

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024886.D
 Acq On : 09 Jun 2025 20:59
 Operator : RC/JU
 Sample : Q2260-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP10-MHG-WC

Quant Time: Jun 10 01:32:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

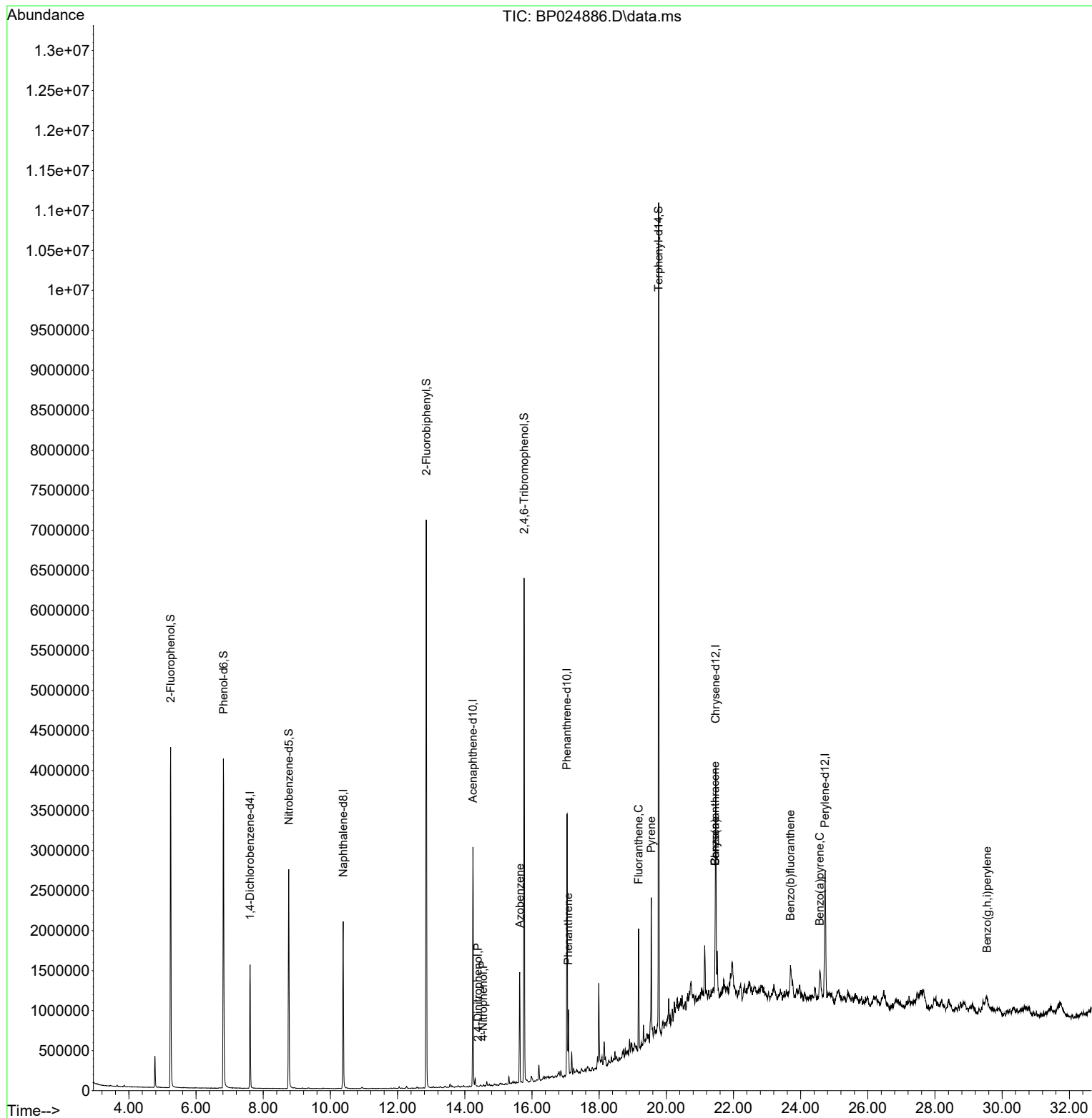
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	403126	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1646656	20.000	ng	0.00
39) Acenaphthene-d10	14.242	164	1022823	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1950083	20.000	ng	-0.02
76) Chrysene-d12	21.471	240	1509343	20.000	ng	-0.01
86) Perylene-d12	24.724	264	1704631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1970441	81.589	ng	0.00
7) Phenol-d6	6.813	99	2515256	78.715	ng	0.00
23) Nitrobenzene-d5	8.760	82	1571895	46.387	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1180279	83.465	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	3640737	47.951	ng	0.00
79) Terphenyl-d14	19.772	244	5058513	60.067	ng	-0.02
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.389	184	8	5.564	ng	# 1
56) 4-Nitrophenol	14.548	139	509	5.442	ng	# 36
63) Azobenzene	15.636	77	406421	5.893	ng	# 1
71) Phenanthrene	17.083	178	467072	4.334	ng	99
75) Fluoranthene	19.177	202	921237	7.376	ng	99
78) Pyrene	19.554	202	970321	10.290	ng	99
81) Benzo(a)anthracene	21.454	228	355247	3.680	ng	98
83) Chrysene	21.454	228	355457	3.886	ng	96
88) Benzo(b)fluoranthene	23.695	252	383801	3.934	ng	# 92
90) Benzo(a)pyrene	24.571	252	323864	3.399	ng	# 93
92) Benzo(g,h,i)perylene	29.553	276	207061	2.061	ng	# 91

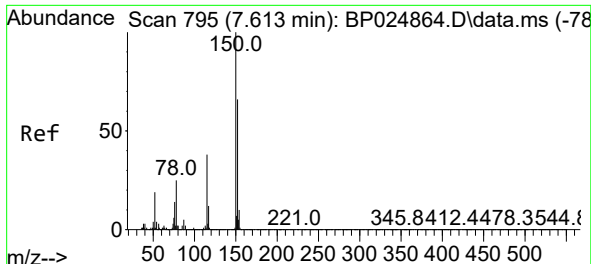
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
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Quant Time: Jun 10 01:32:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
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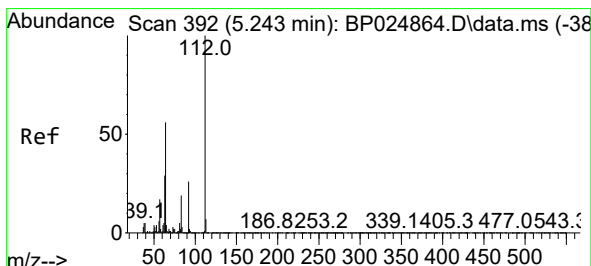
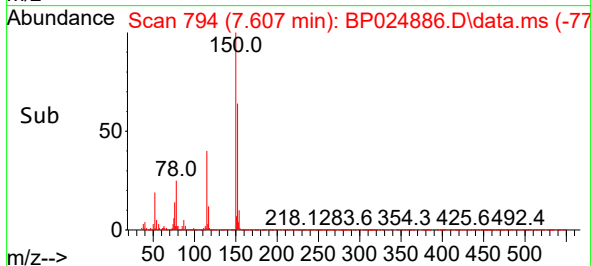
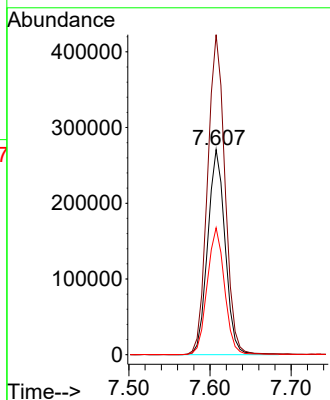
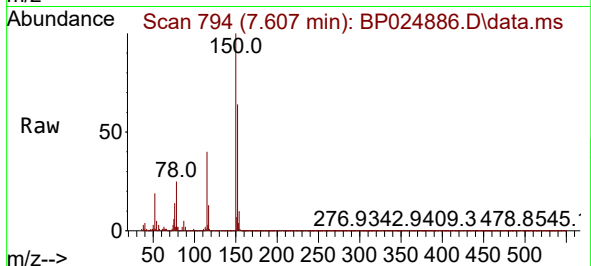




