

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025820.D
 Acq On : 22 Sep 2025 19:53
 Operator : CG/JU
 Sample : Q3140-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-091825

Quant Time: Sep 23 01:05:00 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)

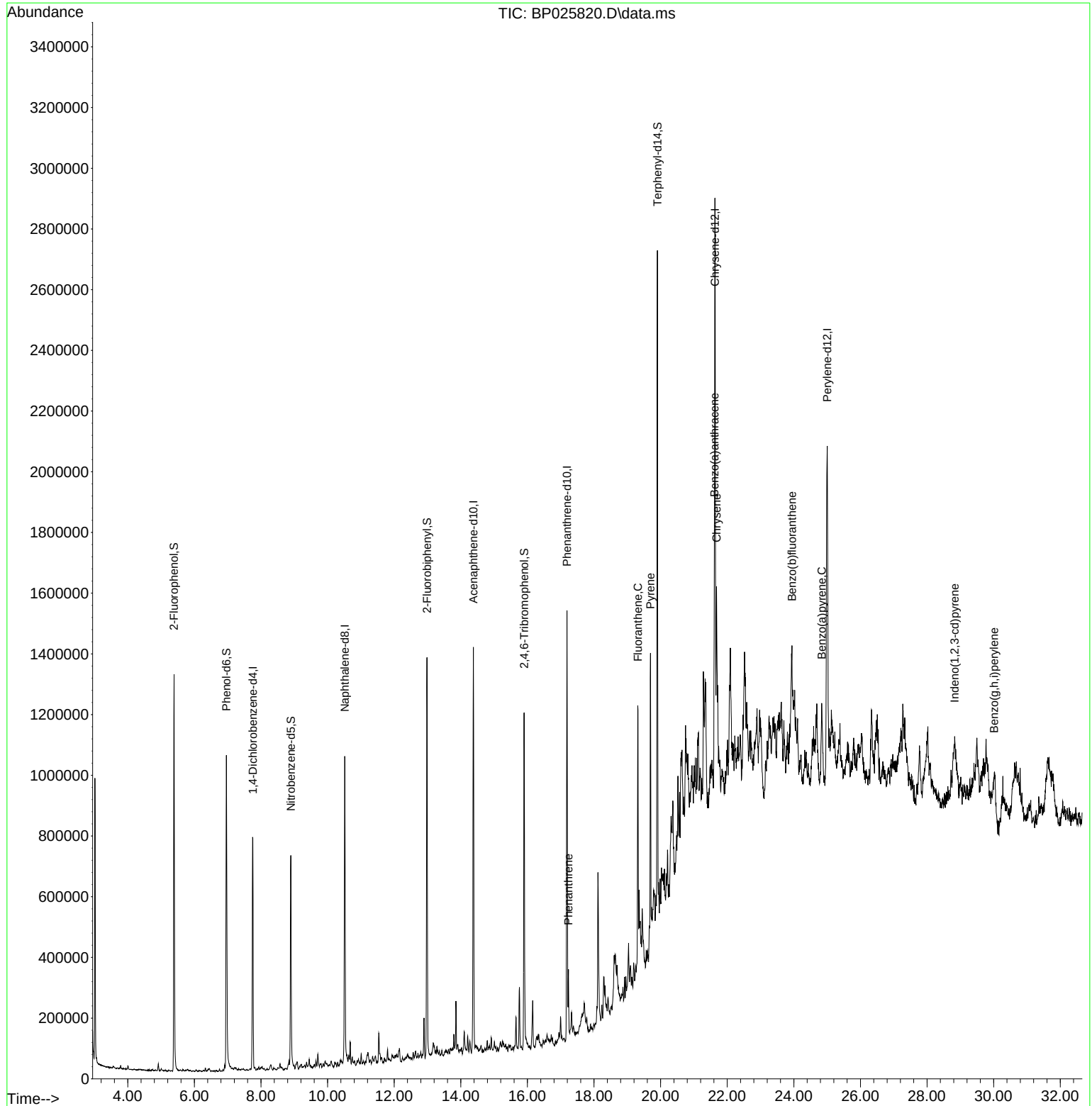
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	223533	20.000	ng	0.00
21) Naphthalene-d8	10.513	136	838434	20.000	ng	-0.01
39) Acenaphthene-d10	14.378	164	492701	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	897117	20.000	ng	0.00
76) Chrysene-d12	21.630	240	960777	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1113424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	575754	41.560	ng	0.00
7) Phenol-d6	6.960	99	706247	38.354	ng	0.01
23) Nitrobenzene-d5	8.896	82	442699	23.291	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	234923	38.227	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	805157	21.759	ng	0.00
79) Terphenyl-d14	19.901	244	1073444	20.099	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.230	178	120472	2.367	ng	99
75) Fluoranthene	19.313	202	449195	7.360	ng	98
78) Pyrene	19.695	202	558926	8.719	ng	98
81) Benzo(a)anthracene	21.613	228	326502	4.964	ng	96
83) Chrysene	21.677	228	298883	4.767	ng	97
87) Indeno(1,2,3-cd)pyrene	28.824	276	186510	2.303	ng	# 78
88) Benzo(b)fluoranthene	23.942	252	363964	5.345	ng	# 93
90) Benzo(a)pyrene	24.836	252	303675	4.554	ng	# 94
92) Benzo(g,h,i)perylene	30.012	276	197642	3.033	ng	92

