

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
 Data File : BP025432.D
 Acq On : 15 Aug 2025 18:17
 Operator : CG/JU
 Sample : Q2820-07RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 518R-SRE

Quant Time: Aug 18 01:35:53 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)

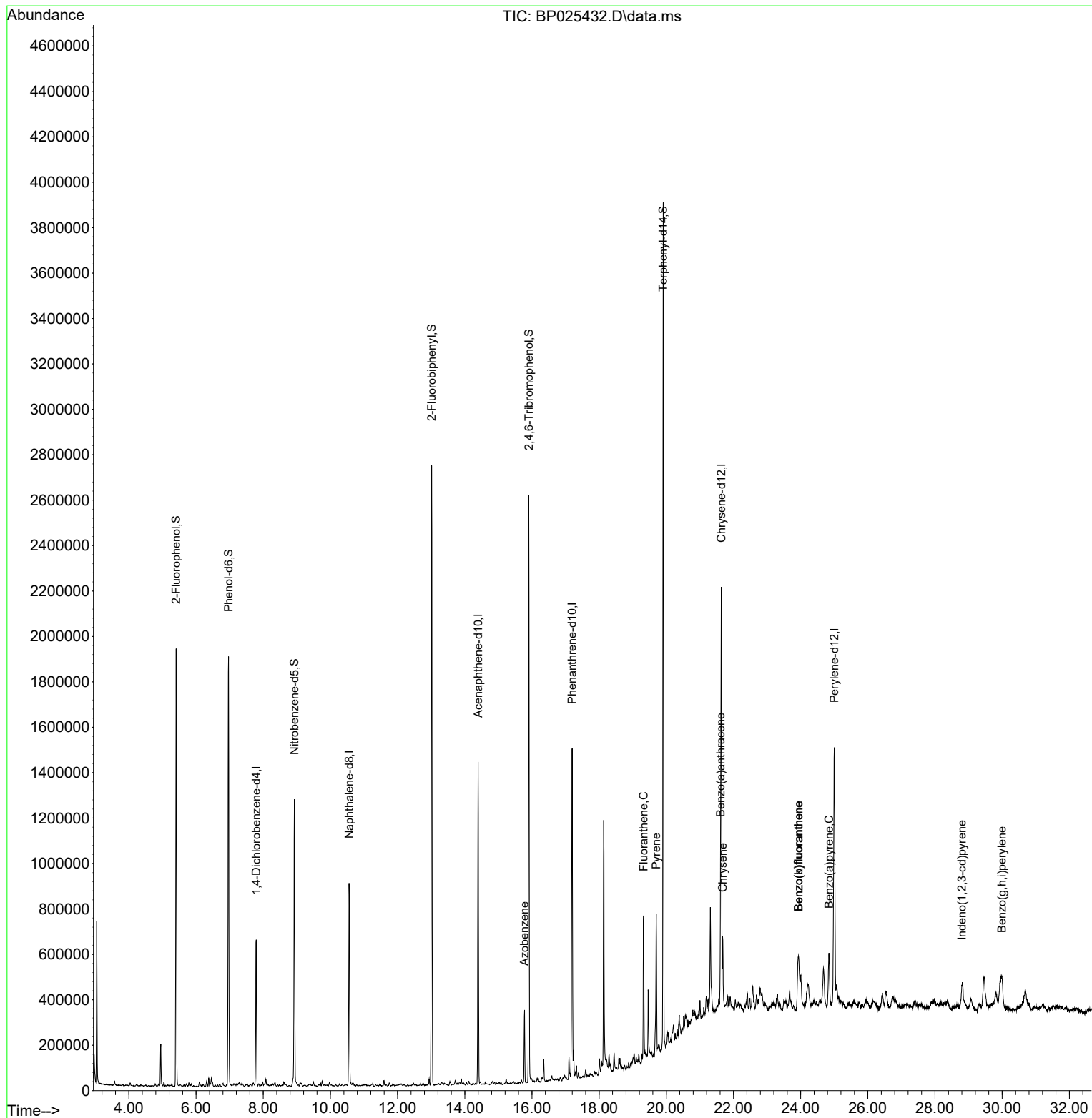
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	179235	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	753535	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	491372	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	974965	20.000	ng	0.00
76) Chrysene-d12	21.636	240	981082	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1090629	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	832459	77.131	ng	0.00
7) Phenol-d6	6.967	99	1097761	79.334	ng	0.00
23) Nitrobenzene-d5	8.925	82	683691	45.897	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	491427	74.302	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1527739	42.492	ng	0.00
79) Terphenyl-d14	19.907	244	1908236	35.586	ng	-0.01
Target Compounds						
						Qvalue
63) Azobenzene	15.778	77	89209	2.850	ng	# 1
75) Fluoranthene	19.325	202	429343	6.721	ng	99
78) Pyrene	19.701	202	425334	6.670	ng	99
81) Benzo(a)anthracene	21.613	228	270559	4.182	ng	99
83) Chrysene	21.677	228	235050	3.879	ng	96
87) Indeno(1,2,3-cd)pyrene	28.801	276	194162	2.428	ng	# 92
88) Benzo(b)fluoranthene	23.936	252	357789	5.563	ng	96
89) Benzo(k)fluoranthene	23.936	252	357789	5.560	ng	95
90) Benzo(a)pyrene	24.842	252	262653	4.196	ng	97
92) Benzo(g,h,i)perylene	29.995	276	190056	2.958	ng	98

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

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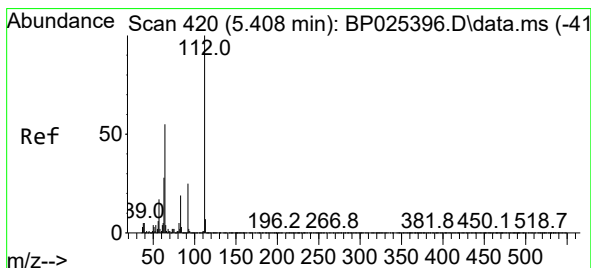
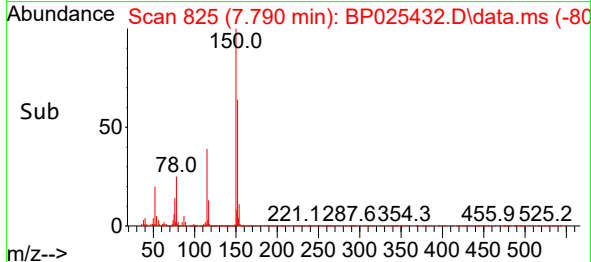
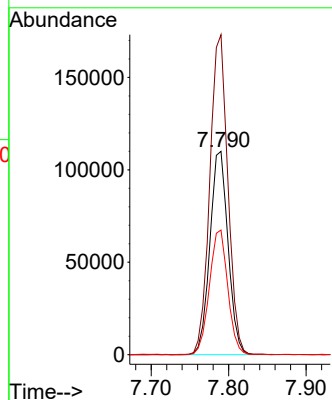
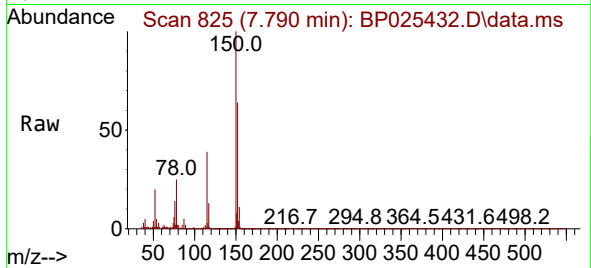




