

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025558.D
 Acq On : 22 Aug 2025 21:05
 Operator : CG/JU
 Sample : Q2919-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-08202025

Quant Time: Aug 25 01:20:14 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)

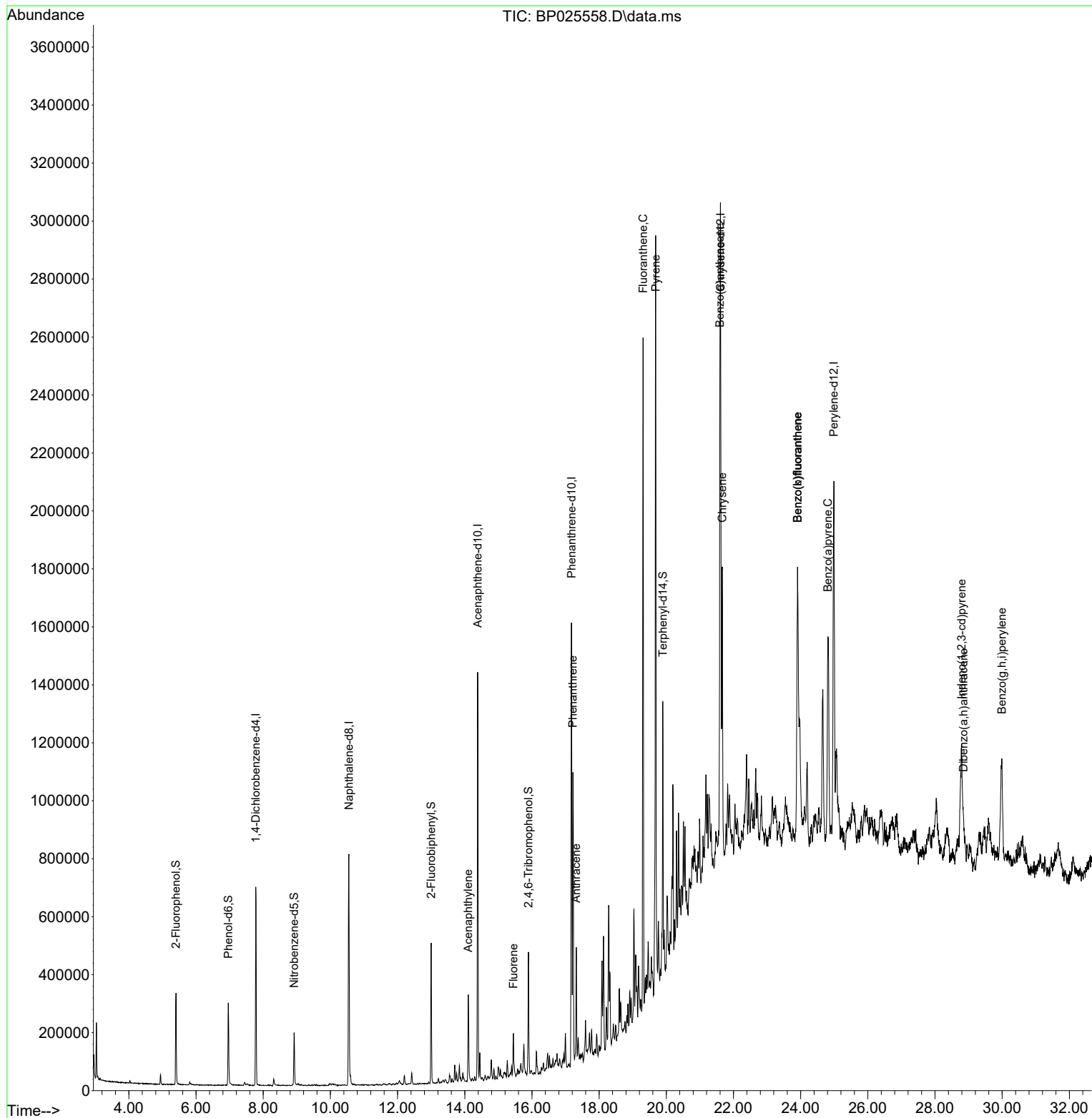
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	180053	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	723802	20.000	ng	-0.01
39) Acenaphthene-d10	14.384	164	473982	20.000	ng	-0.02
64) Phenanthrene-d10	17.178	188	992457	20.000	ng	-0.02
76) Chrysene-d12	21.613	240	1005716	20.000	ng	-0.04
86) Perylene-d12	24.989	264	1178982	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	139016	12.822	ng	0.00
7) Phenol-d6	6.961	99	174360	12.544	ng	0.00
23) Nitrobenzene-d5	8.919	82	106007	7.409	ng	-0.02
42) 2,4,6-Tribromophenol	15.895	330	77370	12.127	ng	-0.02
45) 2-Fluorobiphenyl	13.001	172	260812	7.520	ng	-0.02
79) Terphenyl-d14	19.895	244	432874	7.875	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.101	152	249950	5.637	ng	98
58) Fluorene	15.448	166	73465	2.262	ng	99
71) Phenanthrene	17.219	178	716658	13.145	ng	99
72) Anthracene	17.319	178	262606	4.717	ng	99
75) Fluoranthene	19.307	202	1522807	23.416	ng	98
78) Pyrene	19.683	202	1575490	24.102	ng	99
81) Benzo(a)anthracene	21.595	228	839911	12.663	ng	94
83) Chrysene	21.666	228	807675	13.003	ng	96
87) Indeno(1,2,3-cd)pyrene	28.789	276	637743	7.376	ng	# 90
88) Benzo(b)fluoranthene	23.907	252	1070132	15.393	ng	96
89) Benzo(k)fluoranthene	23.907	252	1070132	15.382	ng	95
90) Benzo(a)pyrene	24.813	252	903336	13.348	ng	96
91) Dibenzo(a,h)anthracene	28.848	278	164886	2.334	ng	# 83
92) Benzo(g,h,i)perylene	29.989	276	671333	9.666	ng	97

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

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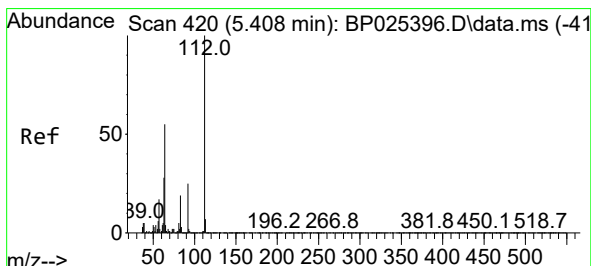
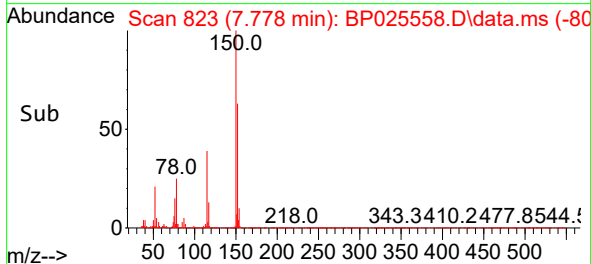
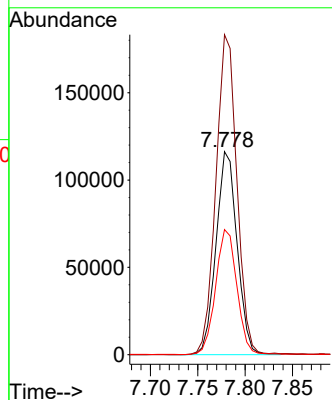
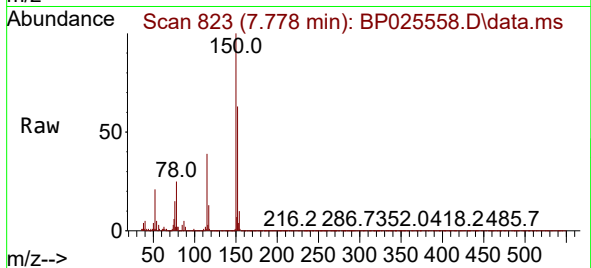




