

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092525\
 Data File : BP025867.D
 Acq On : 25 Sep 2025 21:36
 Operator : CG/JU
 Sample : Q3167-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT4784

Quant Time: Sep 25 22:07:25 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)

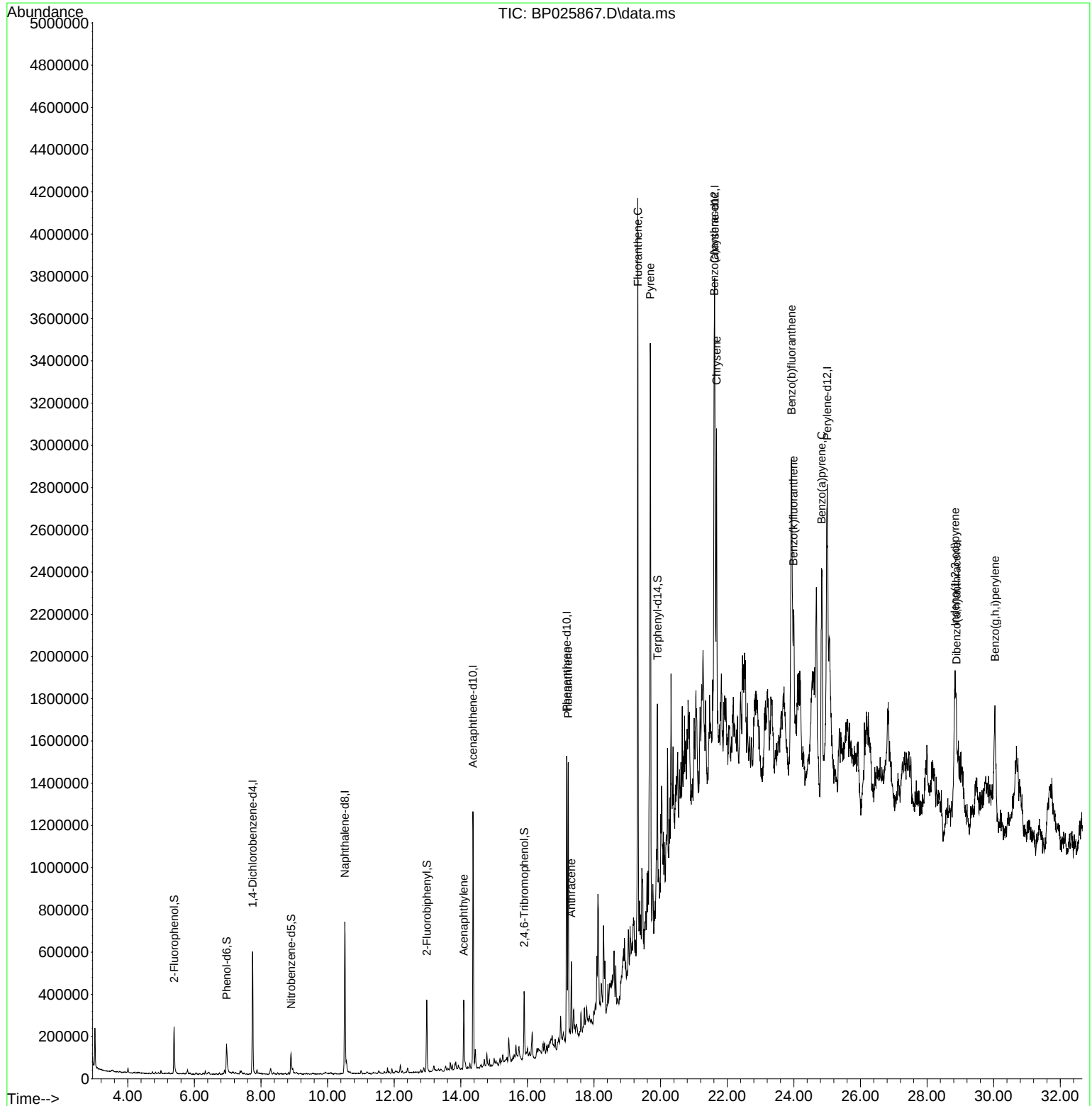
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	168700	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	666294	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	448032	20.000	ng	-0.01
64) Phenanthrene-d10	17.178	188	906496	20.000	ng	0.00
76) Chrysene-d12	21.624	240	964685	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1124463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	117204	11.210	ng	0.00
7) Phenol-d6	6.966	99	127782	9.195	ng	0.02
23) Nitrobenzene-d5	8.902	82	83884	5.553	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	69869	12.503	ng	0.00
45) 2-Fluorobiphenyl	12.978	172	220622	6.557	ng	-0.01
79) Terphenyl-d14	19.901	244	372742	6.951	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.090	152	285942	6.665	ng	98
71) Phenanthrene	17.225	178	852309	16.575	ng	99
72) Anthracene	17.319	178	279379	5.355	ng	98
75) Fluoranthene	19.313	202	2064378	33.474	ng	98
78) Pyrene	19.689	202	1904003	29.580	ng	99
81) Benzo(a)anthracene	21.607	228	1220878	18.486	ng	95
83) Chrysene	21.677	228	1204716	19.136	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	1072361	13.114	ng	# 86
88) Benzo(b)fluoranthene	23.930	252	1902798	27.672	ng	99
89) Benzo(k)fluoranthene	23.989	252	578871m	8.250	ng	
90) Benzo(a)pyrene	24.830	252	1344634	19.968	ng	96
91) Dibenzo(a,h)anthracene	28.883	278	259874	3.884	ng	# 81
92) Benzo(g,h,i)perylene	30.036	276	1020177	15.502	ng	99

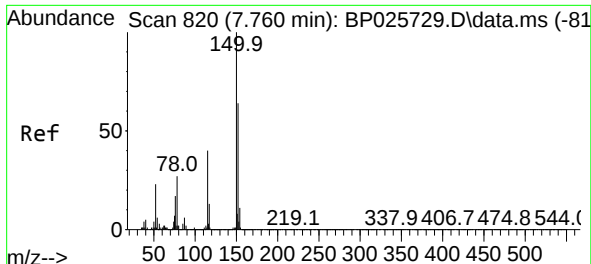
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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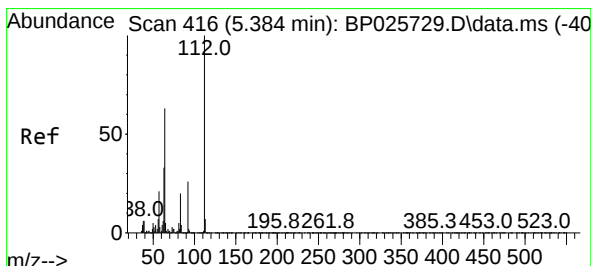
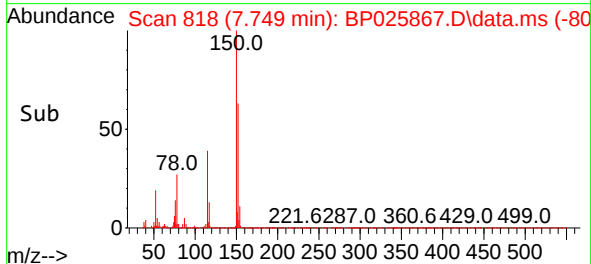
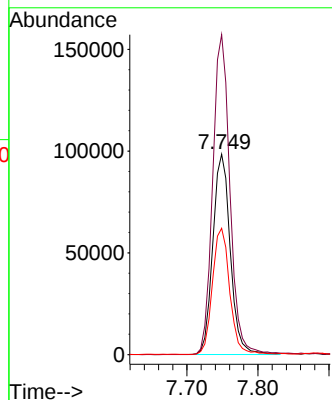
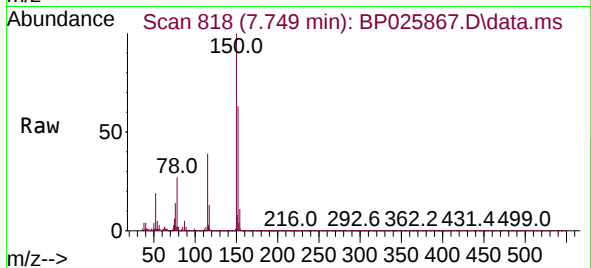




