

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025853.D
 Acq On : 24 Sep 2025 20:13
 Operator : CG/JU
 Sample : Q3168-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 00:40:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

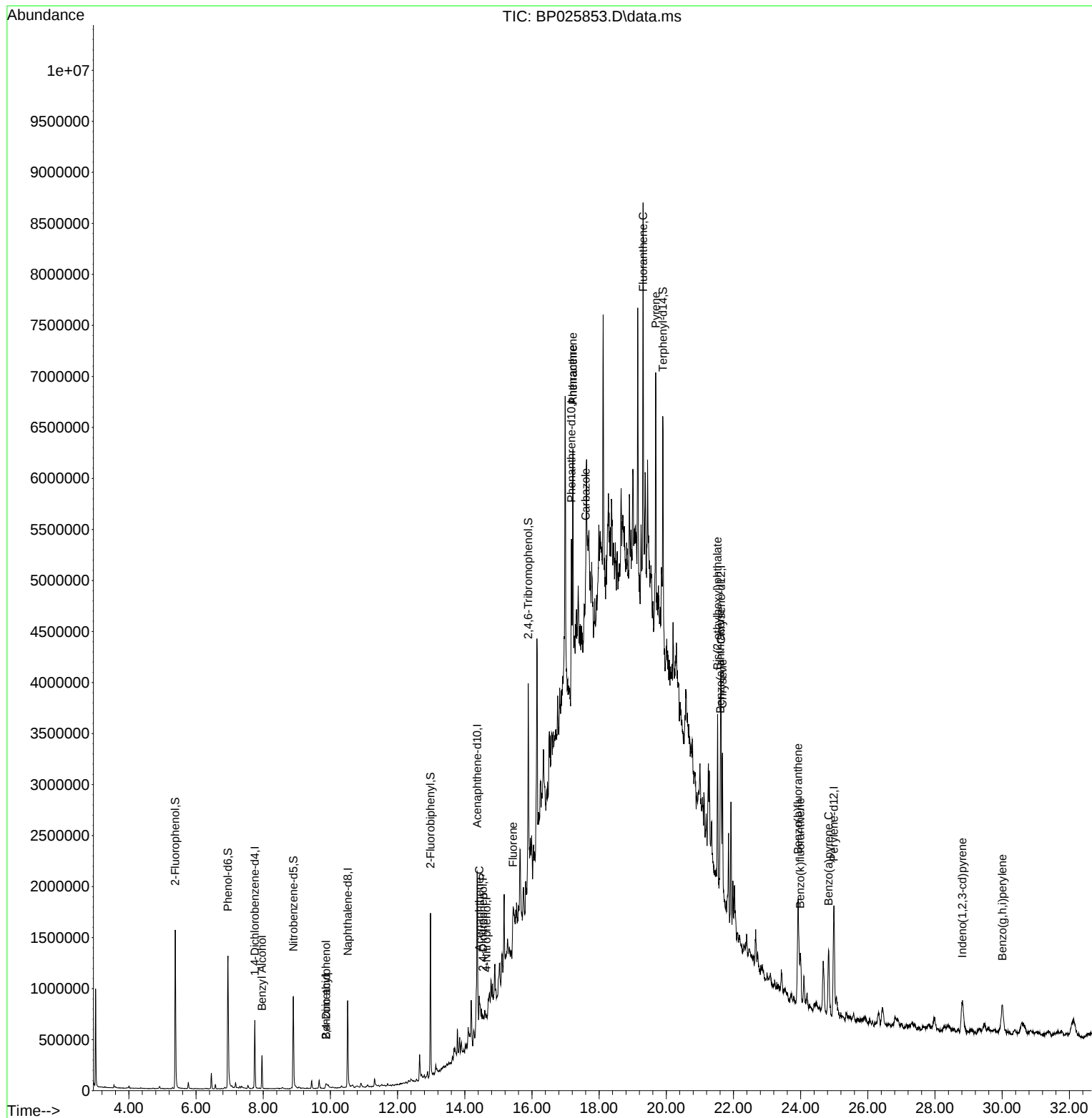
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	186470	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	761439	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	537371	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	976643	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1032484	20.000	ng	-0.01
86) Perylene-d12	24.989	264	1189012	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	762168	65.951	ng	0.00
7) Phenol-d6	6.949	99	942635	61.367	ng	0.00
23) Nitrobenzene-d5	8.896	82	595804	34.516	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	397191	59.259	ng	-0.02
45) 2-Fluorobiphenyl	12.978	172	856964	21.234	ng	-0.01
79) Terphenyl-d14	19.895	244	1130675	19.701	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.960	79	28377	2.236	ng	# 60
27) 2,4-Dimethylphenol	9.866	122	34410	2.853	ng	# 3
32) Benzoic acid	9.866	122	35664	3.977	ng	96
52) Acenaphthene	14.431	154	72850	2.455	ng	93
54) 2,4-Dinitrophenol	14.542	184	66	4.835	ng	# 1
56) 4-Nitrophenol	14.648	139	1117	4.616	ng	# 1
58) Fluorene	15.436	166	95723	2.489	ng	# 94
71) Phenanthrene	17.219	178	1504917	27.164	ng	98
72) Anthracene	17.219	178	1504917	26.772	ng	97
73) Carbazole	17.601	167	135906	2.601	ng	# 66
75) Fluoranthene	19.307	202	2240922	33.727	ng	99
78) Pyrene	19.683	202	1821928	26.446	ng	98
81) Benzo(a)anthracene	21.607	228	811511	11.481	ng	99
83) Chrysene	21.671	228	1027551	15.250	ng	98
84) Bis(2-ethylhexyl)phtha...	21.524	149	755943	17.105	ng	99
87) Indeno(1,2,3-cd)pyrene	28.812	276	542361	6.272	ng	# 82
88) Benzo(b)fluoranthene	23.924	252	1268270	17.443	ng	98
89) Benzo(k)fluoranthene	23.989	252	379635	5.117	ng	95
90) Benzo(a)pyrene	24.830	252	768529	10.793	ng	97
92) Benzo(g,h,i)perylene	30.006	276	524579	7.538	ng	98

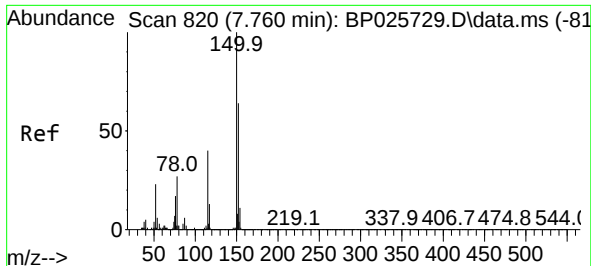
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
Data File : BP025853.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

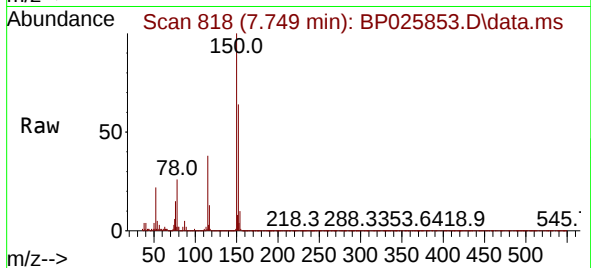
Quant Time: Sep 25 00:40:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
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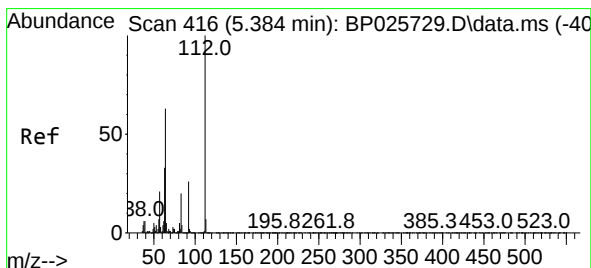
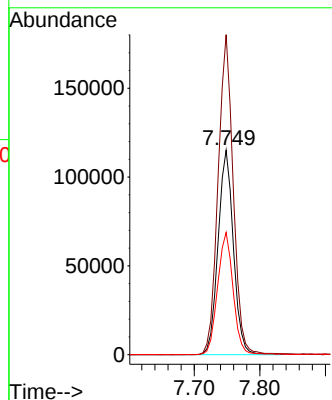
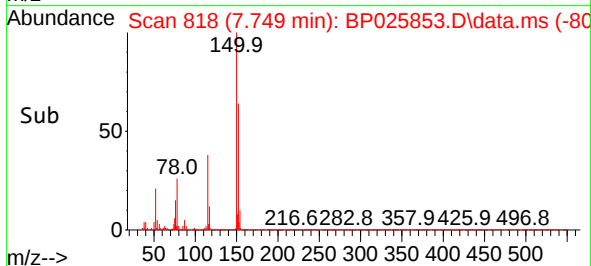


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

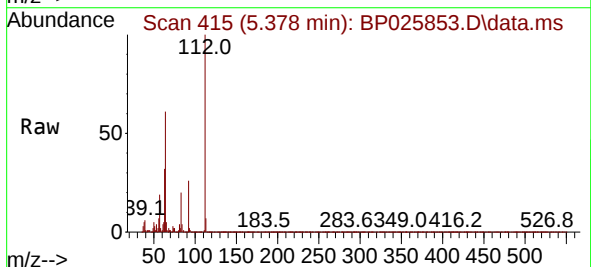
Instrument :
BNA_P
ClientSampleId :



