

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025537.D
 Acq On : 21 Aug 2025 12:53
 Operator : CG/JU
 Sample : Q2832-09 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TG-S05

Quant Time: Aug 21 13:49:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

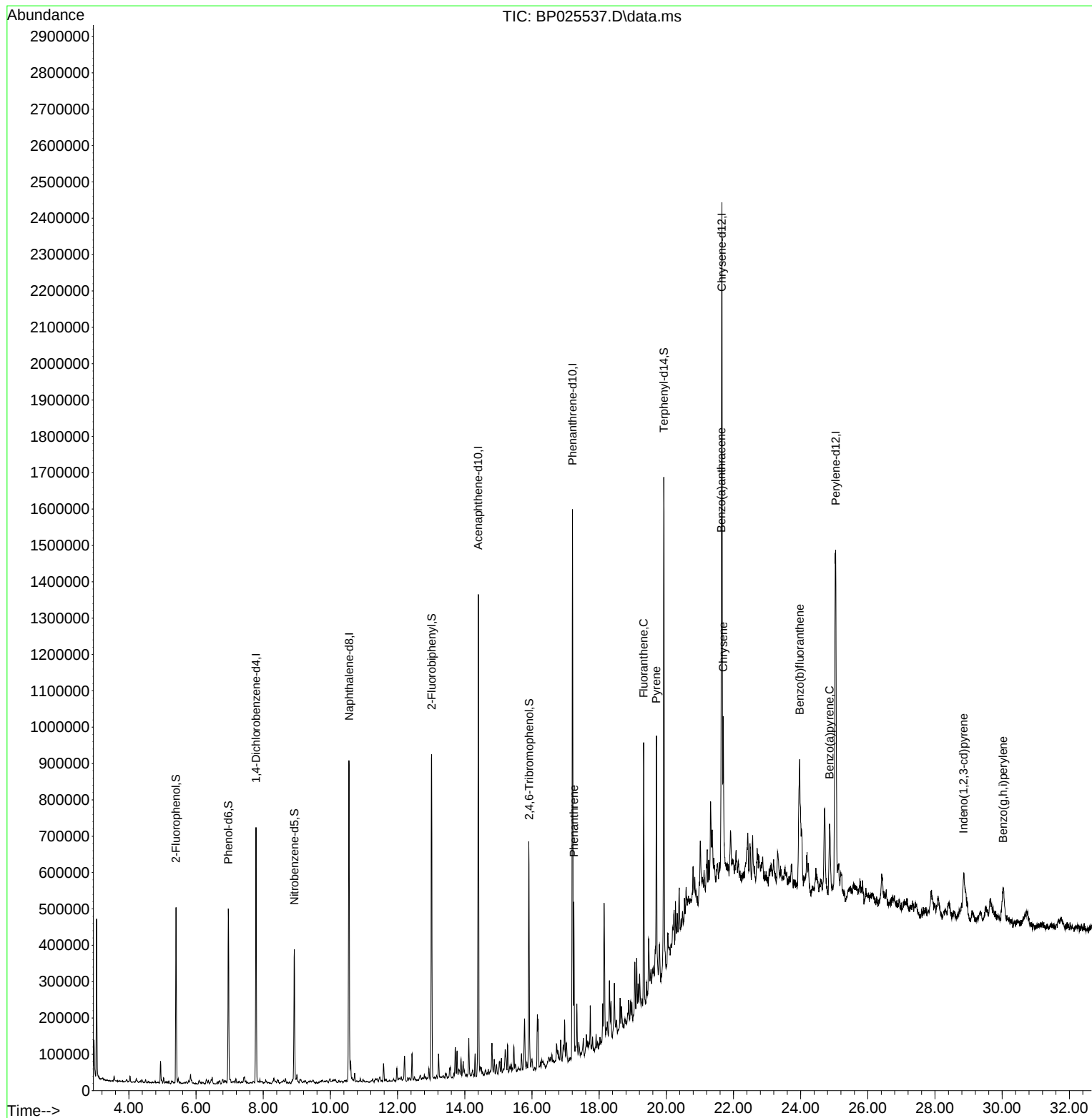
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	185117	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	725235	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	450660	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	892132	20.000	ng	0.00
76) Chrysene-d12	21.654	240	915666	20.000	ng	0.00
86) Perylene-d12	25.042	264	1087701	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	206341	18.511	ng	0.00
7) Phenol-d6	6.960	99	277731	19.434	ng	0.00
23) Nitrobenzene-d5	8.925	82	209917	14.642	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	107686	17.753	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	507527	15.391	ng	0.00
79) Terphenyl-d14	19.924	244	745273	14.891	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.248	178	239345	4.884	ng	99
75) Fluoranthene	19.324	202	429862	7.353	ng	99
78) Pyrene	19.701	202	387173	6.505	ng	100
81) Benzo(a)anthracene	21.636	228	247055	4.091	ng	95
83) Chrysene	21.695	228	295150	5.219	ng	97
87) Indeno(1,2,3-cd)pyrene	28.847	276	199747	2.504	ng	# 95
88) Benzo(b)fluoranthene	23.971	252	443701	6.918	ng	96
90) Benzo(a)pyrene	24.859	252	213524	3.420	ng	# 96
92) Benzo(g,h,i)perylene	30.024	276	197045	3.075	ng	98

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

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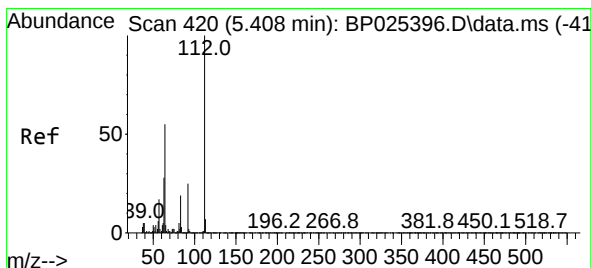
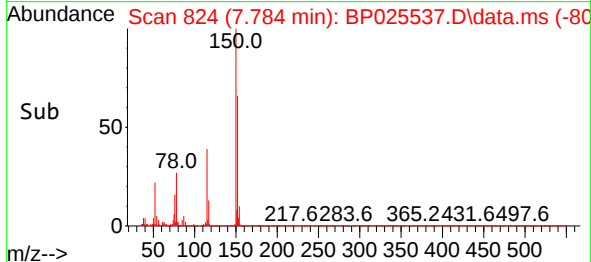
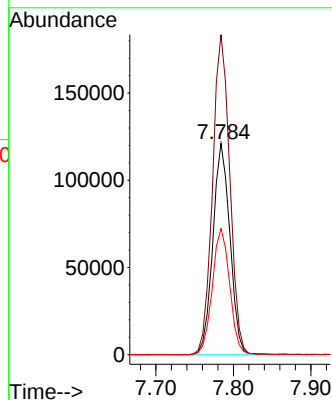
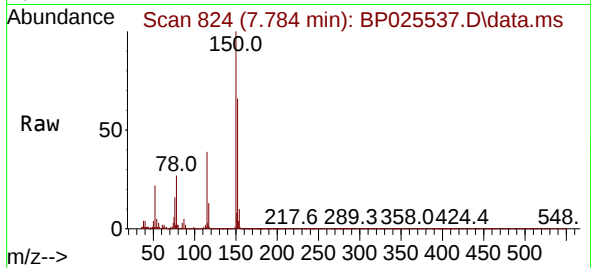




