

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025886.D
 Acq On : 29 Sep 2025 18:30
 Operator : CG/JU
 Sample : Q3231-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Quant Time: Sep 30 05:08:01 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)

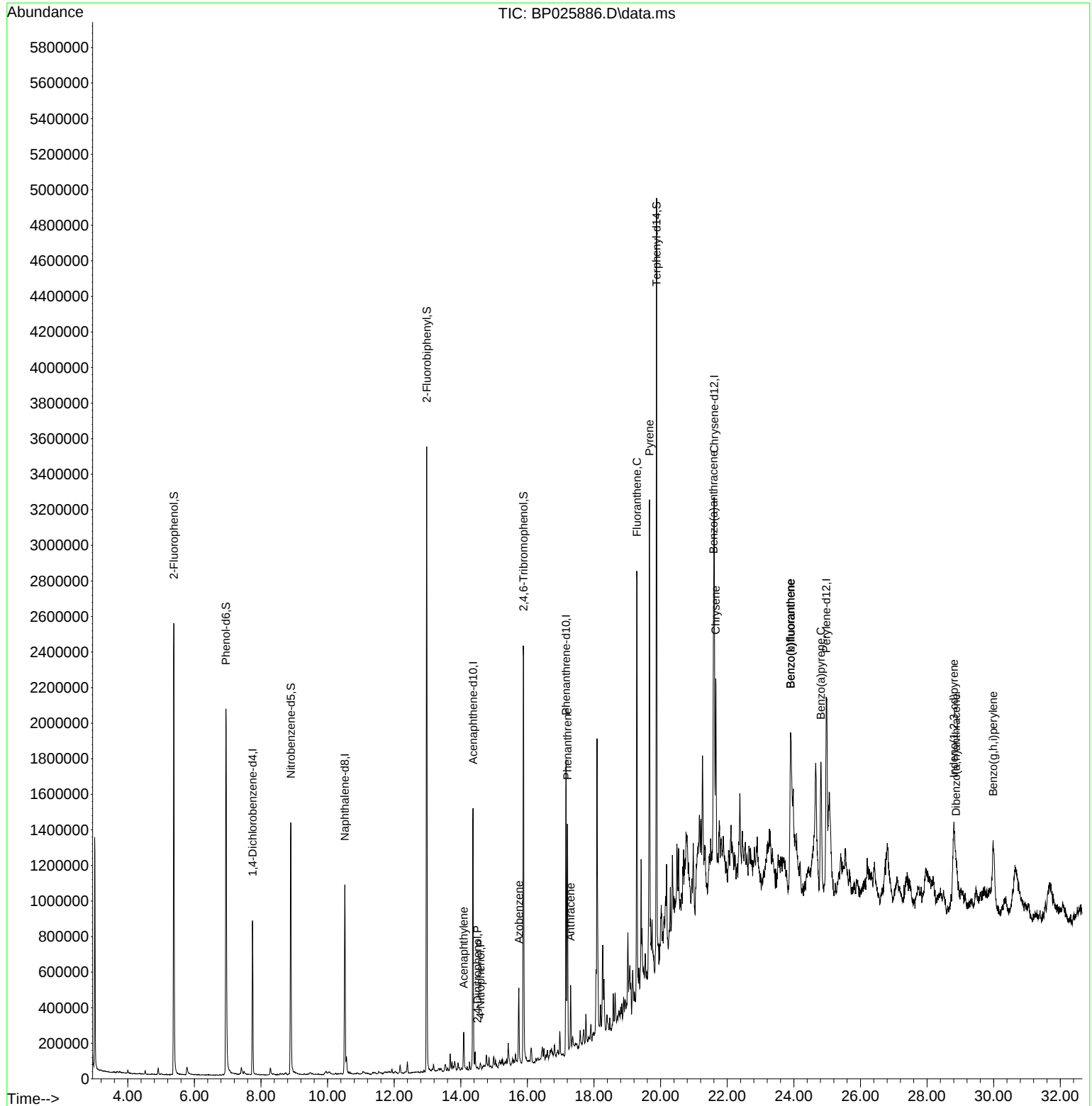
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	246306	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	926810	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	561069	20.000	ng	-0.01
64) Phenanthrene-d10	17.160	188	1005490	20.000	ng	-0.02
76) Chrysene-d12	21.607	240	996700	20.000	ng	-0.04
86) Perylene-d12	24.971	264	1142230	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1181086	77.373	ng	0.00
7) Phenol-d6	6.949	99	1469005	72.401	ng	0.00
23) Nitrobenzene-d5	8.896	82	927363	44.137	ng	0.00
42) 2,4,6-Tribromophenol	15.884	330	545758	77.985	ng	-0.02
45) 2-Fluorobiphenyl	12.978	172	2002134	47.514	ng	-0.01
79) Terphenyl-d14	19.878	244	2366794	42.719	ng	-0.04
Target Compounds						
						Qvalue
49) Acenaphthylene	14.090	152	181936	3.386	ng	98
54) 2,4-Dinitrophenol	14.495	184	41	4.831	ng	# 1
56) 4-Nitrophenol	14.590	139	1369	4.639	ng	95
63) Azobenzene	15.742	77	125128	2.978	ng	# 1
71) Phenanthrene	17.201	178	887511	15.560	ng	99
72) Anthracene	17.295	178	257347	4.447	ng	99
75) Fluoranthene	19.289	202	1502850	21.970	ng	98
78) Pyrene	19.666	202	1744726	26.235	ng	99
81) Benzo(a)anthracene	21.589	228	877206	12.856	ng	94
83) Chrysene	21.654	228	863450	13.274	ng	98
87) Indeno(1,2,3-cd)pyrene	28.806	276	634250	7.636	ng	# 83
88) Benzo(b)fluoranthene	23.901	252	1088579	15.585	ng	# 97
89) Benzo(k)fluoranthene	23.901	252	1088579	15.273	ng	97
90) Benzo(a)pyrene	24.807	252	863210	12.619	ng	95
91) Dibenzo(a,h)anthracene	28.865	278	156974	2.309	ng	# 83
92) Benzo(g,h,i)perylene	29.983	276	657675	9.838	ng	97

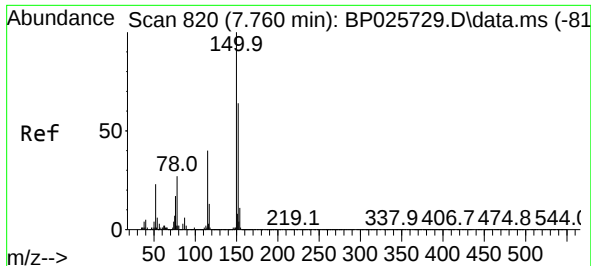
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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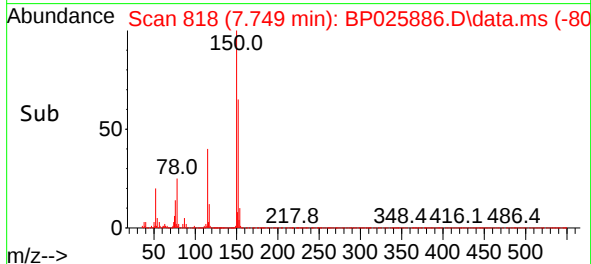
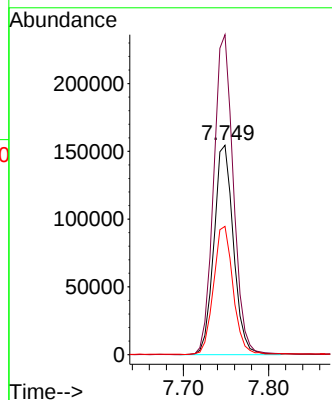
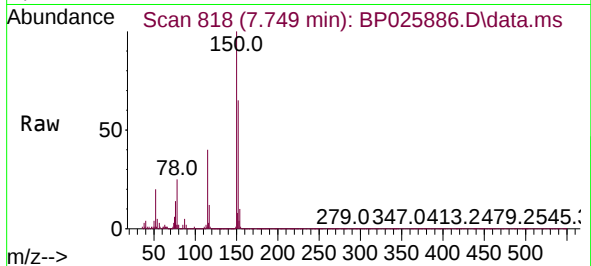




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.749 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BP025886.D
 Acq: 29 Sep 2025 18:30

