

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025535.D
 Acq On : 21 Aug 2025 11:31
 Operator : CG/JU
 Sample : Q2819-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 21 13:05:53 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)

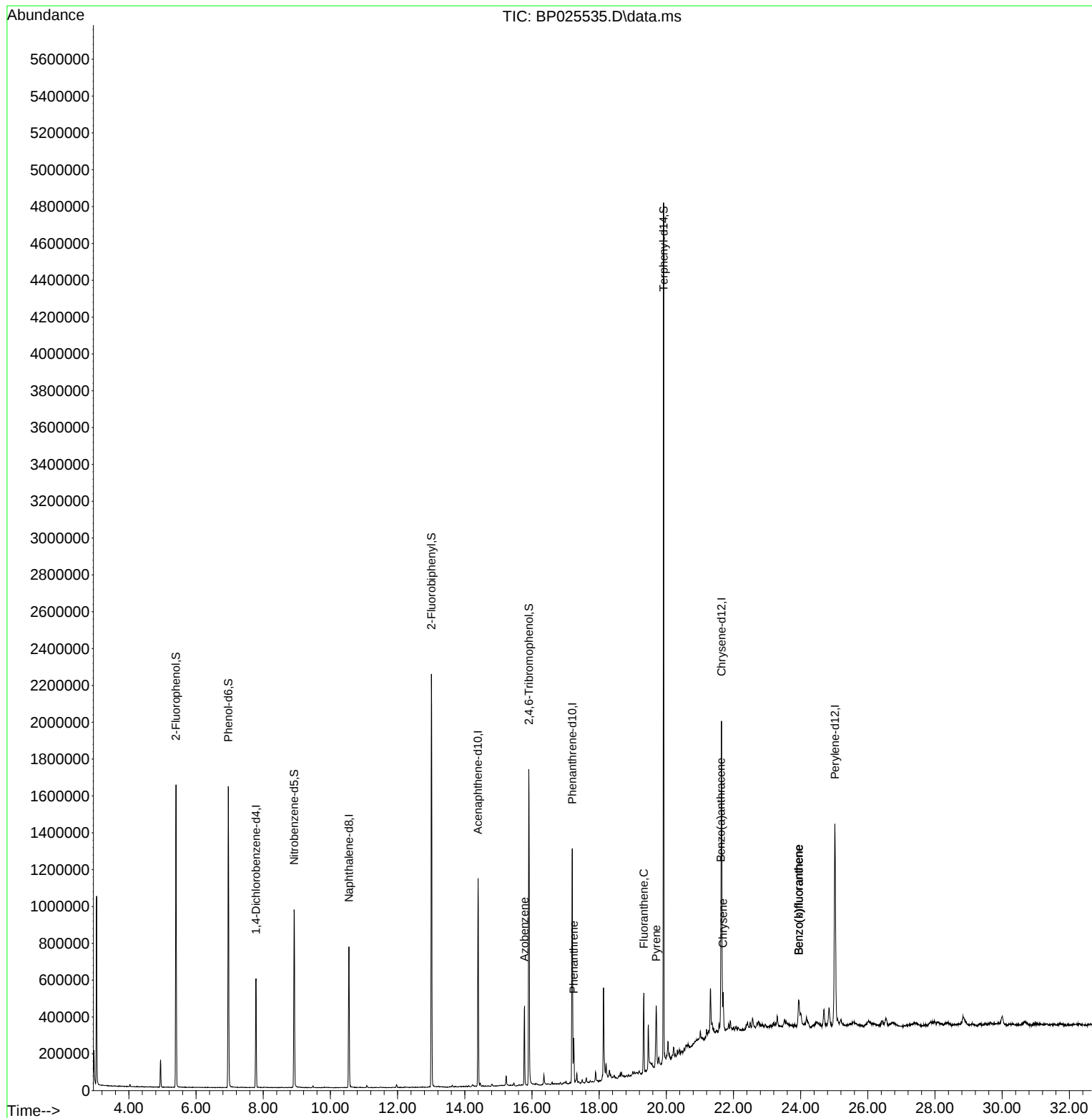
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	164539	20.000	ng	-0.01
21) Naphthalene-d8	10.549	136	640327	20.000	ng	-0.01
39) Acenaphthene-d10	14.395	164	386546	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	817504	20.000	ng	0.00
76) Chrysene-d12	21.642	240	983984	20.000	ng	0.00
86) Perylene-d12	25.018	264	1110702	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	685020	69.139	ng	0.00
7) Phenol-d6	6.961	99	878507	69.159	ng	0.00
23) Nitrobenzene-d5	8.919	82	566998	44.793	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	359905	69.173	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1158542	40.962	ng	-0.01
79) Terphenyl-d14	19.919	244	1892659	35.191	ng	0.00
Target Compounds						
						Qvalue
63) Azobenzene	15.778	77	113632	4.614	ng	# 1
71) Phenanthrene	17.242	178	159913	3.561	ng	100
75) Fluoranthene	19.330	202	304982	5.693	ng	100
78) Pyrene	19.701	202	257460	4.026	ng	100
81) Benzo(a)anthracene	21.624	228	141153	2.175	ng	98
83) Chrysene	21.689	228	137174	2.257	ng	95
88) Benzo(b)fluoranthene	23.942	252	165161	2.522	ng	# 98
89) Benzo(k)fluoranthene	23.942	252	165161	2.520	ng	# 97

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

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Operator : CG/JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

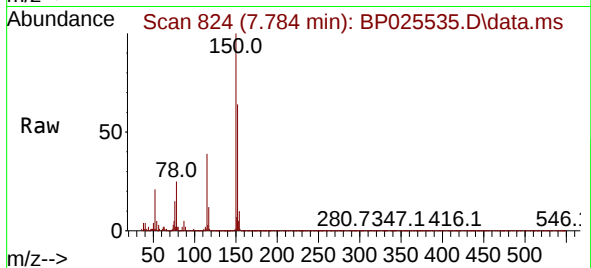
Quant Time: Aug 21 13:05:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



