

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025817.D
 Acq On : 22 Sep 2025 17:49
 Operator : CG/JU
 Sample : Q3134-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LIVINGSTON-BIN-2-9-18-25

Quant Time: Sep 22 19:04:24 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)

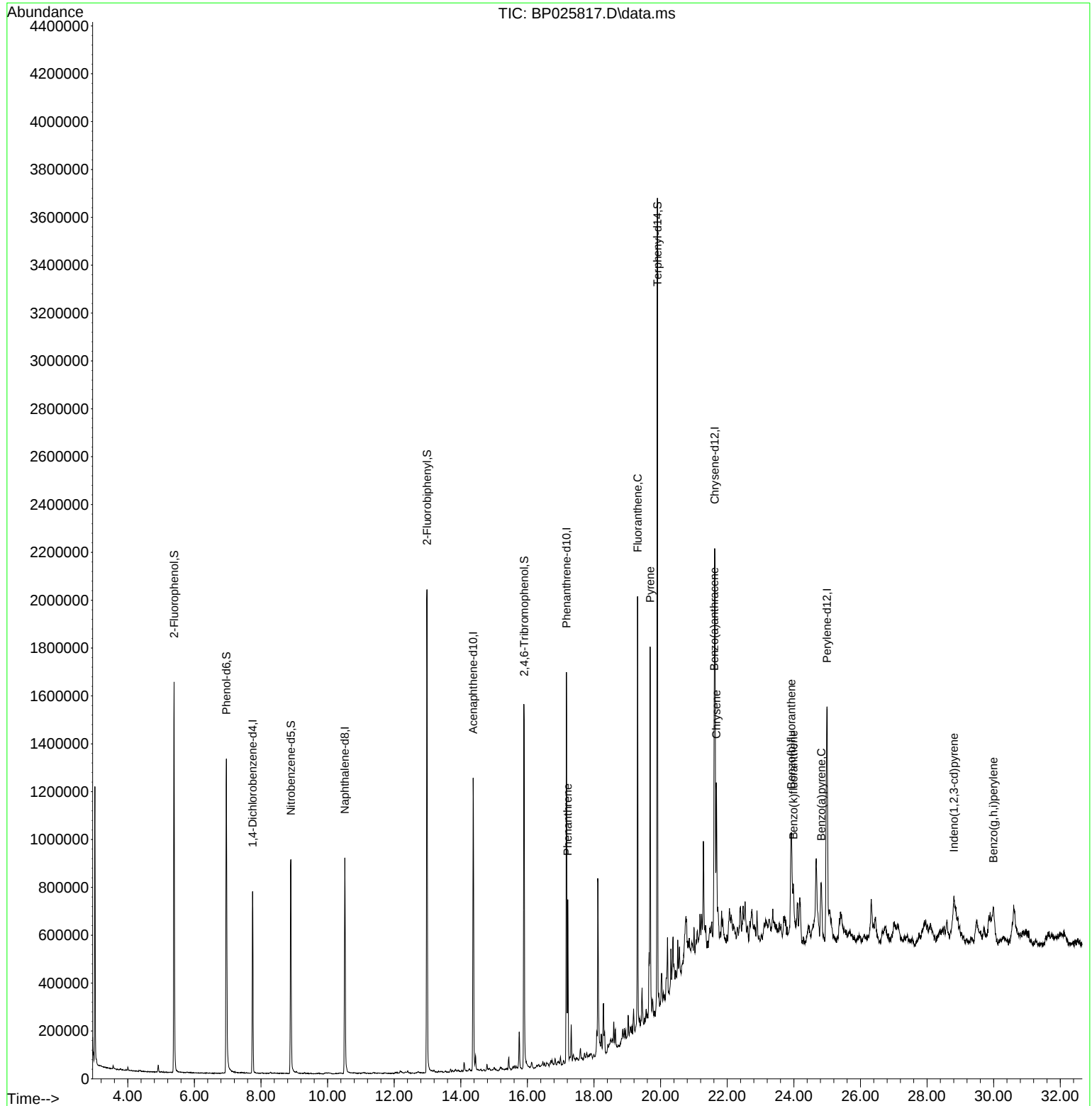
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	211786	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	808712	20.000	ng	0.00
39) Acenaphthene-d10	14.372	164	498857	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	938871	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	980012	20.000	ng	-0.02
86) Perylene-d12	24.995	264	1101392	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	731924	55.764	ng	0.00
7) Phenol-d6	6.961	99	909007	52.104	ng	0.01
23) Nitrobenzene-d5	8.896	82	583553	31.830	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	311545	50.070	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	1217738	32.503	ng	0.00
79) Terphenyl-d14	19.901	244	1690593	31.034	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.213	178	390016	7.323	ng	99
75) Fluoranthene	19.307	202	962997	15.077	ng	100
78) Pyrene	19.683	202	881092	13.474	ng	99
81) Benzo(a)anthracene	21.607	228	394365	5.878	ng	96
83) Chrysene	21.672	228	440975	6.895	ng	96
87) Indeno(1,2,3-cd)pyrene	28.806	276	216369	2.701	ng	# 83
88) Benzo(b)fluoranthene	23.918	252	543217	8.065	ng	# 98
89) Benzo(k)fluoranthene	23.983	252	191498m	2.786	ng	
90) Benzo(a)pyrene	24.824	252	332014	5.034	ng	96
92) Benzo(g,h,i)perylene	29.995	276	210064	3.259	ng	99

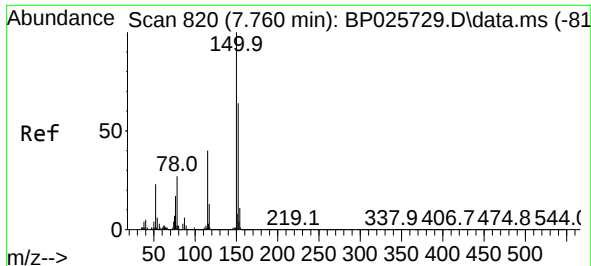
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
Data File : BP025817.D
Acq On : 22 Sep 2025 17:49
Operator : CG/JU
Sample : Q3134-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-BIN-2-9-18-25

Quant Time: Sep 22 19:04:24 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