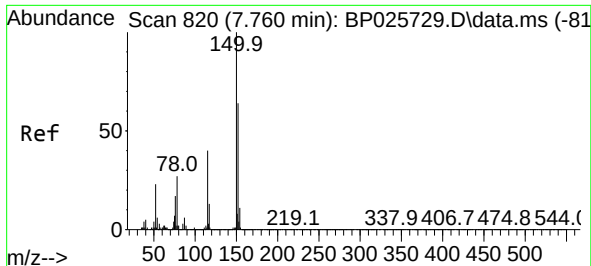
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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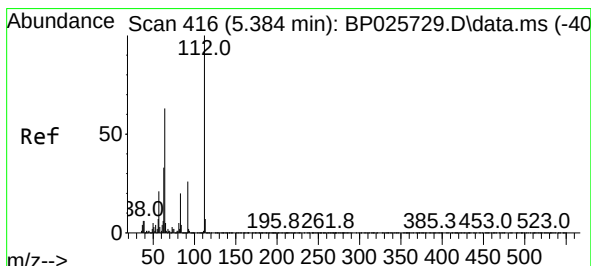
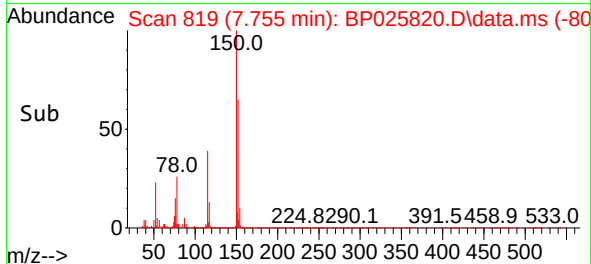
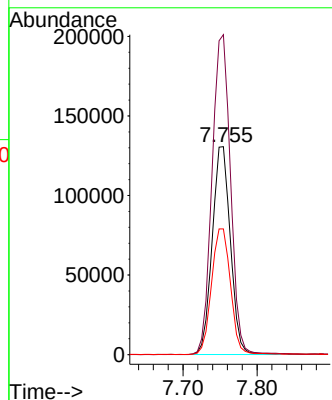
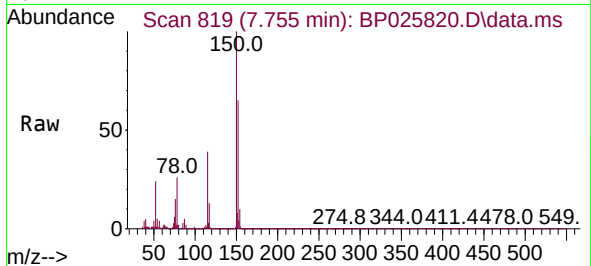




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.755 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

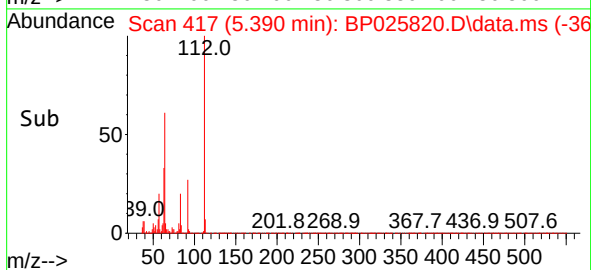
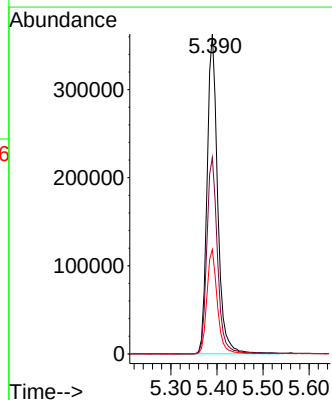
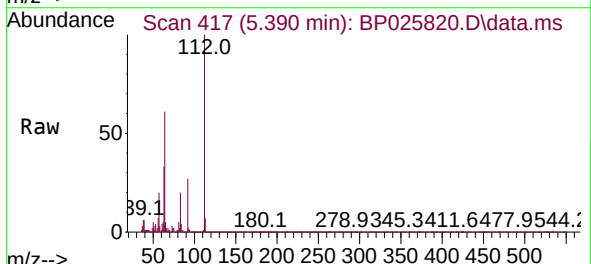
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-091825

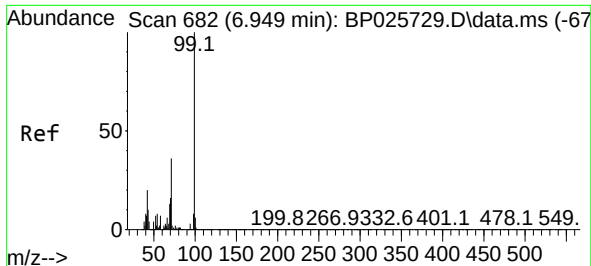
Tgt Ion:152 Resp: 223533
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.3 186.5
 115 60.5 50.3 75.5



#5
 2-Fluorophenol
 Concen: 41.560 ng
 RT: 5.390 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BP025820.D
 Acq: 22 Sep 2025 19:53

Tgt Ion:112 Resp: 575754
 Ion Ratio Lower Upper
 112 100
 64 61.4 50.2 75.4
 63 32.6 26.7 40.1

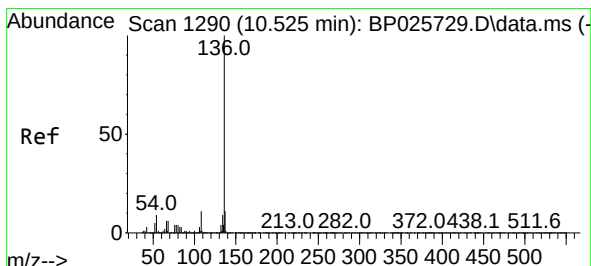
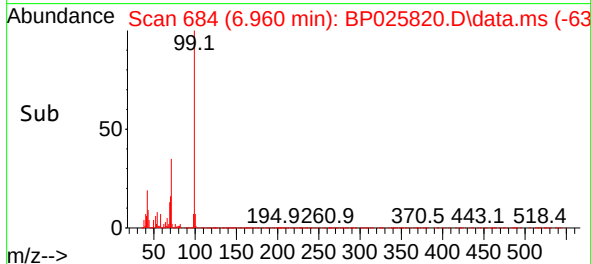
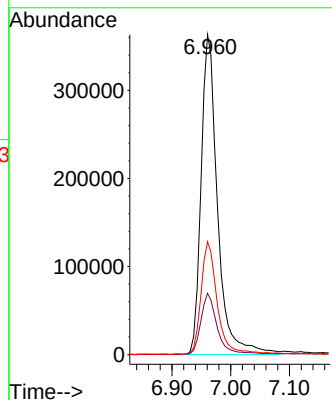
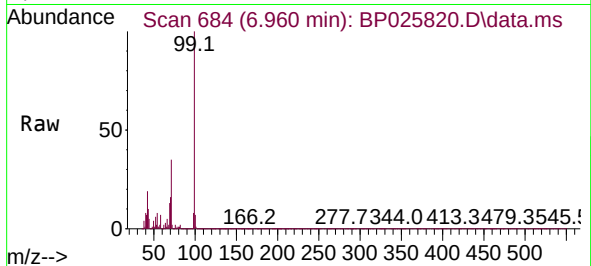




#7
Phenol-d6
Concen: 38.354 ng
RT: 6.960 min Scan# 68
Delta R.T. 0.012 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

