

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082925\
 Data File : BP025634.D
 Acq On : 29 Aug 2025 20:52
 Operator : CG/JU
 Sample : Q2979-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-B

Quant Time: Aug 29 22:40:02 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)

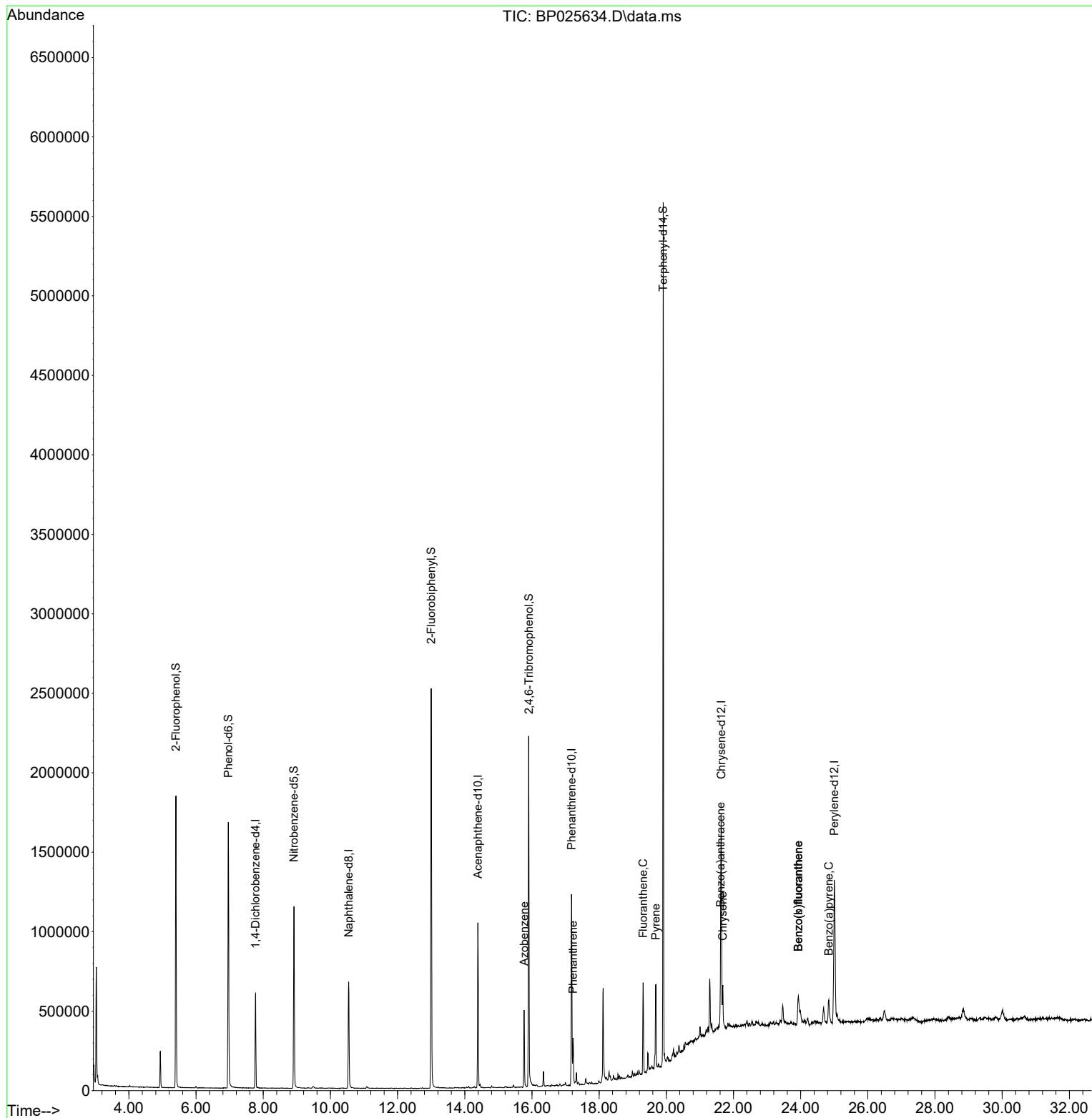
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	154904	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	600672	20.000	ng	-0.02
39) Acenaphthene-d10	14.390	164	372720	20.000	ng	-0.02
64) Phenanthrene-d10	17.178	188	749924	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	825556	20.000	ng	-0.01
86) Perylene-d12	25.001	264	975461	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	827192	88.682	ng	0.00
7) Phenol-d6	6.961	99	1025207	85.728	ng	0.00
23) Nitrobenzene-d5	8.913	82	660014	55.583	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	460220	91.735	ng	0.00
45) 2-Fluorobiphenyl	13.002	172	1488037	54.563	ng	-0.02
79) Terphenyl-d14	19.907	244	2299419	50.959	ng	-0.01
Target Compounds						
					Qvalue	
63) Azobenzene	15.766	77	141051	5.940	ng	# 1
71) Phenanthrene	17.225	178	199774	4.849	ng	99
75) Fluoranthene	19.307	202	366195	7.452	ng	99
78) Pyrene	19.689	202	352944	6.578	ng	99
81) Benzo(a)anthracene	21.613	228	181182	3.328	ng	100
83) Chrysene	21.683	228	167726	3.290	ng	96
88) Benzo(b)fluoranthene	23.930	252	209646	3.645	ng	98
89) Benzo(k)fluoranthene	23.930	252	209646	3.642	ng	96
90) Benzo(a)pyrene	24.836	252	165943	2.964	ng	97

