

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025852.D
 Acq On : 24 Sep 2025 19:31
 Operator : CG/JU
 Sample : Q3159-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 00:39:26 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)

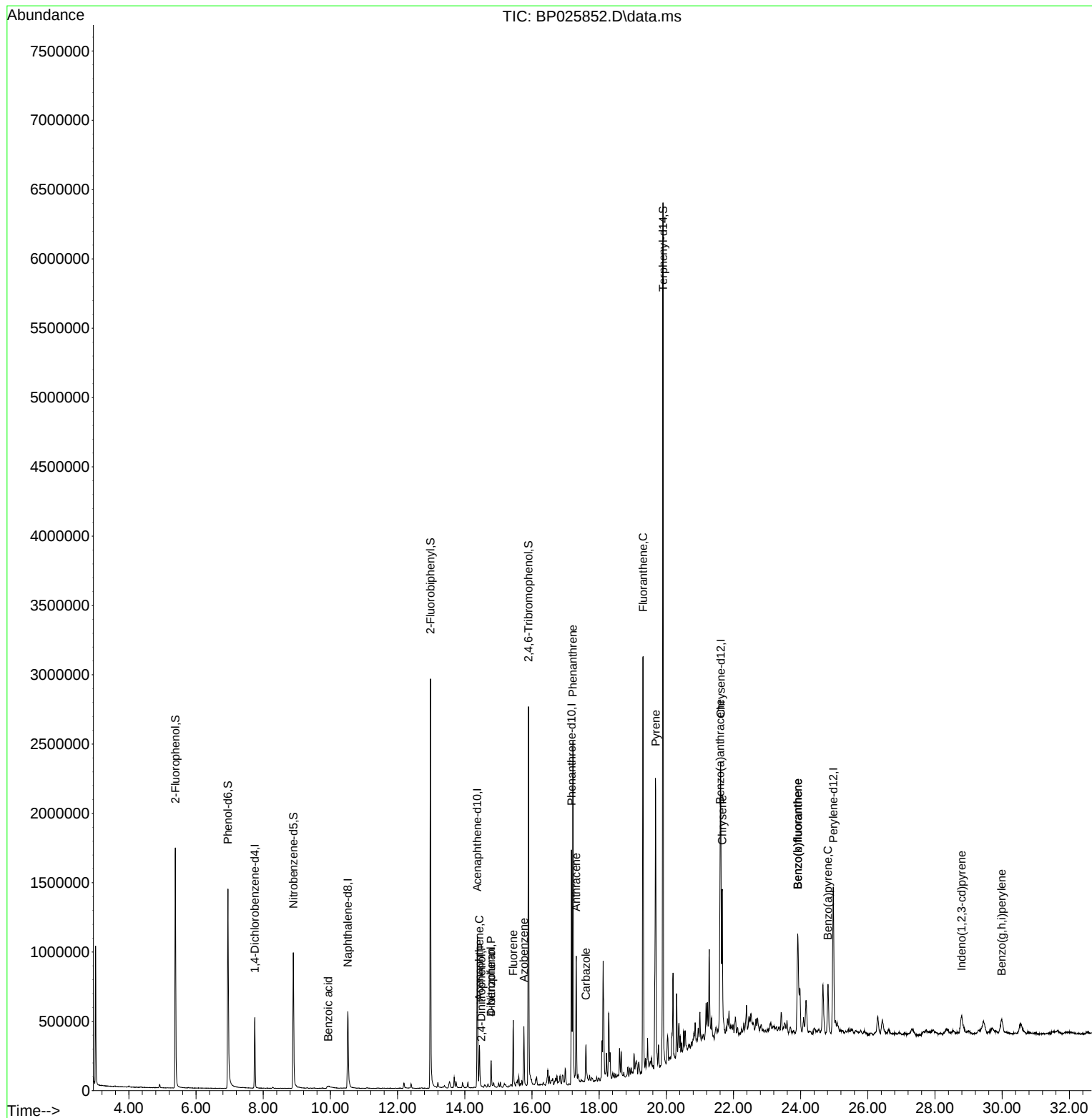
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	140108	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	580999	20.000	ng	0.00
39) Acenaphthene-d10	14.372	164	415971	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	932954	20.000	ng	0.00
76) Chrysene-d12	21.619	240	970863	20.000	ng	-0.02
86) Perylene-d12	24.971	264	1048403	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	847708	97.626	ng	0.00
7) Phenol-d6	6.949	99	1061336	91.958	ng	0.00
23) Nitrobenzene-d5	8.896	82	677805	51.461	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	543660	104.784	ng	-0.01
45) 2-Fluorobiphenyl	12.978	172	1627621	52.099	ng	-0.01
79) Terphenyl-d14	19.901	244	3135466	58.099	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.937	122	21170	3.094	ng	# 80
52) Acenaphthene	14.437	154	110599	4.815	ng	97
54) 2,4-Dinitrophenol	14.490	184	4	4.825	ng	# 1
55) Dibenzofuran	14.784	168	126242	3.372	ng	97
56) 4-Nitrophenol	14.784	139	47330	11.815	ng	# 4
58) Fluorene	15.442	166	216466	7.271	ng	99
63) Azobenzene	15.760	77	117625	3.776	ng	# 1
71) Phenanthrene	17.219	178	1603761	30.304	ng	99
72) Anthracene	17.319	178	647082	12.051	ng	99
73) Carbazole	17.607	167	199936	4.005	ng	99
75) Fluoranthene	19.307	202	2080851	32.784	ng	100
78) Pyrene	19.683	202	1480903	22.860	ng	98
81) Benzo(a)anthracene	21.601	228	615294	9.257	ng	98
83) Chrysene	21.666	228	778096	12.281	ng	97
87) Indeno(1,2,3-cd)pyrene	28.795	276	229922	3.016	ng	# 79
88) Benzo(b)fluoranthene	23.913	252	891775	13.910	ng	98
89) Benzo(k)fluoranthene	23.913	252	891775	13.631	ng	99
90) Benzo(a)pyrene	24.813	252	376127	5.991	ng	97
92) Benzo(g,h,i)perylene	29.983	276	200520	3.268	ng	95

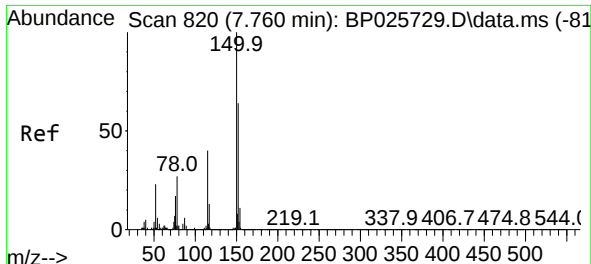
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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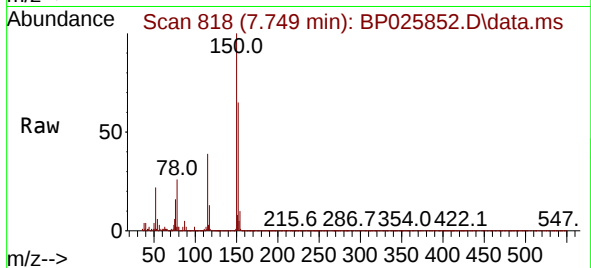
Quant Time: Sep 25 00:39:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
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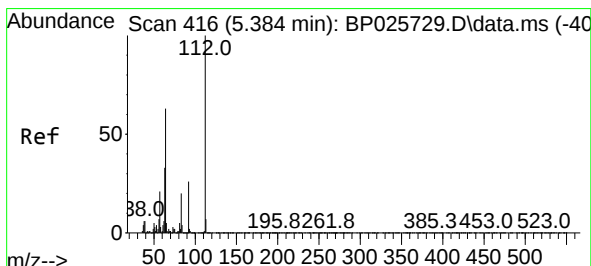
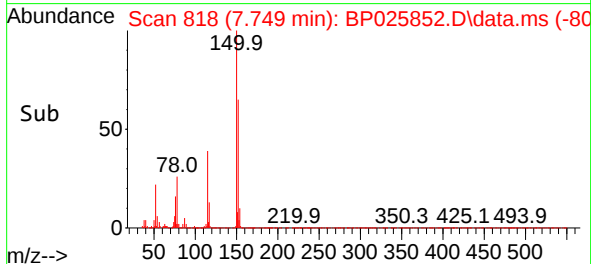
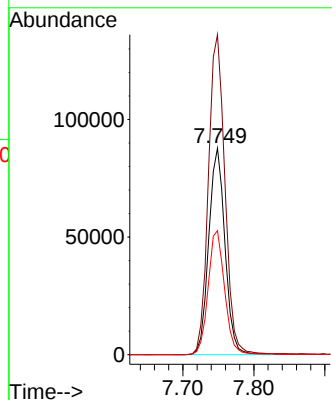


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.749 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP025852.D
 Acq: 24 Sep 2025 19:31

Instrument :
 BNA_P
 ClientSampleId :