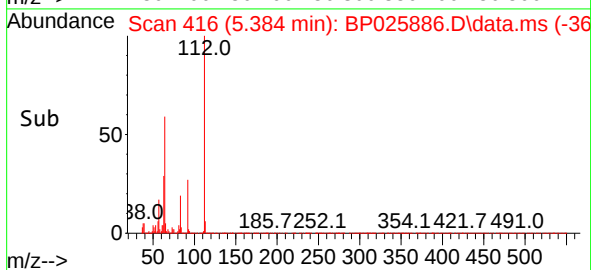
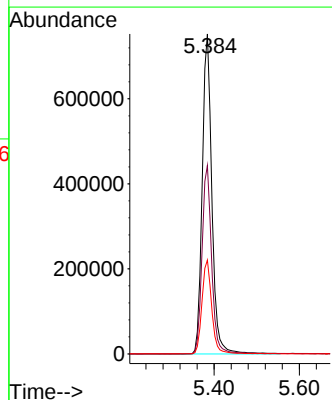
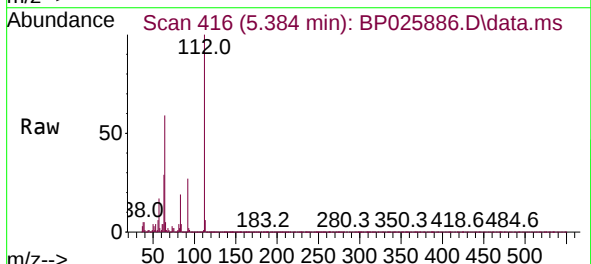
Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Tgt Ion:152 Resp: 246306
 Ion Ratio Lower Upper
 152 100
 150 152.9 124.3 186.5
 115 61.2 50.3 75.5



#5
 2-Fluorophenol
 Concen: 77.373 ng
 RT: 5.384 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BP025886.D
 Acq: 29 Sep 2025 18:30

Tgt Ion:112 Resp: 1181086
 Ion Ratio Lower Upper
 112 100
 64 58.9 50.2 75.4
 63 29.3 26.7 40.1

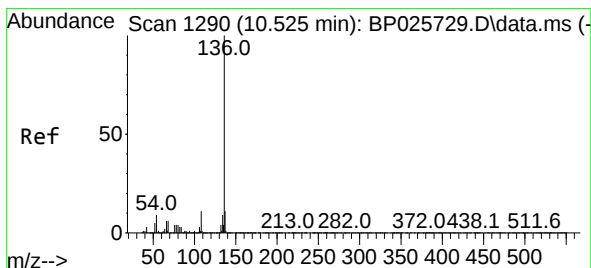
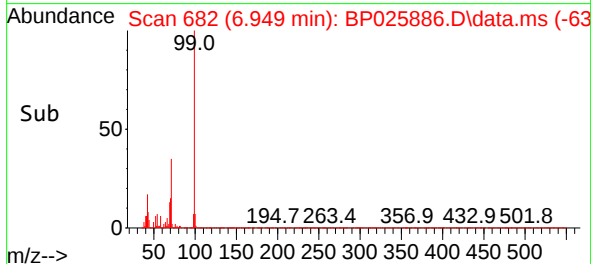
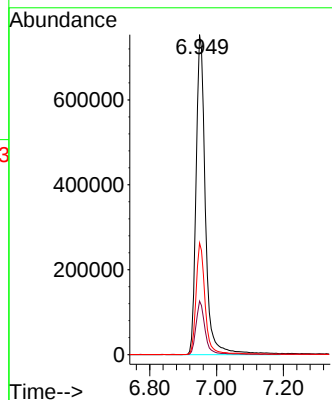
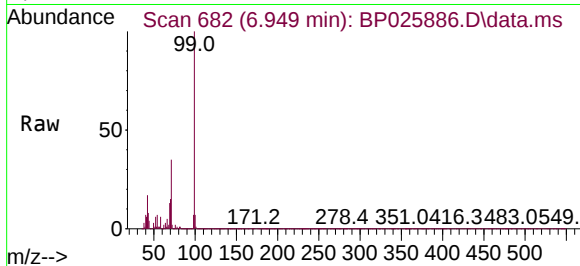




#7
Phenol-d6
Concen: 72.401 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

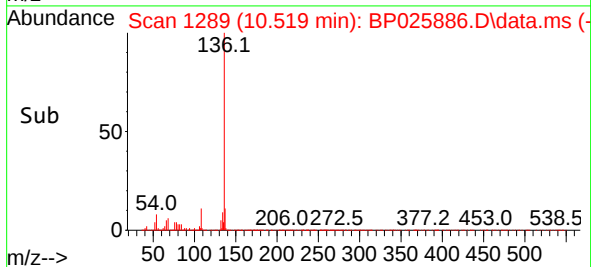
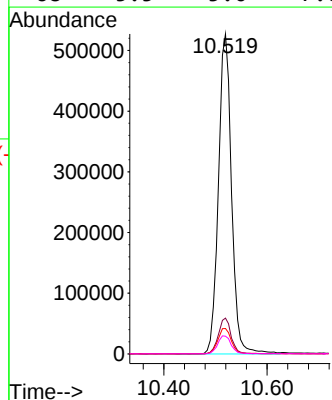
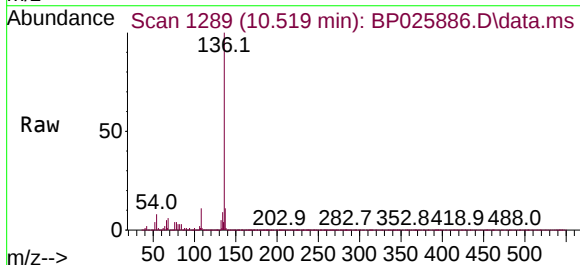
Instrument :
BNA_P
ClientSampleId :
WC-1

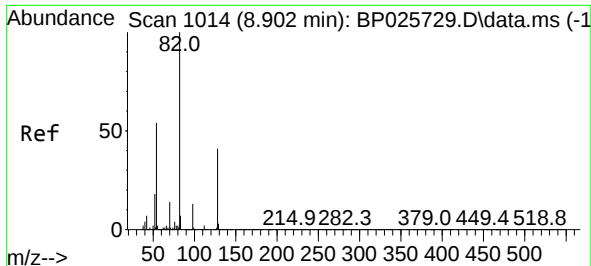
Tgt Ion: 99 Resp: 1469005
Ion Ratio Lower Upper
99 100
42 16.7 15.6 23.4
71 34.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

Tgt Ion:136 Resp: 926810
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.9 7.5 11.3
68 5.5 5.0 7.6



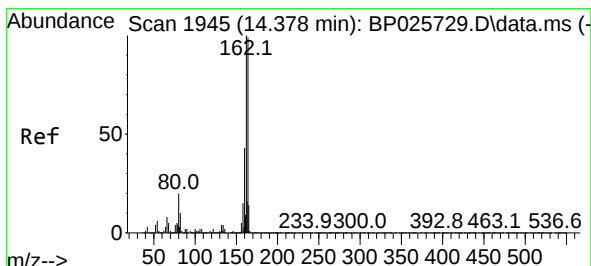
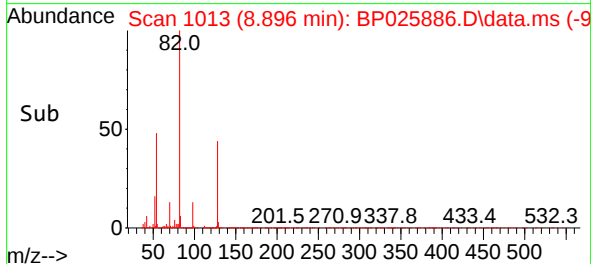
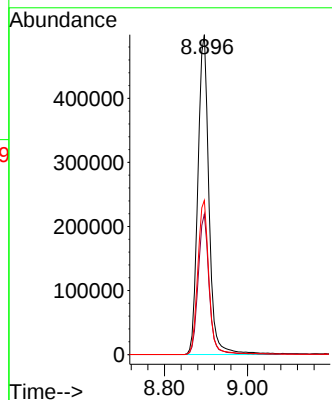
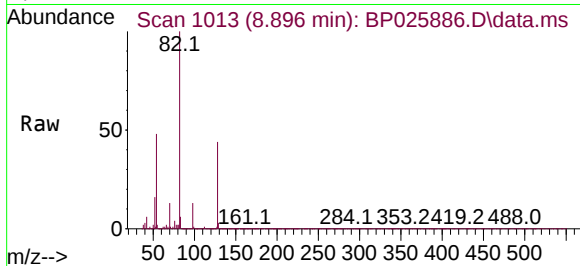


#23
Nitrobenzene-d5
Concen: 44.137 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