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

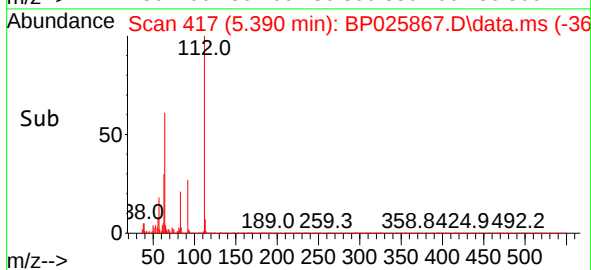
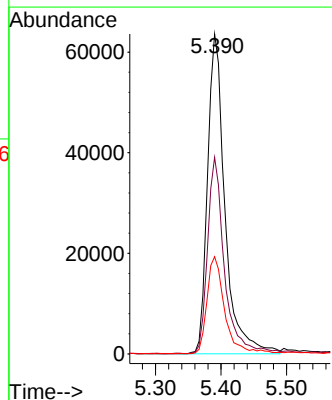
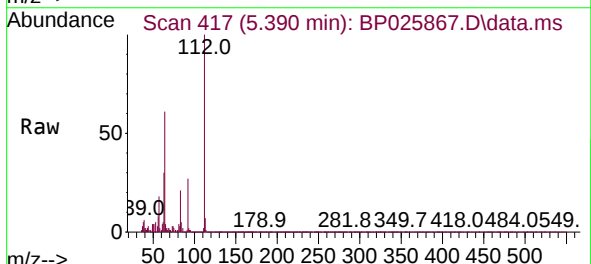
Instrument :
BNA_P
ClientSampleId :
RT4784

Tgt Ion:152 Resp: 168700
Ion Ratio Lower Upper
152 100
150 159.7 124.3 186.5
115 63.0 50.3 75.5



#5
2-Fluorophenol
Concen: 11.210 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion:112 Resp: 117204
Ion Ratio Lower Upper
112 100
64 61.4 50.2 75.4
63 30.4 26.7 40.1

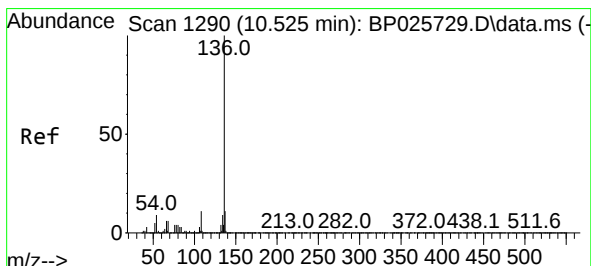
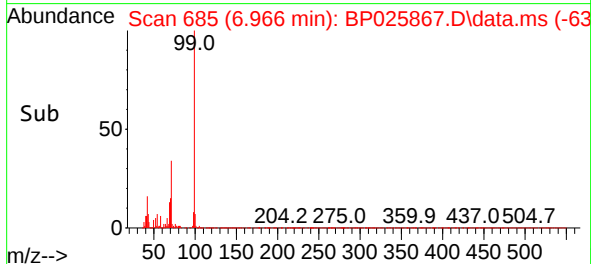
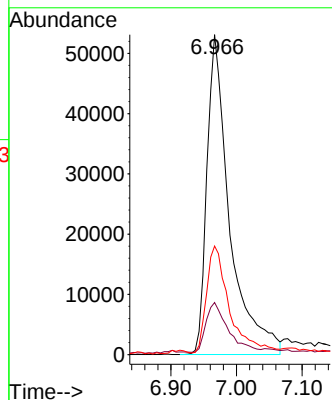
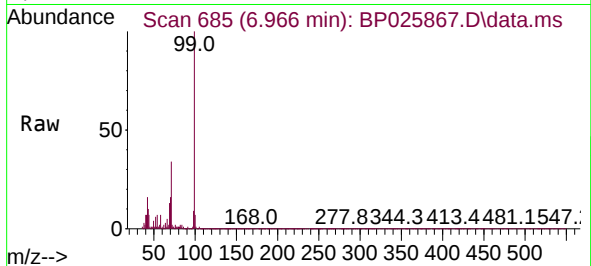




#7
Phenol-d6
Concen: 9.195 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.018 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

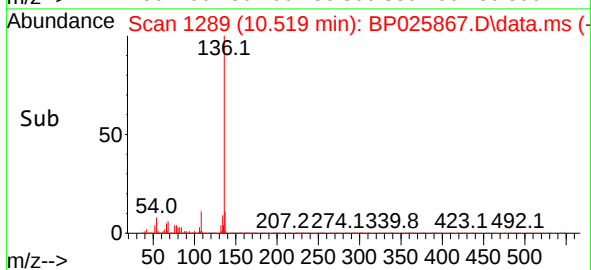
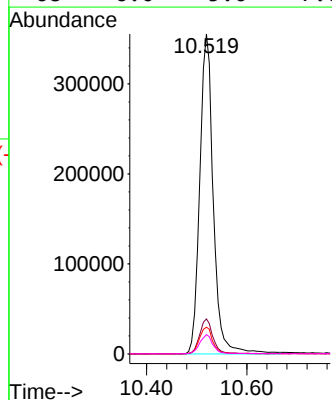
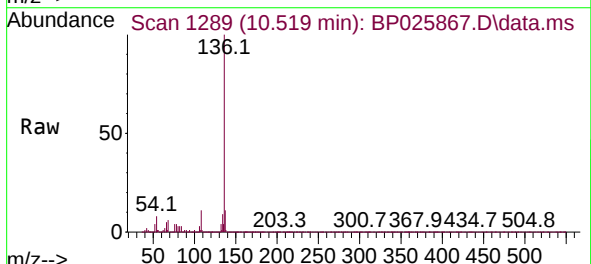
Instrument :
BNA_P
ClientSampleId :
RT4784

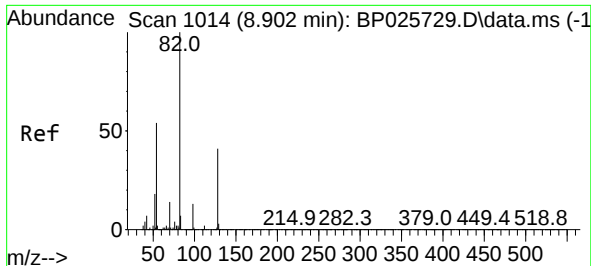
Tgt Ion: 99 Resp: 127782
Ion Ratio Lower Upper
99 100
42 16.3 15.6 23.4
71 33.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion: 136 Resp: 666294
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.3 7.5 11.3
68 6.0 5.0 7.6