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

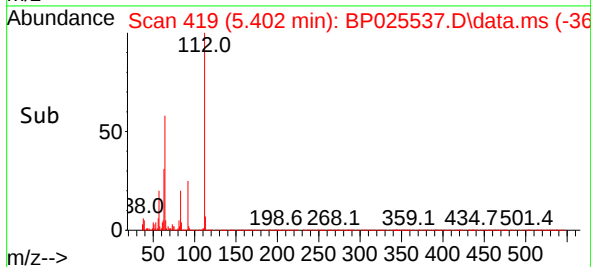
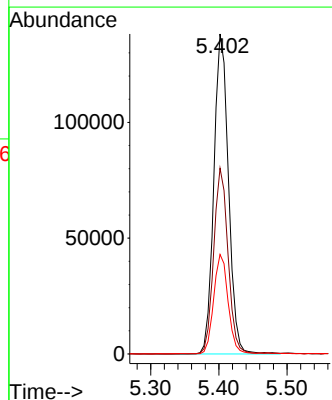
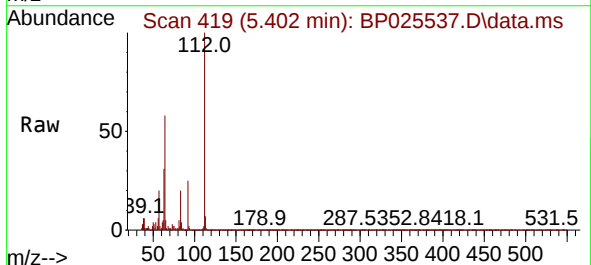
Instrument :
BNA_P
ClientSampleId :
TG-S05

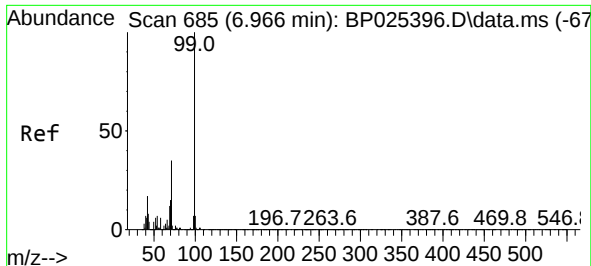
Tgt Ion:152 Resp: 185117
Ion Ratio Lower Upper
152 100
150 151.4 125.9 188.9
115 59.7 48.5 72.7



#5
2-Fluorophenol
Concen: 18.511 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:112 Resp: 206341
Ion Ratio Lower Upper
112 100
64 58.1 43.8 65.8
63 31.1 22.7 34.1

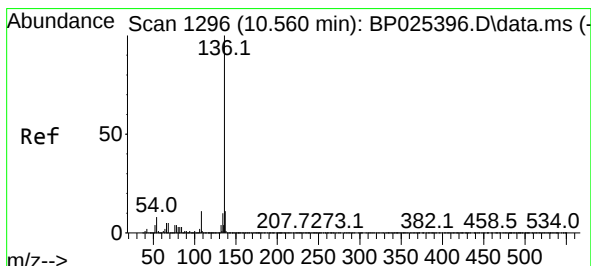
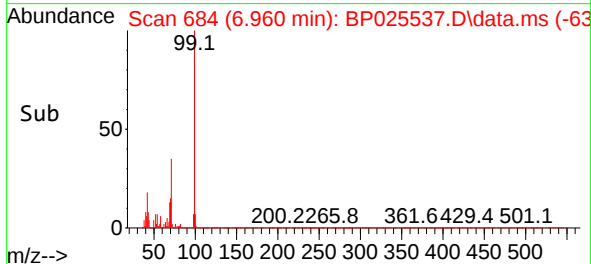
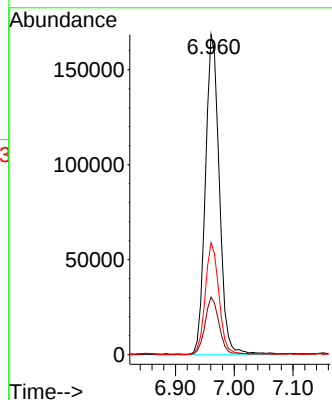
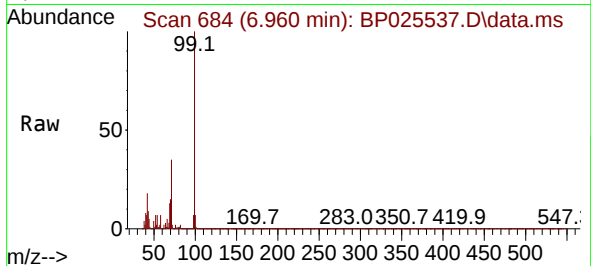




#7
Phenol-d6
Concen: 19.434 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

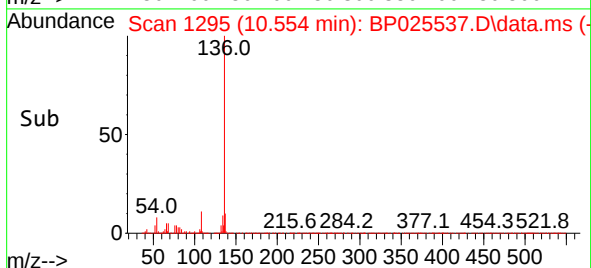
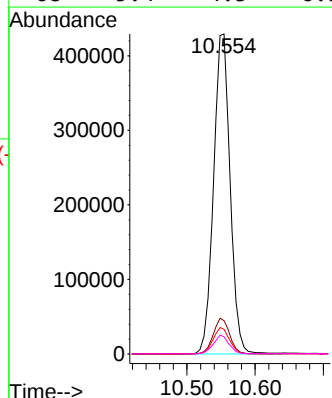
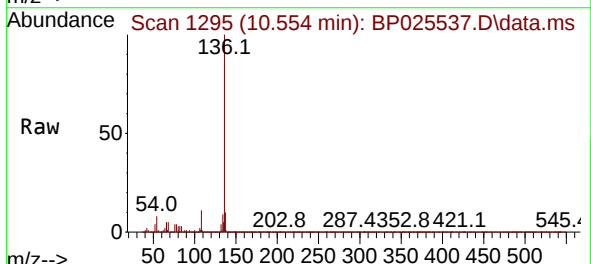
Instrument :
BNA_P
ClientSampleId :
TG-S05

