

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025534.D
 Acq On : 21 Aug 2025 10:50
 Operator : CG/JU
 Sample : Q2819-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 84SB-S

Quant Time: Aug 21 13:05:39 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)

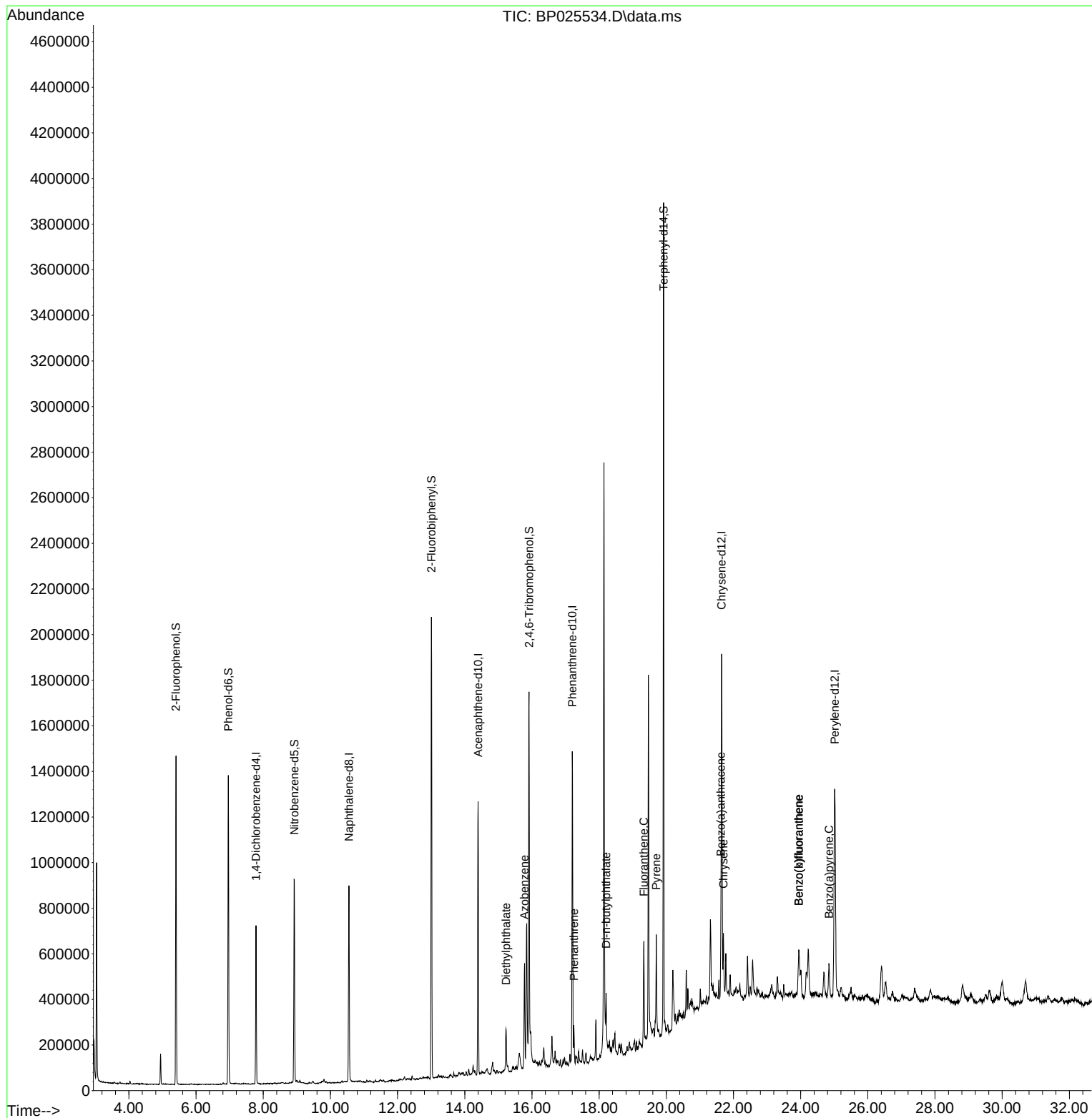
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	186498	20.000	ng	-0.01
21) Naphthalene-d8	10.549	136	731492	20.000	ng	-0.01
39) Acenaphthene-d10	14.395	164	448798	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	879089	20.000	ng	0.00
76) Chrysene-d12	21.648	240	947974	20.000	ng	0.00
86) Perylene-d12	25.012	264	1103815	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	602725	53.671	ng	0.00
7) Phenol-d6	6.960	99	767072	53.277	ng	0.00
23) Nitrobenzene-d5	8.925	82	519692	35.939	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	309459	51.228	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1118551	34.062	ng	-0.01
79) Terphenyl-d14	19.919	244	1627060	31.402	ng	0.00
Target Compounds						
						Qvalue
60) Diethylphthalate	15.231	149	147412	4.414	ng	97
63) Azobenzene	15.778	77	126416	4.421	ng	# 1
71) Phenanthrene	17.248	178	97907	2.027	ng	99
74) Di-n-butylphthalate	18.207	149	151766	2.656	ng	99
75) Fluoranthene	19.330	202	263702	4.578	ng	99
78) Pyrene	19.701	202	252098	4.091	ng	99
81) Benzo(a)anthracene	21.624	228	140854	2.253	ng	93
83) Chrysene	21.701	228	168589	2.879	ng	99
88) Benzo(b)fluoranthene	23.948	252	235399	3.617	ng	# 96
89) Benzo(k)fluoranthene	23.948	252	235399	3.614	ng	# 95
90) Benzo(a)pyrene	24.842	252	155158	2.449	ng	# 95

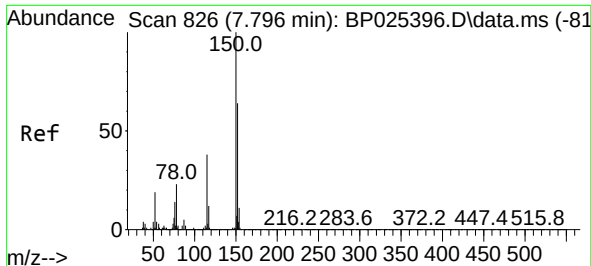
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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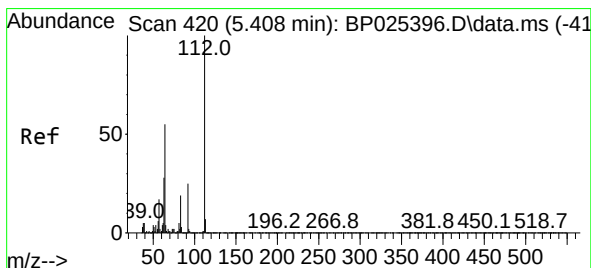
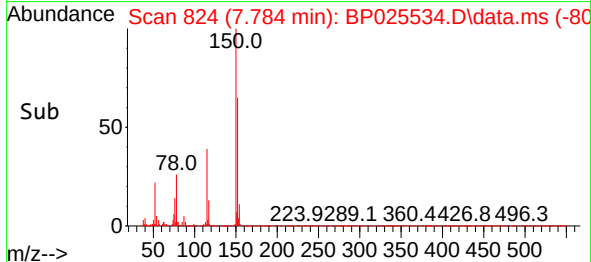
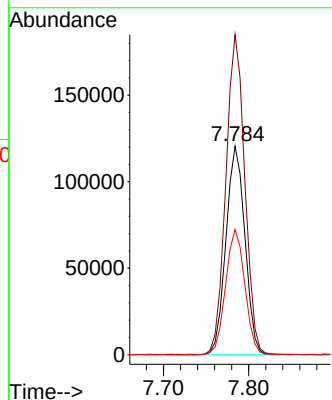
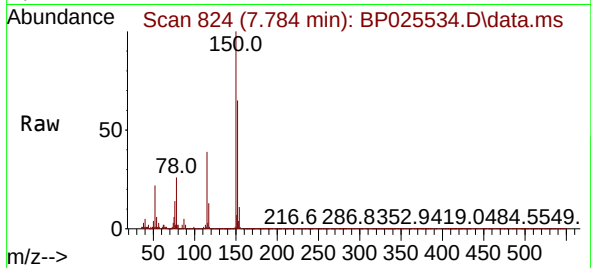