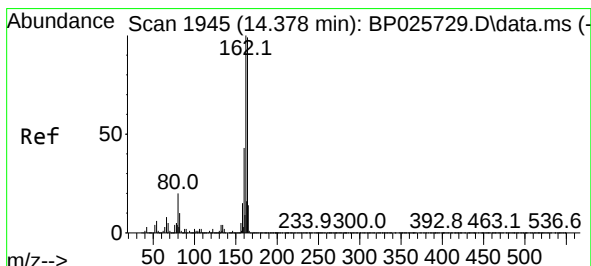
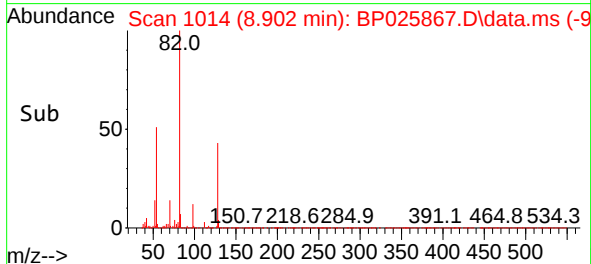
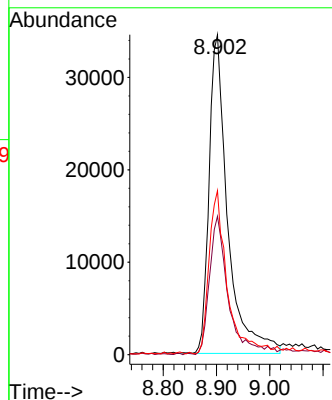
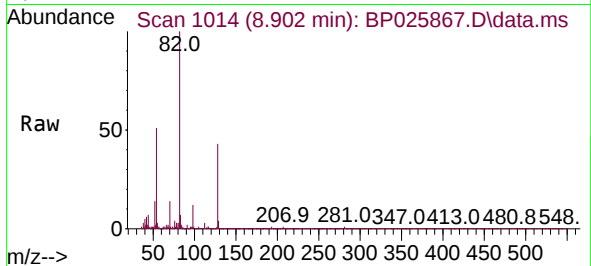




#23
Nitrobenzene-d5
Concen: 5.553 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

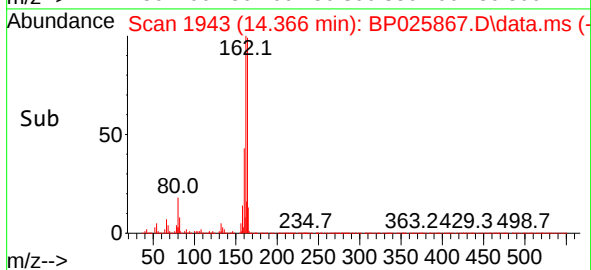
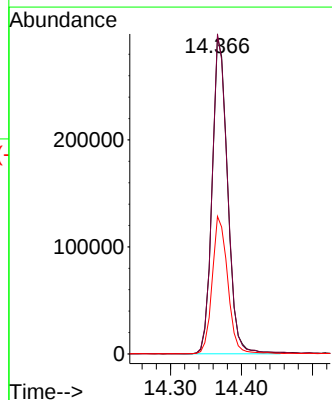
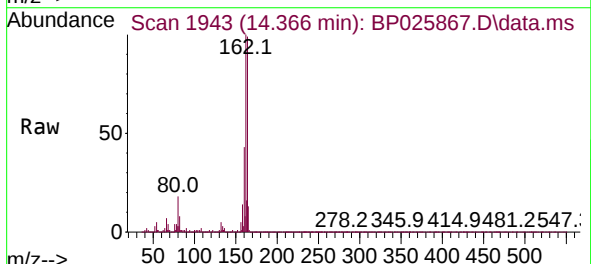
Instrument :
BNA_P
ClientSampleId :
RT4784

Tgt Ion: 82	Resp: 83884
Ion Ratio	Lower Upper
82	100
128	43.2 32.9 49.3
54	51.2 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025867.D
Acq: 25 Sep 2025 21:36

Tgt Ion: 164	Resp: 448032
Ion Ratio	Lower Upper
164	100
162	100.9 80.6 120.8
160	43.4 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 12.503 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

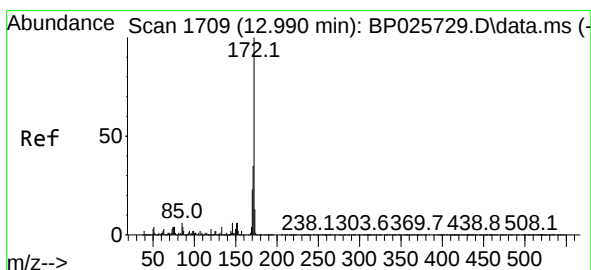
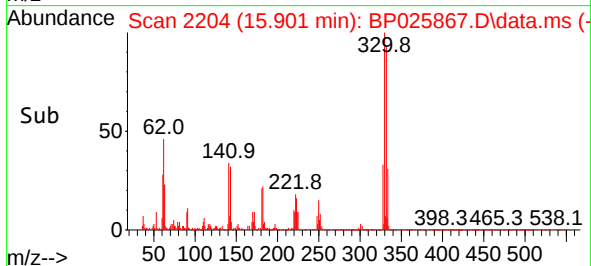
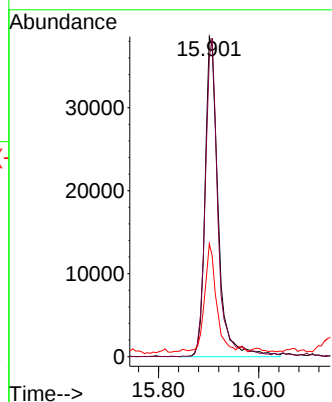
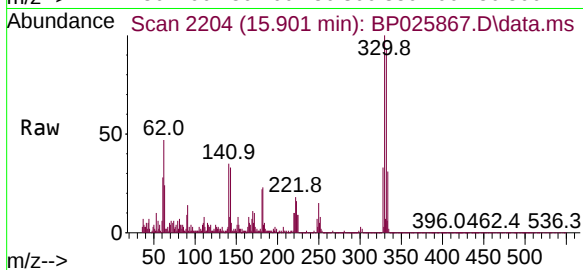
Tgt Ion:330 Resp: 69869

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 30.3 31.0 46.4#



#45

2-Fluorobiphenyl

Concen: 6.557 ng

RT: 12.978 min Scan# 1707

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

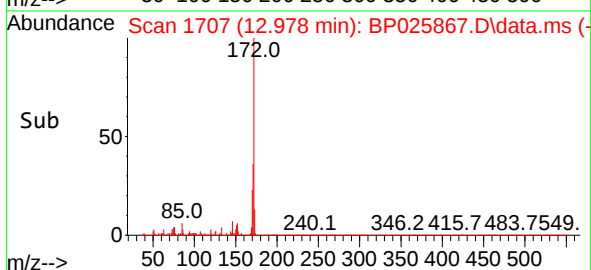
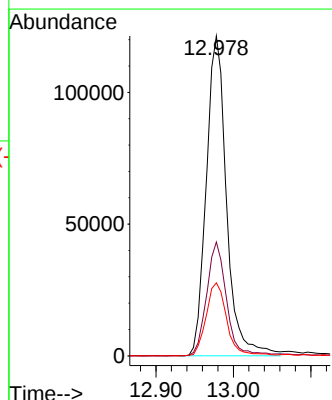
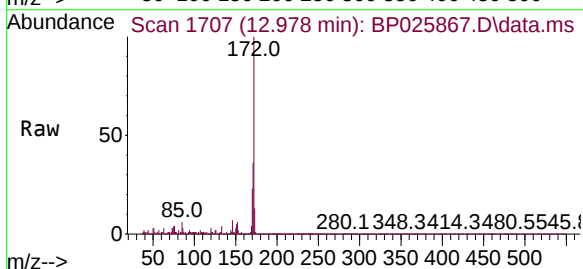
Tgt Ion:172 Resp: 220622