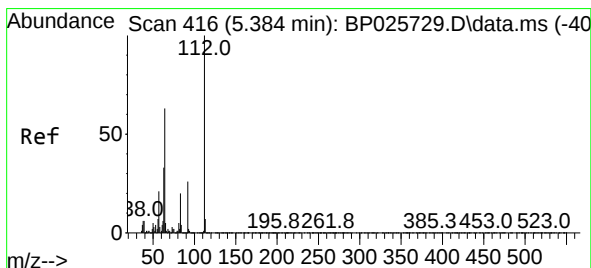
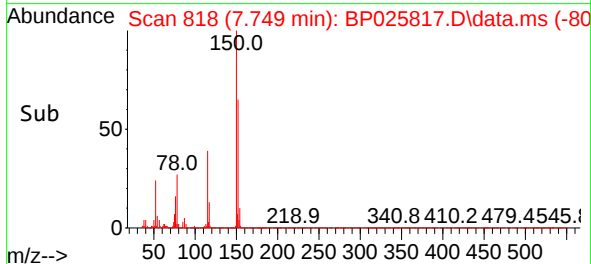
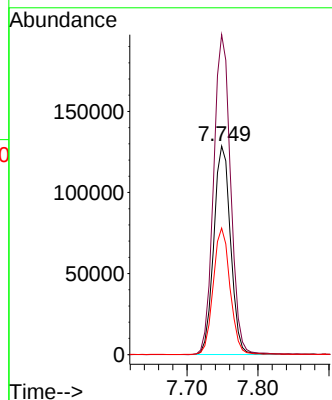
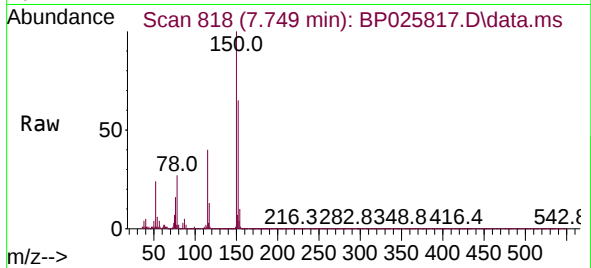




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

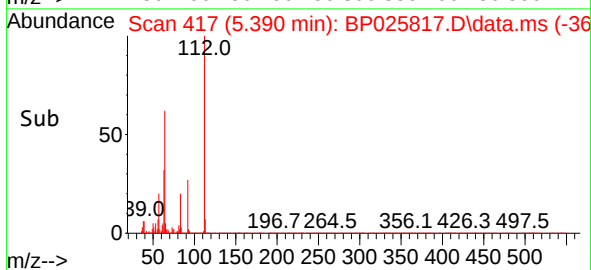
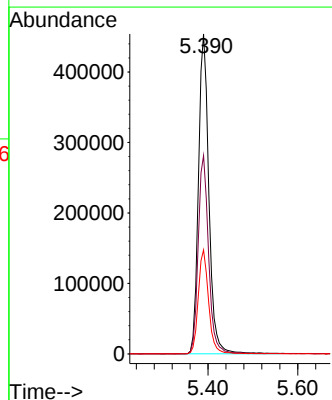
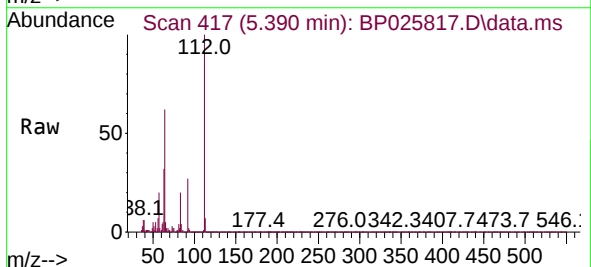
Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-BIN-2-9-18-25

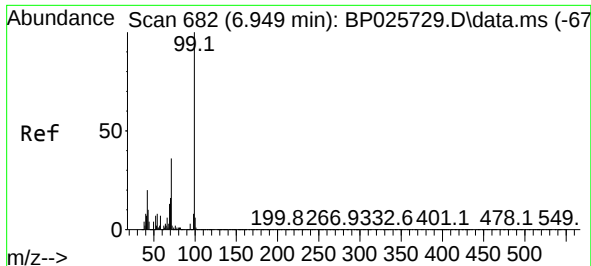
Tgt Ion:152 Resp: 211786
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 60.7 50.3 75.5



#5
2-Fluorophenol
Concen: 55.764 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

Tgt Ion:112 Resp: 731924
Ion Ratio Lower Upper
112 100
64 62.0 50.2 75.4
63 32.5 26.7 40.1

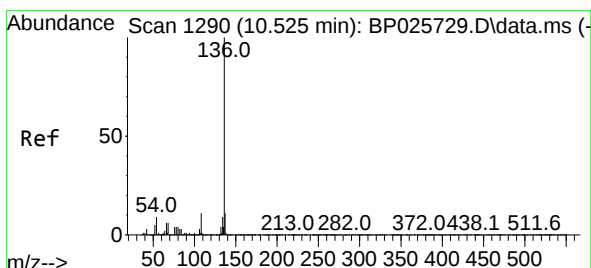
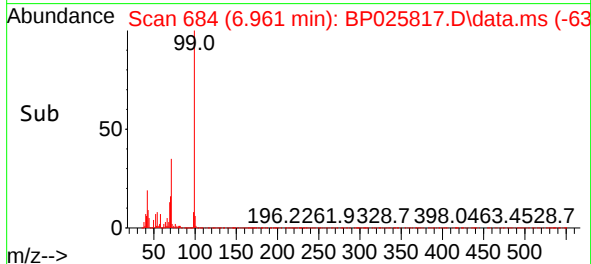
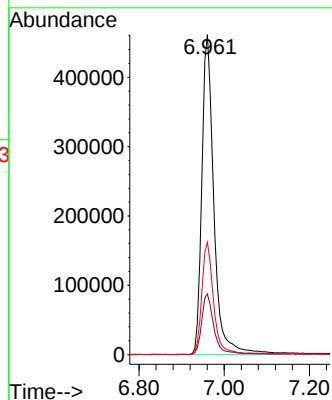
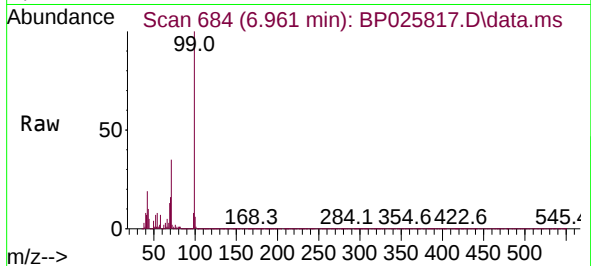




#7
Phenol-d6
Concen: 52.104 ng
RT: 6.961 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