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

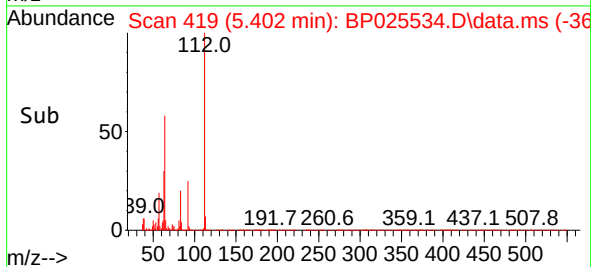
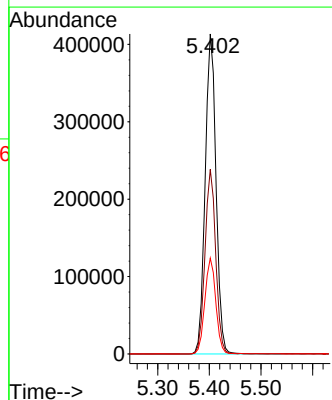
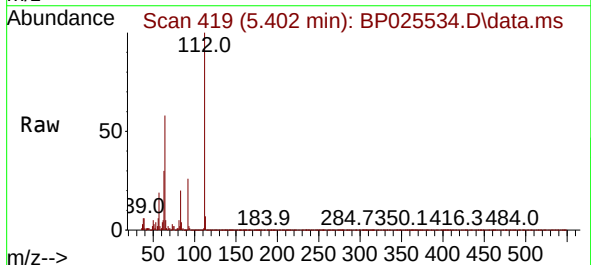
Instrument :
BNA_P
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84SB-S

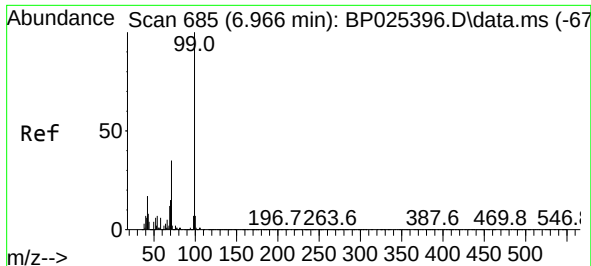
Tgt Ion:152 Resp: 186498
Ion Ratio Lower Upper
152 100
150 153.5 125.9 188.9
115 60.0 48.5 72.7



#5
2-Fluorophenol
Concen: 53.671 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

Tgt Ion:112 Resp: 602725
Ion Ratio Lower Upper
112 100
64 57.7 43.8 65.8
63 30.0 22.7 34.1

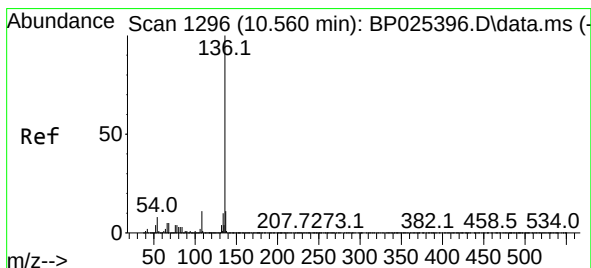
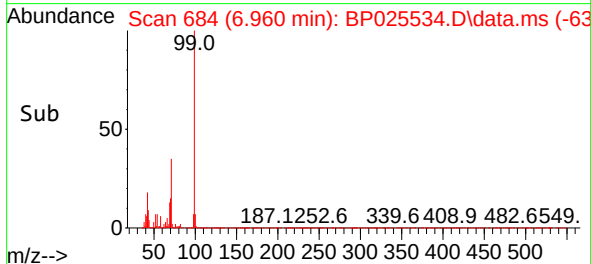
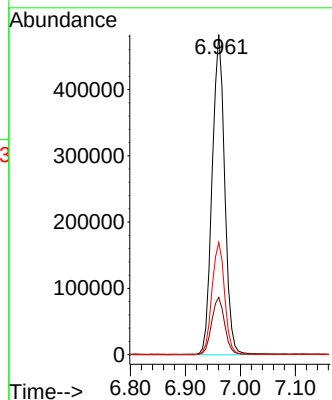
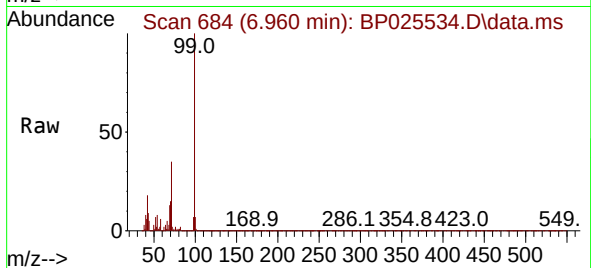




#7
Phenol-d6
Concen: 53.277 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

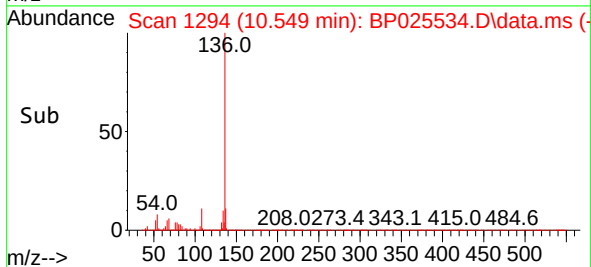
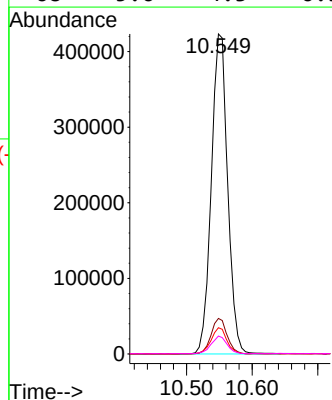
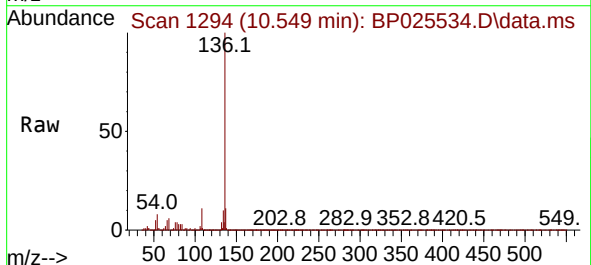
Instrument :
BNA_P
ClientSampleId :
84SB-S