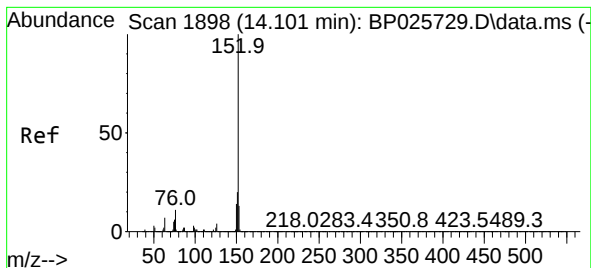
Ion Ratio Lower Upper

172 100

171 35.6 27.8 41.6

170 22.8 18.6 27.8





#49

Acenaphthylene

Concen: 6.665 ng

RT: 14.090 min Scan# 1896

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

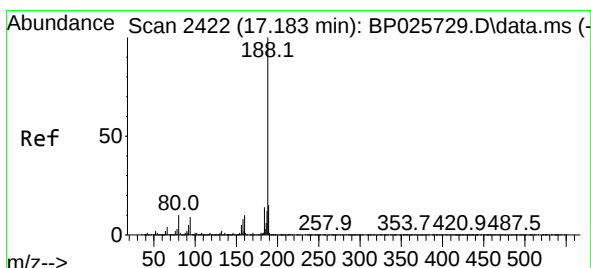
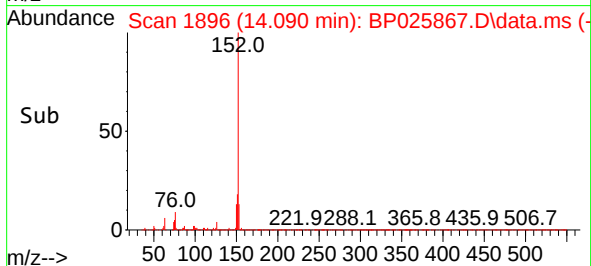
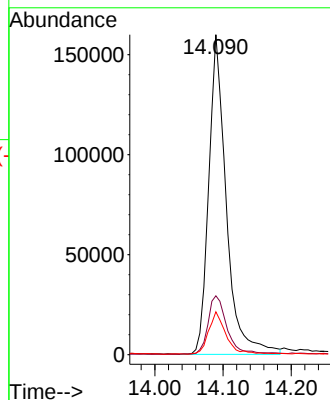
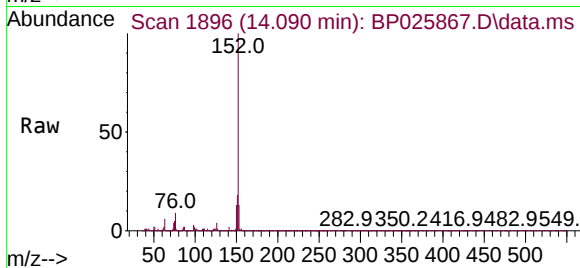
Tgt Ion:152 Resp: 285942

Ion Ratio Lower Upper

152 100

151 18.4 15.8 23.6

153 13.4 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.178 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

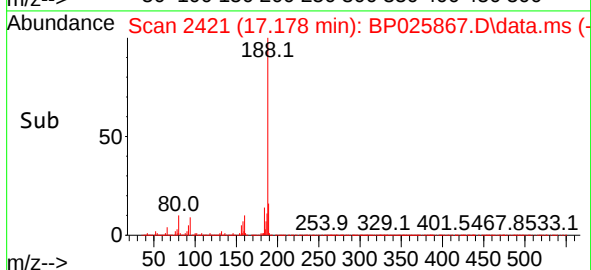
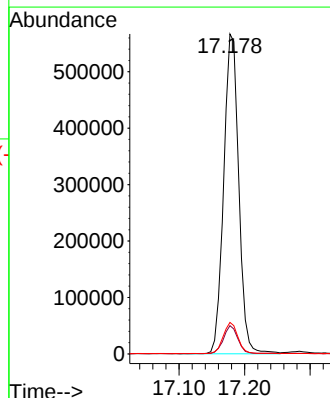
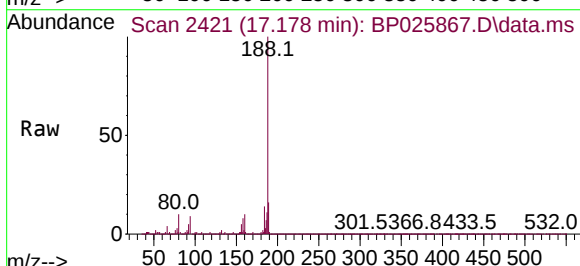
Tgt Ion:188 Resp: 906496

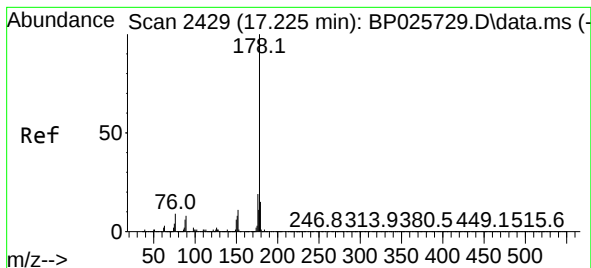
Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.0

80 9.8 7.7 11.5





#71

Phenanthrene

Concen: 16.575 ng

RT: 17.225 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

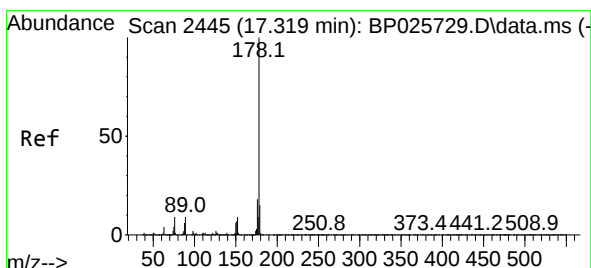
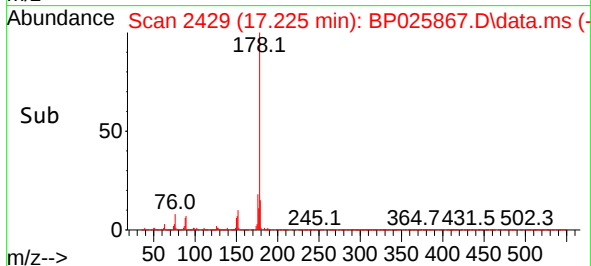
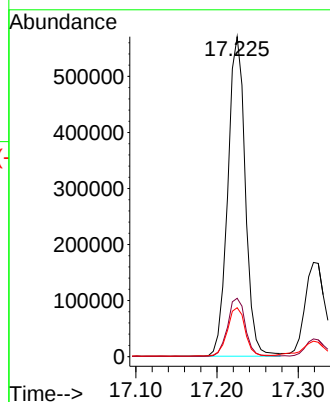
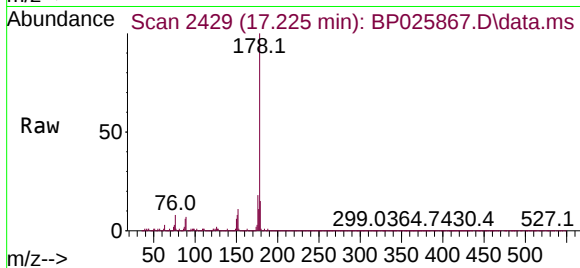
Tgt Ion:178 Resp: 852309