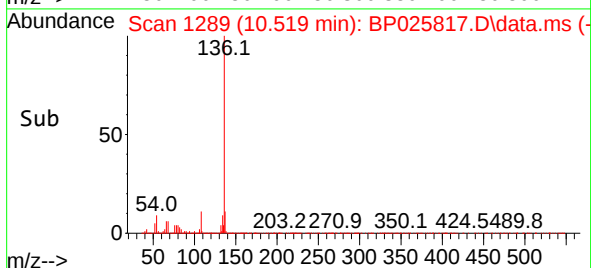
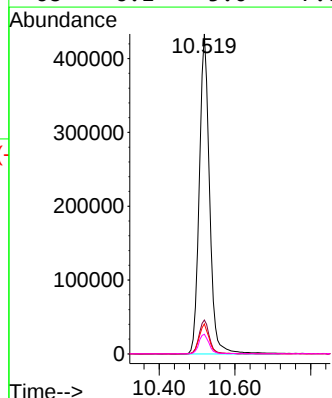
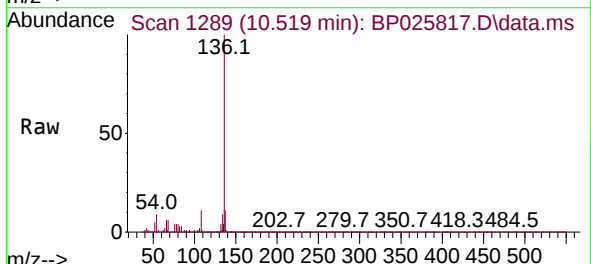
Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-BIN-2-9-18-25

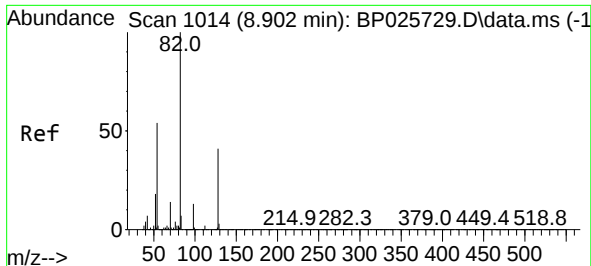
Tgt Ion: 99 Resp: 909007
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 35.1 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

Tgt Ion: 136 Resp: 808712
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 9.4 7.5 11.3
68 6.1 5.0 7.6

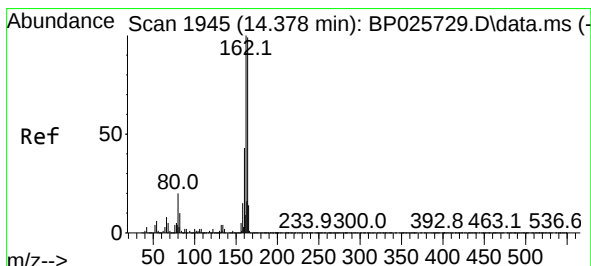
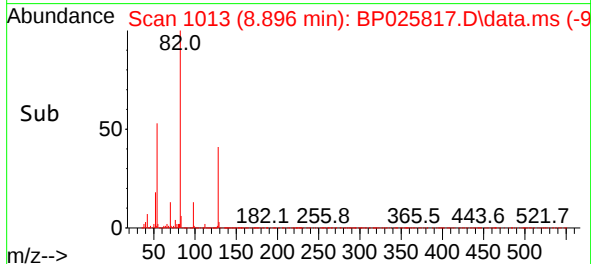
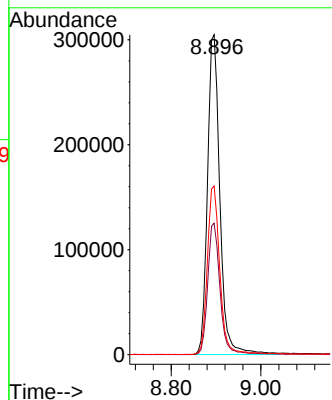
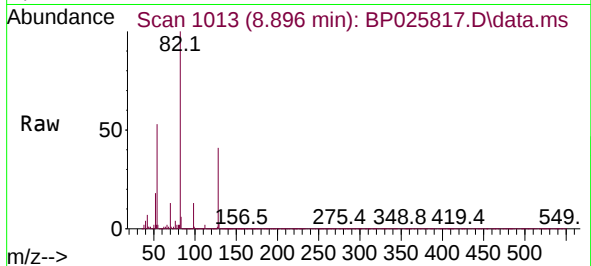




#23
Nitrobenzene-d5
Concen: 31.830 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

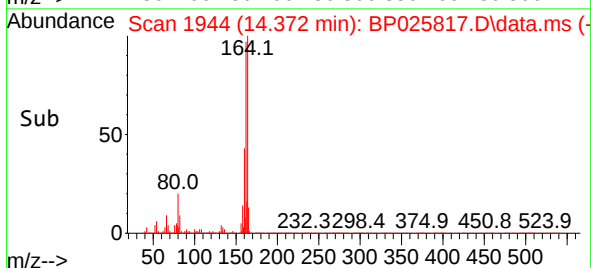
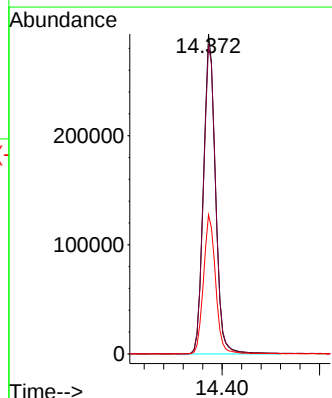
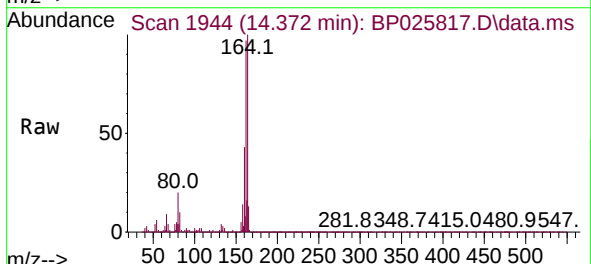
Instrument :
BNA_P
ClientSampleId :
LIVINGSTON-BIN-2-9-18-25

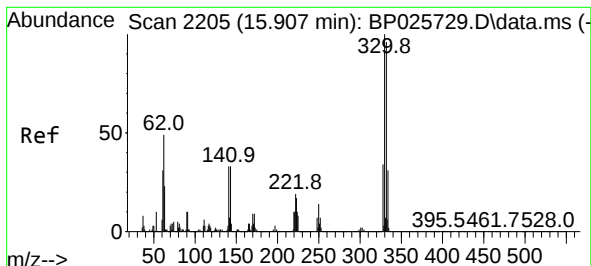
Tgt Ion: 82 Resp: 583553
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 52.7 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

Tgt Ion:164 Resp: 498857
Ion Ratio Lower Upper
164 100
162 96.8 80.6 120.8
160 43.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 50.070 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