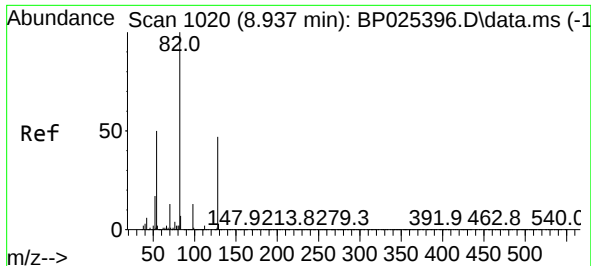
Tgt Ion: 99 Resp: 277731
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 35.0 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion: 136 Resp: 725235
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.7 6.0 9.0
68 5.4 4.3 6.5

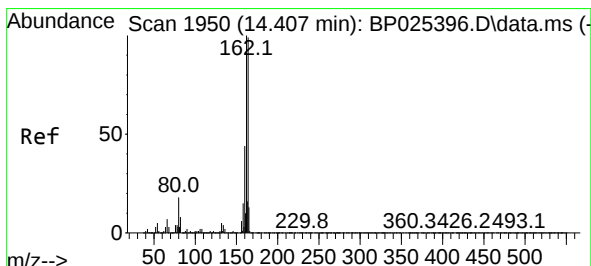
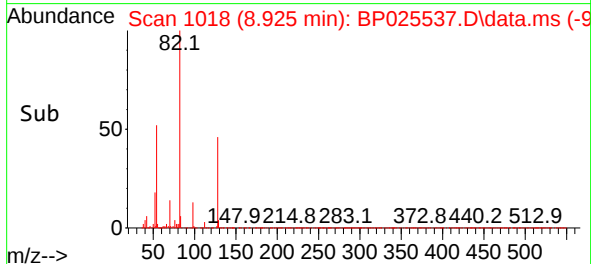
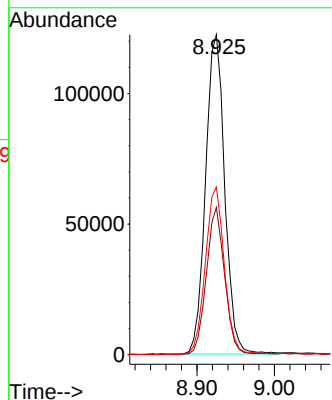
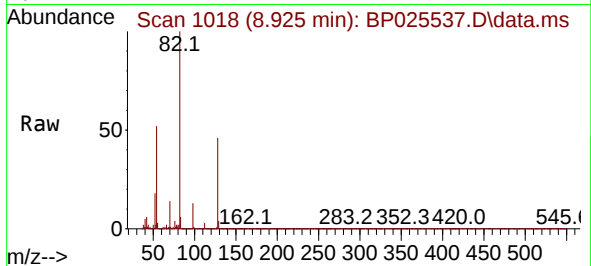




#23
 Nitrobenzene-d5
 Concen: 14.642 ng
 RT: 8.925 min Scan# 1018
 Delta R.T. -0.012 min
 Lab File: BP025537.D
 Acq: 21 Aug 2025 12:53

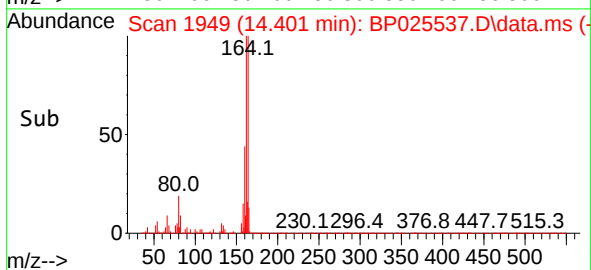
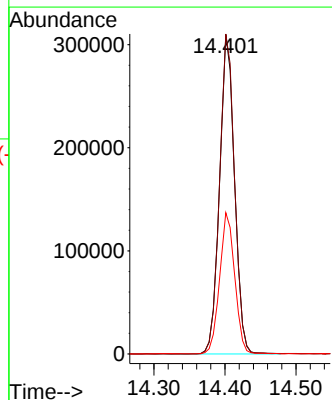
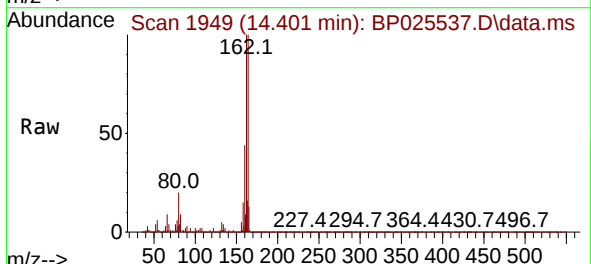
Instrument :
 BNA_P
 ClientSampleId :
 TG-S05

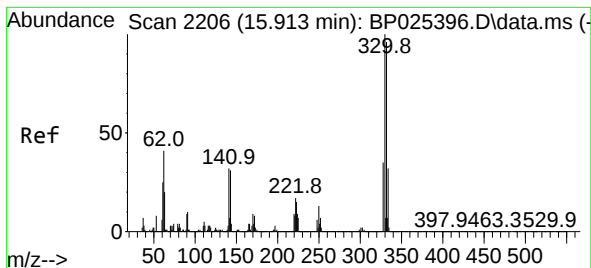
Tgt Ion: 82 Resp: 209917
 Ion Ratio Lower Upper
 82 100
 128 46.0 37.7 56.5
 54 52.4 39.8 59.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.401 min Scan# 1949
 Delta R.T. -0.006 min
 Lab File: BP025537.D
 Acq: 21 Aug 2025 12:53

Tgt Ion:164 Resp: 450660
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.0 121.6
 160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 17.753 ng

RT: 15.913 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

Instrument :

BNA_P

ClientSampleId :