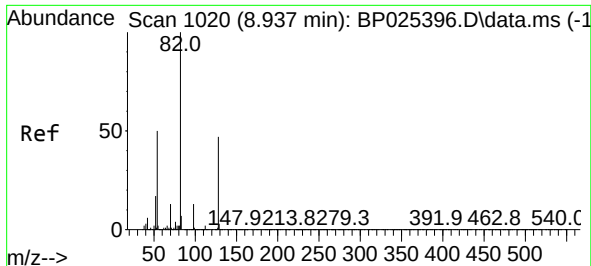
Tgt Ion: 99 Resp: 767072
Ion Ratio Lower Upper
99 100
42 17.9 13.7 20.5
71 35.1 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

Tgt Ion:136 Resp: 731492
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.2 6.0 9.0
68 5.6 4.3 6.5

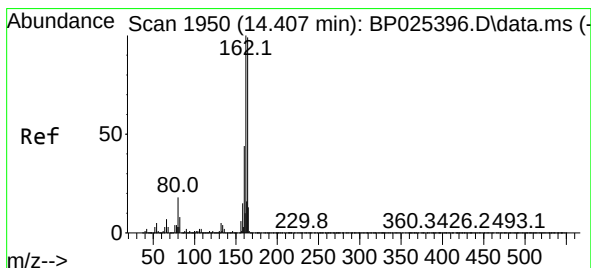
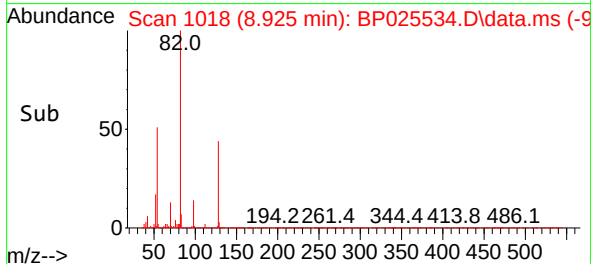
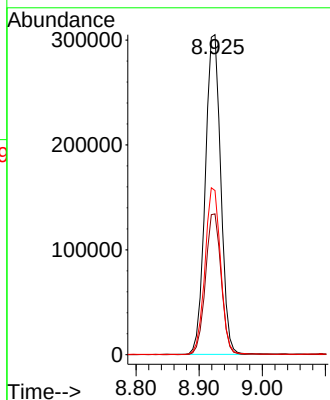
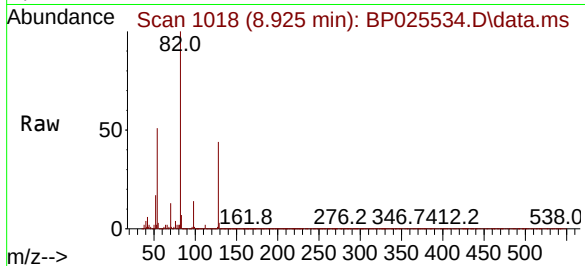




#23
 Nitrobenzene-d5
 Concen: 35.939 ng
 RT: 8.925 min Scan# 1018
 Delta R.T. -0.012 min
 Lab File: BP025534.D
 Acq: 21 Aug 2025 10:50

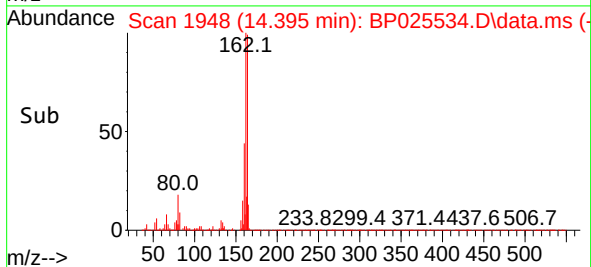
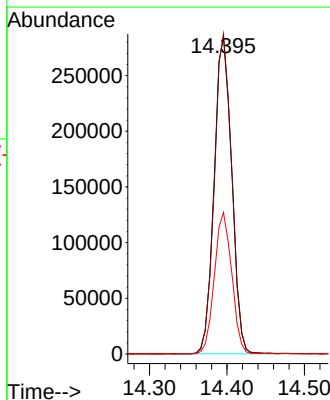
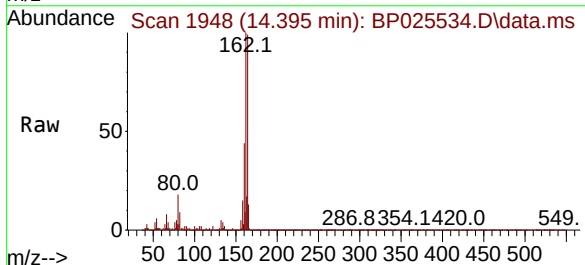
Instrument :
 BNA_P
 ClientSampleId :
 84SB-S

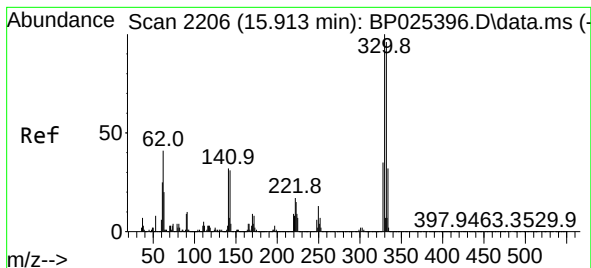
Tgt Ion: 82 Resp: 519692
 Ion Ratio Lower Upper
 82 100
 128 44.0 37.7 56.5
 54 51.3 39.8 59.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.395 min Scan# 1948
 Delta R.T. -0.012 min
 Lab File: BP025534.D
 Acq: 21 Aug 2025 10:50

Tgt Ion: 164 Resp: 448798
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.0 121.6
 160 44.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 51.228 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S

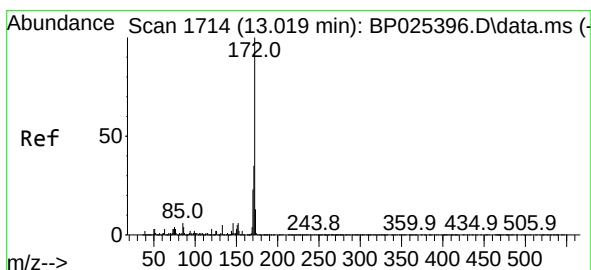
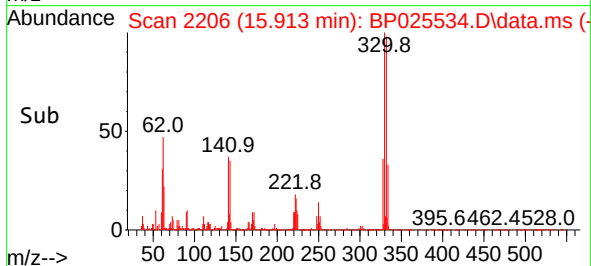
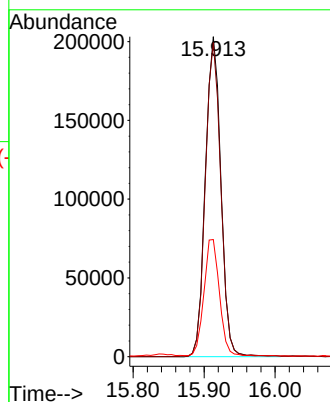
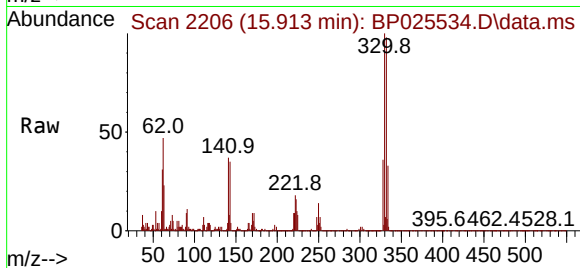
Tgt Ion:330 Resp: 309459