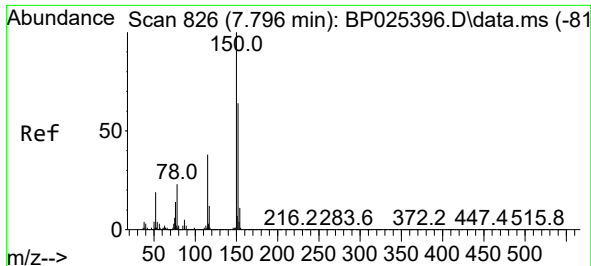
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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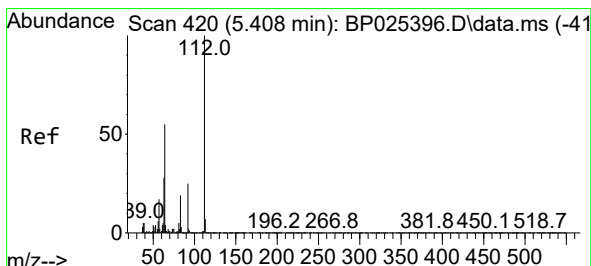
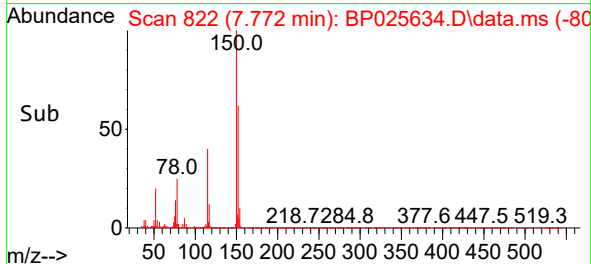
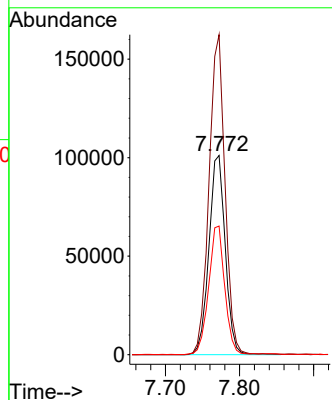
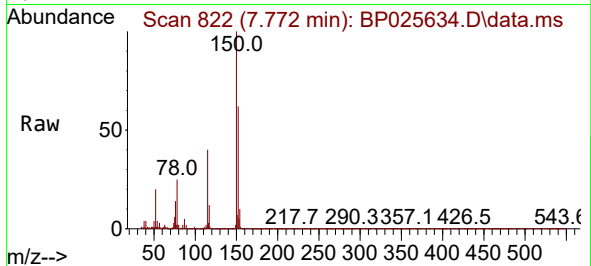




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.772 min Scan# 81
Delta R.T. -0.024 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

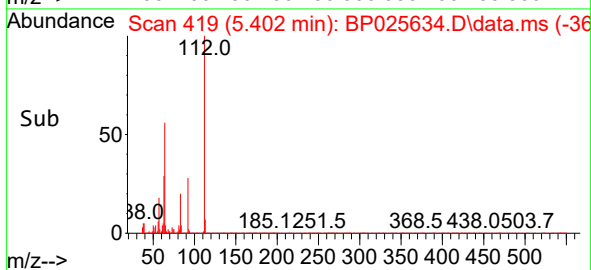
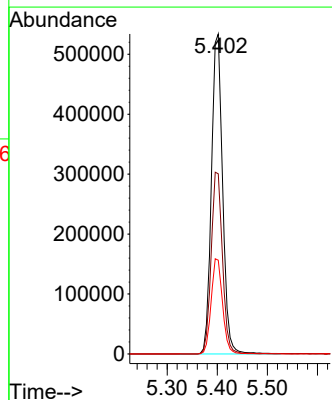
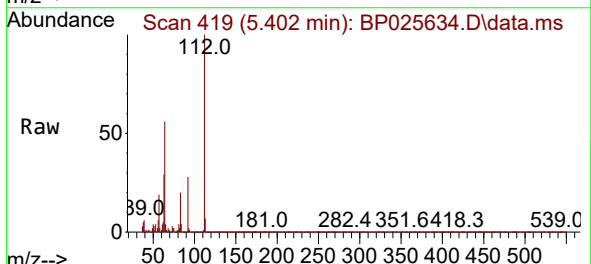
Instrument :
BNA_P
ClientSampleId :
SP-B