TG-S05

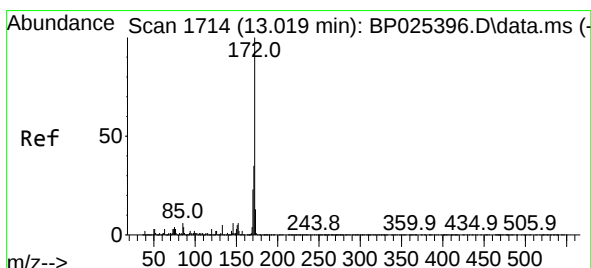
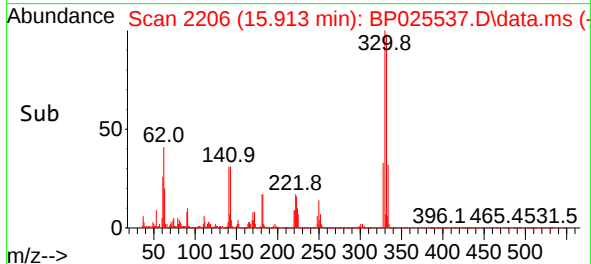
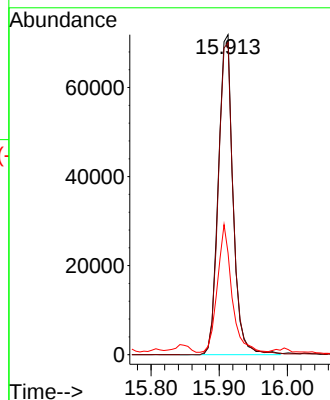
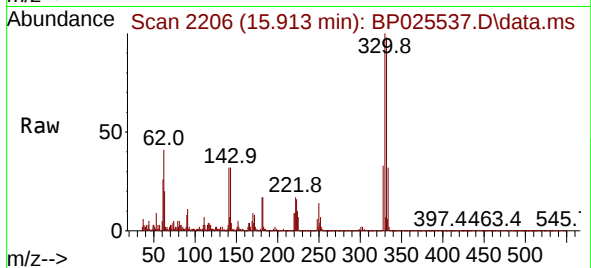
Tgt Ion:330 Resp: 107686

Ion Ratio Lower Upper

330 100

332 98.7 77.3 115.9

141 39.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 15.391 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

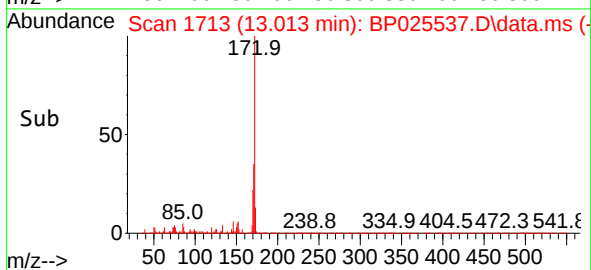
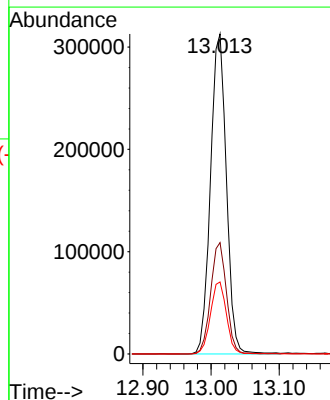
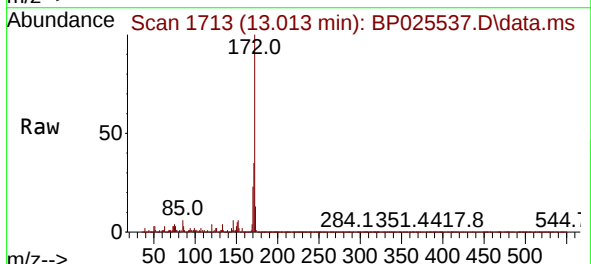
Tgt Ion:172 Resp: 507527

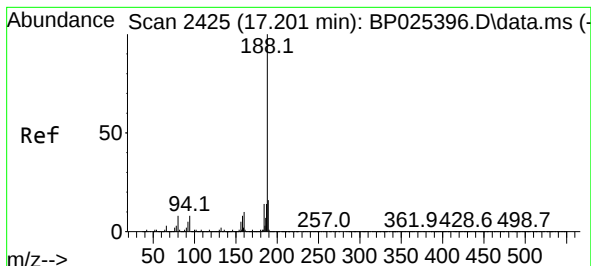
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 22.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.207 min Scan# 2425

Delta R.T. 0.006 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

Instrument :

BNA_P

ClientSampleId :

TG-S05

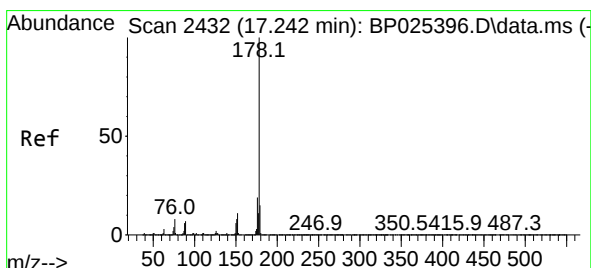
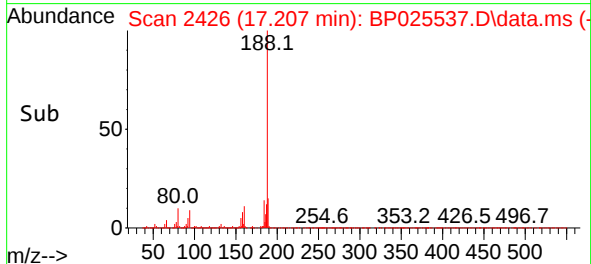
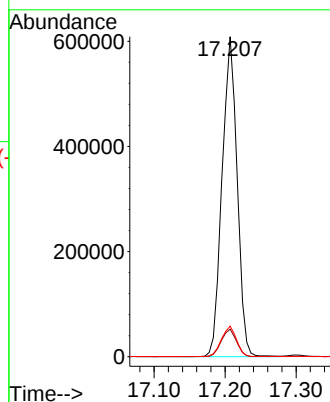
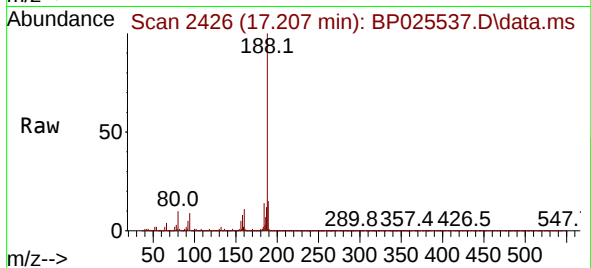
Tgt Ion:188 Resp: 892132

