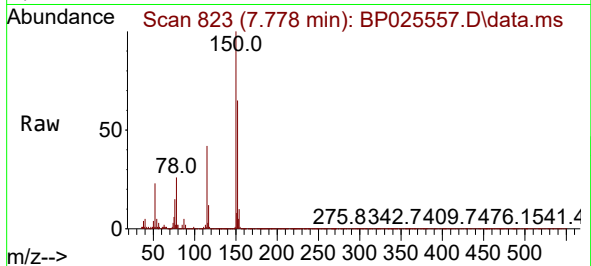




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

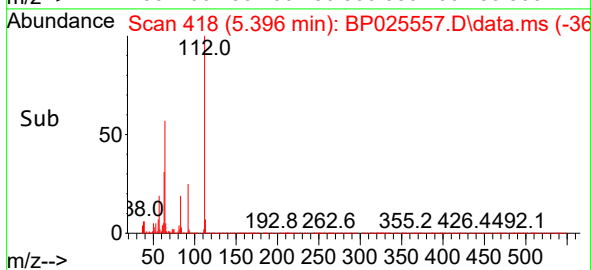
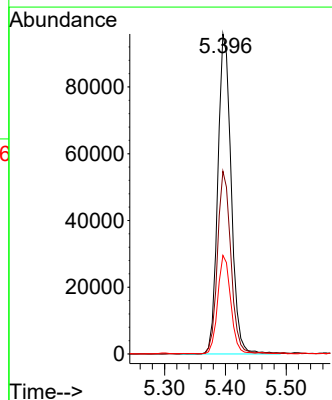
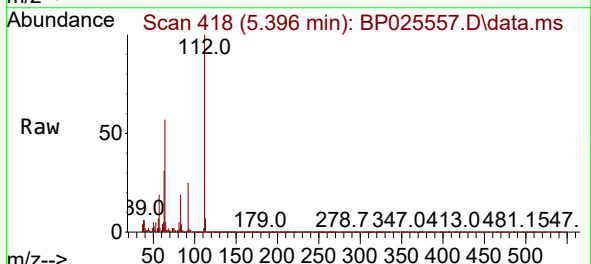
Instrument :
BNA_P
ClientSampleId :
OR-02-082025

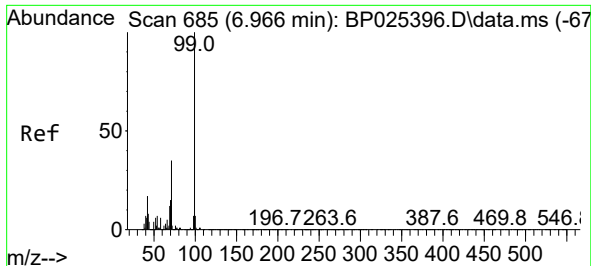
Tgt Ion:152 Resp: 197250
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 64.5 48.5 72.7



#5
2-Fluorophenol
Concen: 12.271 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:112 Resp: 145749
Ion Ratio Lower Upper
112 100
64 57.1 43.8 65.8
63 30.8 22.7 34.1

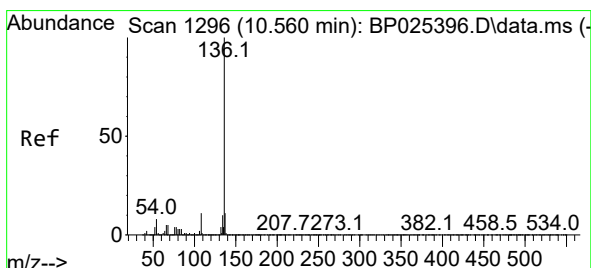
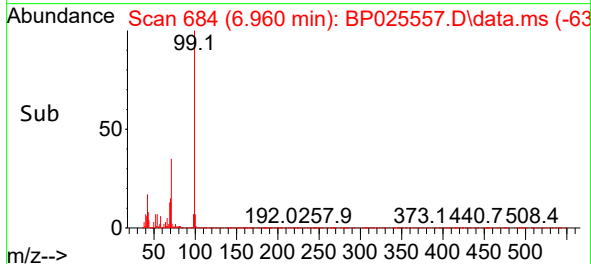
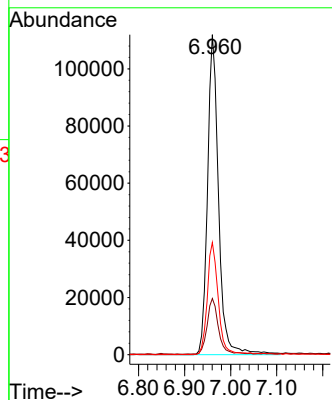
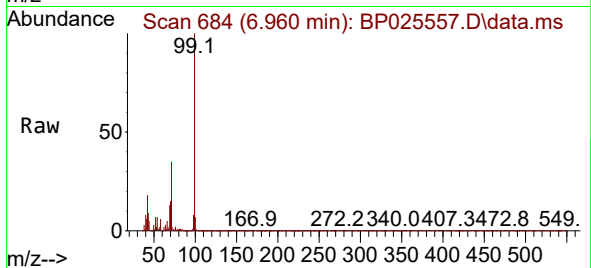




#7
Phenol-d6
Concen: 12.320 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

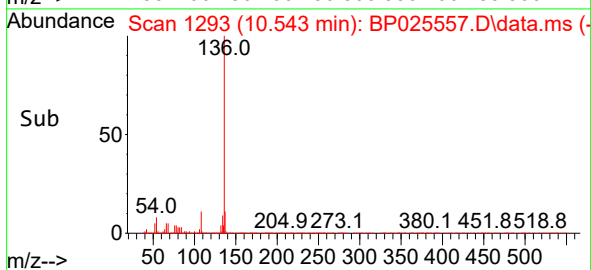
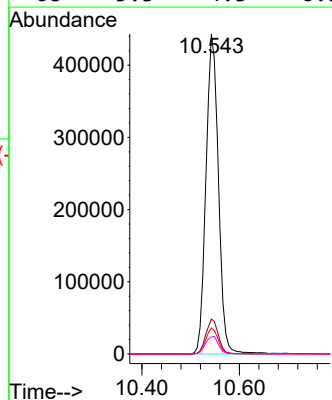
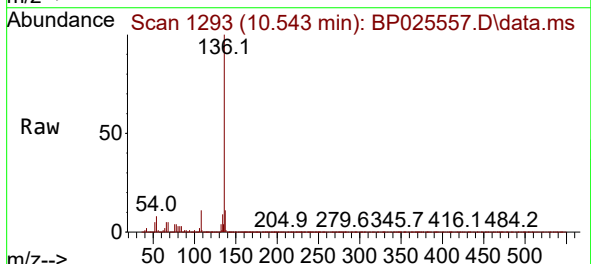
Instrument :
BNA_P
ClientSampleId :
OR-02-082025