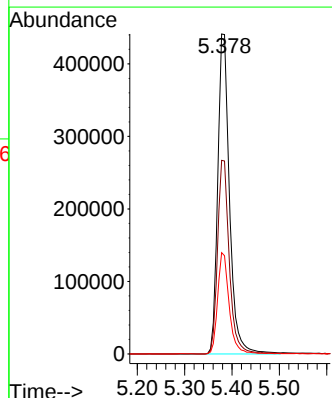
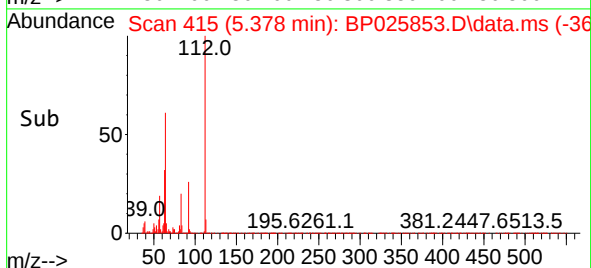
Tgt Ion:152 Resp: 186470
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 59.8 50.3 75.5

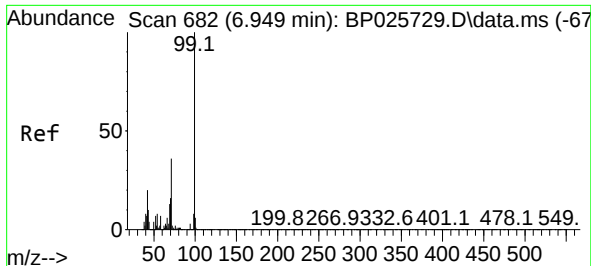


#5
2-Fluorophenol
Concen: 65.951 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13



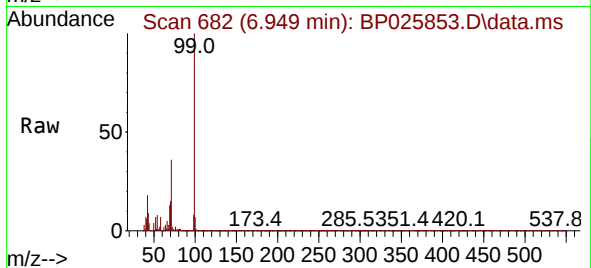
Tgt Ion:112 Resp: 762168
Ion Ratio Lower Upper
112 100
64 60.5 50.2 75.4
63 31.6 26.7 40.1



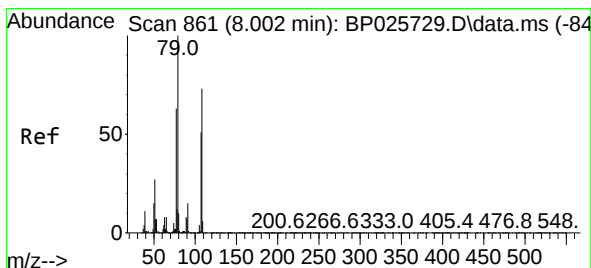
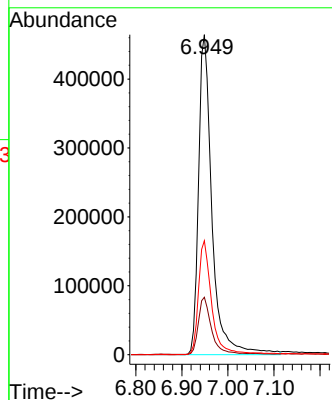
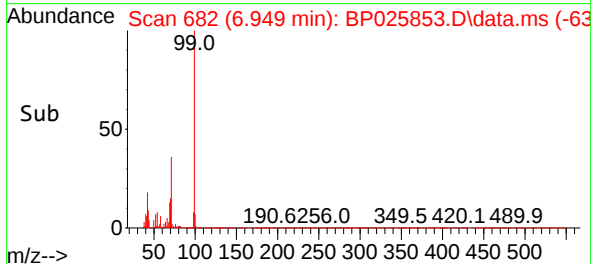


#7
Phenol-d6
Concen: 61.367 ng
RT: 6.949 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

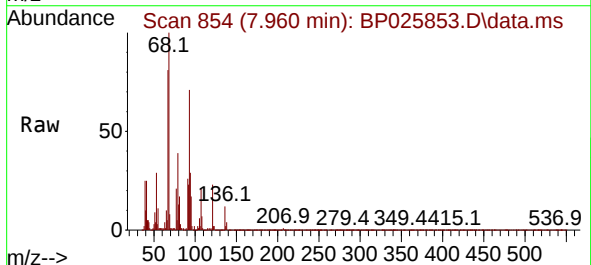
Instrument :
BNA_P
ClientSampleId :



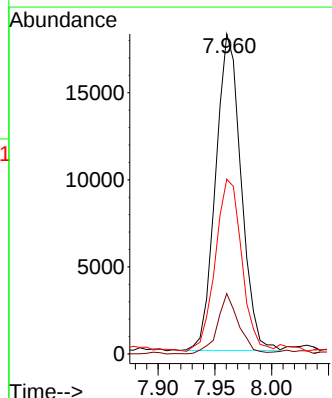
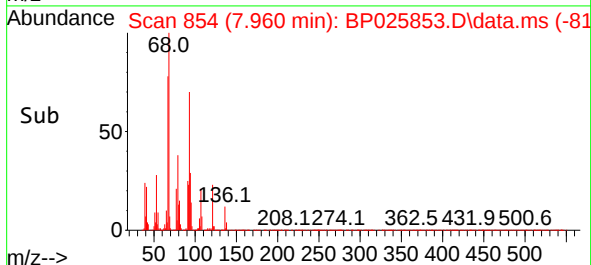
Tgt Ion: 99 Resp: 942635
Ion Ratio Lower Upper
99 100
42 17.9 15.6 23.4
71 35.6 28.6 43.0

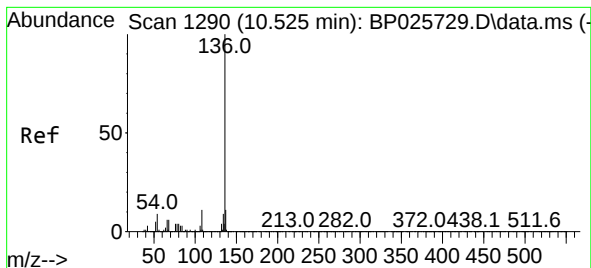


#15
Benzyl Alcohol
Concen: 2.236 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.041 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13



Tgt Ion: 79 Resp: 28377
Ion Ratio Lower Upper
79 100
108 18.8 58.7 88.1#
77 54.6 50.2 75.2

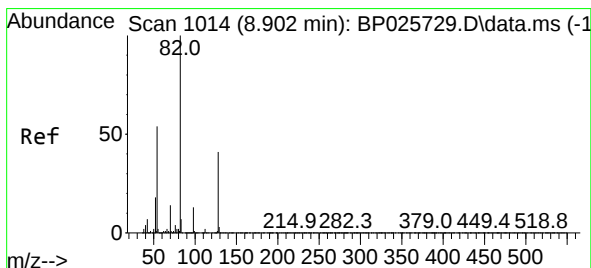
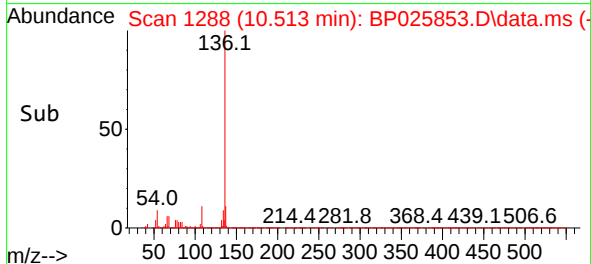
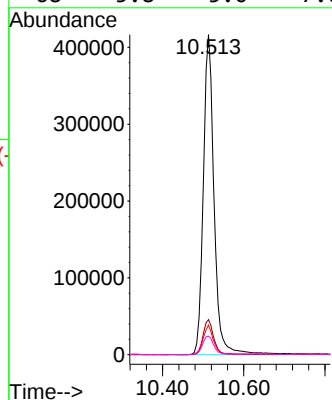
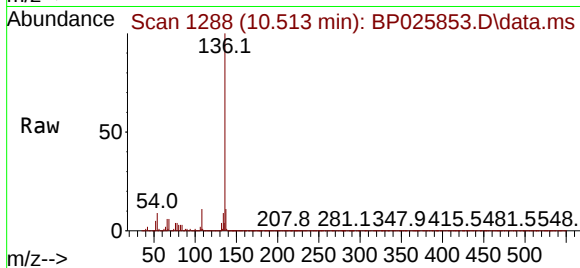




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

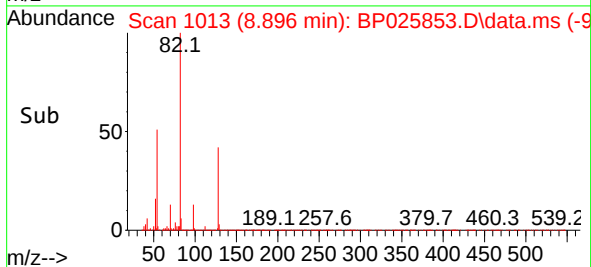
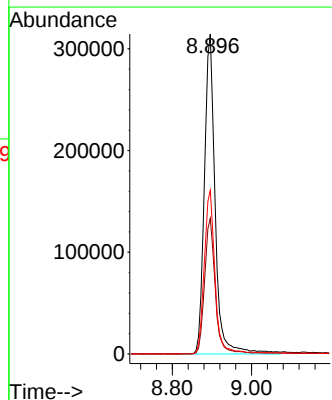
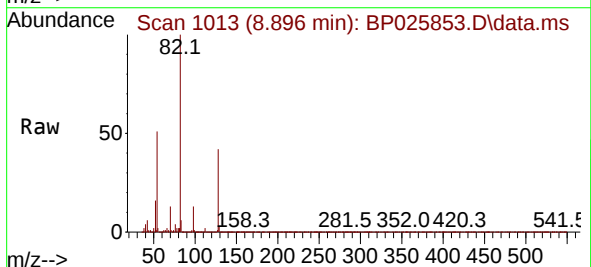
Instrument :
BNA_P
ClientSampleId :