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.6 6.7 10.1



#71

Phenanthrene

Concen: 4.884 ng

RT: 17.248 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

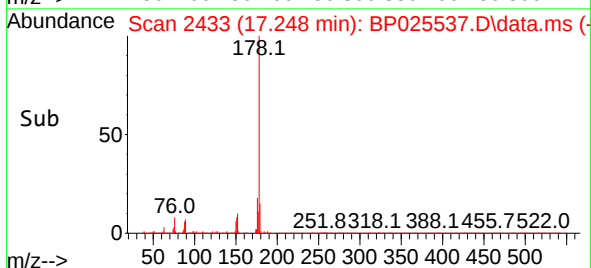
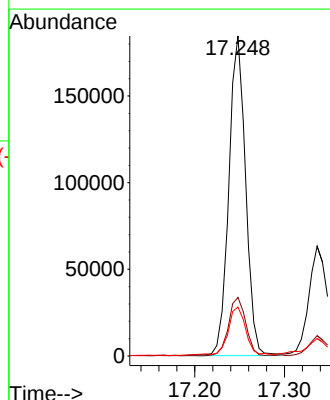
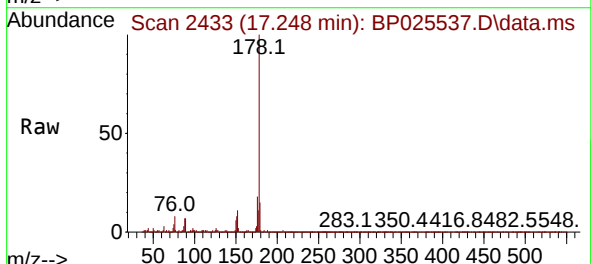
Tgt Ion:178 Resp: 239345

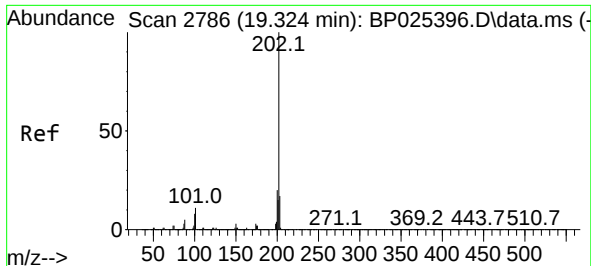
Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 15.3 12.2 18.4

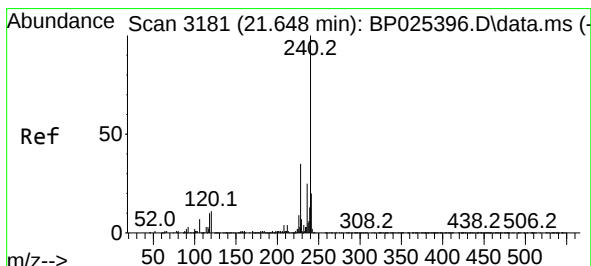
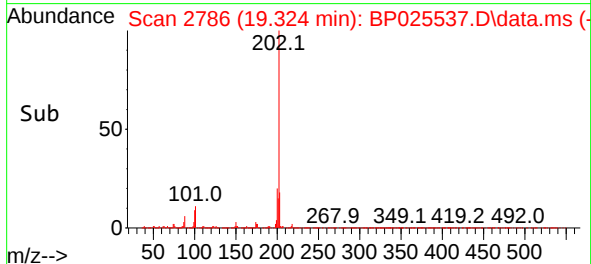
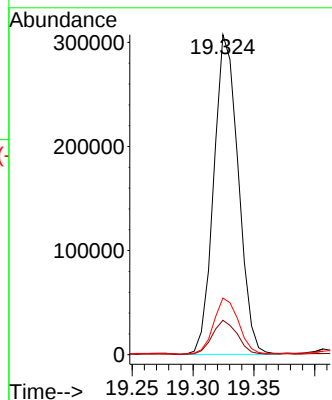
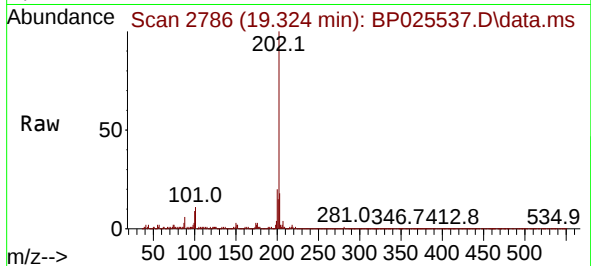




#75
Fluoranthene
Concen: 7.353 ng
RT: 19.324 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

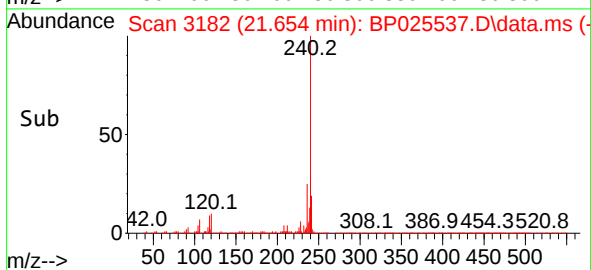
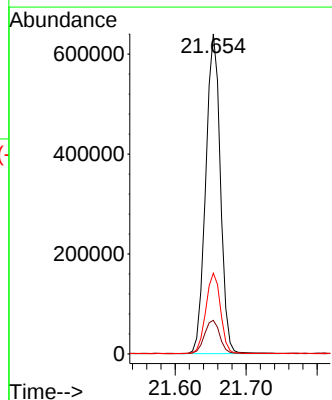
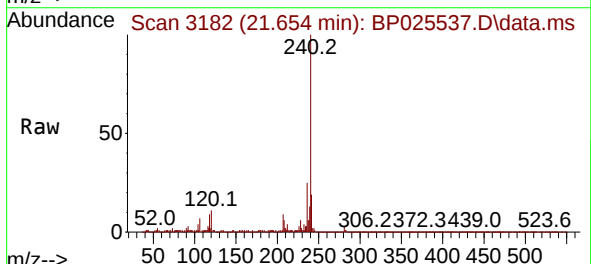
Instrument :
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TG-S05

