

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
 Data File : BP025153.D
 Acq On : 15 Jul 2025 20:06
 Operator : CG/JU
 Sample : Q2546-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-7-9-2025

Quant Time: Jul 16 00:59:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

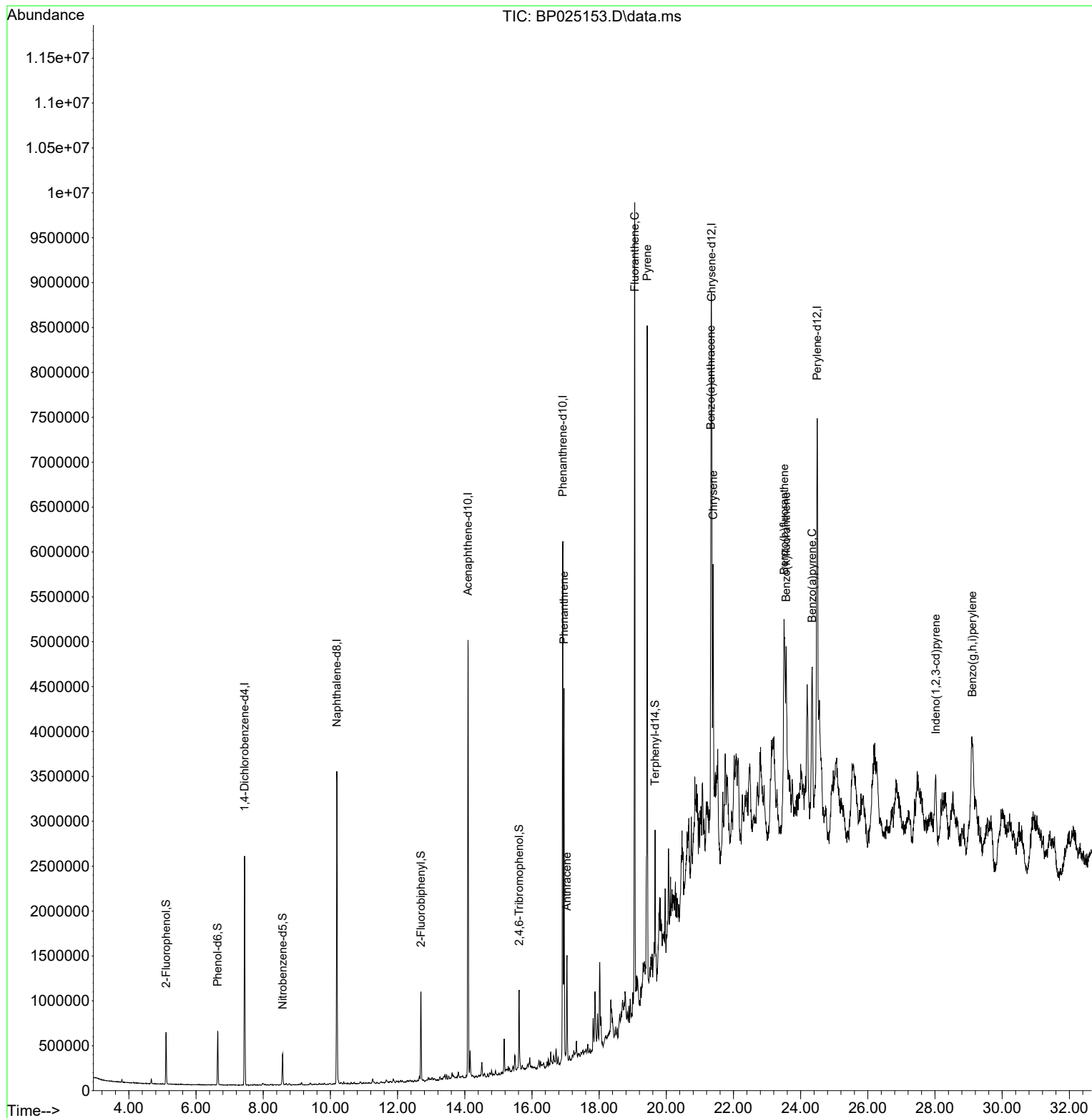
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	694383	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2784057	20.000	ng	0.00
39) Acenaphthene-d10	14.095	164	1738601	20.000	ng	0.00
64) Phenanthrene-d10	16.919	188	3440593	20.000	ng	0.01
76) Chrysene-d12	21.348	240	3359680	20.000	ng	0.00
86) Perylene-d12	24.489	264	3874642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	265743	6.781	ng	0.01
7) Phenol-d6	6.643	99	334982	6.550	ng	0.01
23) Nitrobenzene-d5	8.578	82	197313	4.713	ng	0.01
42) 2,4,6-Tribromophenol	15.619	330	160563	7.818	ng	0.00
45) 2-Fluorobiphenyl	12.695	172	549477	4.896	ng	0.00
79) Terphenyl-d14	19.666	244	839890	5.494	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	16.954	178	2261378	12.300	ng	99
72) Anthracene	17.042	178	772703	4.381	ng	99
75) Fluoranthene	19.060	202	4968821	23.122	ng	99
78) Pyrene	19.430	202	4088324	19.647	ng	99
81) Benzo(a)anthracene	21.324	228	2144738	10.534	ng	98
83) Chrysene	21.395	228	1854270	9.464	ng	97
87) Indeno(1,2,3-cd)pyrene	28.024	276	1303455	5.281	ng	# 92
88) Benzo(b)fluoranthene	23.507	252	2712628	12.028	ng	97
89) Benzo(k)fluoranthene	23.565	252	802472m	3.576	ng	
90) Benzo(a)pyrene	24.342	252	1877346	9.781	ng	97
92) Benzo(g,h,i)perylene	29.106	276	1218706	5.782	ng	97

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

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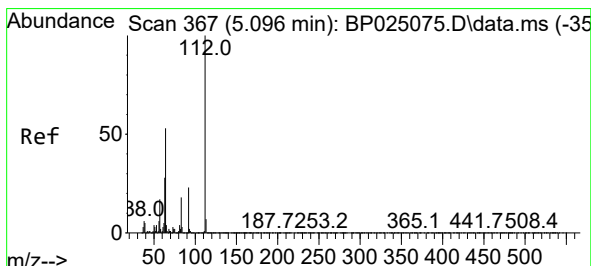
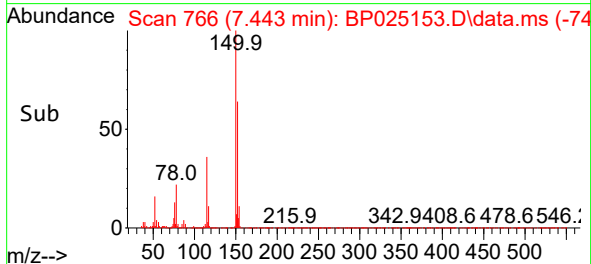
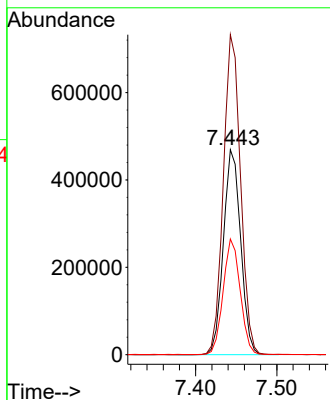
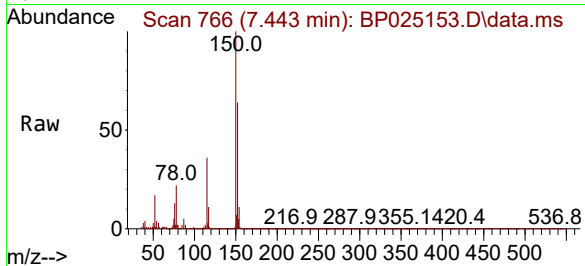