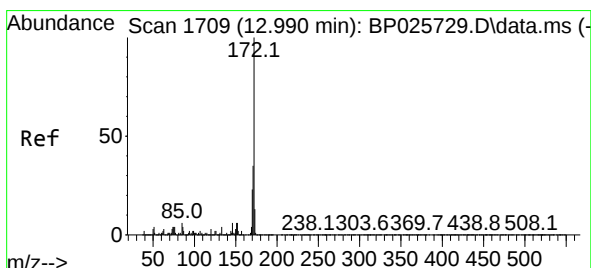
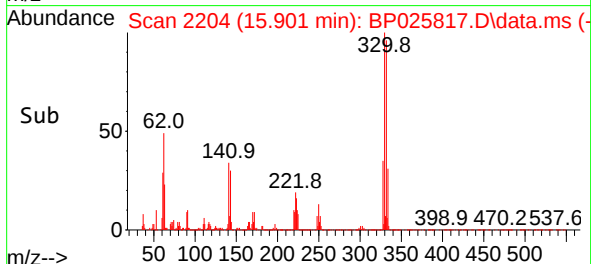
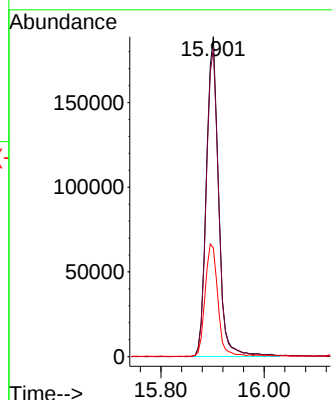
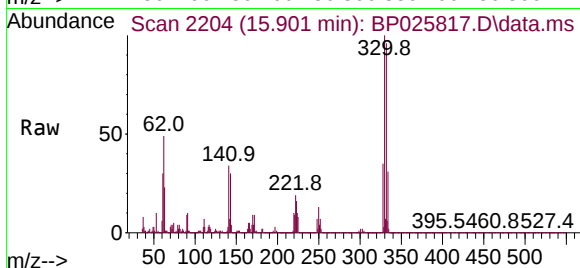
Tgt Ion:330 Resp: 311545

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 36.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 32.503 ng

RT: 12.984 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

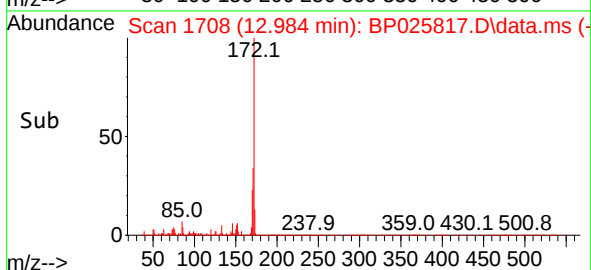
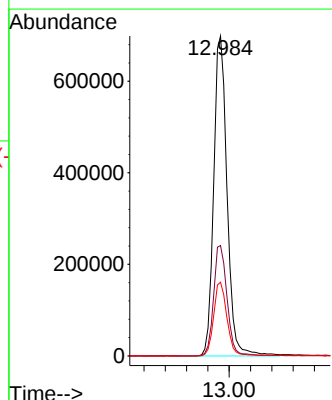
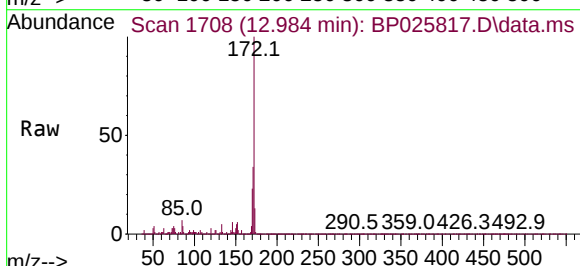
Tgt Ion:172 Resp: 1217738

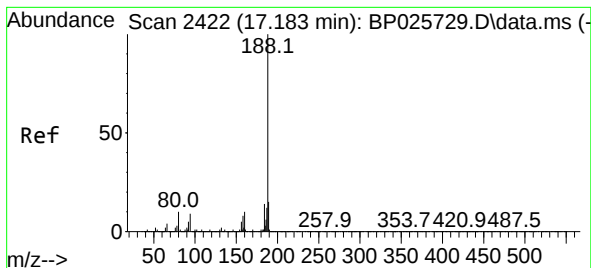
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

170 23.0 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

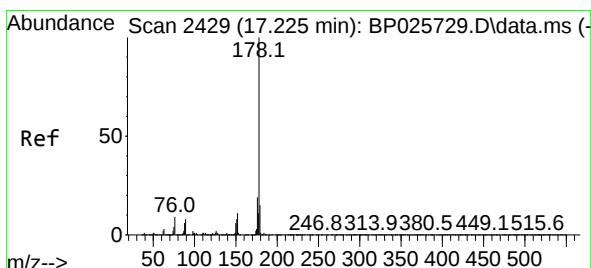
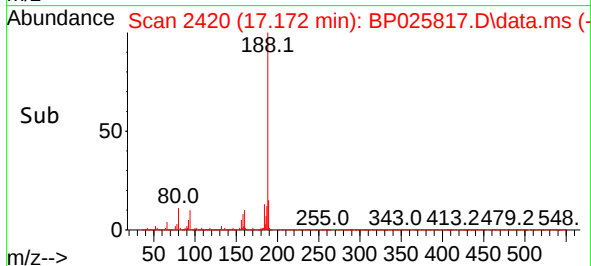
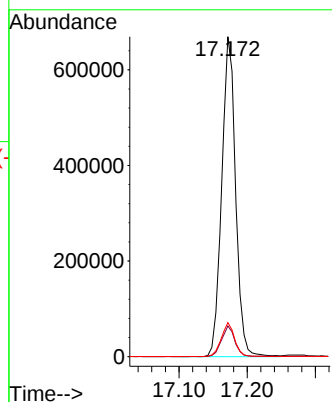
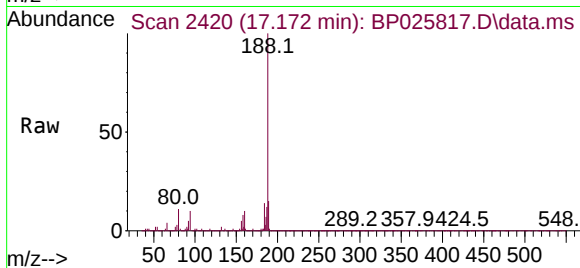
Tgt Ion:188 Resp: 938871