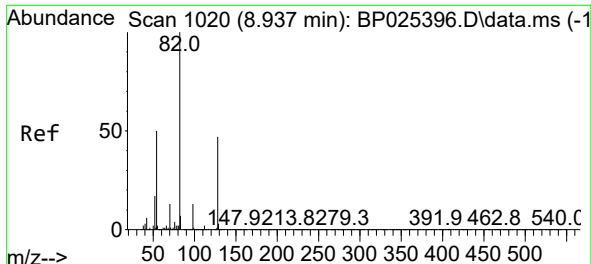
Tgt Ion: 99 Resp: 187615
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 35.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion: 136 Resp: 784325
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.1 6.0 9.0
68 5.3 4.3 6.5

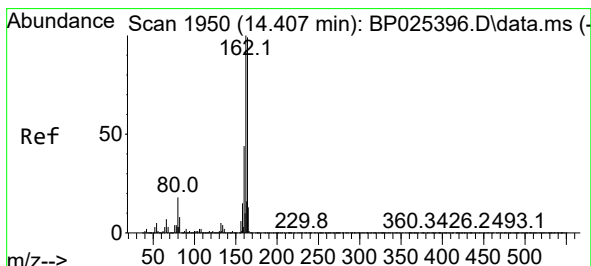
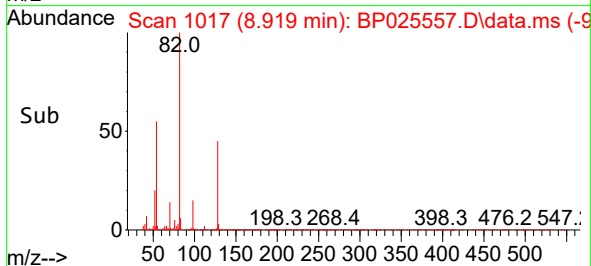
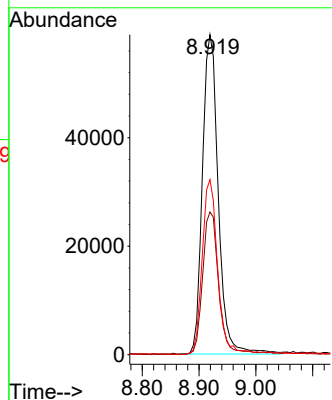
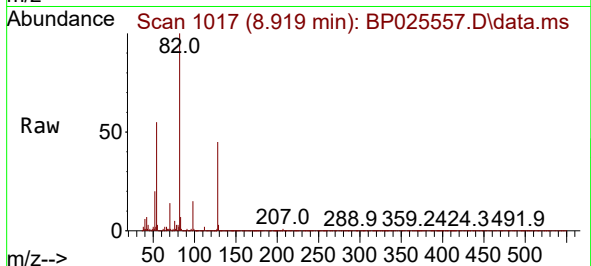




#23
Nitrobenzene-d5
Concen: 7.352 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

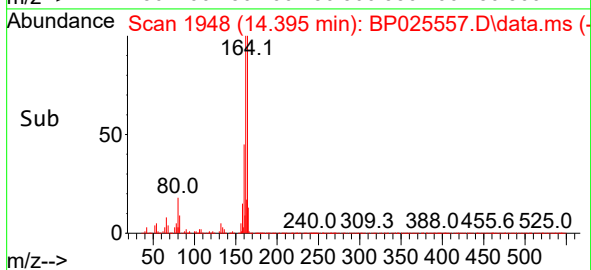
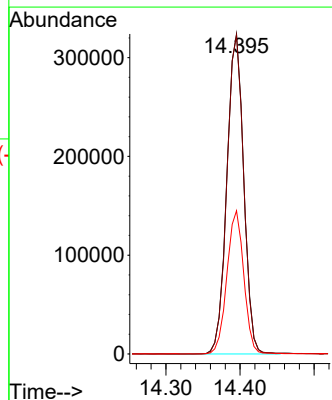
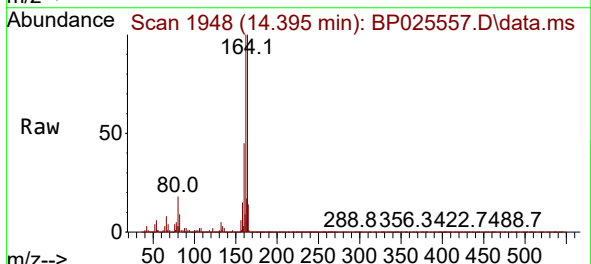
Instrument :
BNA_P
ClientSampleId :
OR-02-082025

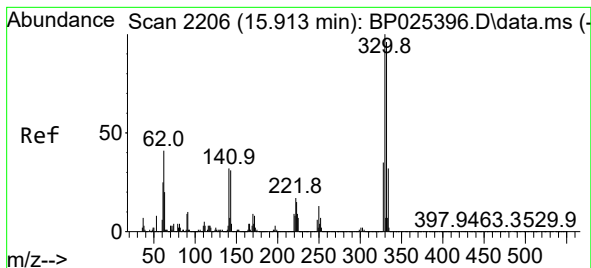
Tgt Ion: 82 Resp: 113999
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 54.7 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion: 164 Resp: 511472
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.6
160 44.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 11.496 ng