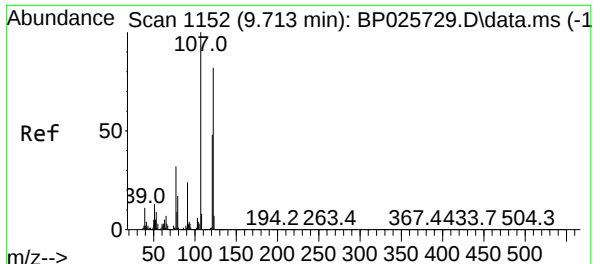
Tgt Ion:136 Resp: 761439
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.3 7.5 11.3
68 5.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 34.516 ng
RT: 8.896 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

Tgt Ion: 82 Resp: 595804
Ion Ratio Lower Upper
82 100
128 42.4 32.9 49.3
54 51.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 2.853 ng

RT: 9.866 min Scan# 1178

Delta R.T. 0.153 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

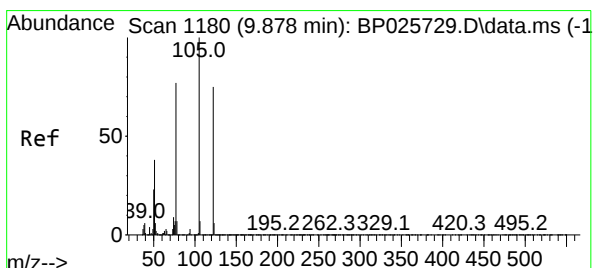
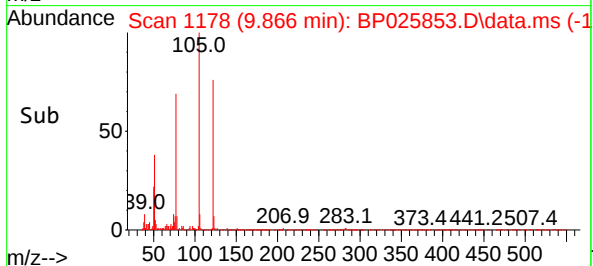
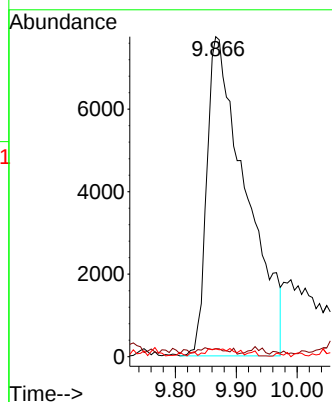
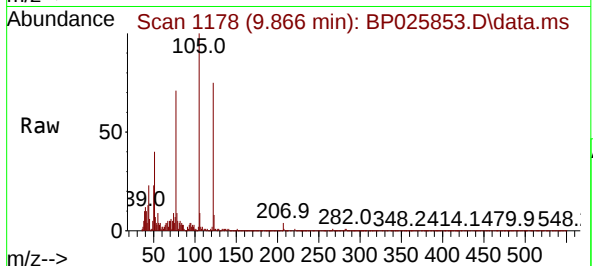
Tgt Ion:122 Resp: 34410

Ion Ratio Lower Upper

122 100

107 2.5 97.9 146.9#

121 2.4 47.4 71.0#



#32

Benzoic acid

Concen: 3.977 ng

RT: 9.866 min Scan# 1178

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

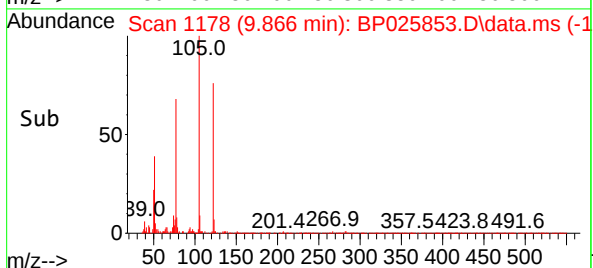
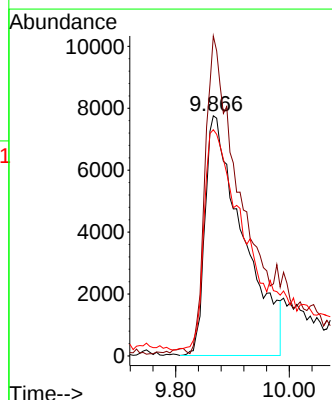
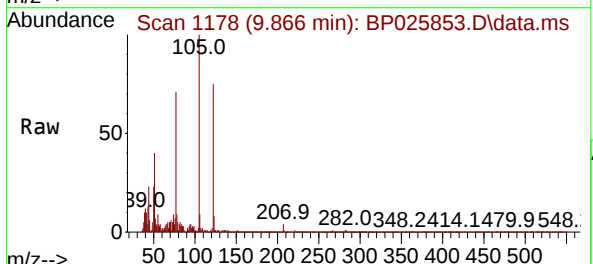
Tgt Ion:122 Resp: 35664

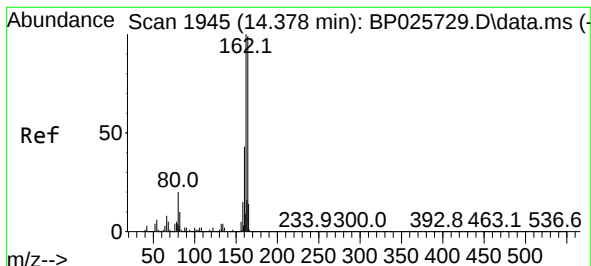
Ion Ratio Lower Upper

122 100

105 133.2 111.5 151.5

77 94.2 81.8 121.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.372 min Scan# 1945

Delta R.T. -0.006 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

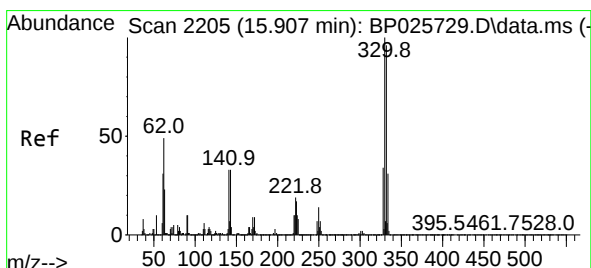
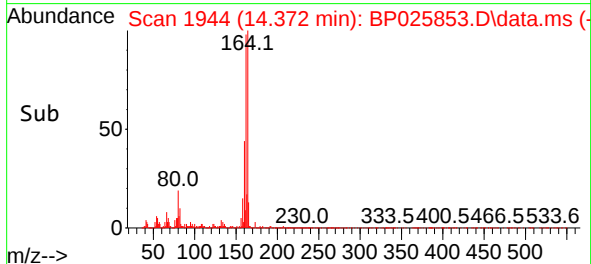
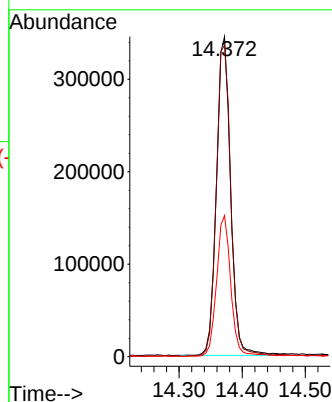
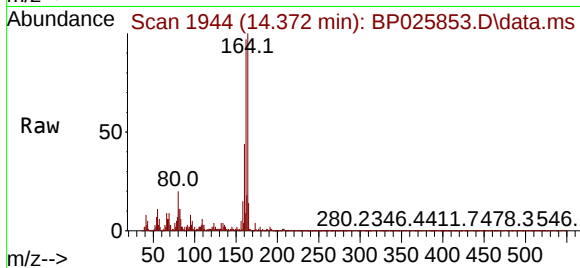
Tgt Ion:164 Resp: 537371

Ion Ratio Lower Upper

164 100

162 97.4 80.6 120.8

160 44.1 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 59.259 ng

RT: 15.889 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

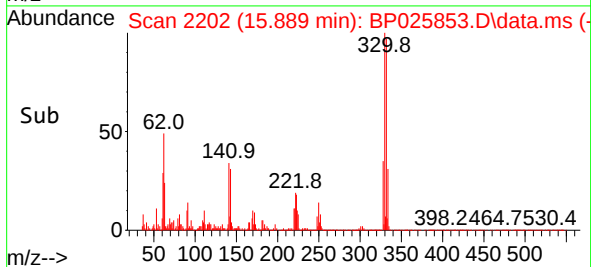
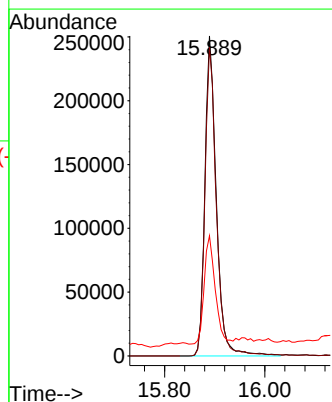
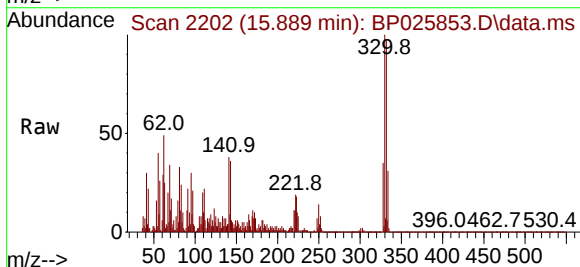
Tgt Ion:330 Resp: 397191