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.0

80 10.6 7.7 11.5



#71

Phenanthrene

Concen: 7.323 ng

RT: 17.213 min Scan# 2427

Delta R.T. -0.012 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

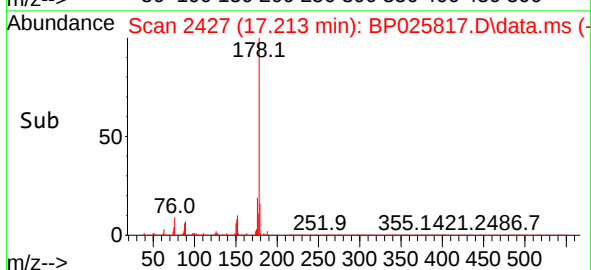
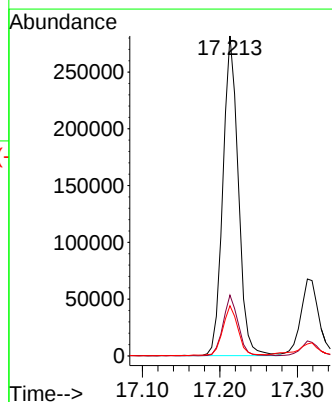
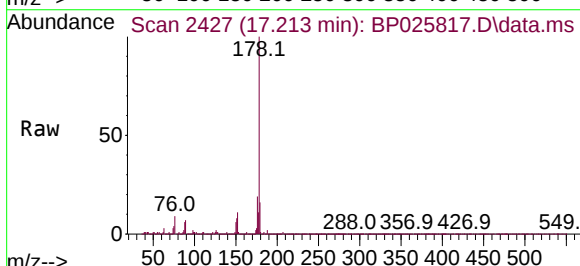
Tgt Ion:178 Resp: 390016

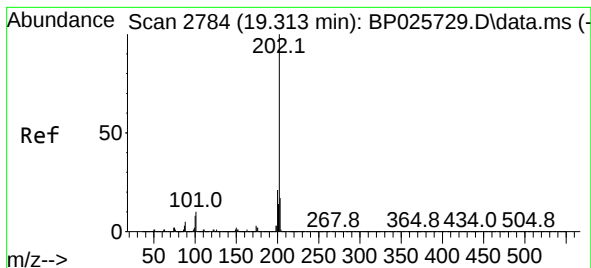
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 15.077 ng

RT: 19.307 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

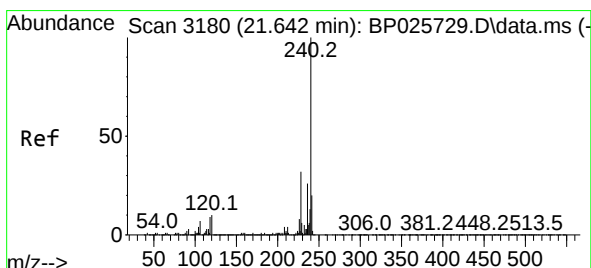
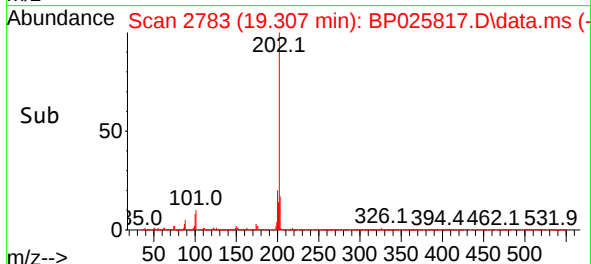
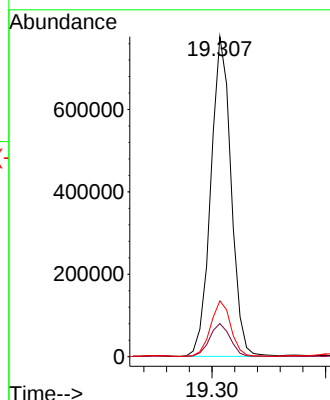
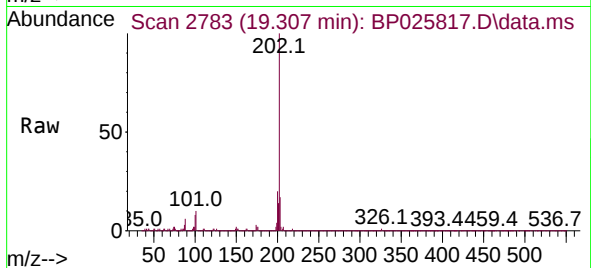
Tgt Ion:202 Resp: 962997

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.4

203 17.5 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: BP025817.D

Acq: 22 Sep 2025 17:49

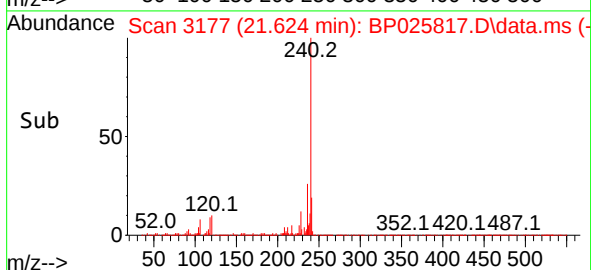
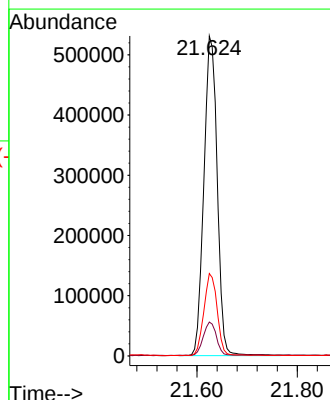
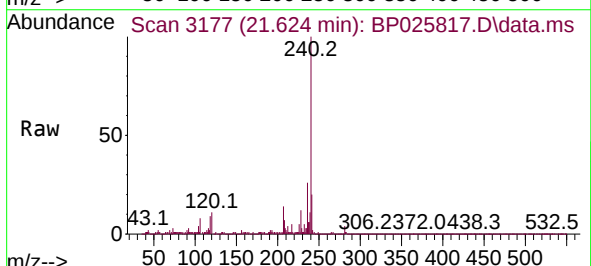
Tgt Ion:240 Resp: 980012