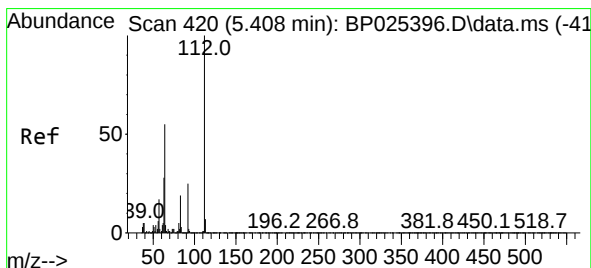
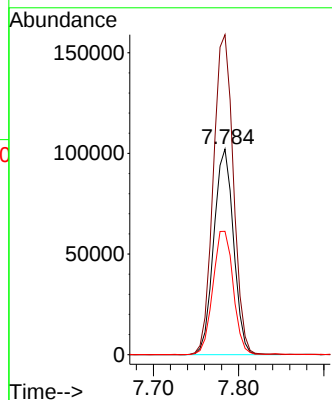
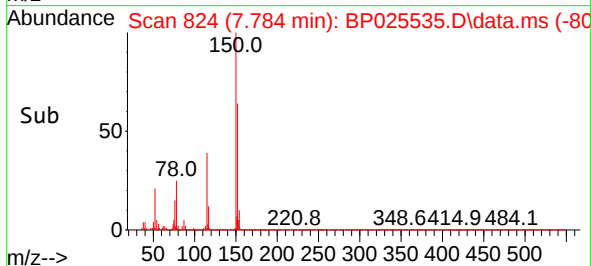


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

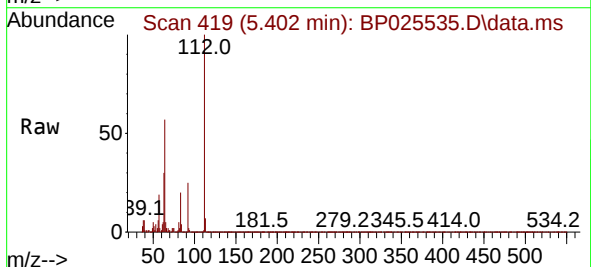
Instrument :
BNA_P
ClientSampleId :



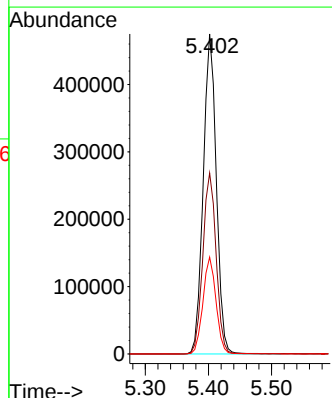
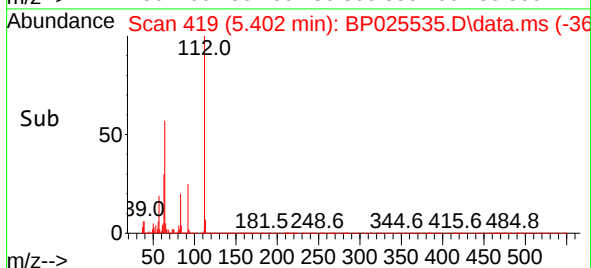
Tgt Ion:152 Resp: 164539
Ion Ratio Lower Upper
152 100
150 155.6 125.9 188.9
115 60.0 48.5 72.7

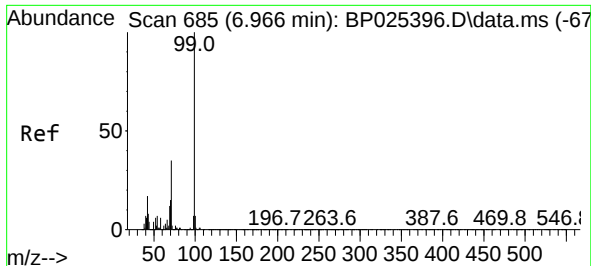


#5
2-Fluorophenol
Concen: 69.139 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31



Tgt Ion:112 Resp: 685020
Ion Ratio Lower Upper
112 100
64 56.6 43.8 65.8
63 30.3 22.7 34.1

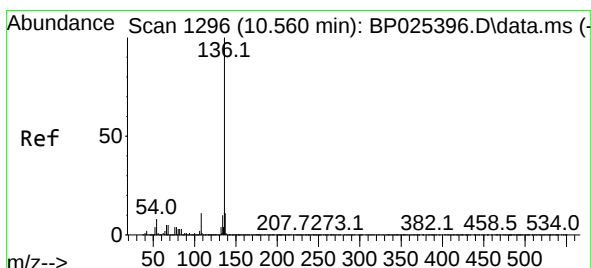
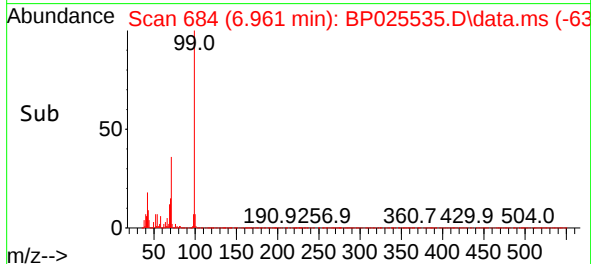
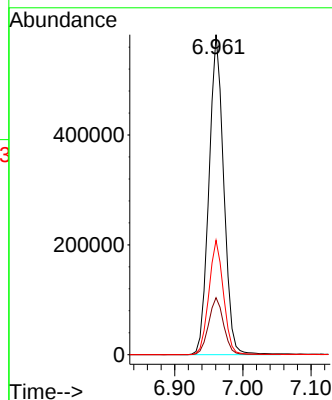
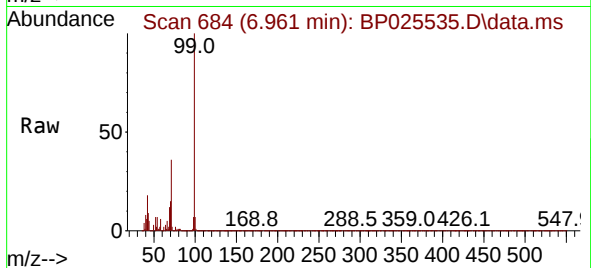