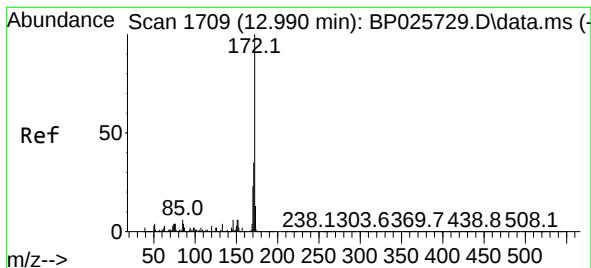
Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 33.0 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 21.234 ng

RT: 12.978 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

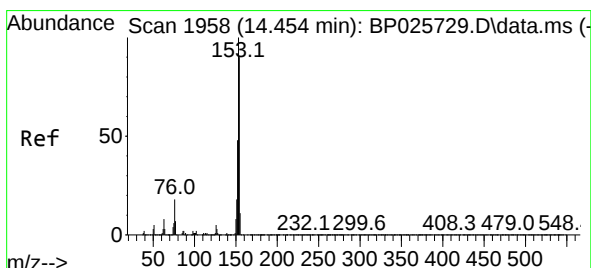
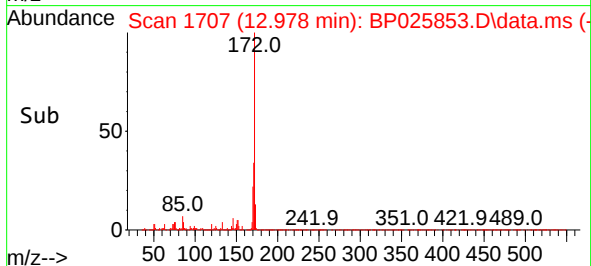
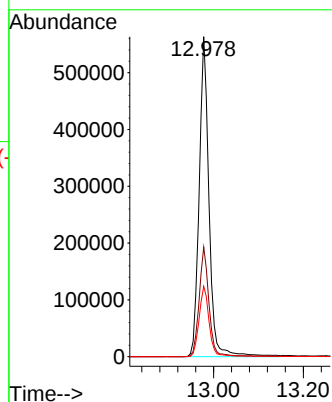
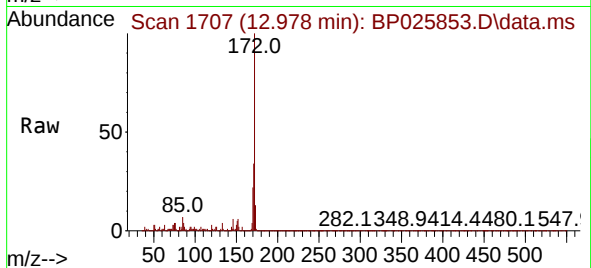
Tgt Ion:172 Resp: 856964

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.6

170 22.0 18.6 27.8



#52

Acenaphthene

Concen: 2.455 ng

RT: 14.431 min Scan# 1954

Delta R.T. -0.024 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

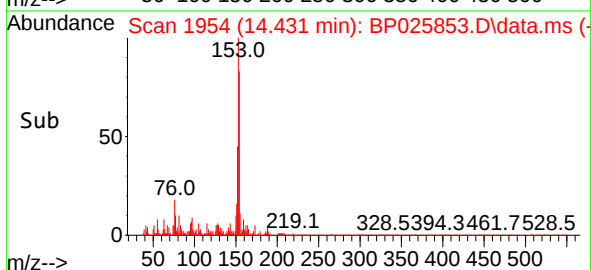
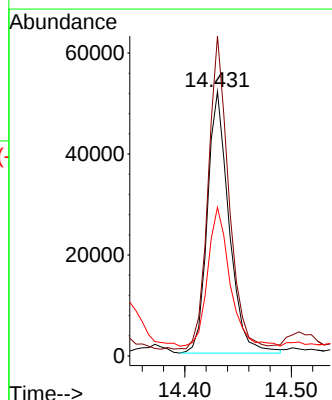
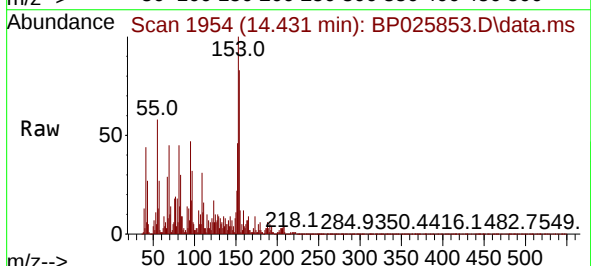
Tgt Ion:154 Resp: 72850

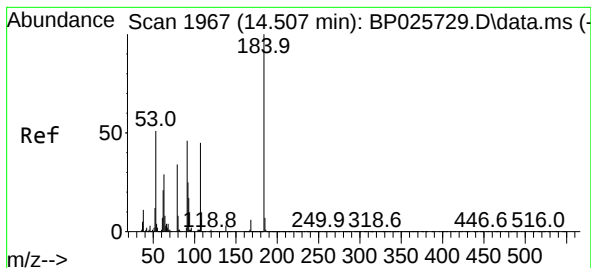
Ion Ratio Lower Upper

154 100

153 121.1 89.4 134.0

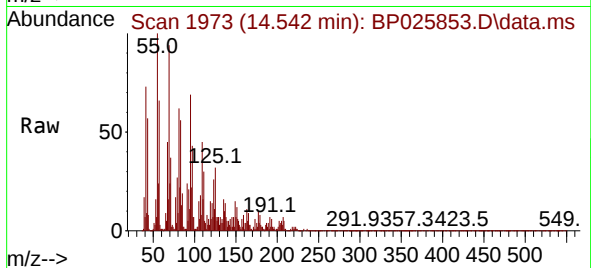
152 56.2 42.5 63.7



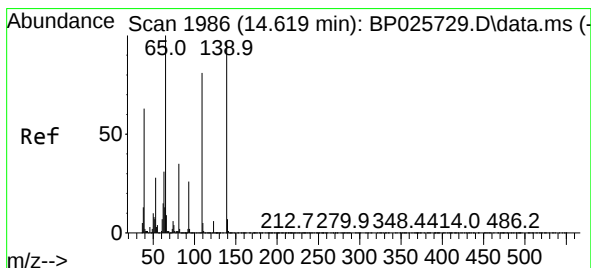
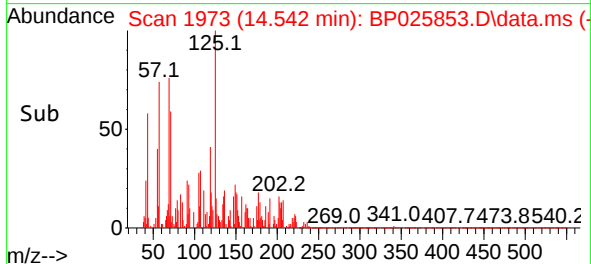
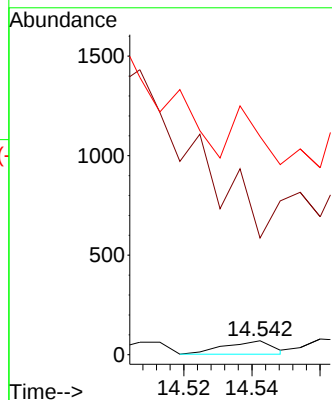


#54
2,4-Dinitrophenol
Concen: 4.835 ng
RT: 14.542 min Scan# 1991
Delta R.T. 0.035 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

Instrument :
BNA_P
ClientSampleId :

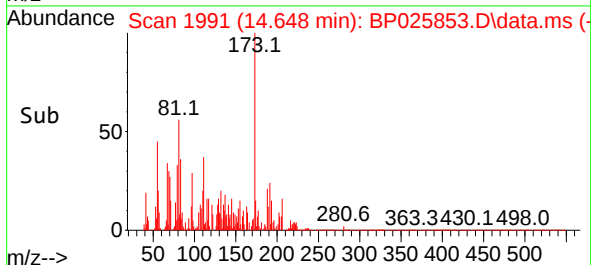
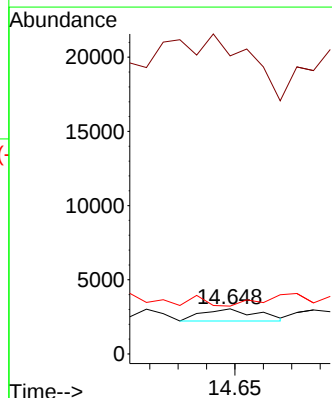
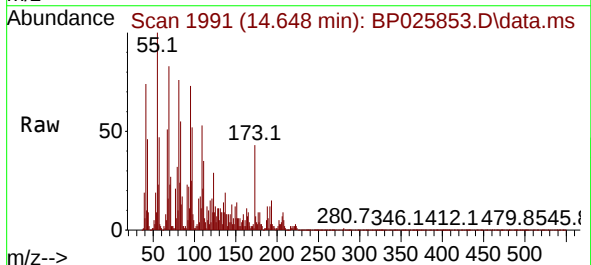


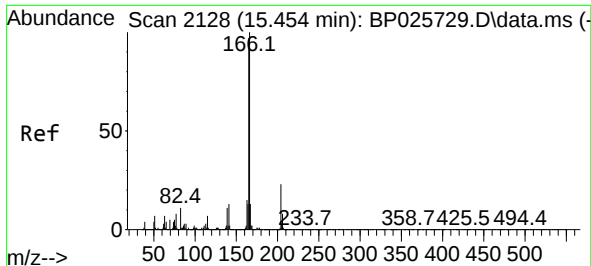
Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 837.1 52.5 78.7#
154 1567.1 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.616 ng
RT: 14.648 min Scan# 1991
Delta R.T. 0.029 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