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.778 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BP025558.D
 Acq: 22 Aug 2025 21:05

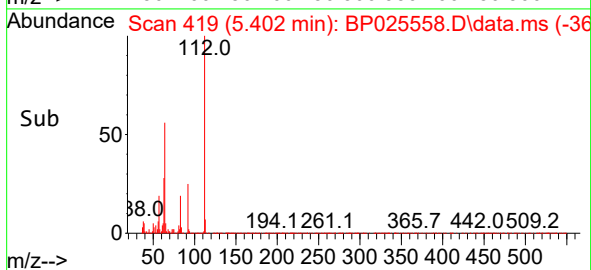
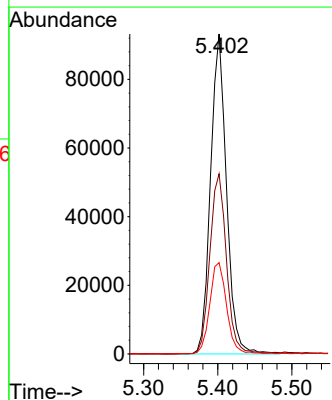
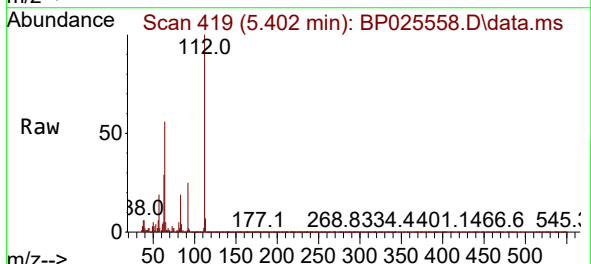
Instrument :
 BNA_P
 ClientSampleId :
 OK-02-08202025

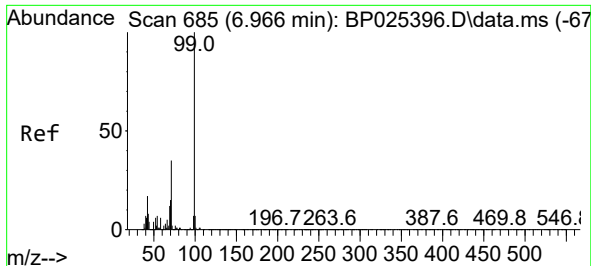
Tgt Ion:152 Resp: 180053
 Ion Ratio Lower Upper
 152 100
 150 157.6 125.9 188.9
 115 61.7 48.5 72.7



#5
 2-Fluorophenol
 Concen: 12.822 ng
 RT: 5.402 min Scan# 419
 Delta R.T. -0.006 min
 Lab File: BP025558.D
 Acq: 22 Aug 2025 21:05

Tgt Ion:112 Resp: 139016
 Ion Ratio Lower Upper
 112 100
 64 56.3 43.8 65.8
 63 28.6 22.7 34.1

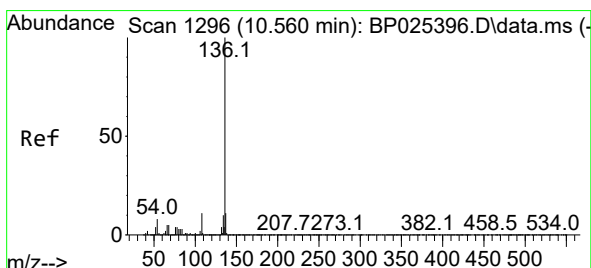
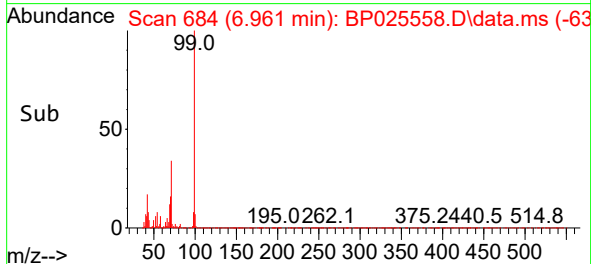
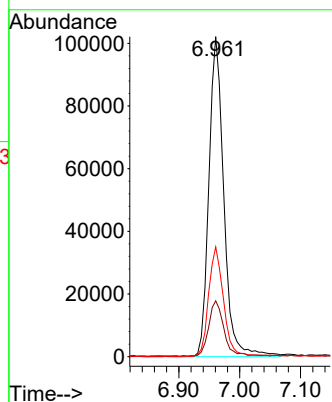
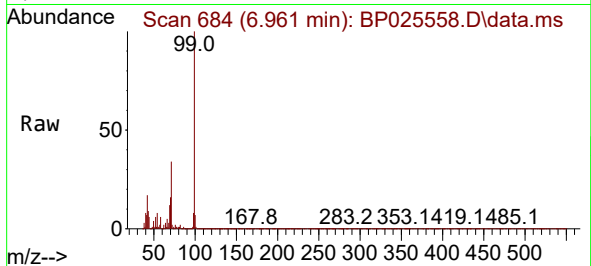




#7
Phenol-d6
Concen: 12.544 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

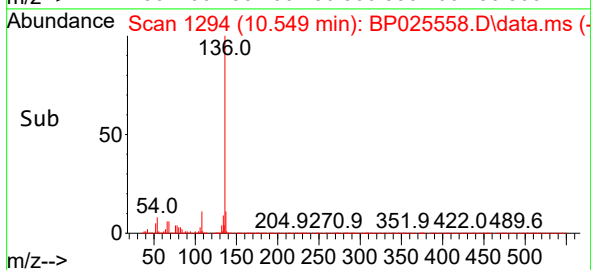
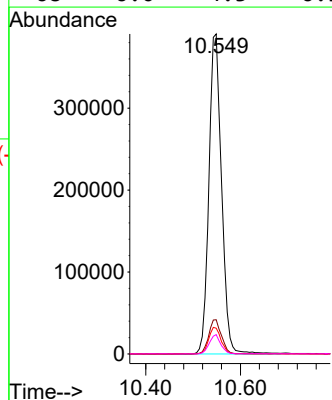
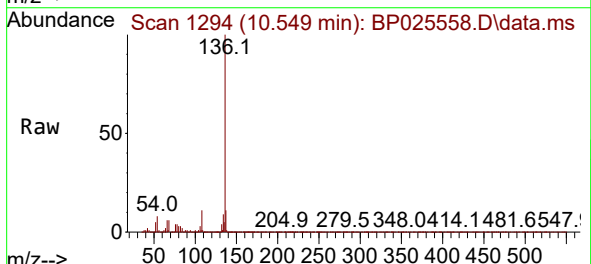
Instrument :
BNA_P
ClientSampleId :
OK-02-08202025

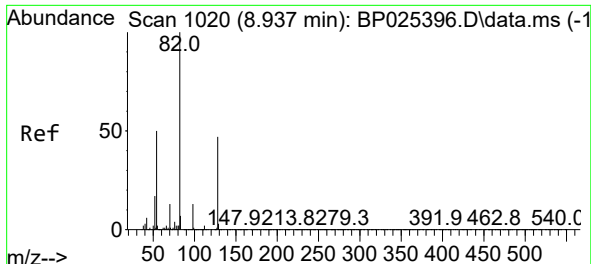
Tgt Ion: 99 Resp: 174360
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 34.3 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

Tgt Ion:136 Resp: 723802
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.0 6.0 9.0
68 6.0 4.3 6.5

