

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082825\
 Data File : BP025614.D
 Acq On : 28 Aug 2025 16:39
 Operator : CG/JU
 Sample : Q2971-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP5

Quant Time: Aug 28 17:55:05 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)

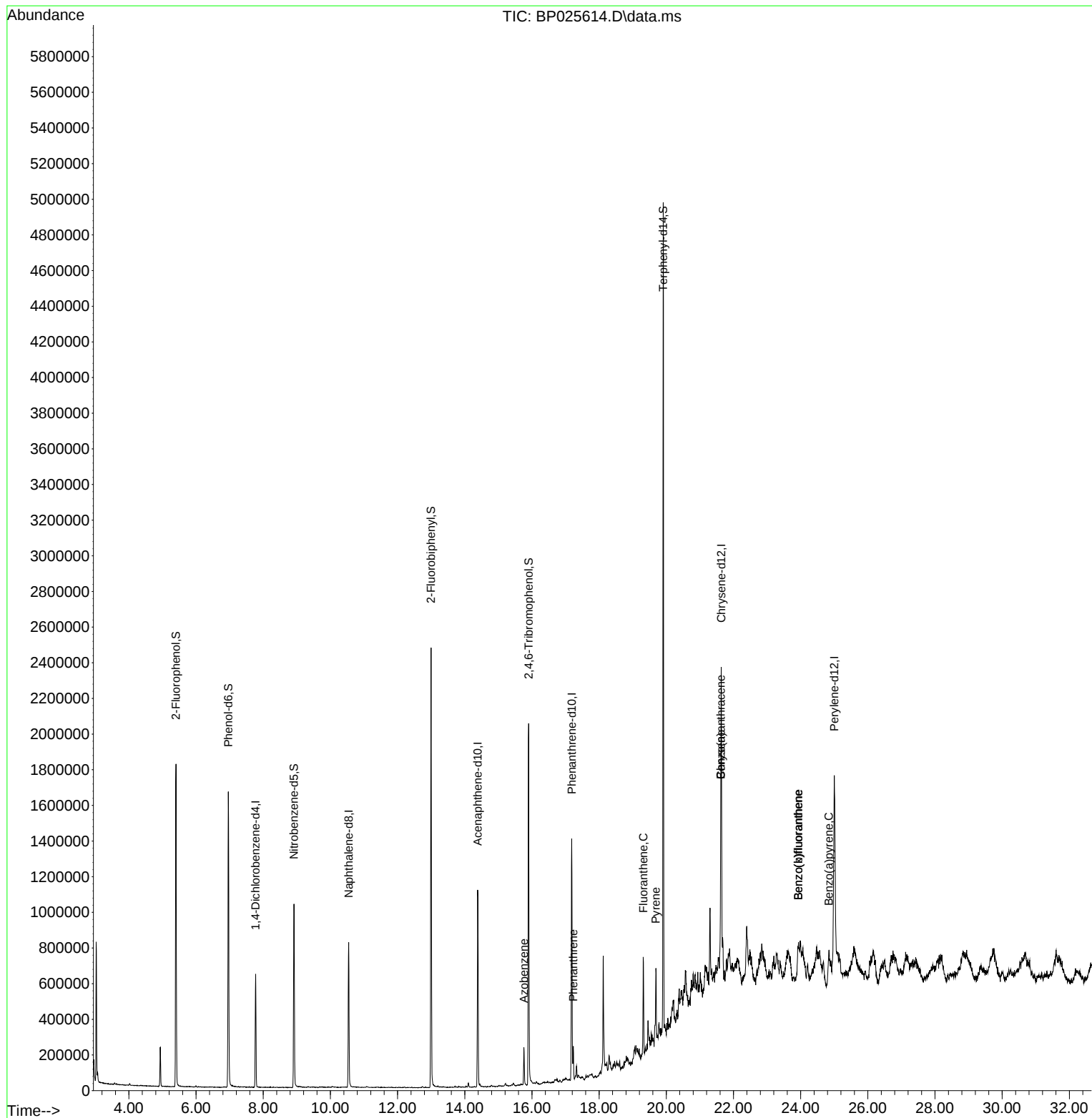
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	176367	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	680270	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	428225	20.000	ng	-0.02
64) Phenanthrene-d10	17.183	188	869719	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	986583	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1134368	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	819519	77.167	ng	0.00
7) Phenol-d6	6.960	99	1010917	74.246	ng	0.00
23) Nitrobenzene-d5	8.913	82	628858	46.762	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	442311	76.738	ng	-0.01
45) 2-Fluorobiphenyl	12.995	172	1261091	40.248	ng	-0.02
79) Terphenyl-d14	19.907	244	2240795	41.554	ng	-0.01
Target Compounds						
					Qvalue	
63) Azobenzene	15.760	77	58049	2.128	ng	# 1
71) Phenanthrene	17.230	178	120287	2.518	ng	99
75) Fluoranthene	19.313	202	320617	5.626	ng	99
78) Pyrene	19.689	202	293357	4.575	ng	99
81) Benzo(a)anthracene	21.618	228	201204	3.092	ng	95
83) Chrysene	21.618	228	201204	3.302	ng	98
88) Benzo(b)fluoranthene	23.930	252	206727	3.091	ng	# 94
89) Benzo(k)fluoranthene	23.930	252	206727	3.088	ng	# 92
90) Benzo(a)pyrene	24.836	252	157094	2.413	ng	# 93