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

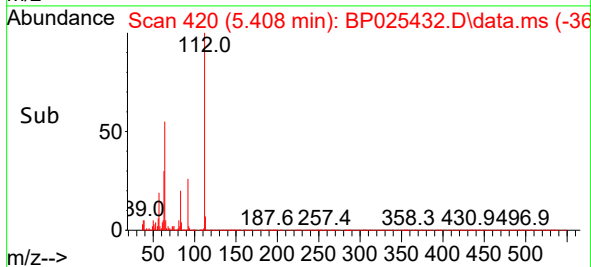
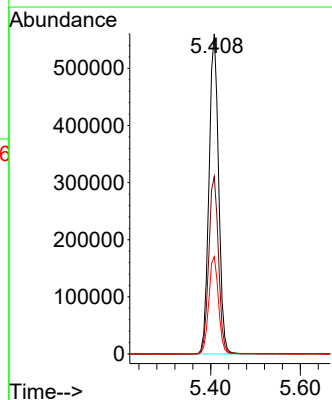
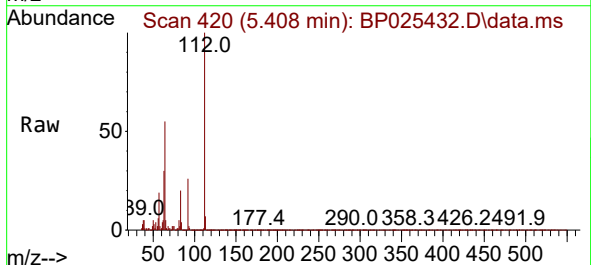
Instrument :
BNA_P
ClientSampleId :
518R-SRE

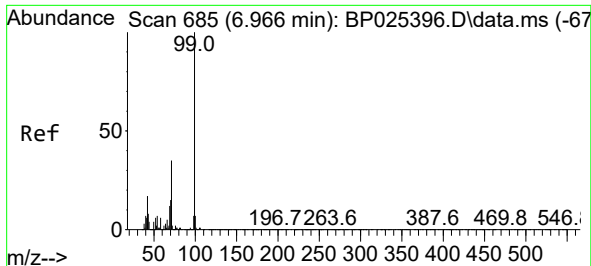
Tgt Ion:152 Resp: 179235
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 61.3 48.5 72.7



#5
2-Fluorophenol
Concen: 77.131 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:112 Resp: 832459
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.8
63 30.4 22.7 34.1

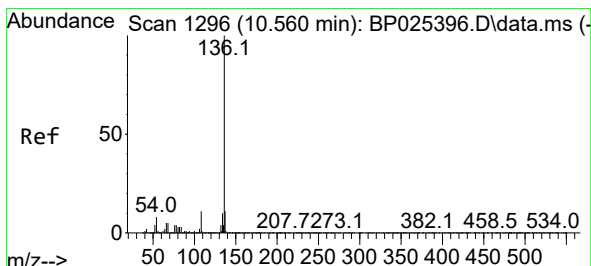
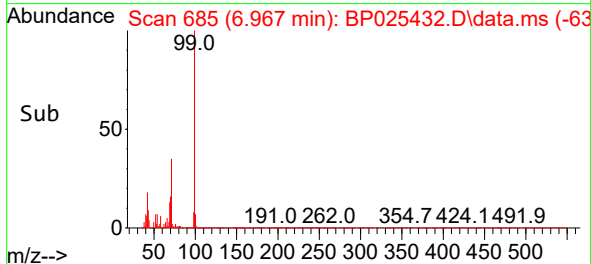
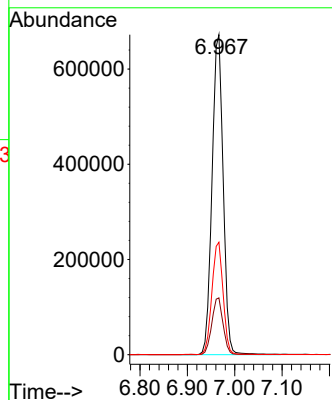
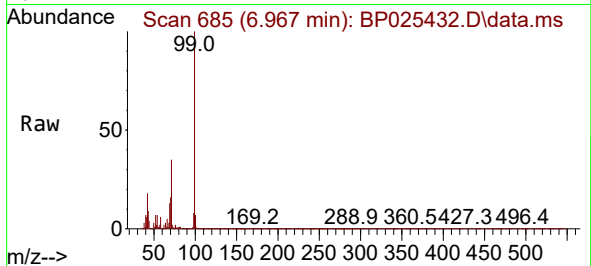




#7
Phenol-d6
Concen: 79.334 ng
RT: 6.967 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

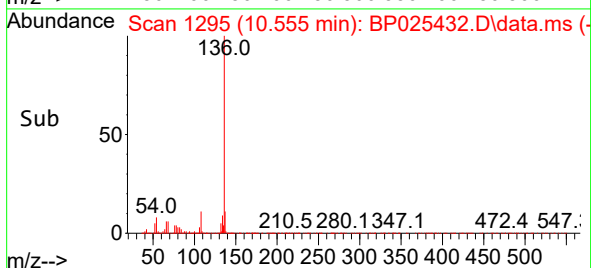
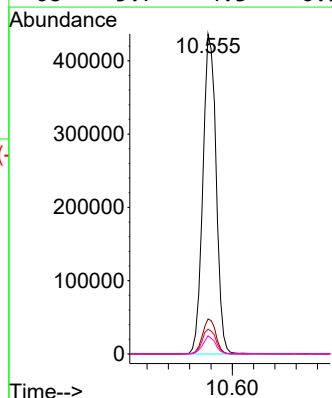
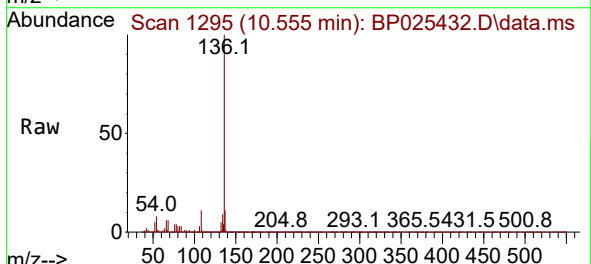
Instrument :
BNA_P
ClientSampleId :
518R-SRE