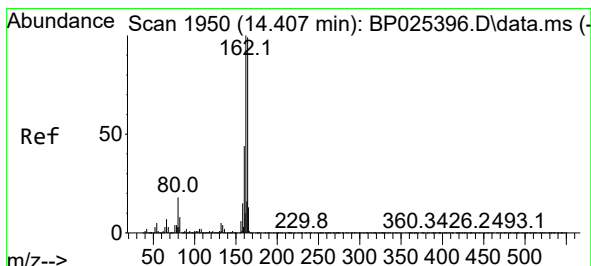
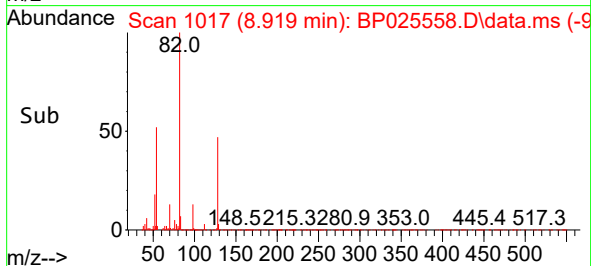
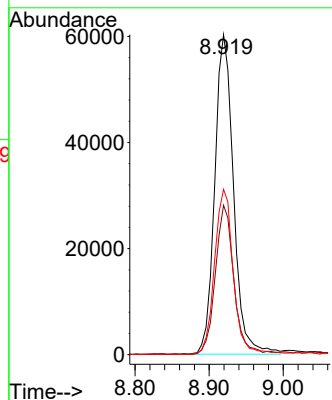
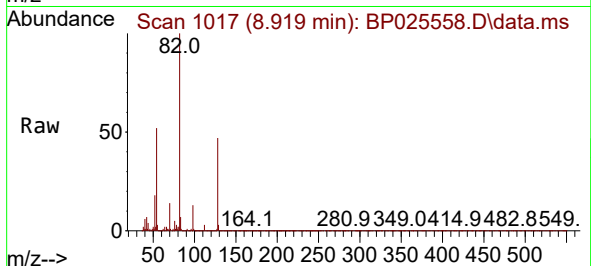




#23
Nitrobenzene-d5
Concen: 7.409 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

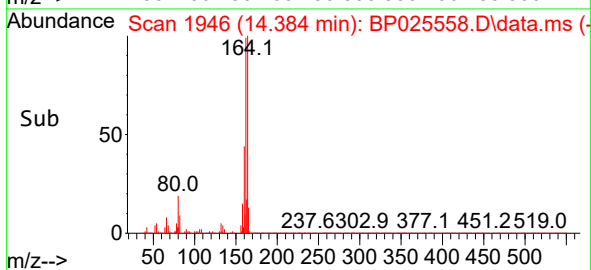
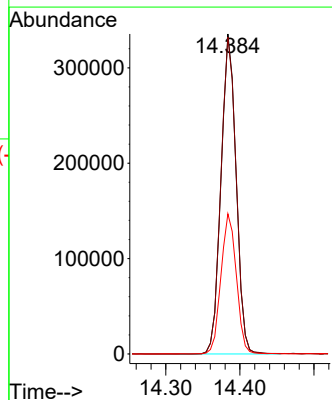
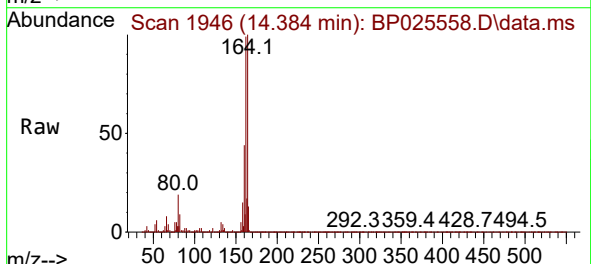
Instrument :
BNA_P
ClientSampleId :
OK-02-08202025

Tgt Ion: 82 Resp: 106007
Ion Ratio Lower Upper
82 100
128 46.7 37.7 56.5
54 51.7 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

Tgt Ion:164 Resp: 473982
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.6
160 43.8 35.4 53.2

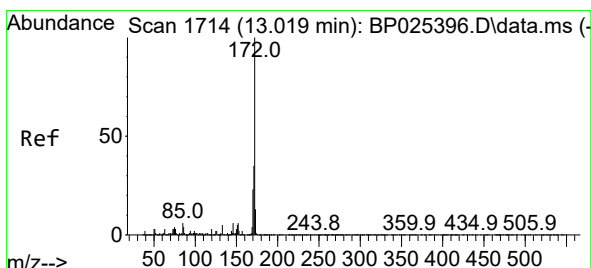
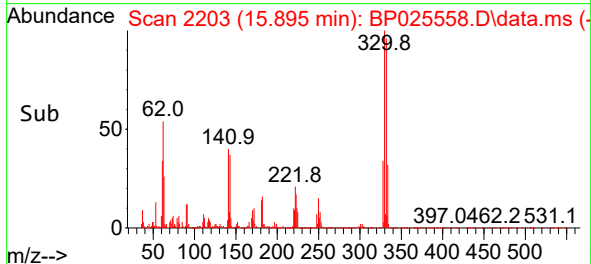
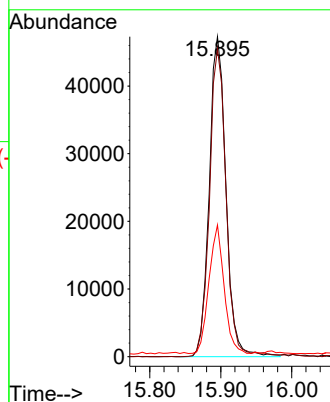
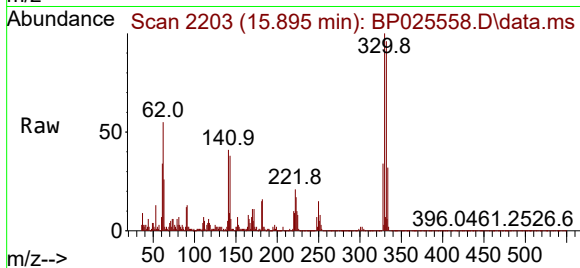




#42
2,4,6-Tribromophenol
Concen: 12.127 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

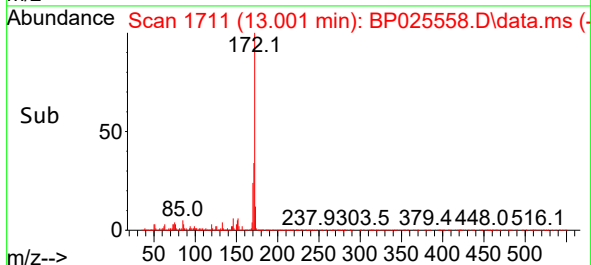
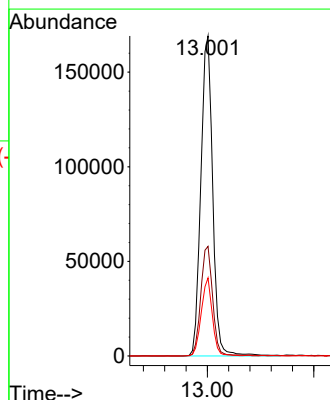
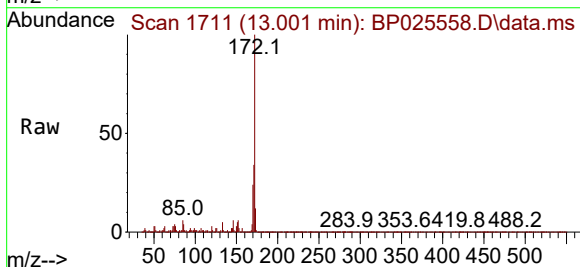
Instrument :
BNA_P
ClientSampleId :
OK-02-08202025

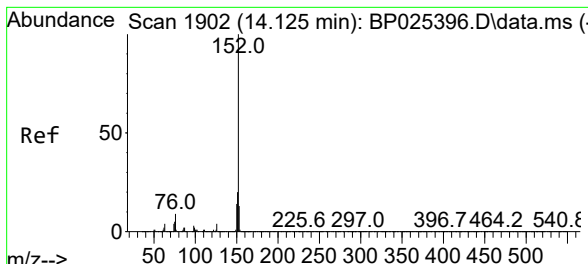
Tgt Ion:330 Resp: 77370
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 36.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 7.520 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.017 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