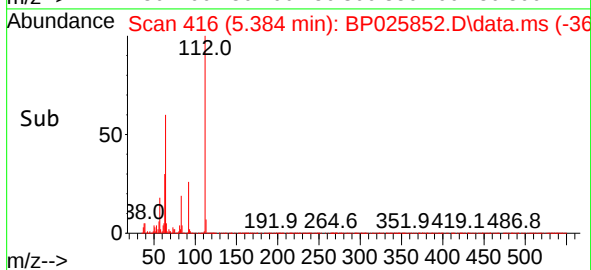
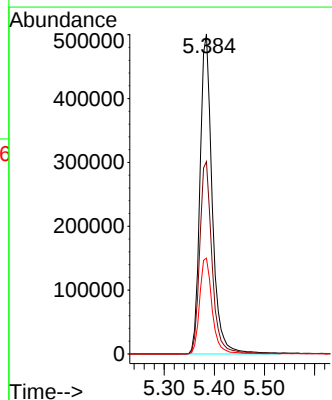
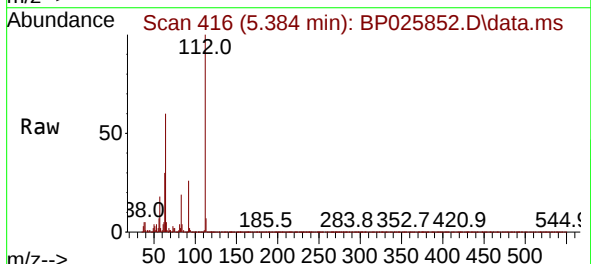


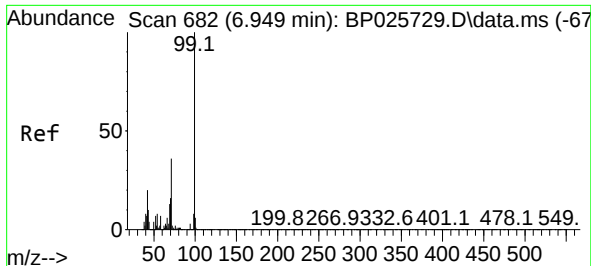
Tgt Ion:152 Resp: 140108
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.3 186.5
 115 60.0 50.3 75.5



#5
 2-Fluorophenol
 Concen: 97.626 ng
 RT: 5.384 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BP025852.D
 Acq: 24 Sep 2025 19:31

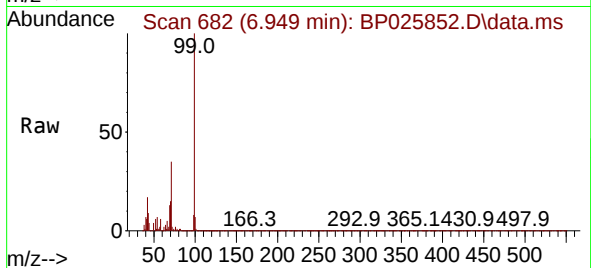
Tgt Ion:112 Resp: 847708
 Ion Ratio Lower Upper
 112 100
 64 60.1 50.2 75.4
 63 30.0 26.7 40.1



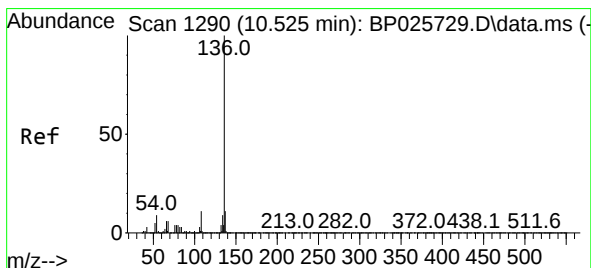
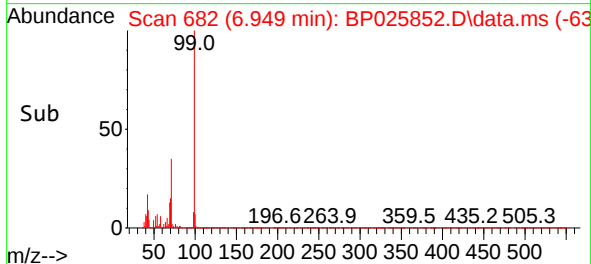
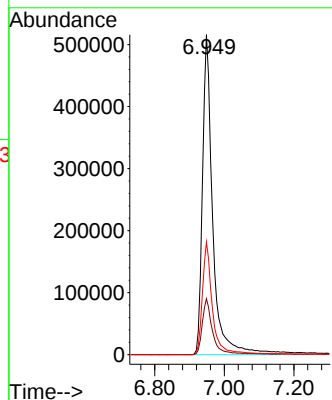


#7
Phenol-d6
Concen: 91.958 ng
RT: 6.949 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Instrument :
BNA_P
ClientSampleId :

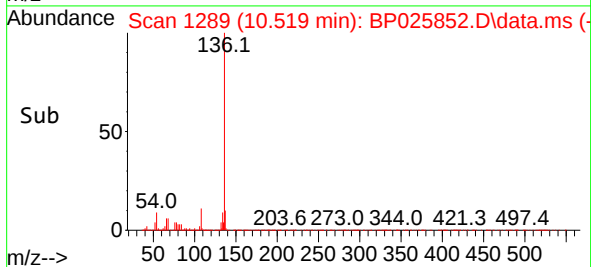
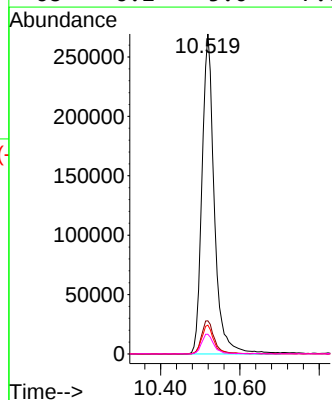
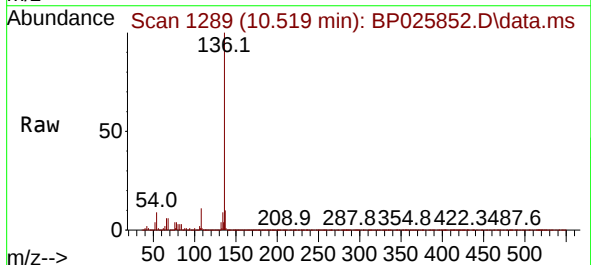


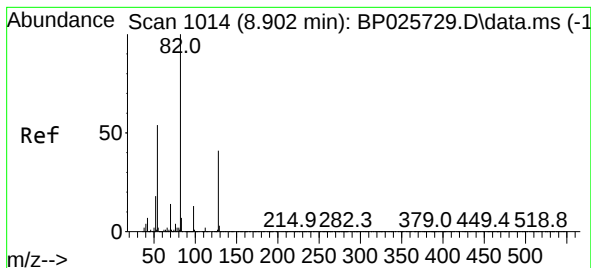
Tgt Ion: 99 Resp: 1061336
Ion Ratio Lower Upper
99 100
42 17.5 15.6 23.4
71 35.3 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion: 136 Resp: 580999
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 9.0 7.5 11.3
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 51.461 ng

RT: 8.896 min Scan# 110

Delta R.T. -0.006 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

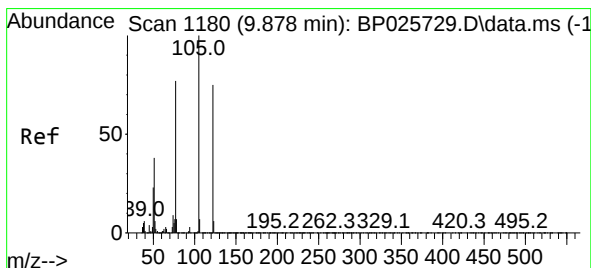
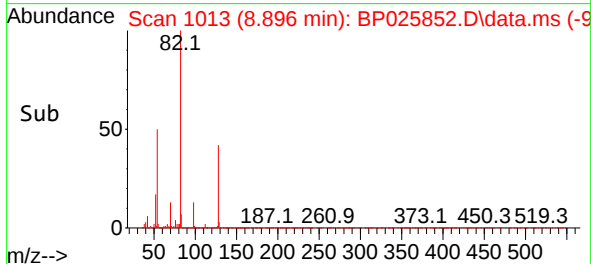
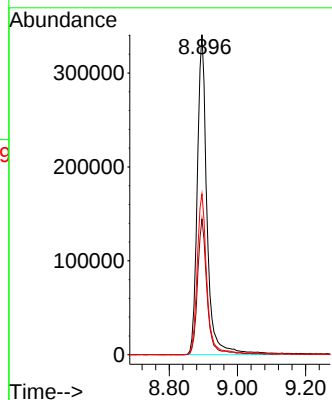
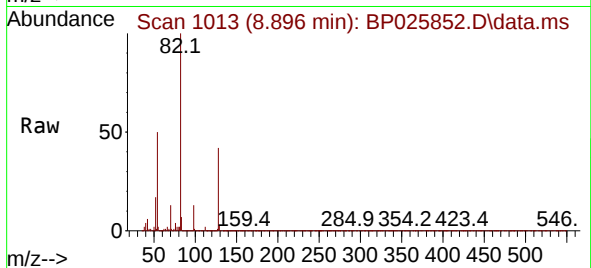
Tgt Ion: 82 Resp: 677805

Ion Ratio Lower Upper

82 100

128 42.4 32.9 49.3

54 50.2 43.4 65.2



#32

Benzoic acid

Concen: 3.094 ng

RT: 9.937 min Scan# 1190

Delta R.T. 0.059 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

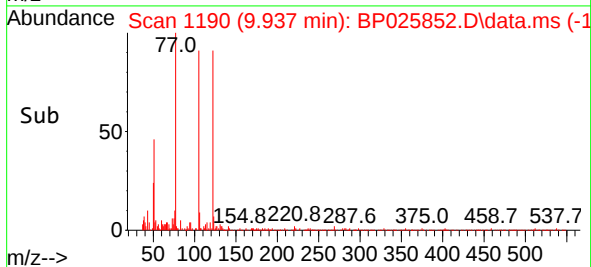
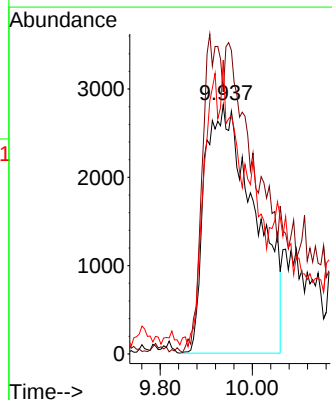
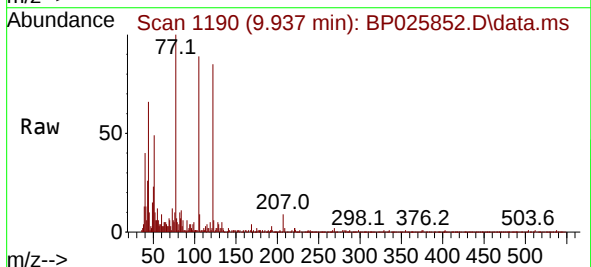
Tgt Ion:122 Resp: 21170