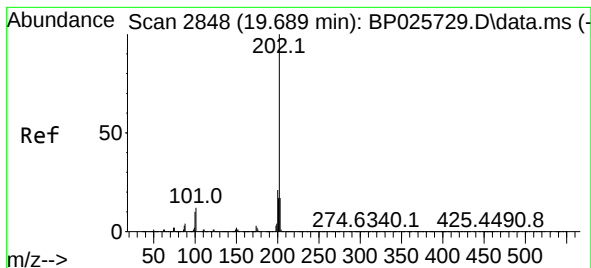
Ion Ratio Lower Upper

240 100

120 10.6 8.0 12.0

236 25.7 20.7 31.1





#78

Pyrene

Concen: 13.474 ng

RT: 19.683 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

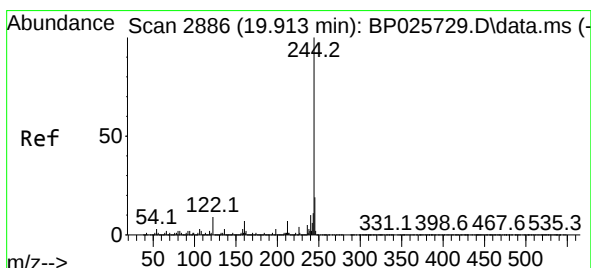
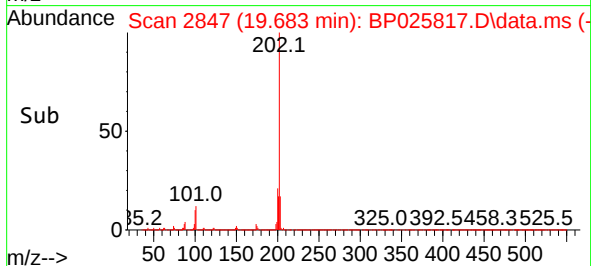
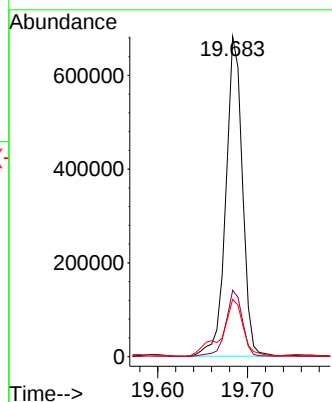
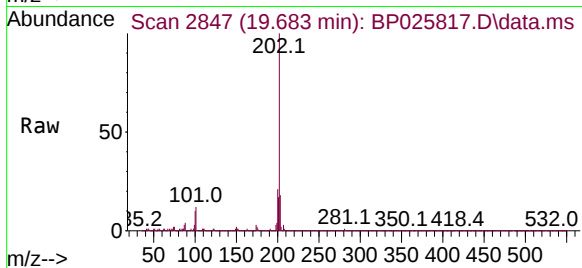
Tgt Ion:202 Resp: 881092

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 31.034 ng

RT: 19.901 min Scan# 2884

Delta R.T. -0.012 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

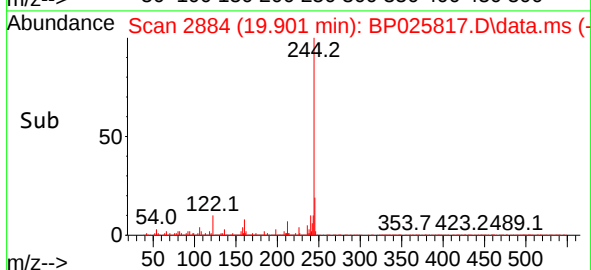
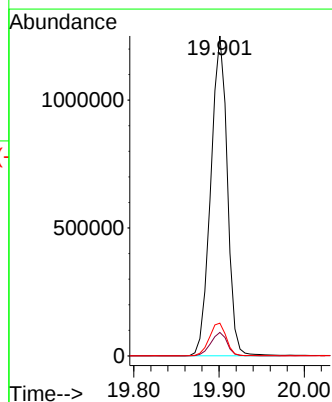
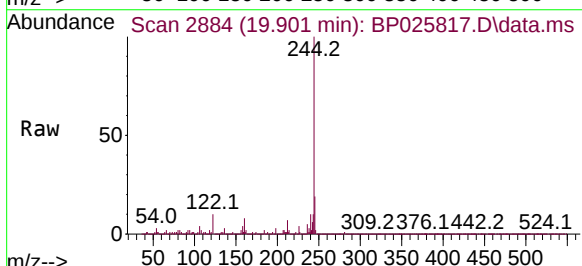
Tgt Ion:244 Resp: 1690593

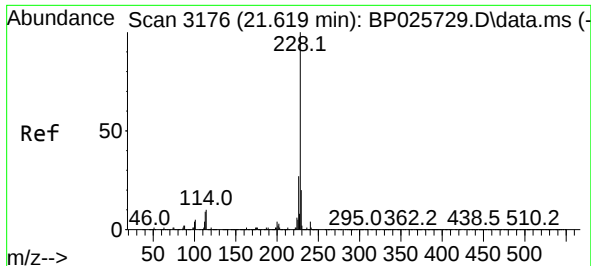
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 10.2 7.1 10.7

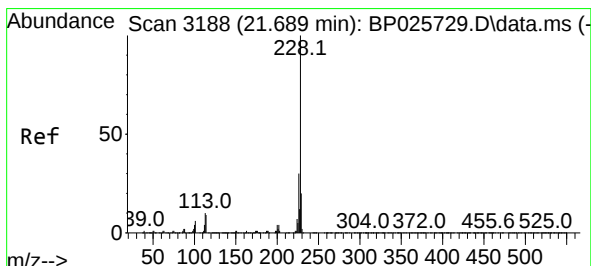
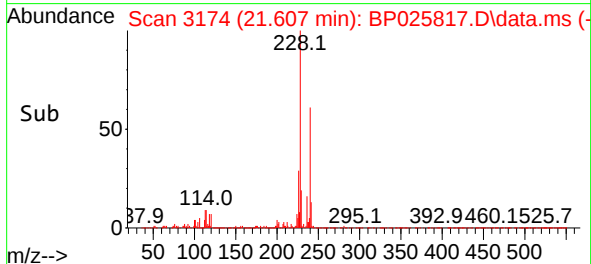
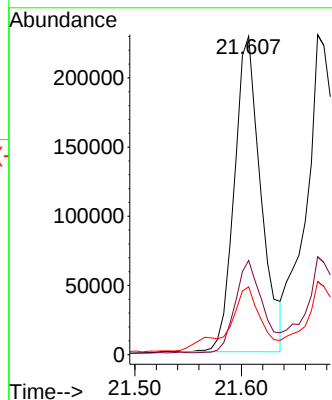
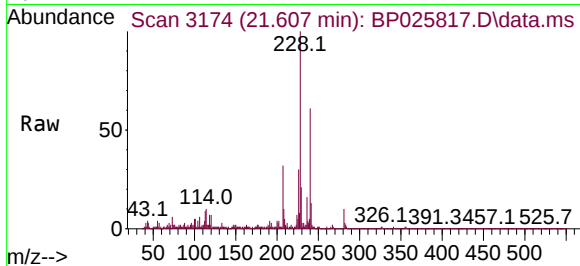




#81
Benzo(a)anthracene
Concen: 5.878 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.012 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