RT: 15.913 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

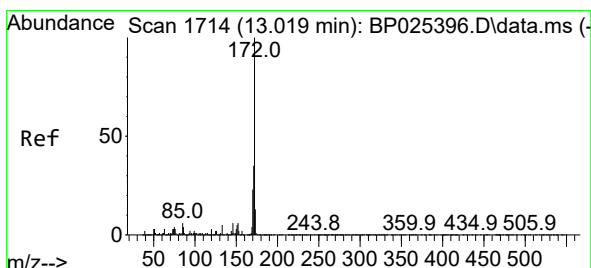
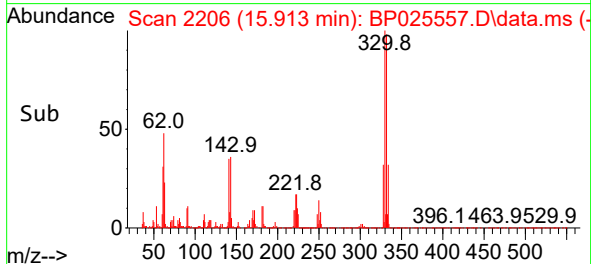
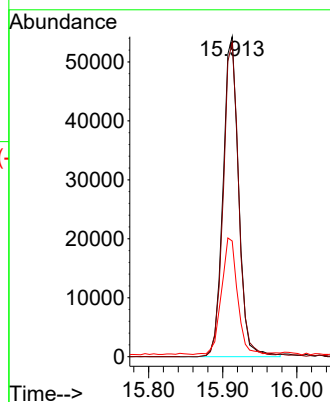
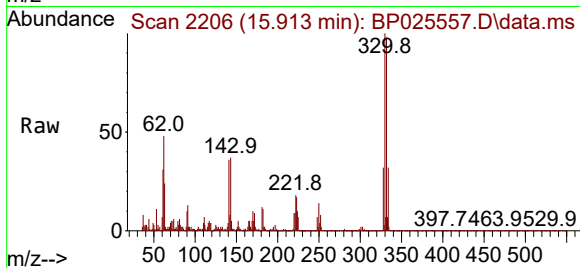
Tgt Ion:330 Resp: 79143

Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

141 37.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 7.791 ng

RT: 13.001 min Scan# 1711

Delta R.T. -0.018 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

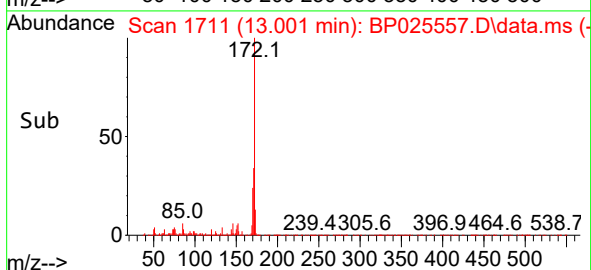
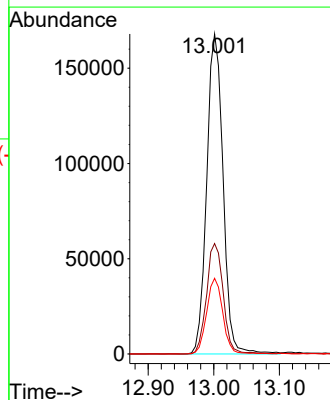
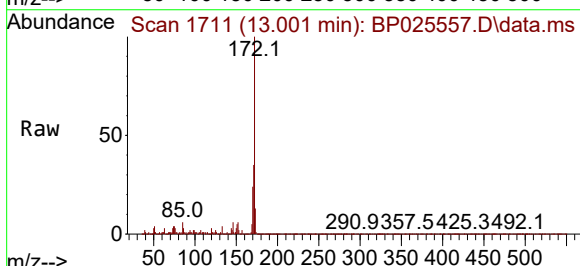
Tgt Ion:172 Resp: 291565

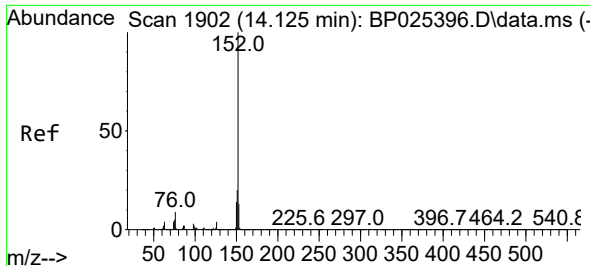
Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

170 23.6 18.6 28.0

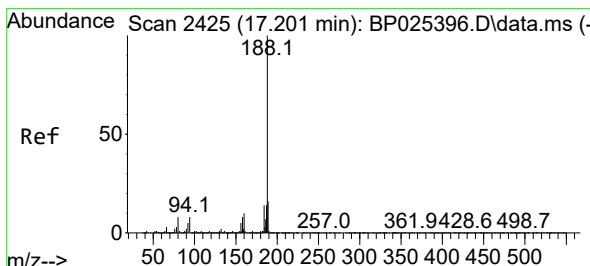
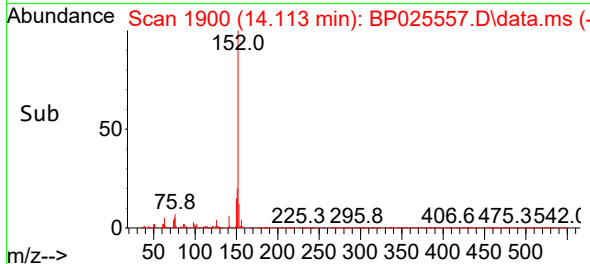
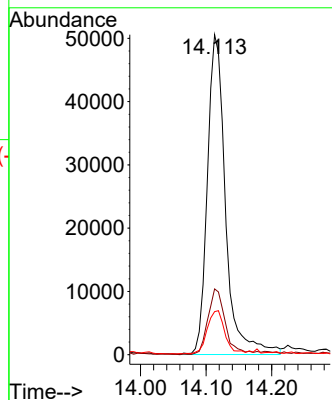
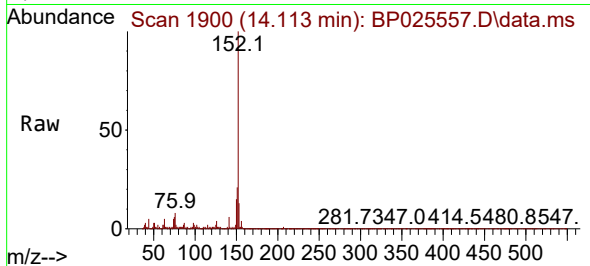




#49
Acenaphthylene
Concen: 2.044 ng
RT: 14.113 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