Ion Ratio Lower Upper

330 100

332 97.7 77.3 115.9

141 36.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 34.062 ng

RT: 13.007 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

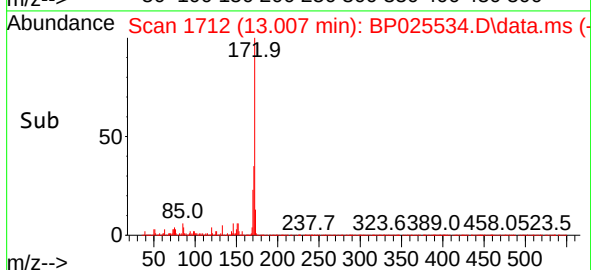
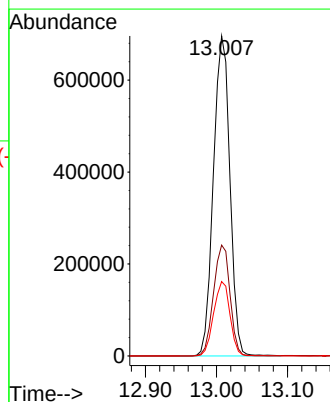
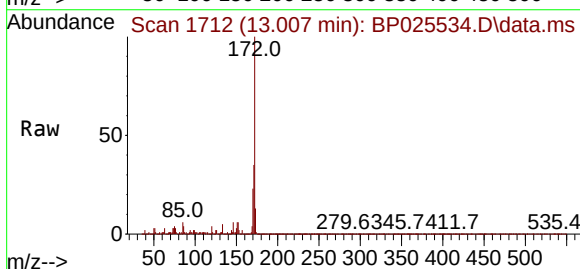
Tgt Ion:172 Resp: 1118551

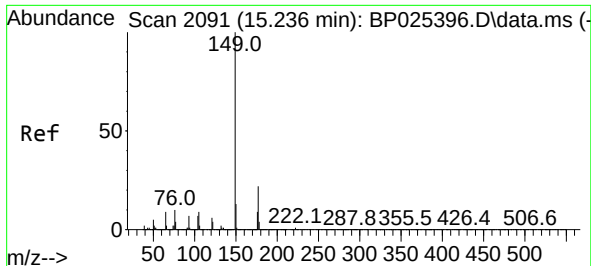
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.2 18.6 28.0

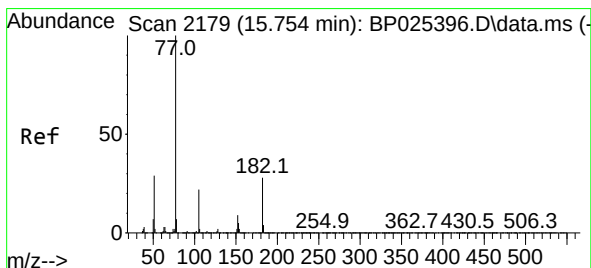
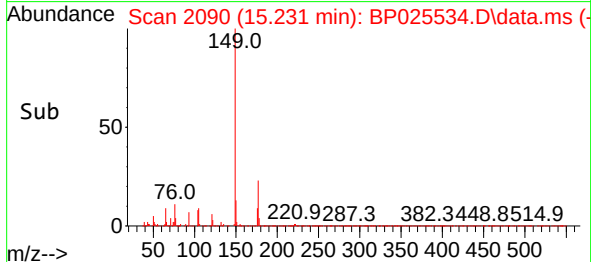
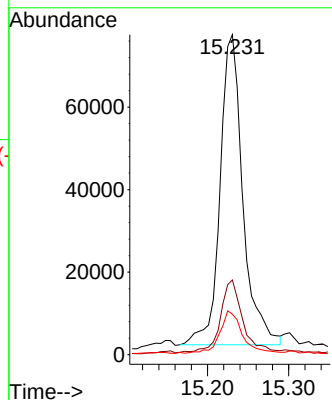
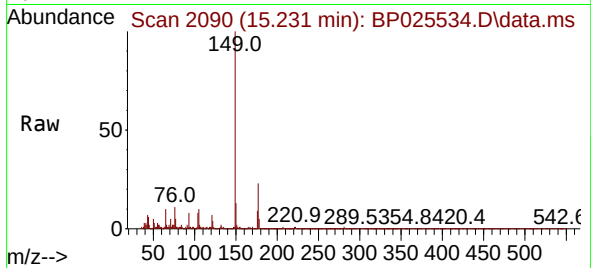




#60
Diethylphthalate
Concen: 4.414 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

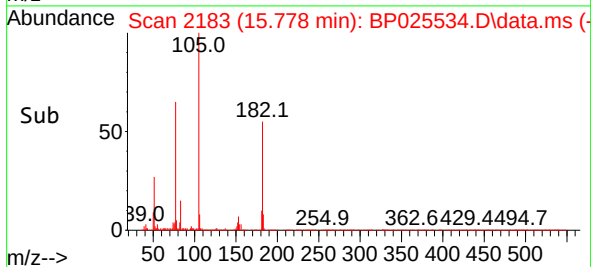
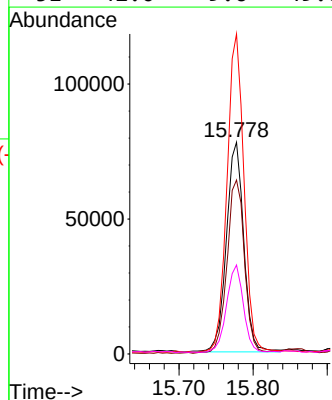
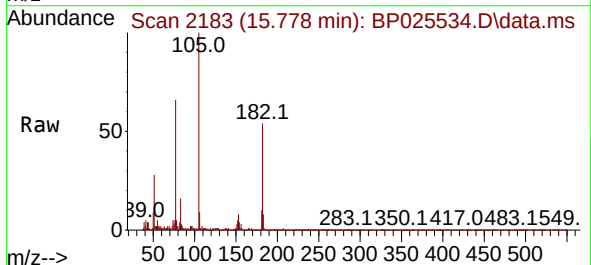
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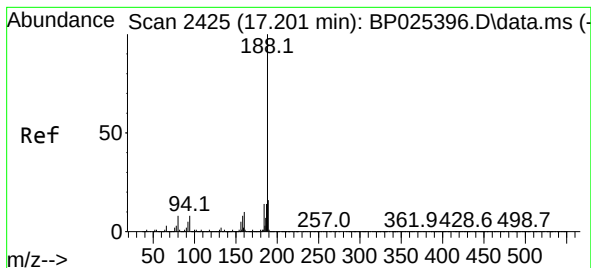
Tgt Ion:149 Resp: 147412
Ion Ratio Lower Upper
149 100
177 23.4 17.3 25.9
150 12.7 10.3 15.5