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

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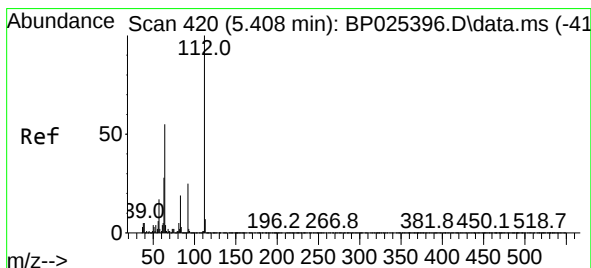
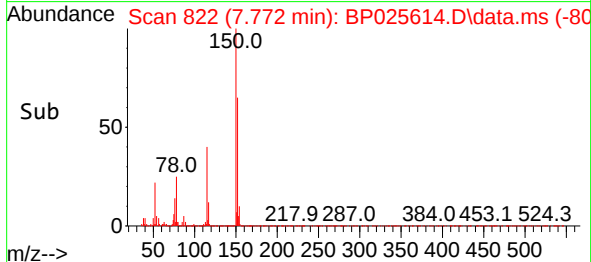
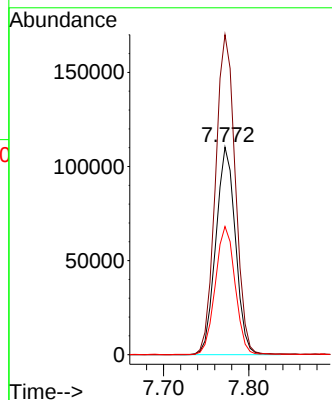
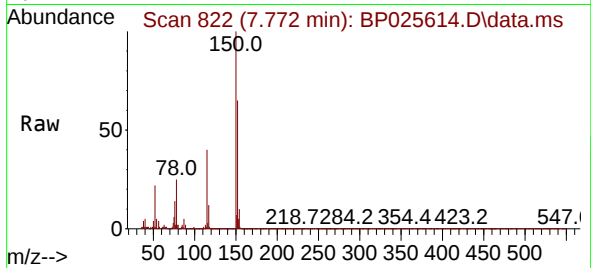




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.772 min Scan# 81
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

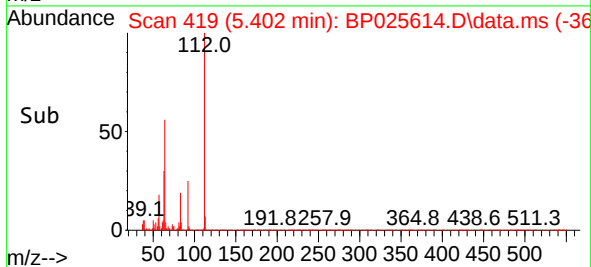
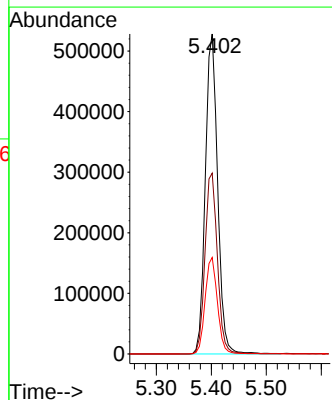
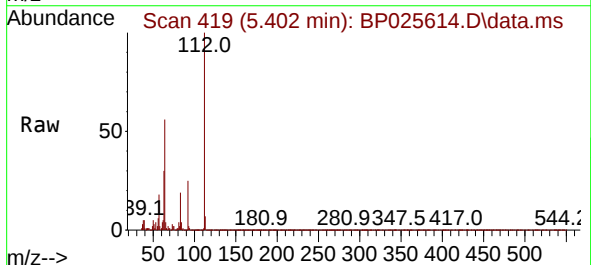
Instrument :
BNA_P
ClientSampleId :
TP5

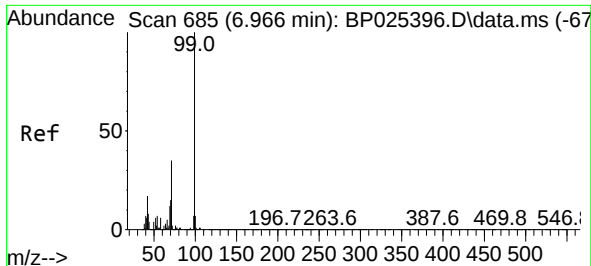
Tgt Ion:152 Resp: 176367
Ion Ratio Lower Upper
152 100
150 154.2 125.9 188.9
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 77.167 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:112 Resp: 819519
Ion Ratio Lower Upper
112 100
64 56.5 43.8 65.8
63 30.2 22.7 34.1

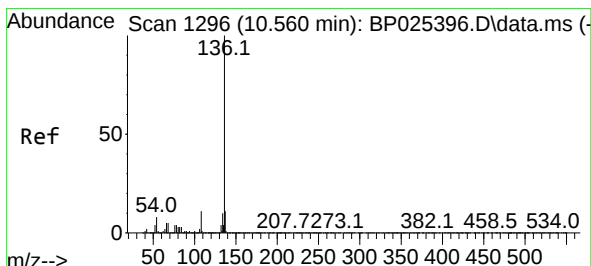
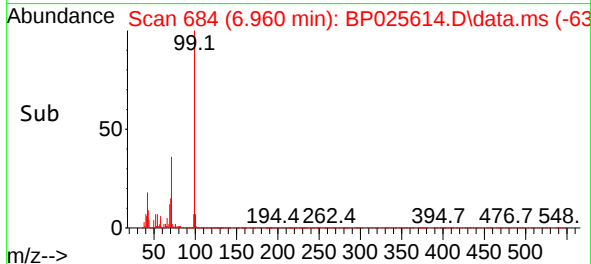
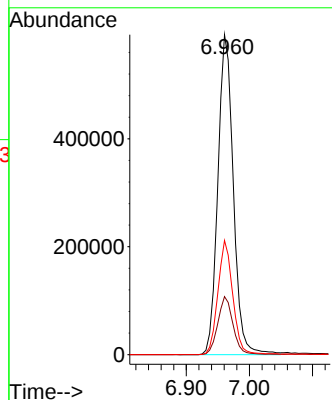
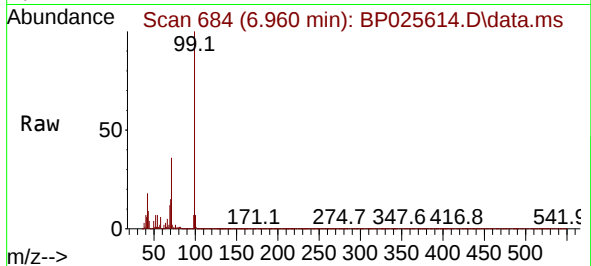




#7
Phenol-d6
Concen: 74.246 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