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

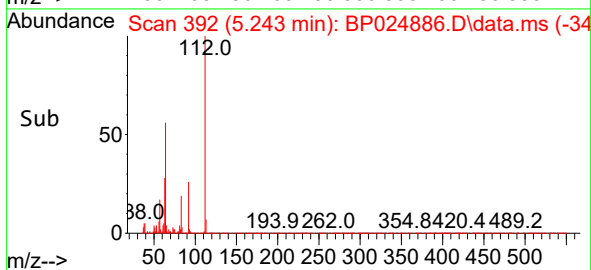
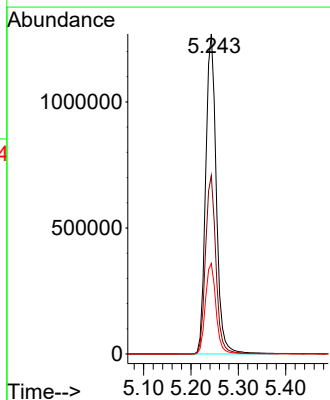
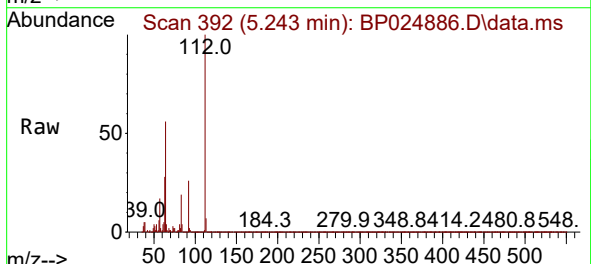
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC

Tgt Ion:152 Resp: 403126
Ion Ratio Lower Upper
152 100
150 156.0 122.1 183.1
115 61.9 46.4 69.6



#5
2-Fluorophenol
Concen: 81.589 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:112 Resp: 1970441
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 28.3 23.5 35.3

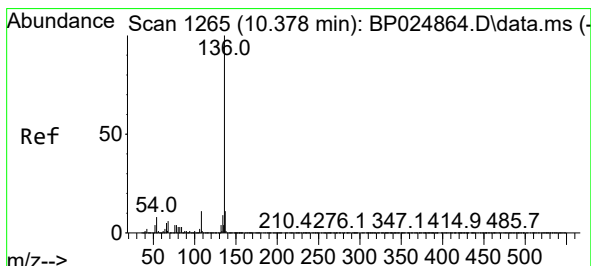
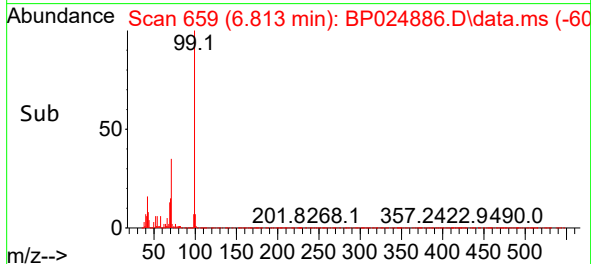
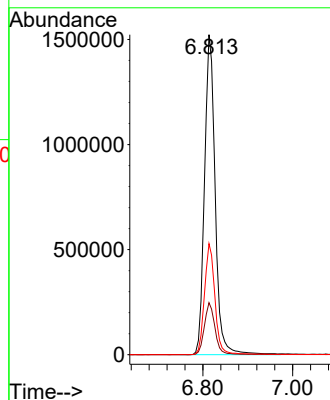
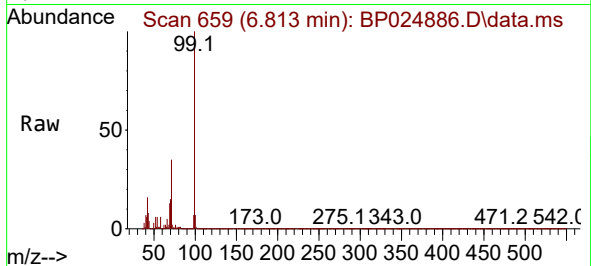




#7
Phenol-d6
Concen: 78.715 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

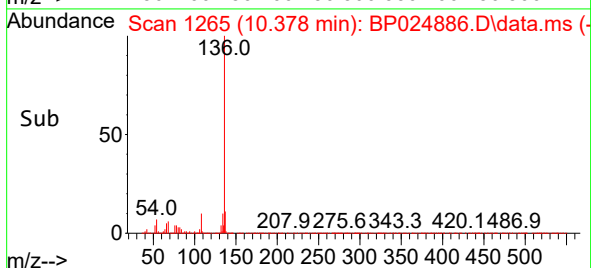
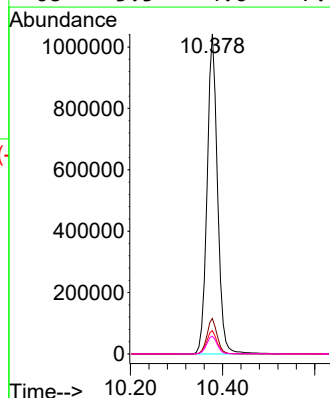
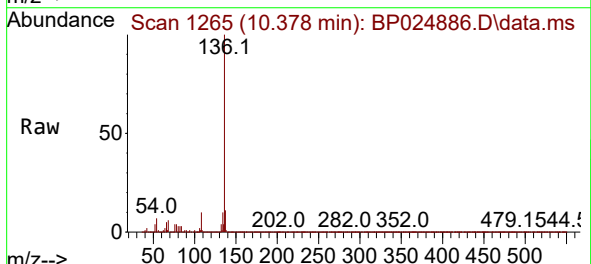
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC

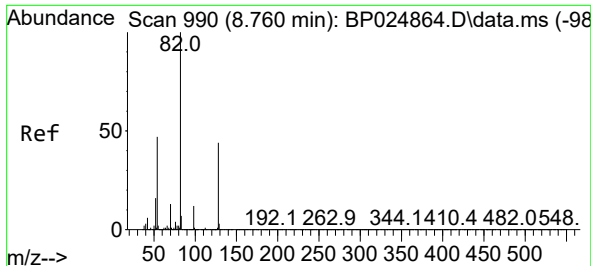
Tgt Ion: 99 Resp: 2515256
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.7 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:136 Resp: 1646656
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 6.1 9.1
68 5.5 4.6 7.0