Tgt Ion:172 Resp: 260812
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 24.4 18.6 28.0



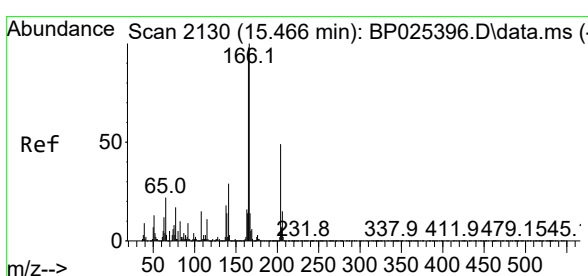
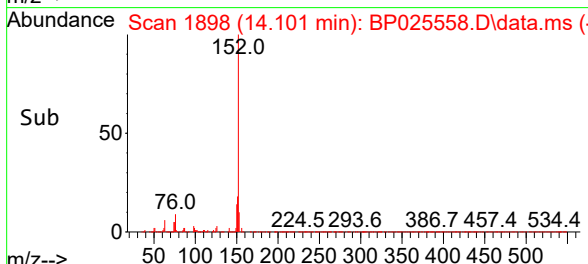
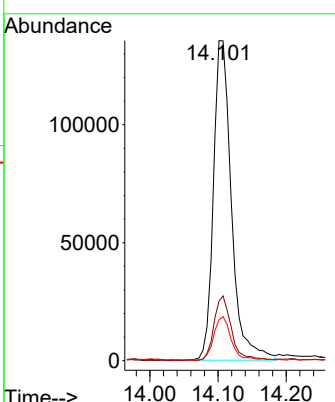
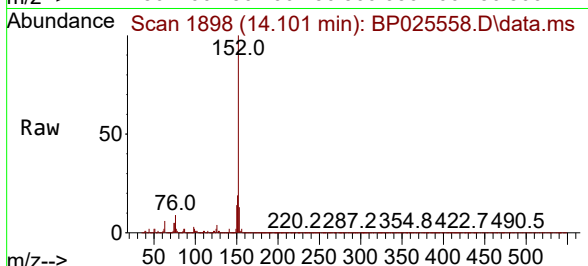


#49
 Acenaphthylene
 Concen: 5.637 ng
 RT: 14.101 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BP025558.D
 Acq: 22 Aug 2025 21:05

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-08202025

Tgt Ion:152 Resp: 249950

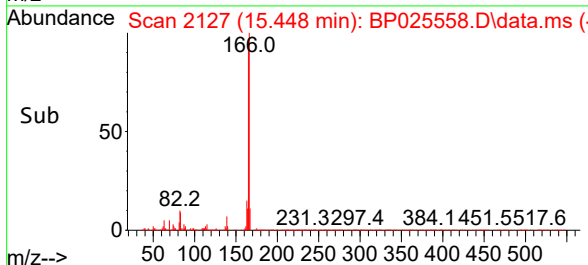
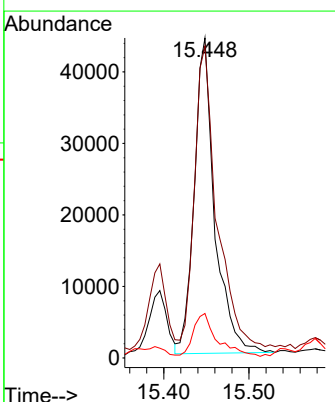
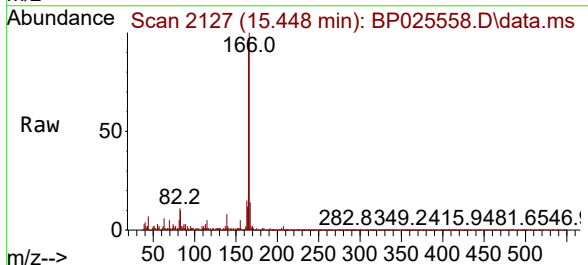
Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.0	24.0
153	12.8	10.6	15.8

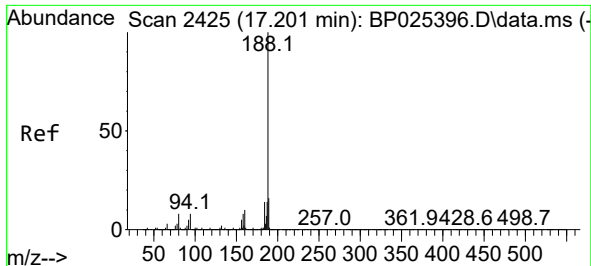


#58
 Fluorene
 Concen: 2.262 ng
 RT: 15.448 min Scan# 2127
 Delta R.T. -0.017 min
 Lab File: BP025558.D
 Acq: 22 Aug 2025 21:05

Tgt Ion:166 Resp: 73465

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.9	11.0	16.4

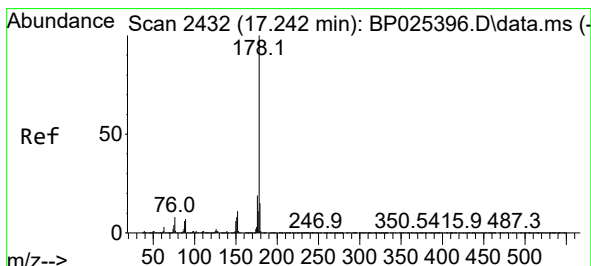
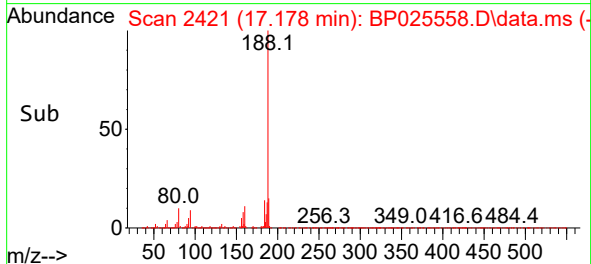
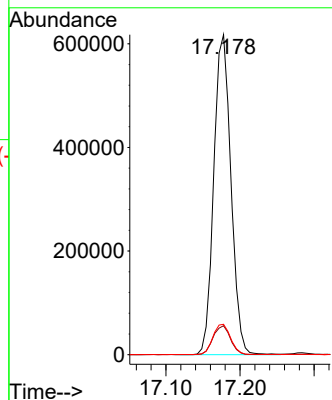
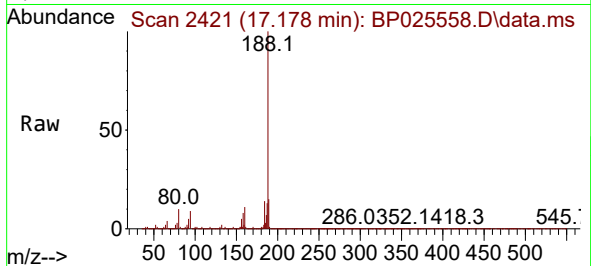




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.023 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