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

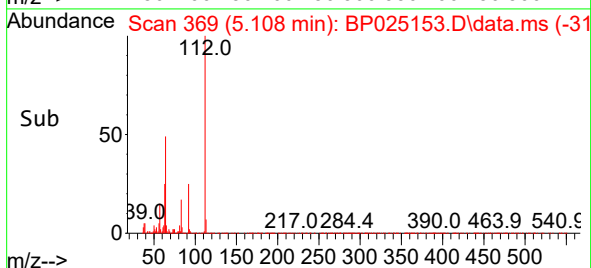
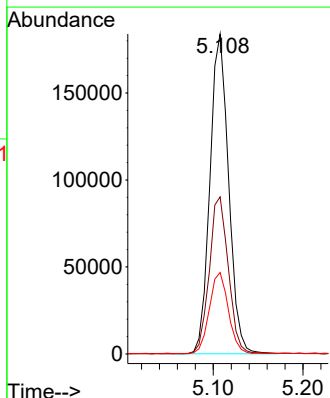
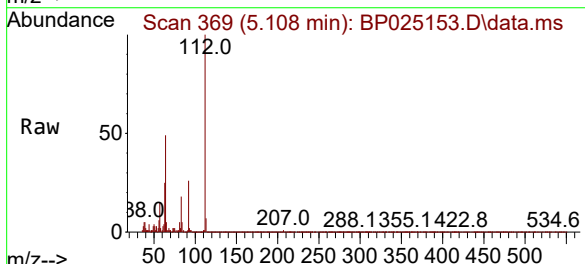
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

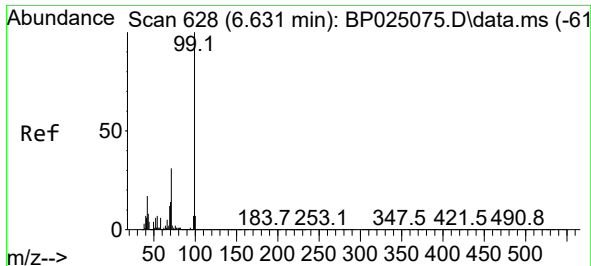
Tgt Ion:152 Resp: 694383
Ion Ratio Lower Upper
152 100
150 156.1 126.1 189.1
115 56.4 44.3 66.5



#5
2-Fluorophenol
Concen: 6.781 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion:112 Resp: 265743
Ion Ratio Lower Upper
112 100
64 49.1 42.0 63.0
63 25.5 22.2 33.2

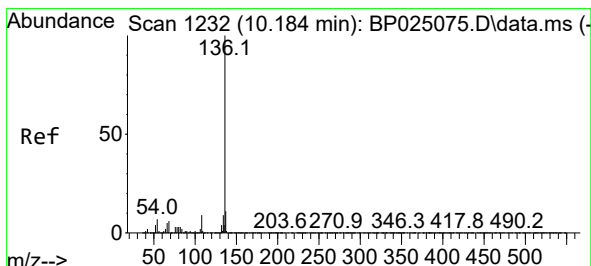
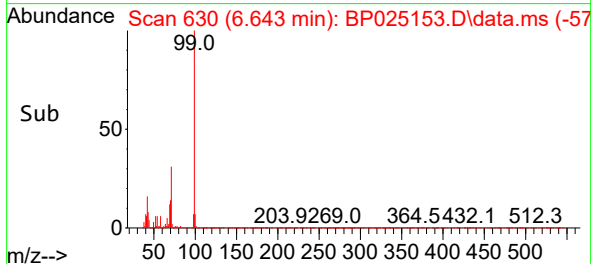
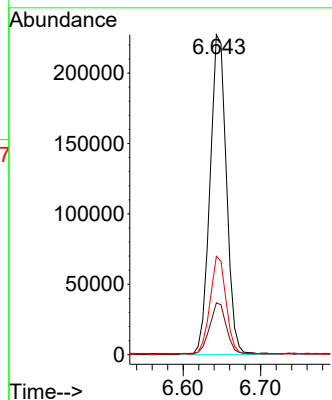
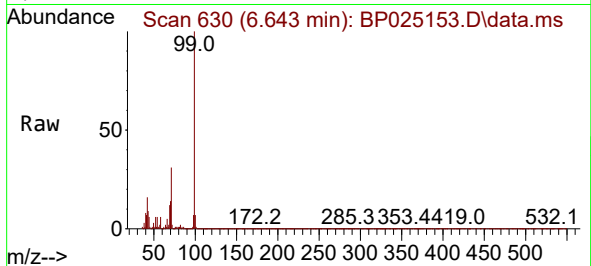




#7
Phenol-d6
Concen: 6.550 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

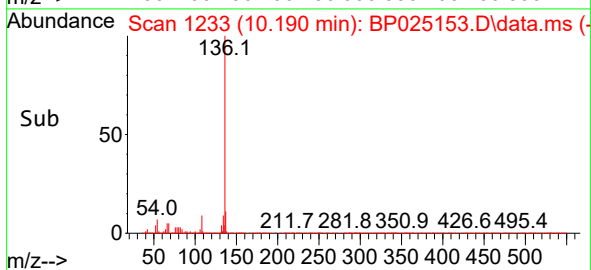
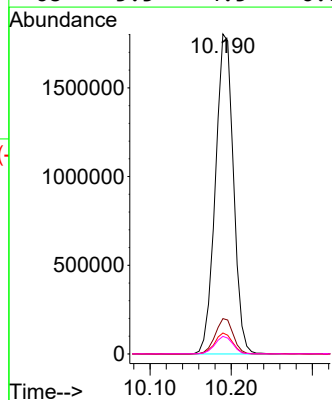
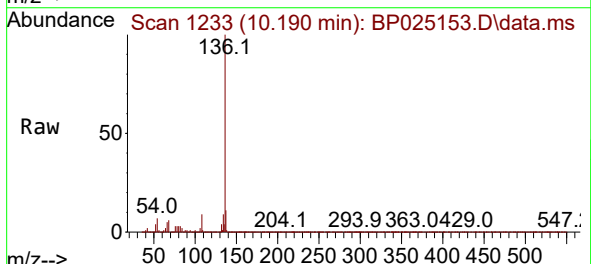
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