Instrument :
BNA_P
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 927363

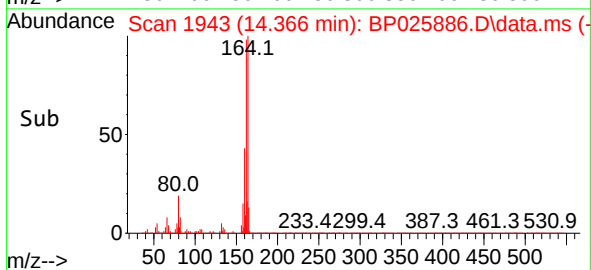
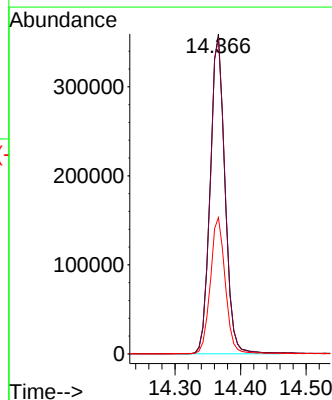
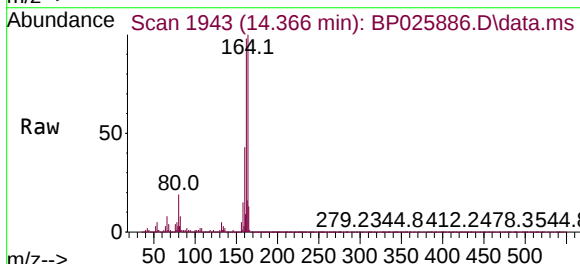
Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.9	49.3
54	48.2	43.4	65.2

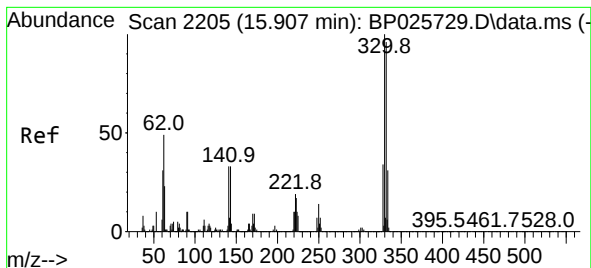


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

Tgt Ion: 164 Resp: 561069

Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.6	120.8
160	42.6	35.0	52.6





#42

2,4,6-Tribromophenol

Concen: 77.985 ng

RT: 15.884 min Scan# 2205

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

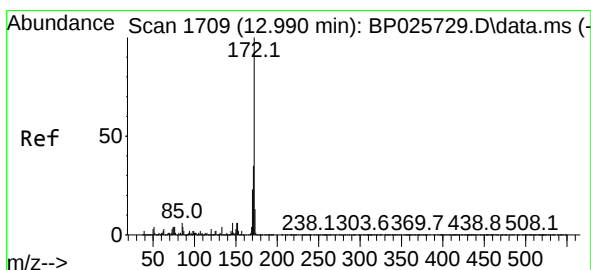
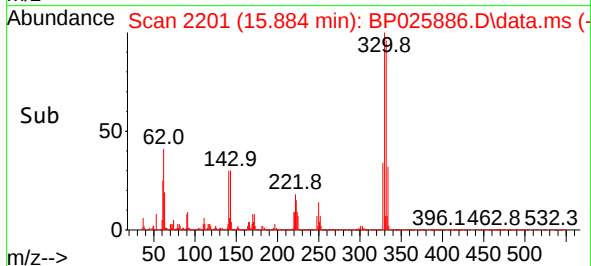
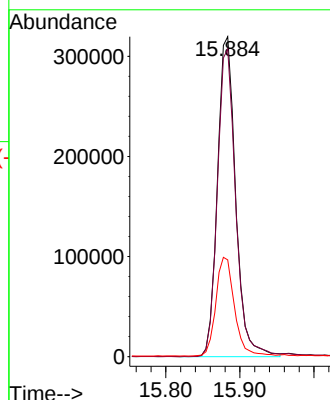
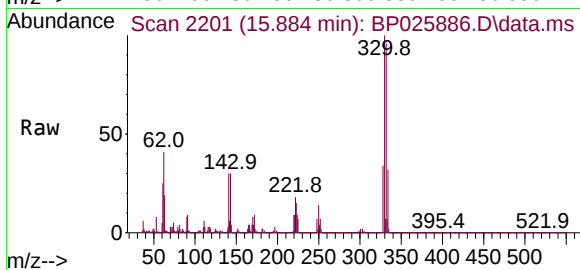
Tgt Ion:330 Resp: 545758

Ion Ratio Lower Upper

330 100

332 97.9 76.9 115.3

141 31.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 47.514 ng

RT: 12.978 min Scan# 1707

Delta R.T. -0.012 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

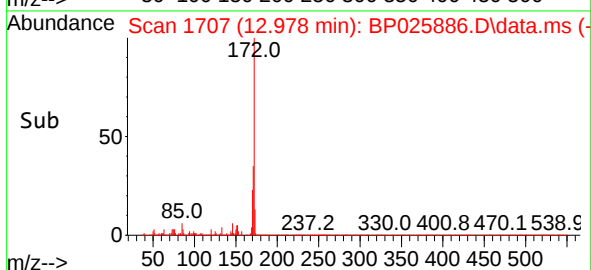
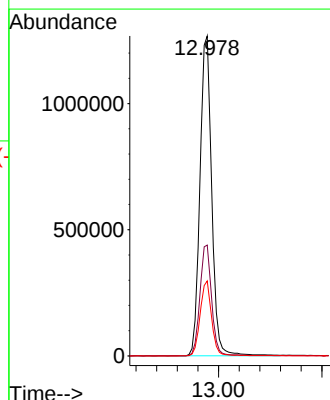
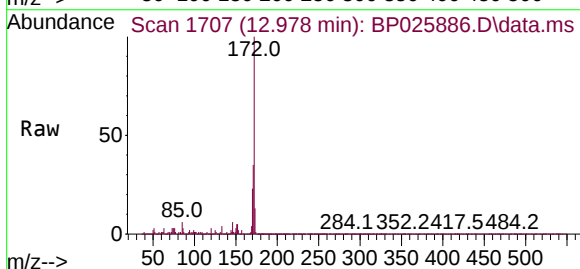
Tgt Ion:172 Resp: 2002134

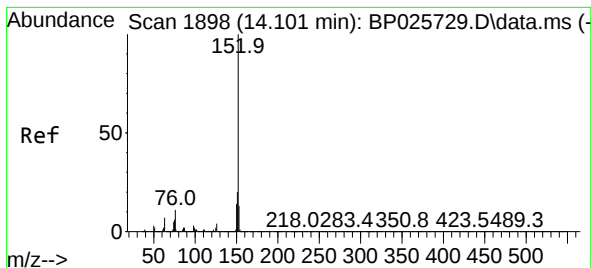
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.4 18.6 27.8





#49

Acenaphthylene

Concen: 3.386 ng

RT: 14.090 min Scan# 1898

Delta R.T. -0.012 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

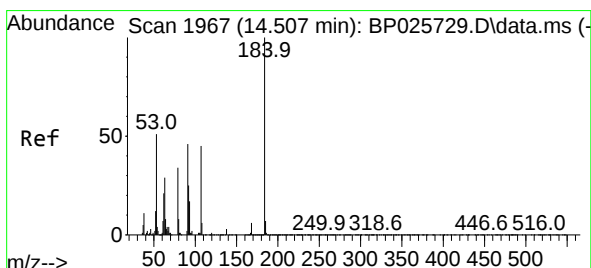
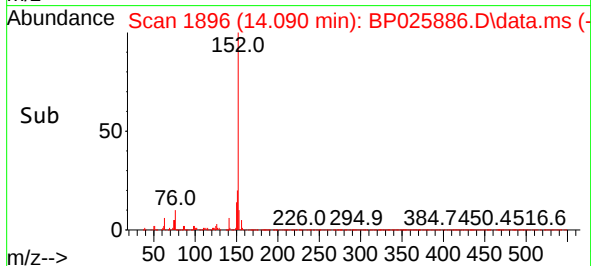
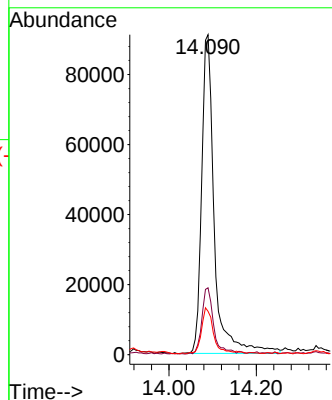
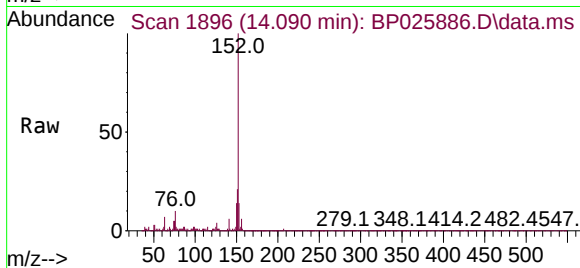
Tgt Ion:152 Resp: 181936