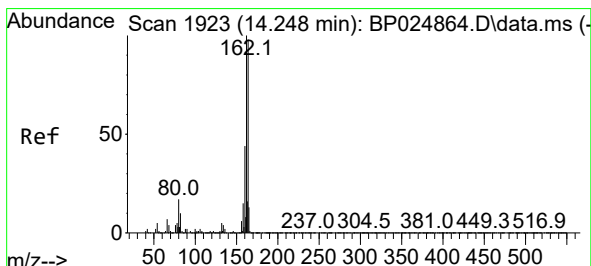
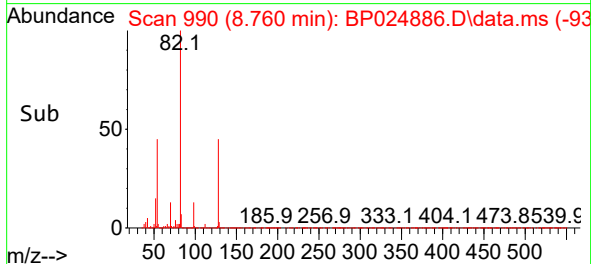
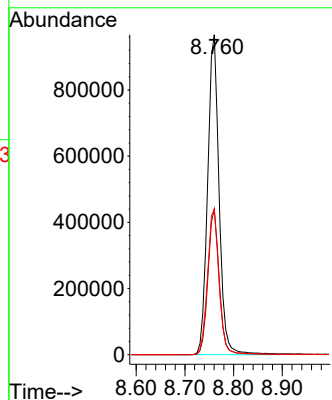
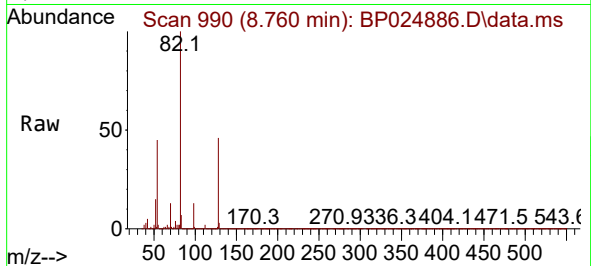




#23
Nitrobenzene-d5
Concen: 46.387 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

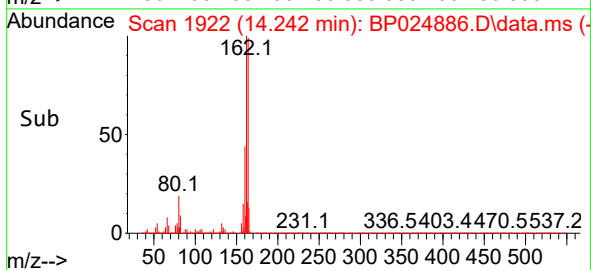
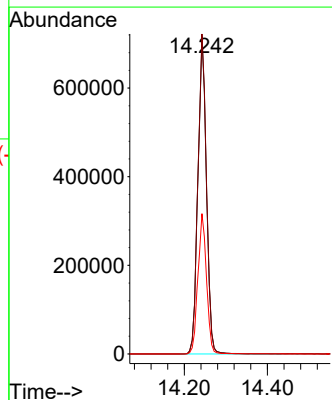
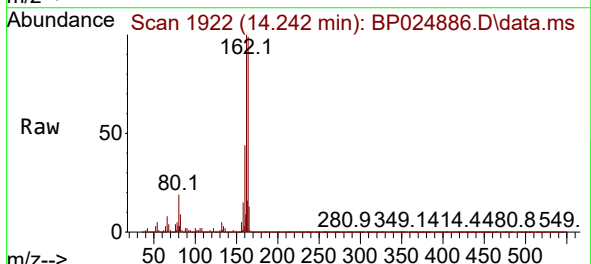
Instrument :
BNA_P
ClientSampleId :
TP10-MHG-WC

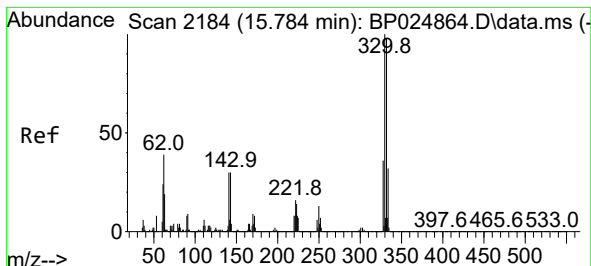
Tgt Ion: 82 Resp: 1571895
Ion Ratio Lower Upper
82 100
128 45.5 35.3 52.9
54 45.4 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.242 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:164 Resp: 1022823
Ion Ratio Lower Upper
164 100
162 100.9 81.6 122.4
160 44.2 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 83.465 ng

RT: 15.766 min Scan# 2184

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

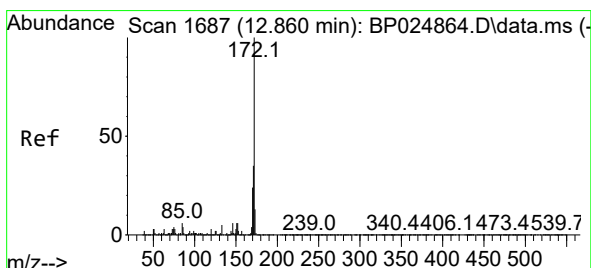
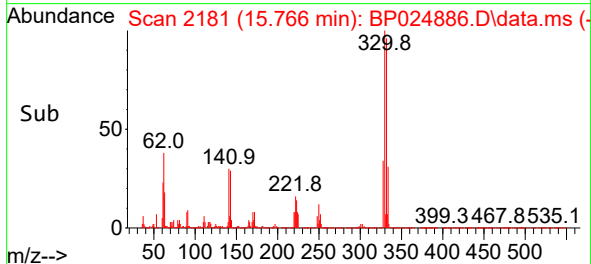
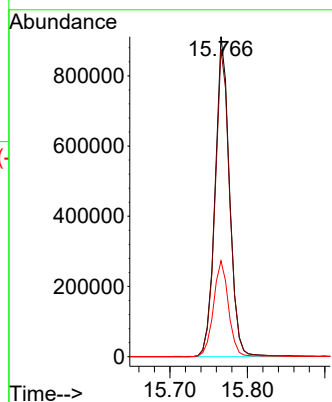
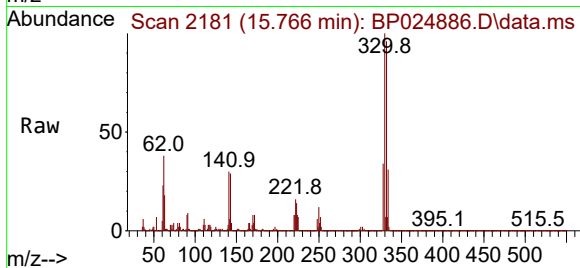
Tgt Ion:330 Resp: 1180279