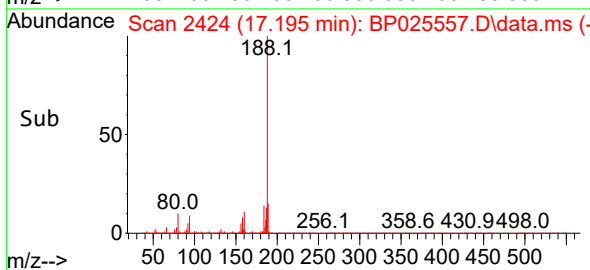
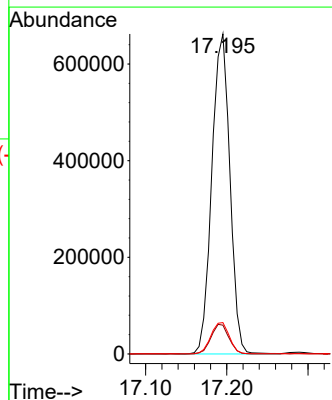
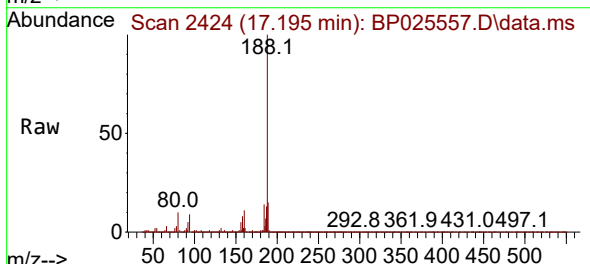
Instrument :
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OR-02-082025

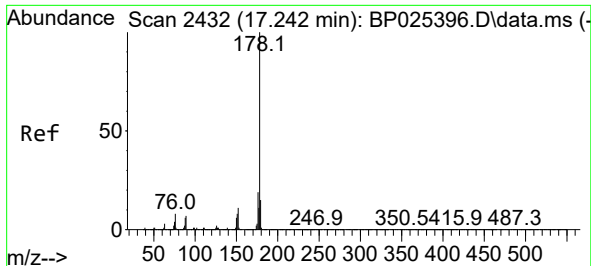
Tgt Ion:152 Resp: 97799
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 13.5 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:188 Resp: 1022068
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.8 6.7 10.1

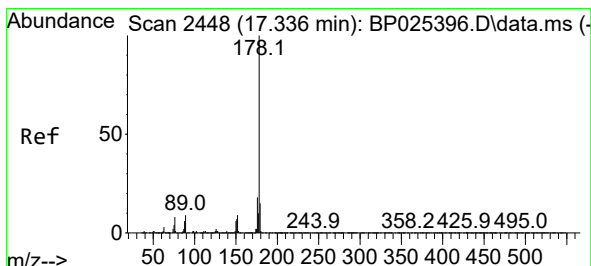
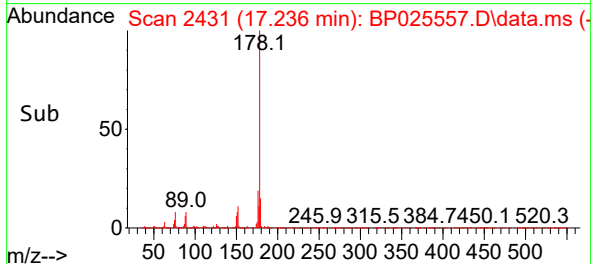
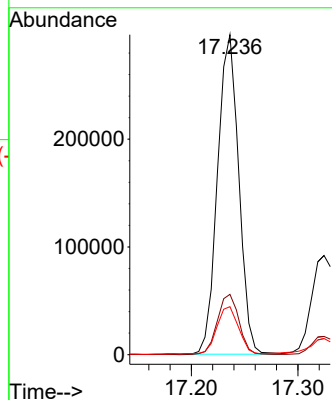
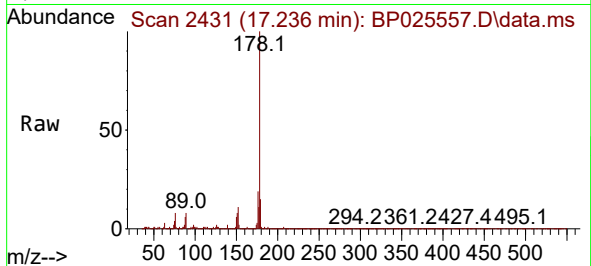




#71
Phenanthrene
Concen: 7.320 ng
RT: 17.236 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

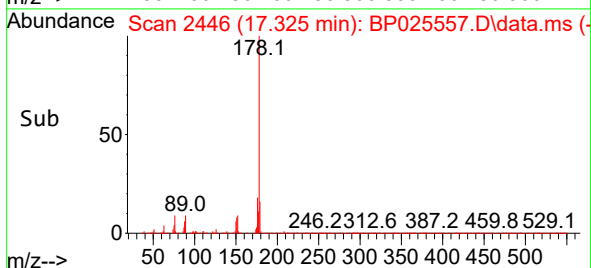
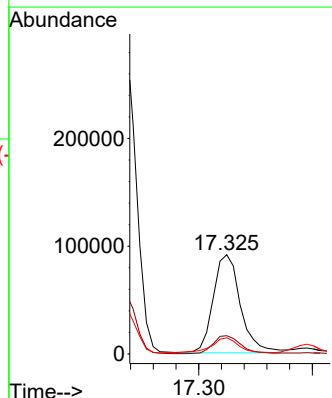
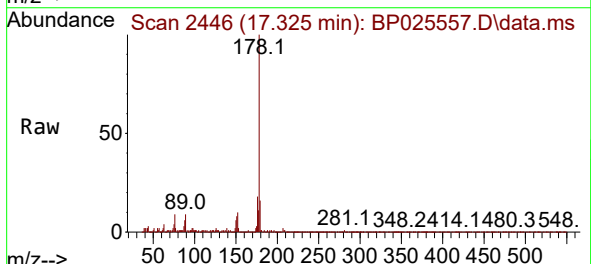
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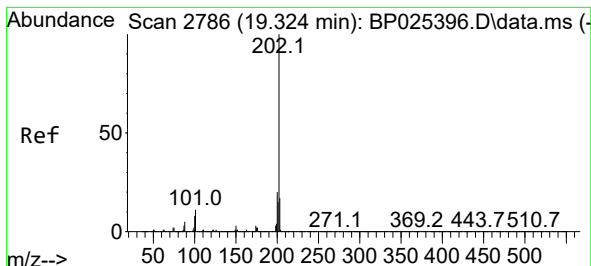
Tgt Ion:178 Resp: 410958
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.0 12.2 18.4