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 15.3 12.2 18.4



#72

Anthracene

Concen: 5.355 ng

RT: 17.319 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

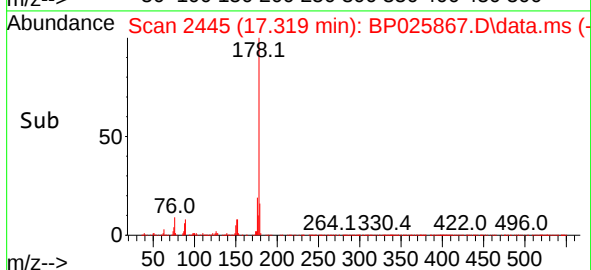
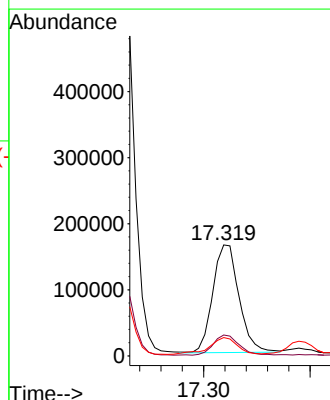
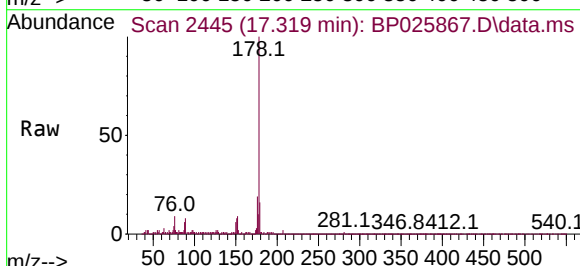
Tgt Ion:178 Resp: 279379

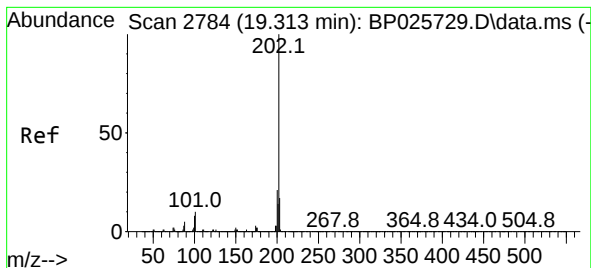
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 16.5 12.2 18.4





#75

Fluoranthene

Concen: 33.474 ng

RT: 19.313 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025867.D

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ClientSampleId :

RT4784

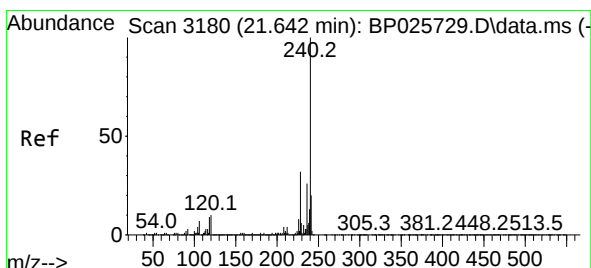
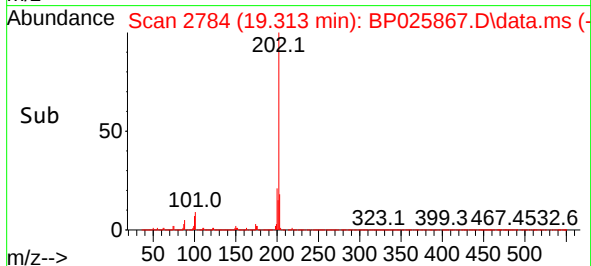
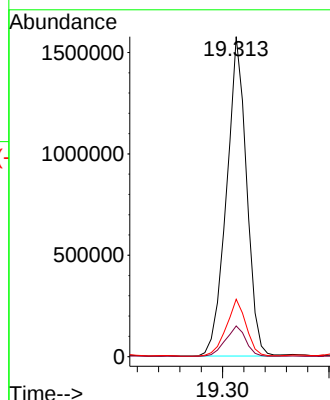
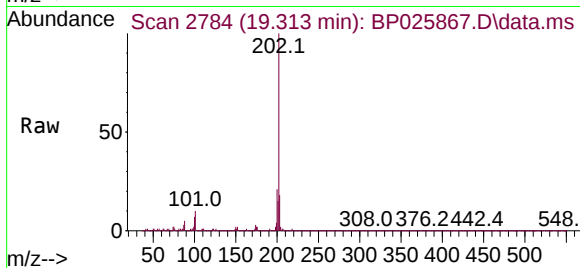
Tgt Ion:202 Resp: 2064378

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.4

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.624 min Scan# 3177

Delta R.T. -0.018 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

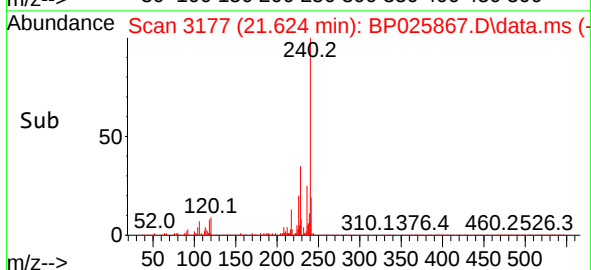
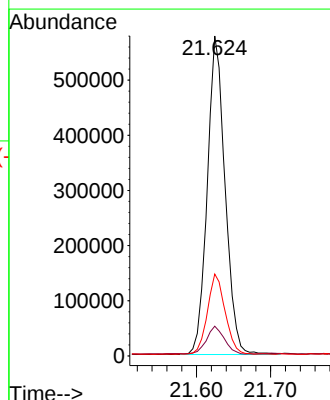
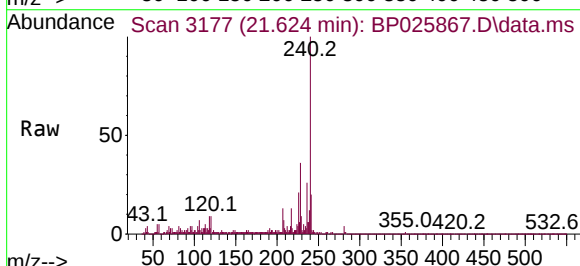
Tgt Ion:240 Resp: 964685