Ion Ratio Lower Upper

330 100

332 97.1 77.7 116.5

141 31.1 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 47.951 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

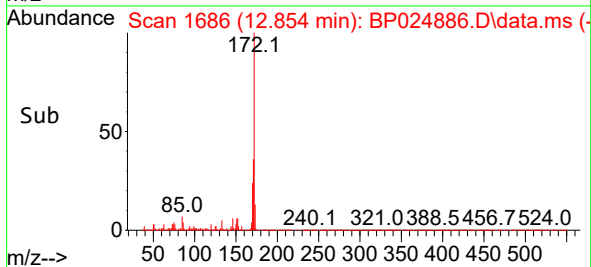
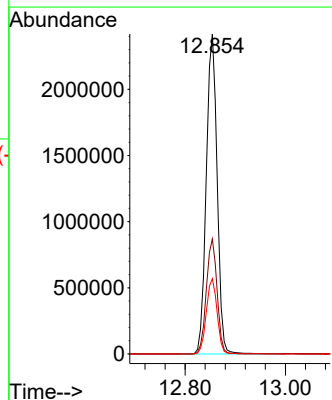
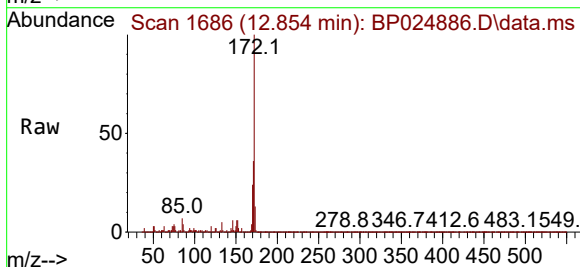
Tgt Ion:172 Resp: 3640737

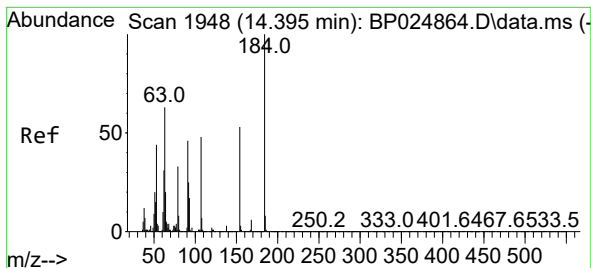
Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.6 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.564 ng

RT: 14.389 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

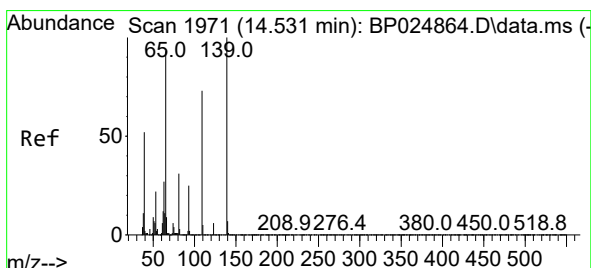
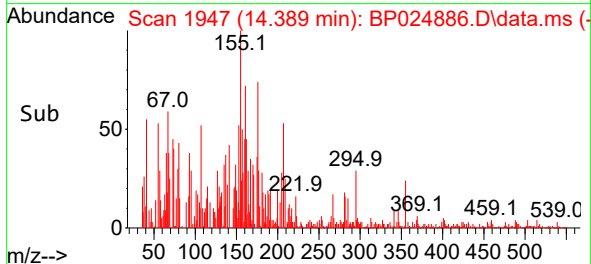
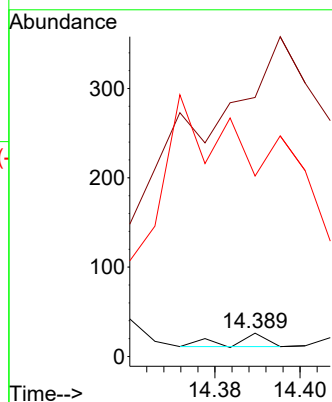
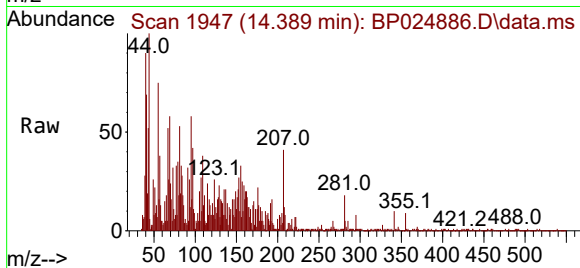
Tgt Ion:184 Resp: 8

Ion Ratio Lower Upper

184 100

63 1115.4 51.0 76.4#

154 776.9 51.7 77.5#



#56

4-Nitrophenol

Concen: 5.442 ng

RT: 14.548 min Scan# 1974

Delta R.T. 0.017 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

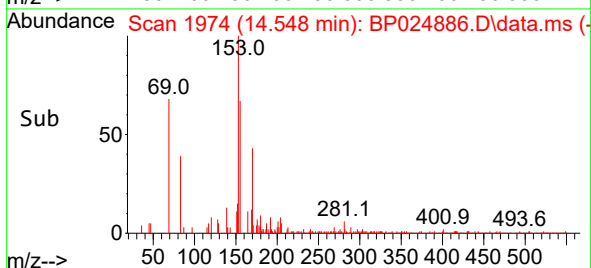
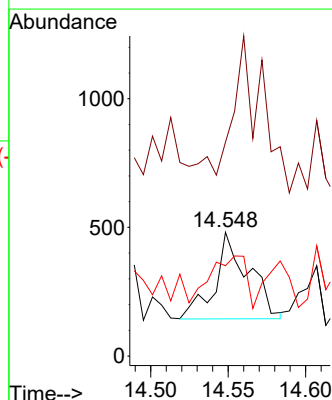
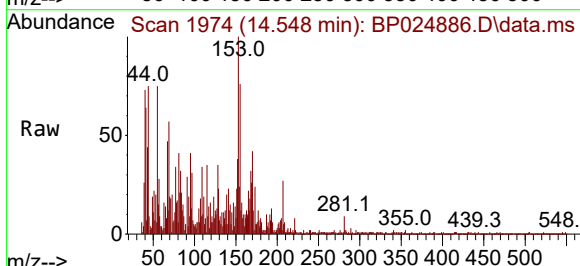
Tgt Ion:139 Resp: 509