#72
Anthracene
Concen: 2.640 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:178 Resp: 151387
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 16.3 12.2 18.2

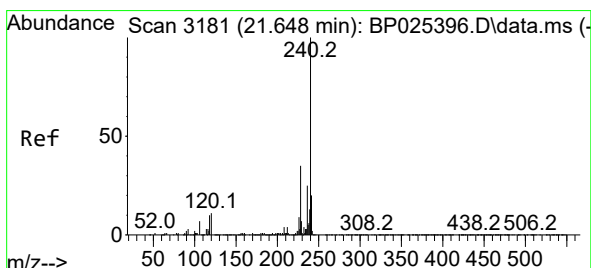
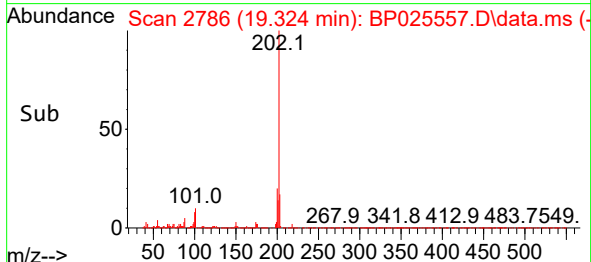
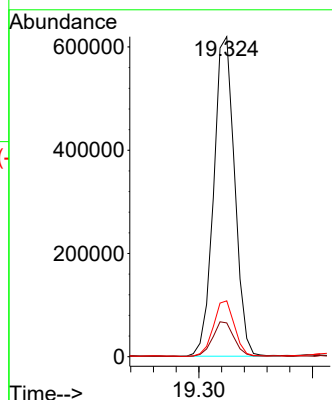
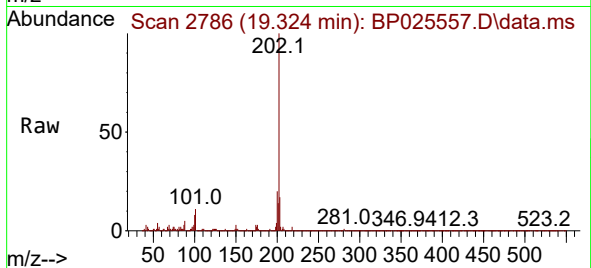




#75
Fluoranthene
Concen: 11.855 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

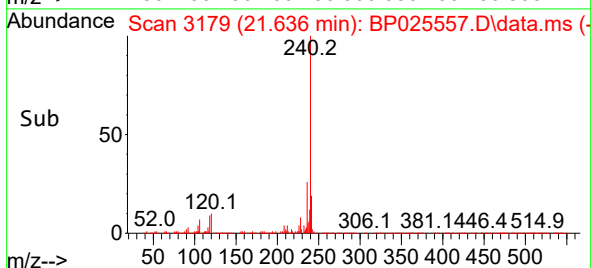
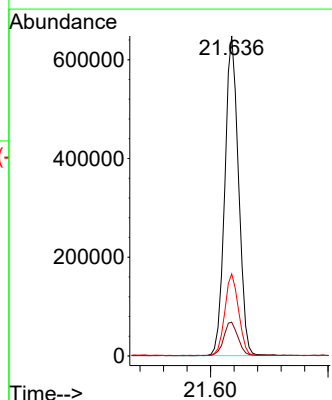
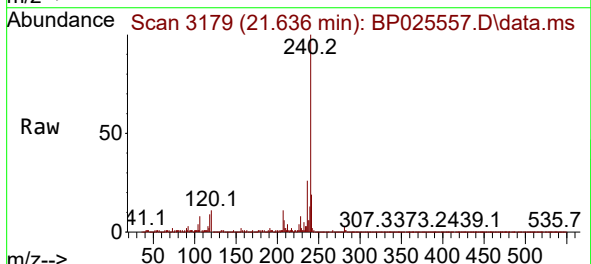
Instrument :
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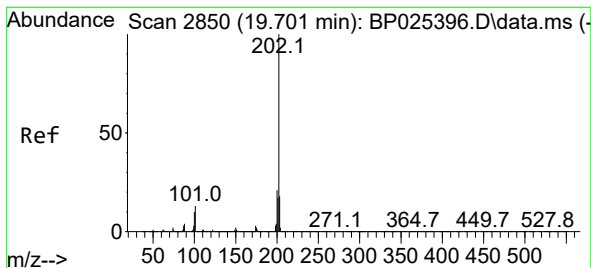
Tgt Ion:202 Resp: 793973
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025557.D
Acq: 22 Aug 2025 20:24

Tgt Ion:240 Resp: 1044043
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.7 19.8 29.8





#78

Pyrene

Concen: 12.559 ng

RT: 19.701 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

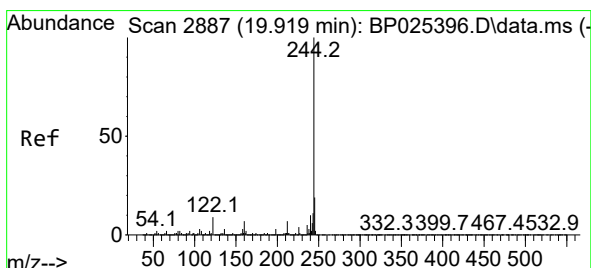
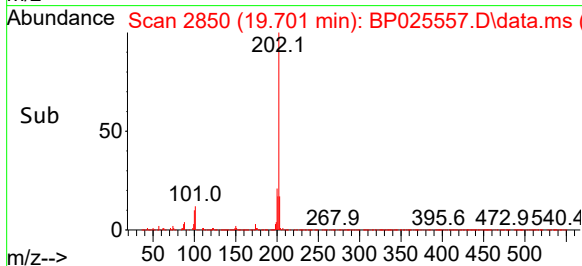
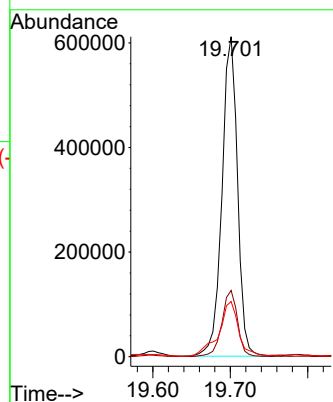
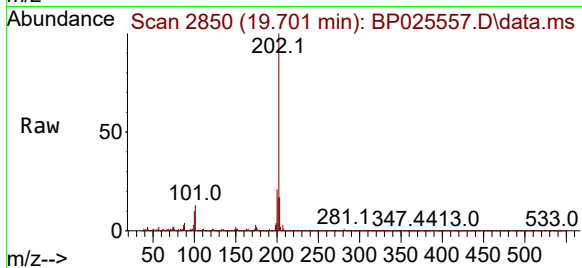
Tgt Ion:202 Resp: 852220