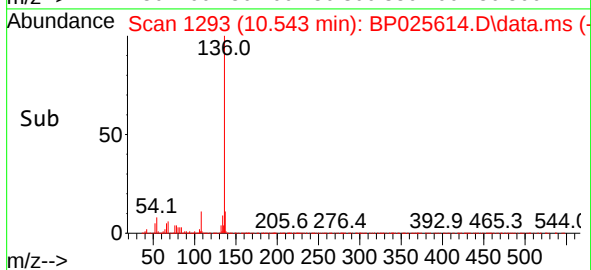
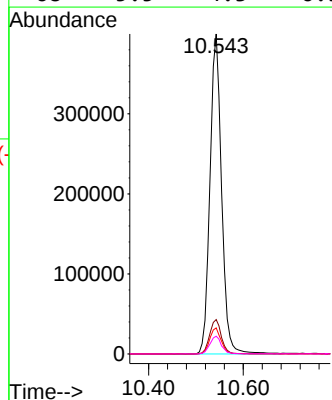
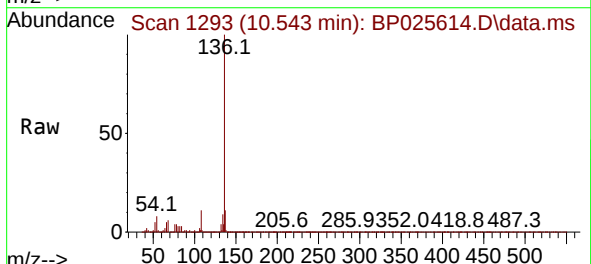
Instrument :
BNA_P
ClientSampleId :
TP5

Tgt Ion: 99 Resp: 1010917
Ion Ratio Lower Upper
99 100
42 18.1 13.7 20.5
71 35.7 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:136 Resp: 680270
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.2 6.0 9.0
68 5.5 4.3 6.5

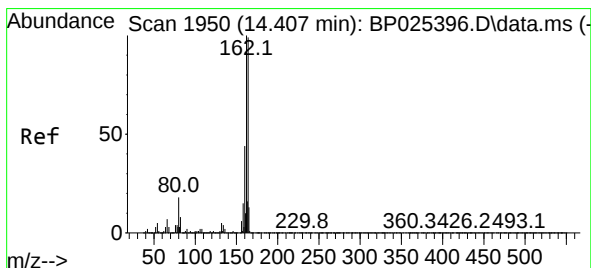
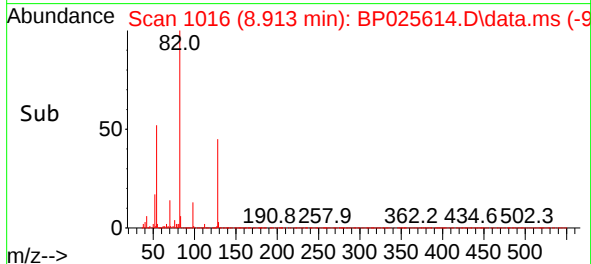
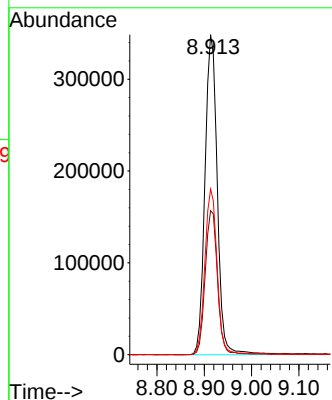
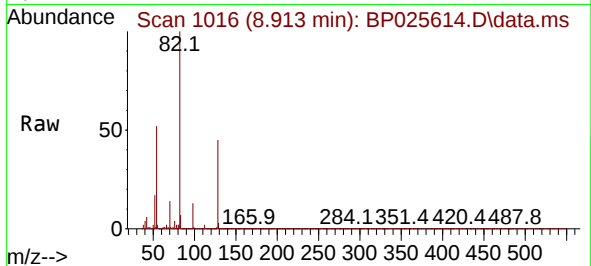




#23
Nitrobenzene-d5
Concen: 46.762 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

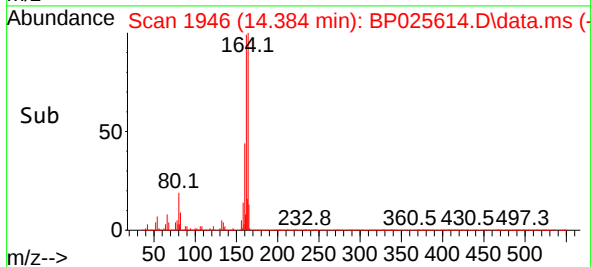
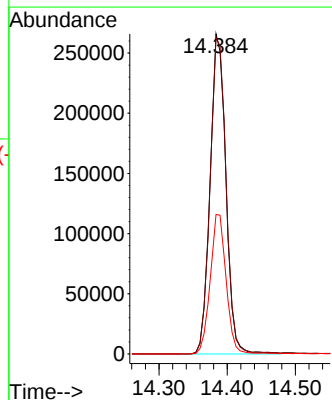
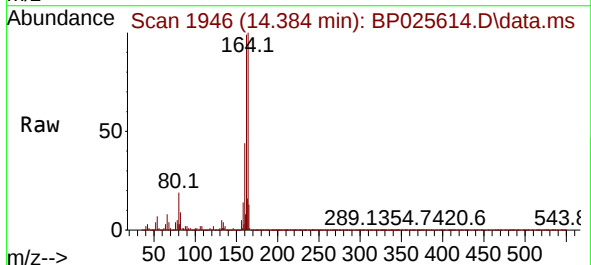
Instrument :
BNA_P
ClientSampleId :
TP5

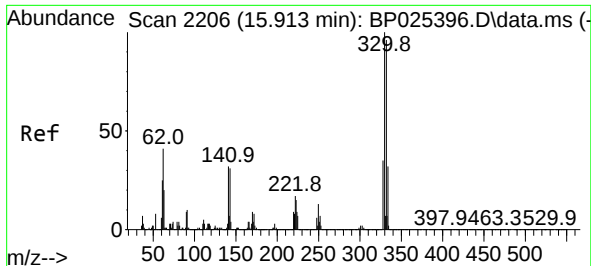
Tgt Ion: 82 Resp: 628858
Ion Ratio Lower Upper
82 100
128 45.0 37.7 56.5
54 51.8 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:164 Resp: 428225
Ion Ratio Lower Upper
164 100
162 98.8 81.0 121.6
160 43.6 35.4 53.2