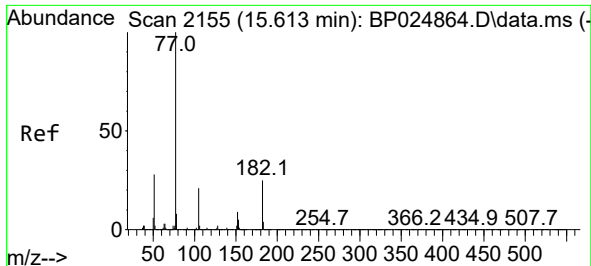
Ion Ratio Lower Upper

139 100

109 172.8 53.1 93.1#

65 73.0 73.0 113.0#

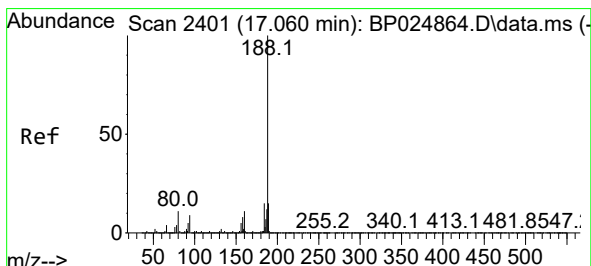
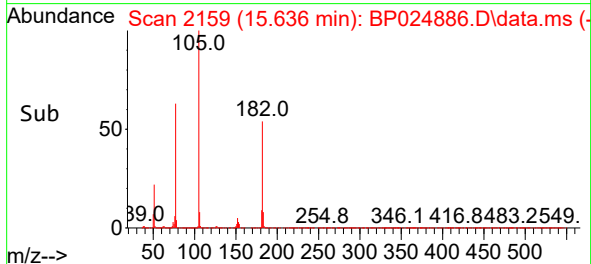
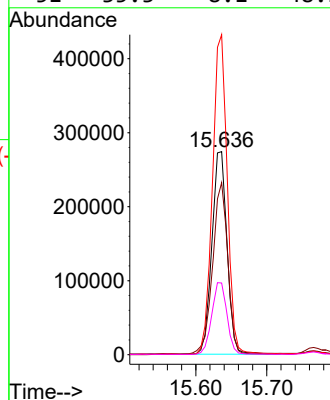
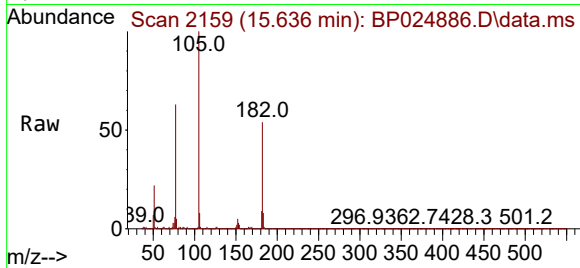




#63
Azobenzene
Concen: 5.893 ng
RT: 15.636 min Scan# 2155
Delta R.T. 0.023 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

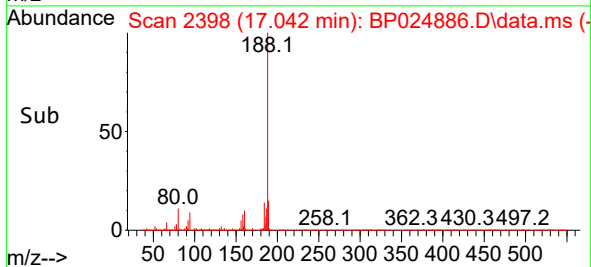
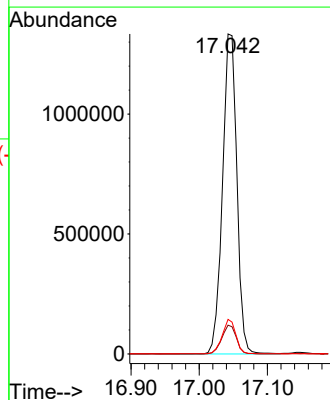
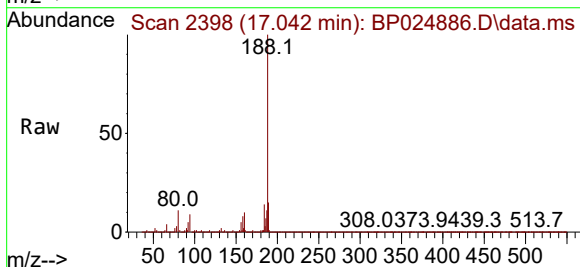
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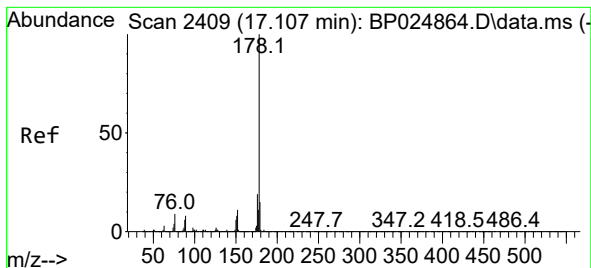
Tgt Ion: 77 Resp: 406421
Ion Ratio Lower Upper
77 100
182 84.8 5.4 45.4#
105 157.6 0.8 40.8#
51 35.3 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024886.D
Acq: 09 Jun 2025 20:59

Tgt Ion:188 Resp: 1950083
Ion Ratio Lower Upper
188 100
94 9.0 7.3 10.9
80 10.8 8.5 12.7





#71

Phenanthrene

Concen: 4.334 ng

RT: 17.083 min Scan# 2409

Delta R.T. -0.024 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

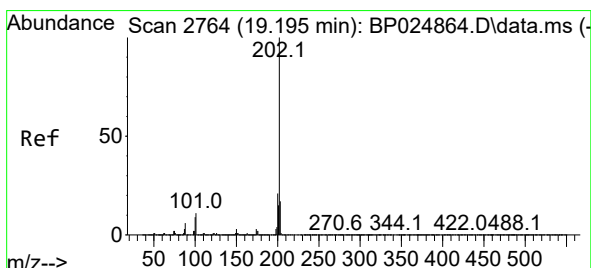
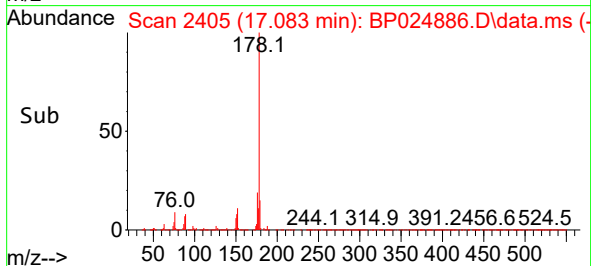
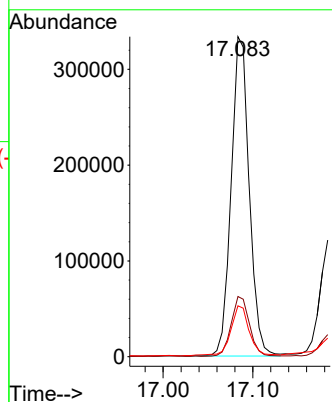
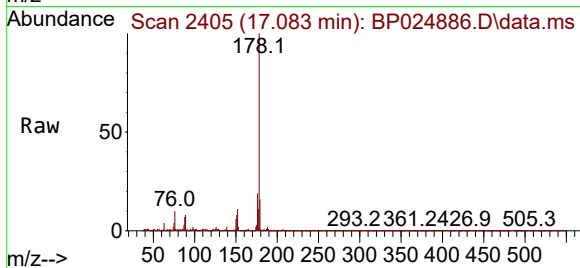
Tgt Ion:178 Resp: 467072