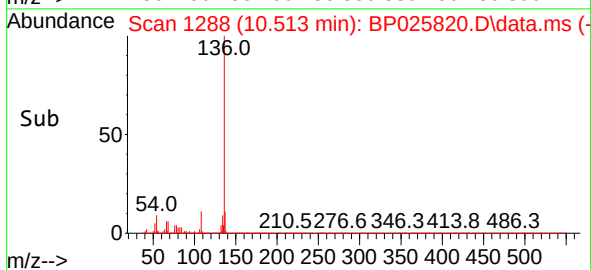
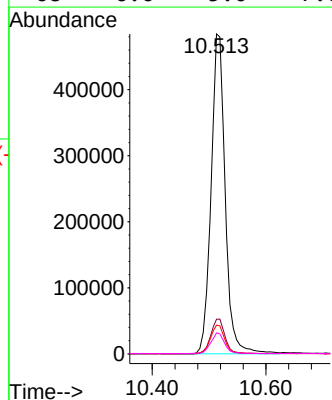
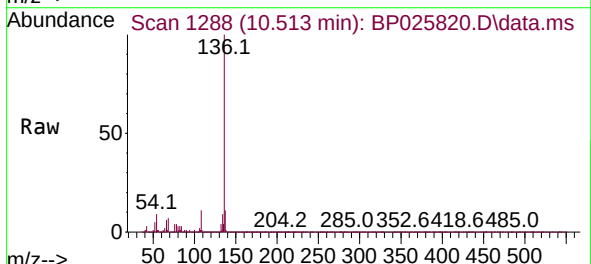
Instrument :
BNA_P
ClientSampleId :
TR-04-091825

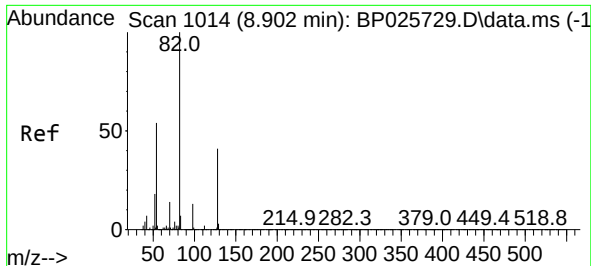
Tgt Ion: 99 Resp: 706247
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 35.3 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

Tgt Ion: 136 Resp: 838434
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.0 7.5 11.3
68 6.6 5.0 7.6

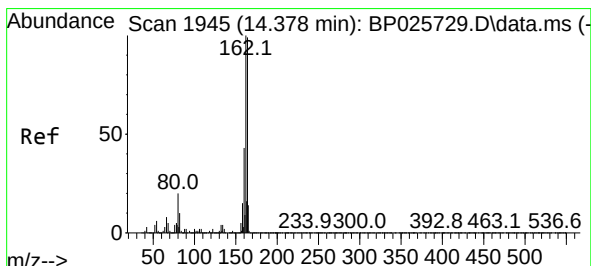
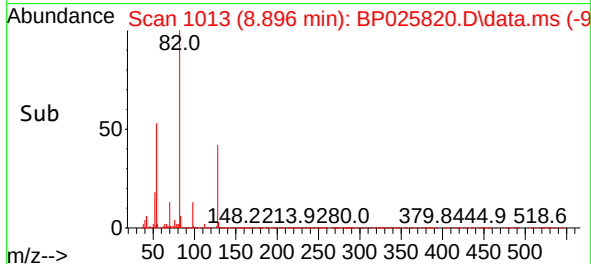
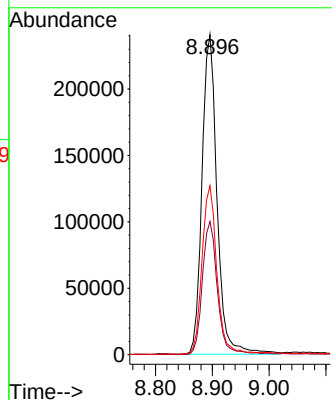
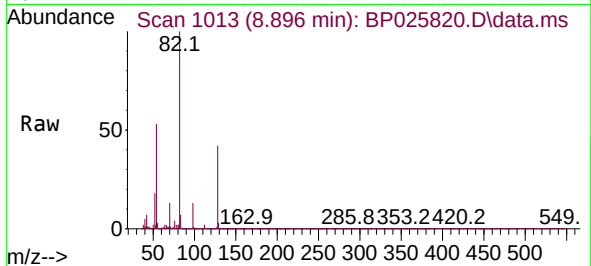




#23
Nitrobenzene-d5
Concen: 23.291 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

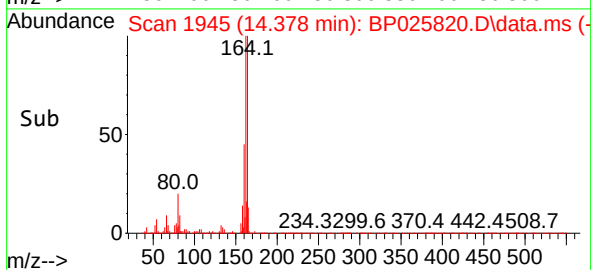
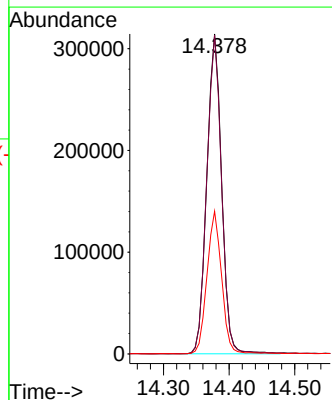
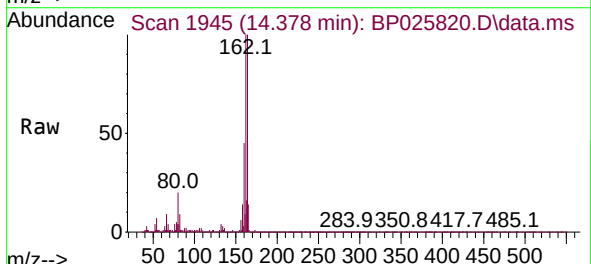
Instrument :
BNA_P
ClientSampleId :
TR-04-091825

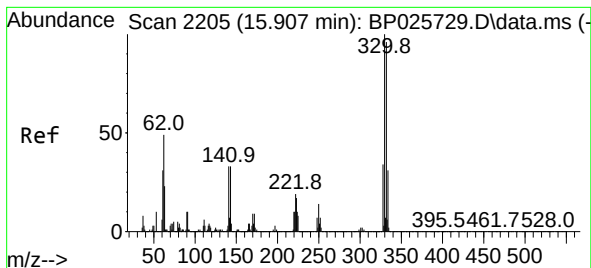
Tgt Ion: 82 Resp: 442699
Ion Ratio Lower Upper
82 100
128 41.6 32.9 49.3
54 52.8 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