#7
Phenol-d6
Concen: 69.159 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

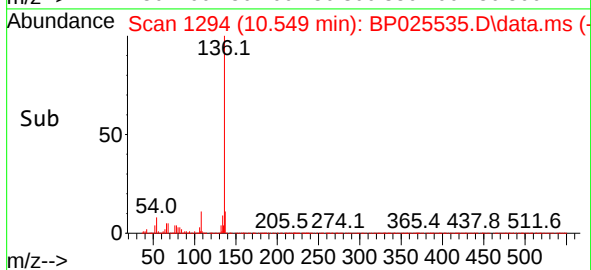
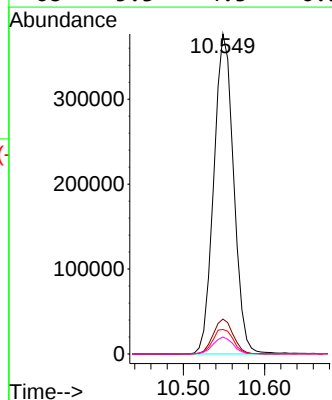
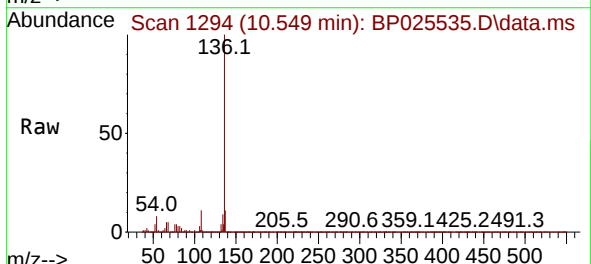
Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 99 Resp: 878507
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

Tgt Ion: 136 Resp: 640327
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.6 6.0 9.0
68 5.3 4.3 6.5

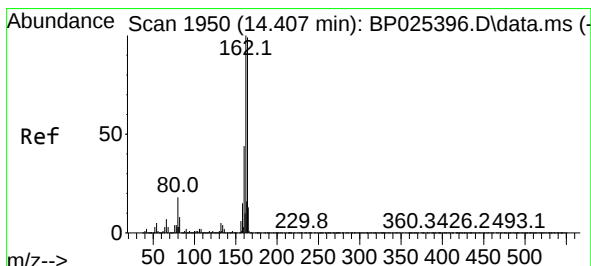
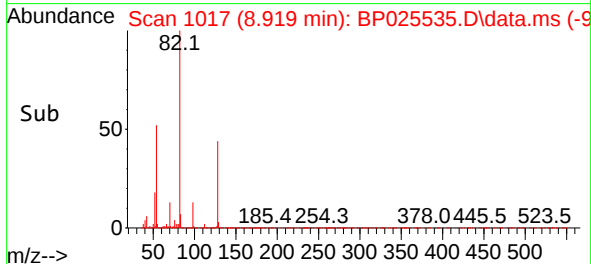
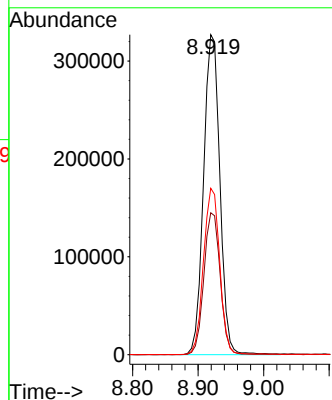
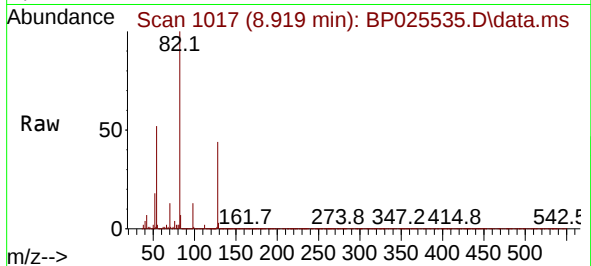




#23
Nitrobenzene-d5
Concen: 44.793 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

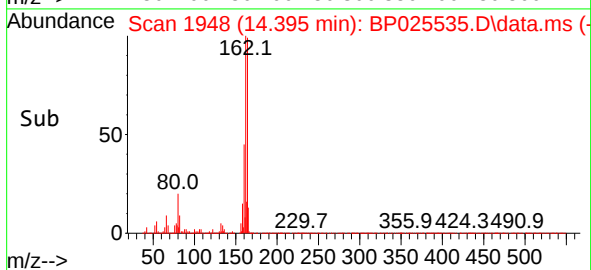
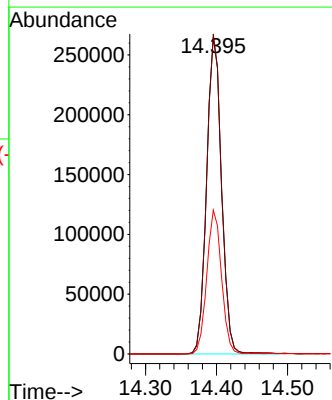
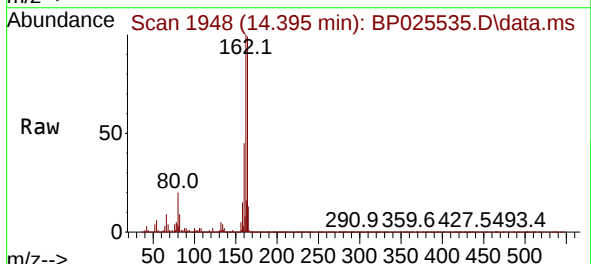
Instrument :
BNA_P
ClientSampleId :