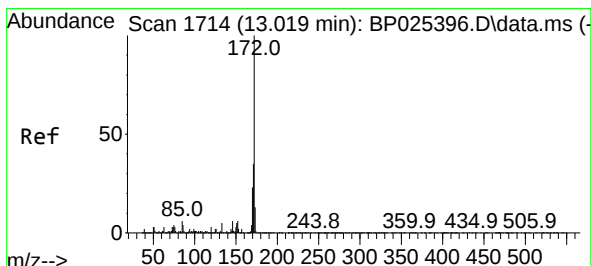
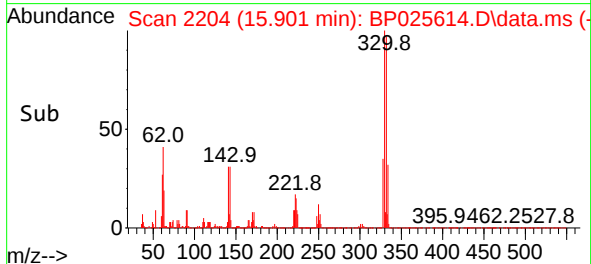
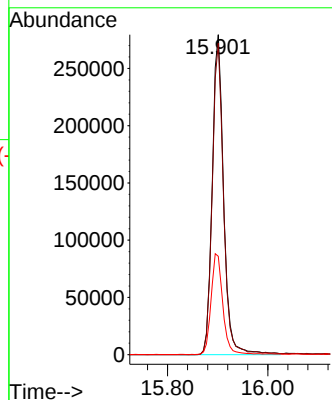
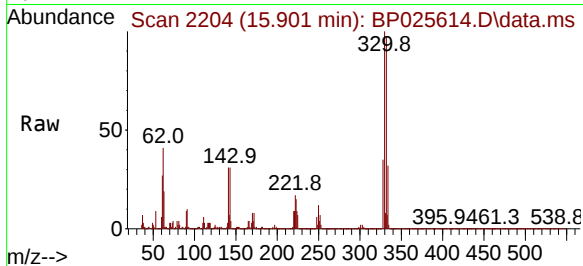




#42
2,4,6-Tribromophenol
Concen: 76.738 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

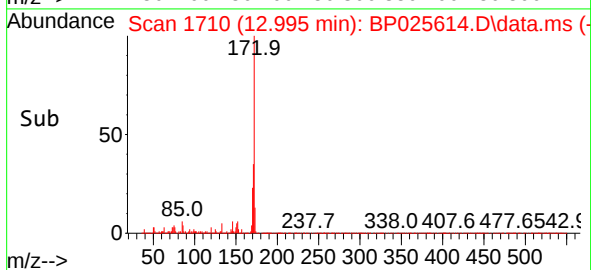
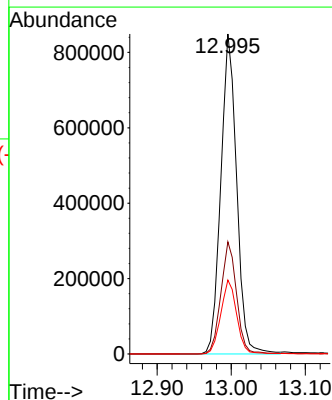
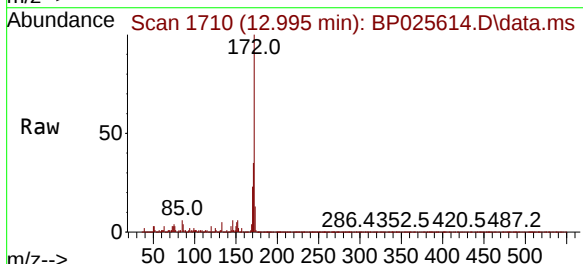
Instrument :
BNA_P
ClientSampleId :
TP5

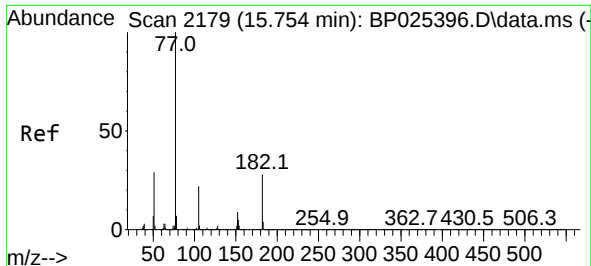
Tgt Ion:330 Resp: 442311
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 32.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 40.248 ng
RT: 12.995 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:172 Resp: 1261091
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.1 18.6 28.0

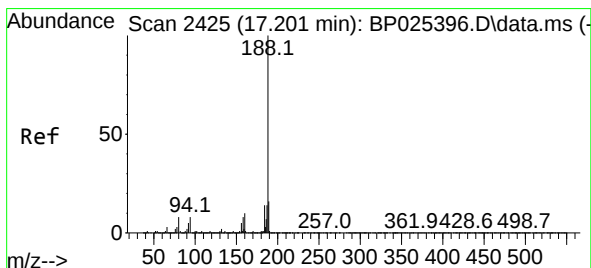
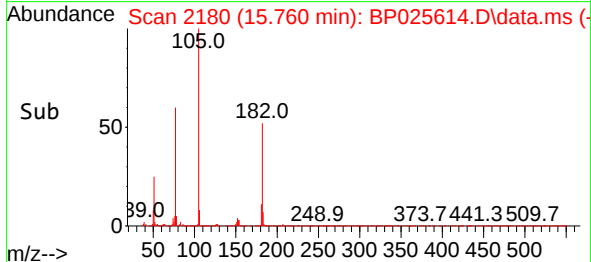
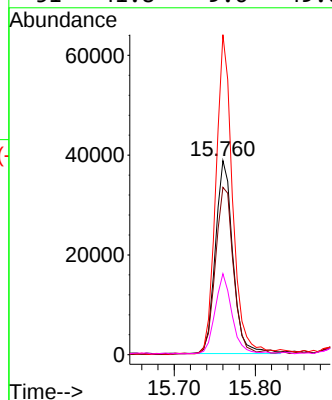
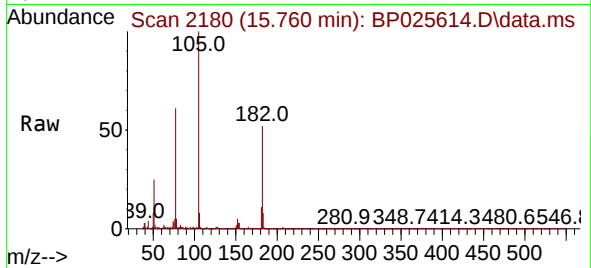




#63
Azobenzene
Concen: 2.128 ng
RT: 15.760 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