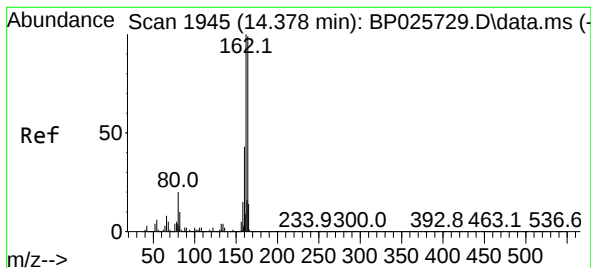
Ion Ratio Lower Upper

122 100

105 105.1 111.5 151.5#

77 117.8 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: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

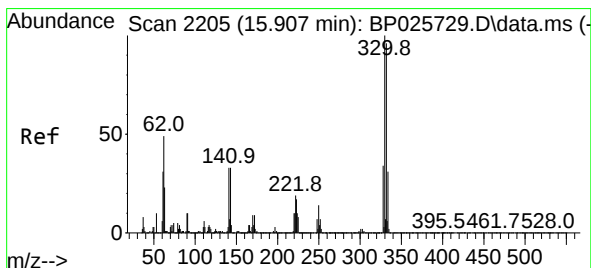
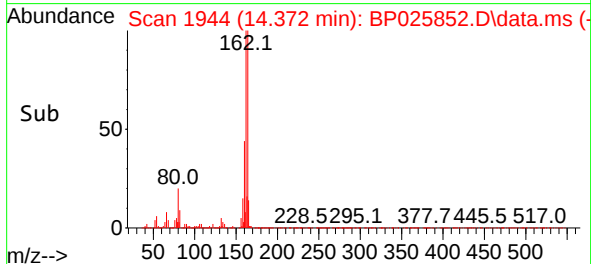
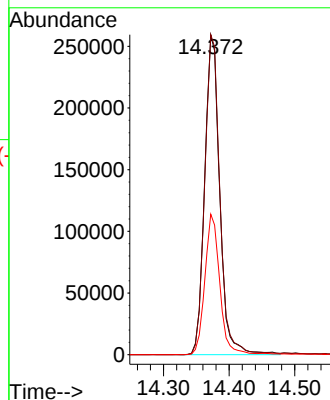
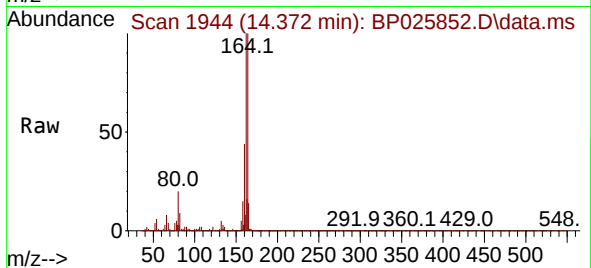
Tgt Ion:164 Resp: 415971

Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

160 43.9 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 104.784 ng

RT: 15.895 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

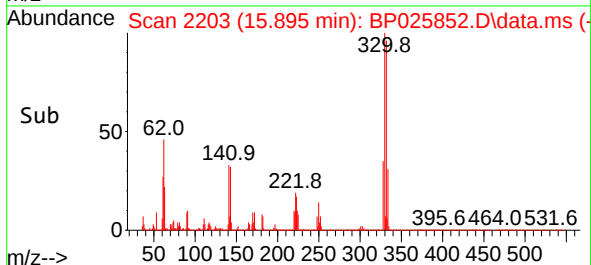
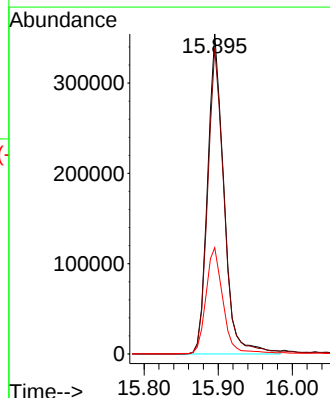
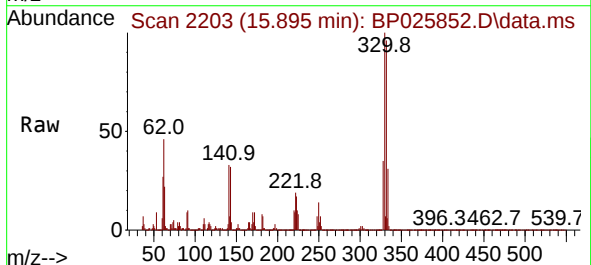
Tgt Ion:330 Resp: 543660

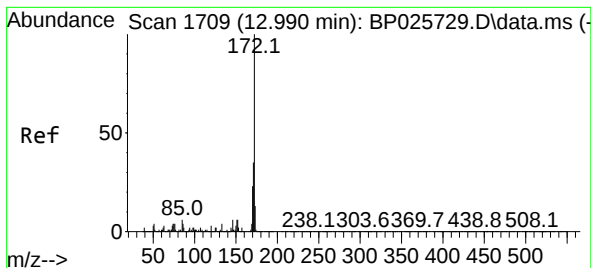
Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 35.1 31.0 46.4

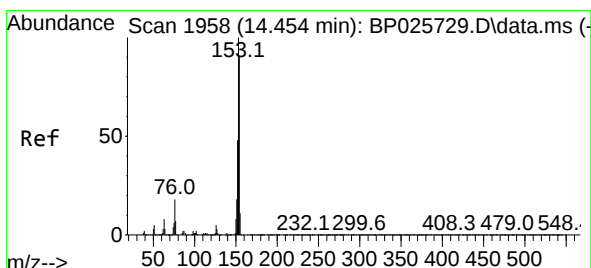
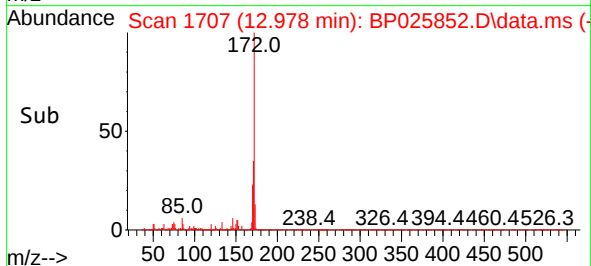
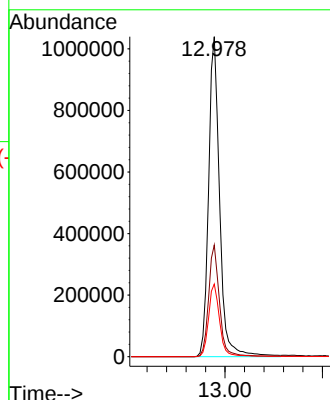
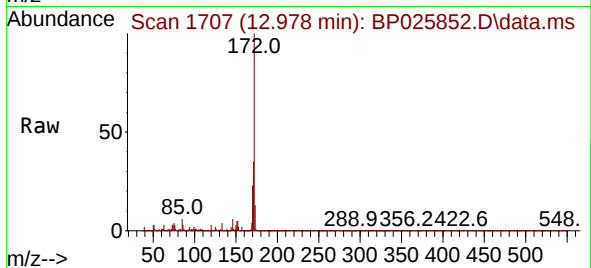




#45
2-Fluorobiphenyl
Concen: 52.099 ng
RT: 12.978 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

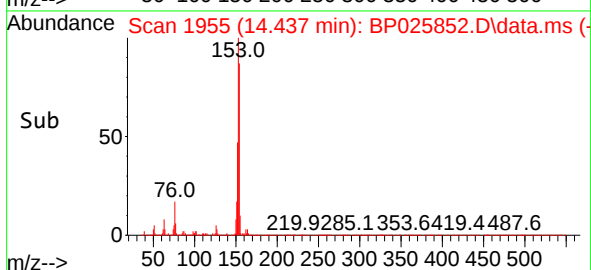
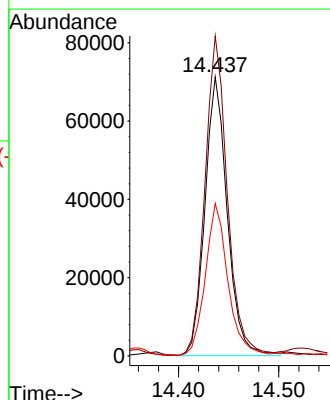
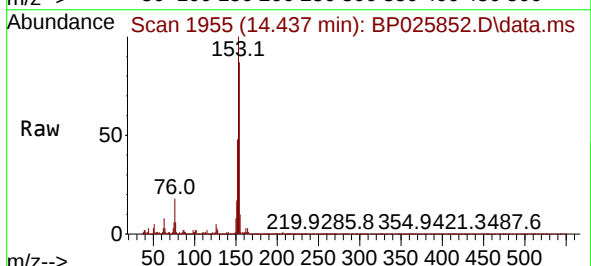
Instrument :
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ClientSampleId :