Tgt Ion: 82 Resp: 566998
Ion Ratio Lower Upper
82 100
128 44.4 37.7 56.5
54 52.0 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: BP025535.D
Acq: 21 Aug 2025 11:31

Tgt Ion:164 Resp: 386546
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.6
160 45.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 69.173 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

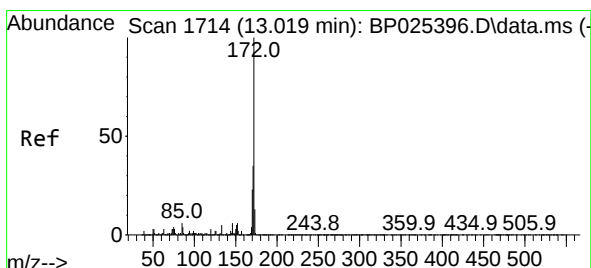
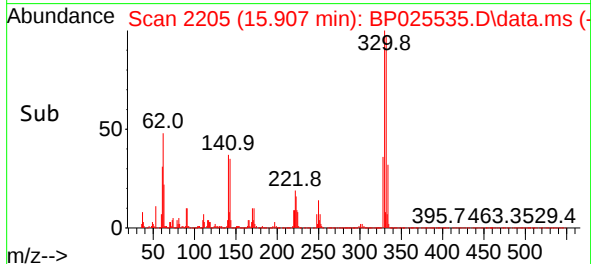
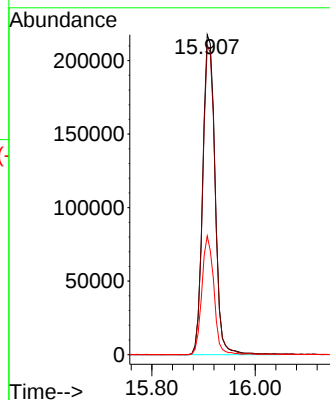
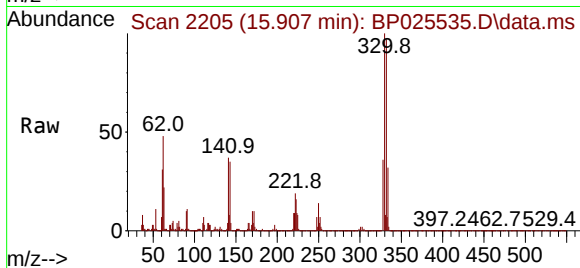
Tgt Ion:330 Resp: 359905

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 36.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 40.962 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

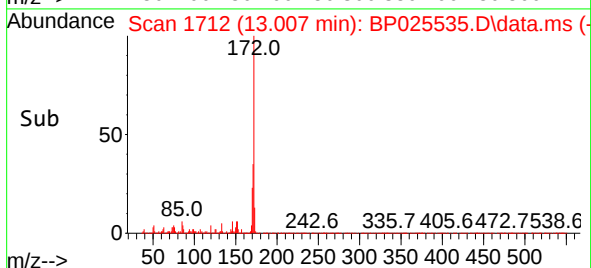
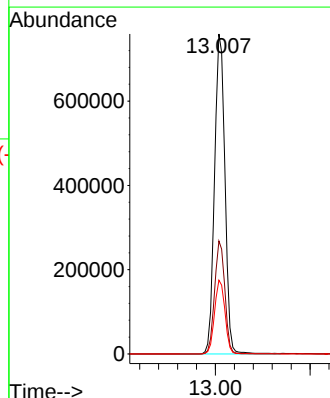
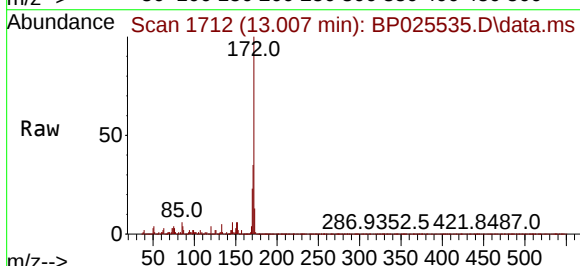
Tgt Ion:172 Resp: 1158542

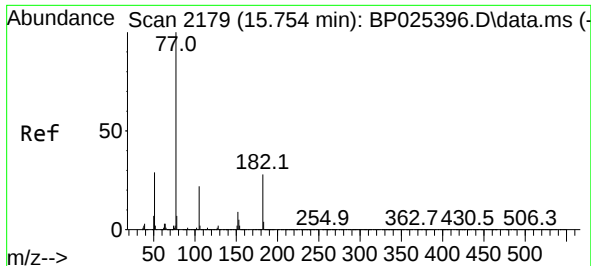
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.1 18.6 28.0

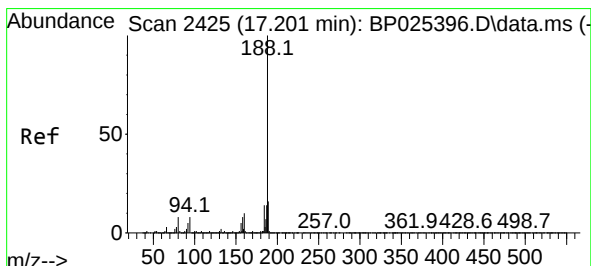
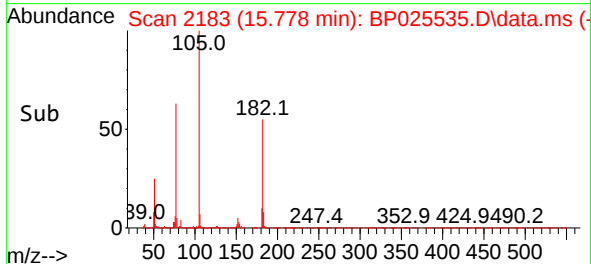
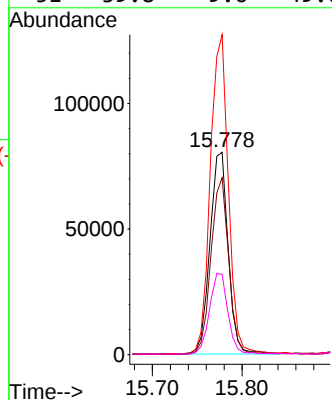
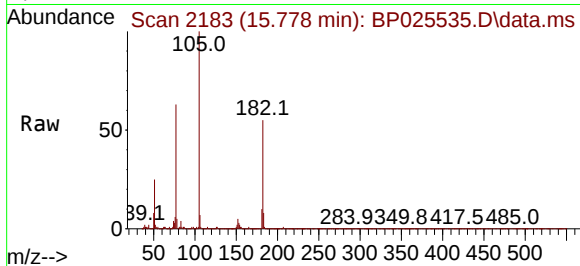