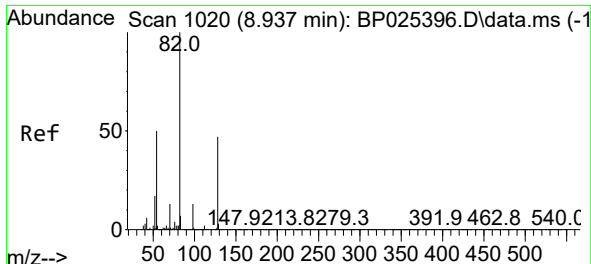
Tgt Ion: 99 Resp: 1097761
Ion Ratio Lower Upper
99 100
42 17.7 13.7 20.5
71 35.2 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:136 Resp: 753535
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.7 6.0 9.0
68 5.7 4.3 6.5

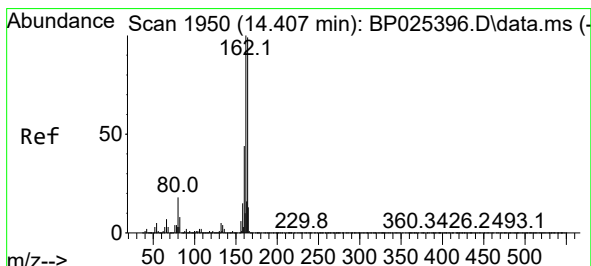
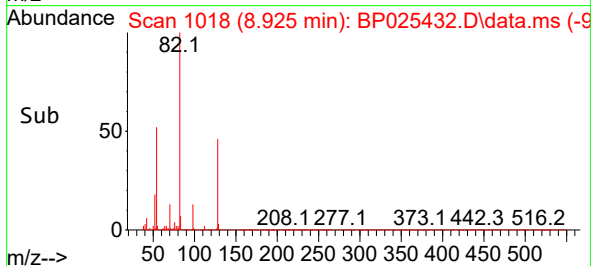
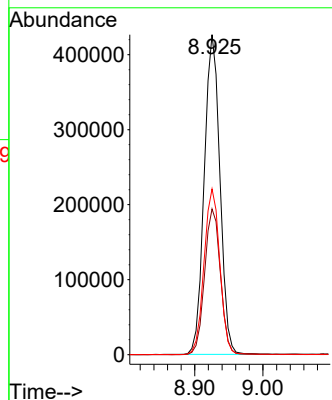
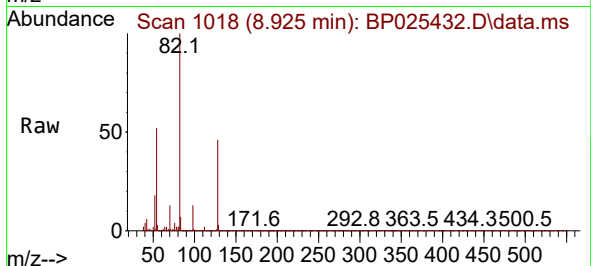




#23
Nitrobenzene-d5
Concen: 45.897 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

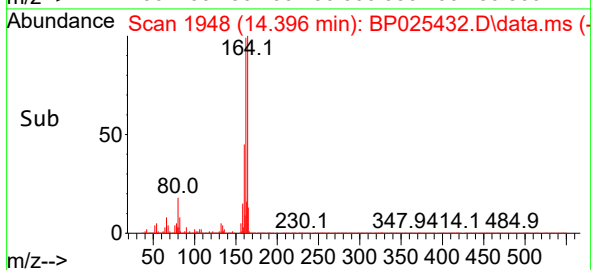
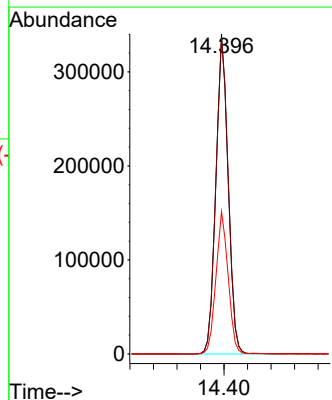
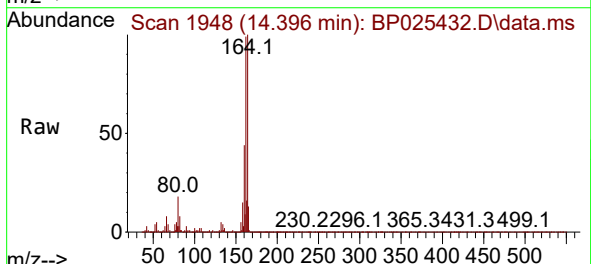
Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion: 82 Resp: 683691
Ion Ratio Lower Upper
82 100
128 45.5 37.7 56.5
54 51.8 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion: 164 Resp: 491372
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.6
160 44.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 74.302 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

BNA_P

ClientSampleId :

518R-SRE

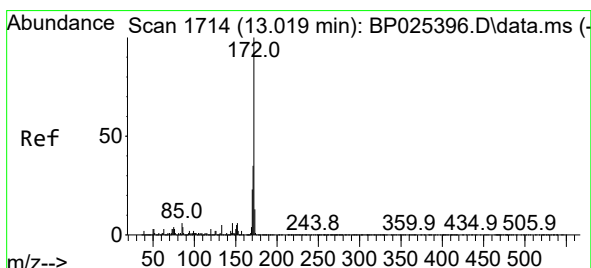
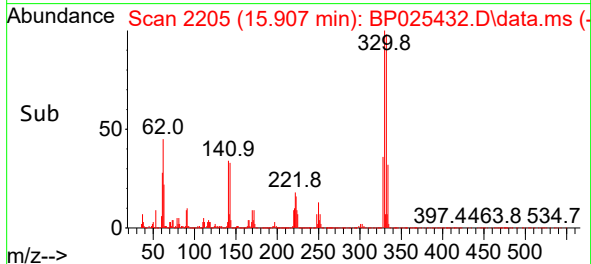
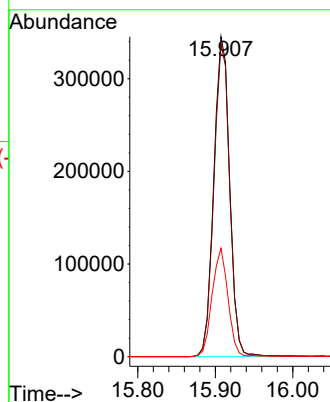
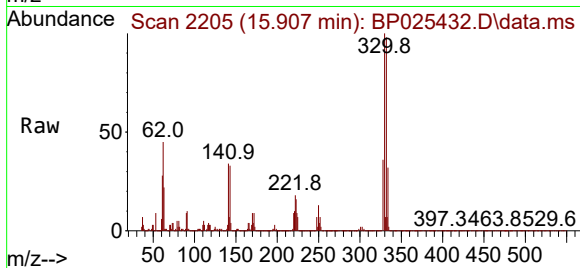
Tgt Ion:330 Resp: 491427

Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

141 33.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 42.492 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

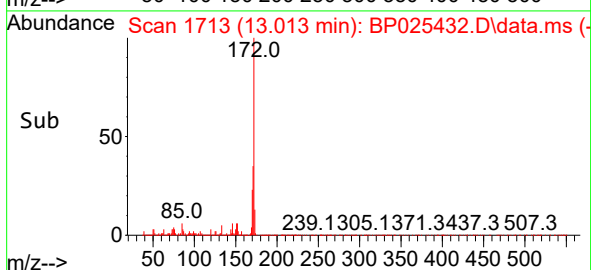
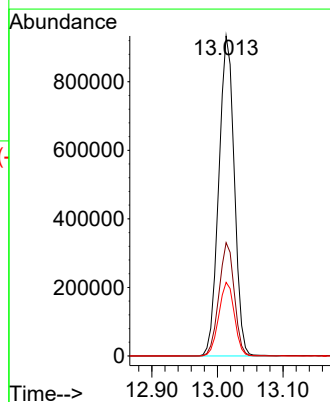
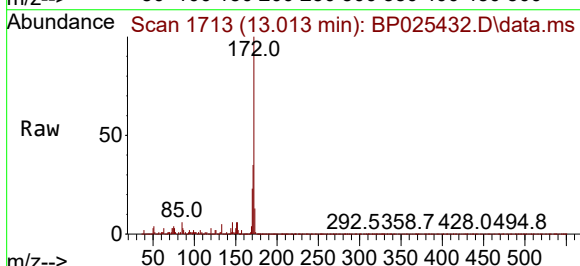
Tgt Ion:172 Resp: 1527739

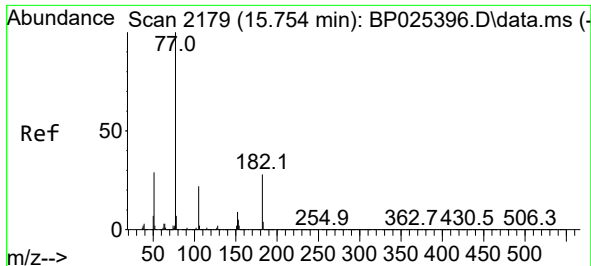
Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.0 18.6 28.0

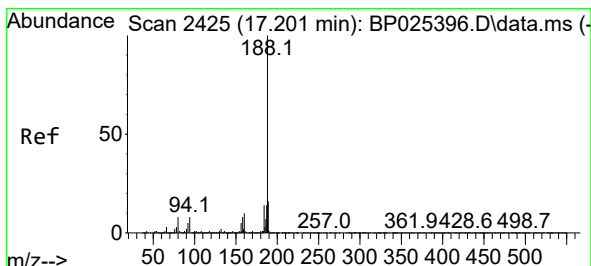
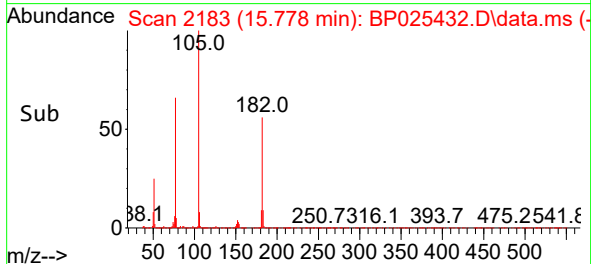
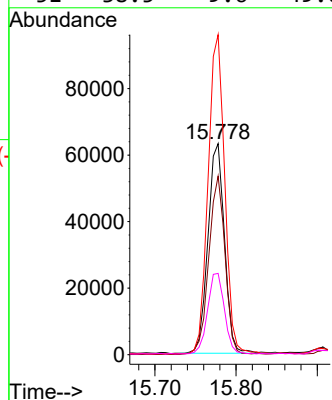
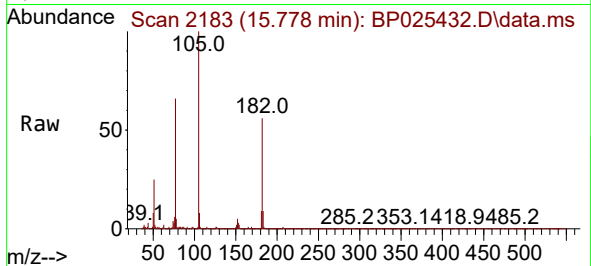




#63
Azobenzene
Concen: 2.850 ng
RT: 15.778 min Scan# 2179
Delta R.T. 0.024 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

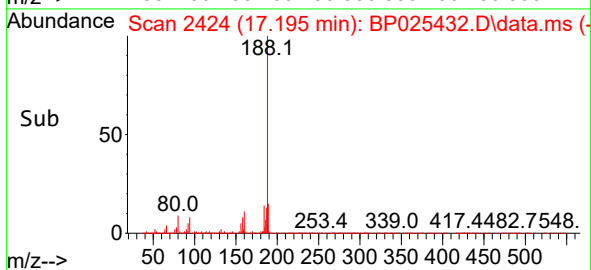
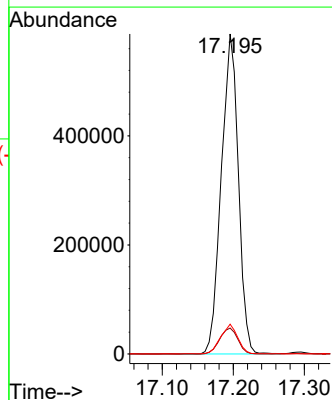
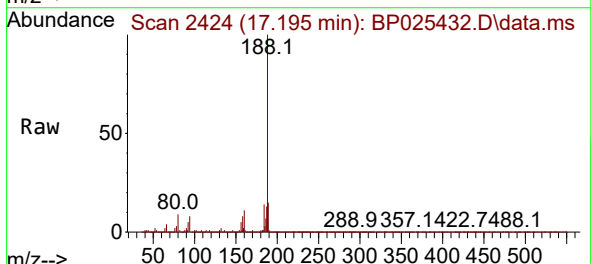
Instrument :
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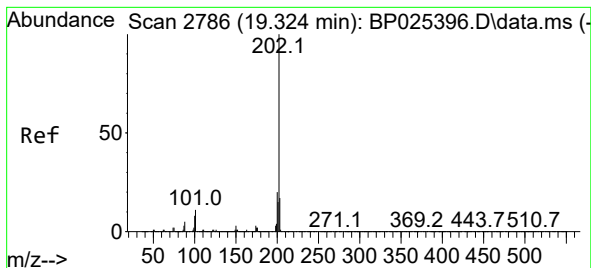
Tgt Ion: 77 Resp: 89209
Ion Ratio Lower Upper
77 100
182 84.6 7.5 47.5#
105 151.7 2.1 42.1#
51 38.5 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion: 188 Resp: 974965
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 9.3 6.7 10.1