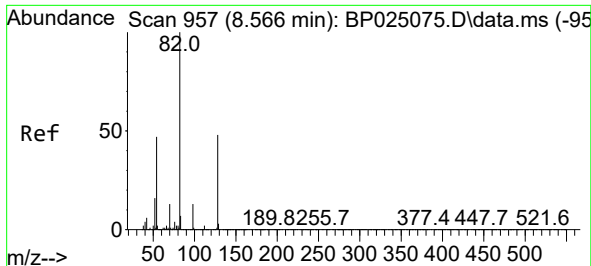
Tgt Ion: 99 Resp: 334982
Ion Ratio Lower Upper
99 100
42 16.2 13.6 20.4
71 30.7 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion: 136 Resp: 2784057
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.5 5.4 8.2
68 5.5 4.5 6.7

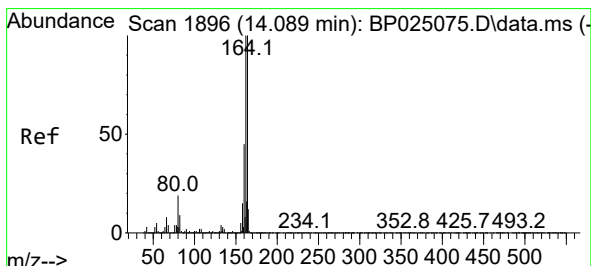
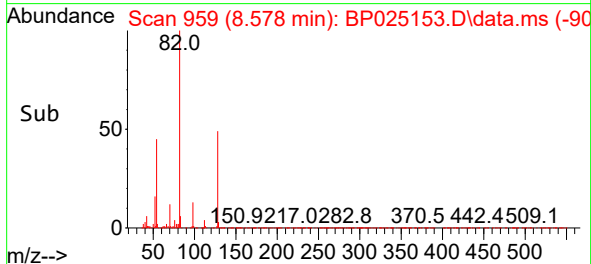
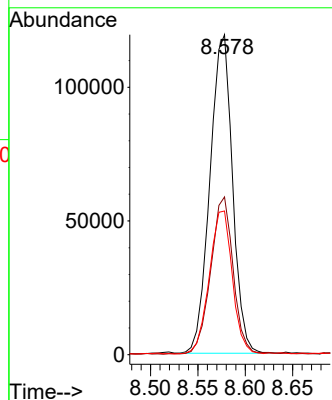
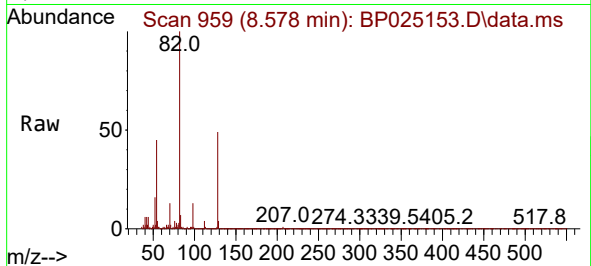




#23
Nitrobenzene-d5
Concen: 4.713 ng
RT: 8.578 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

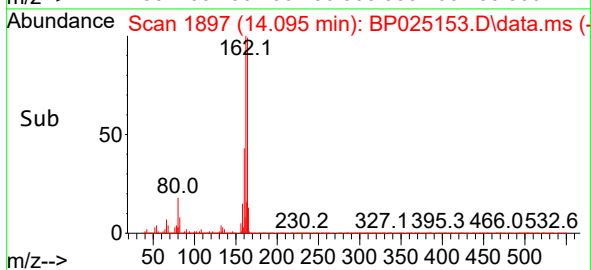
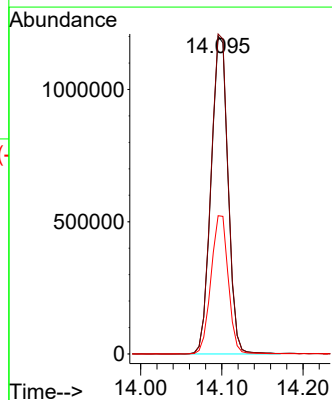
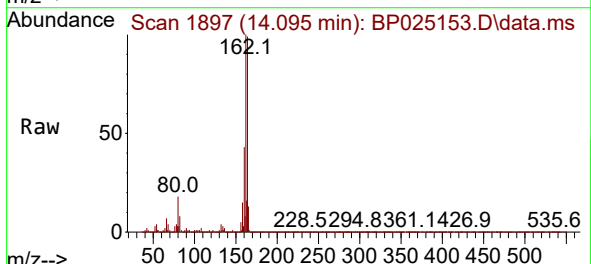
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

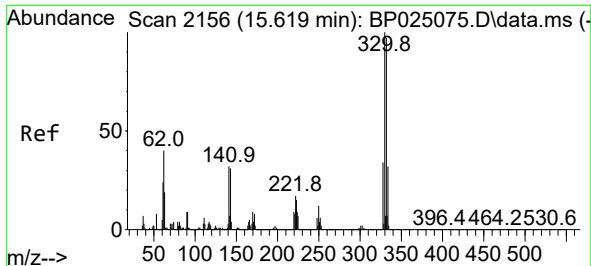
Tgt Ion: 82 Resp: 197313
Ion Ratio Lower Upper
82 100
128 49.3 38.4 57.6
54 44.9 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.095 min Scan# 1897
Delta R.T. 0.006 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion:164 Resp: 1738601
Ion Ratio Lower Upper
164 100
162 100.7 80.3 120.5
160 43.5 35.9 53.9

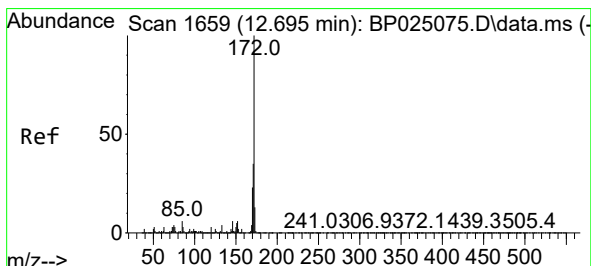
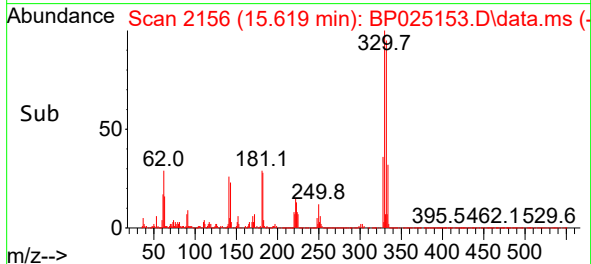
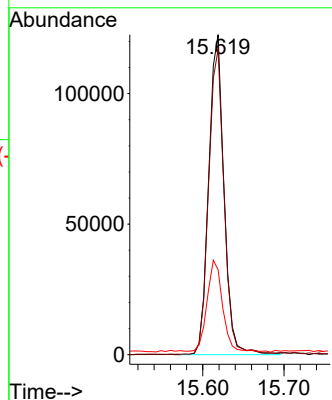
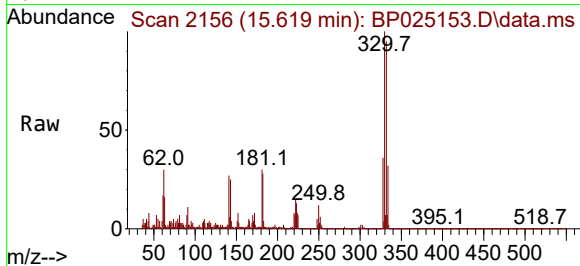