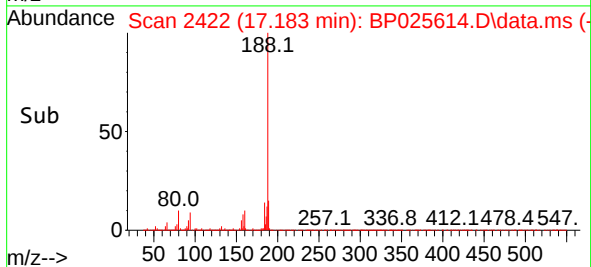
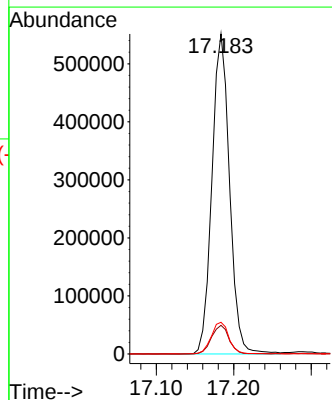
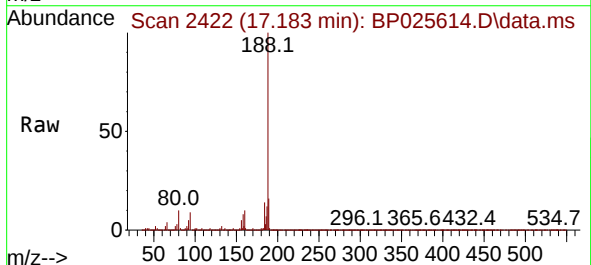
Instrument :
BNA_P
ClientSampleId :
TP5

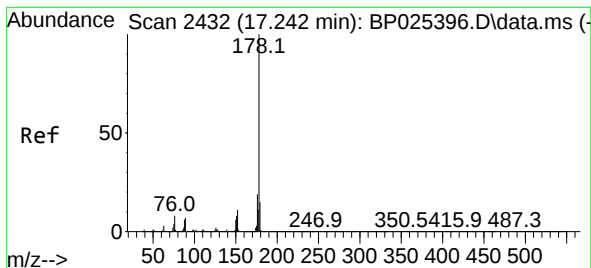
Tgt Ion: 77 Resp: 58049
Ion Ratio Lower Upper
77 100
182 86.3 7.5 47.5#
105 164.9 2.1 42.1#
51 41.8 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:188 Resp: 869719
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.9 6.7 10.1





#71

Phenanthrene

Concen: 2.518 ng

RT: 17.230 min Scan# 2432

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5

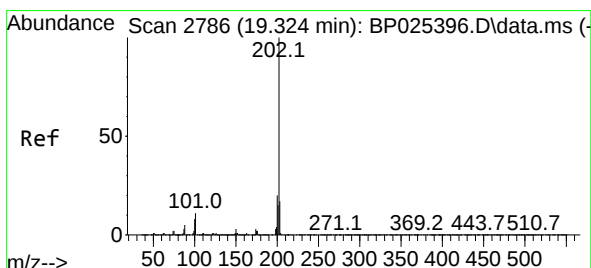
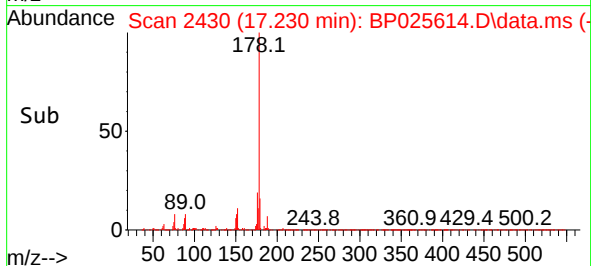
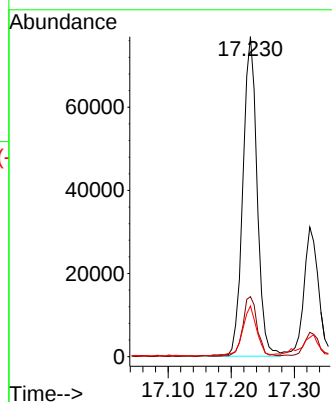
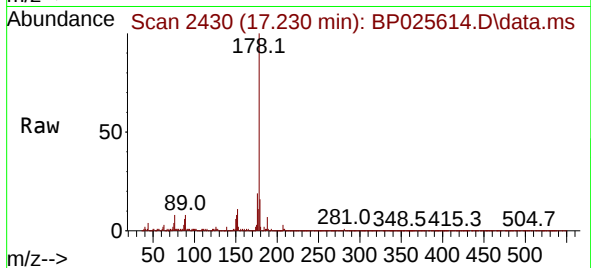
Tgt Ion:178 Resp: 120287

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.9 12.2 18.4



#75

Fluoranthene

Concen: 5.626 ng

RT: 19.313 min Scan# 2784

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

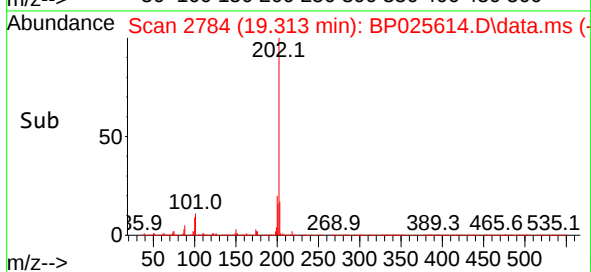
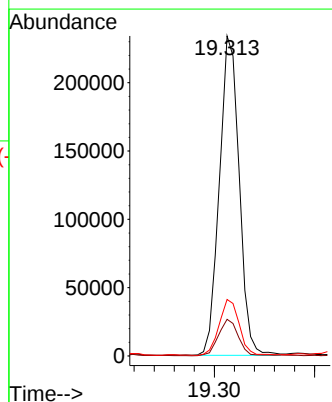
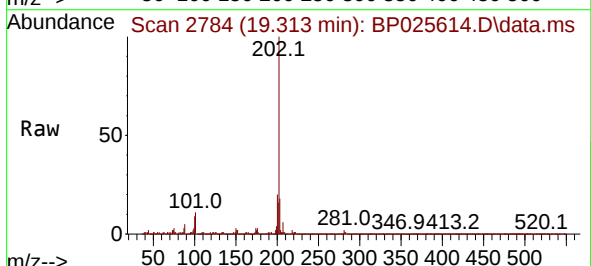
Tgt Ion:202 Resp: 320617

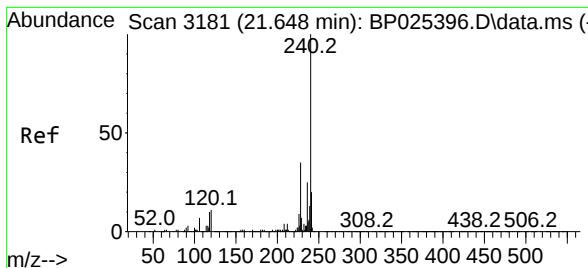
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.1