#75

Fluoranthene

Concen: 6.721 ng

RT: 19.325 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

BNA_P

ClientSampleId :

518R-SRE

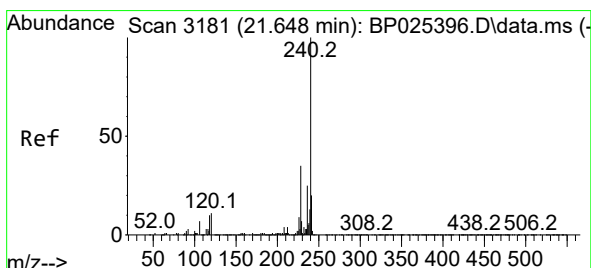
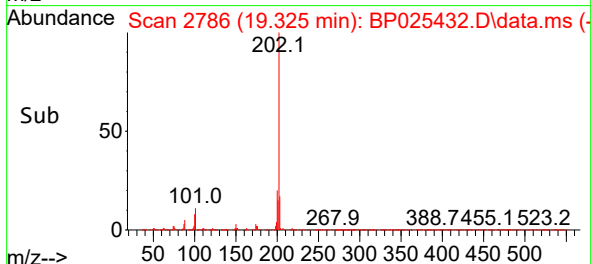
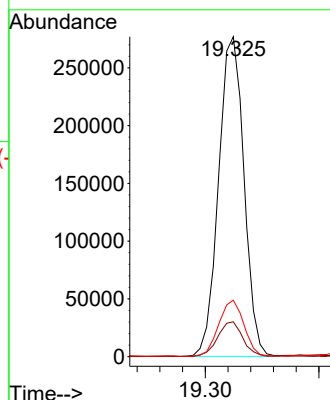
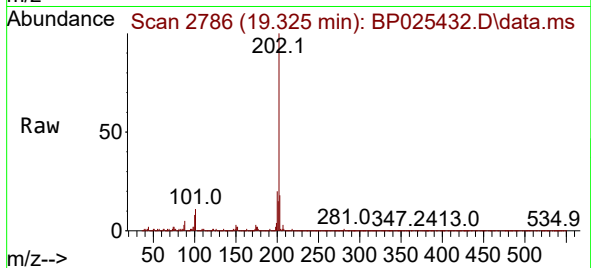
Tgt Ion:202 Resp: 429343

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

203 17.7 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.012 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

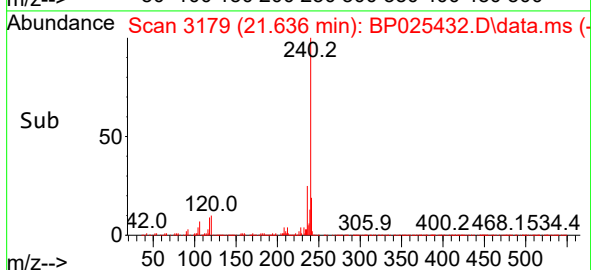
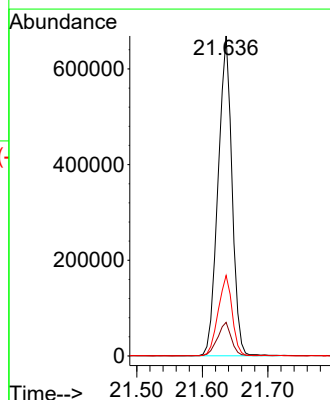
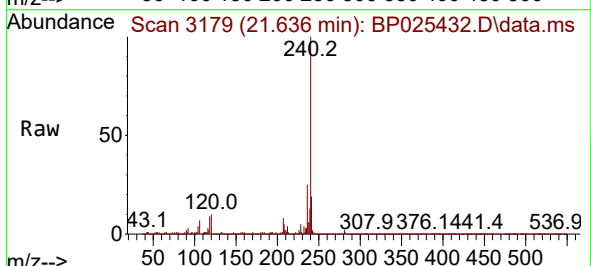
Tgt Ion:240 Resp: 981082

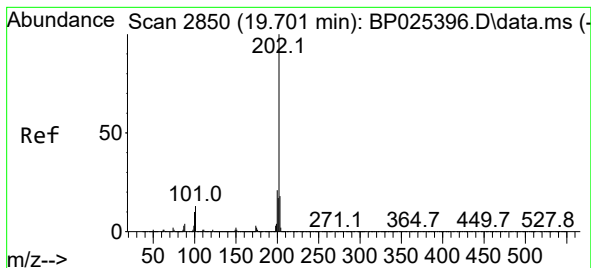
Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