Tgt Ion:164 Resp: 492701
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 44.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 38.227 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825

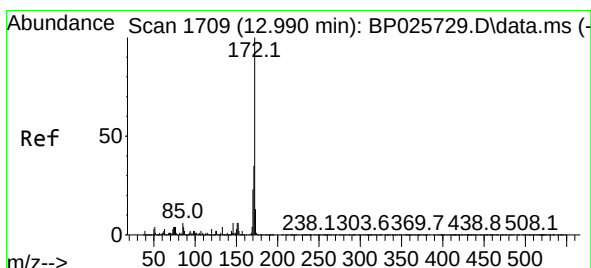
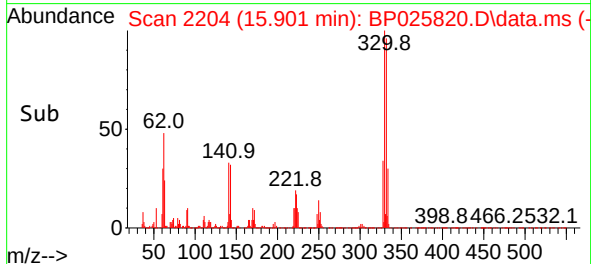
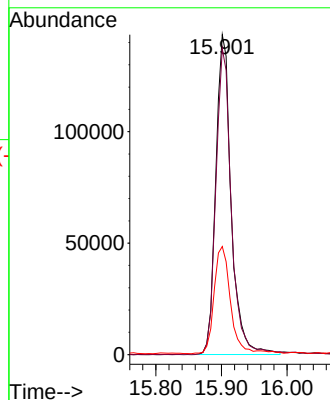
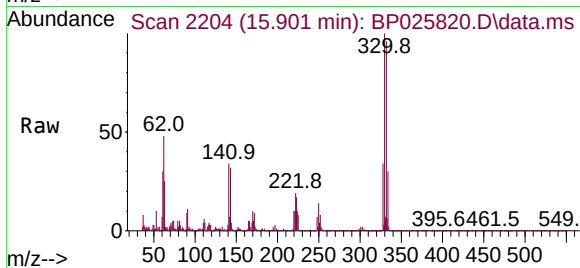
Tgt Ion:330 Resp: 234923

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 36.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 21.759 ng

RT: 12.984 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

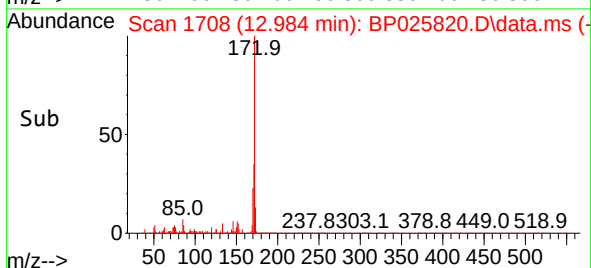
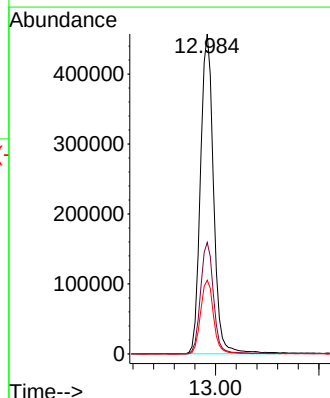
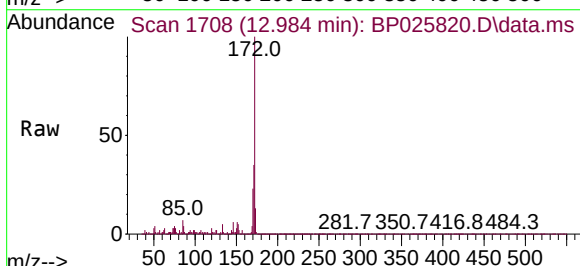
Tgt Ion:172 Resp: 805157

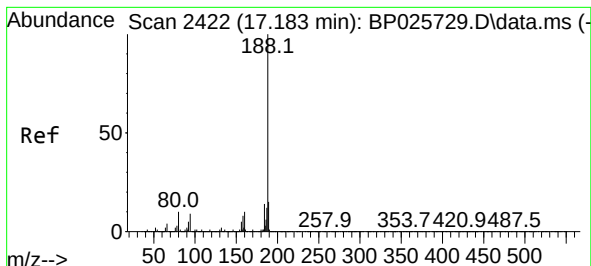
Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.0 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825

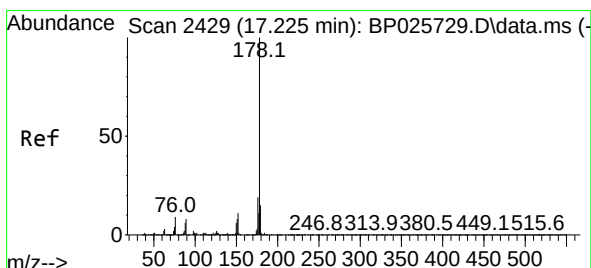
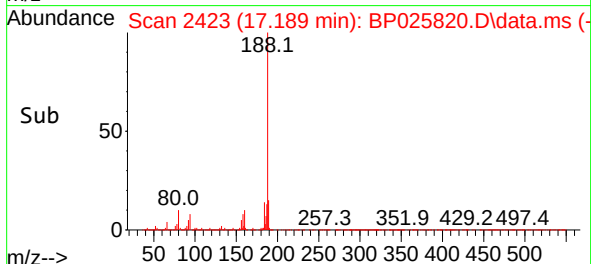
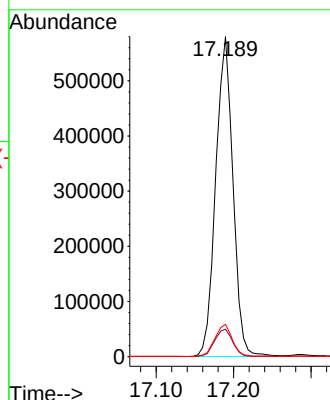
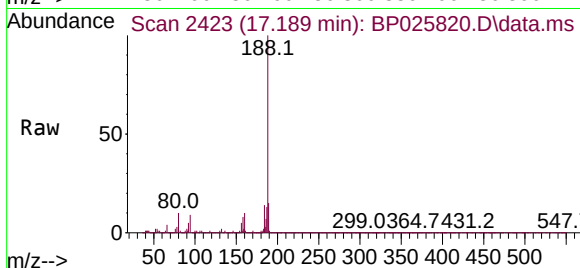
Tgt Ion:188 Resp: 897117