#63
Azobenzene
Concen: 4.614 ng
RT: 15.778 min Scan# 2179
Delta R.T. 0.024 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

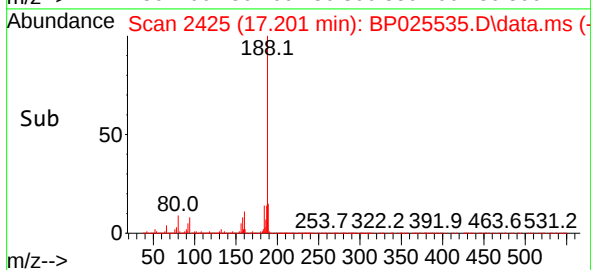
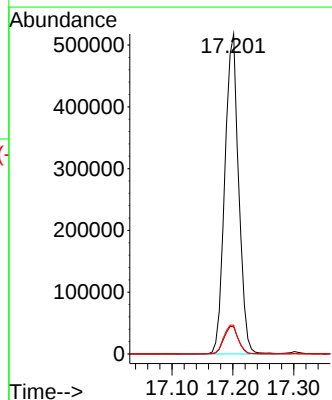
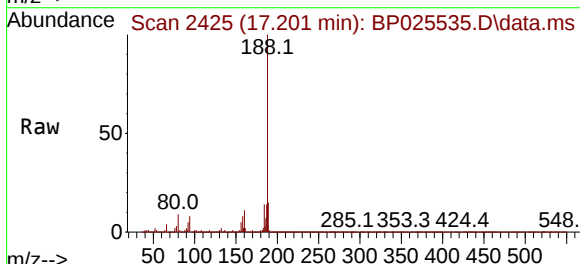
Instrument :
BNA_P
ClientSampleId :

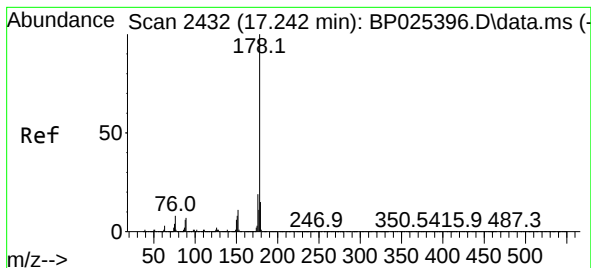
Tgt Ion: 77 Resp: 113632
Ion Ratio Lower Upper
77 100
182 87.4 7.5 47.5#
105 158.1 2.1 42.1#
51 39.8 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025535.D
Acq: 21 Aug 2025 11:31

Tgt Ion: 188 Resp: 817504
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.0 6.7 10.1





#71

Phenanthrene

Concen: 3.561 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

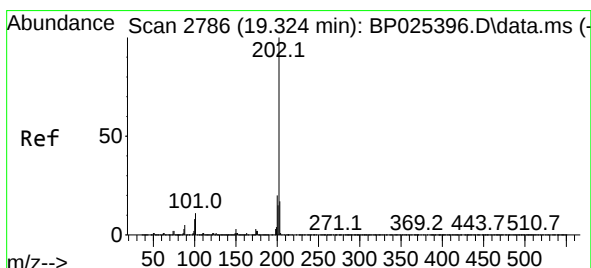
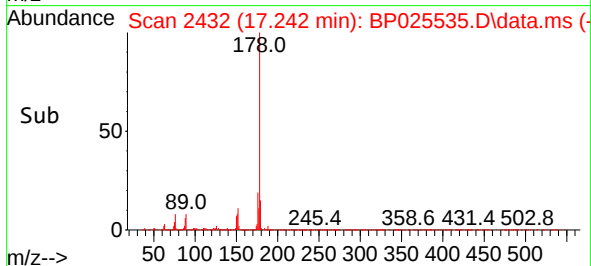
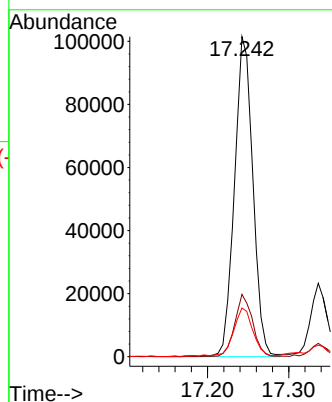
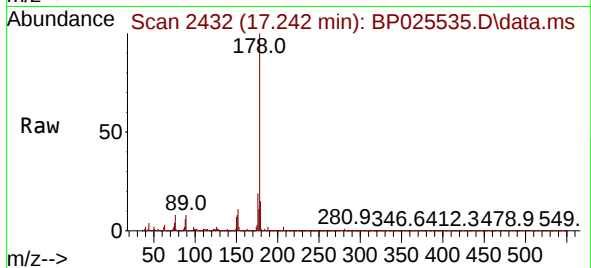
Tgt Ion:178 Resp: 159913