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.9 12.1 18.1



#75

Fluoranthene

Concen: 7.376 ng

RT: 19.177 min Scan# 2761

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

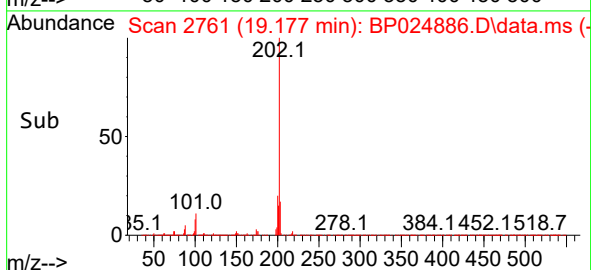
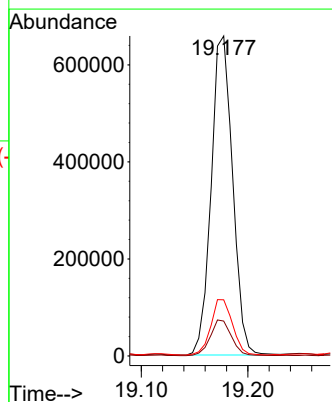
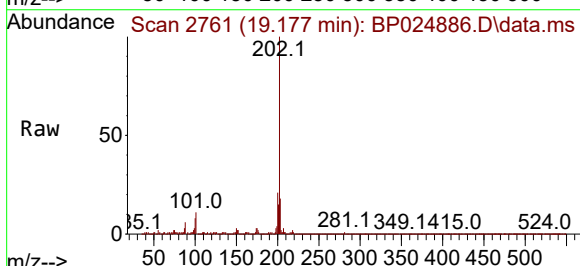
Tgt Ion:202 Resp: 921237

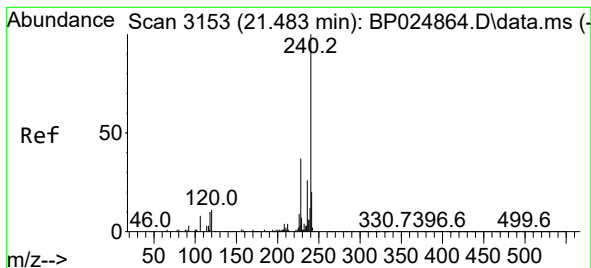
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.471 min Scan# 3151

Delta R.T. -0.012 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

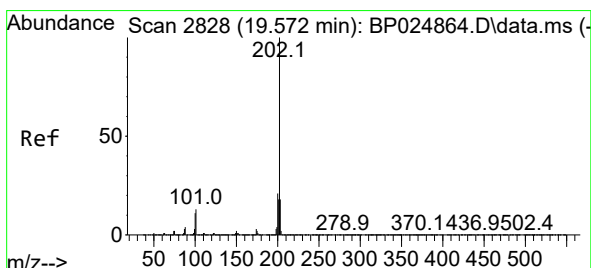
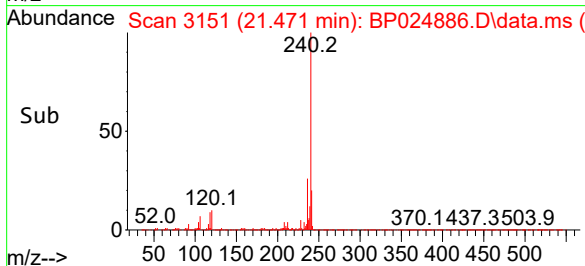
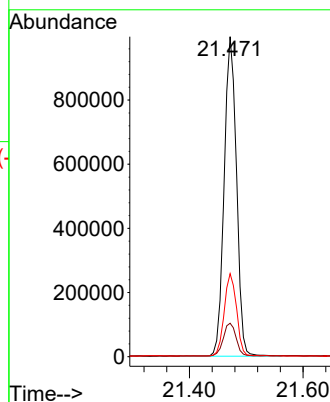
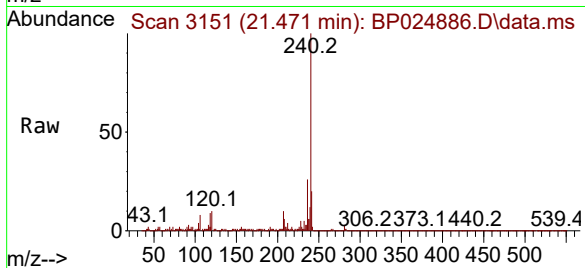
Tgt Ion:240 Resp: 1509343

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 26.0 20.9 31.3



#78

Pyrene

Concen: 10.290 ng

RT: 19.554 min Scan# 2825

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

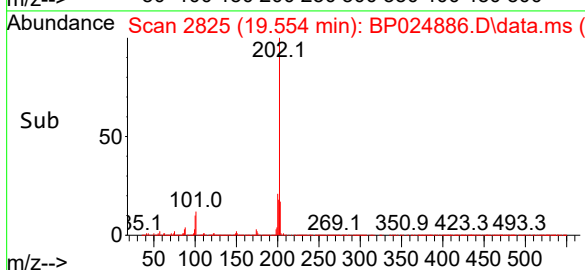
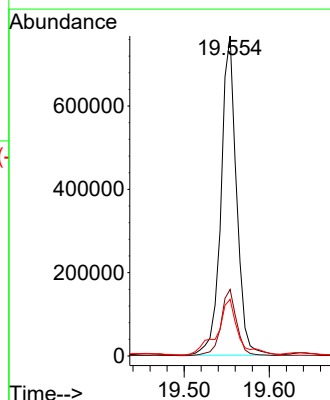
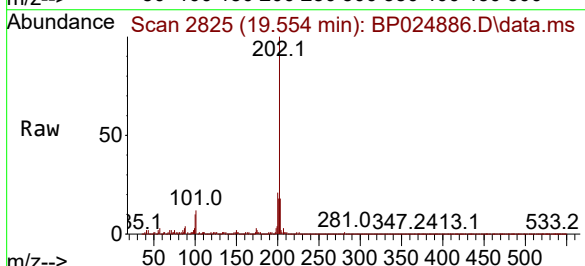
Tgt Ion:202 Resp: 970321

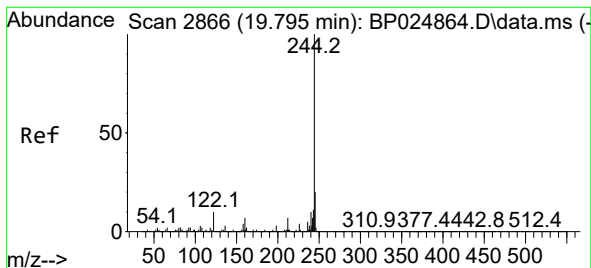
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 60.067 ng