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

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TP5

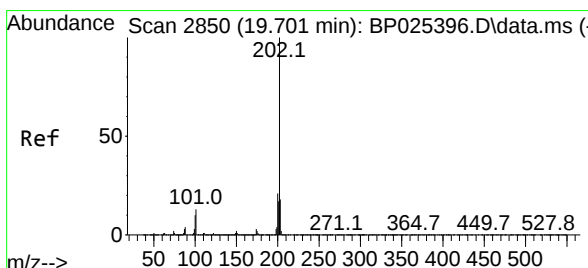
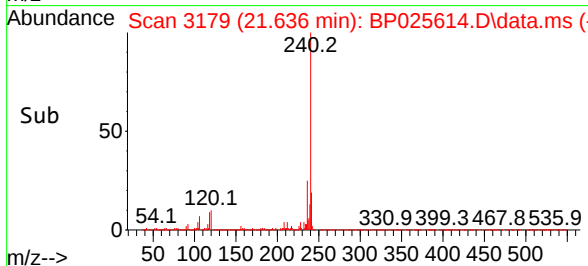
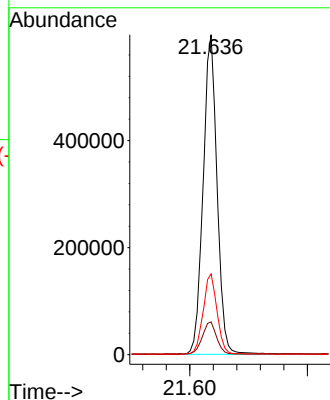
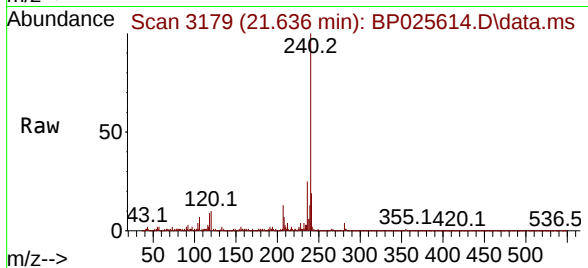
Tgt Ion:240 Resp: 986583

Ion Ratio Lower Upper

240 100

120 10.2 8.9 13.3

236 25.2 19.8 29.8



#78

Pyrene

Concen: 4.575 ng

RT: 19.689 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

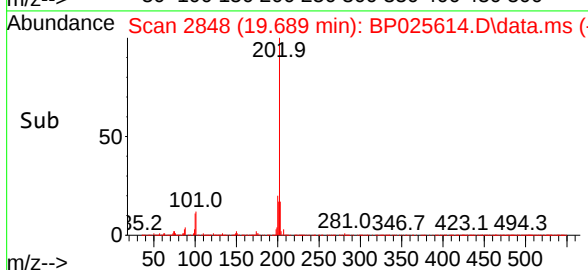
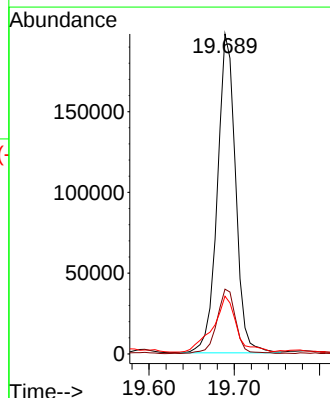
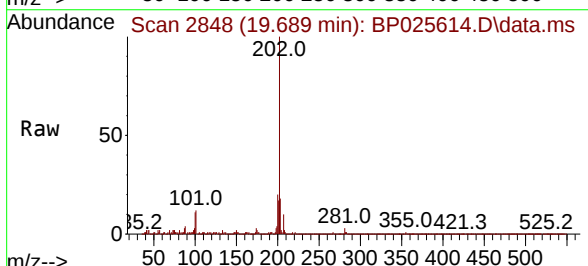
Tgt Ion:202 Resp: 293357

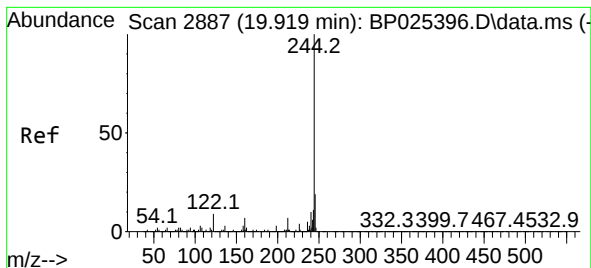
Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 41.554 ng

RT: 19.907 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5

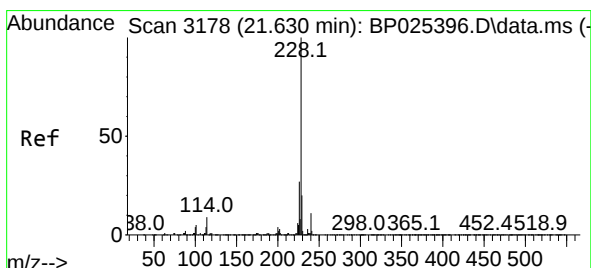
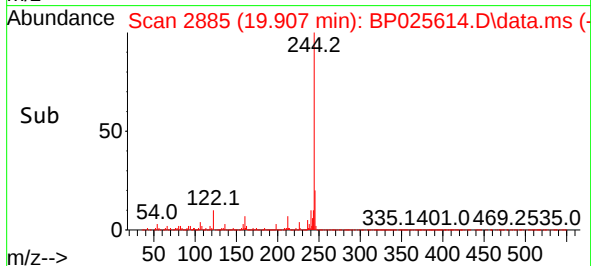
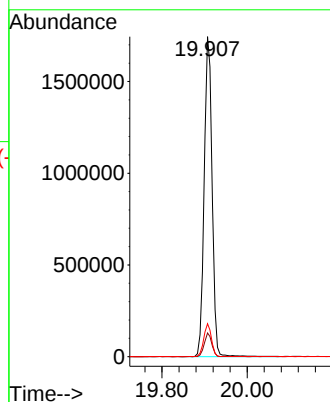
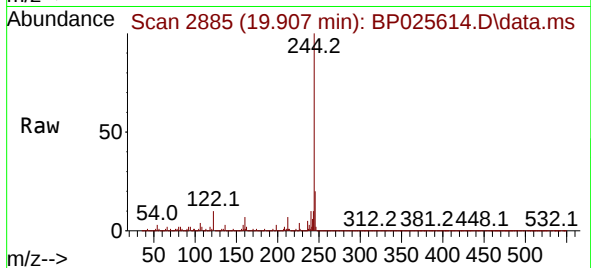
Tgt Ion:244 Resp: 2240795