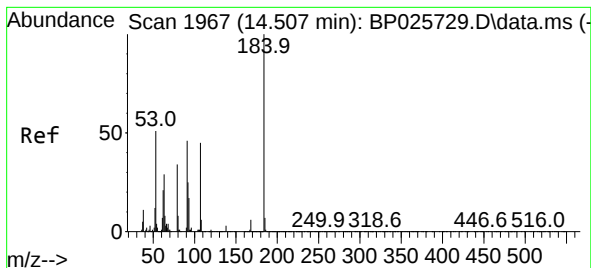
Tgt Ion:172 Resp: 1627621
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.7 18.6 27.8



#52
Acenaphthene
Concen: 4.815 ng
RT: 14.437 min Scan# 1955
Delta R.T. -0.018 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion:154 Resp: 110599
Ion Ratio Lower Upper
154 100
153 114.7 89.4 134.0
152 54.6 42.5 63.7

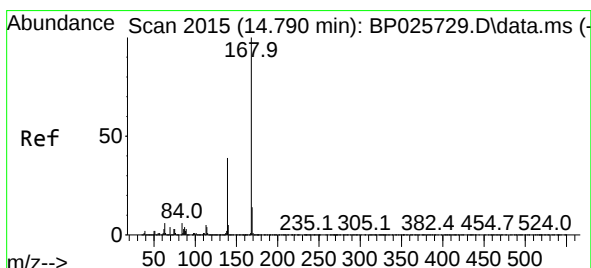
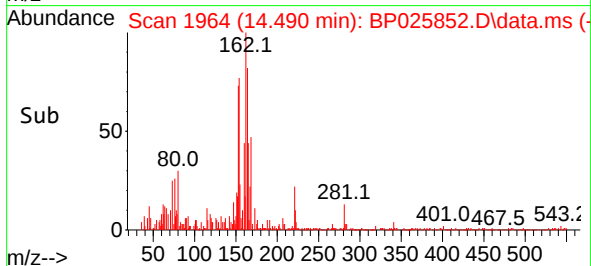
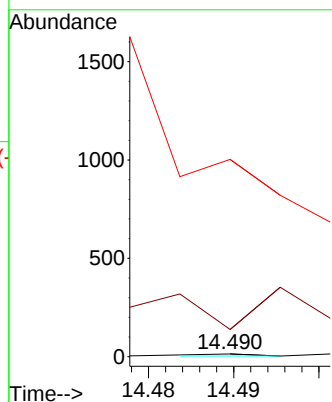
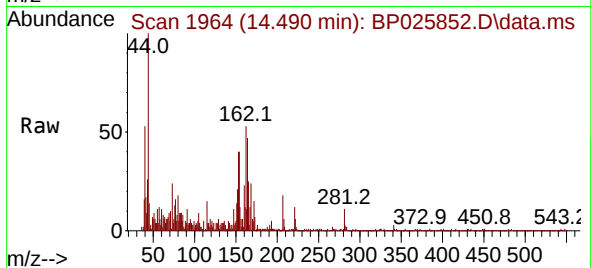




#54
2,4-Dinitrophenol
Concen: 4.825 ng
RT: 14.490 min Scan# 1967
Delta R.T. -0.017 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

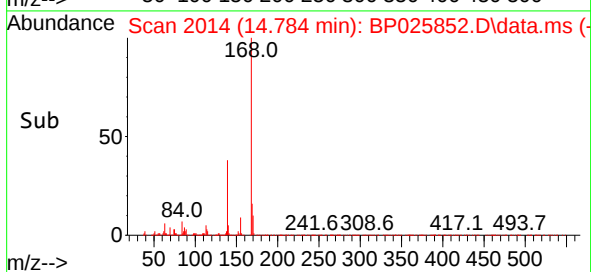
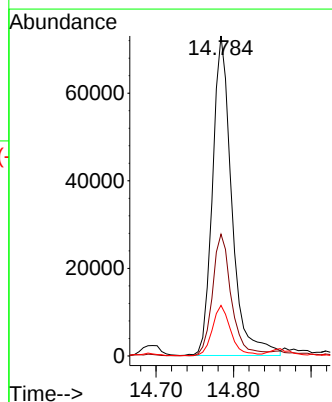
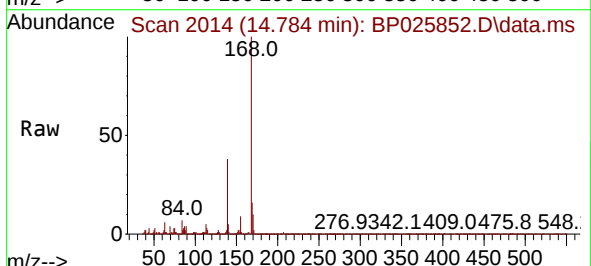
Instrument :
BNA_P
ClientSampleId :

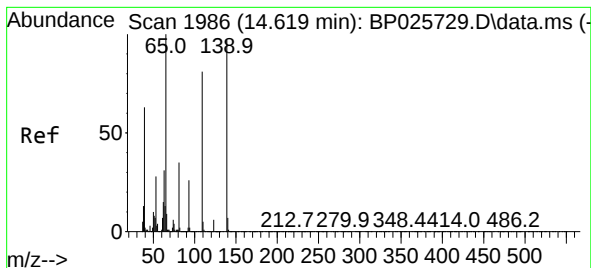
Tgt Ion:184 Resp: 4
Ion Ratio Lower Upper
184 100
63 985.7 52.5 78.7#
154 7164.3 51.5 77.3#



#55
Dibenzofuran
Concen: 3.372 ng
RT: 14.784 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion:168 Resp: 126242
Ion Ratio Lower Upper
168 100
139 38.0 31.7 47.5
169 15.8 10.8 16.2

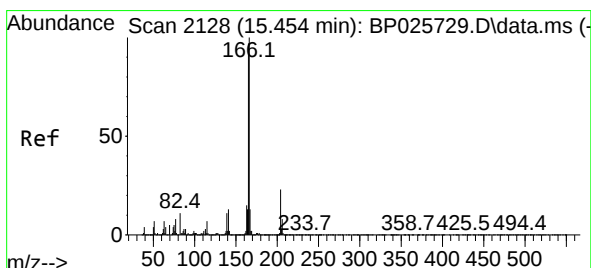
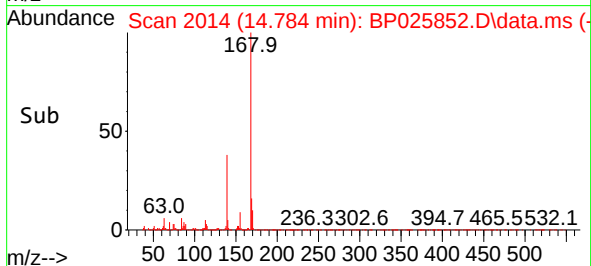
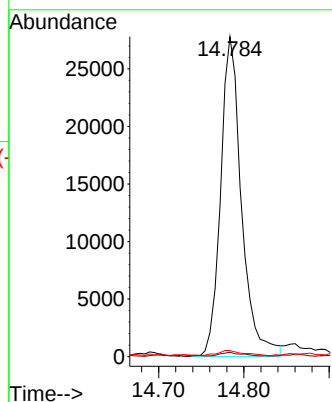
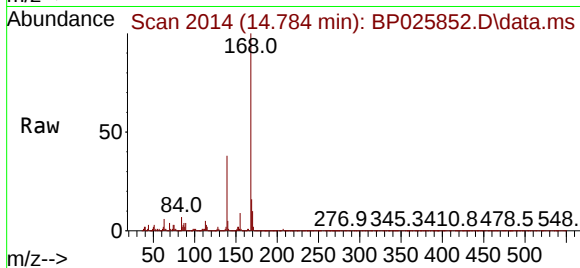




#56
4-Nitrophenol
Concen: 11.815 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.165 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

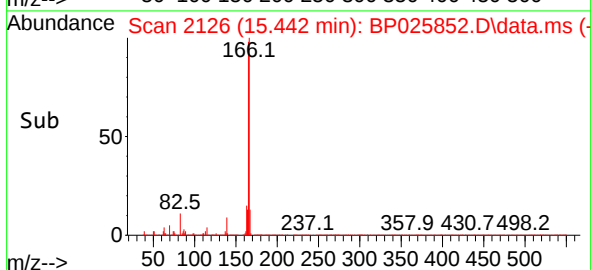
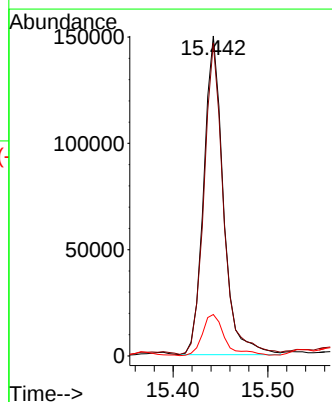
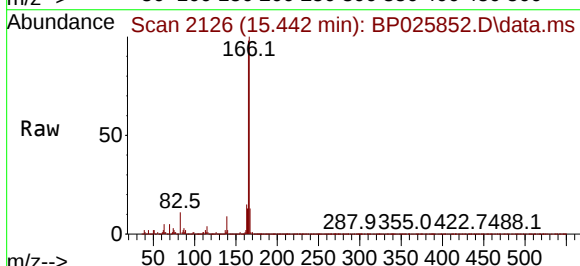
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BNA_P
ClientSampleId :