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.0

80 10.1 7.7 11.5



#71

Phenanthrene

Concen: 2.367 ng

RT: 17.230 min Scan# 2430

Delta R.T. 0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

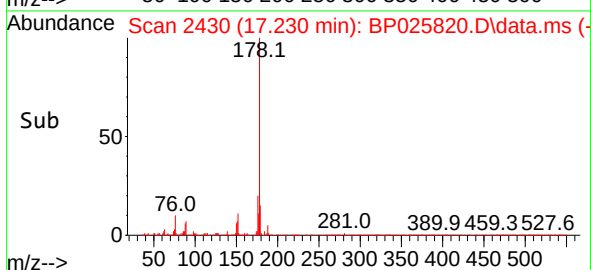
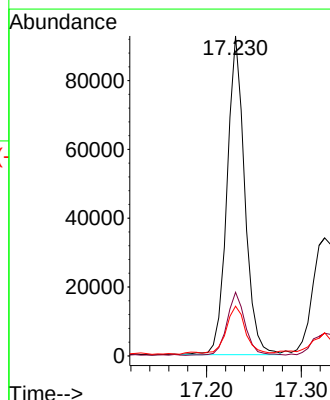
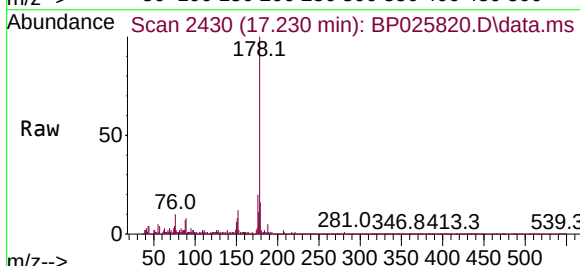
Tgt Ion:178 Resp: 120472

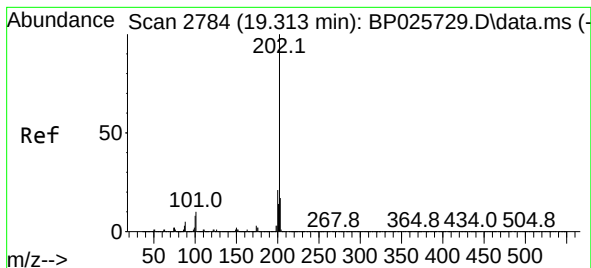
Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

179 15.5 12.2 18.4

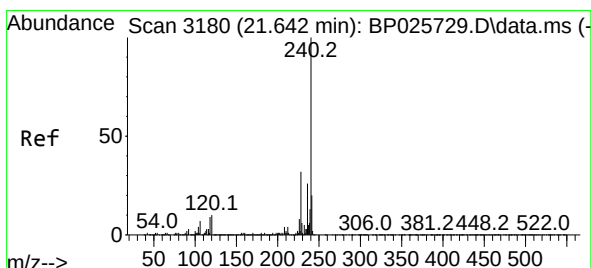
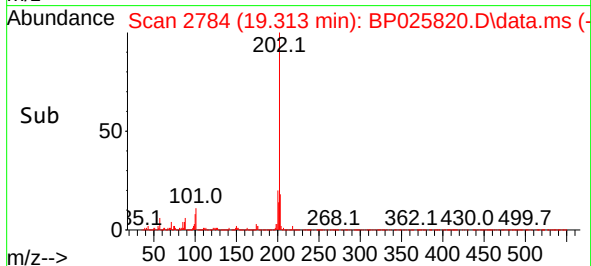
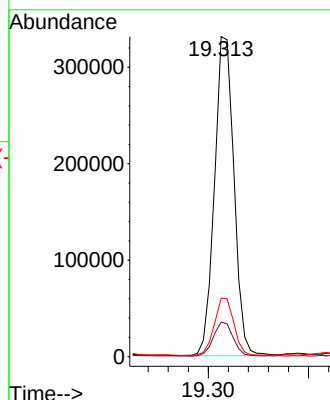
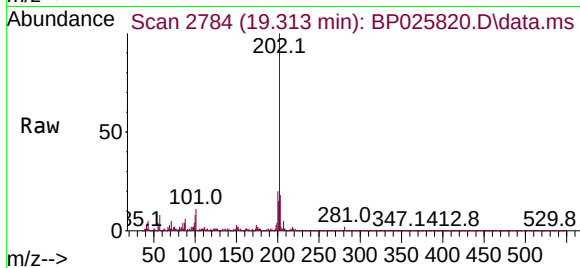




#75
Fluoranthene
Concen: 7.360 ng
RT: 19.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

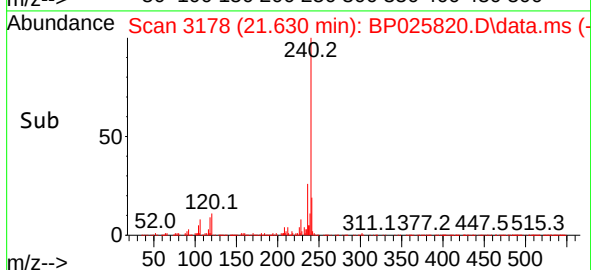
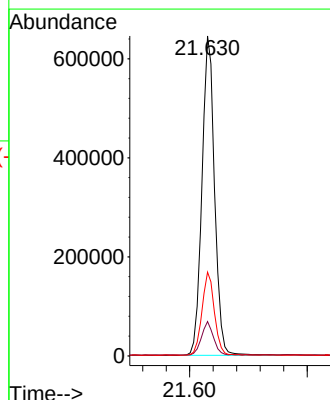
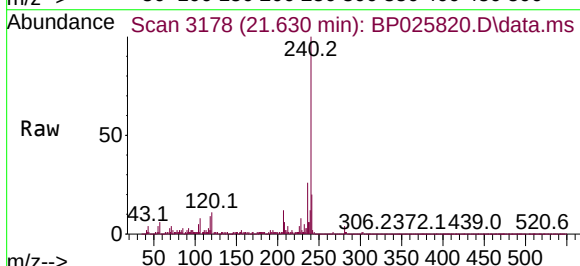
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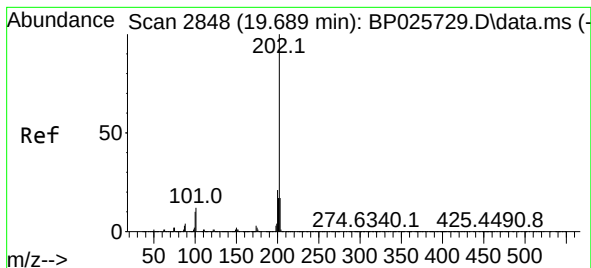
Tgt Ion:	202	Resp:	449195
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.4
203	18.3	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.012 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