#42
2,4,6-Tribromophenol
Concen: 7.818 ng
RT: 15.619 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

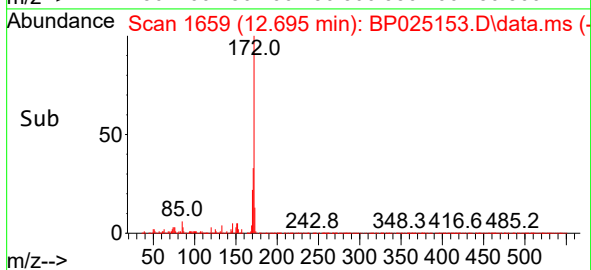
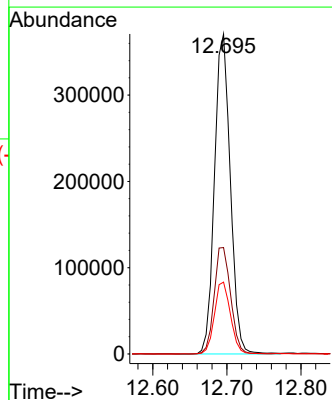
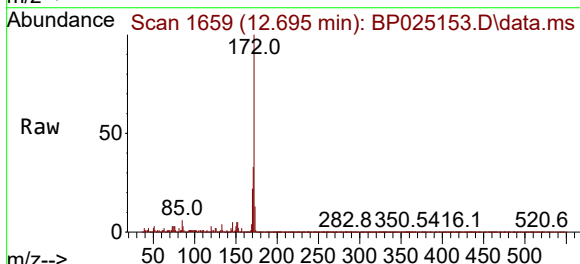
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

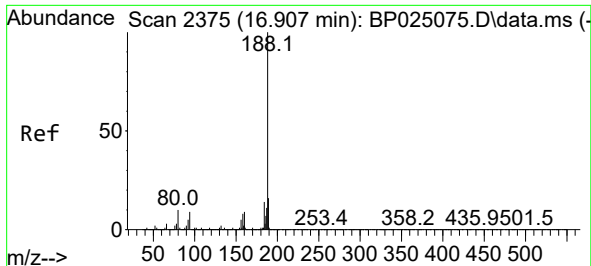
Tgt Ion:330 Resp: 160563
Ion Ratio Lower Upper
330 100
332 96.0 77.7 116.5
141 28.3 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 4.896 ng
RT: 12.695 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion:172 Resp: 549477
Ion Ratio Lower Upper
172 100
171 33.3 28.2 42.2
170 22.5 18.7 28.1

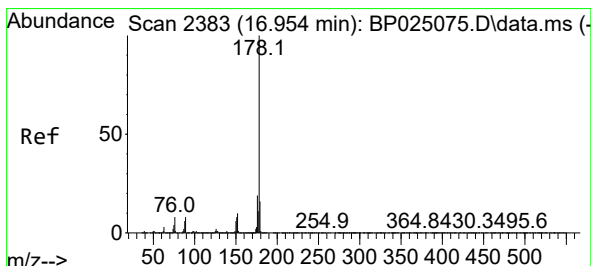
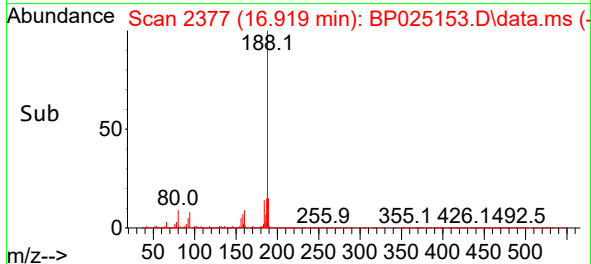
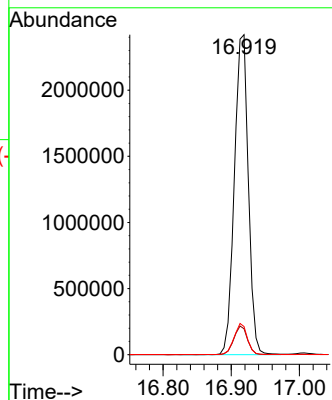
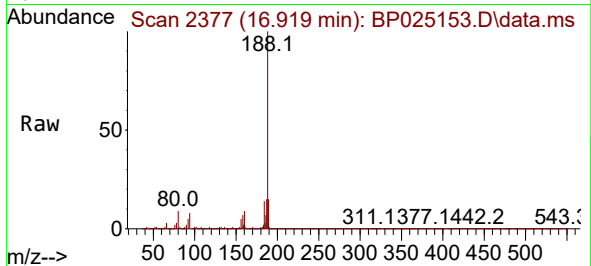




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.919 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

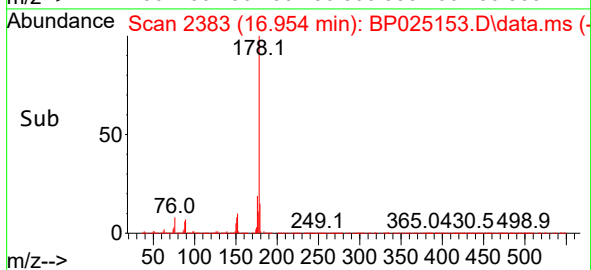
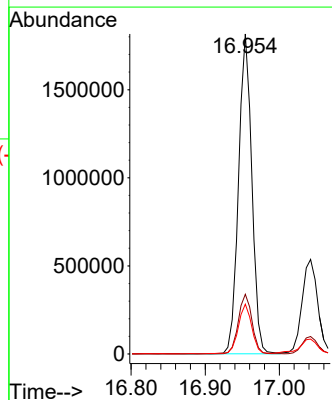
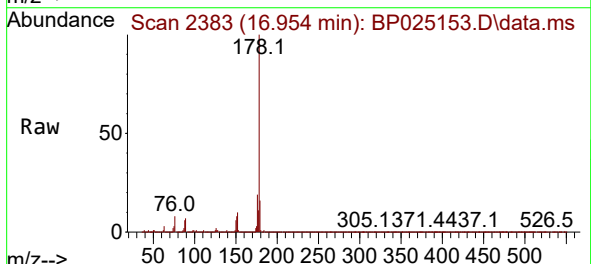
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

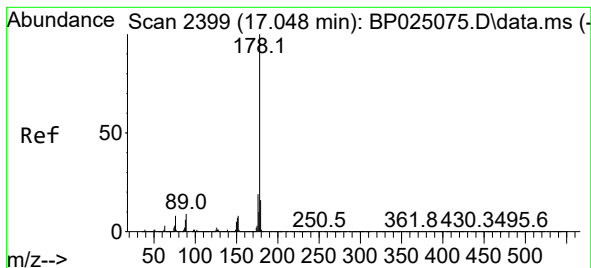
Tgt Ion:188 Resp: 3440593
Ion Ratio Lower Upper
188 100
94 8.1 7.3 10.9
80 8.8 7.8 11.6