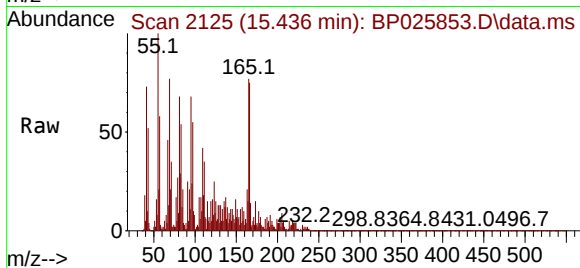
Tgt Ion:139 Resp: 1117
Ion Ratio Lower Upper
139 100
109 660.6 62.9 102.9#
65 105.9 83.4 123.4



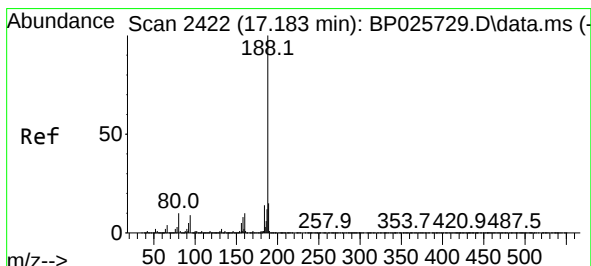
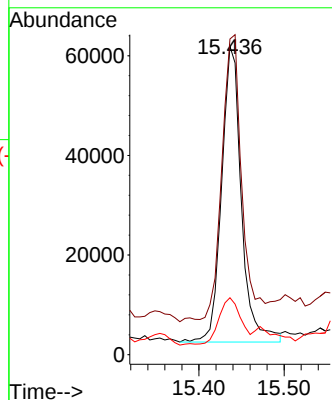
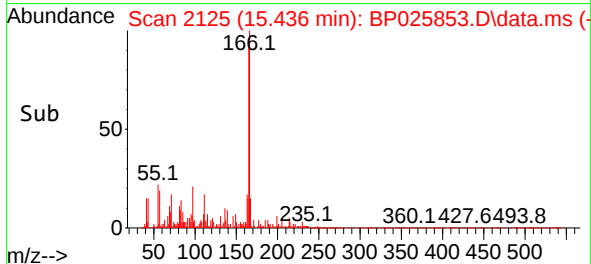


#58
Fluorene
Concen: 2.489 ng
RT: 15.436 min Scan# 2128
Delta R.T. -0.018 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

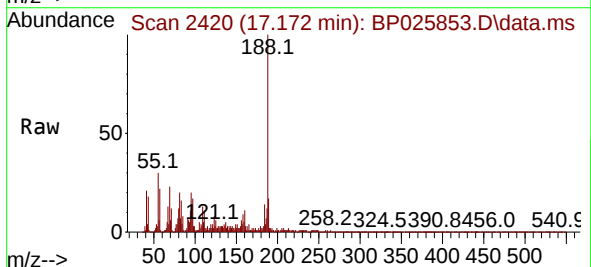
Instrument :
BNA_P
ClientSampleId :



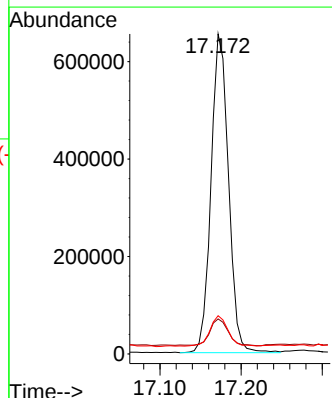
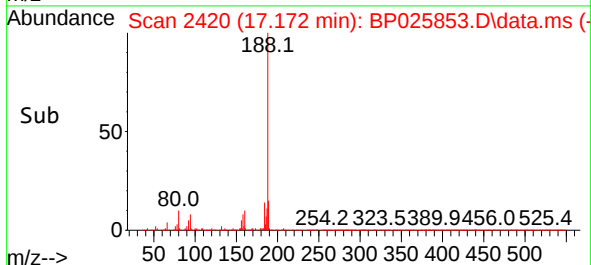
Tgt Ion:166 Resp: 95723
Ion Ratio Lower Upper
166 100
165 102.4 77.7 116.5
167 18.5 10.6 16.0#

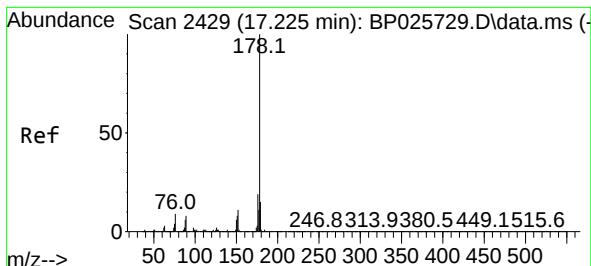


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13



Tgt Ion:188 Resp: 976643
Ion Ratio Lower Upper
188 100
94 11.0 7.4 11.0
80 12.0 7.7 11.5#





#71

Phenanthrene

Concen: 27.164 ng

RT: 17.219 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

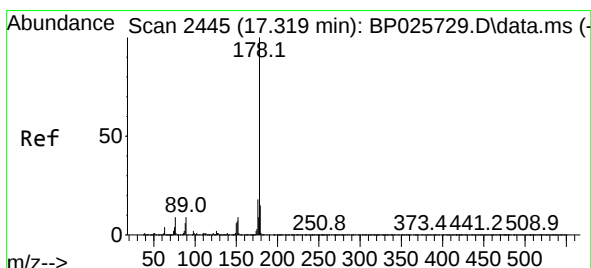
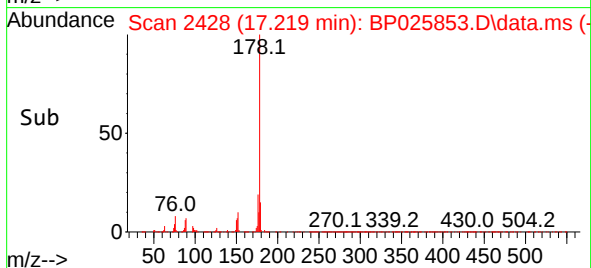
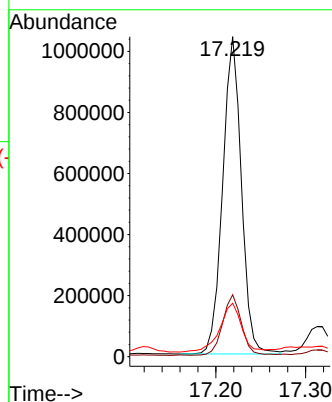
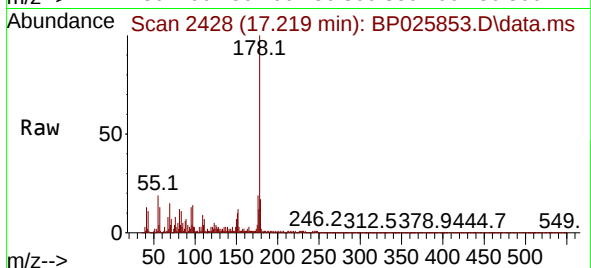
Tgt Ion:178 Resp: 1504917

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 16.7 12.2 18.4



#72

Anthracene

Concen: 26.772 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.100 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

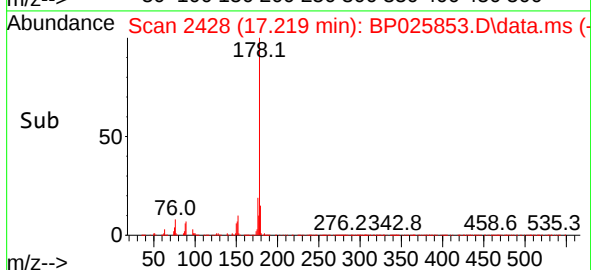
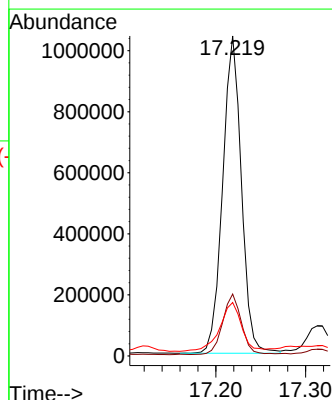
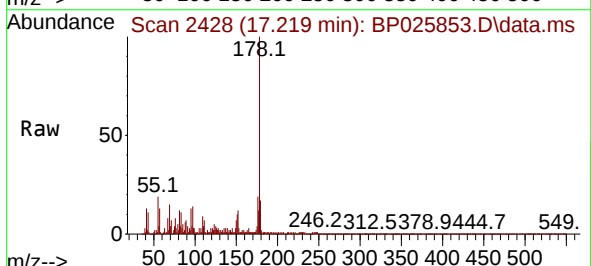
Tgt Ion:178 Resp: 1504917

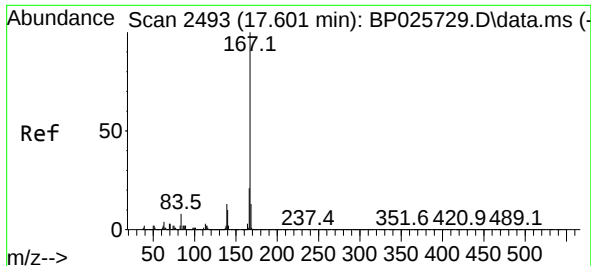
Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