RT: 19.772 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

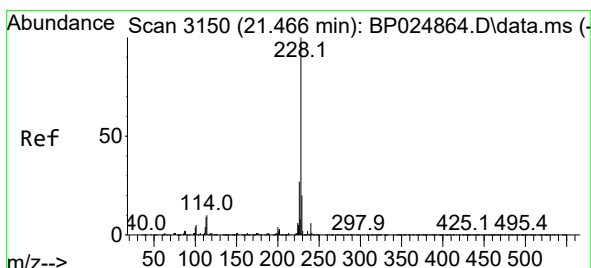
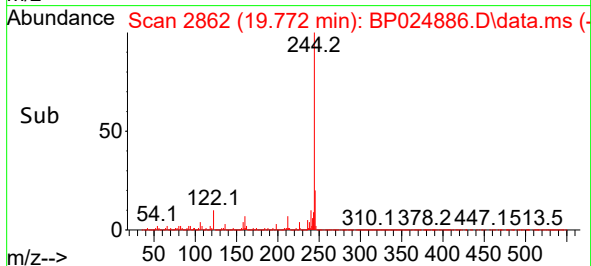
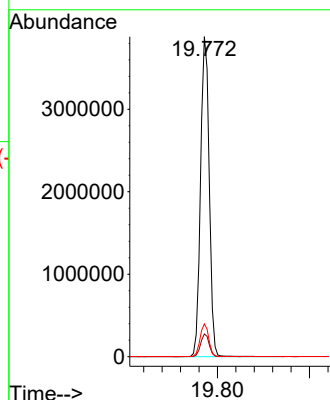
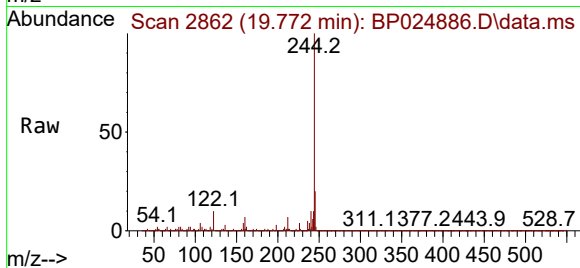
Tgt Ion:244 Resp: 5058513

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.2 7.7 11.5



#81

Benzo(a)anthracene

Concen: 3.680 ng

RT: 21.454 min Scan# 3148

Delta R.T. -0.012 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

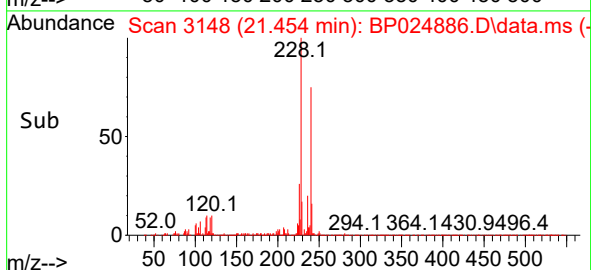
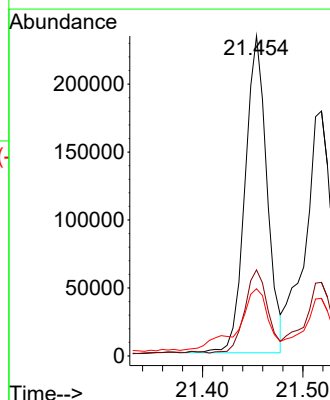
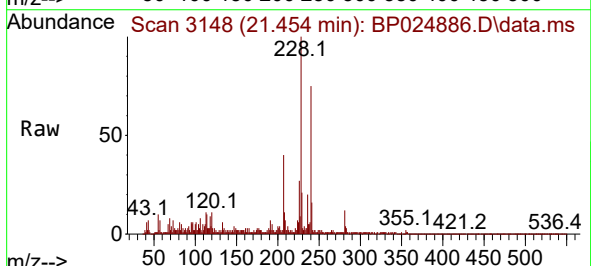
Tgt Ion:228 Resp: 355247

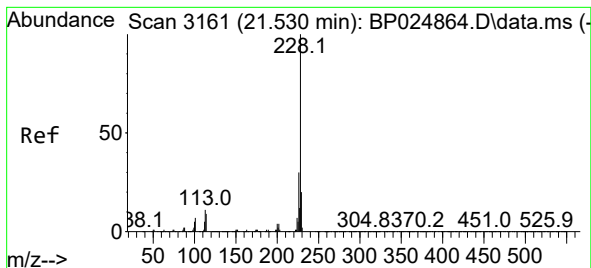
Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

229 21.0 15.9 23.9





#83

Chrysene

Concen: 3.886 ng

RT: 21.454 min Scan# 3161

Delta R.T. -0.077 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

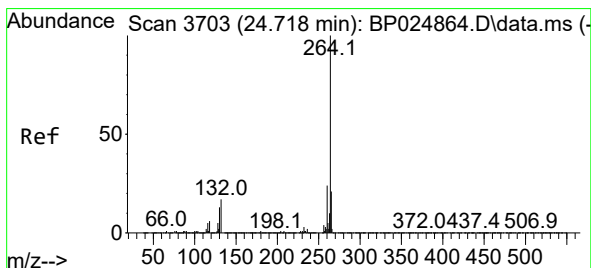
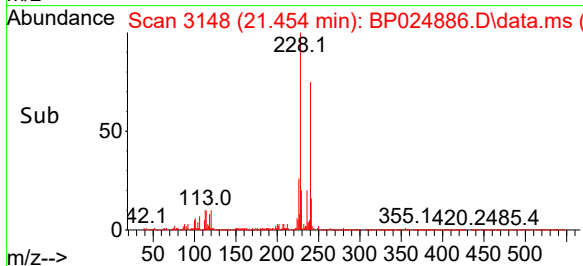
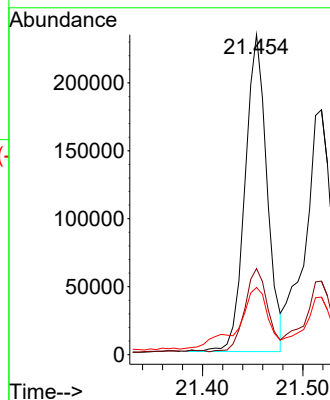
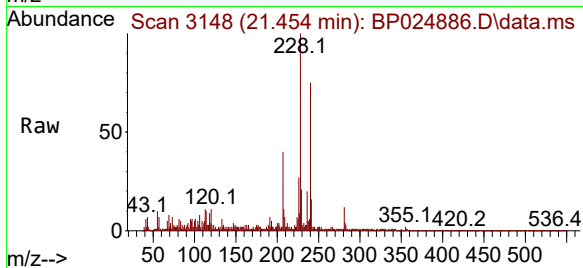
Tgt Ion:228 Resp: 355457