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: 3.092 ng

RT: 21.618 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

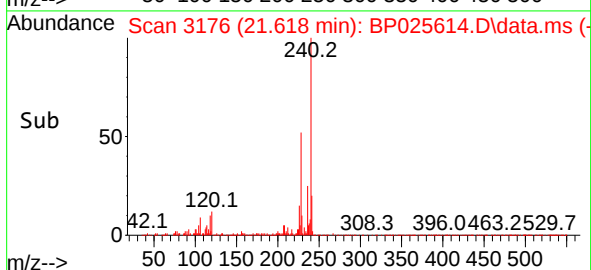
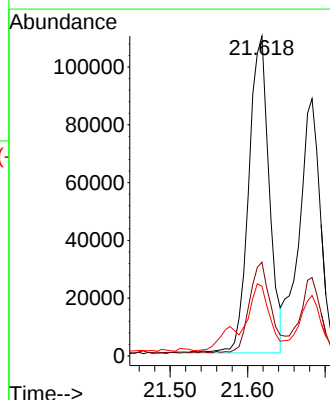
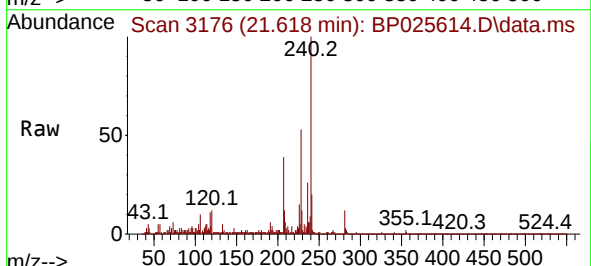
Tgt Ion:228 Resp: 201204

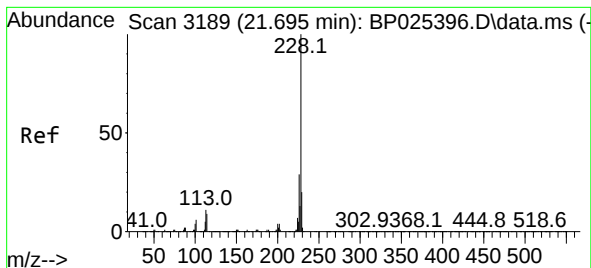
Ion Ratio Lower Upper

228 100

226 29.3 21.7 32.5

229 21.8 15.6 23.4





#83

Chrysene

Concen: 3.302 ng

RT: 21.618 min Scan# 31

Delta R.T. -0.076 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5

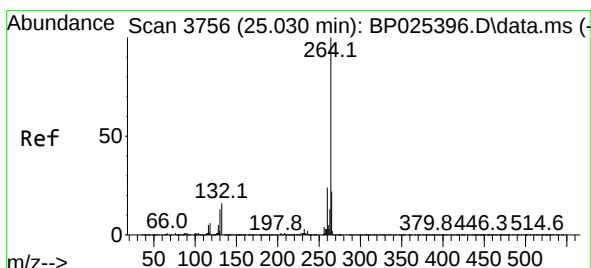
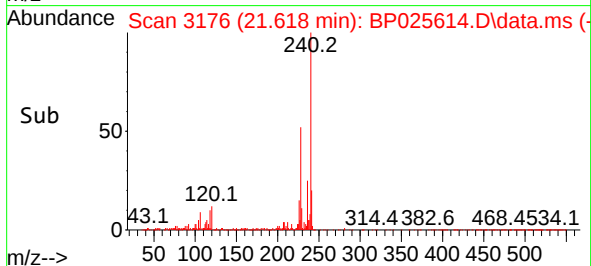
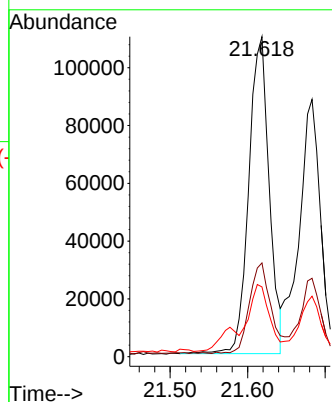
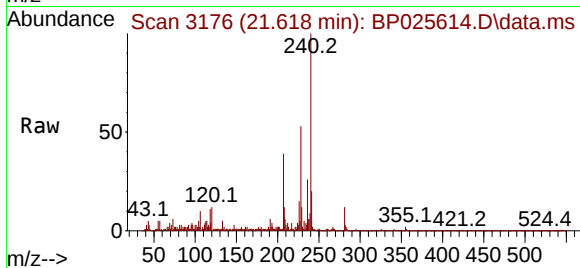
Tgt Ion:228 Resp: 201204

Ion Ratio Lower Upper

228 100

226 29.3 23.2 34.8

229 21.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 3751

Delta R.T. -0.029 min

Lab File: BP025614.D

Acq: 28 Aug 2025 16:39

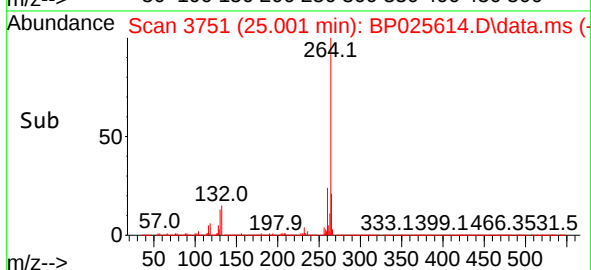
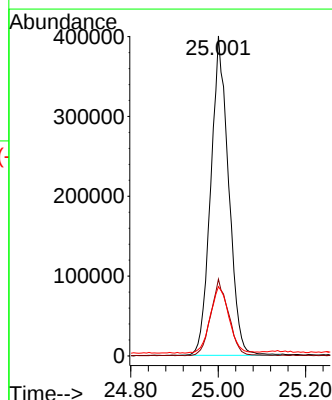
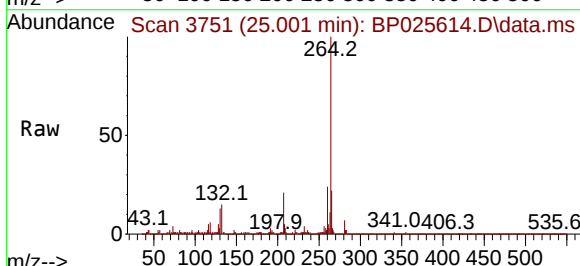
Tgt Ion:264 Resp: 1134368