179 16.7 12.2 18.4

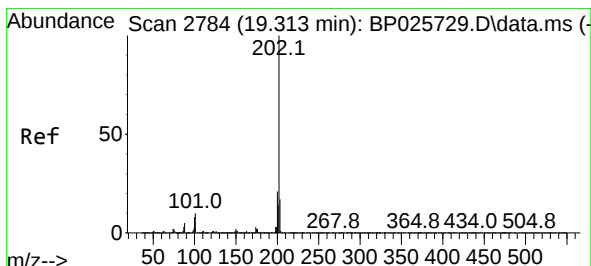
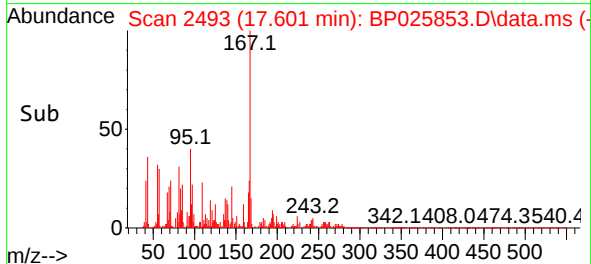
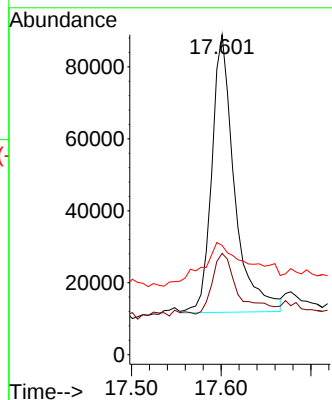
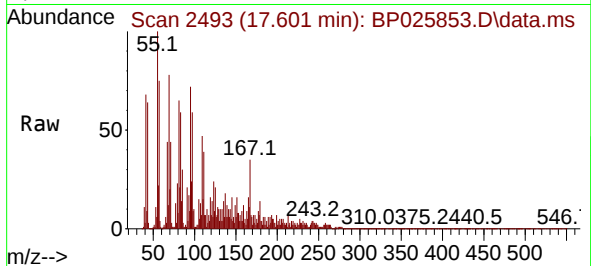




#73
 Carbazole
 Concen: 2.601 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP025853.D
 Acq: 24 Sep 2025 20:13

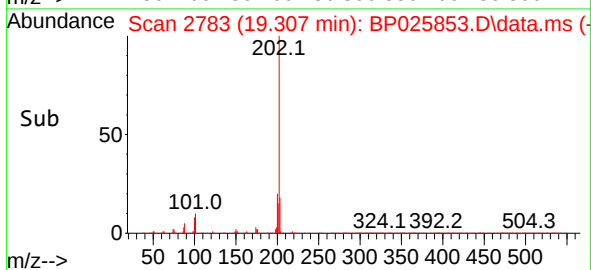
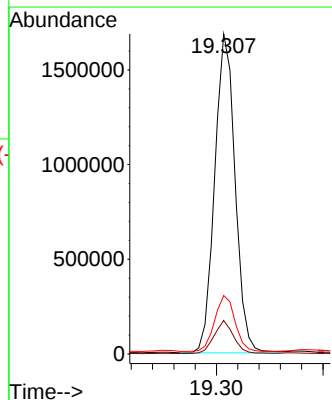
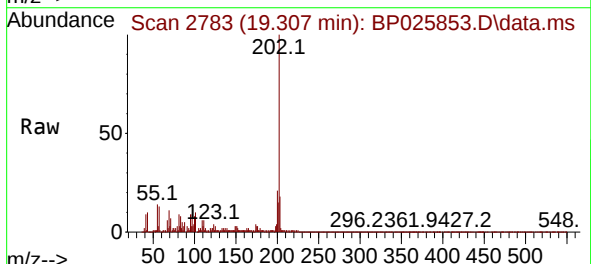
Instrument :
 BNA_P
 ClientSampleId :

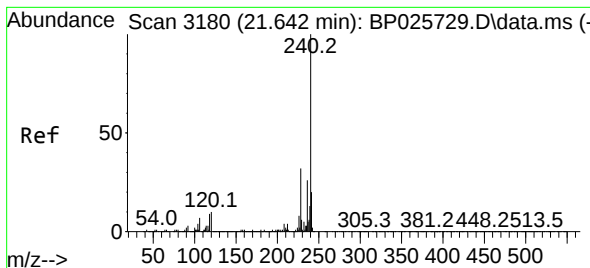
Tgt Ion:167 Resp: 135906
 Ion Ratio Lower Upper
 167 100
 166 31.6 17.0 25.4#
 139 34.2 10.6 16.0#



#75
 Fluoranthene
 Concen: 33.727 ng
 RT: 19.307 min Scan# 2783
 Delta R.T. -0.006 min
 Lab File: BP025853.D
 Acq: 24 Sep 2025 20:13

Tgt Ion:202 Resp: 2240922
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.4
 203 18.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

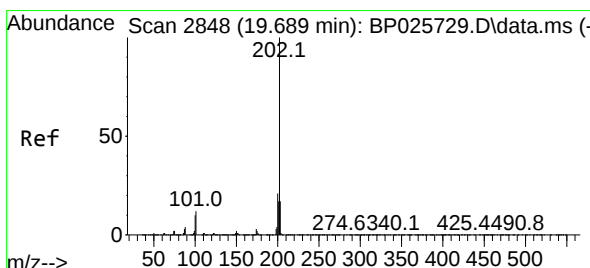
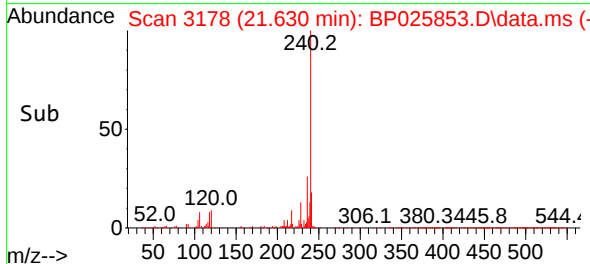
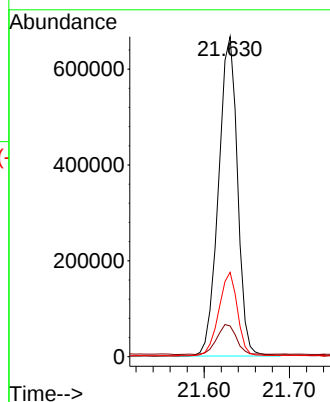
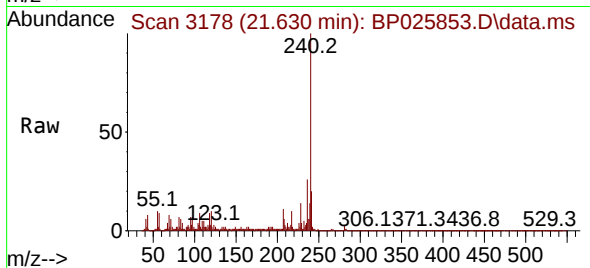
Instrument :

BNA_P

ClientSampleId :

Tgt Ion:240 Resp: 1032484

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	26.3	20.7	31.1



#78

Pyrene

Concen: 26.446 ng

RT: 19.683 min Scan# 2847

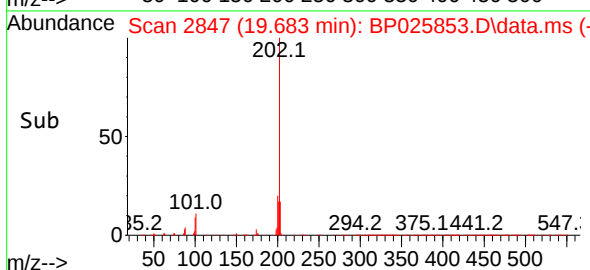
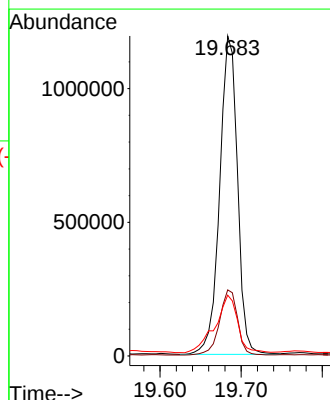
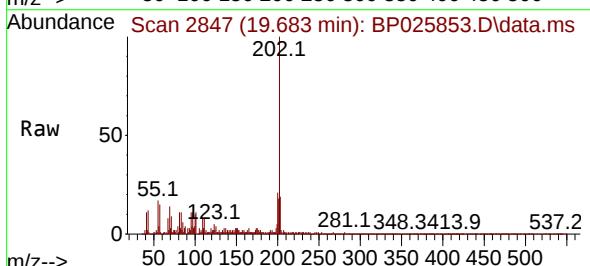
Delta R.T. -0.006 min

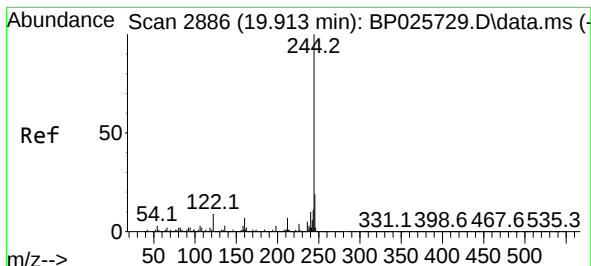
Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Tgt Ion:202 Resp: 1821928

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	19.0	13.9	20.9





#79

Terphenyl-d14

Concen: 19.701 ng

RT: 19.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

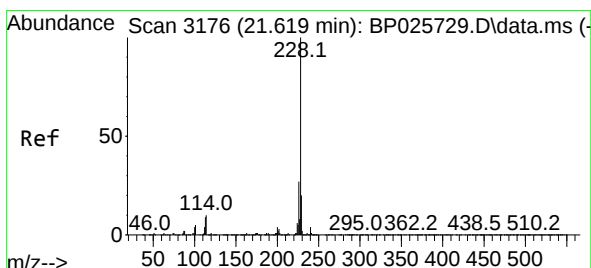
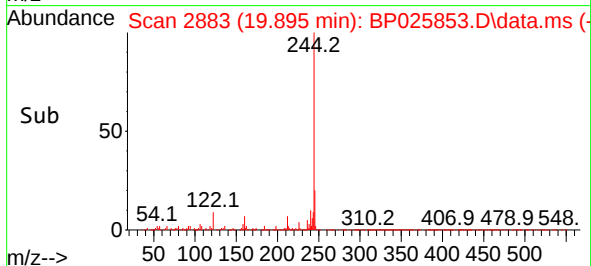
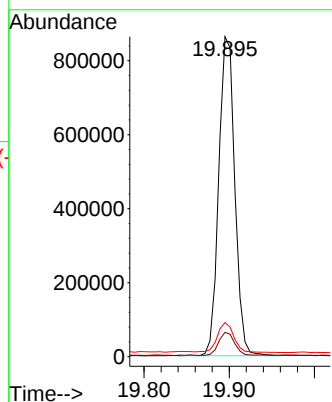
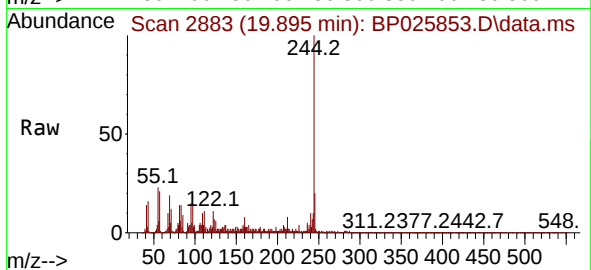
Tgt Ion:244 Resp: 1130675