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.6

153 13.5 10.5 15.7



#54

2,4-Dinitrophenol

Concen: 4.831 ng

RT: 14.495 min Scan# 1965

Delta R.T. -0.012 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

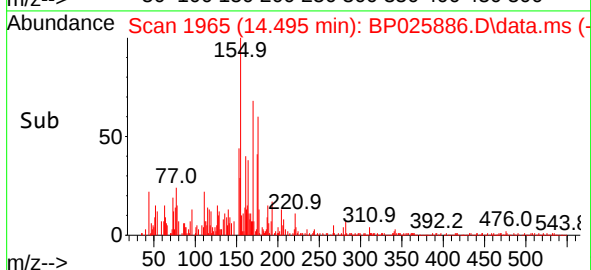
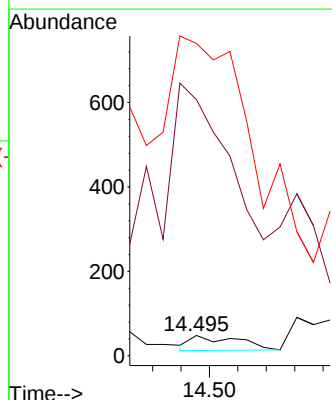
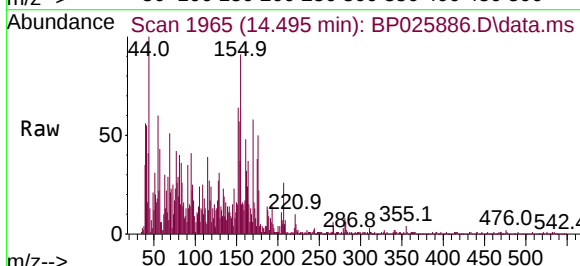
Tgt Ion:184 Resp: 41

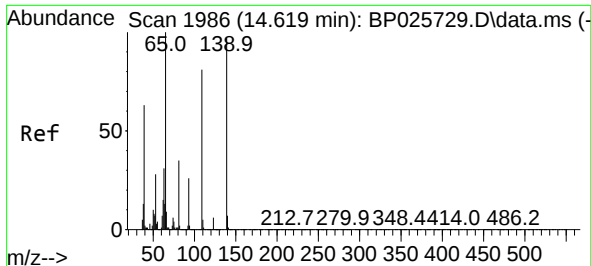
Ion Ratio Lower Upper

184 100

63 1264.6 52.5 78.7#

154 1541.7 51.5 77.3#

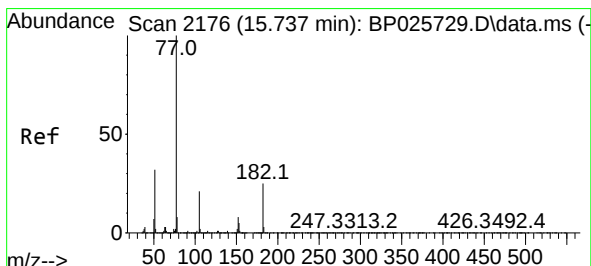
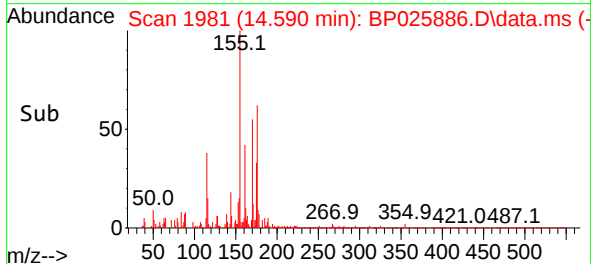
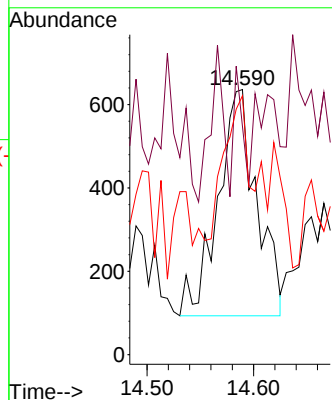
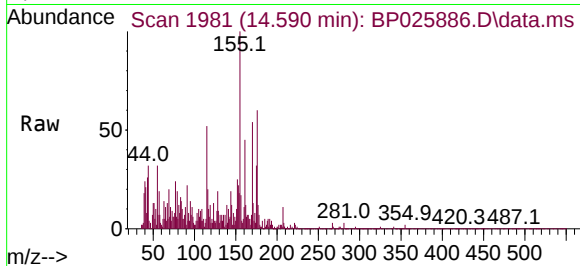




#56
4-Nitrophenol
Concen: 4.639 ng
RT: 14.590 min Scan# 1986
Delta R.T. -0.029 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

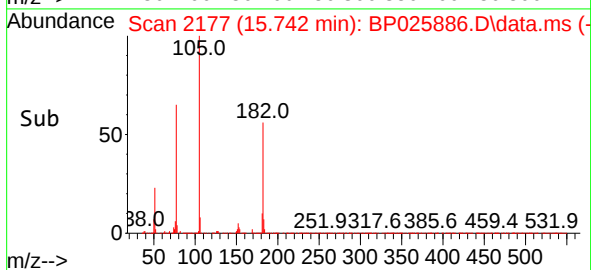
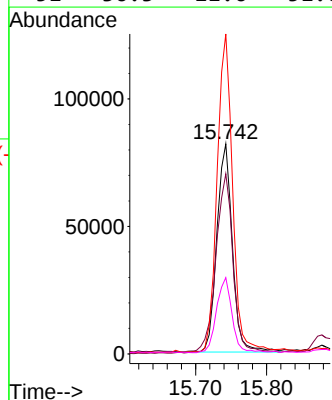
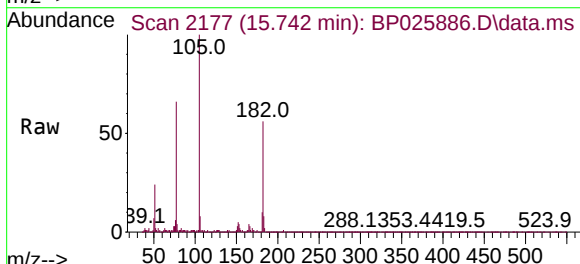
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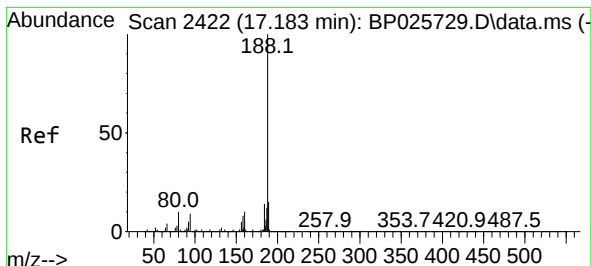
Tgt Ion:139 Resp: 1369
Ion Ratio Lower Upper
139 100
109 86.2 62.9 102.9
65 97.6 83.4 123.4



#63
Azobenzene
Concen: 2.978 ng
RT: 15.742 min Scan# 2177
Delta R.T. 0.006 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

Tgt Ion: 77 Resp: 125128
Ion Ratio Lower Upper
77 100
182 85.8 5.2 45.2#
105 152.4 1.1 41.1#
51 36.3 11.6 51.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.160 min Scan# 2418