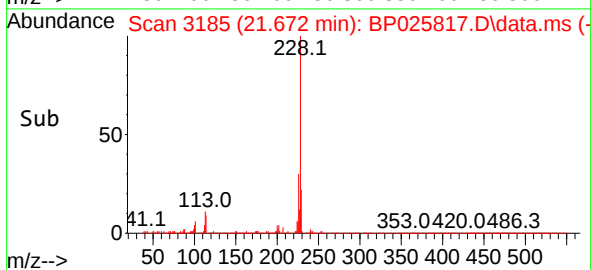
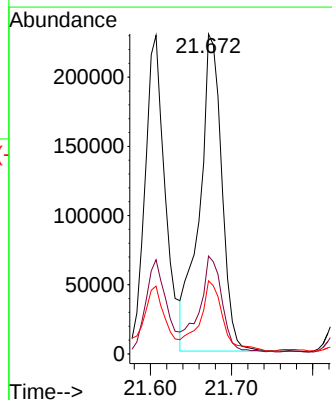
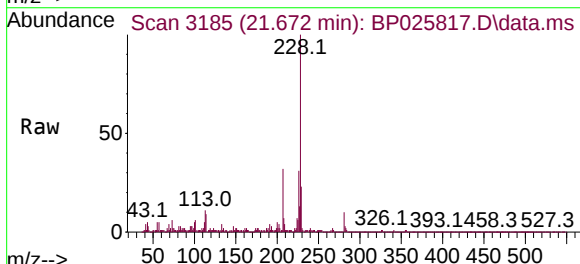
Instrument : BNA_P
ClientSampleId : LIVINGSTON-BIN-2-9-18-25

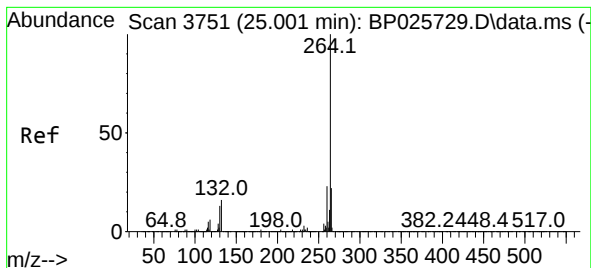
Tgt Ion:228 Resp: 394365
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 21.3 15.7 23.5



#83
Chrysene
Concen: 6.895 ng
RT: 21.672 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025817.D
Acq: 22 Sep 2025 17:49

Tgt Ion:228 Resp: 440975
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

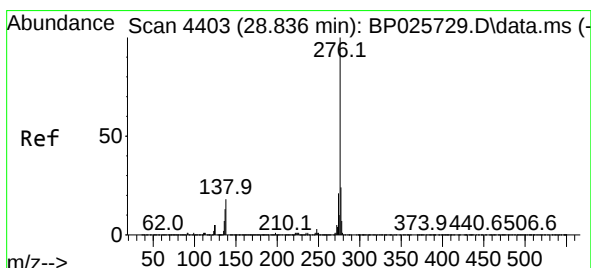
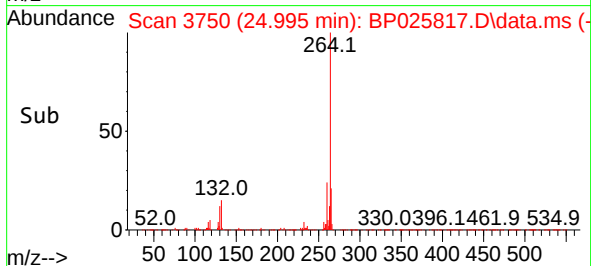
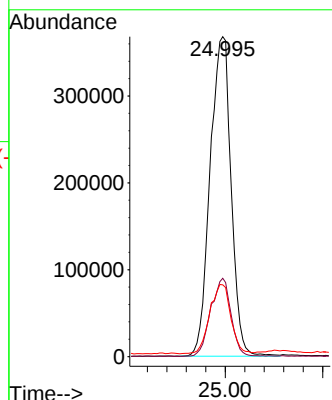
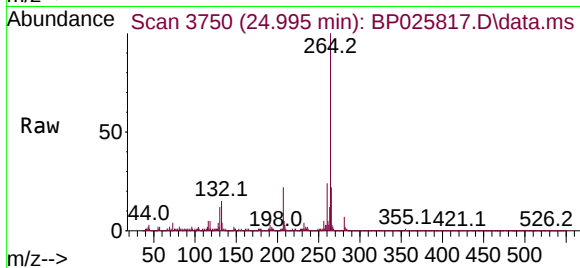
Tgt Ion:264 Resp: 1101392

Ion Ratio Lower Upper

264 100

260 24.5 18.3 27.5

265 22.4 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.701 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.029 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

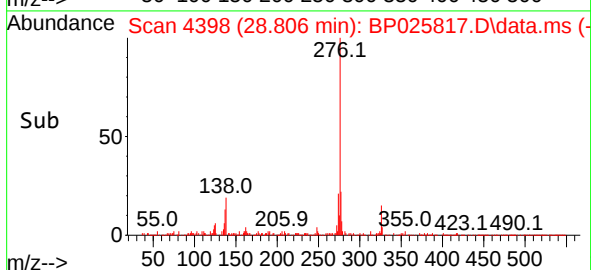
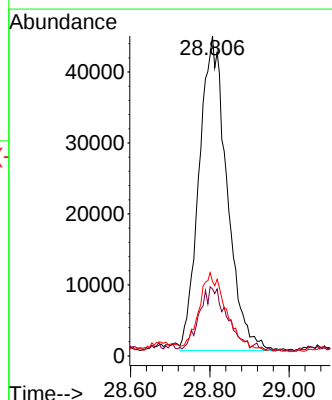
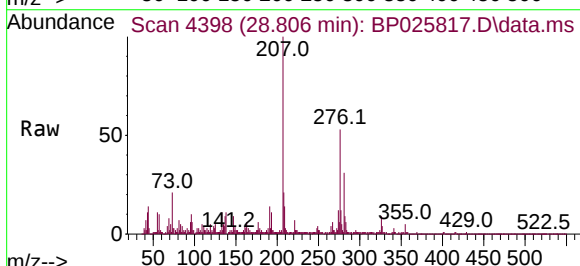
Tgt Ion:276 Resp: 216369