236 25.1 19.8 29.8





#78

Pyrene

Concen: 6.670 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

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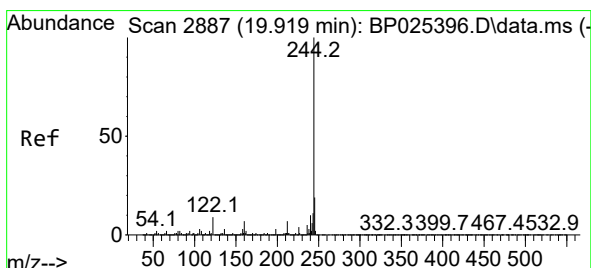
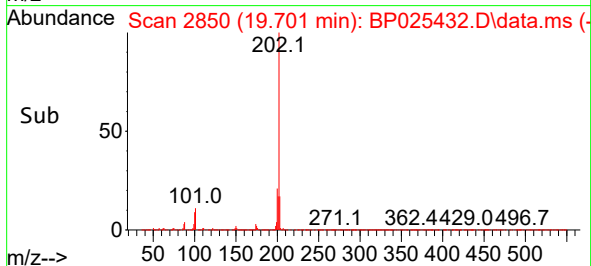
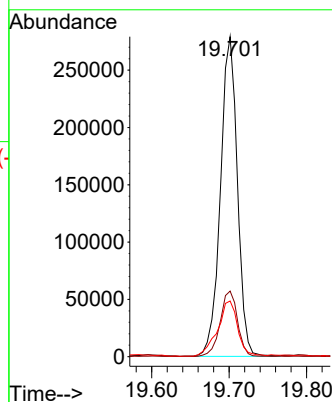
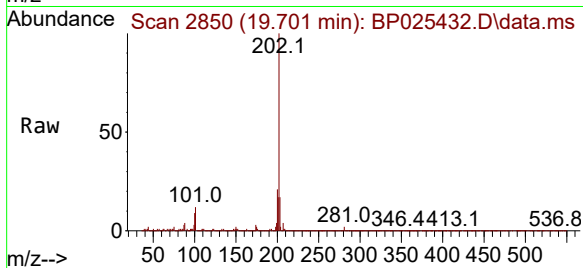
Tgt Ion:202 Resp: 425334

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.4 14.2 21.2



#79

Terphenyl-d14

Concen: 35.586 ng

RT: 19.907 min Scan# 2885

Delta R.T. -0.012 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

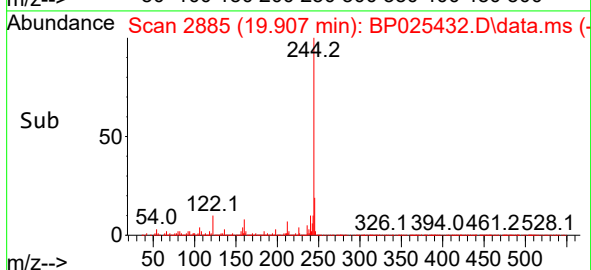
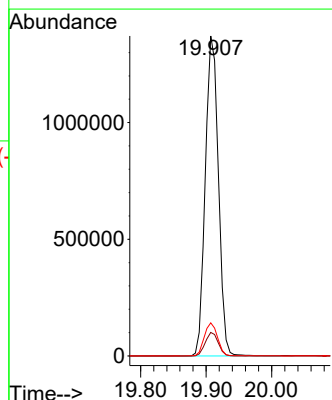
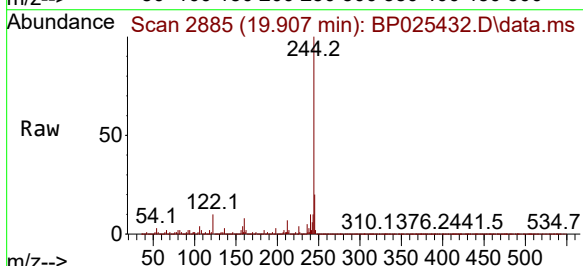
Tgt Ion:244 Resp: 1908236

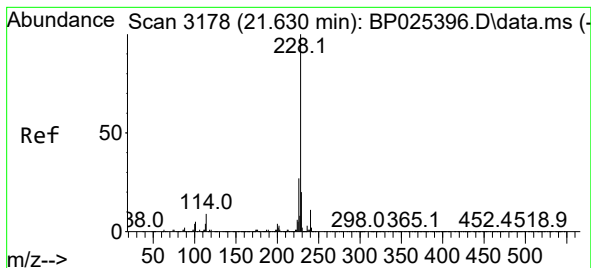
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.3 7.4 11.2





#81

Benzo(a)anthracene

Concen: 4.182 ng

RT: 21.613 min Scan# 3175

Delta R.T. -0.017 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

BNA_P

ClientSampleId :

518R-SRE

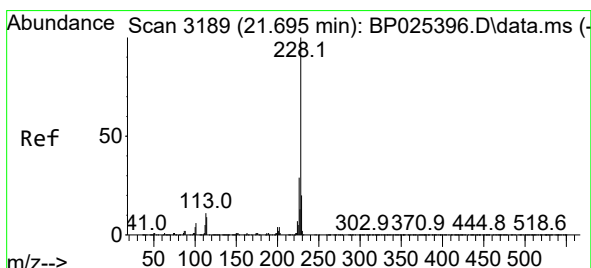
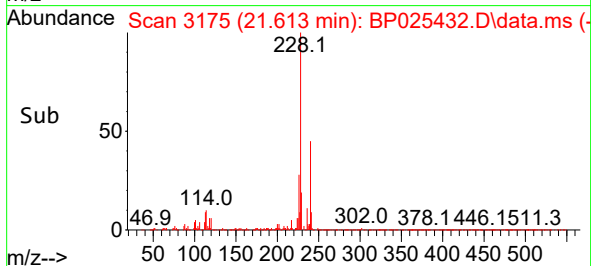
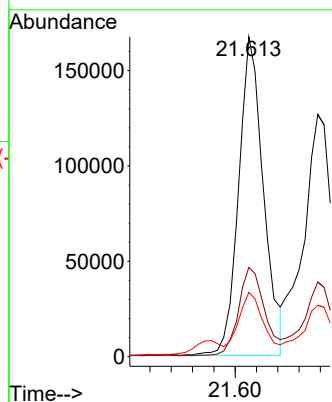
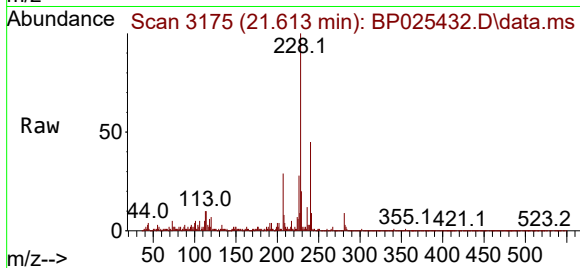
Tgt Ion:228 Resp: 270559

Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

229 20.1 15.6 23.4



#83

Chrysene

Concen: 3.879 ng

RT: 21.677 min Scan# 3186

Delta R.T. -0.017 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

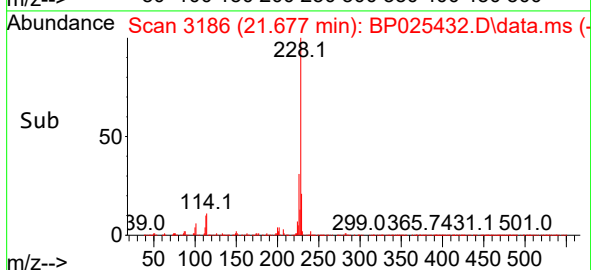
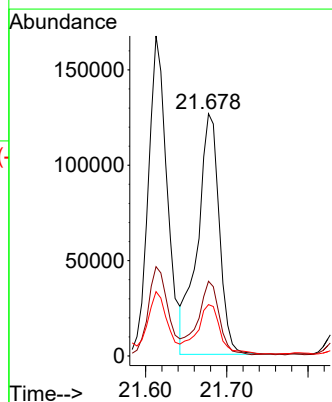
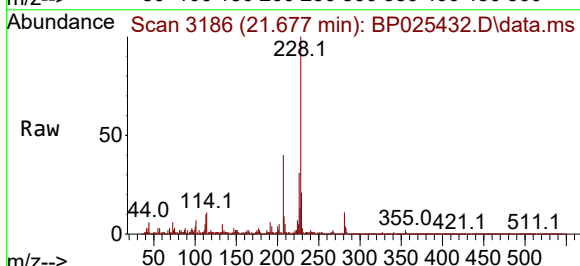
Tgt Ion:228 Resp: 235050

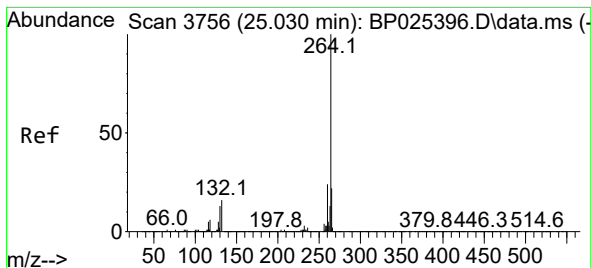
Ion Ratio Lower Upper

228 100

226 30.8 23.2 34.8

229 21.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

BNA_P

ClientSampleId :

518R-SRE

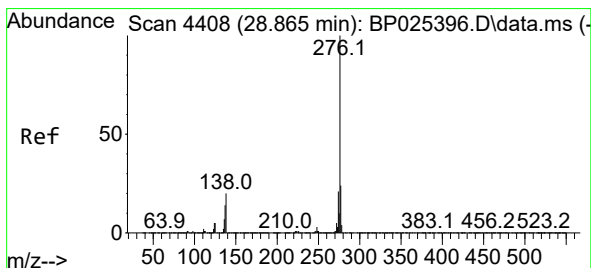
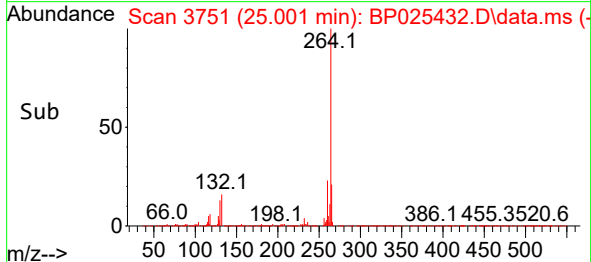
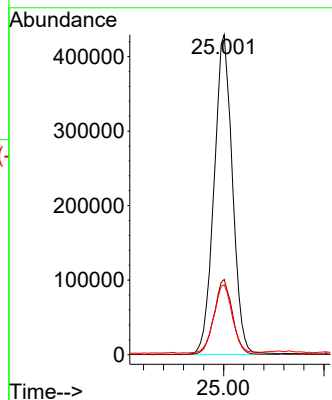
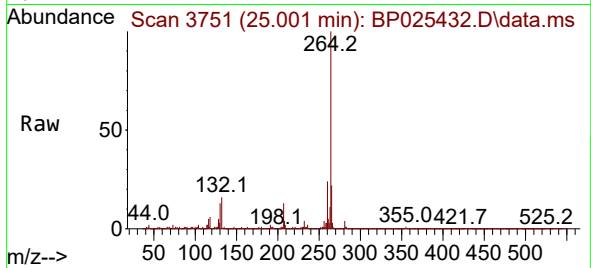
Tgt Ion:264 Resp: 1090629

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.428 ng

RT: 28.801 min Scan# 4397

Delta R.T. -0.064 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

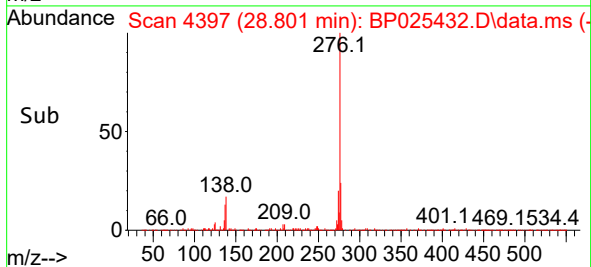
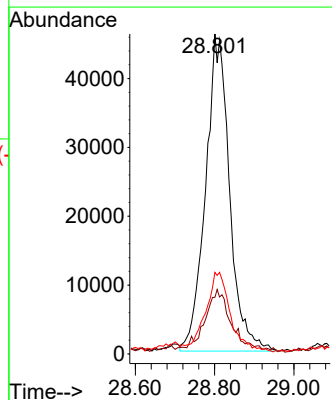
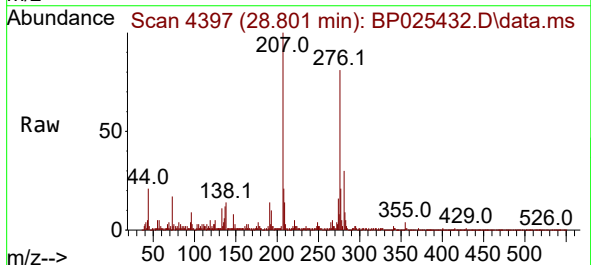
Tgt Ion:276 Resp: 194162