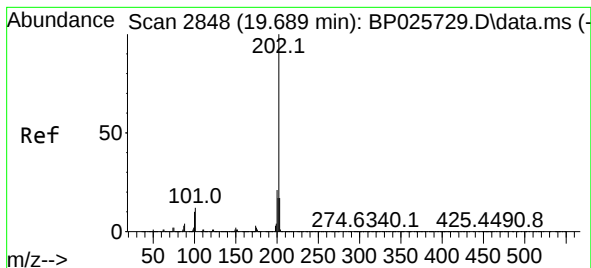
Ion Ratio Lower Upper

240 100

120 9.3 8.0 12.0

236 25.6 20.7 31.1





#78

Pyrene

Concen: 29.580 ng

RT: 19.689 min Scan# 2848

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

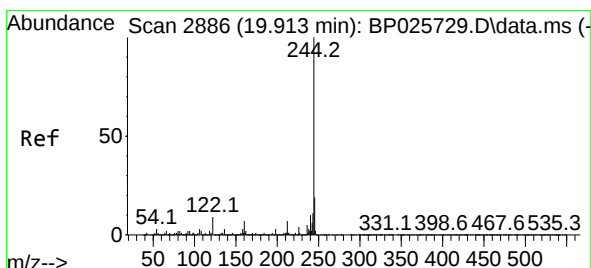
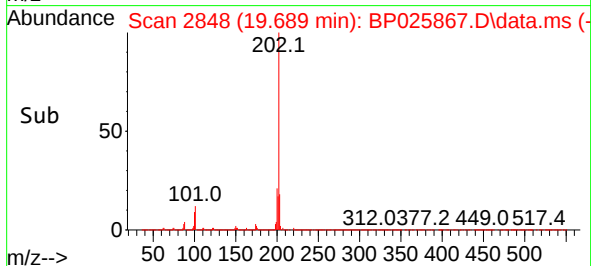
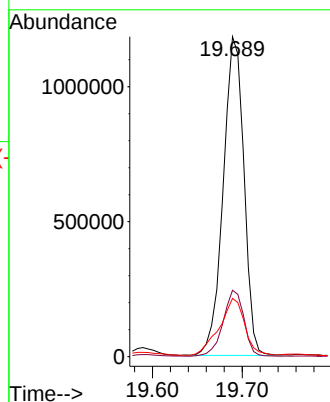
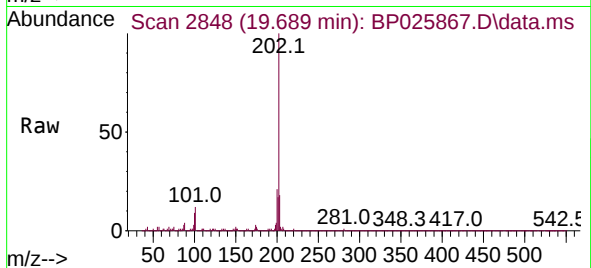
Tgt Ion:202 Resp: 1904003

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 18.2 13.9 20.9



#79

Terphenyl-d14

Concen: 6.951 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

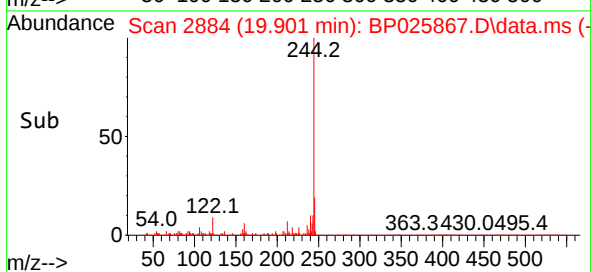
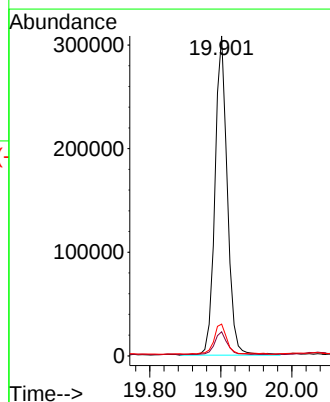
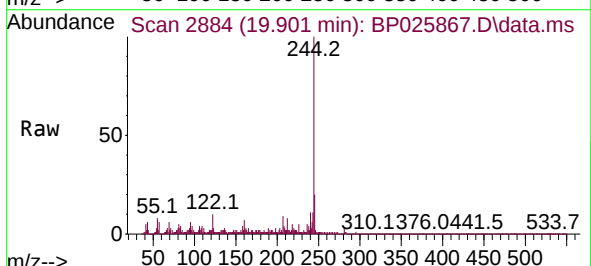
Tgt Ion:244 Resp: 372742

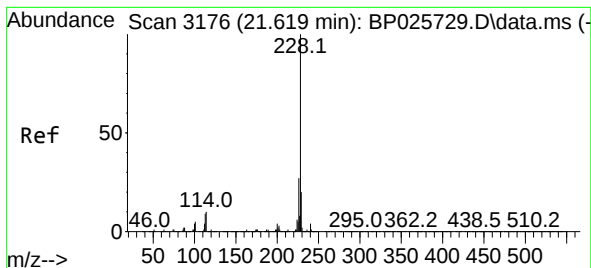
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 9.9 7.1 10.7





#81

Benzo(a)anthracene

Concen: 18.486 ng

RT: 21.607 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

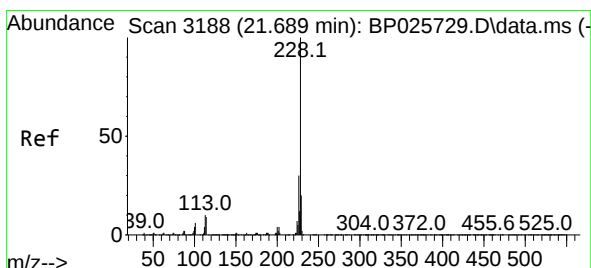
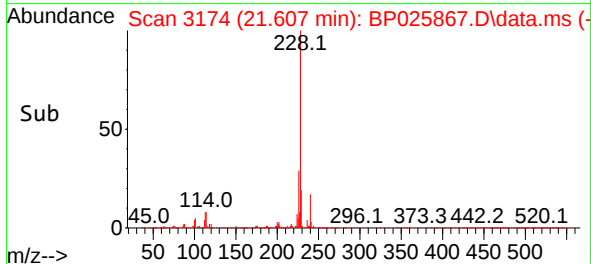
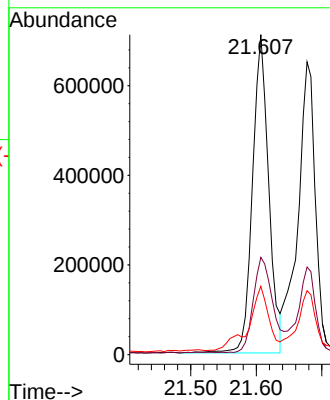
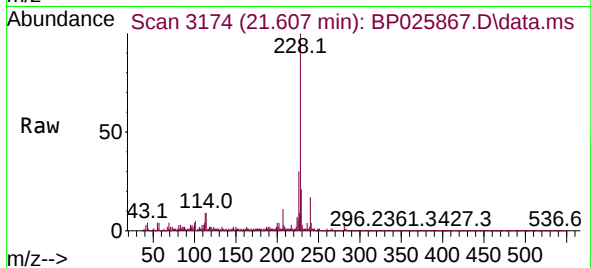
Tgt Ion:228 Resp: 1220878

Ion Ratio Lower Upper

228 100

226 30.4 21.6 32.4

229 21.3 15.7 23.5



#83

Chrysene

Concen: 19.136 ng

RT: 21.677 min Scan# 3186

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

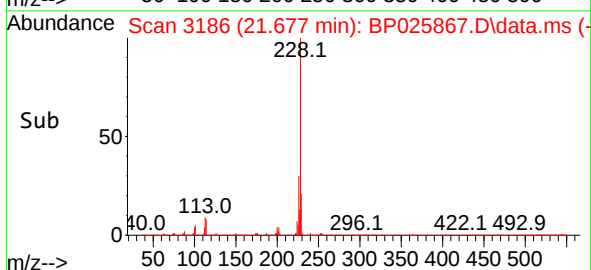
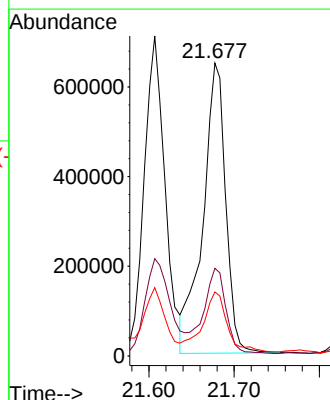
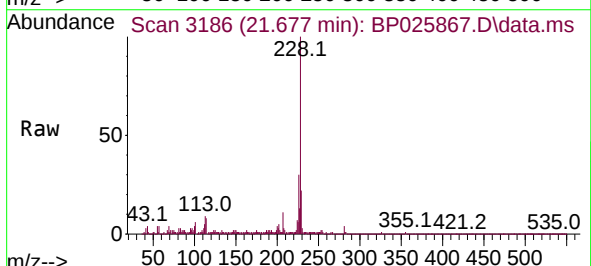
Tgt Ion:228 Resp: 1204716