Tgt Ion:	240	Resp:	960777
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	26.2	20.7	31.1





#78

Pyrene

Concen: 8.719 ng

RT: 19.695 min Scan# 2849

Delta R.T. 0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825

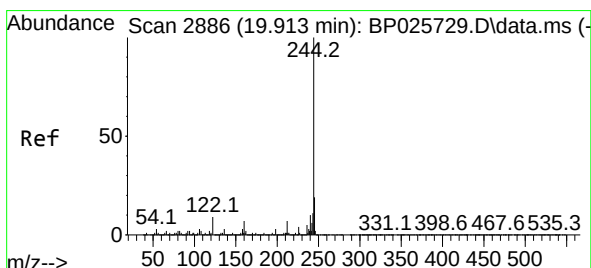
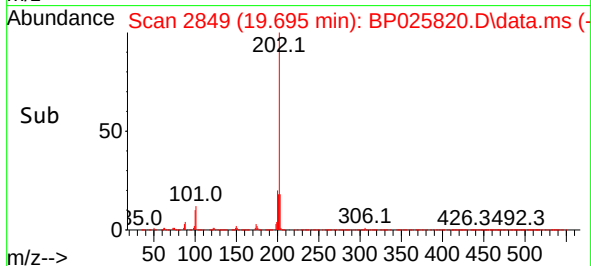
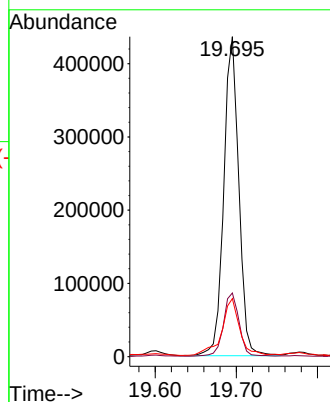
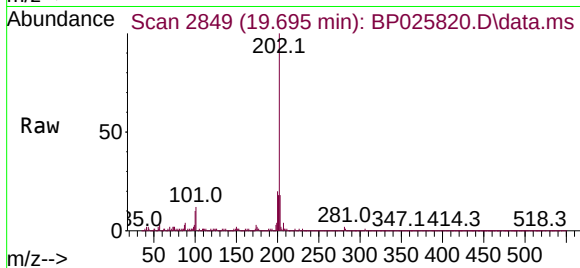
Tgt Ion:202 Resp: 558926

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.6

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 20.099 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.012 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

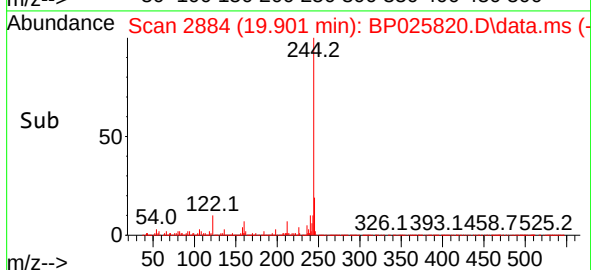
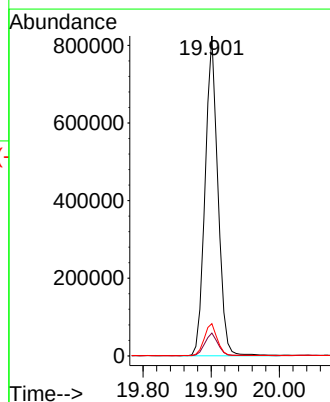
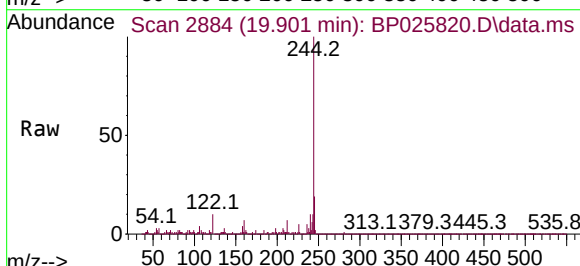
Tgt Ion:244 Resp: 1073444

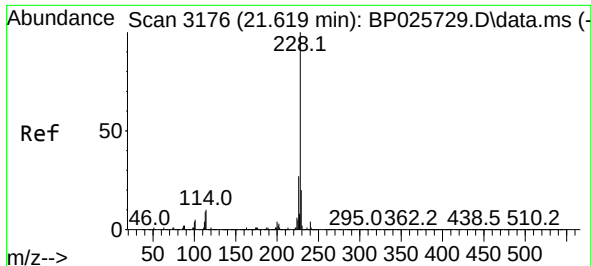
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.1 7.1 10.7

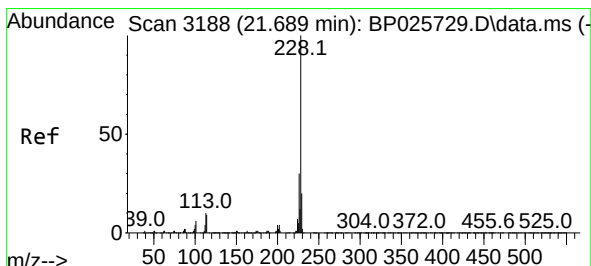
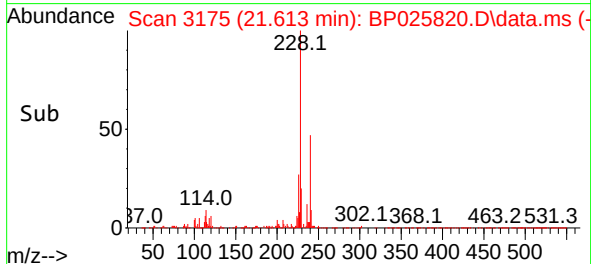
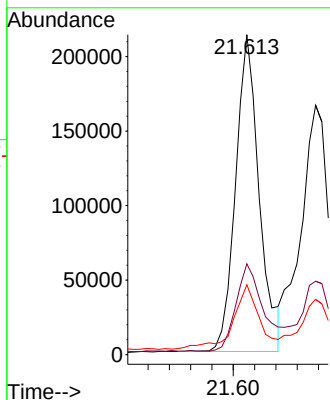
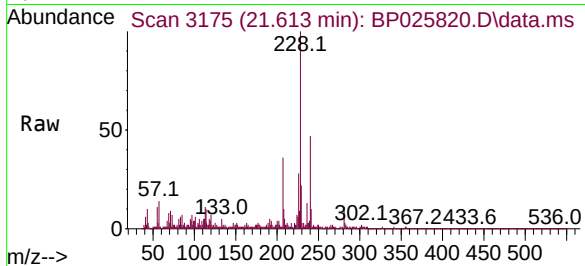