#63
Azobenzene
Concen: 4.421 ng
RT: 15.778 min Scan# 2183
Delta R.T. 0.024 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

Tgt Ion: 77 Resp: 126416
Ion Ratio Lower Upper
77 100
182 82.1 7.5 47.5#
105 151.1 2.1 42.1#
51 42.0 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: BP025534.D

Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S

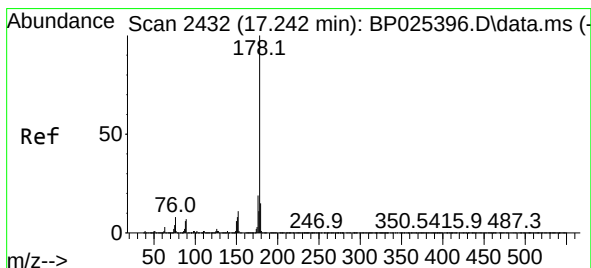
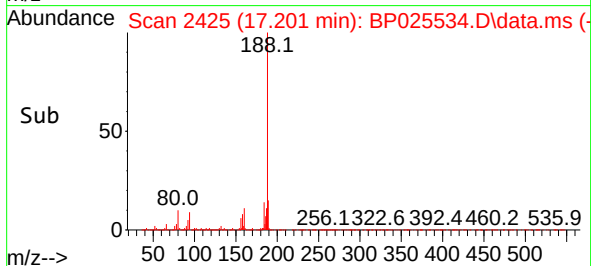
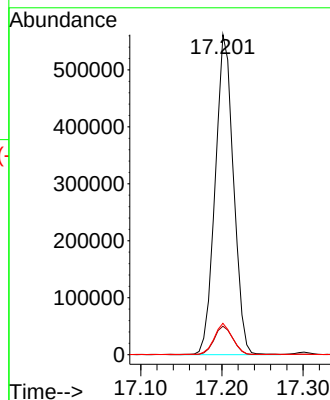
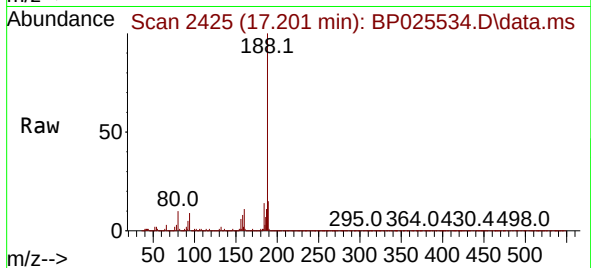
Tgt Ion:188 Resp: 879089

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.8 6.7 10.1



#71

Phenanthrene

Concen: 2.027 ng

RT: 17.248 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

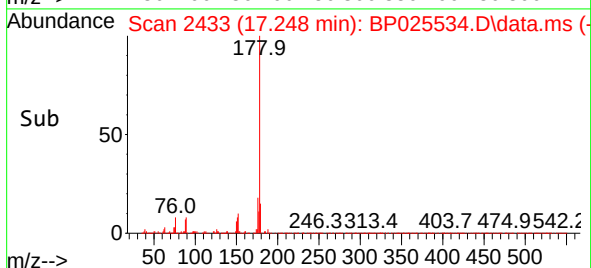
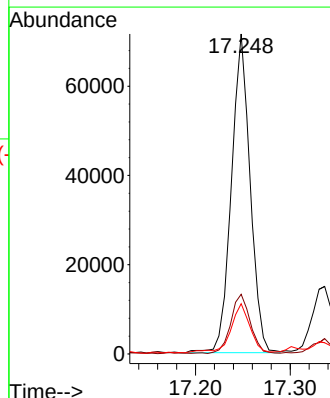
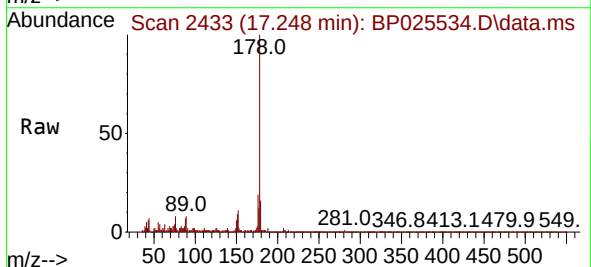
Tgt Ion:178 Resp: 97907

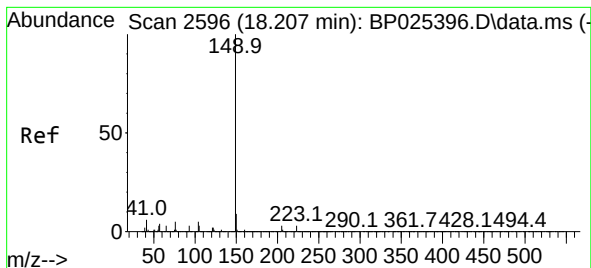
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.7 12.2 18.4





#74

Di-n-butylphthalate

Concen: 2.656 ng

RT: 18.207 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S

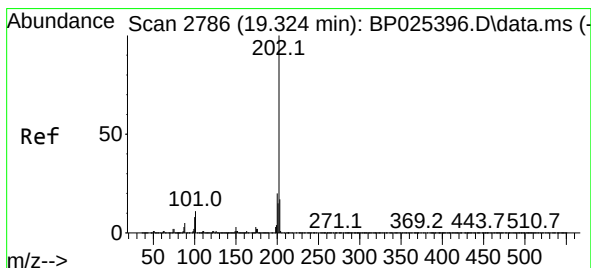
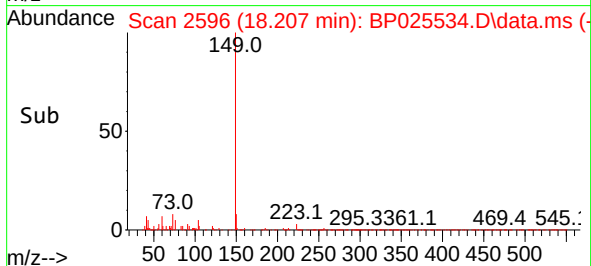
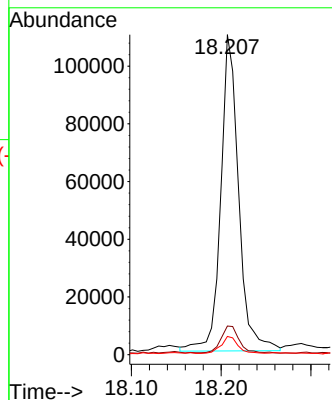
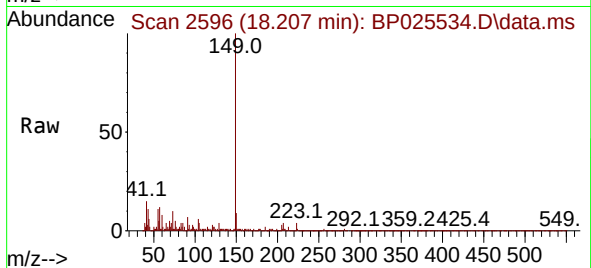
Tgt Ion:149 Resp: 151766