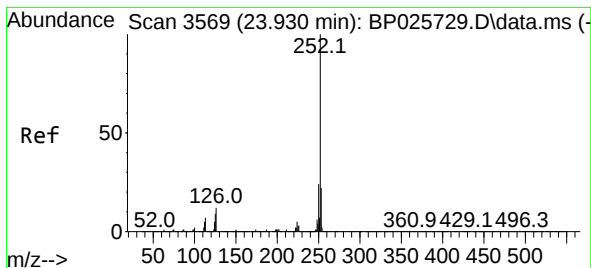
Ion Ratio Lower Upper

276 100

138 19.4 13.4 20.2

277 24.1 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 8.065 ng

RT: 23.918 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

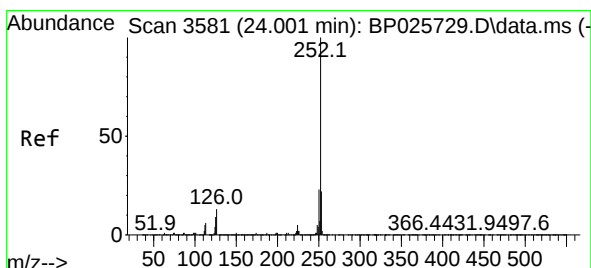
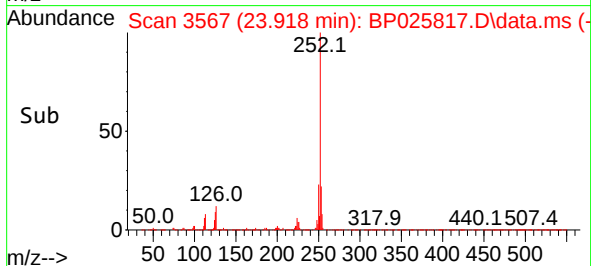
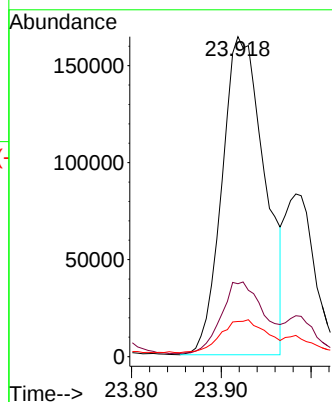
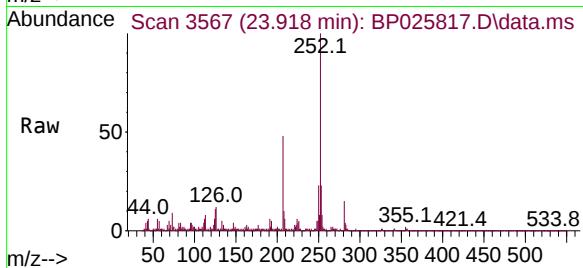
Tgt Ion:252 Resp: 543217

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 11.0 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 2.786 ng m

RT: 23.983 min Scan# 3578

Delta R.T. -0.018 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

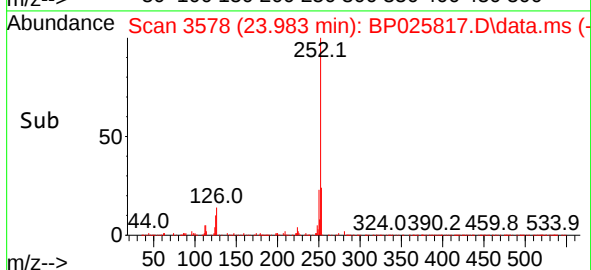
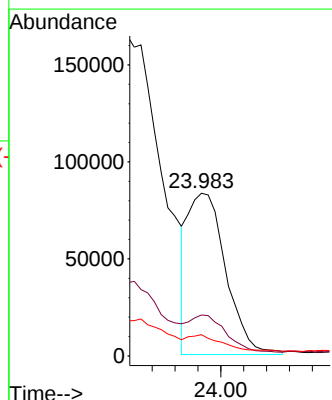
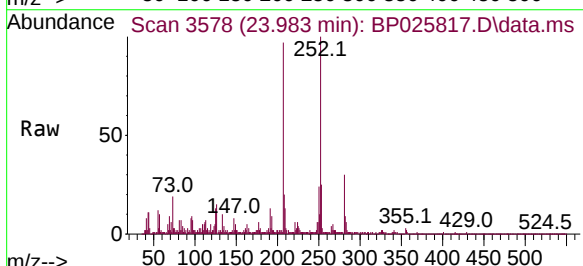
Tgt Ion:252 Resp: 191498

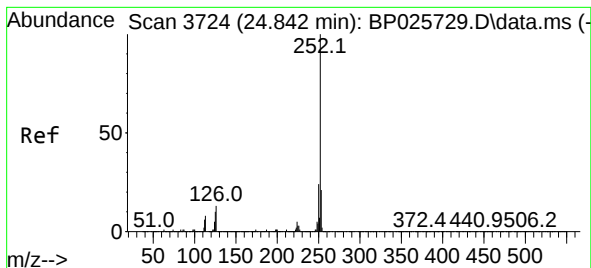
Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 13.0 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 5.034 ng

RT: 24.824 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Instrument :

BNA_P

ClientSampleId :

LIVINGSTON-BIN-2-9-18-25

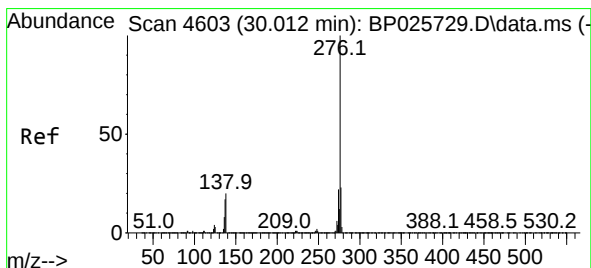
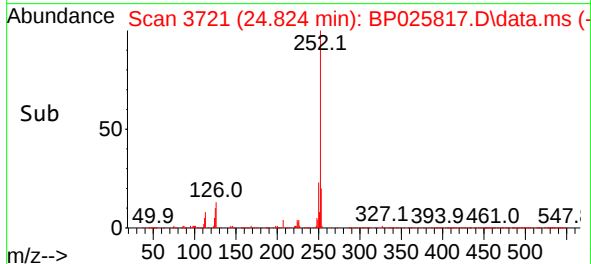
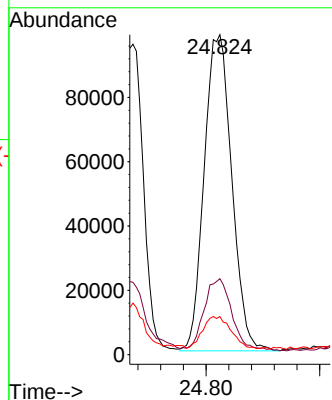
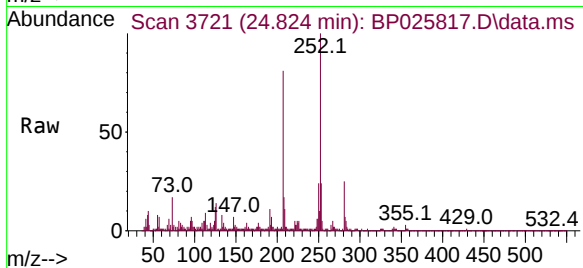
Tgt Ion:252 Resp: 332014

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 11.9 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 3.259 ng

RT: 29.995 min Scan# 4600

Delta R.T. -0.018 min

Lab File: BP025817.D

Acq: 22 Sep 2025 17:49

Tgt Ion:276 Resp: 210064

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 20.0 16.0 24.0