#81
Benzo(a)anthracene
Concen: 4.964 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

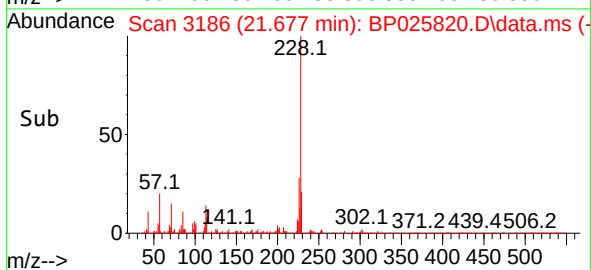
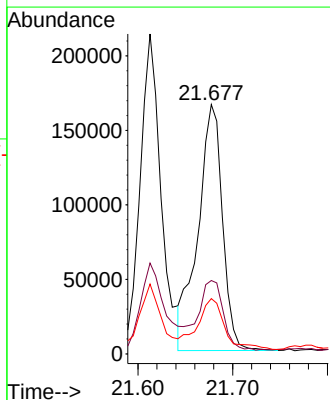
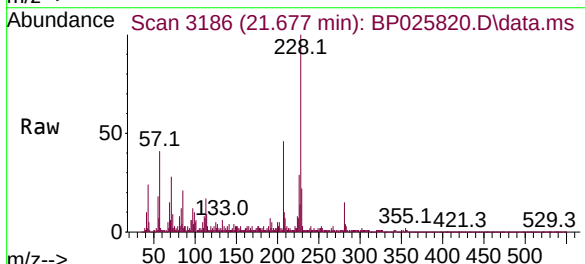
Instrument :
BNA_P
ClientSampleId :
TR-04-091825

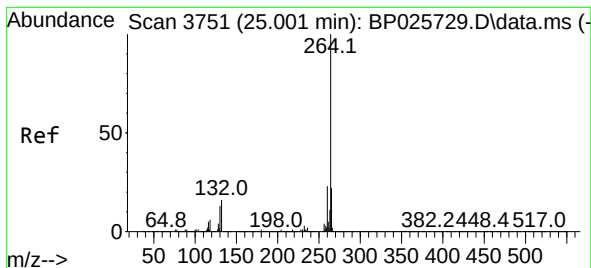
Tgt Ion:228 Resp: 326502
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 21.8 15.7 23.5



#83
Chrysene
Concen: 4.767 ng
RT: 21.677 min Scan# 3186
Delta R.T. -0.012 min
Lab File: BP025820.D
Acq: 22 Sep 2025 19:53

Tgt Ion:228 Resp: 298883
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 22.2 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: BP025820.D

Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825

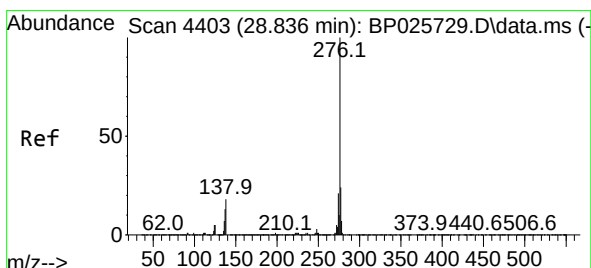
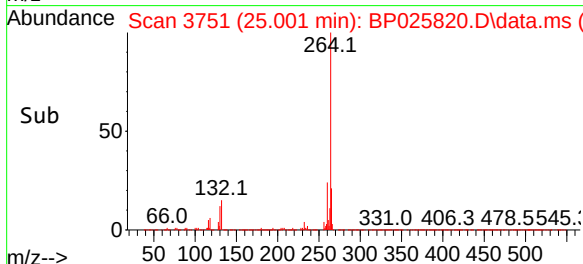
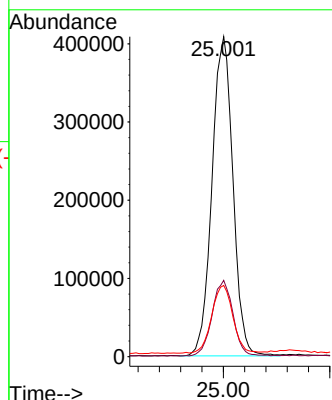
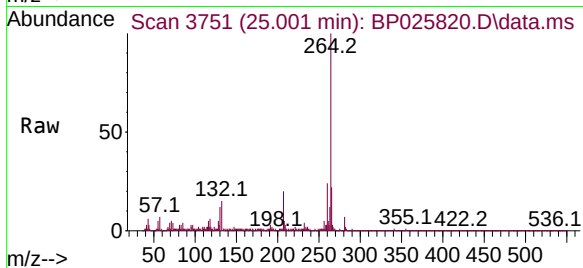
Tgt Ion:264 Resp: 1113424

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 22.2 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.303 ng

RT: 28.824 min Scan# 4401

Delta R.T. -0.012 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

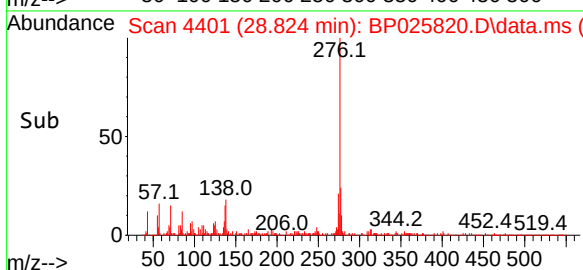
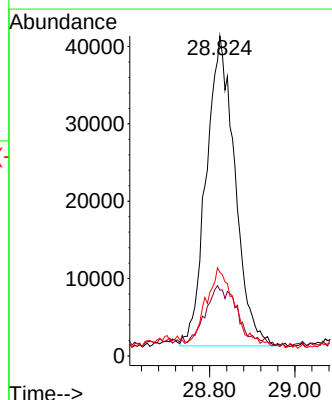
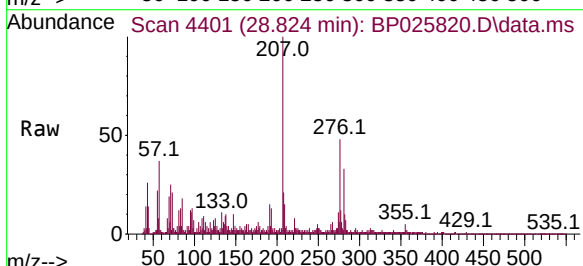
Tgt Ion:276 Resp: 186510