#71
Phenanthrene
Concen: 12.300 ng
RT: 16.954 min Scan# 2383
Delta R.T. 0.000 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion:178 Resp: 2261378
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.5 12.6 19.0





#72

Anthracene

Concen: 4.381 ng

RT: 17.042 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025

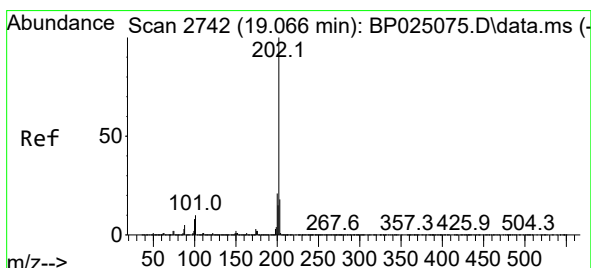
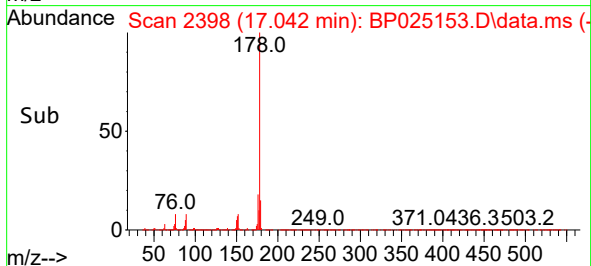
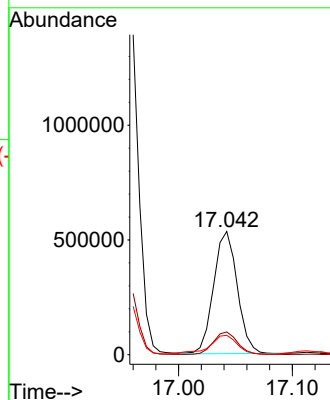
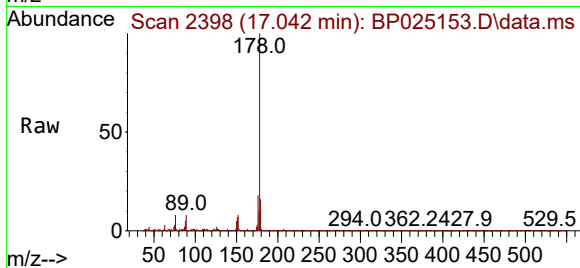
Tgt Ion:178 Resp: 772703

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 15.7 12.5 18.7



#75

Fluoranthene

Concen: 23.122 ng

RT: 19.060 min Scan# 2741

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

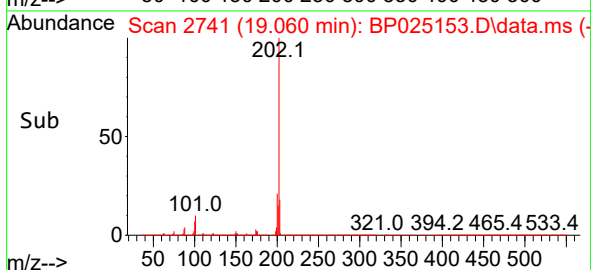
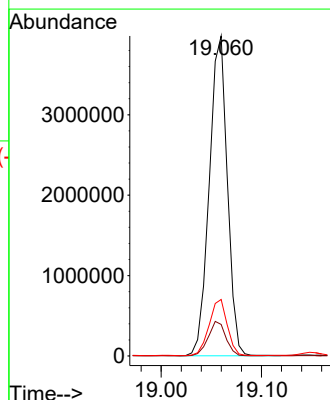
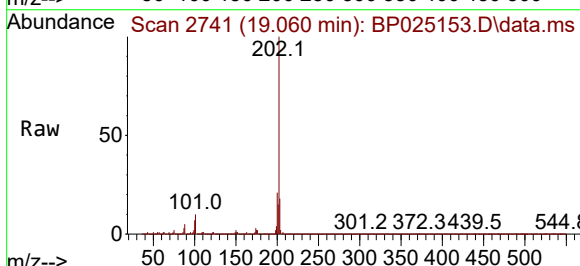
Tgt Ion:202 Resp: 4968821

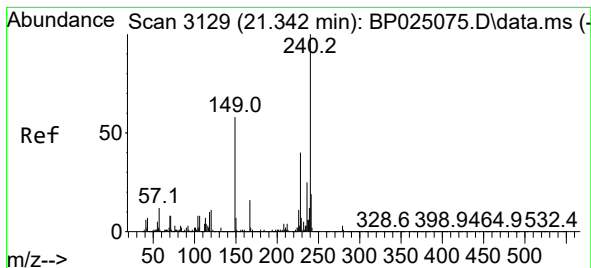
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.4

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.348 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025

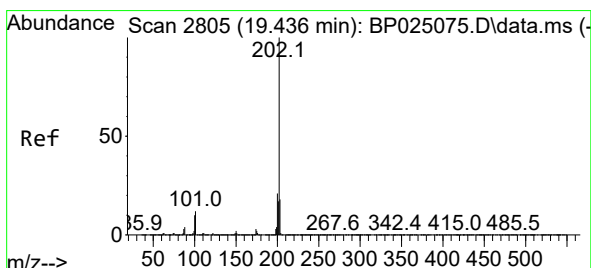
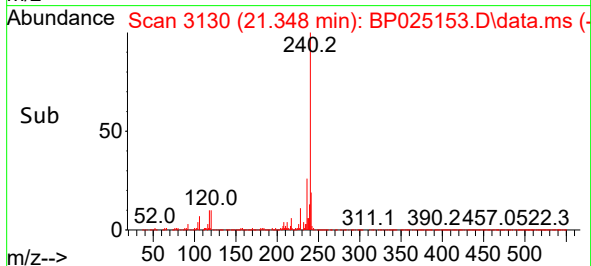
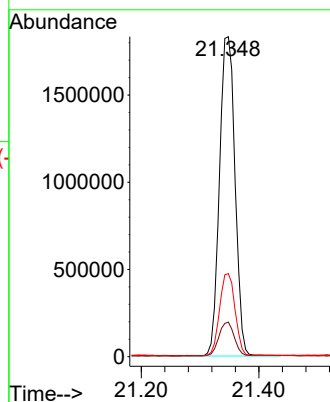
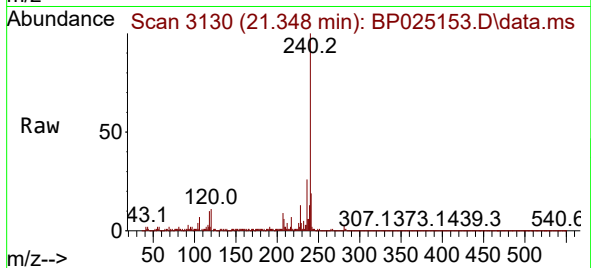
Tgt Ion:240 Resp: 3359680