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 5.7 4.2 6.2



#75

Fluoranthene

Concen: 4.578 ng

RT: 19.330 min Scan# 2787

Delta R.T. 0.006 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

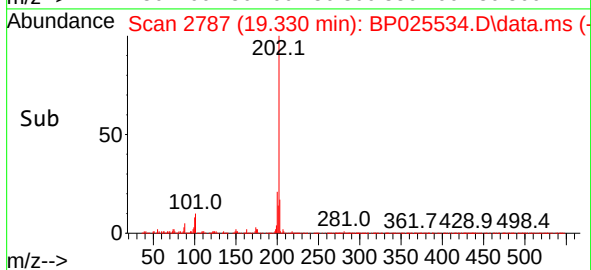
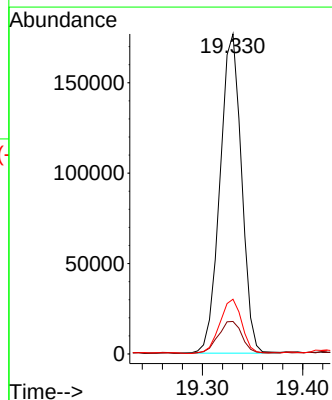
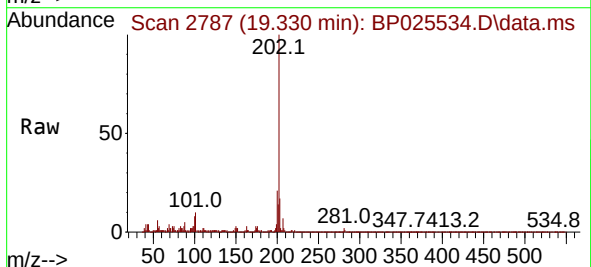
Tgt Ion:202 Resp: 263702

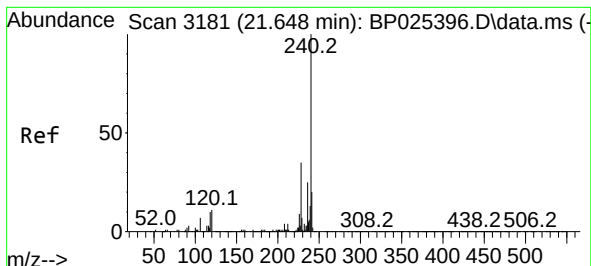
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S

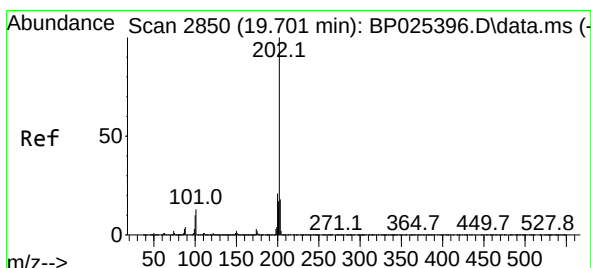
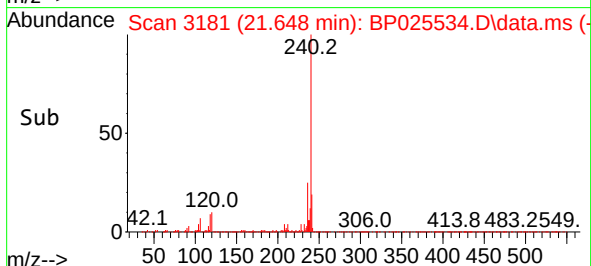
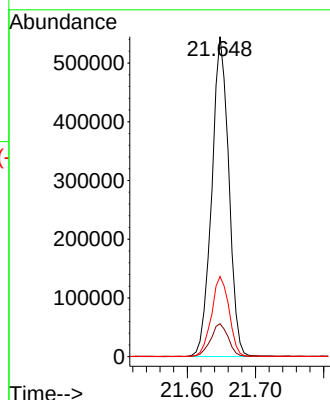
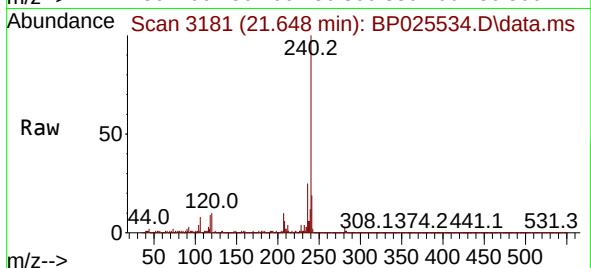
Tgt Ion:240 Resp: 947974

Ion Ratio Lower Upper

240 100

120 10.3 8.9 13.3

236 25.0 19.8 29.8



#78

Pyrene

Concen: 4.091 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

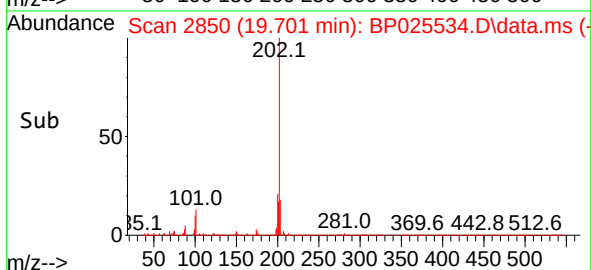
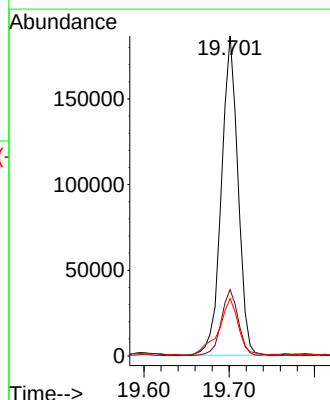
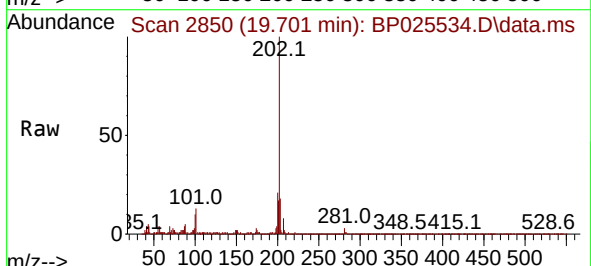
Tgt Ion:202 Resp: 252098

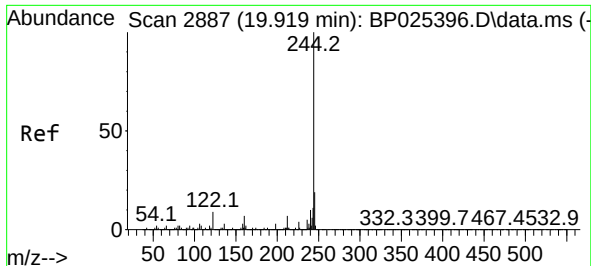
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 18.0 14.2 21.2