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 10.6 7.1 10.7



#81

Benzo(a)anthracene

Concen: 11.481 ng

RT: 21.607 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

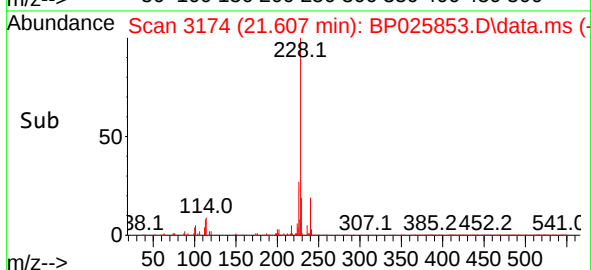
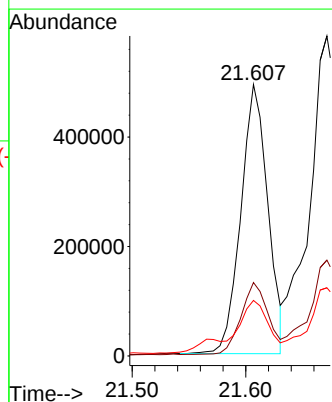
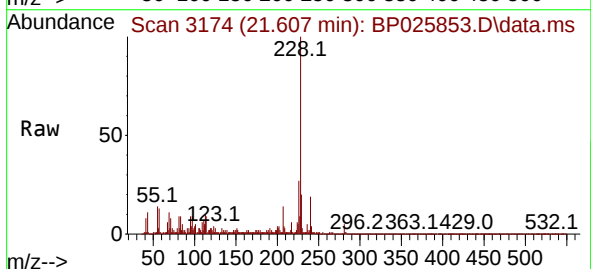
Tgt Ion:228 Resp: 811511

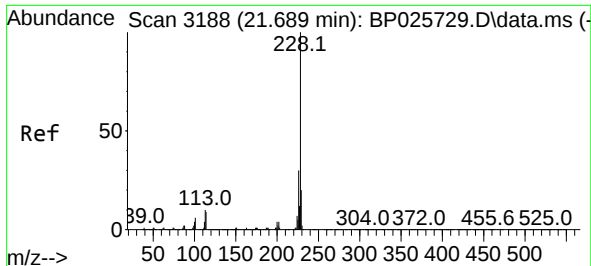
Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

229 20.5 15.7 23.5

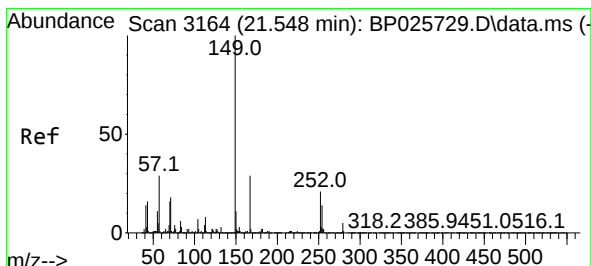
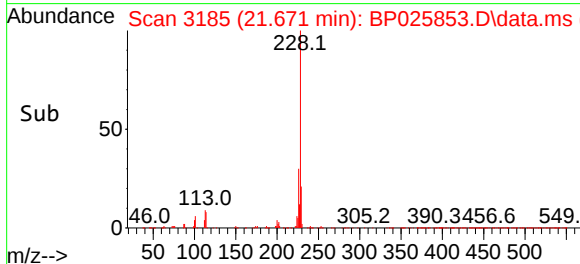
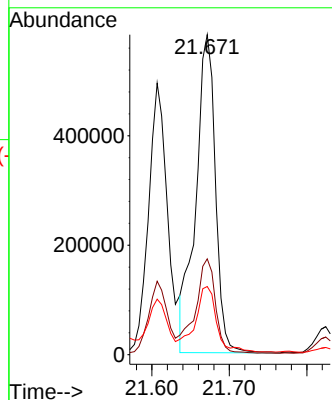
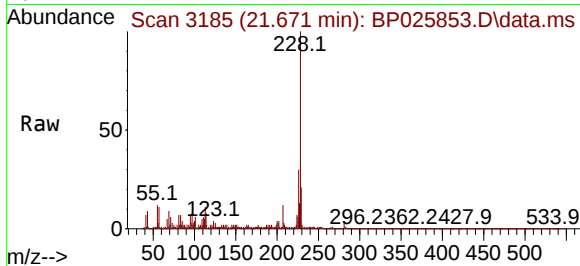




#83
Chrysene
Concen: 15.250 ng
RT: 21.671 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

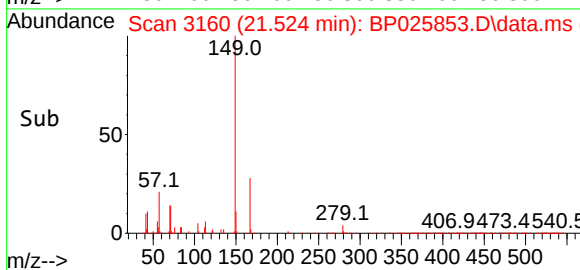
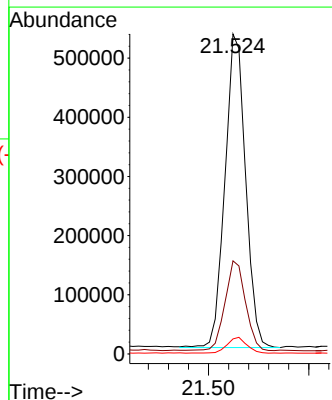
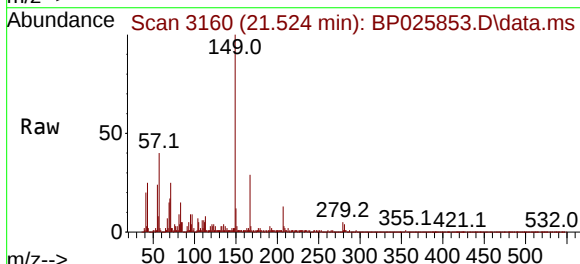
Instrument :
BNA_P
ClientSampleId :

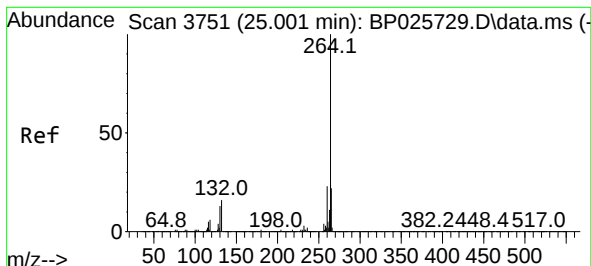
Tgt Ion:228 Resp: 1027551
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.3 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 17.105 ng
RT: 21.524 min Scan# 3160
Delta R.T. -0.024 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

Tgt Ion:149 Resp: 755943
Ion Ratio Lower Upper
149 100
167 29.1 22.9 34.3
279 4.7 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

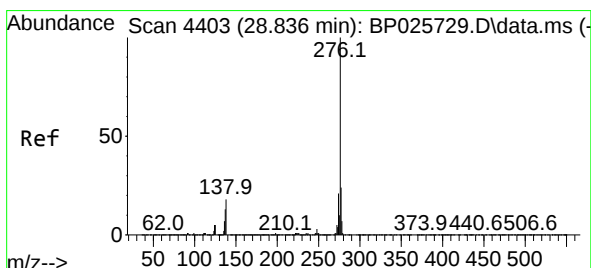
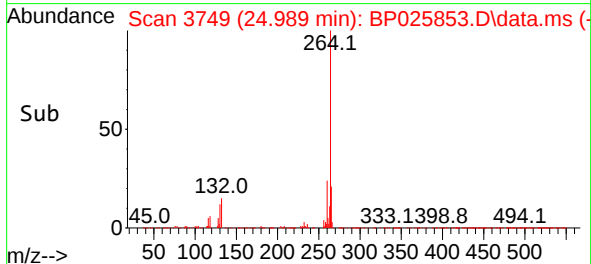
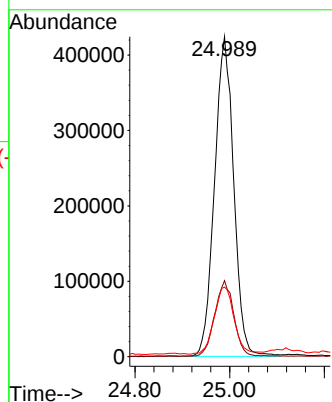
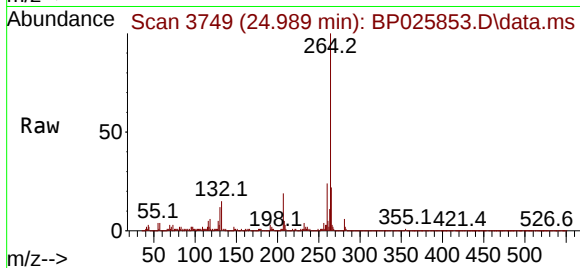
Tgt Ion:264 Resp: 1189012