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.4

236 25.9 20.3 30.5



#78

Pyrene

Concen: 19.647 ng

RT: 19.430 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

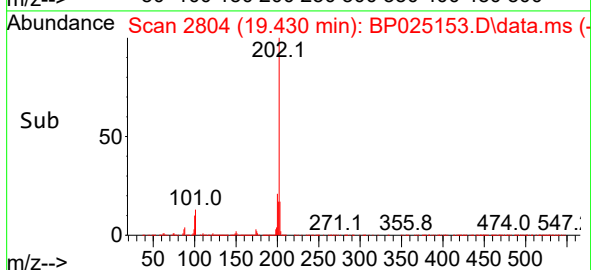
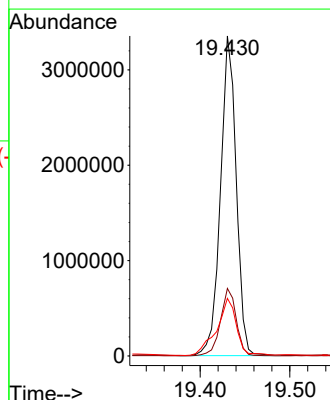
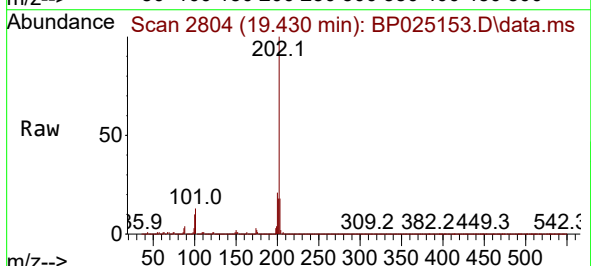
Tgt Ion:202 Resp: 4088324

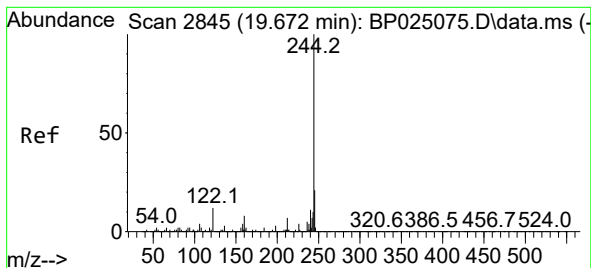
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 5.494 ng

RT: 19.666 min Scan# 2844

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025

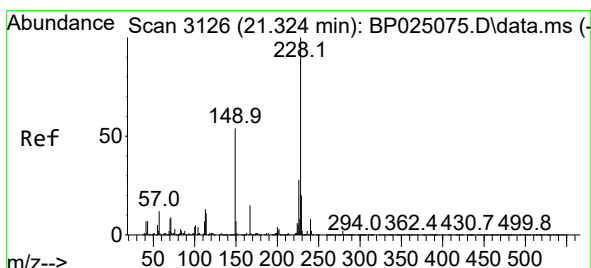
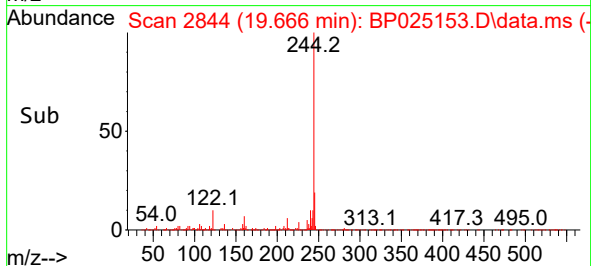
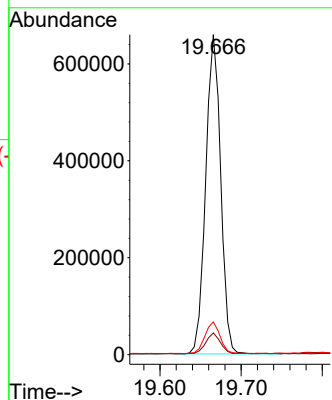
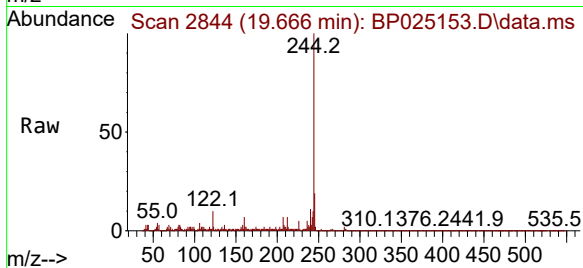
Tgt Ion:244 Resp: 839890

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 10.2 9.4 14.2



#81

Benzo(a)anthracene

Concen: 10.534 ng

RT: 21.324 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

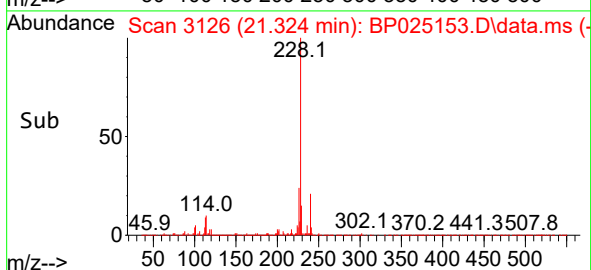
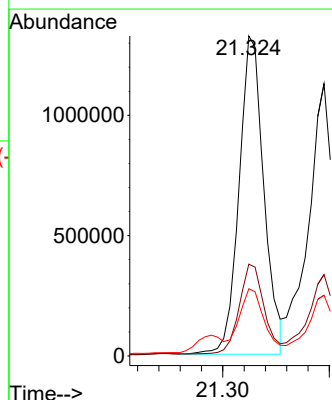
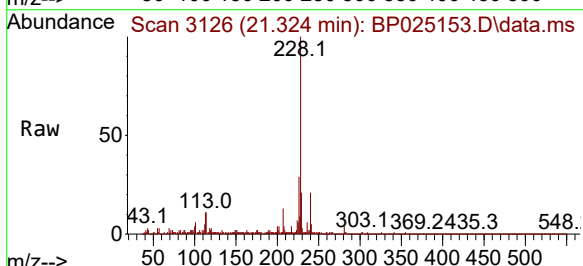
Tgt Ion:228 Resp: 2144738

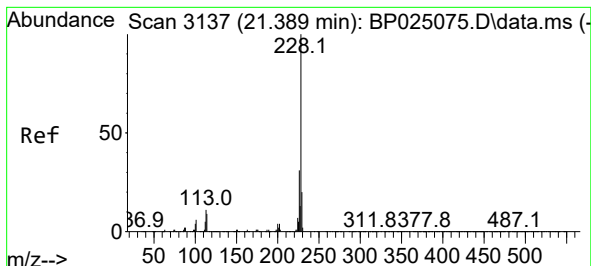
Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 21.0 16.0 24.0