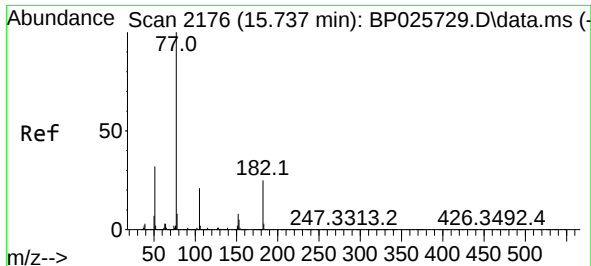
Tgt Ion:139 Resp: 47330
Ion Ratio Lower Upper
139 100
109 1.4 62.9 102.9#
65 1.9 83.4 123.4#



#58
Fluorene
Concen: 7.271 ng
RT: 15.442 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion:166 Resp: 216466
Ion Ratio Lower Upper
166 100
165 97.8 77.7 116.5
167 12.9 10.6 16.0

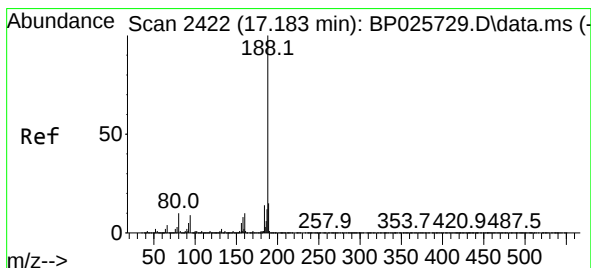
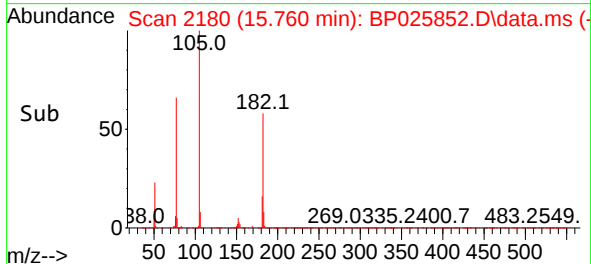
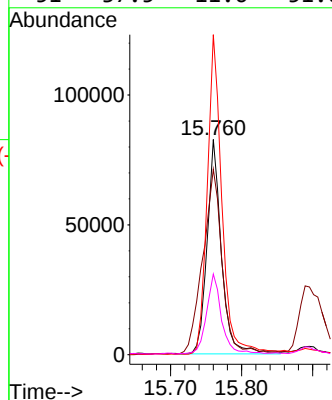
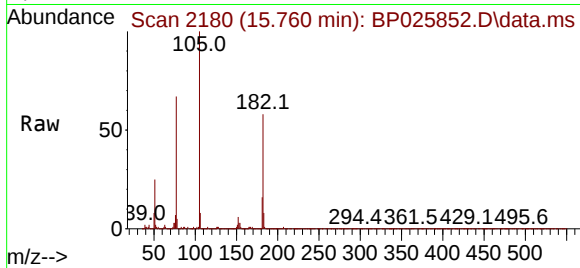




#63
Azobenzene
Concen: 3.776 ng
RT: 15.760 min Scan# 2176
Delta R.T. 0.024 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

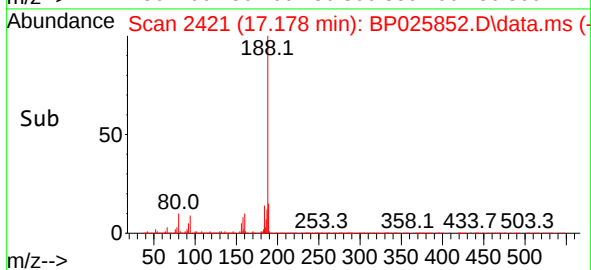
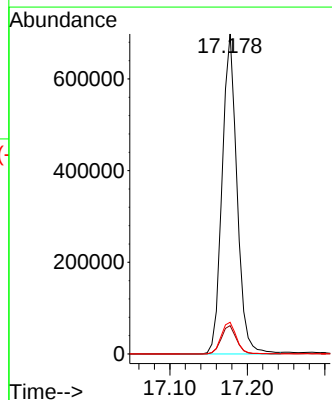
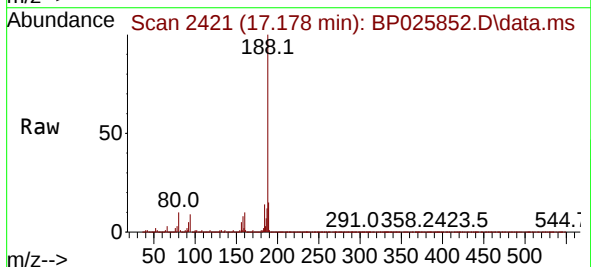
Instrument :
BNA_P
ClientSampleId :

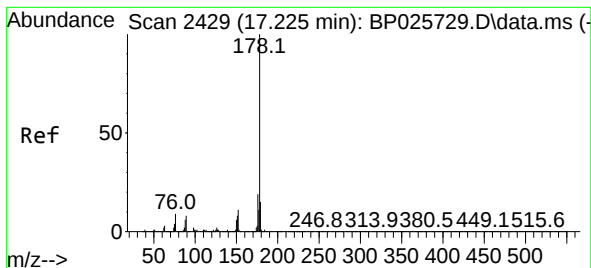
Tgt Ion: 77 Resp: 117625
Ion Ratio Lower Upper
77 100
182 86.1 5.2 45.2#
105 148.7 1.1 41.1#
51 37.5 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion: 188 Resp: 932954
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.0
80 9.9 7.7 11.5





#71

Phenanthrene

Concen: 30.304 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

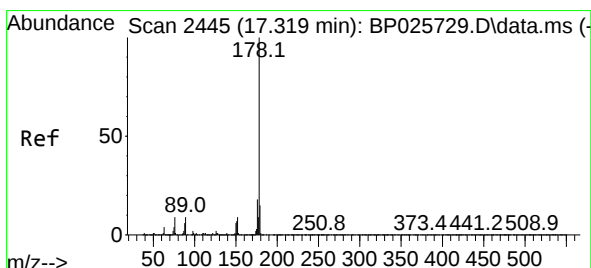
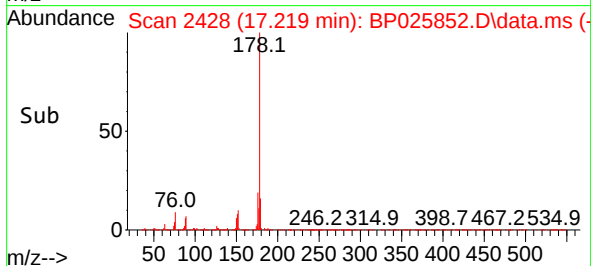
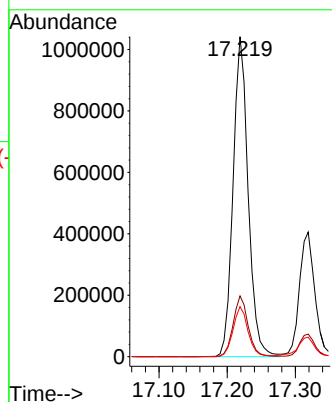
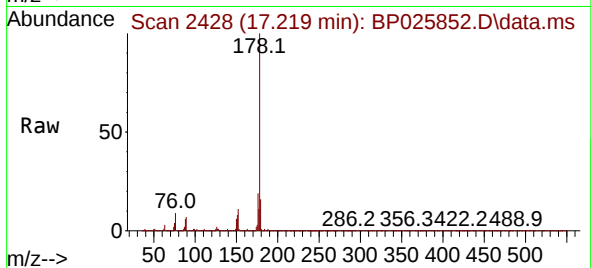
Tgt Ion:178 Resp: 1603761

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.7 12.2 18.4



#72

Anthracene

Concen: 12.051 ng

RT: 17.319 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

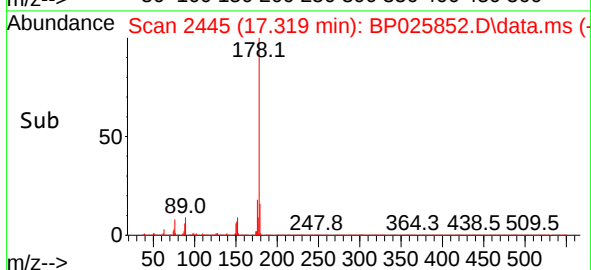
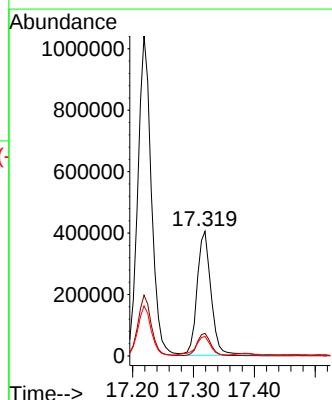
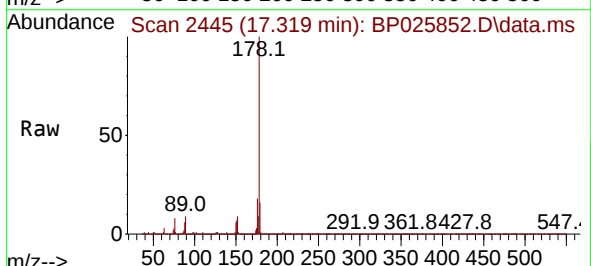
Tgt Ion:178 Resp: 647082

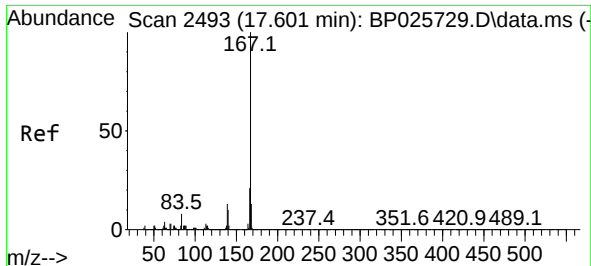
Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