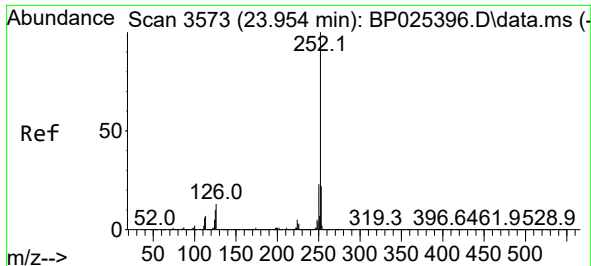
Ion Ratio Lower Upper

276 100

138 18.6 12.9 19.3

277 25.9 17.0 25.6#

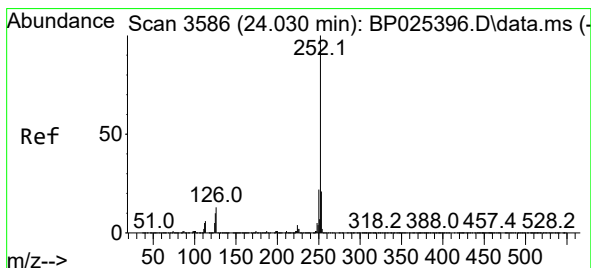
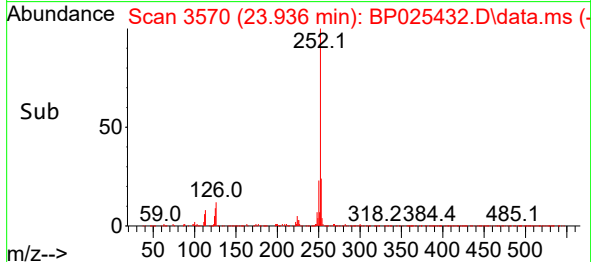
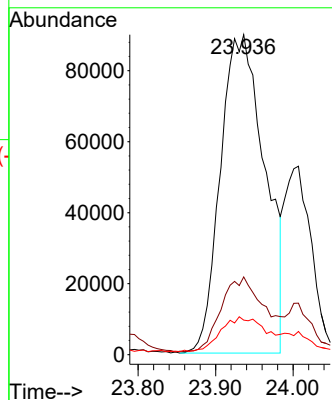
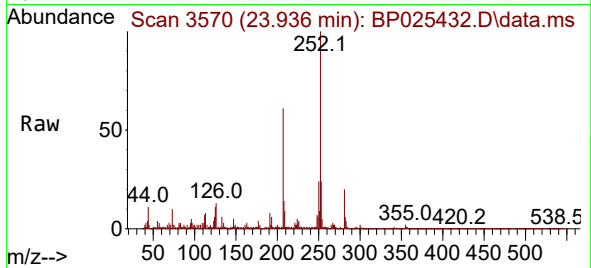




#88
Benzo(b)fluoranthene
Concen: 5.563 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.017 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

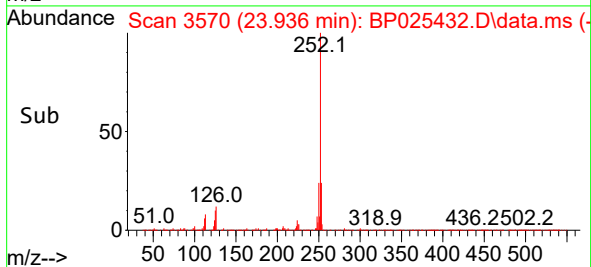
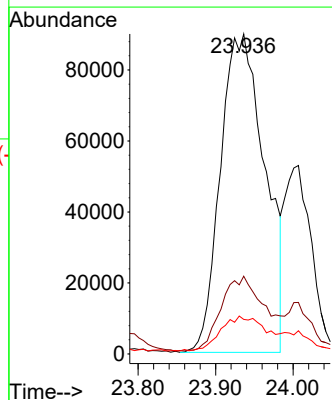
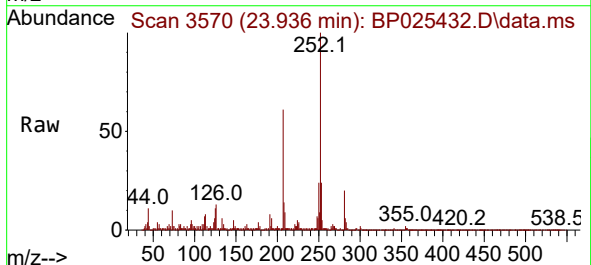
Instrument :
BNA_P
ClientSampleId :
518R-SRE

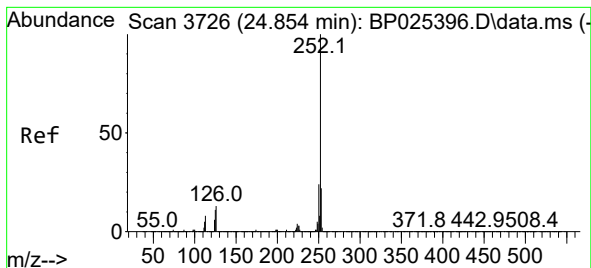
Tgt Ion:252 Resp: 357789
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 10.8 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 5.560 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.094 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:252 Resp: 357789
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 10.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 4.196 ng

RT: 24.842 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Instrument :

BNA_P

ClientSampleId :

518R-SRE

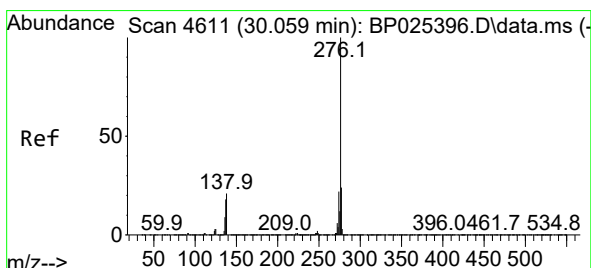
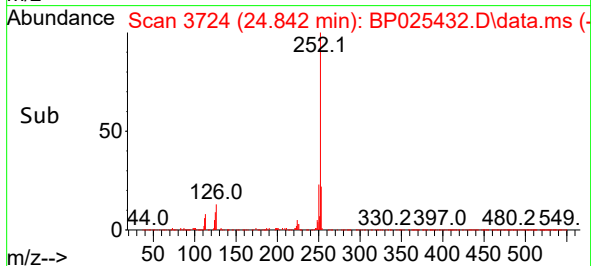
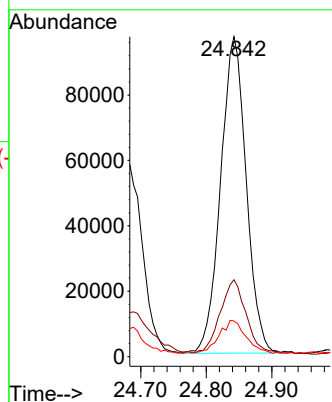
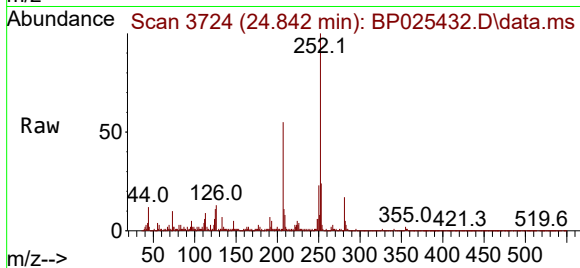
Tgt Ion:252 Resp: 262653

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 11.2 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 2.958 ng

RT: 29.995 min Scan# 4600

Delta R.T. -0.064 min

Lab File: BP025432.D

Acq: 15 Aug 2025 18:17

Tgt Ion:276 Resp: 190056

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.0

138 22.1 16.7 25.1