#83

Chrysene

Concen: 9.464 ng

RT: 21.395 min Scan# 3137

Delta R.T. 0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025

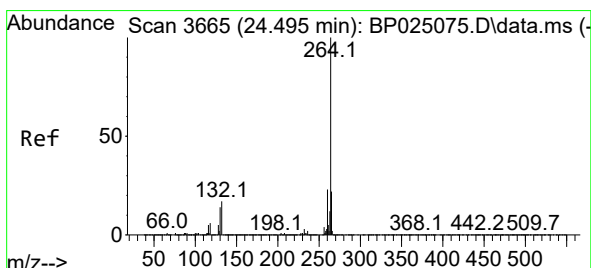
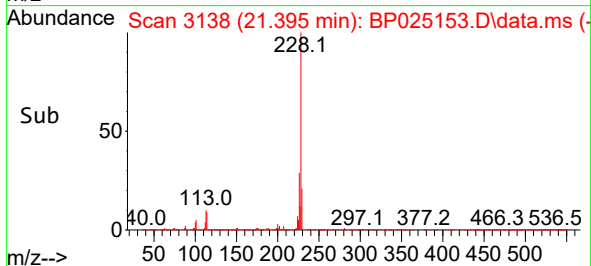
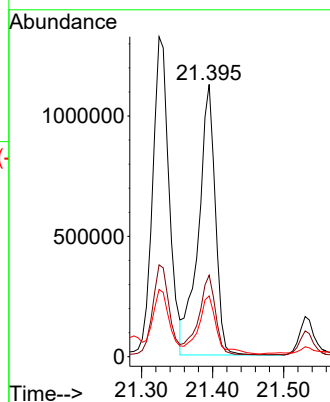
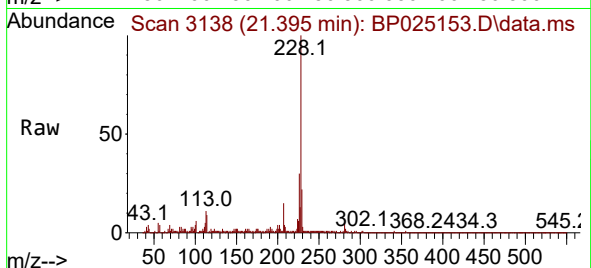
Tgt Ion:228 Resp: 1854270

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 22.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.489 min Scan# 3664

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

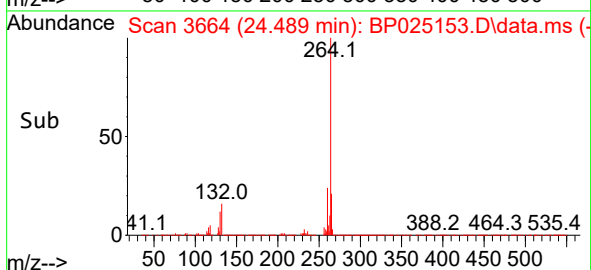
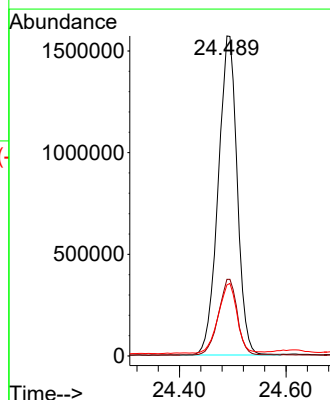
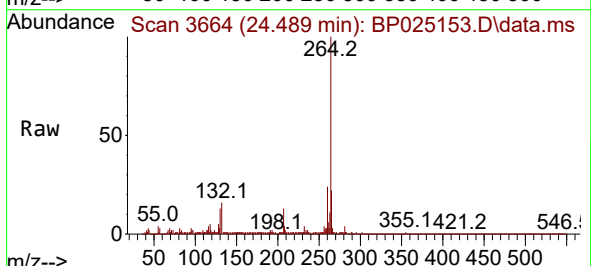
Tgt Ion:264 Resp: 3874642

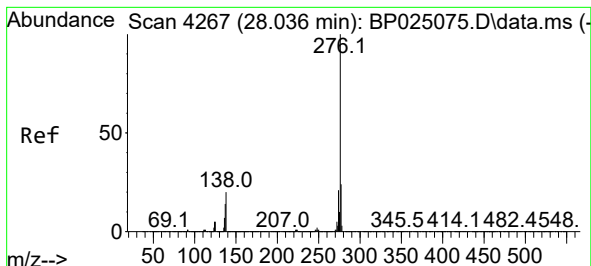
Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.281 ng

RT: 28.024 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025

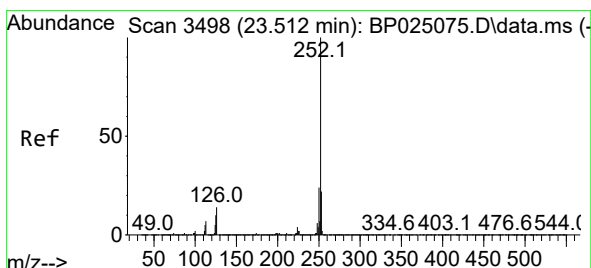
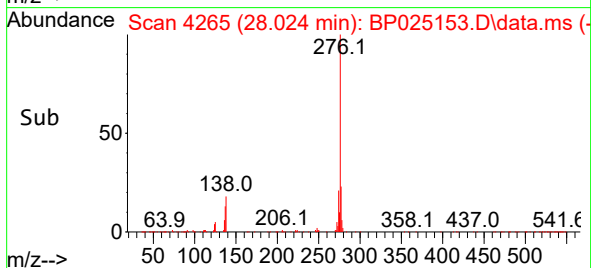
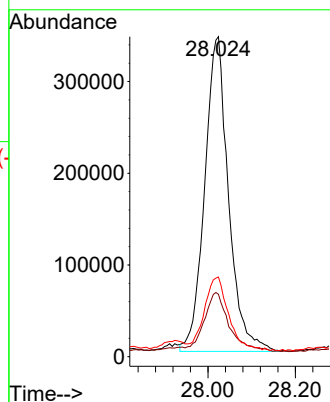
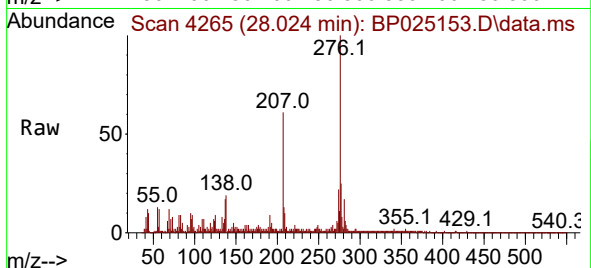
Tgt Ion:276 Resp: 1303455

Ion Ratio Lower Upper

276 100

138 19.5 13.0 19.6

277 24.0 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 12.028 ng

RT: 23.507 min Scan# 3497

Delta R.T. -0.006 min

Lab File: BP025153.D

Acq: 15 Jul 2025 20:06

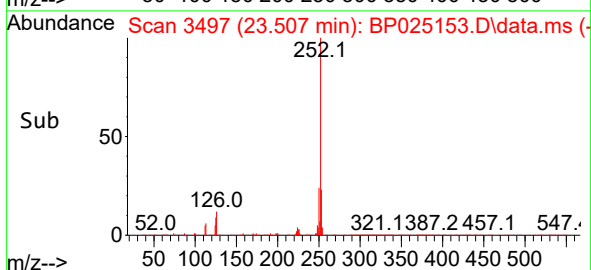
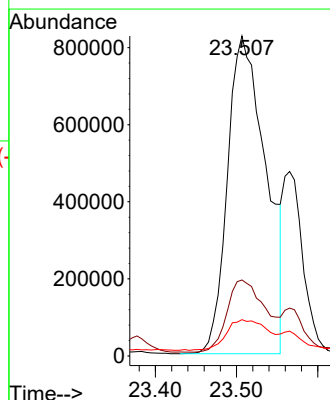
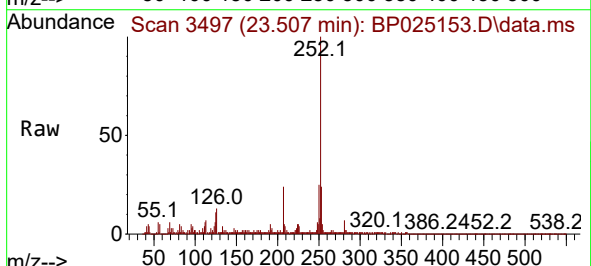
Tgt Ion:252 Resp: 2712628