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 17.3 14.2 21.2



#79

Terphenyl-d14

Concen: 8.564 ng

RT: 19.907 min Scan# 2885

Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

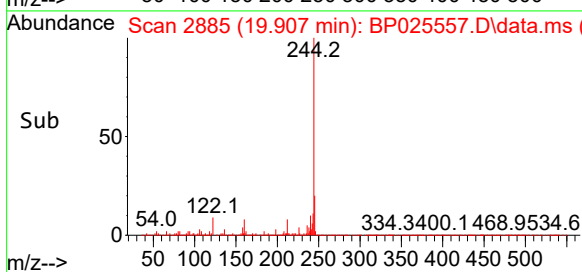
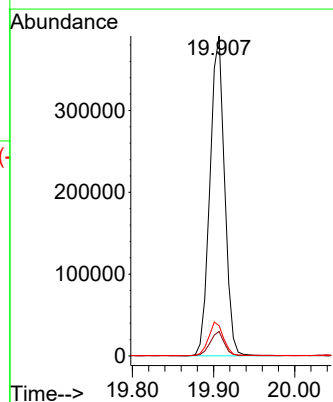
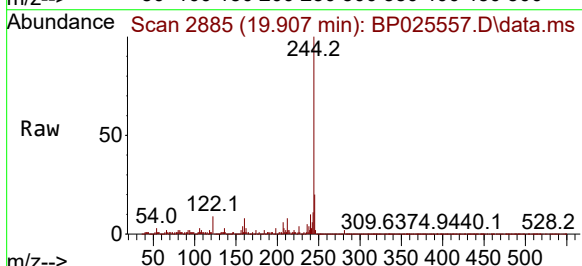
Tgt Ion:244 Resp: 488677

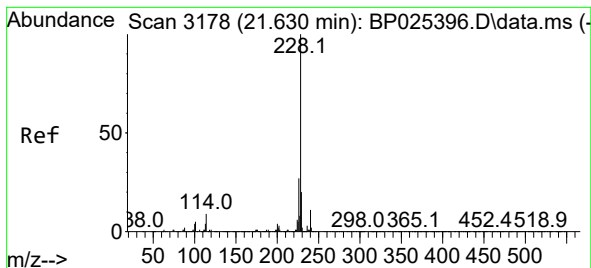
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 9.5 7.4 11.2





#81

Benzo(a)anthracene

Concen: 6.159 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

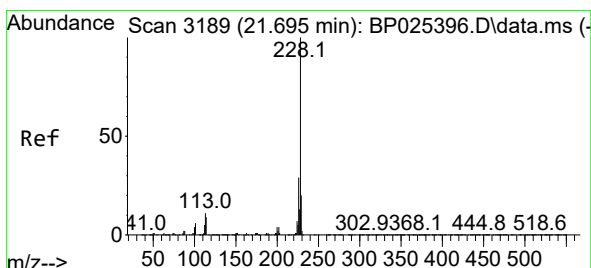
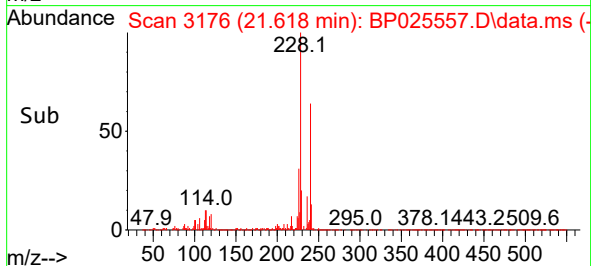
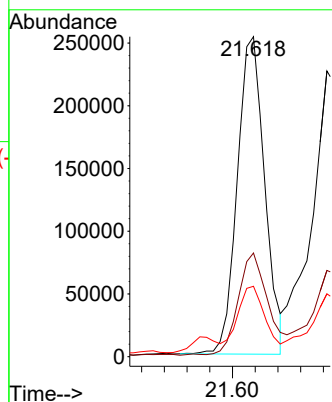
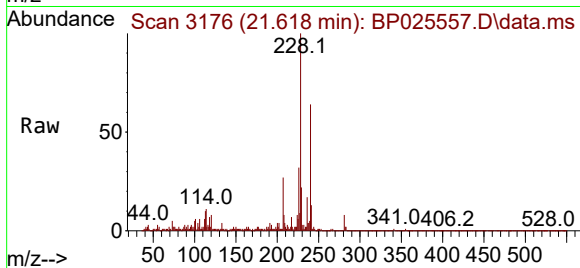
Tgt Ion:228 Resp: 424098

Ion Ratio Lower Upper

228 100

226 32.4 21.7 32.5

229 22.0 15.6 23.4



#83

Chrysene

Concen: 6.447 ng

RT: 21.683 min Scan# 3187

Delta R.T. -0.012 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

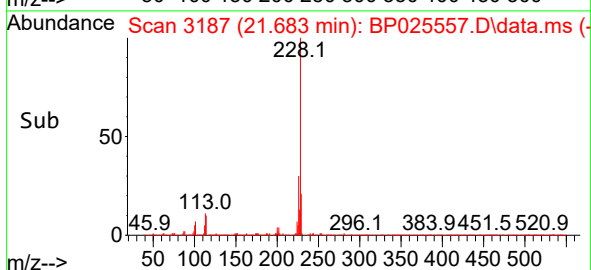
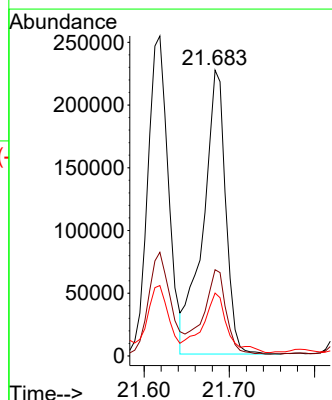
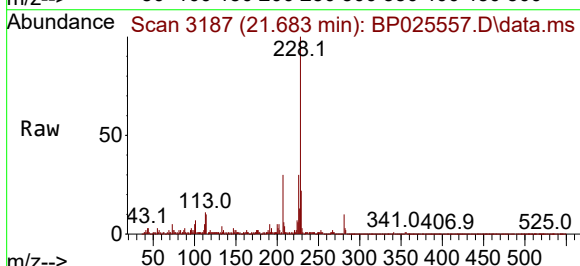
Tgt Ion:228 Resp: 415746