Ion Ratio Lower Upper

228 100

226 26.9 23.8 35.6

229 21.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.724 min Scan# 3704

Delta R.T. 0.006 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

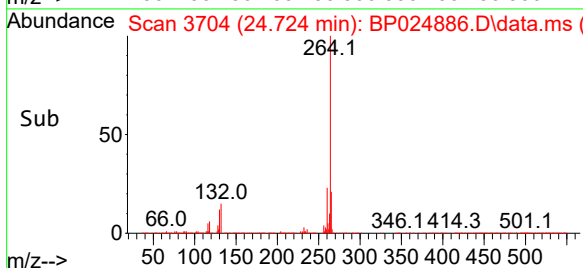
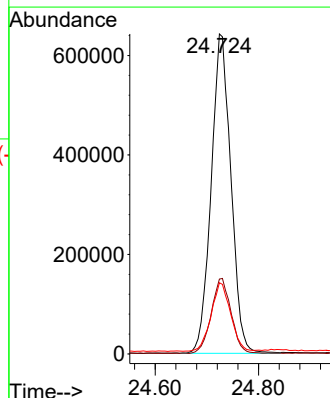
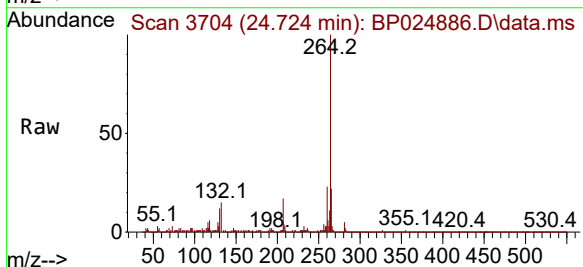
Tgt Ion:264 Resp: 1704631

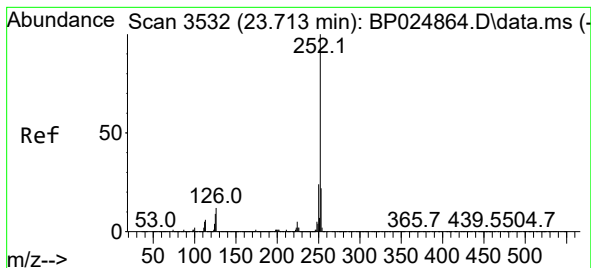
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.2 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.934 ng

RT: 23.695 min Scan# 3529

Delta R.T. -0.018 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC

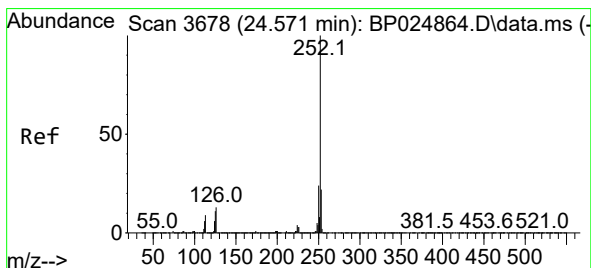
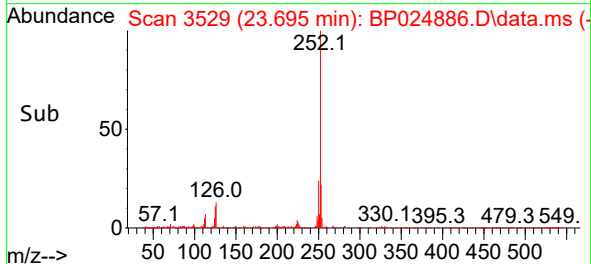
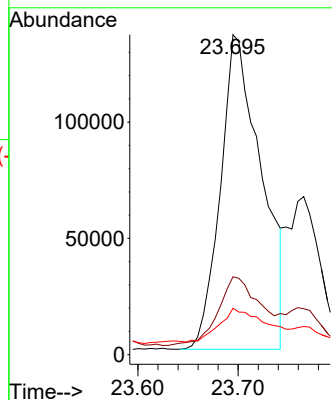
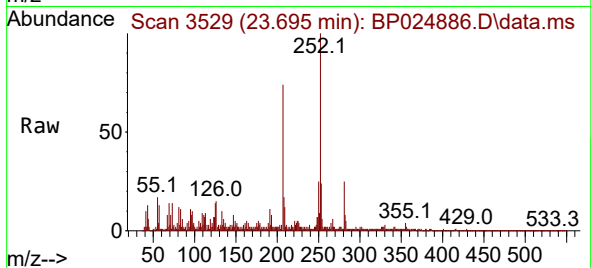
Tgt Ion:252 Resp: 383801

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 14.5 7.1 10.7#



#90

Benzo(a)pyrene

Concen: 3.399 ng

RT: 24.571 min Scan# 3678

Delta R.T. -0.000 min

Lab File: BP024886.D

Acq: 09 Jun 2025 20:59

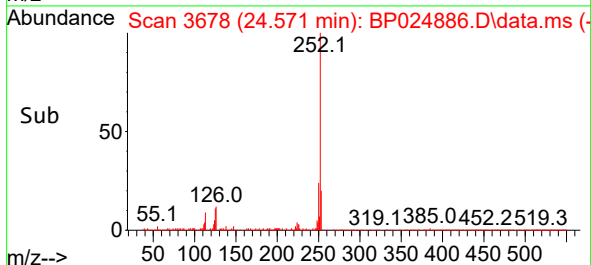
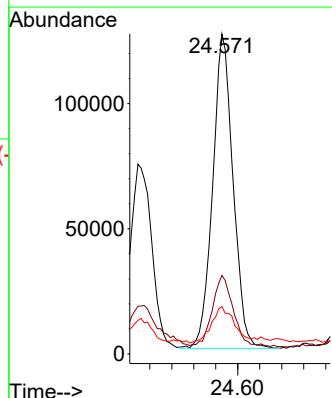
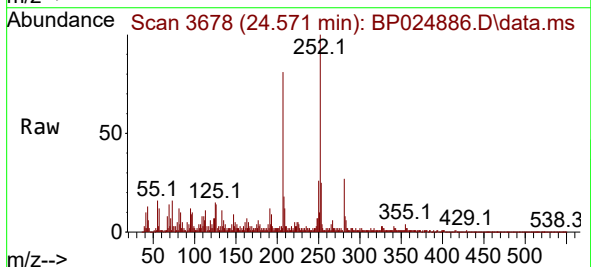
Tgt Ion:252 Resp: 323864

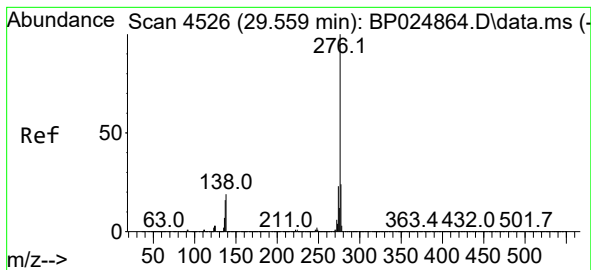
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 14.8 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.061 ng

RT: 29.553 min Scan# 4

Delta R.T. -0.006 min

Lab File: BP024886.D

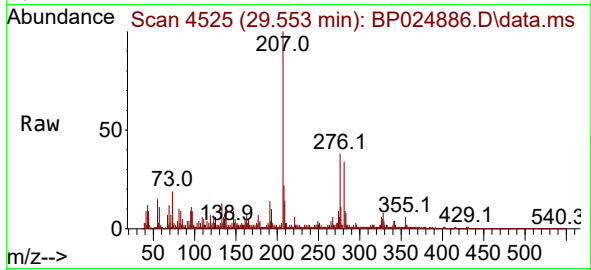
Acq: 09 Jun 2025 20:59

Instrument :

BNA_P

ClientSampleId :

TP10-MHG-WC



Tgt Ion:276 Resp: 207061

Ion Ratio Lower Upper

276 100

277 27.5 19.1 28.7

138 24.1 15.4 23.2#