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.2 18.4



#75

Fluoranthene

Concen: 5.693 ng

RT: 19.330 min Scan# 2787

Delta R.T. 0.006 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

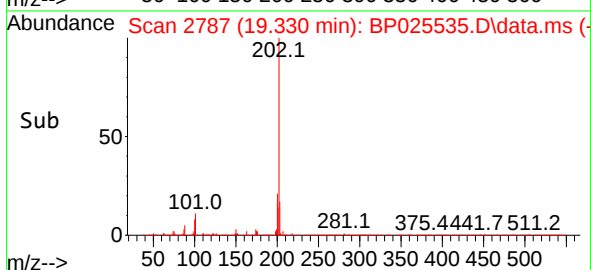
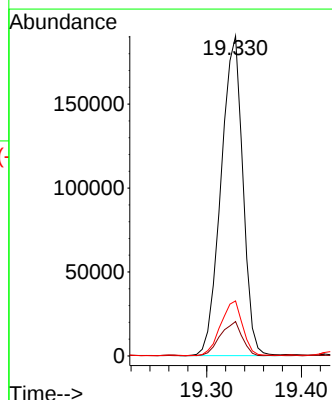
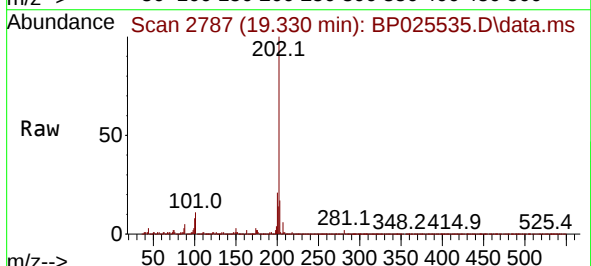
Tgt Ion:202 Resp: 304982

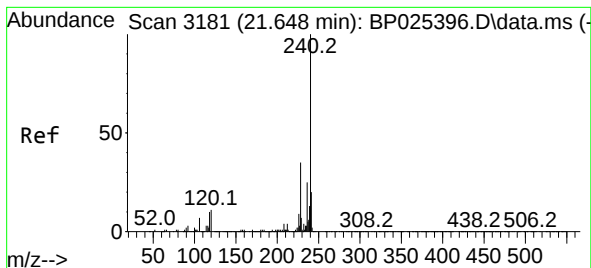
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.1

203 17.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

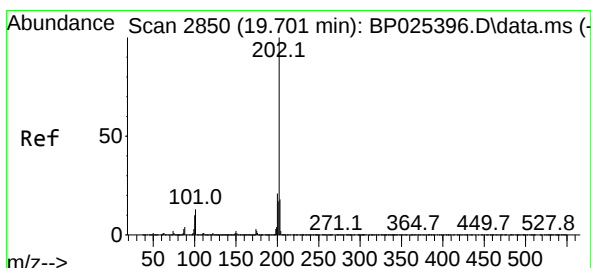
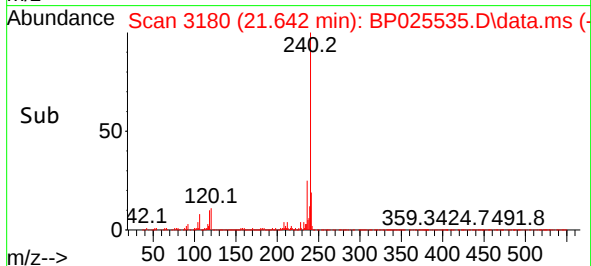
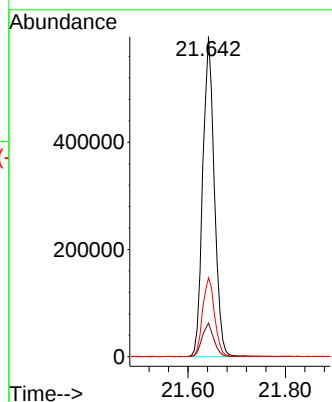
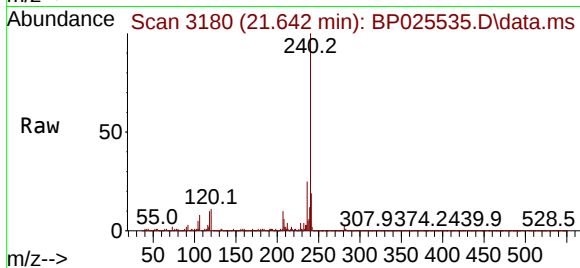
Tgt Ion:240 Resp: 983984

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 24.6 19.8 29.8



#78

Pyrene

Concen: 4.026 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

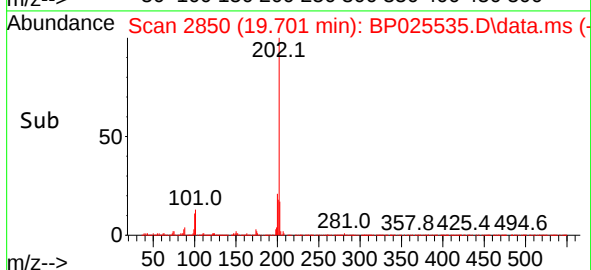
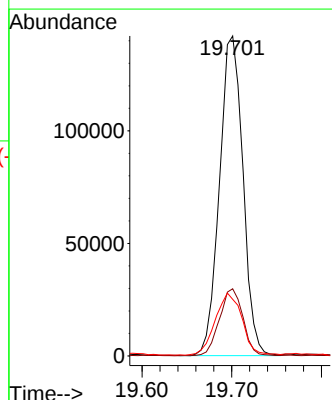
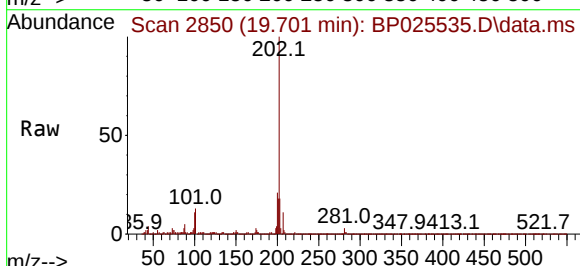
Tgt Ion:202 Resp: 257460