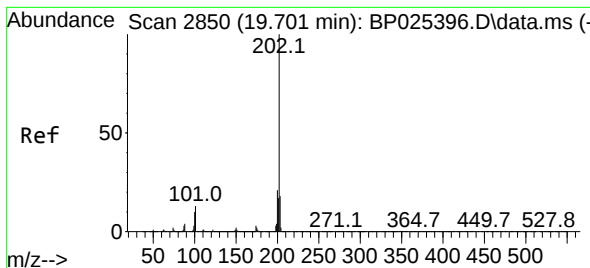
Tgt Ion:202 Resp: 429862
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:240 Resp: 915666
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.3 19.8 29.8





#78

Pyrene

Concen: 6.505 ng

RT: 19.701 min Scan# 2850

Delta R.T. -0.000 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

Instrument :

BNA_P

ClientSampleId :

TG-S05

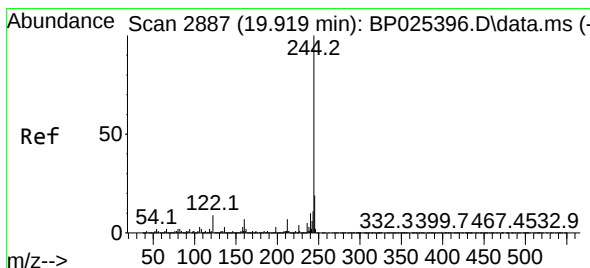
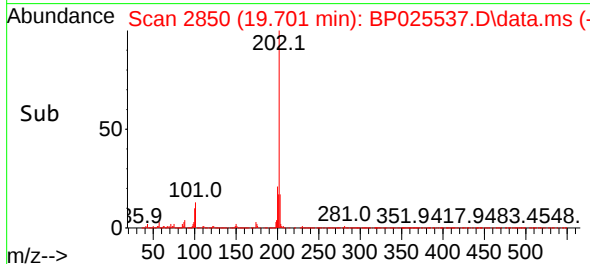
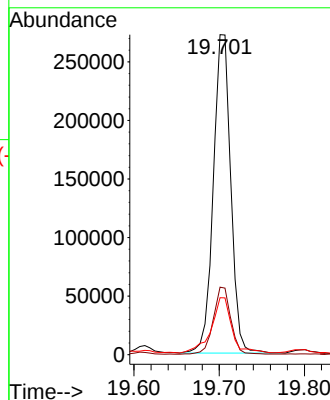
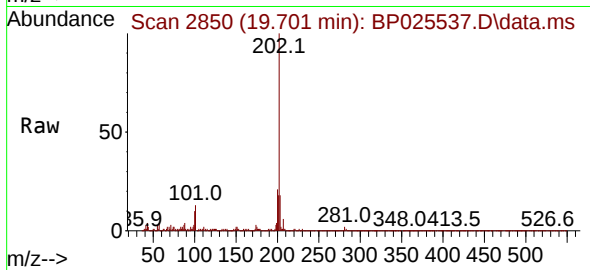
Tgt Ion:202 Resp: 387173

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 14.891 ng

RT: 19.924 min Scan# 2888

Delta R.T. 0.006 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

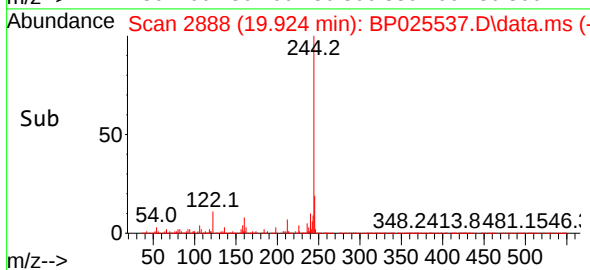
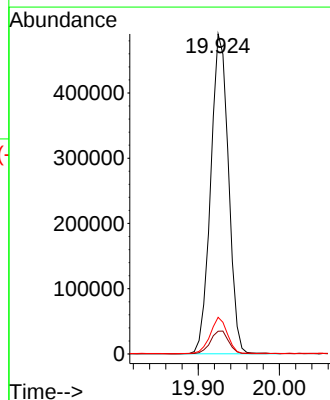
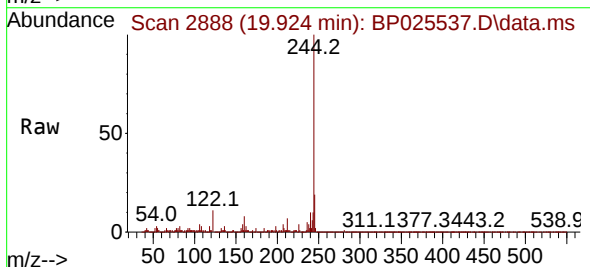
Tgt Ion:244 Resp: 745273

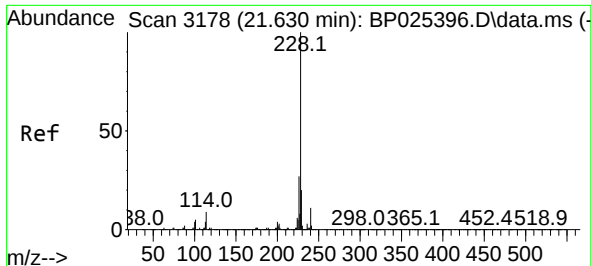
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 11.5 7.4 11.2#

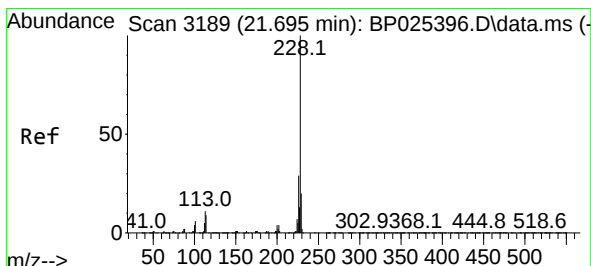
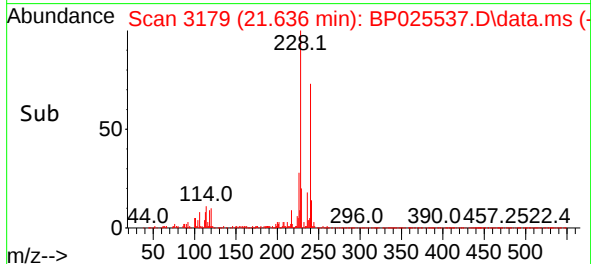
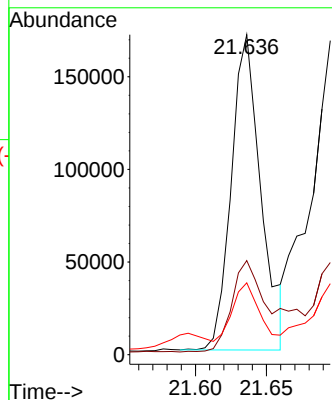
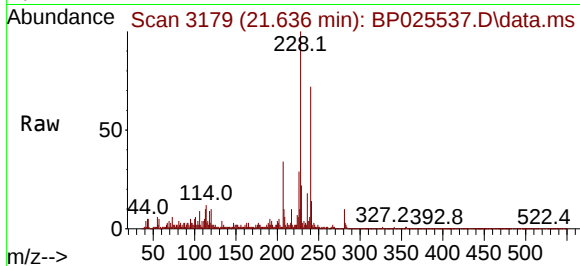