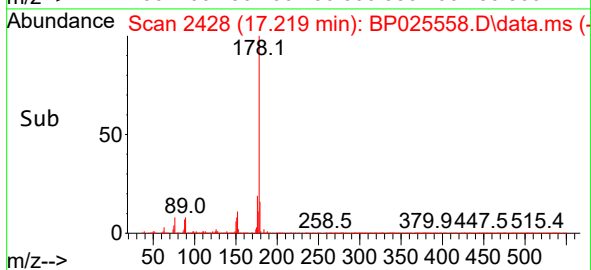
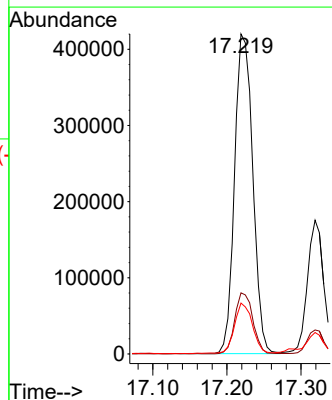
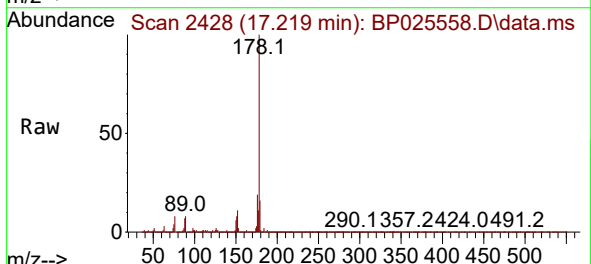
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OK-02-08202025

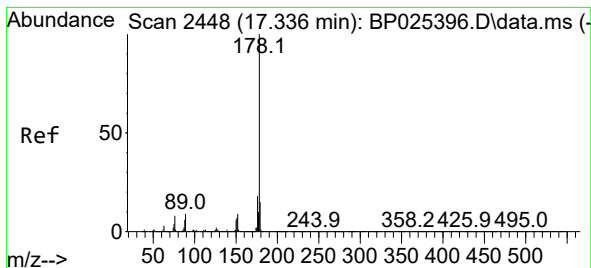
Tgt Ion:188 Resp: 992457
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.5 6.7 10.1



#71
Phenanthrene
Concen: 13.145 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.023 min
Lab File: BP025558.D
Acq: 22 Aug 2025 21:05

Tgt Ion:178 Resp: 716658
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.9 12.2 18.4





#72

Anthracene

Concen: 4.717 ng

RT: 17.319 min Scan# 2445

Delta R.T. -0.017 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

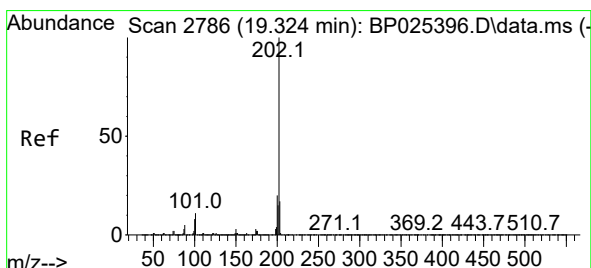
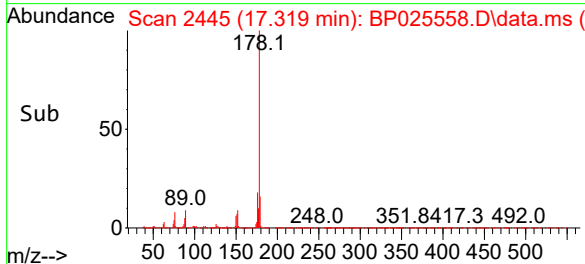
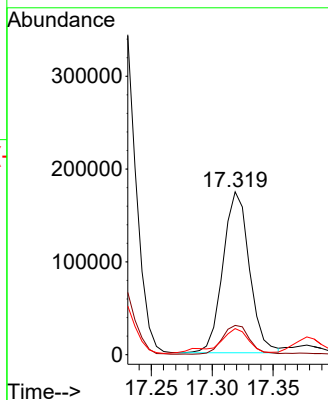
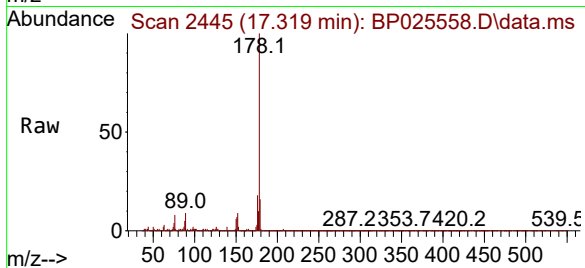
Tgt Ion:178 Resp: 262606

Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

179 16.0 12.2 18.2



#75

Fluoranthene

Concen: 23.416 ng

RT: 19.307 min Scan# 2783

Delta R.T. -0.017 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

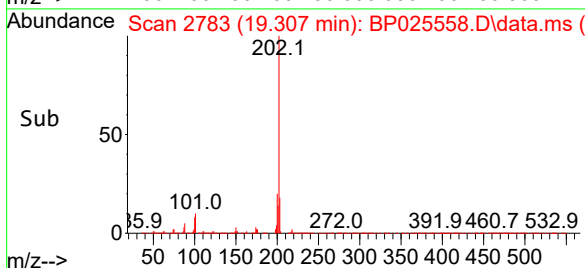
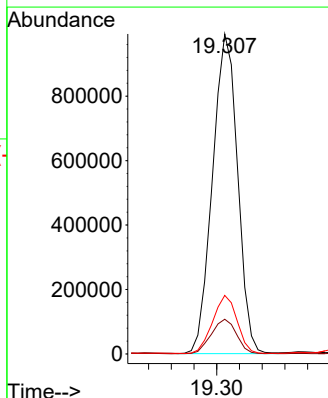
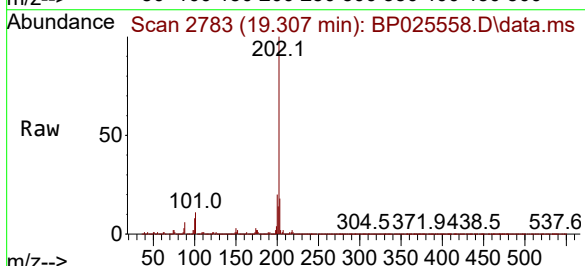
Tgt Ion:202 Resp: 1522807

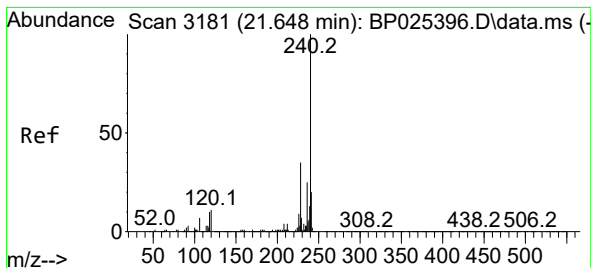
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.1

203 18.3 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

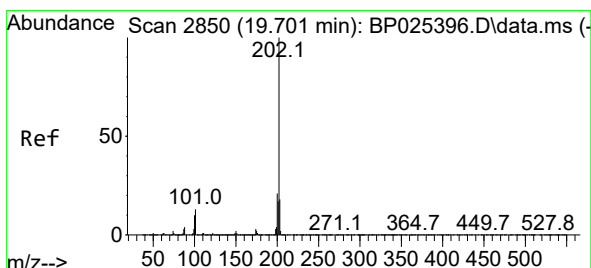
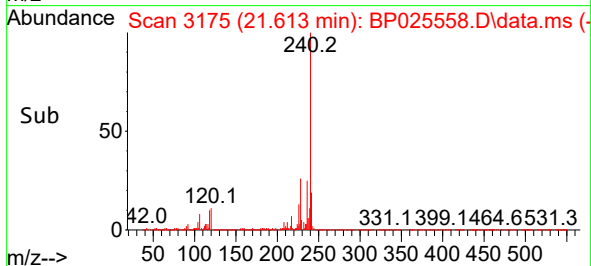
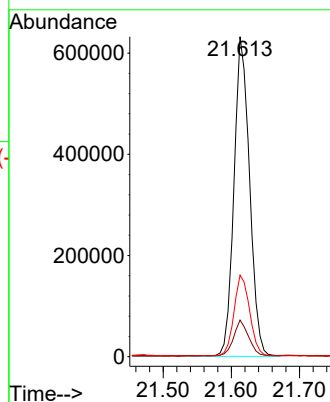
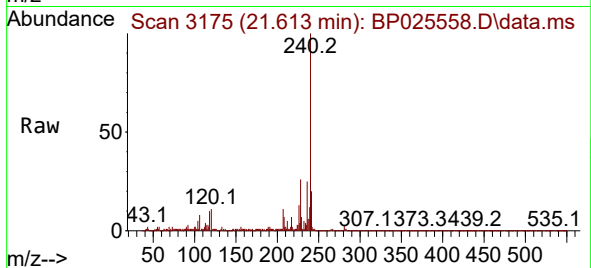
Tgt Ion:240 Resp: 1005716