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

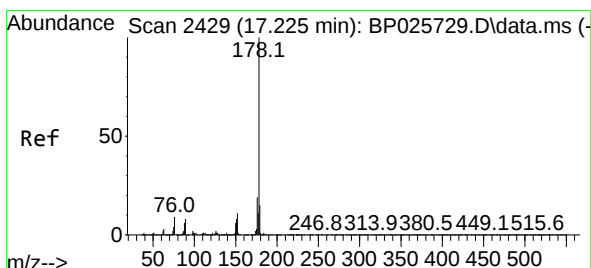
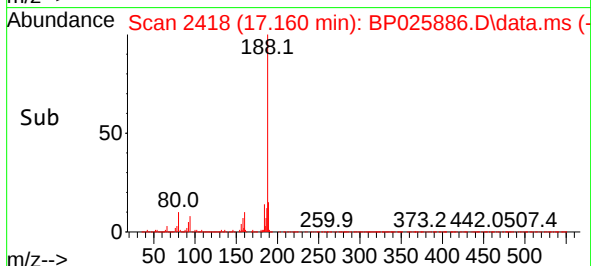
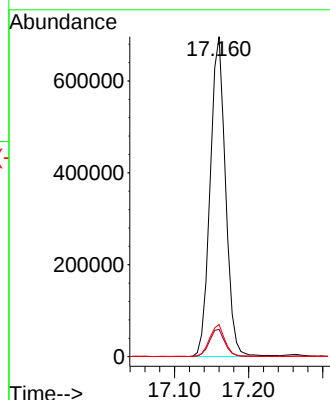
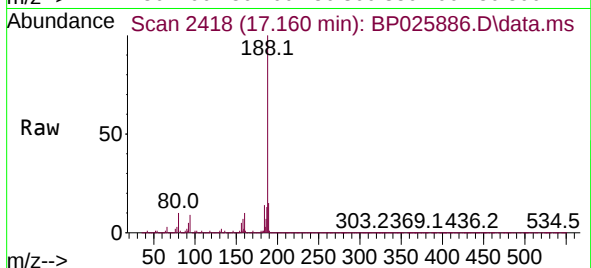
Tgt Ion:188 Resp: 1005490

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.0

80 10.0 7.7 11.5



#71

Phenanthrene

Concen: 15.560 ng

RT: 17.201 min Scan# 2425

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

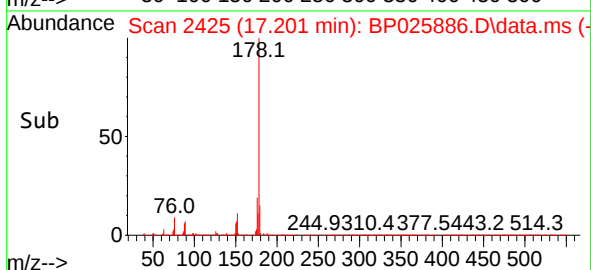
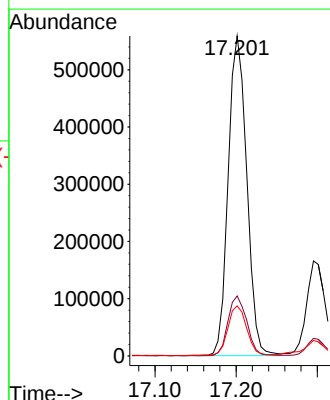
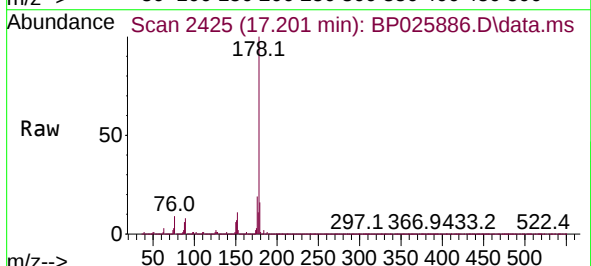
Tgt Ion:178 Resp: 887511

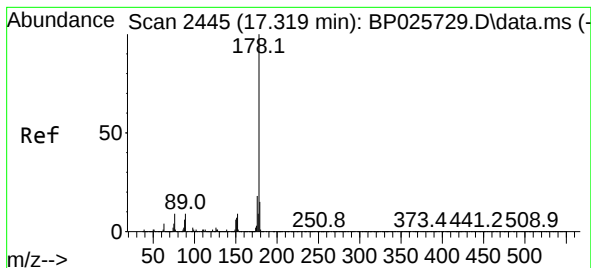
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.6 12.2 18.4





#72

Anthracene

Concen: 4.447 ng

RT: 17.295 min Scan# 2445

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

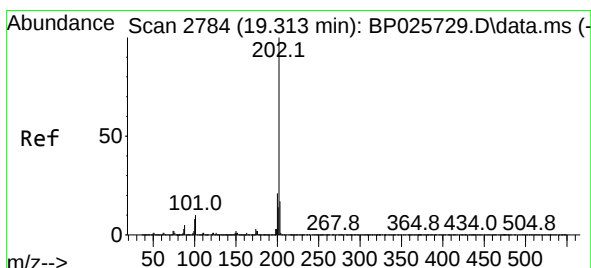
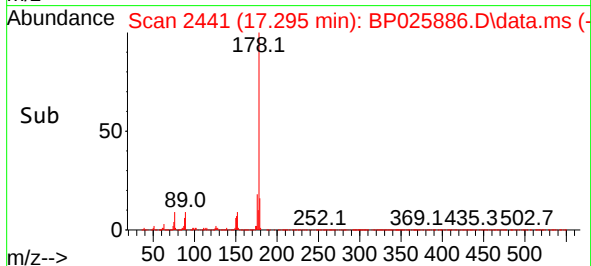
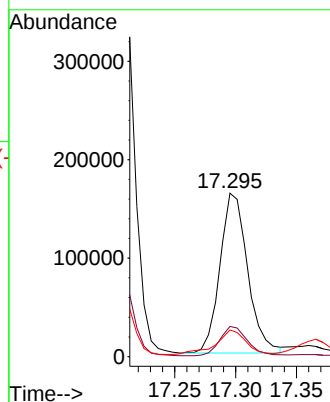
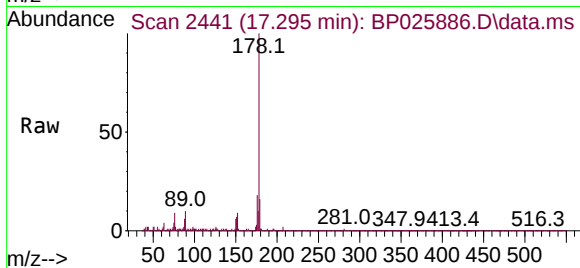
Tgt Ion:178 Resp: 257347

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 16.3 12.2 18.4



#75

Fluoranthene

Concen: 21.970 ng

RT: 19.289 min Scan# 2780

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

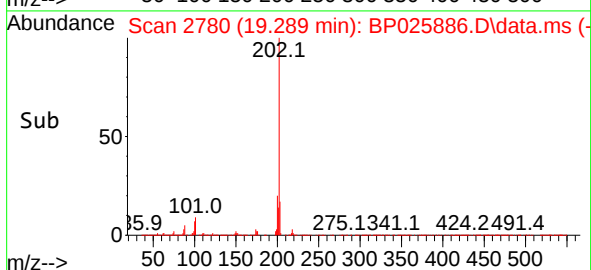
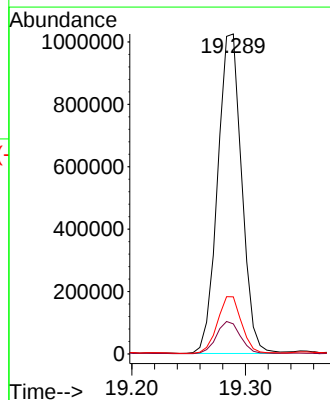
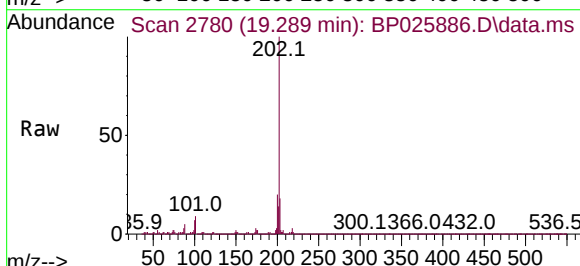
Tgt Ion:202 Resp: 1502850

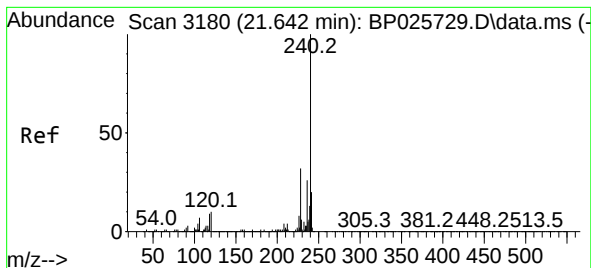
Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.4