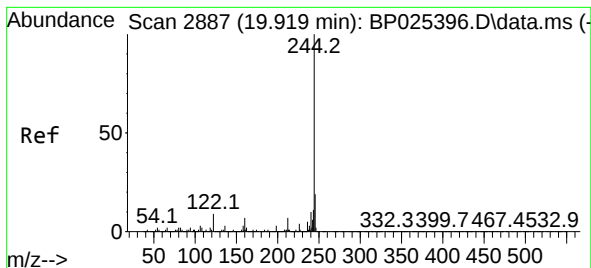
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 35.191 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

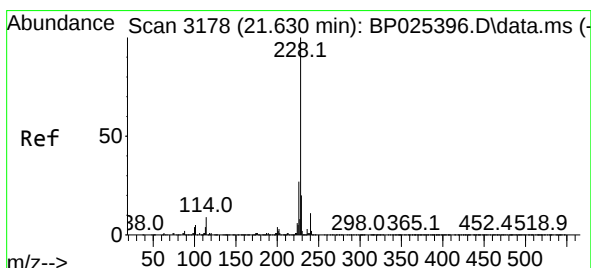
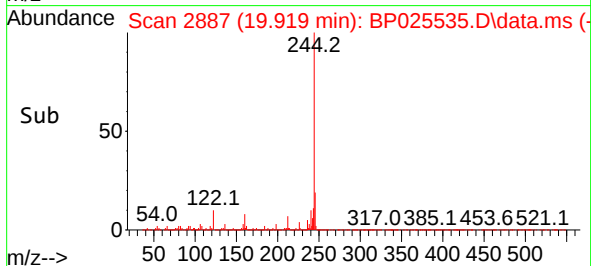
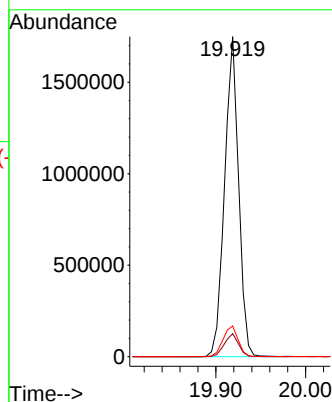
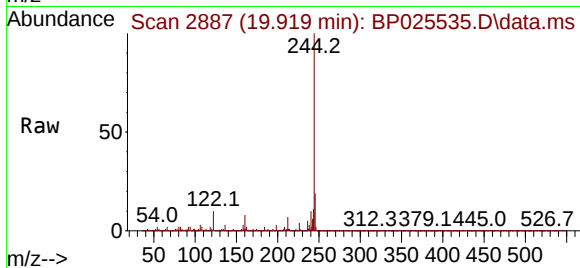
Tgt Ion:244 Resp: 1892659

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.6 7.4 11.2



#81

Benzo(a)anthracene

Concen: 2.175 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

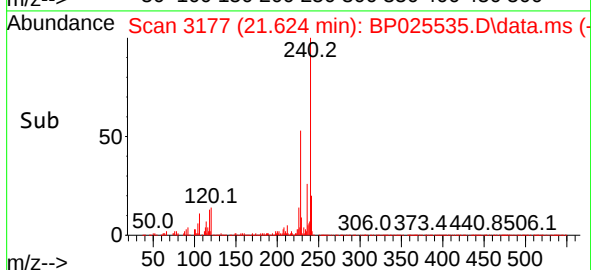
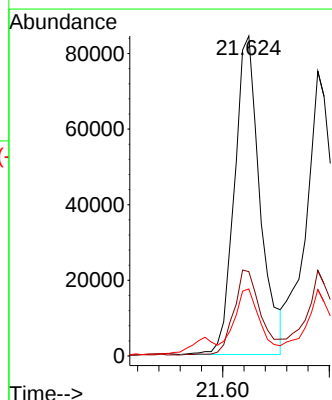
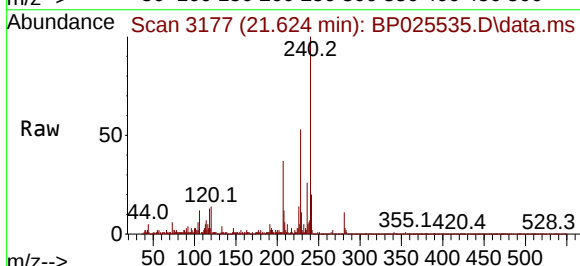
Tgt Ion:228 Resp: 141153

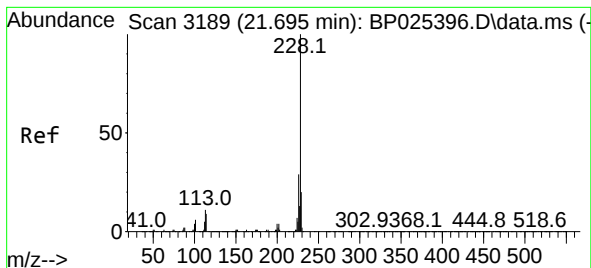
Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