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

236 25.5 19.8 29.8



#78

Pyrene

Concen: 24.102 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.017 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

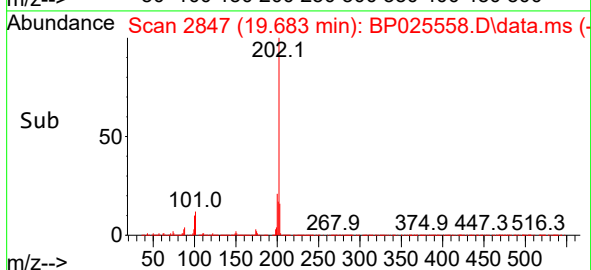
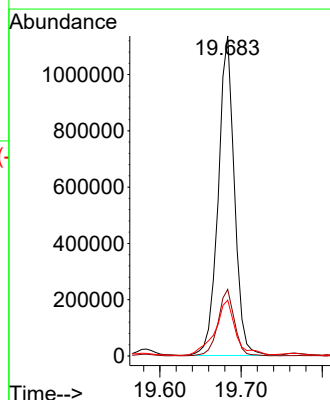
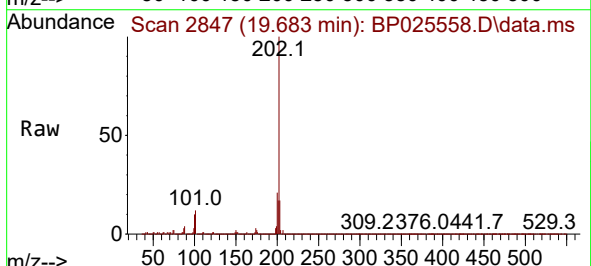
Tgt Ion:202 Resp: 1575490

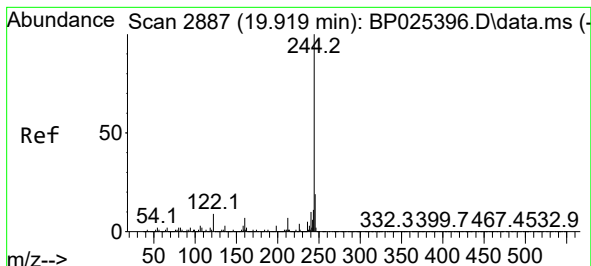
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 7.875 ng

RT: 19.895 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

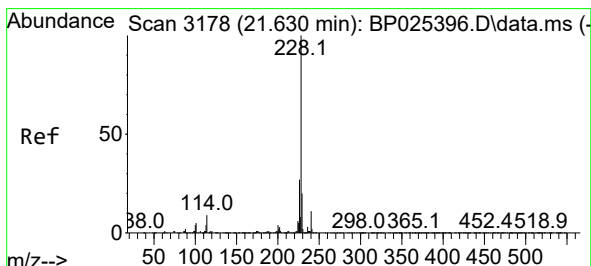
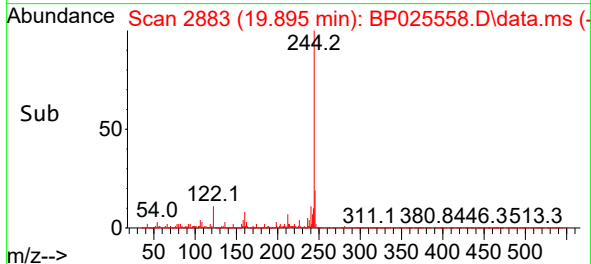
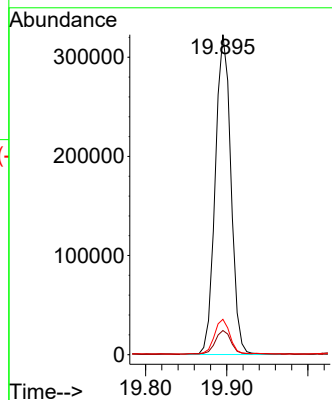
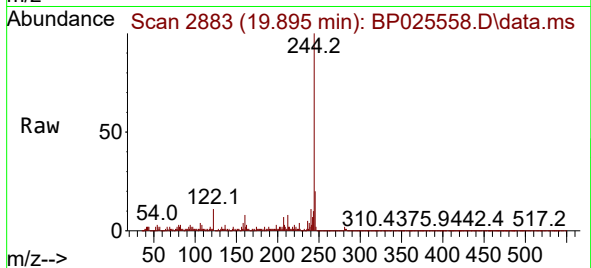
Tgt Ion:244 Resp: 432874

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 11.1 7.4 11.2



#81

Benzo(a)anthracene

Concen: 12.663 ng

RT: 21.595 min Scan# 3172

Delta R.T. -0.035 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

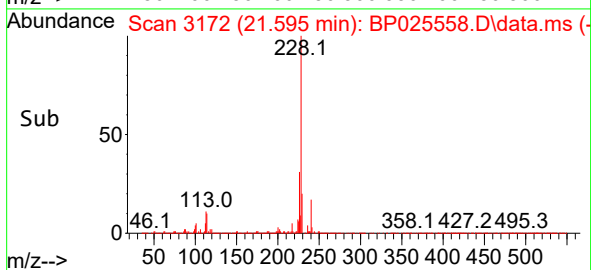
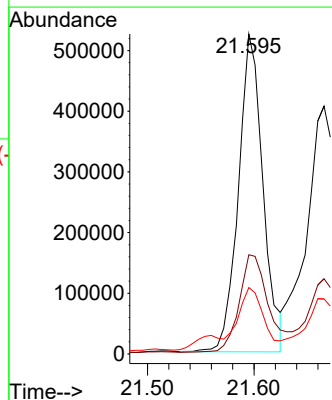
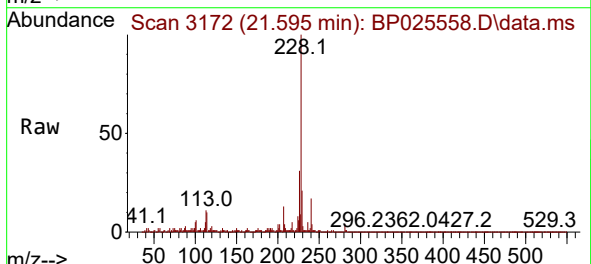
Tgt Ion:228 Resp: 839911