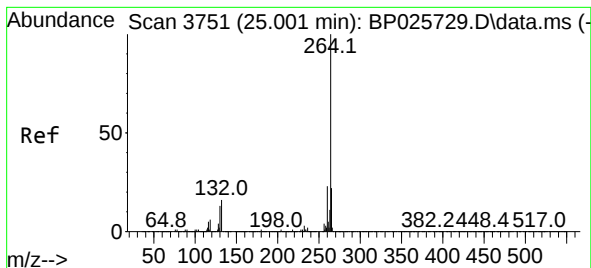
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

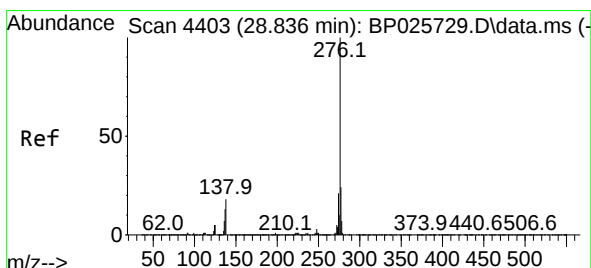
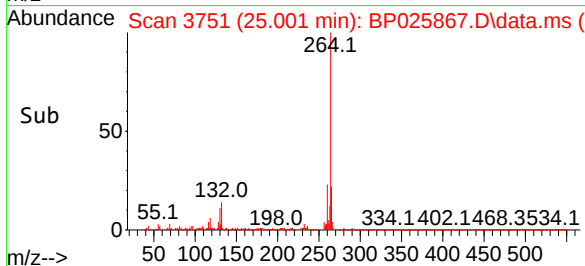
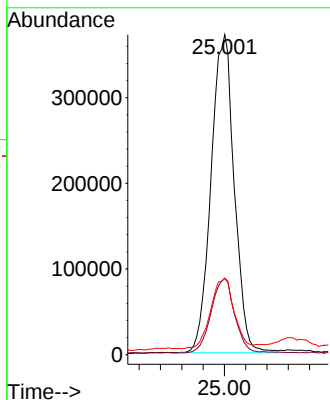
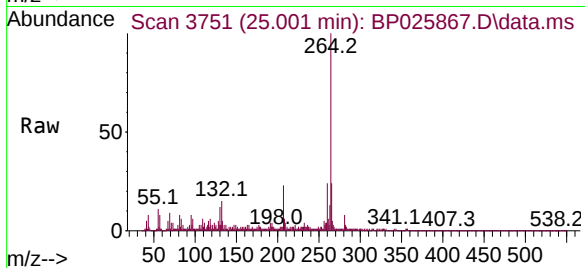
Tgt Ion:264 Resp: 1124463

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 23.9 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.114 ng

RT: 28.842 min Scan# 4404

Delta R.T. 0.006 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

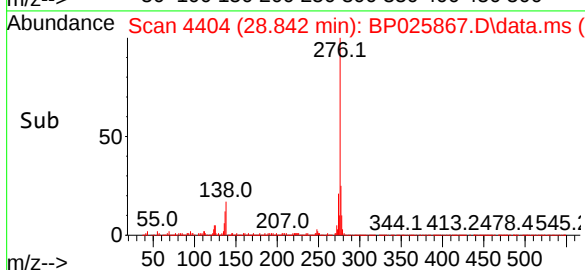
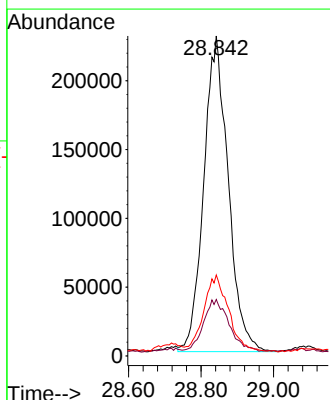
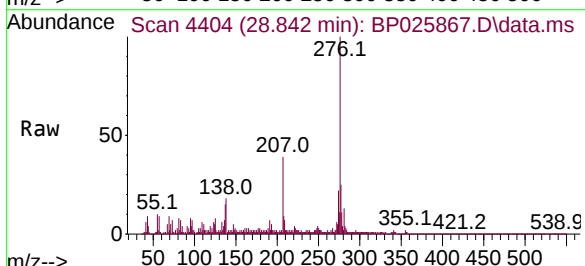
Tgt Ion:276 Resp: 1072361

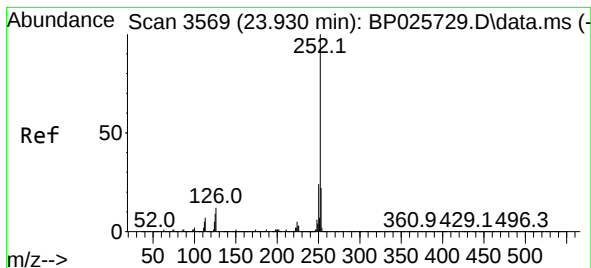
Ion Ratio Lower Upper

276 100

138 17.1 13.4 20.2

277 24.3 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 27.672 ng

RT: 23.930 min Scan# 3569

Delta R.T. 0.000 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

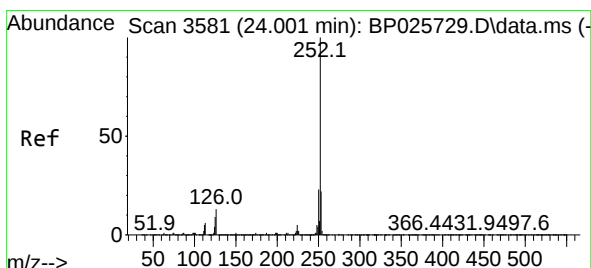
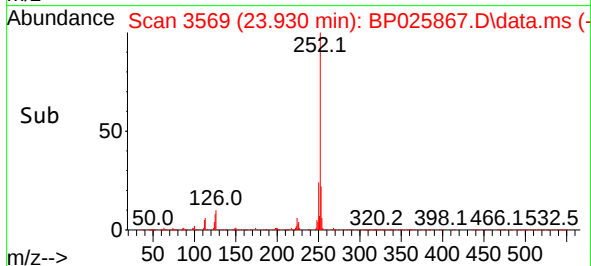
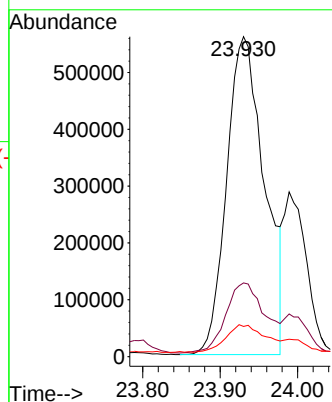
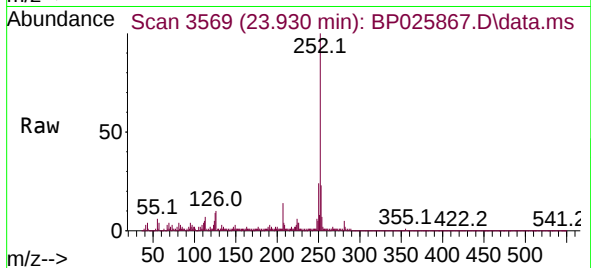
Tgt Ion:252 Resp: 1902798

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 9.4 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 8.250 ng m