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 21.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.272 ng

RT: 28.812 min Scan# 4399

Delta R.T. -0.024 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

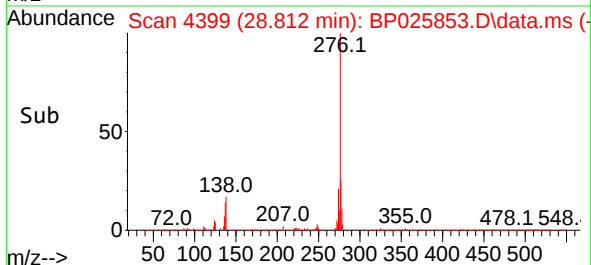
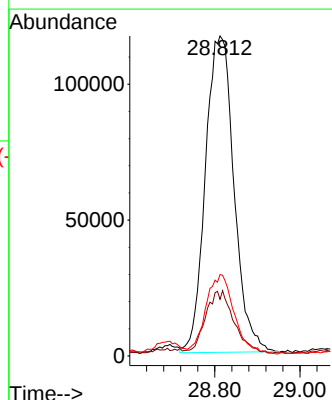
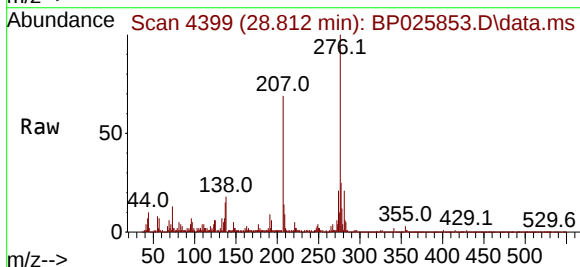
Tgt Ion:276 Resp: 542361

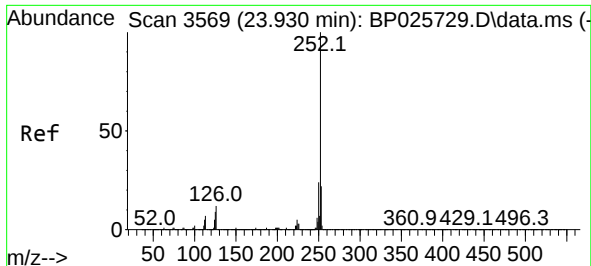
Ion Ratio Lower Upper

276 100

138 19.4 13.4 20.2

277 24.9 9.1 13.7#

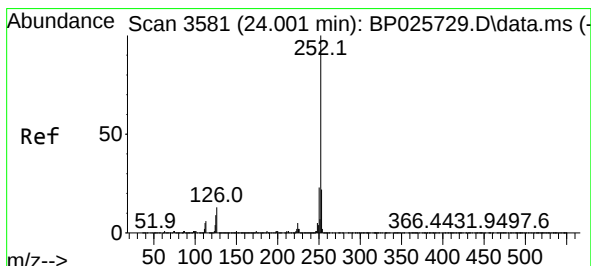
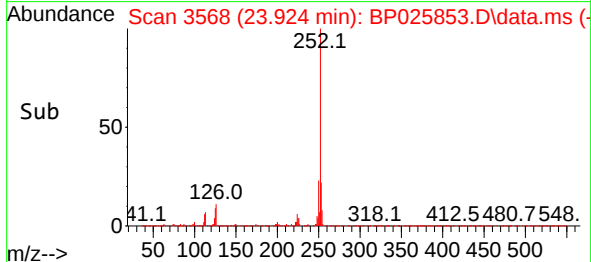
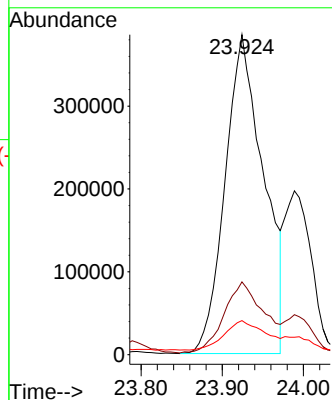
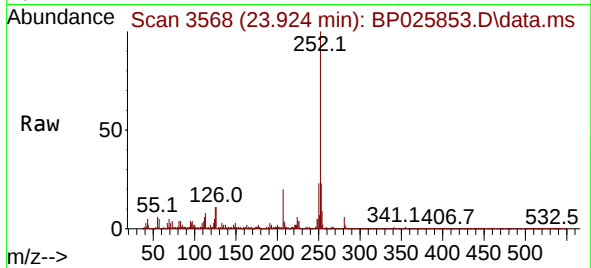




#88
Benzo(b)fluoranthene
Concen: 17.443 ng
RT: 23.924 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

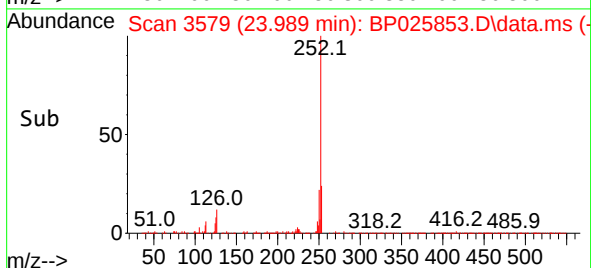
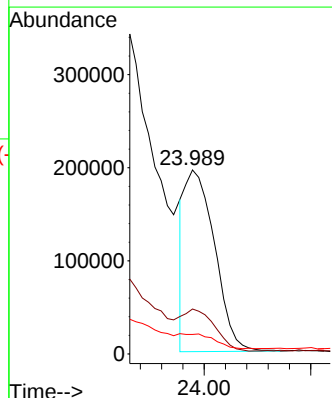
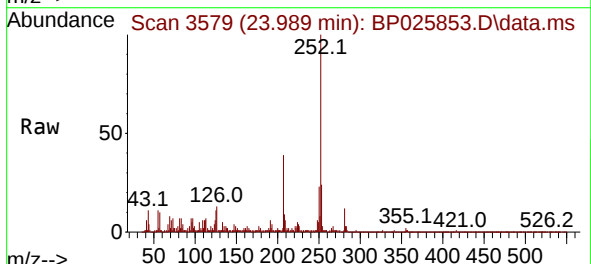
Instrument :
BNA_P
ClientSampleId :

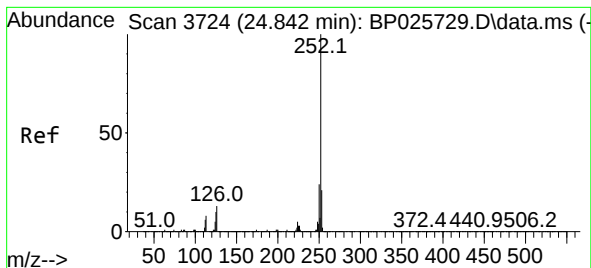
Tgt Ion:252 Resp: 1268270
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 10.7 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 5.117 ng
RT: 23.989 min Scan# 3579
Delta R.T. -0.012 min
Lab File: BP025853.D
Acq: 24 Sep 2025 20:13

Tgt Ion:252 Resp: 379635
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 10.6 7.5 11.3





#90

Benzo(a)pyrene

Concen: 10.793 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Instrument :

BNA_P

ClientSampleId :

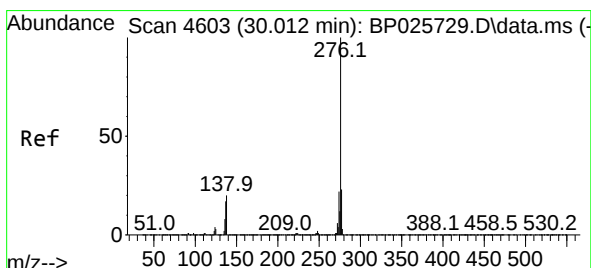
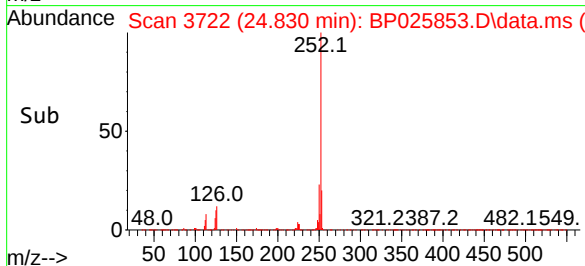
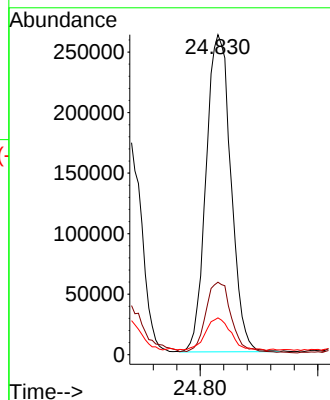
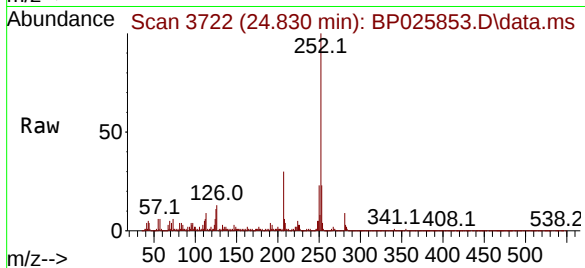
Tgt Ion:252 Resp: 768529

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 11.5 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 7.538 ng

RT: 30.006 min Scan# 4602

Delta R.T. -0.006 min

Lab File: BP025853.D

Acq: 24 Sep 2025 20:13

Tgt Ion:276 Resp: 524579

Ion Ratio Lower Upper

276 100

277 24.6 18.7 28.1

138 19.0 16.0 24.0