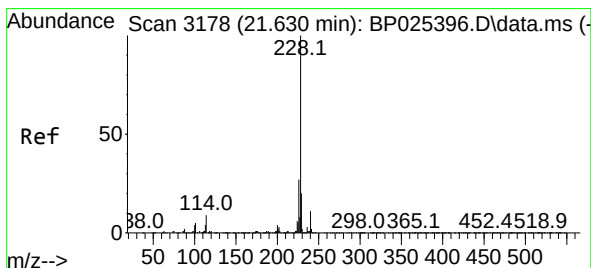
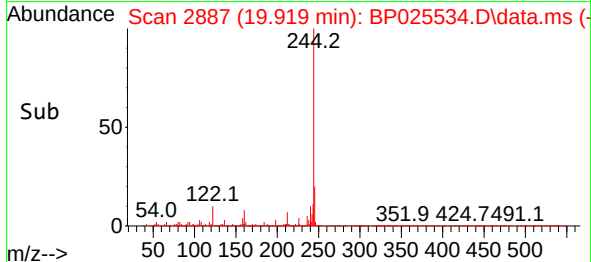
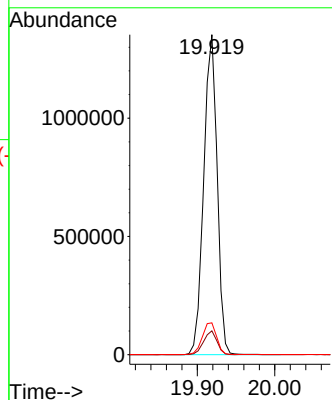
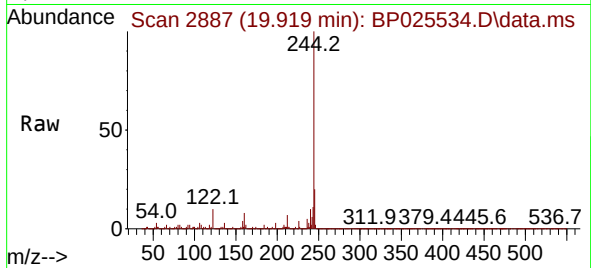




#79
 Terphenyl-d14
 Concen: 31.402 ng
 RT: 19.919 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025534.D
 Acq: 21 Aug 2025 10:50

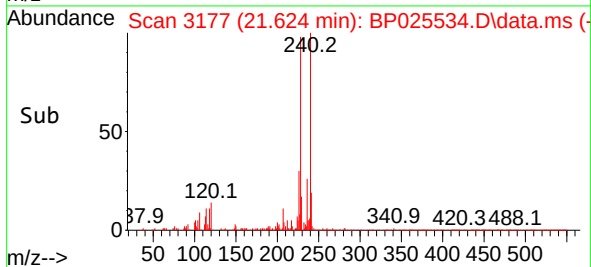
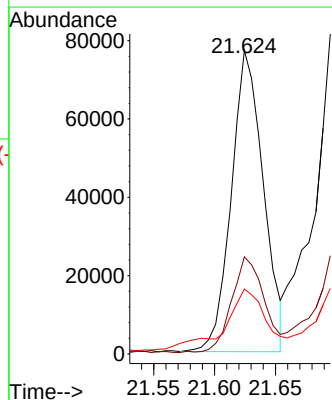
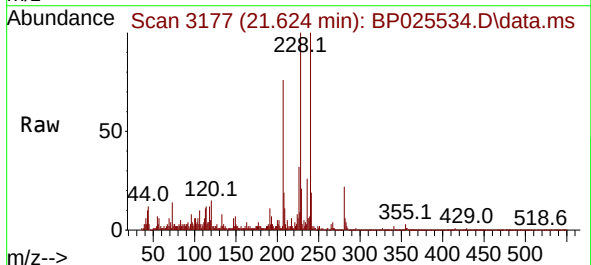
Instrument :
 BNA_P
 ClientSampleId :
 84SB-S

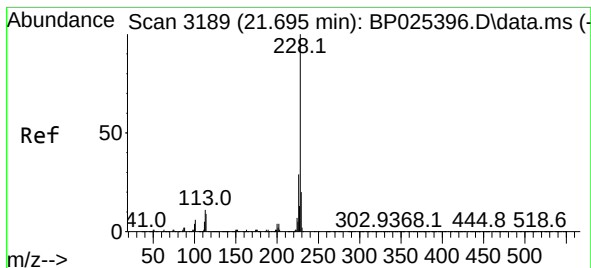
Tgt Ion:244 Resp: 1627060
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.9 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 2.253 ng
 RT: 21.624 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: BP025534.D
 Acq: 21 Aug 2025 10:50

Tgt Ion:228 Resp: 140854
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.7 32.5
 229 21.4 15.6 23.4





#83

Chrysene

Concen: 2.879 ng

RT: 21.701 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S

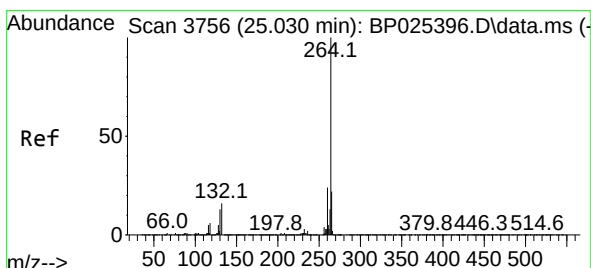
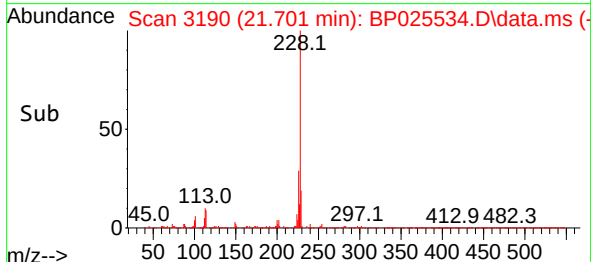
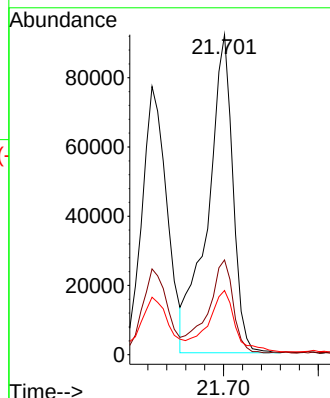
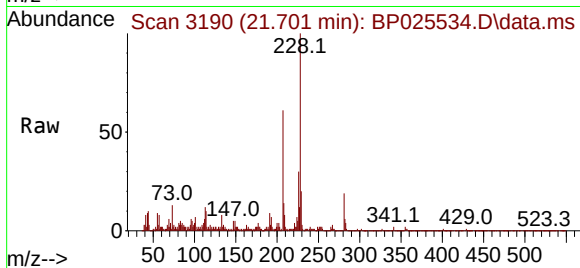
Tgt Ion:228 Resp: 168589

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 20.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.012 min Scan# 3753