179 15.6 12.2 18.4

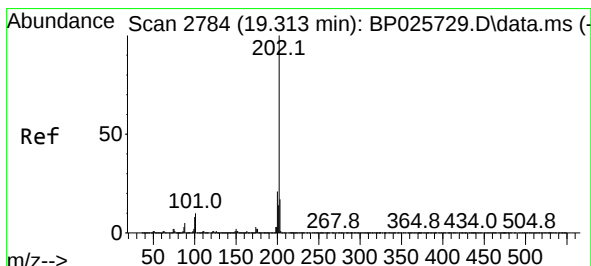
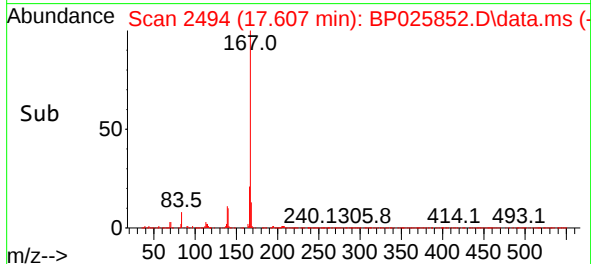
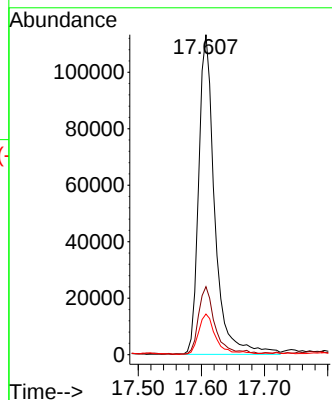
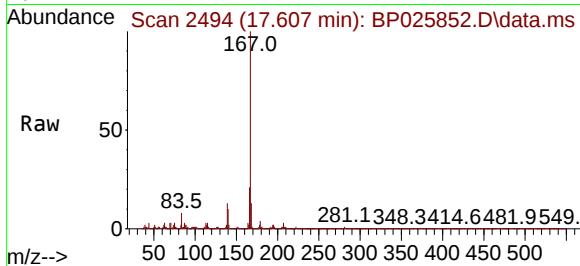




#73
 Carbazole
 Concen: 4.005 ng
 RT: 17.607 min Scan# 2493
 Delta R.T. 0.006 min
 Lab File: BP025852.D
 Acq: 24 Sep 2025 19:31

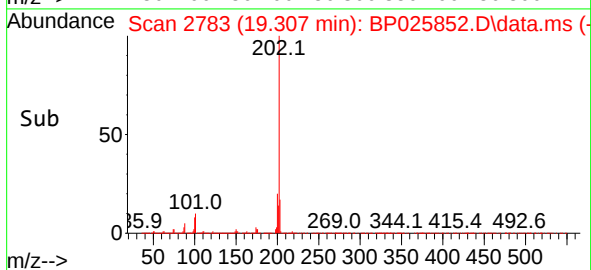
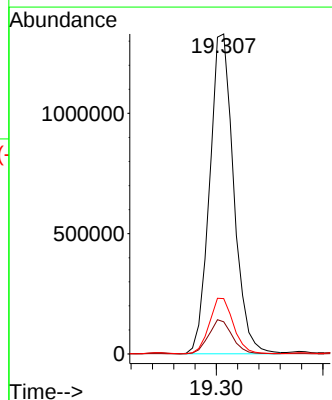
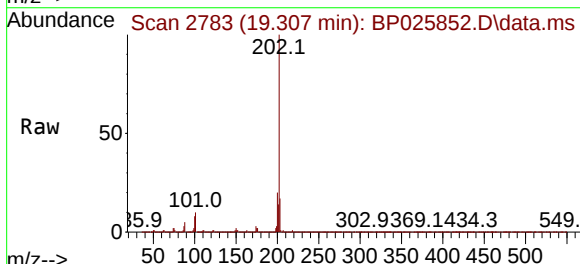
Instrument :
 BNA_P
 ClientSampleId :

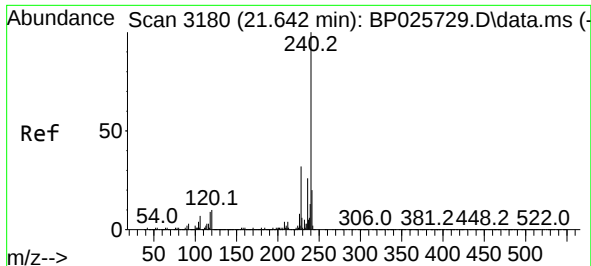
Tgt Ion:167 Resp: 199936
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.7 10.6 16.0



#75
 Fluoranthene
 Concen: 32.784 ng
 RT: 19.307 min Scan# 2783
 Delta R.T. -0.006 min
 Lab File: BP025852.D
 Acq: 24 Sep 2025 19:31

Tgt Ion:202 Resp: 2080851
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.4
 203 17.3 0.0 37.4

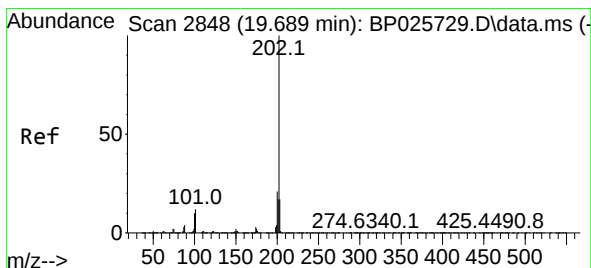
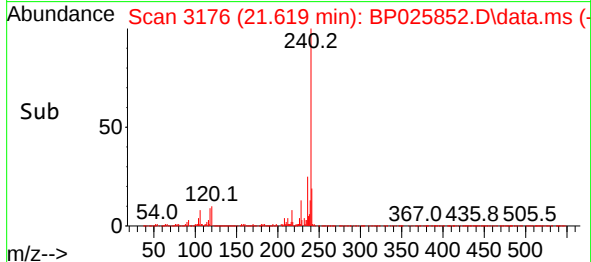
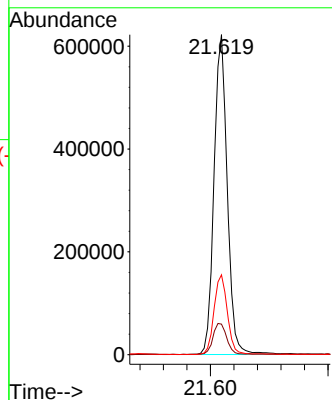
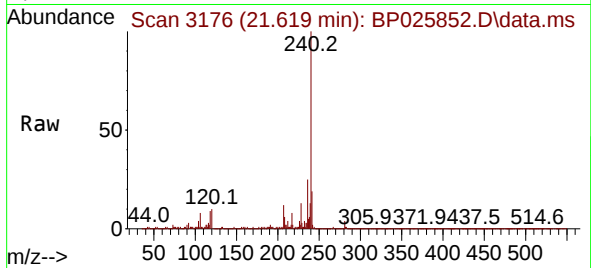




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

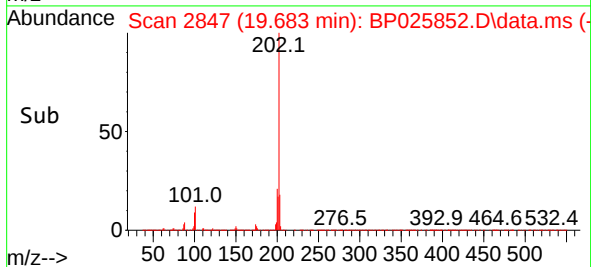
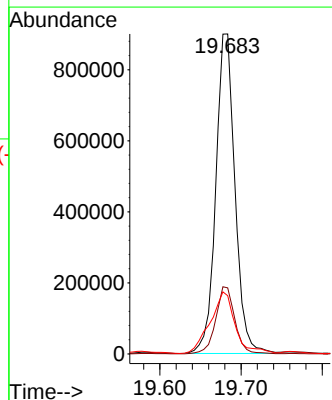
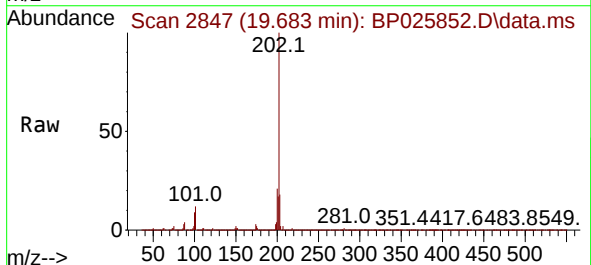
Instrument :
BNA_P
ClientSampleId :

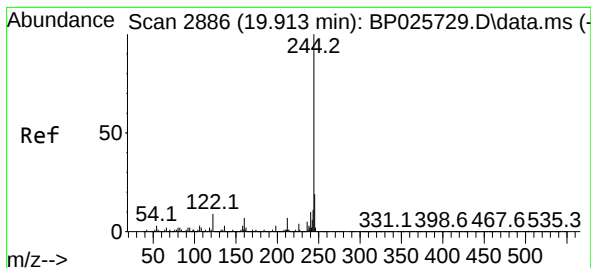
Tgt Ion:240 Resp: 970863
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 24.9 20.7 31.1



#78
Pyrene
Concen: 22.860 ng
RT: 19.683 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion:202 Resp: 1480903
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.2 13.9 20.9