203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

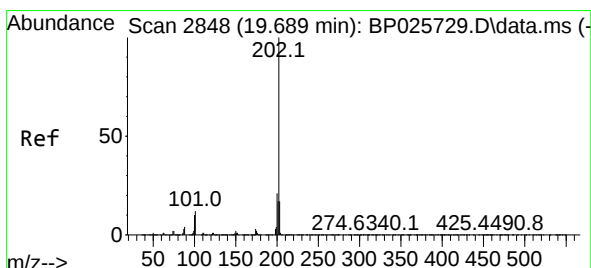
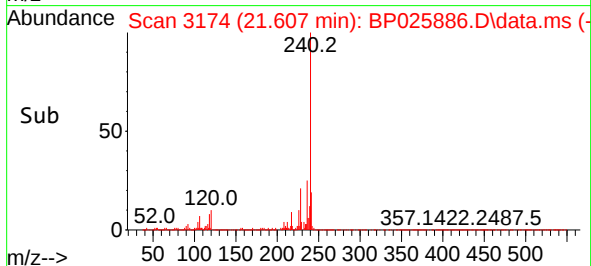
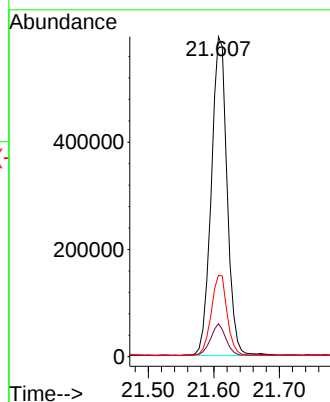
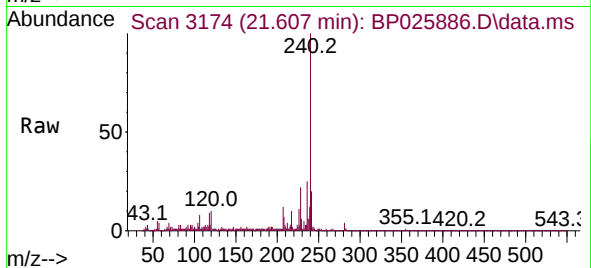
Tgt Ion:240 Resp: 996700

Ion Ratio Lower Upper

240 100

120 10.3 8.0 12.0

236 25.4 20.7 31.1



#78

Pyrene

Concen: 26.235 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.023 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

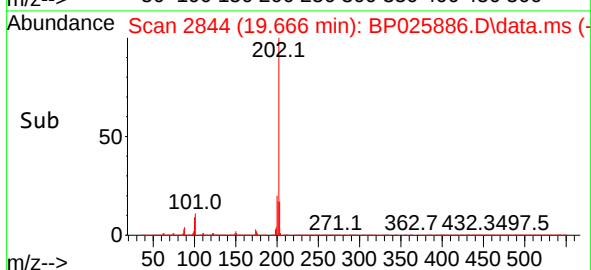
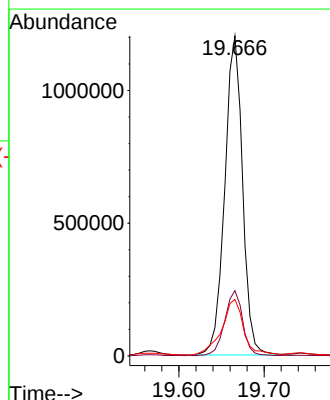
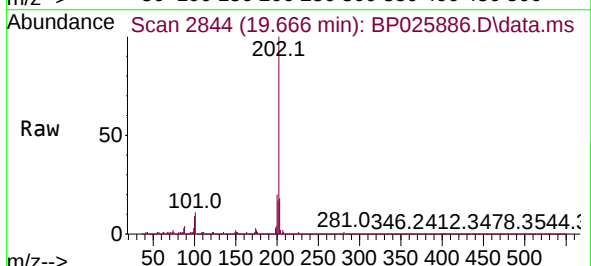
Tgt Ion:202 Resp: 1744726

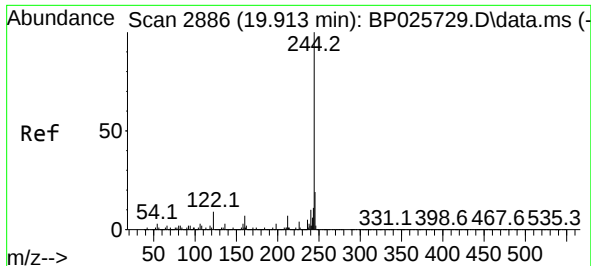
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 17.6 13.9 20.9

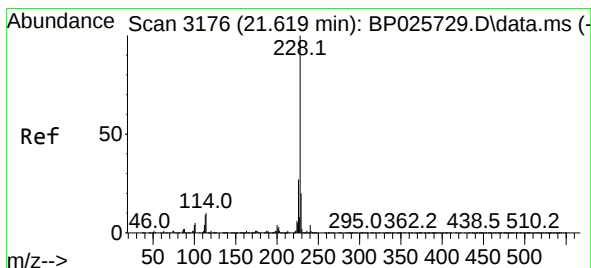
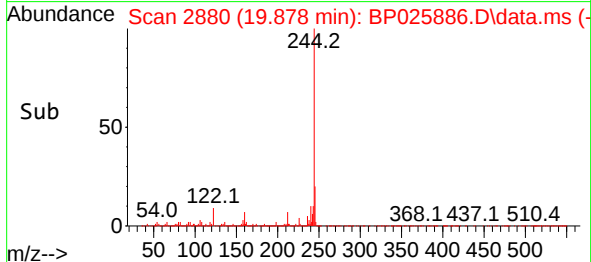
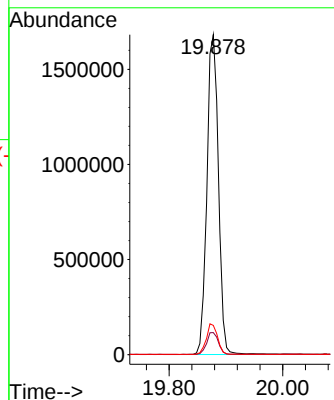
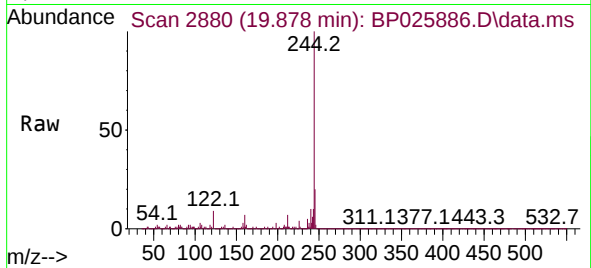




#79
 Terphenyl-d14
 Concen: 42.719 ng
 RT: 19.878 min Scan# 2886
 Delta R.T. -0.035 min
 Lab File: BP025886.D
 Acq: 29 Sep 2025 18:30

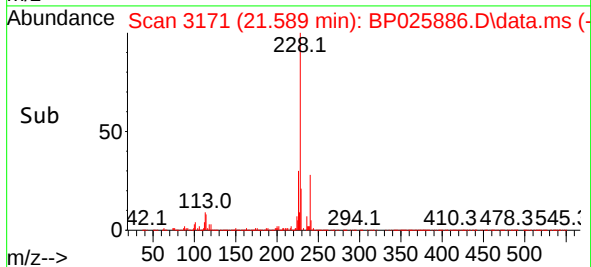
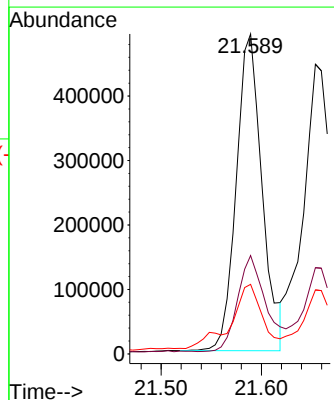
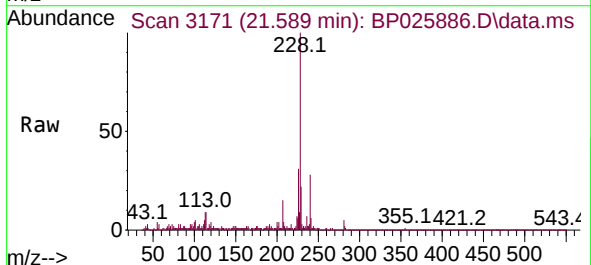
Instrument :
 BNA_P
 ClientSampleId :
 WC-1