Delta R.T. -0.018 min

Lab File: BP025534.D

Acq: 21 Aug 2025 10:50

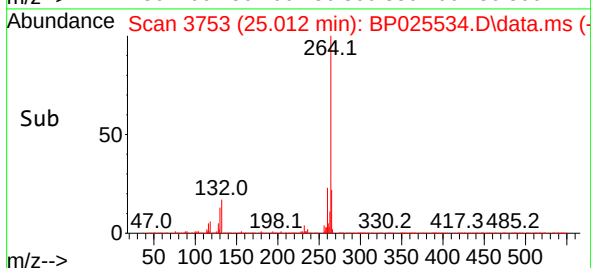
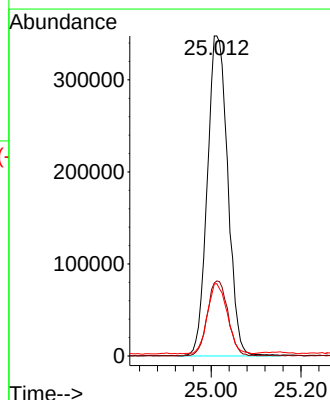
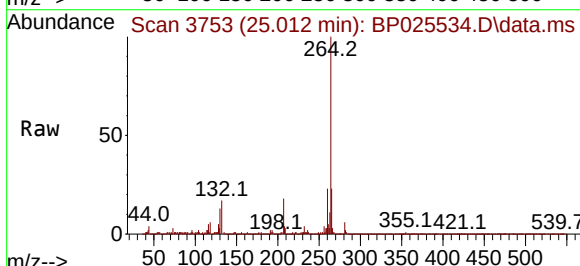
Tgt Ion:264 Resp: 1103815

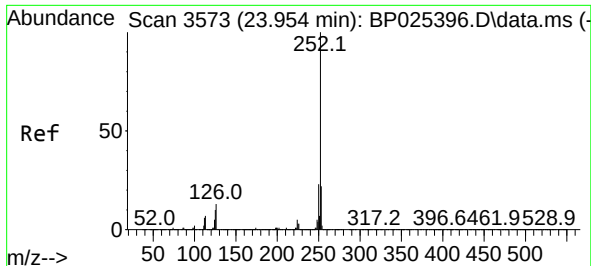
Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 22.6 17.4 26.0

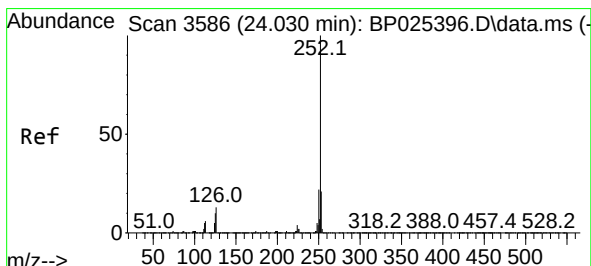
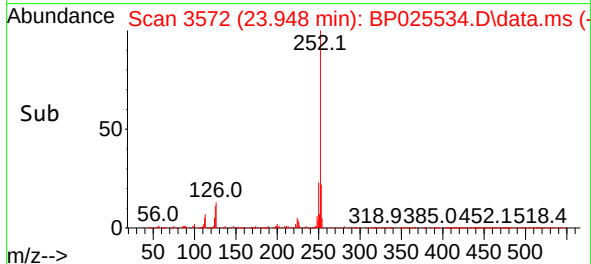
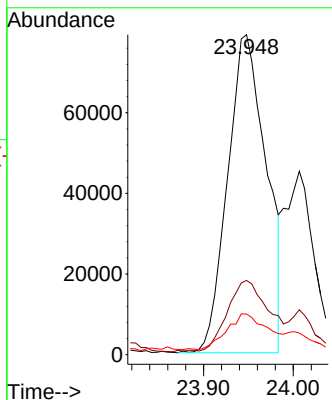
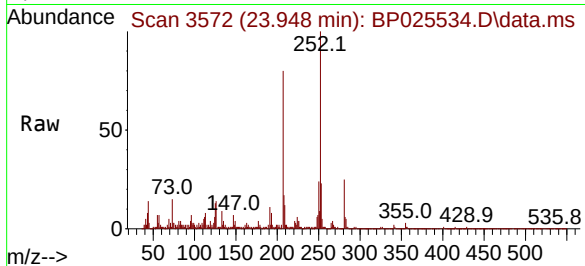




#88
Benzo(b)fluoranthene
Concen: 3.617 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

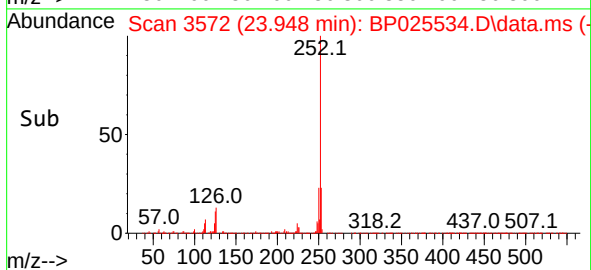
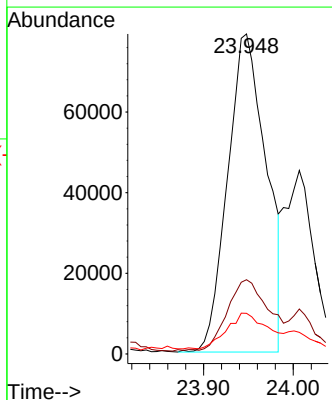
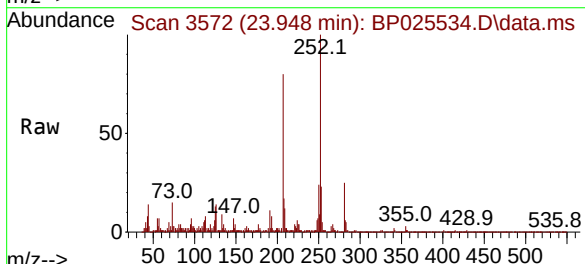
Instrument :
BNA_P
ClientSampleId :
84SB-S

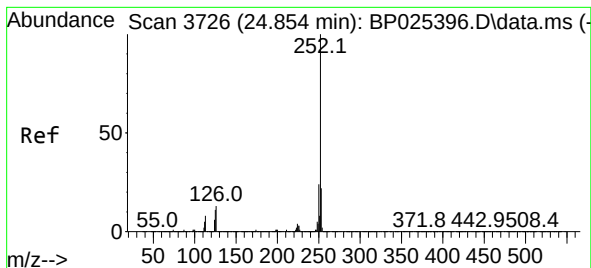
Tgt Ion:252 Resp: 235399
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 12.7 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 3.614 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.082 min
Lab File: BP025534.D
Acq: 21 Aug 2025 10:50

Tgt Ion:252 Resp: 235399
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 12.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.449 ng

RT: 24.842 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025534.D

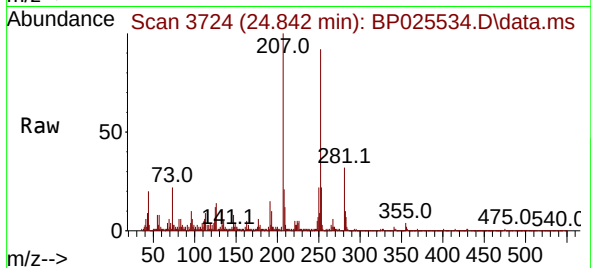
Acq: 21 Aug 2025 10:50

Instrument :

BNA_P

ClientSampleId :

84SB-S



Tgt Ion:252 Resp: 155158

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 13.3 8.7 13.1#