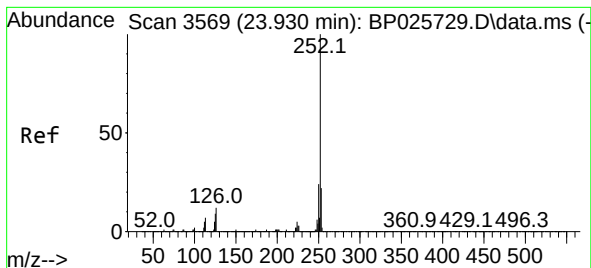
Ion Ratio Lower Upper

276 100

138 11.8 13.4 20.2#

277 25.6 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 5.345 ng

RT: 23.942 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825

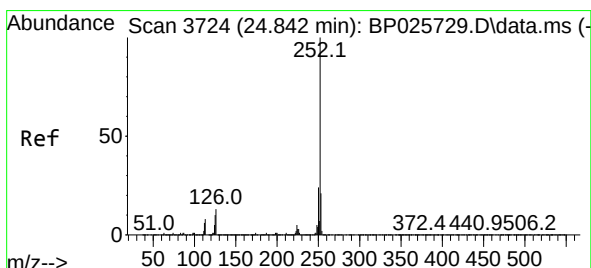
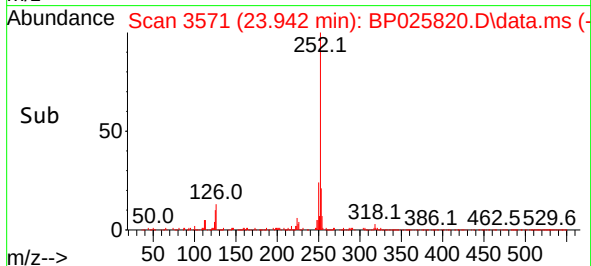
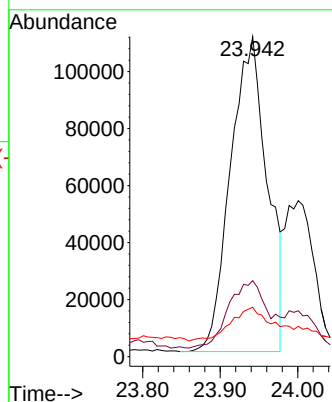
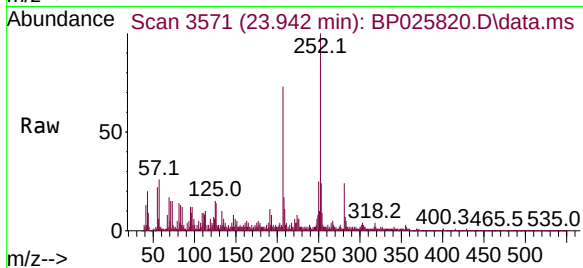
Tgt Ion:252 Resp: 363964

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 15.4 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 4.554 ng

RT: 24.836 min Scan# 3723

Delta R.T. -0.006 min

Lab File: BP025820.D

Acq: 22 Sep 2025 19:53

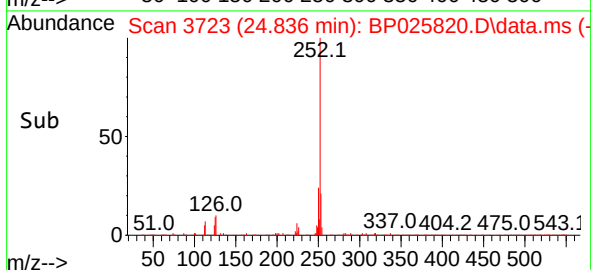
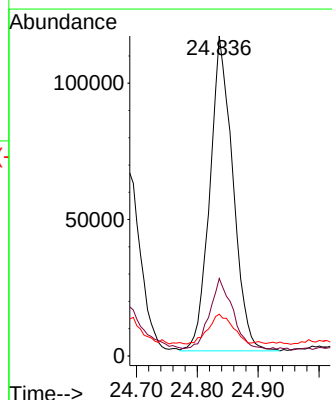
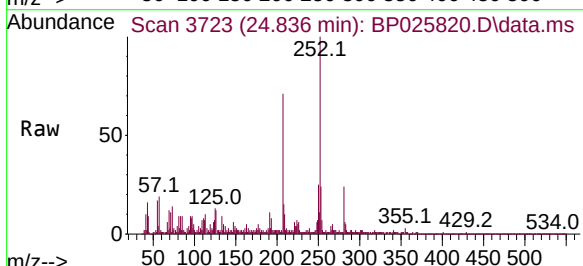
Tgt Ion:252 Resp: 303675

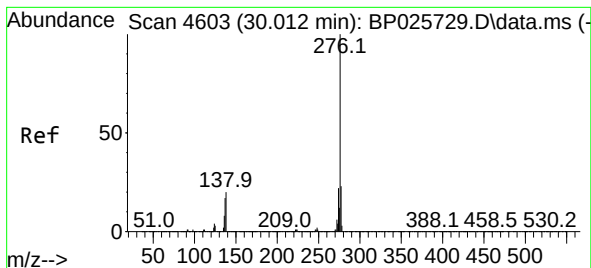
Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 13.0 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 3.033 ng

RT: 30.012 min Scan# 4603

Delta R.T. -0.000 min

Lab File: BP025820.D

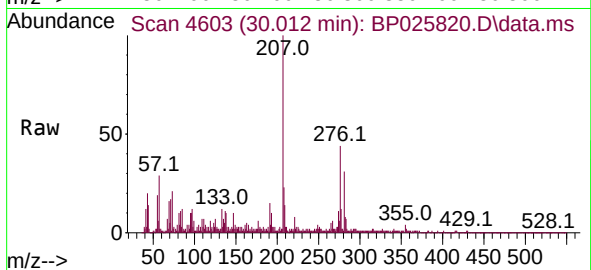
Acq: 22 Sep 2025 19:53

Instrument :

BNA_P

ClientSampleId :

TR-04-091825



Tgt Ion:276 Resp: 197642

Ion Ratio Lower Upper

276 100

277 27.0 18.7 28.1

138 23.7 16.0 24.0