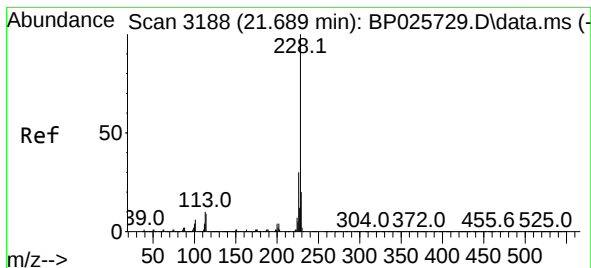
Tgt Ion:244 Resp: 2366794
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.1 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 12.856 ng
 RT: 21.589 min Scan# 3171
 Delta R.T. -0.029 min
 Lab File: BP025886.D
 Acq: 29 Sep 2025 18:30

Tgt Ion:228 Resp: 877206
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 21.7 15.7 23.5





#83

Chrysene

Concen: 13.274 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

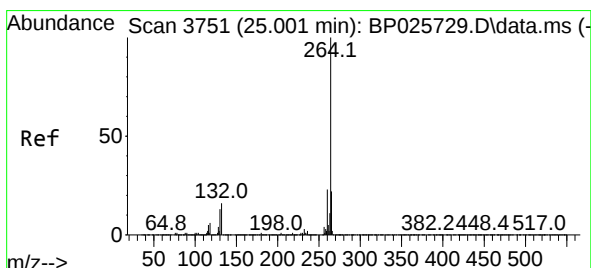
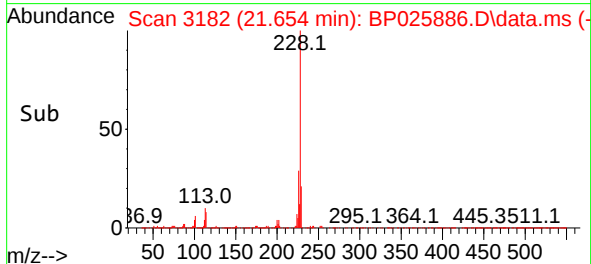
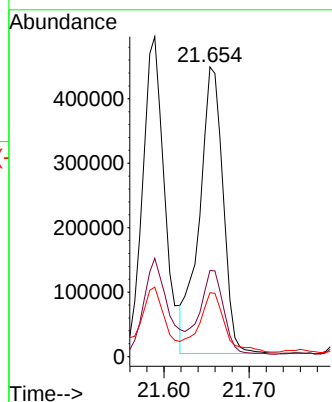
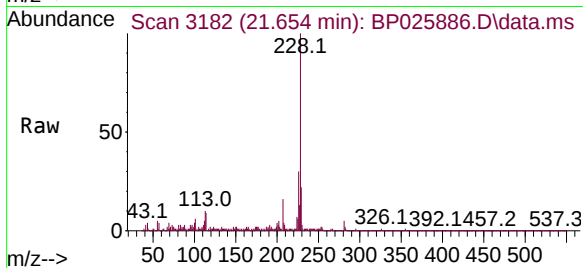
Tgt Ion:228 Resp: 863450

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 22.1 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: BP025886.D

Acq: 29 Sep 2025 18:30

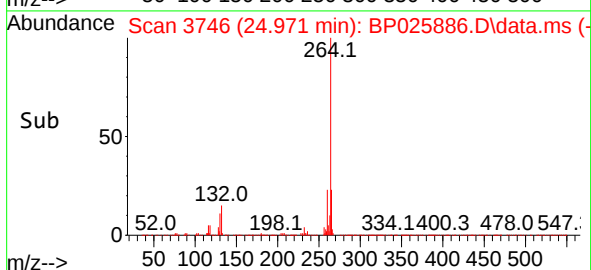
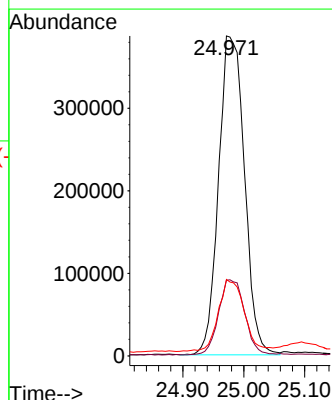
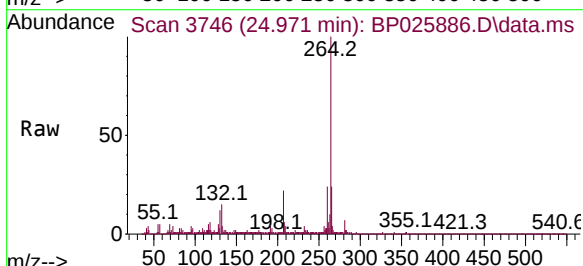
Tgt Ion:264 Resp: 1142230

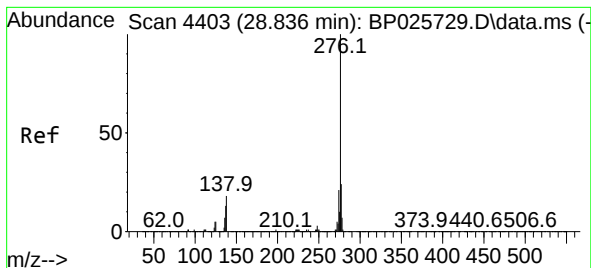
Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 23.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.636 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.029 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

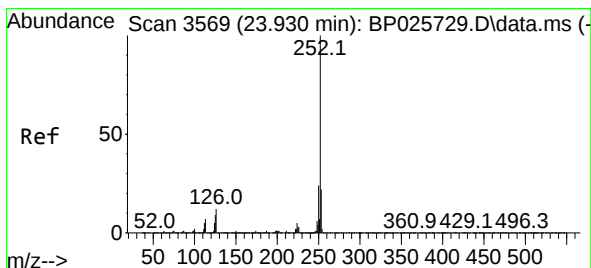
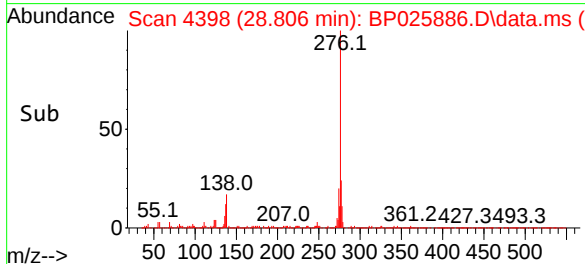
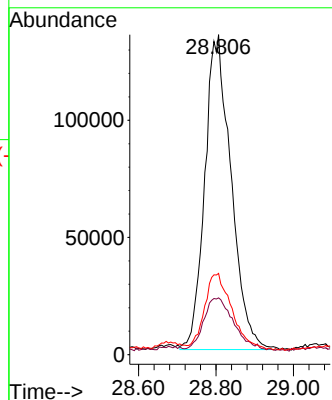
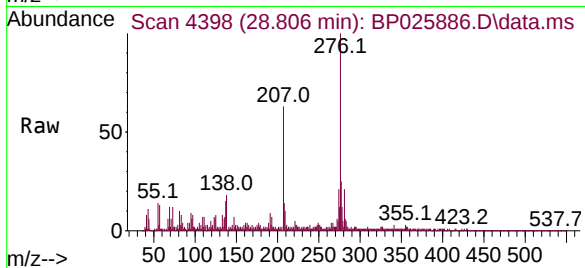
Tgt Ion:276 Resp: 634250

Ion Ratio Lower Upper

276 100

138 18.5 13.4 20.2

277 25.3 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 15.585 ng

RT: 23.901 min Scan# 3564

Delta R.T. -0.029 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

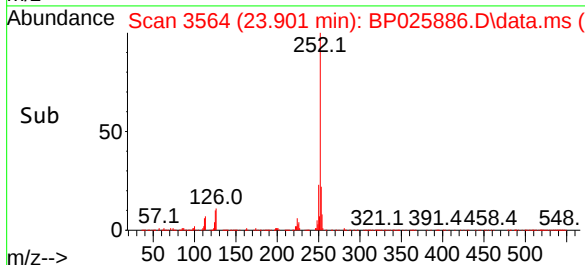
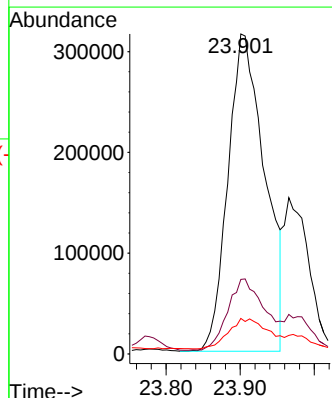
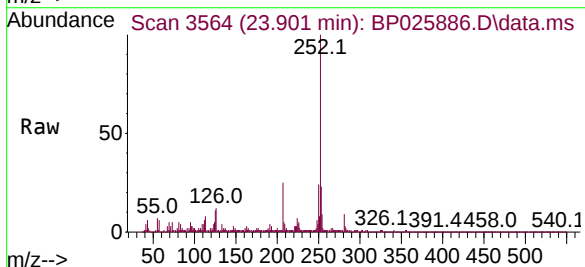
Tgt Ion:252 Resp: 1088579