#79

Terphenyl-d14

Concen: 58.099 ng

RT: 19.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

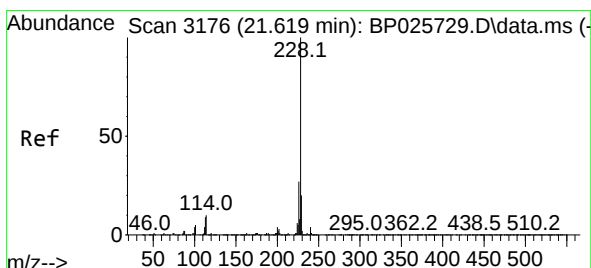
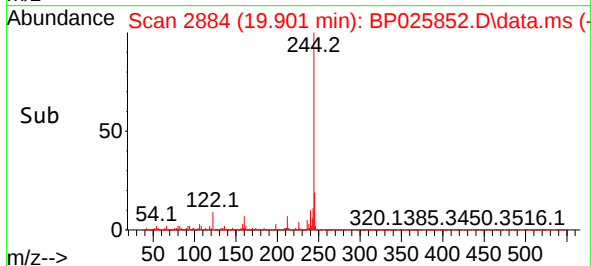
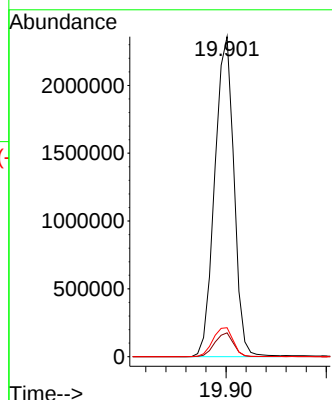
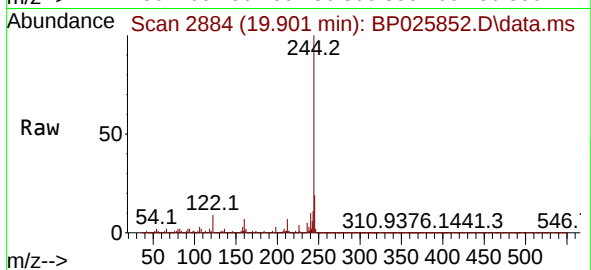
Tgt Ion:244 Resp: 3135466

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.0 7.1 10.7



#81

Benzo(a)anthracene

Concen: 9.257 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

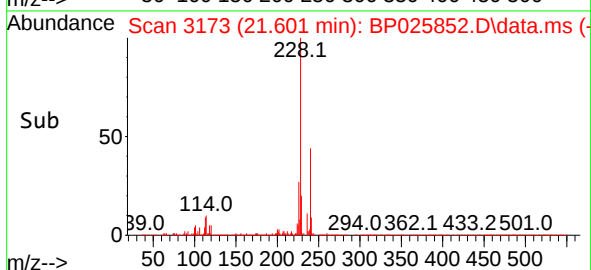
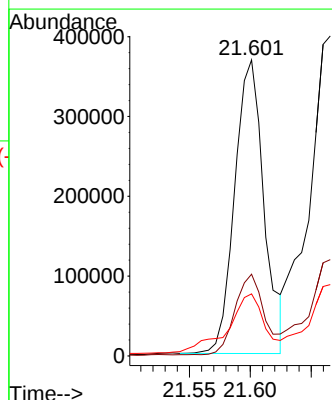
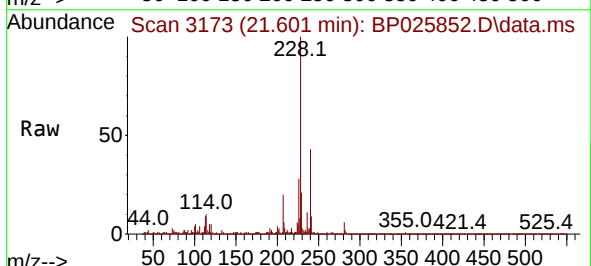
Tgt Ion:228 Resp: 615294

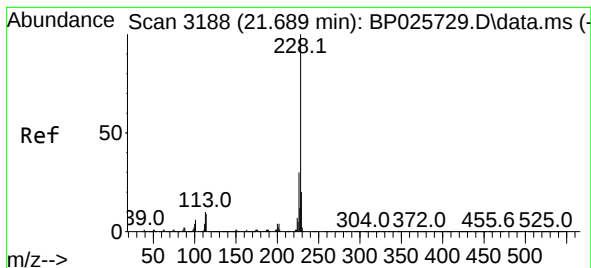
Ion Ratio Lower Upper

228 100

226 27.6 21.6 32.4

229 21.0 15.7 23.5





#83

Chrysene

Concen: 12.281 ng

RT: 21.666 min Scan# 3188

Delta R.T. -0.023 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

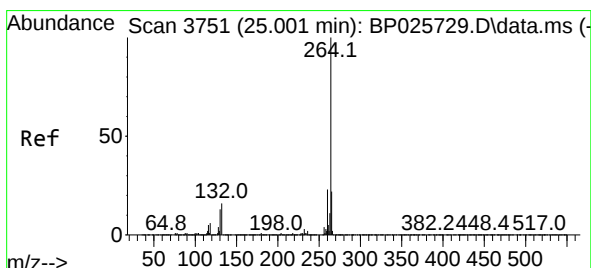
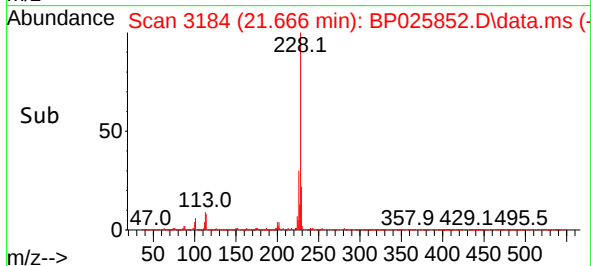
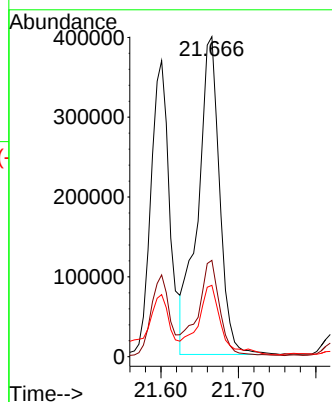
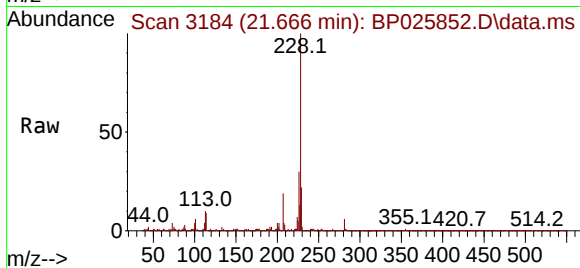
Tgt Ion:228 Resp: 778096

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

229 22.3 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.971 min Scan# 3746

Delta R.T. -0.029 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

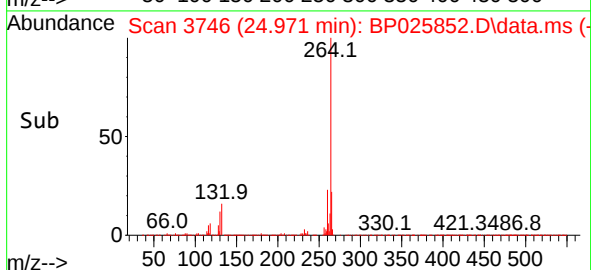
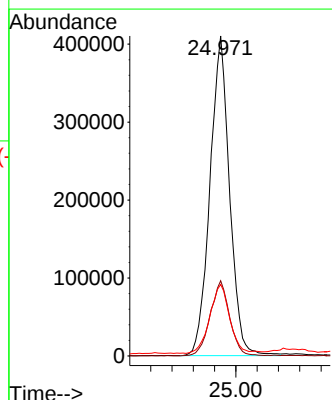
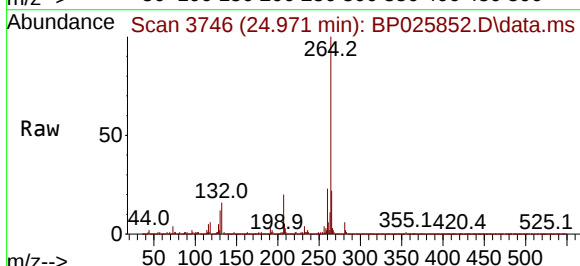
Tgt Ion:264 Resp: 1048403

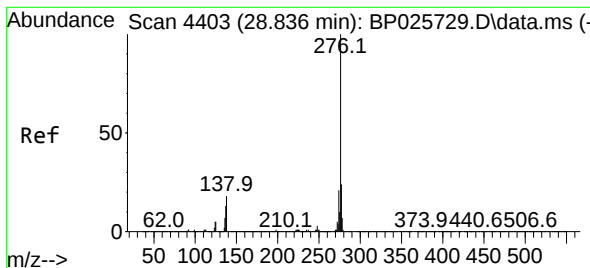
Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 22.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.016 ng

RT: 28.795 min Scan# 41

Delta R.T. -0.041 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :