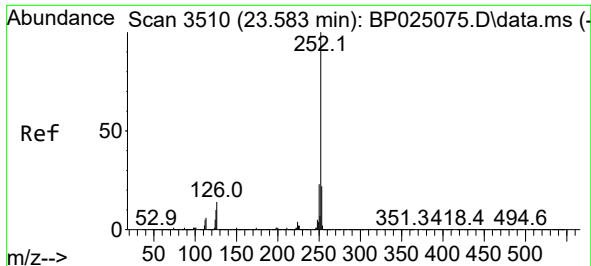
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 11.3 8.1 12.1

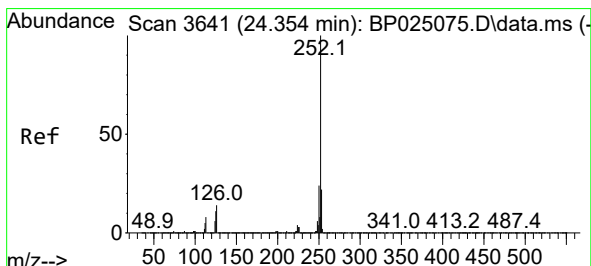
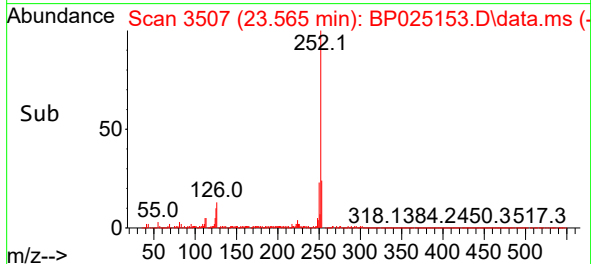
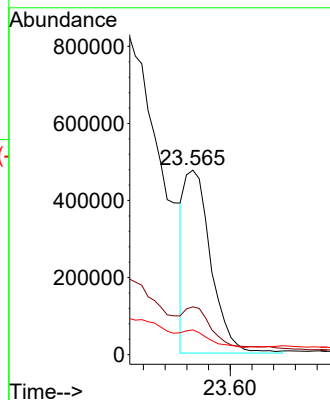
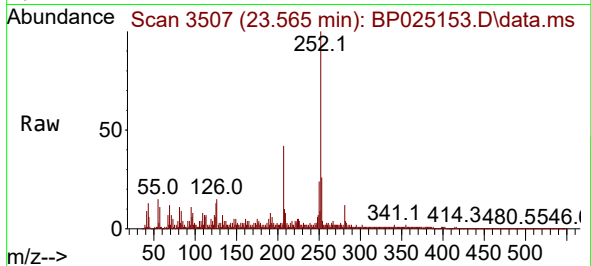




#89
Benzo(k)fluoranthene
Concen: 3.576 ng m
RT: 23.565 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

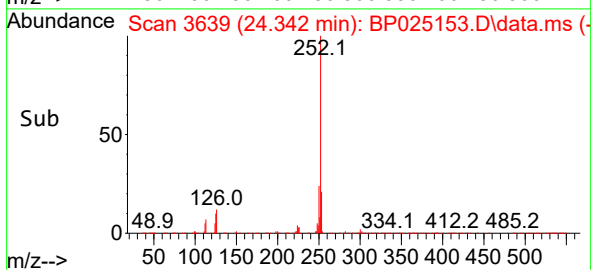
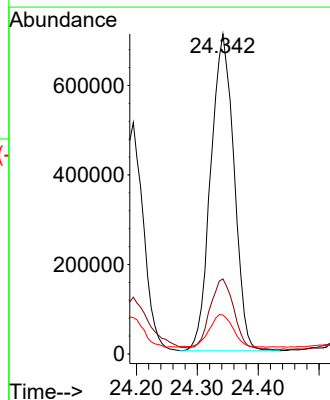
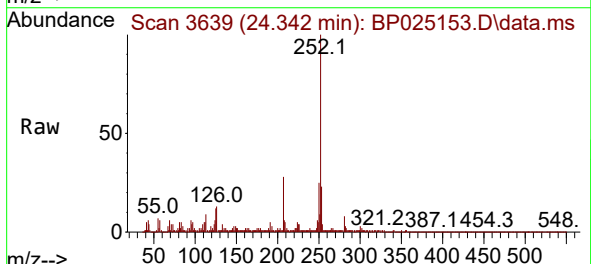
Instrument :
BNA_P
ClientSampleId :
HD-02-7-9-2025

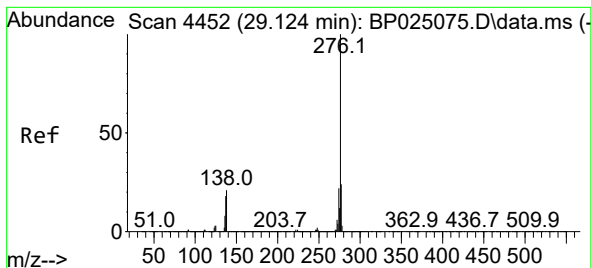
Tgt Ion:252 Resp: 802472
Ion Ratio Lower Upper
252 100
253 26.0 17.7 26.5
125 13.4 8.2 12.2#



#90
Benzo(a)pyrene
Concen: 9.781 ng
RT: 24.342 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BP025153.D
Acq: 15 Jul 2025 20:06

Tgt Ion:252 Resp: 1877346
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 12.2 9.0 13.4





#92

Benzo(g,h,i)perylene

Concen: 5.782 ng

RT: 29.106 min Scan# 44

Delta R.T. -0.018 min

Lab File: BP025153.D

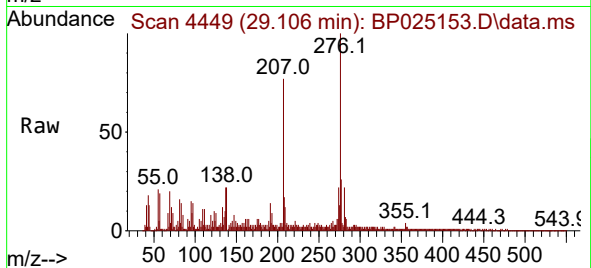
Acq: 15 Jul 2025 20:06

Instrument :

BNA_P

ClientSampleId :

HD-02-7-9-2025



Tgt Ion:276 Resp: 1218706

Ion Ratio Lower Upper

276 100

277 25.9 19.3 28.9

138 21.9 16.9 25.3