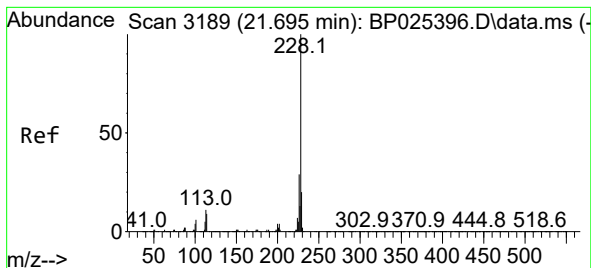
Ion Ratio Lower Upper

228 100

226 31.0 21.7 32.5

229 20.7 15.6 23.4





#83

Chrysene

Concen: 13.003 ng

RT: 21.666 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

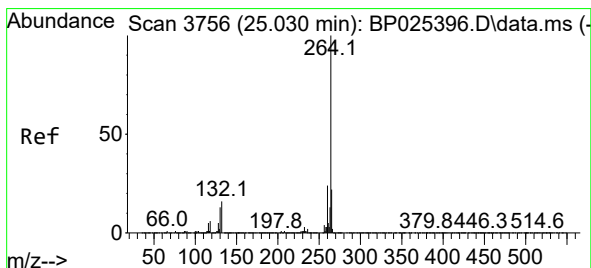
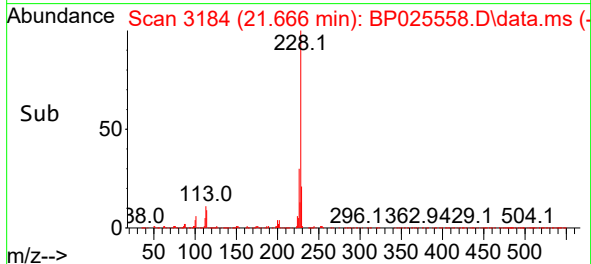
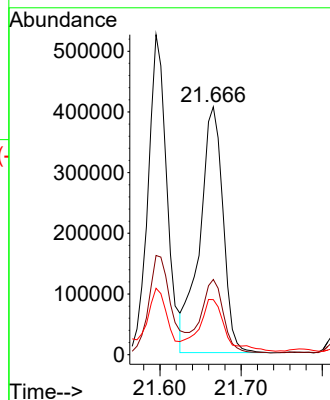
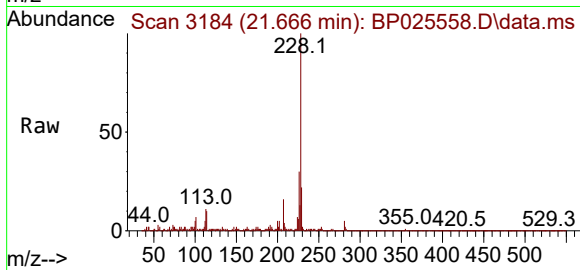
Tgt Ion:228 Resp: 807675

Ion Ratio Lower Upper

228 100

226 30.4 23.2 34.8

229 22.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.041 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

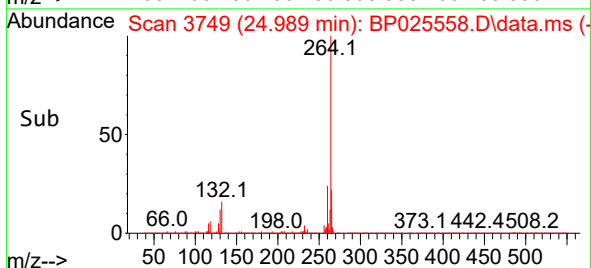
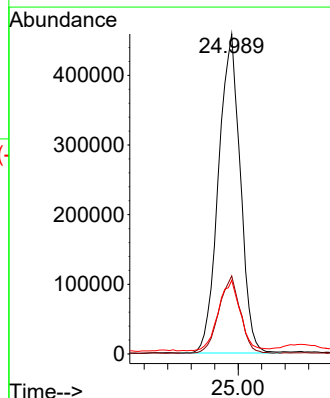
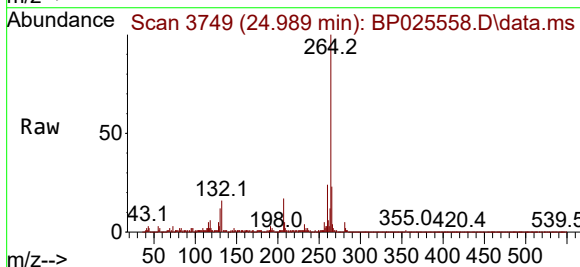
Tgt Ion:264 Resp: 1178982

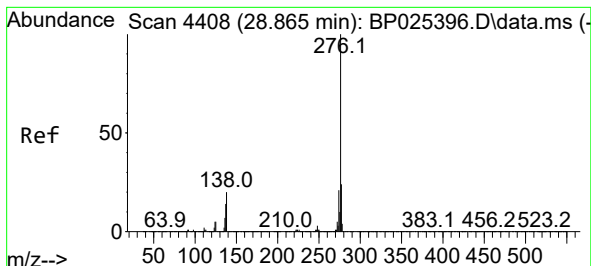
Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

265 23.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.376 ng

RT: 28.789 min Scan# 41

Delta R.T. -0.076 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

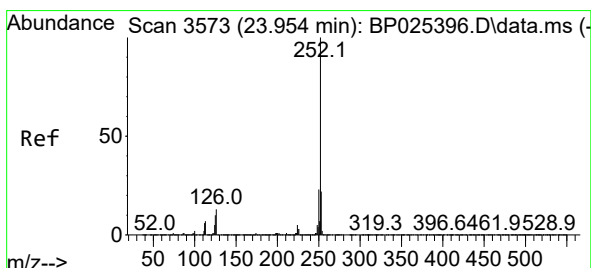
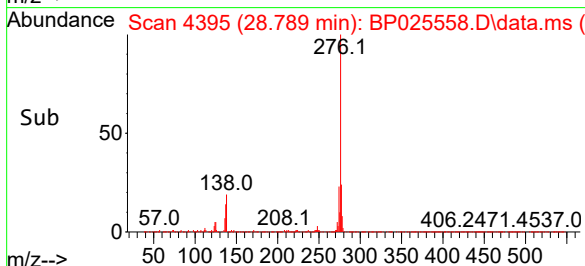
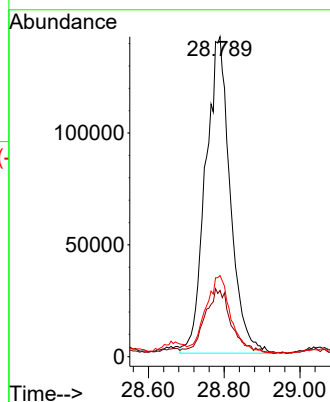
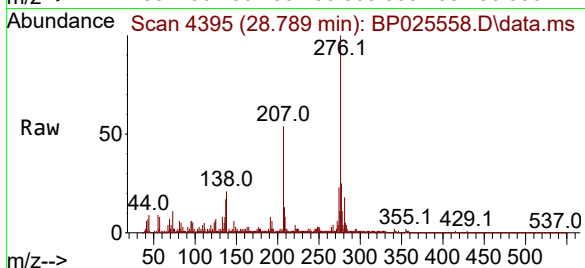
Tgt Ion:276 Resp: 637743

Ion Ratio Lower Upper

276 100

138 21.8 12.9 19.3#

277 25.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 15.393 ng

RT: 23.907 min Scan# 3565

Delta R.T. -0.047 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

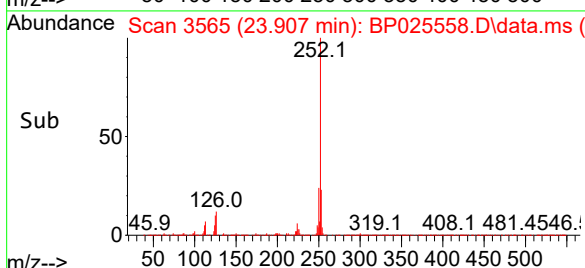
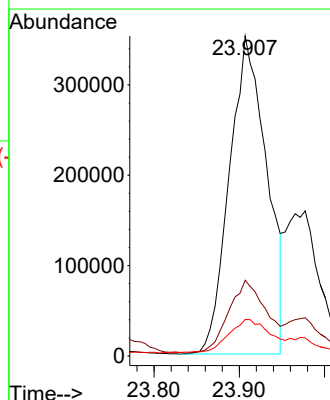
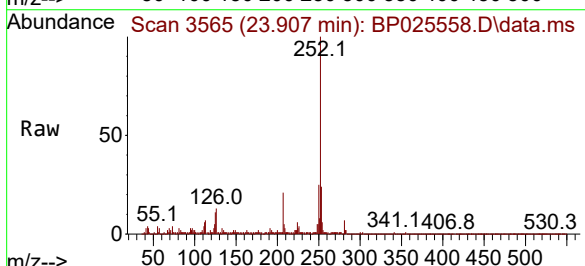
Tgt Ion:252 Resp: 1070132