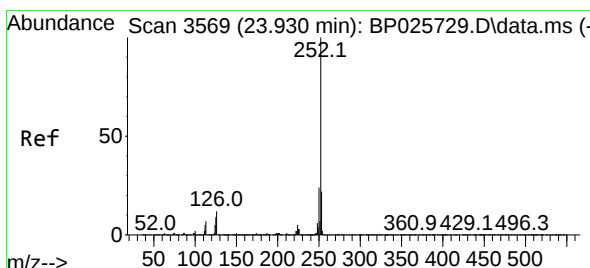
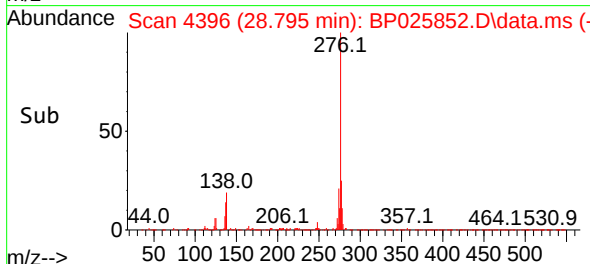
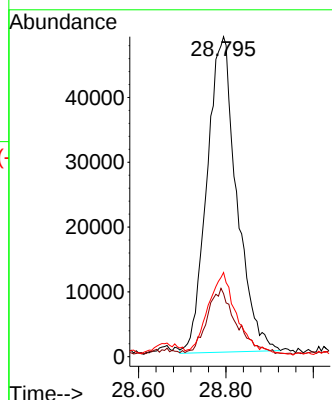
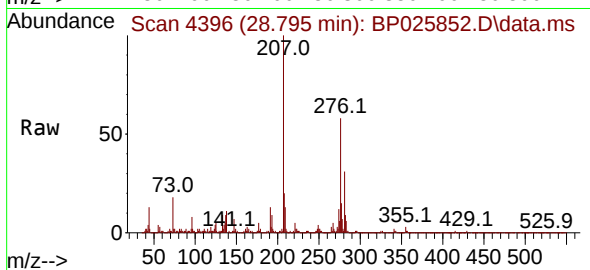
Tgt Ion:276 Resp: 229922

Ion Ratio Lower Upper

276 100

138 21.2 13.4 20.2#

277 25.9 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 13.910 ng

RT: 23.913 min Scan# 3566

Delta R.T. -0.018 min

Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

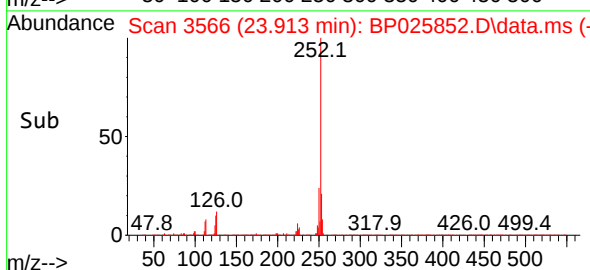
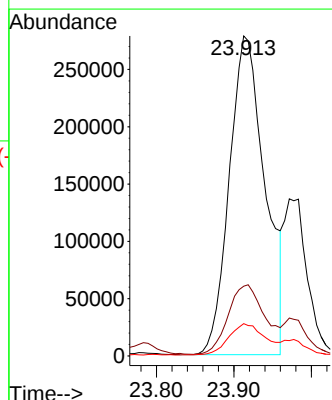
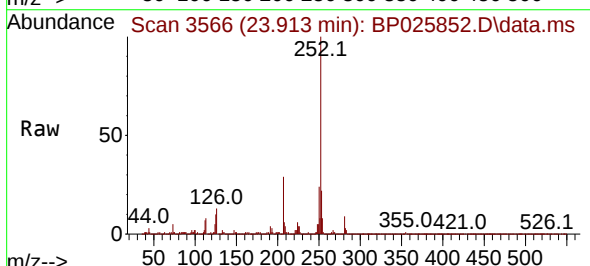
Tgt Ion:252 Resp: 891775

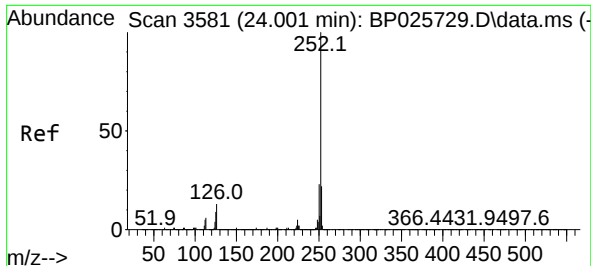
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 10.1 7.3 10.9

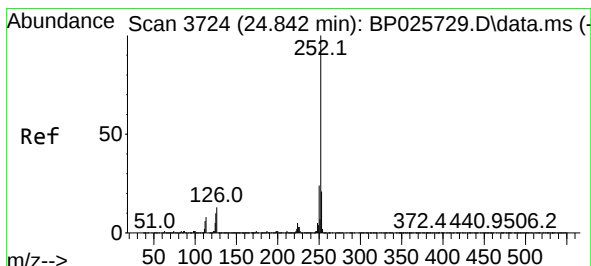
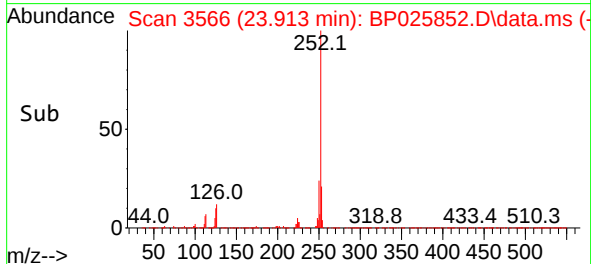
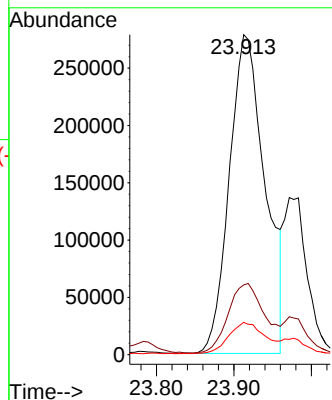
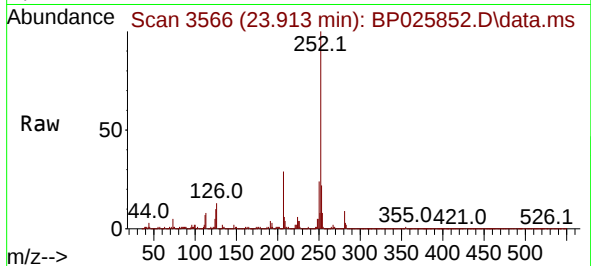




#89
Benzo(k)fluoranthene
Concen: 13.631 ng
RT: 23.913 min Scan# 31
Delta R.T. -0.088 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

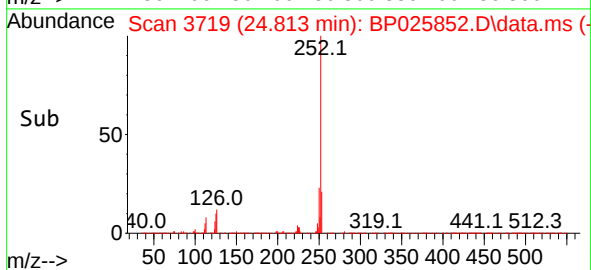
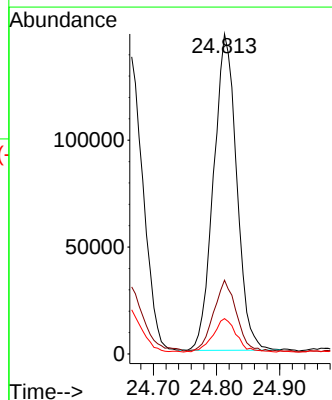
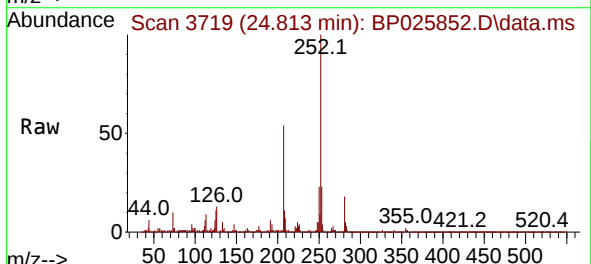
Instrument :
BNA_P
ClientSampleId :

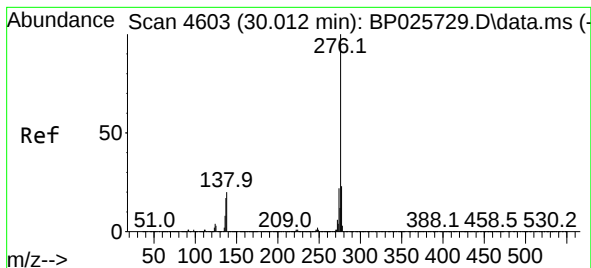
Tgt Ion:252 Resp: 891775
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.1 7.5 11.3



#90
Benzo(a)pyrene
Concen: 5.991 ng
RT: 24.813 min Scan# 3719
Delta R.T. -0.029 min
Lab File: BP025852.D
Acq: 24 Sep 2025 19:31

Tgt Ion:252 Resp: 376127
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.0 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 3.268 ng

RT: 29.983 min Scan# 4

Delta R.T. -0.029 min

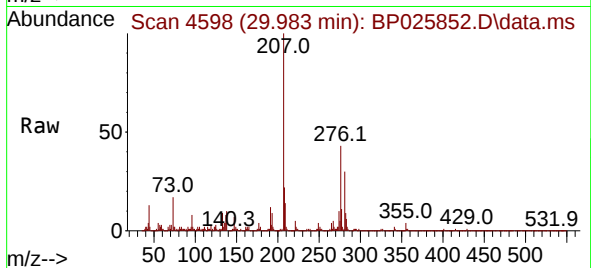
Lab File: BP025852.D

Acq: 24 Sep 2025 19:31

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 200520

Ion Ratio Lower Upper

276 100

277 25.8 18.7 28.1

138 22.7 16.0 24.0