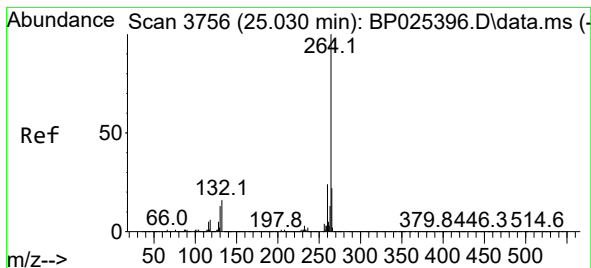
Ion Ratio Lower Upper

228 100

226 30.2 23.2 34.8

229 22.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

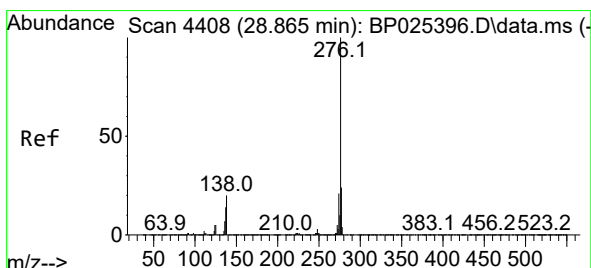
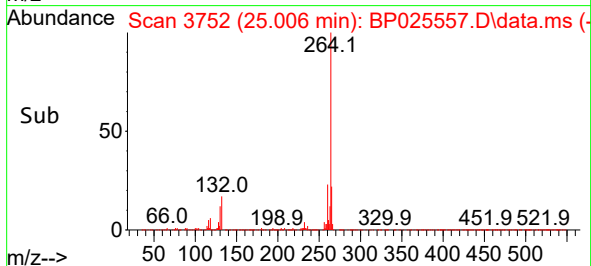
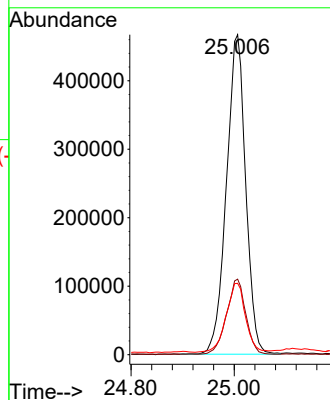
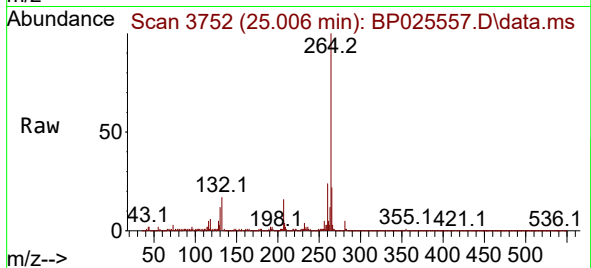
Tgt Ion:264 Resp: 1205992

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 22.3 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.750 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.059 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

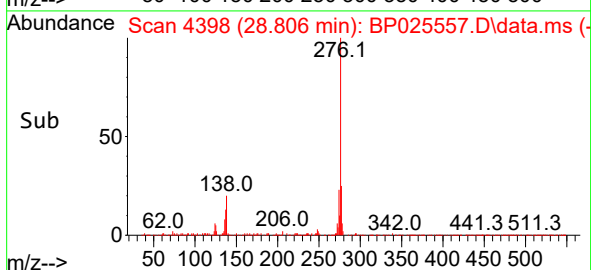
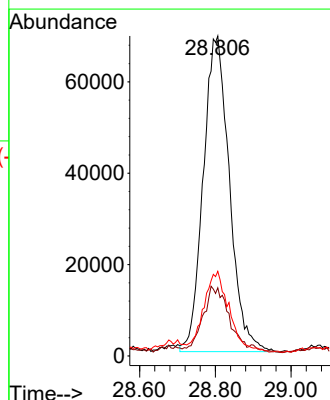
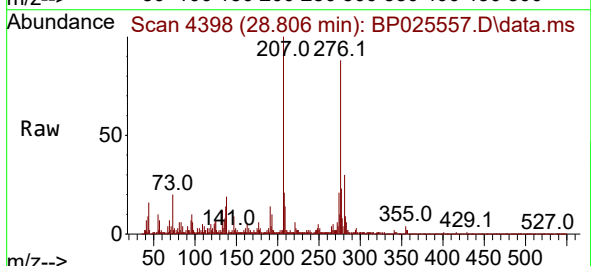
Tgt Ion:276 Resp: 331635

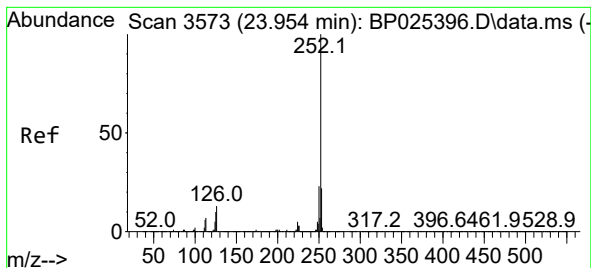
Ion Ratio Lower Upper

276 100

138 20.5 12.9 19.3#

277 24.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 8.345 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