#81
Benzo(a)anthracene
Concen: 4.091 ng
RT: 21.636 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

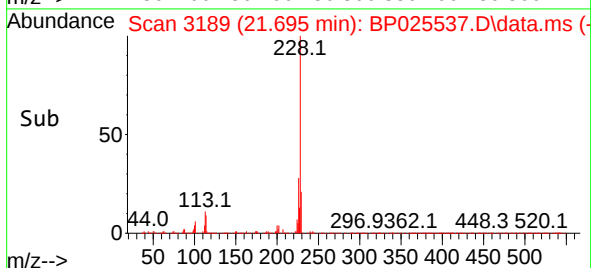
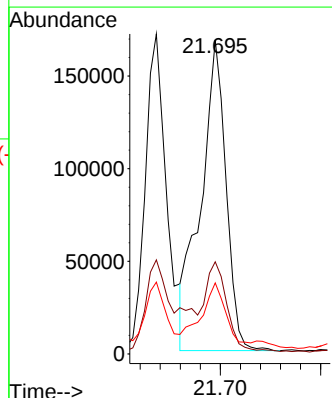
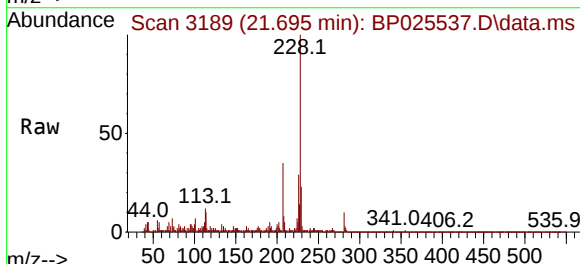
Instrument :
BNA_P
ClientSampleId :
TG-S05

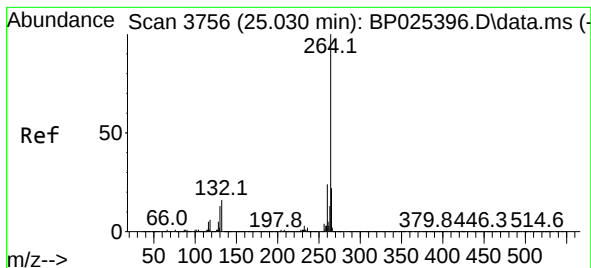
Tgt Ion:228 Resp: 247055
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 22.4 15.6 23.4



#83
Chrysene
Concen: 5.219 ng
RT: 21.695 min Scan# 3189
Delta R.T. -0.000 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:228 Resp: 295150
Ion Ratio Lower Upper
228 100
226 29.4 23.2 34.8
229 22.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.042 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

Instrument :

BNA_P

ClientSampleId :

TG-S05

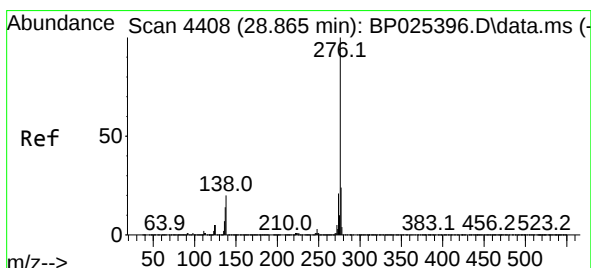
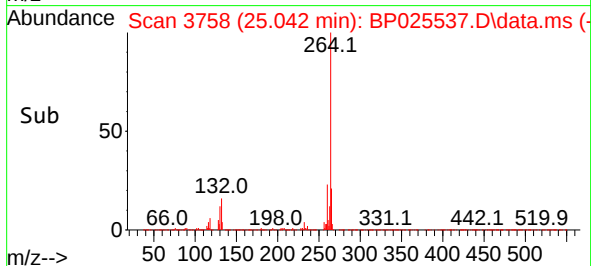
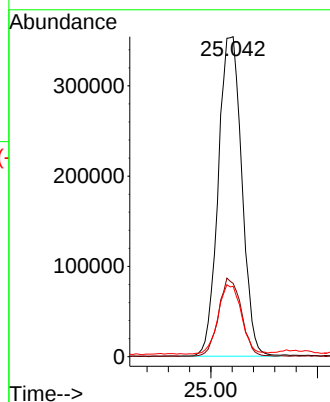
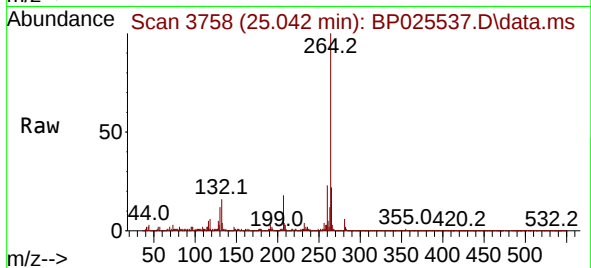
Tgt Ion:264 Resp: 1087701

Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

265 22.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.504 ng

RT: 28.847 min Scan# 4405

Delta R.T. -0.018 min

Lab File: BP025537.D

Acq: 21 Aug 2025 12:53

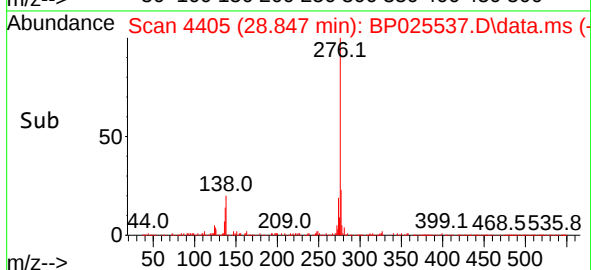
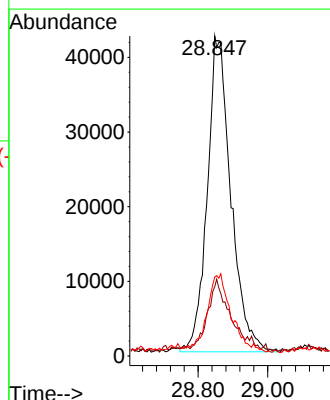
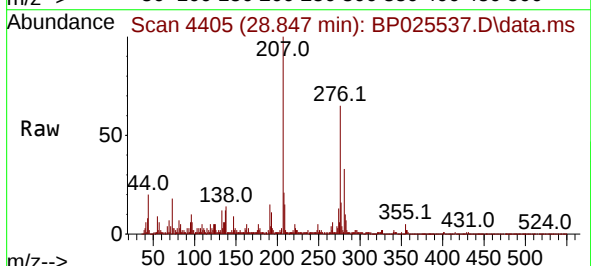
Tgt Ion:276 Resp: 199747