229 21.0 15.6 23.4





#83

Chrysene

Concen: 2.257 ng

RT: 21.689 min Scan# 3189

Delta R.T. -0.006 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

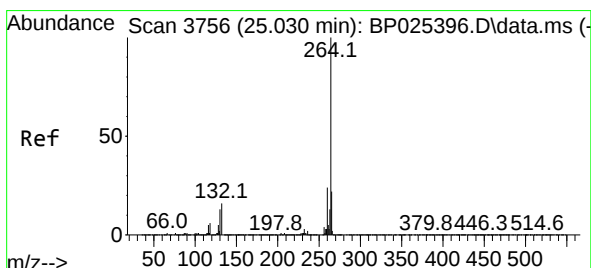
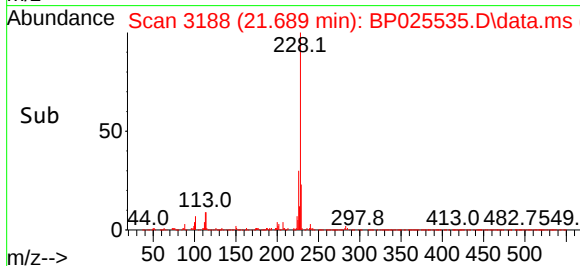
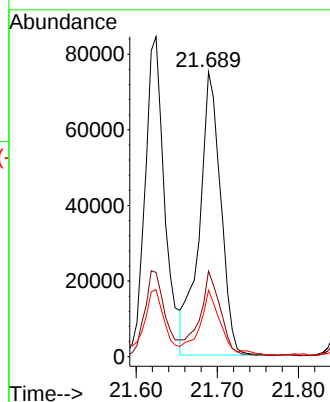
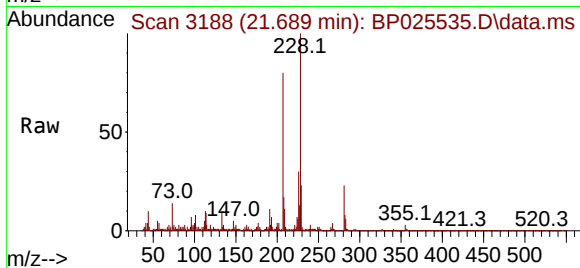
Tgt Ion:228 Resp: 137174

Ion Ratio Lower Upper

228 100

226 30.1 23.2 34.8

229 23.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3754

Delta R.T. -0.012 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

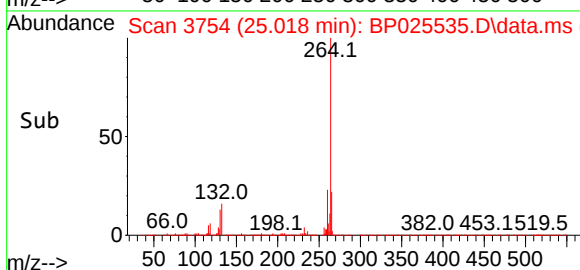
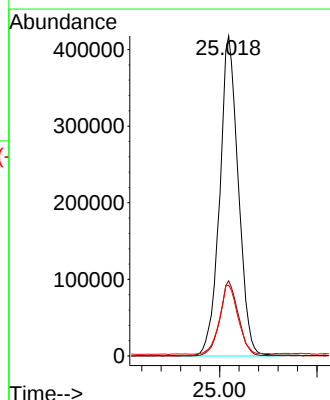
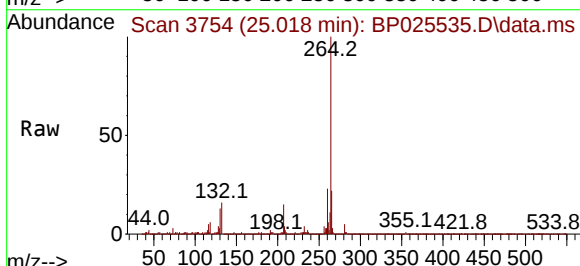
Tgt Ion:264 Resp: 1110702

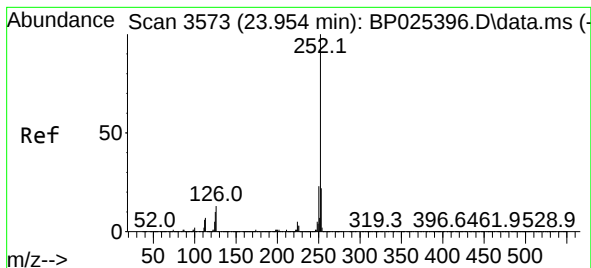
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 22.1 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.522 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Instrument :

BNA_P

ClientSampleId :

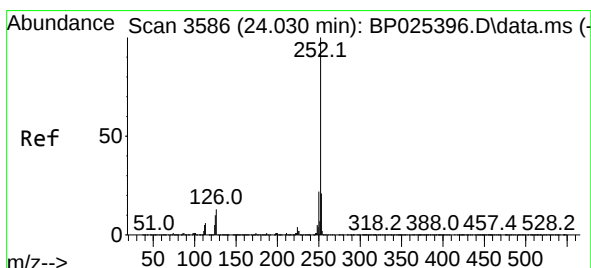
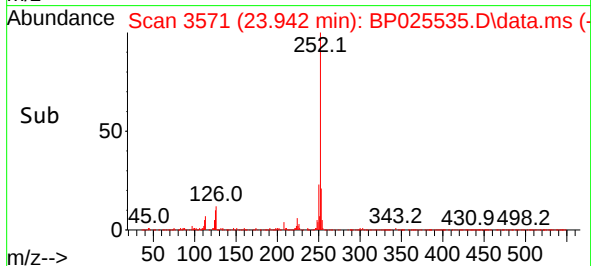
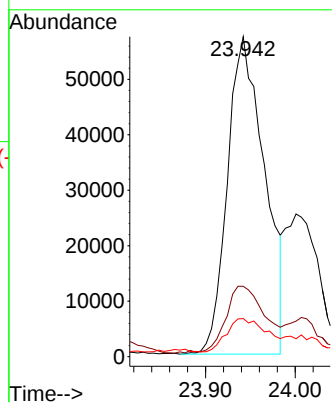
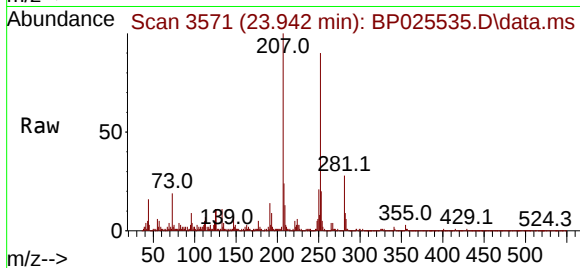
Tgt Ion:252 Resp: 165161

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.9 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 2.520 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.088 min

Lab File: BP025535.D

Acq: 21 Aug 2025 11:31

Tgt Ion:252 Resp: 165161

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 11.9 7.8 11.6#