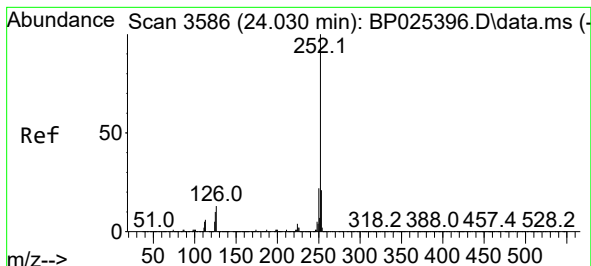
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 11.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 15.382 ng

RT: 23.907 min Scan# 31

Delta R.T. -0.123 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

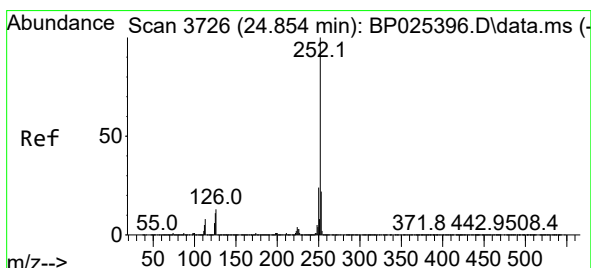
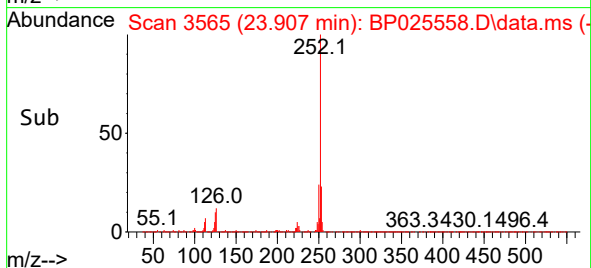
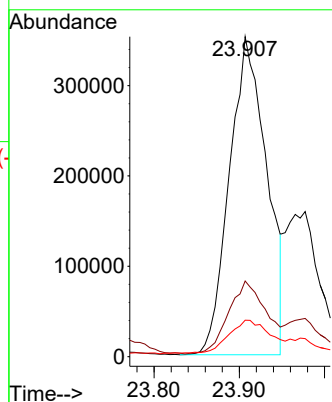
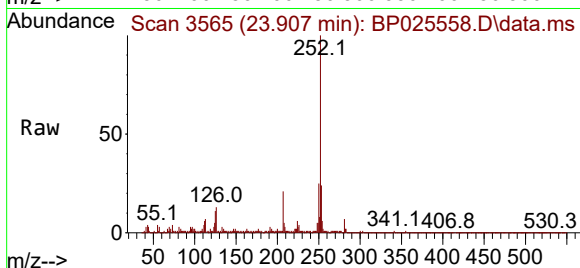
Tgt Ion:252 Resp: 1070132

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 11.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 13.348 ng

RT: 24.813 min Scan# 3719

Delta R.T. -0.041 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

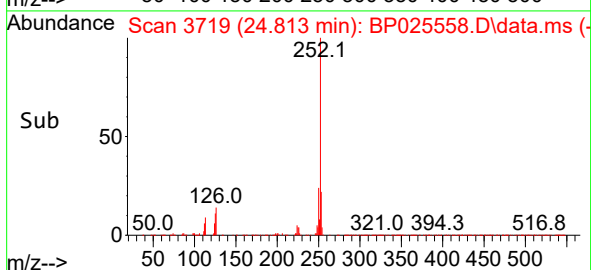
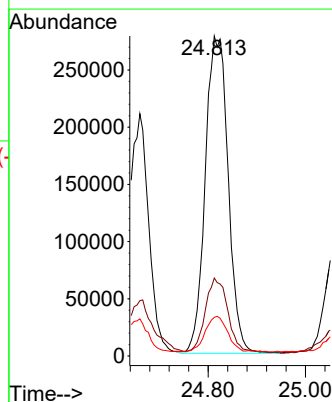
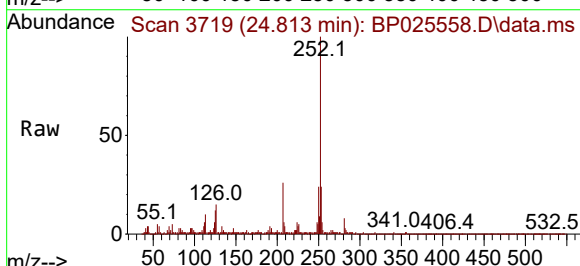
Tgt Ion:252 Resp: 903336

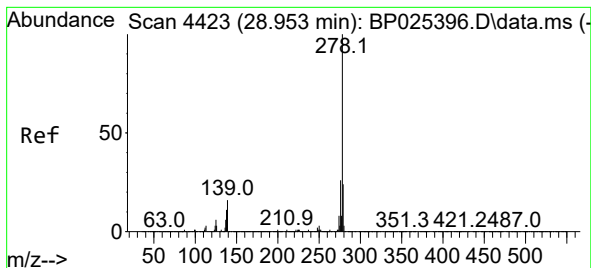
Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 12.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.334 ng

RT: 28.848 min Scan# 4423

Delta R.T. -0.106 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Instrument :

BNA_P

ClientSampleId :

OK-02-08202025

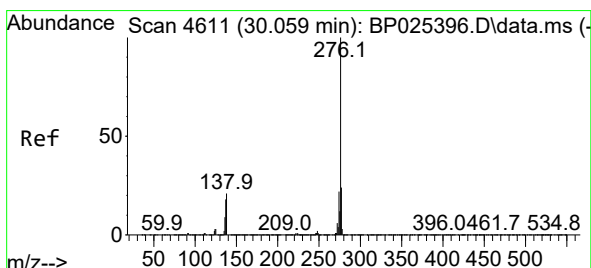
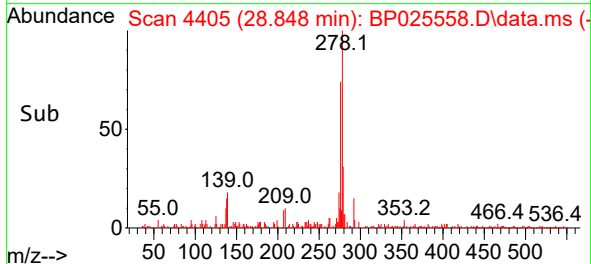
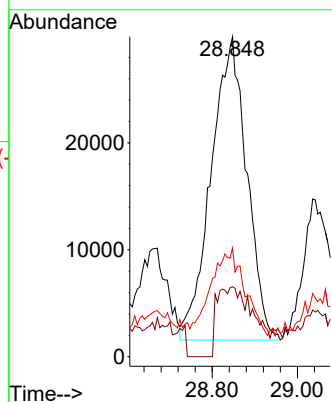
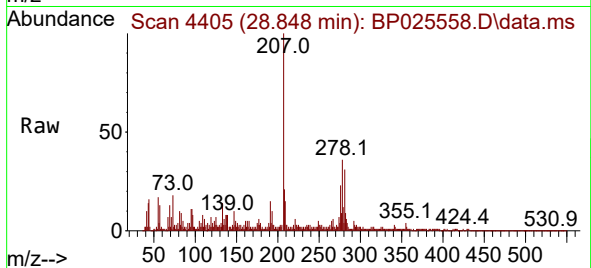
Tgt Ion:278 Resp: 164886

Ion Ratio Lower Upper

278 100

139 21.9 13.0 19.4#

279 33.9 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 9.666 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.070 min

Lab File: BP025558.D

Acq: 22 Aug 2025 21:05

Tgt Ion:276 Resp: 671333

Ion Ratio Lower Upper

276 100

277 23.4 19.4 29.0

138 22.7 16.7 25.1