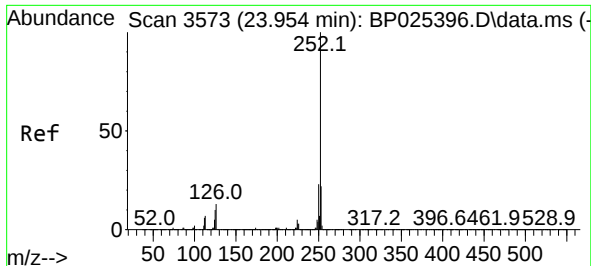
Ion Ratio Lower Upper

276 100

138 19.4 12.9 19.3#

277 22.6 17.0 25.6

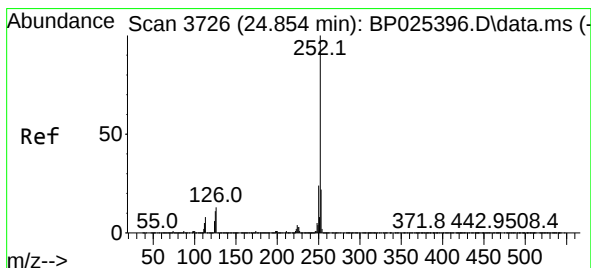
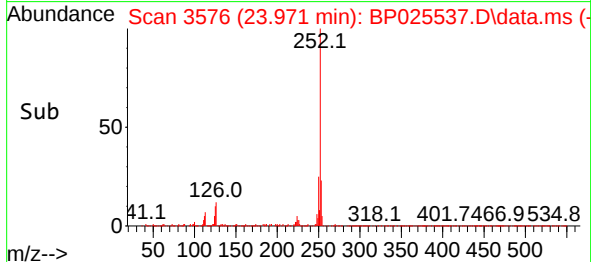
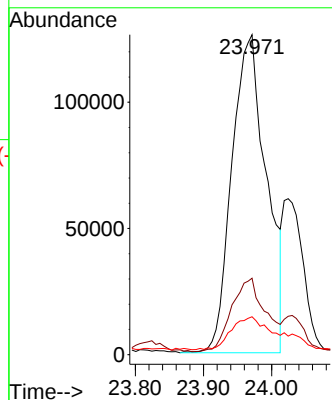
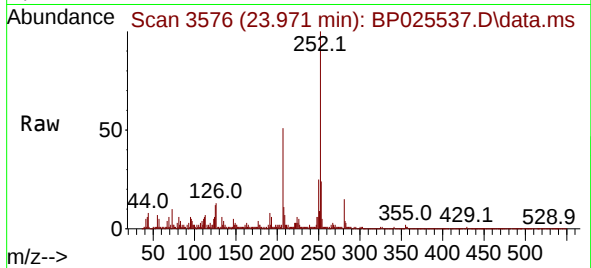




#88
Benzo(b)fluoranthene
Concen: 6.918 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

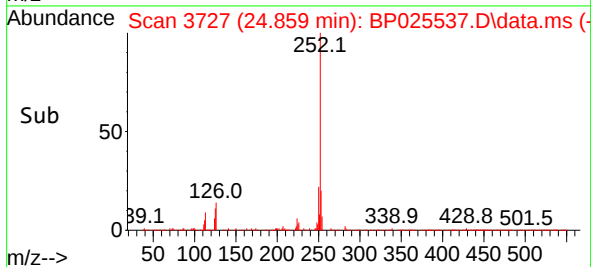
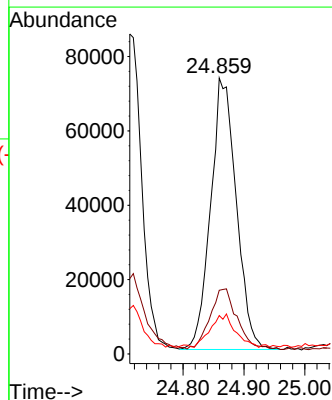
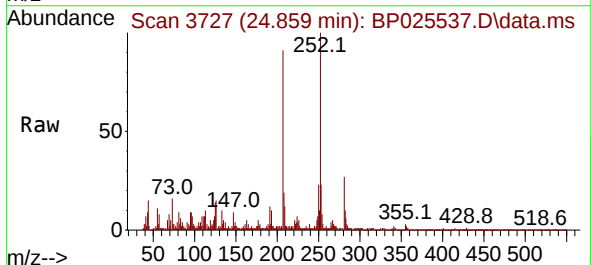
Instrument :
BNA_P
ClientSampleId :
TG-S05

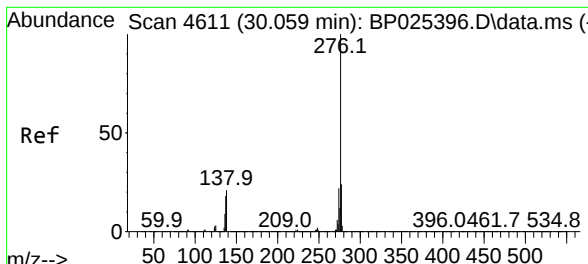
Tgt Ion:252 Resp: 443701
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 11.9 7.9 11.9



#90
Benzo(a)pyrene
Concen: 3.420 ng
RT: 24.859 min Scan# 3727
Delta R.T. 0.006 min
Lab File: BP025537.D
Acq: 21 Aug 2025 12:53

Tgt Ion:252 Resp: 213524
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 13.9 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 3.075 ng
 RT: 30.024 min Scan# 4605
 Delta R.T. -0.035 min
 Lab File: BP025537.D
 Acq: 21 Aug 2025 12:53

Instrument :
 BNA_P
 ClientSampleId :
 TG-S05

Tgt Ion: 276 Resp: 197045

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	22.6	16.7	25.1