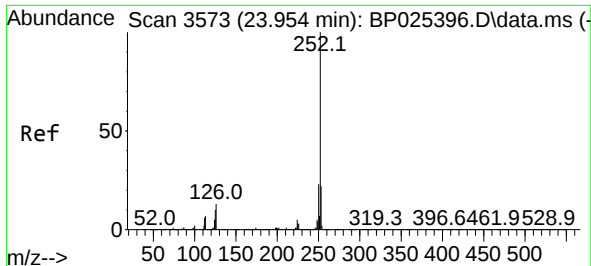
Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.7 17.4 26.0

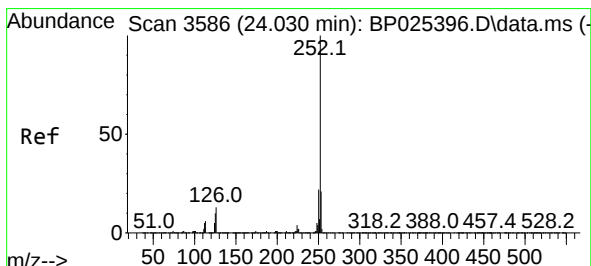
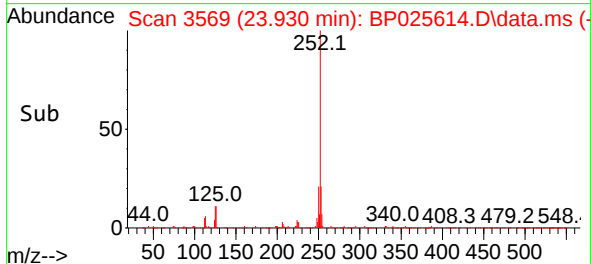
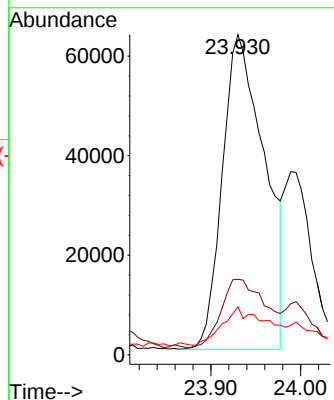
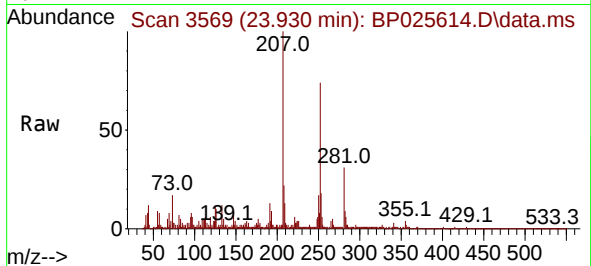




#88
Benzo(b)fluoranthene
Concen: 3.091 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.024 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

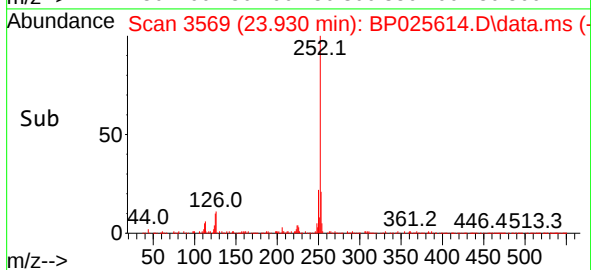
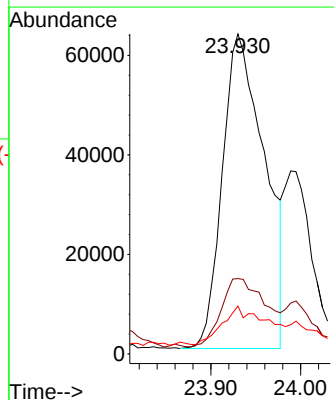
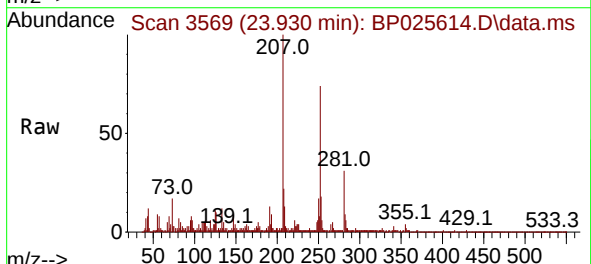
Instrument :
BNA_P
ClientSampleId :
TP5

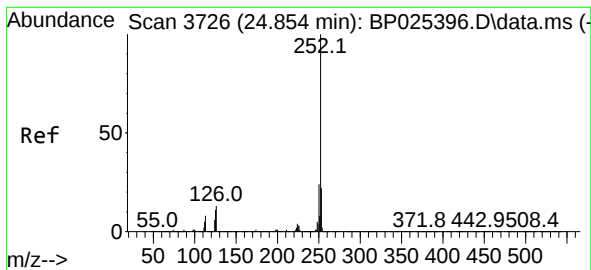
Tgt Ion:252 Resp: 206727
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 14.9 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 3.088 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.100 min
Lab File: BP025614.D
Acq: 28 Aug 2025 16:39

Tgt Ion:252 Resp: 206727
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 14.9 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.413 ng

RT: 24.836 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025614.D

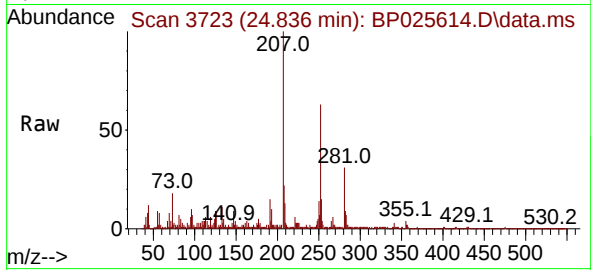
Acq: 28 Aug 2025 16:39

Instrument :

BNA_P

ClientSampleId :

TP5



Tgt Ion:252 Resp: 157094

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 14.5 8.7 13.1#