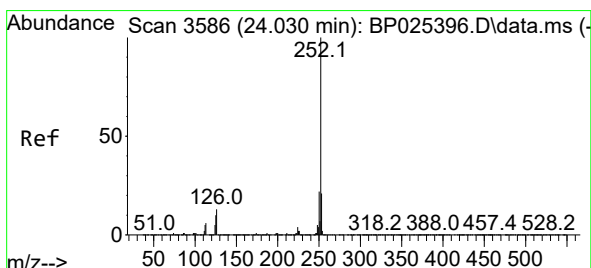
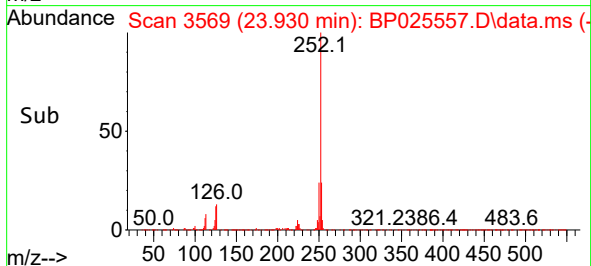
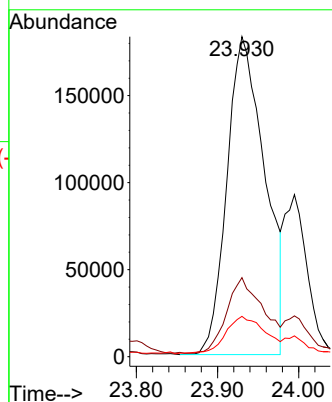
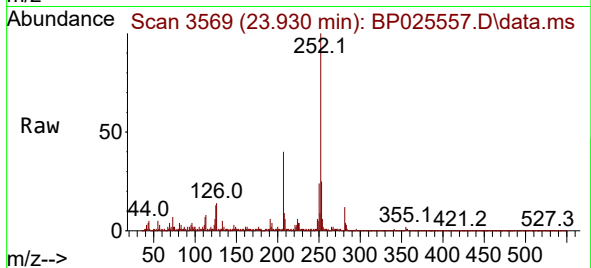
Tgt Ion:252 Resp: 593436

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 12.6 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 8.339 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.100 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

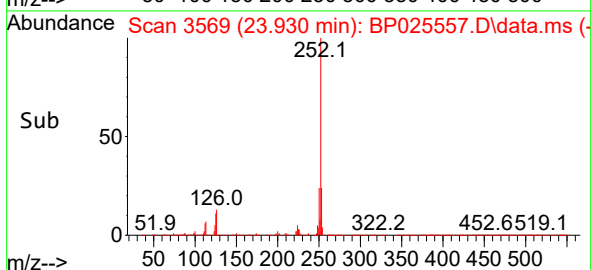
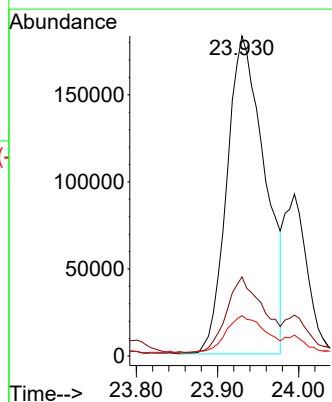
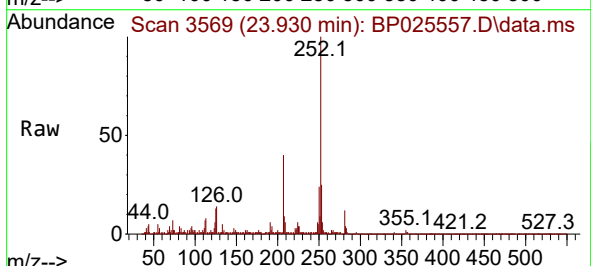
Tgt Ion:252 Resp: 593436

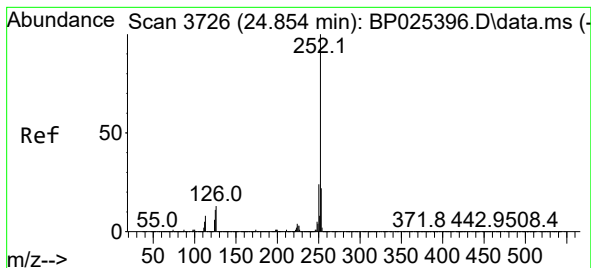
Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

125 12.6 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 6.697 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Instrument :

BNA_P

ClientSampleId :

OR-02-082025

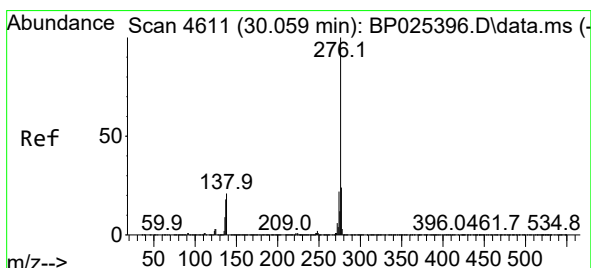
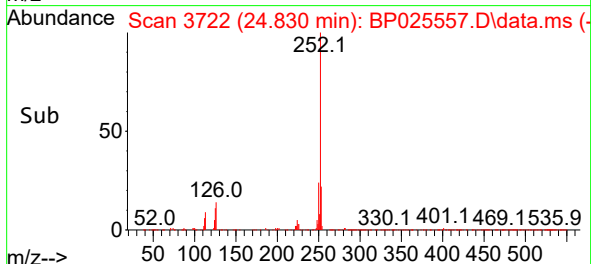
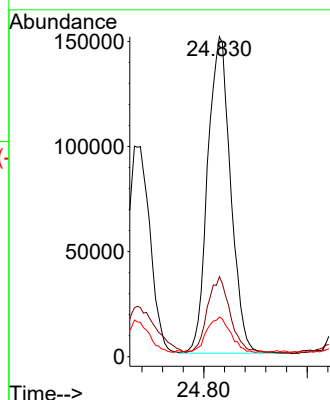
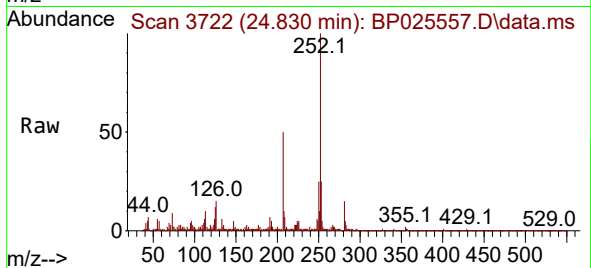
Tgt Ion:252 Resp: 463625

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 12.4 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 4.733 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.071 min

Lab File: BP025557.D

Acq: 22 Aug 2025 20:24

Tgt Ion:276 Resp: 336261

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 23.1 16.7 25.1