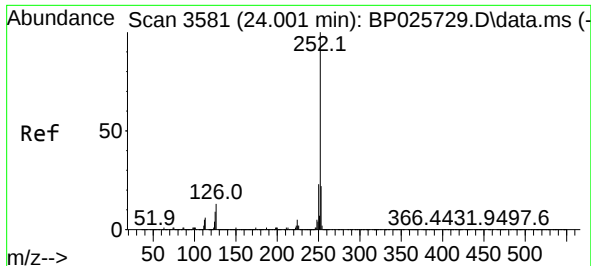
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 11.1 7.3 10.9#

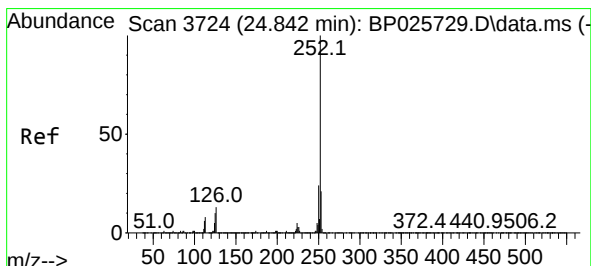
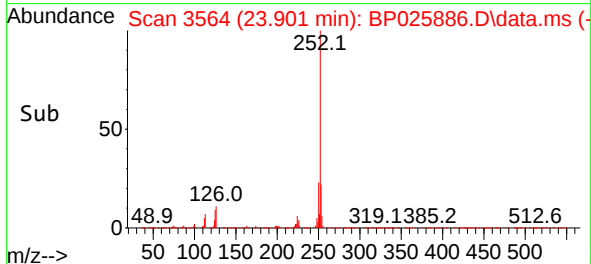
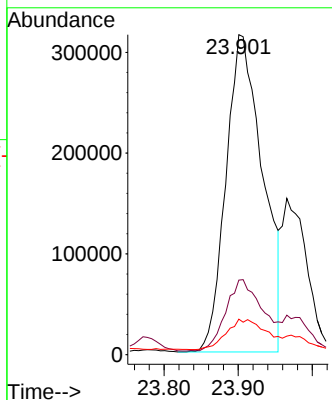
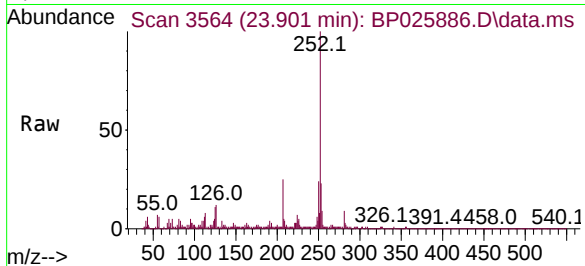




#89
Benzo(k)fluoranthene
Concen: 15.273 ng
RT: 23.901 min Scan# 31
Delta R.T. -0.100 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

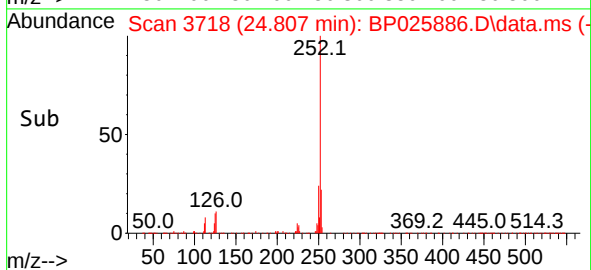
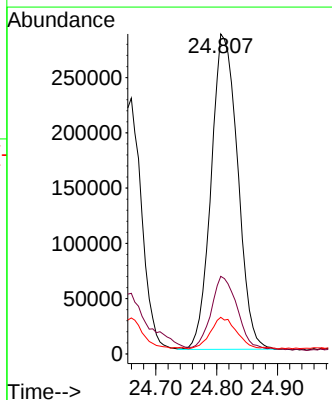
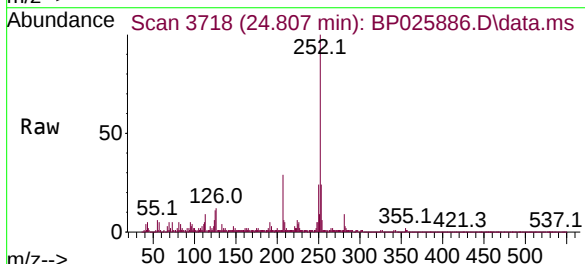
Instrument :
BNA_P
ClientSampleId :
WC-1

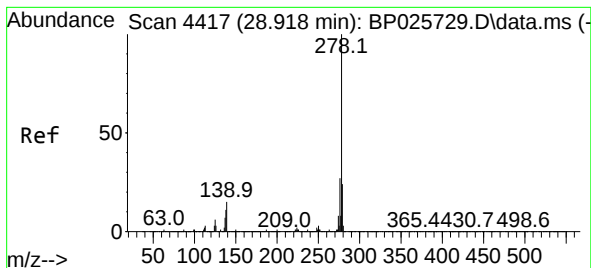
Tgt Ion:252 Resp: 1088579
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.1 7.5 11.3



#90
Benzo(a)pyrene
Concen: 12.619 ng
RT: 24.807 min Scan# 3718
Delta R.T. -0.035 min
Lab File: BP025886.D
Acq: 29 Sep 2025 18:30

Tgt Ion:252 Resp: 863210
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 11.4 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.309 ng

RT: 28.865 min Scan# 4417

Delta R.T. -0.053 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Instrument :

BNA_P

ClientSampleId :

WC-1

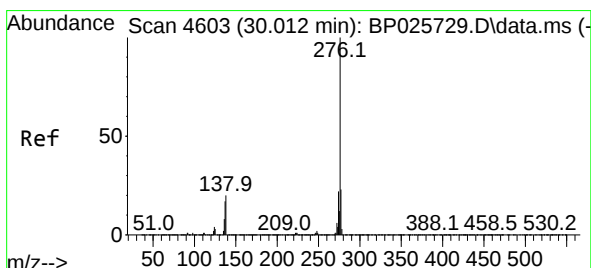
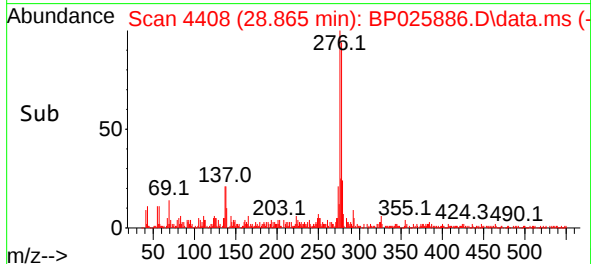
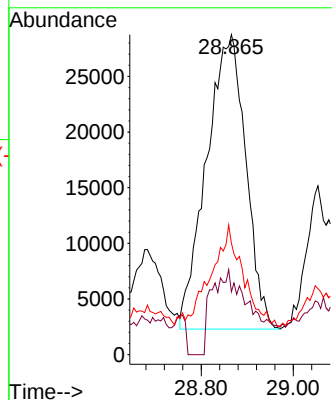
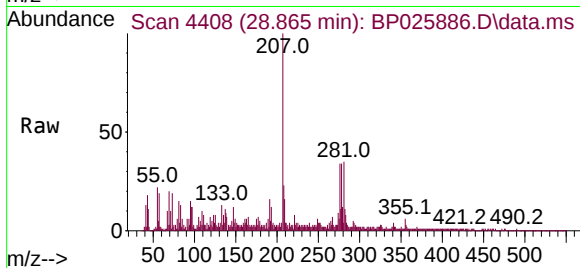
Tgt Ion:278 Resp: 156974

Ion Ratio Lower Upper

278 100

139 19.6 12.1 18.1#

279 34.9 19.6 29.4#



#92

Benzo(g,h,i)perylene

Concen: 9.838 ng

RT: 29.983 min Scan# 4598

Delta R.T. -0.029 min

Lab File: BP025886.D

Acq: 29 Sep 2025 18:30

Tgt Ion:276 Resp: 657675

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 19.7 16.0 24.0