RT: 23.989 min Scan# 3579

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

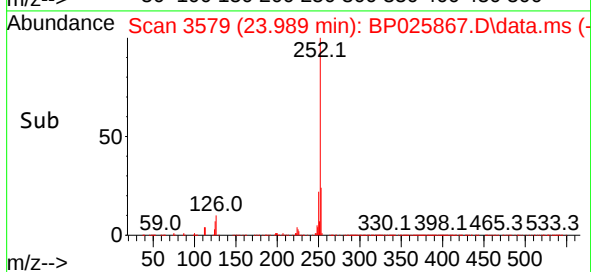
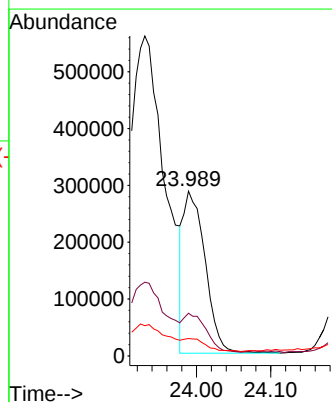
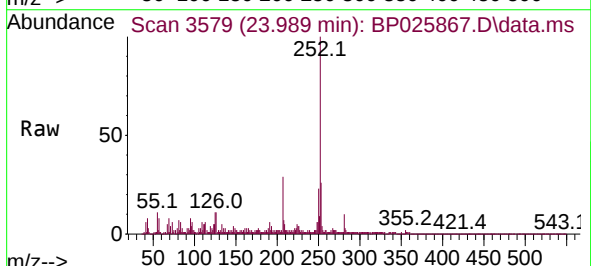
Tgt Ion:252 Resp: 578871

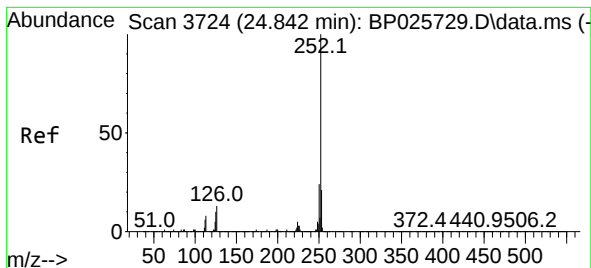
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 10.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 19.968 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784

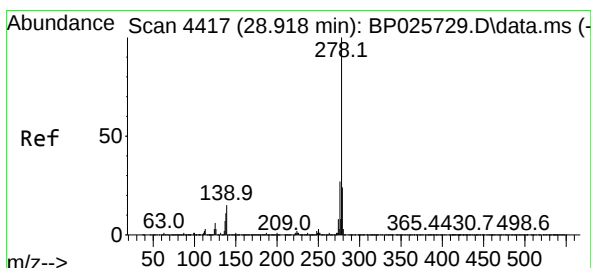
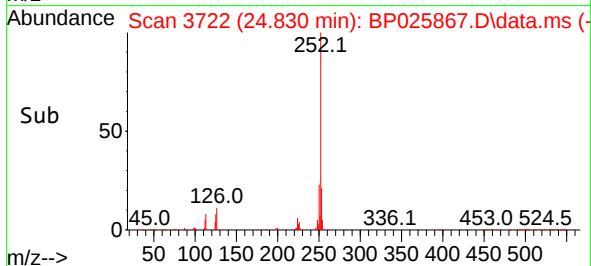
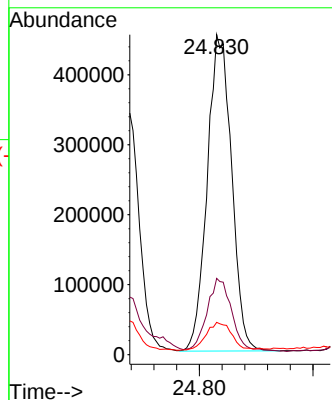
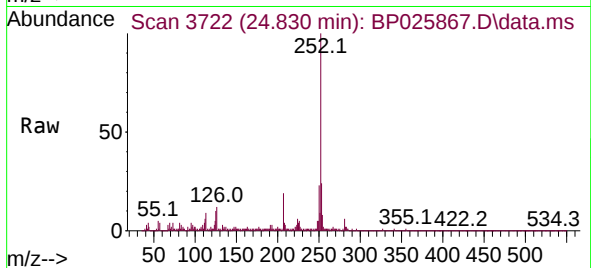
Tgt Ion:252 Resp: 1344634

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 10.1 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 3.884 ng

RT: 28.883 min Scan# 4411

Delta R.T. -0.035 min

Lab File: BP025867.D

Acq: 25 Sep 2025 21:36

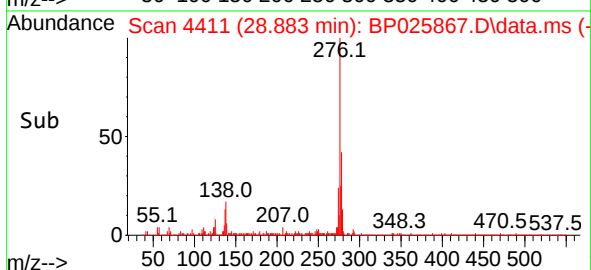
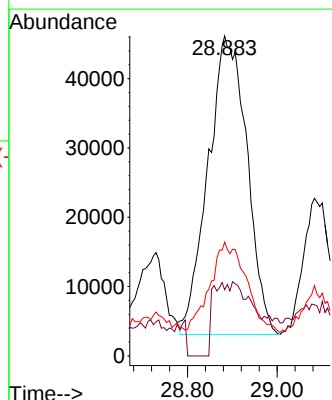
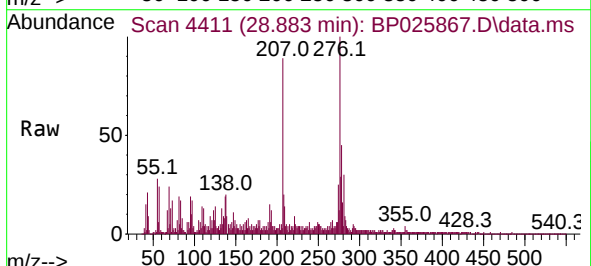
Tgt Ion:278 Resp: 259874

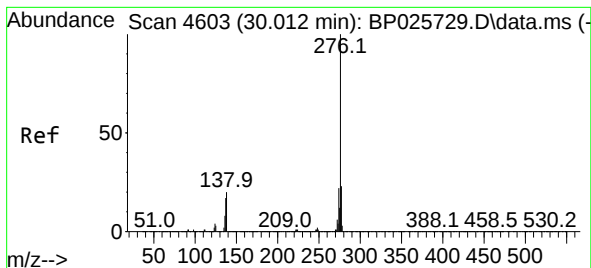
Ion Ratio Lower Upper

278 100

139 20.7 12.1 18.1#

279 35.5 19.6 29.4#





#92

Benzo(g,h,i)perylene

Concen: 15.502 ng

RT: 30.036 min Scan# 4607

Delta R.T. 0.024 min

Lab File: BP025867.D

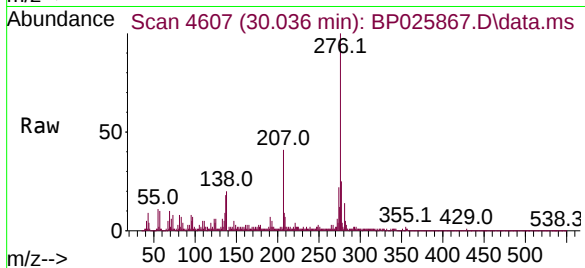
Acq: 25 Sep 2025 21:36

Instrument :

BNA_P

ClientSampleId :

RT4784



Tgt Ion:276 Resp: 1020177

Ion Ratio Lower Upper

276 100

277 24.5 18.7 28.1

138 19.8 16.0 24.0