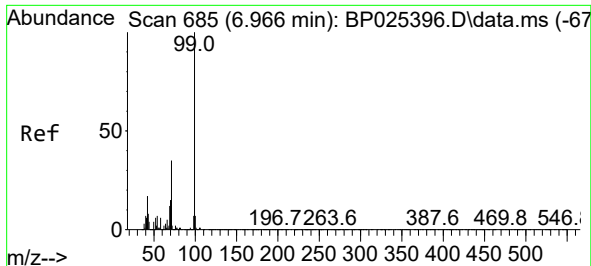
Tgt Ion:152 Resp: 154904
Ion Ratio Lower Upper
152 100
150 160.7 125.9 188.9
115 64.6 48.5 72.7



#5
2-Fluorophenol
Concen: 88.682 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

Tgt Ion:112 Resp: 827192
Ion Ratio Lower Upper
112 100
64 56.3 43.8 65.8
63 29.3 22.7 34.1

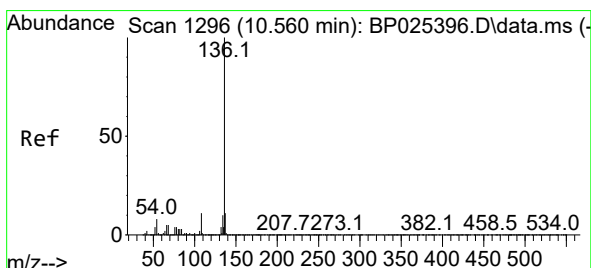
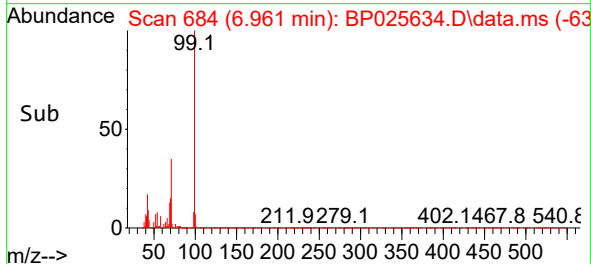
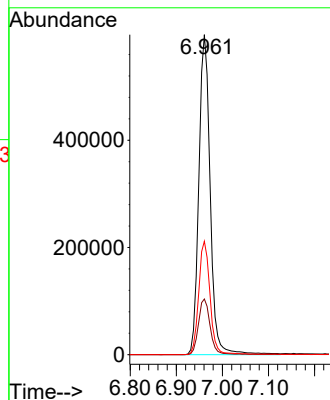
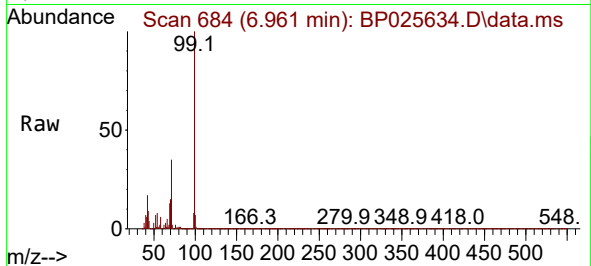




#7
Phenol-d6
Concen: 85.728 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

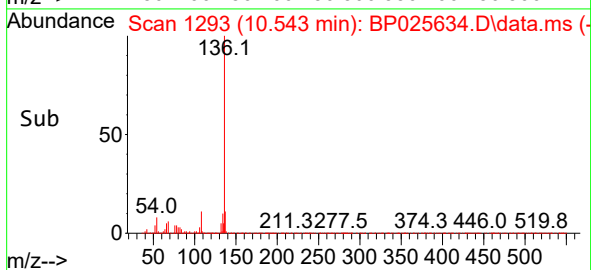
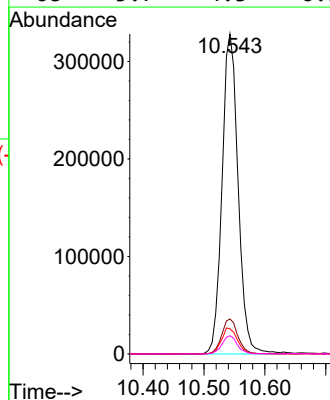
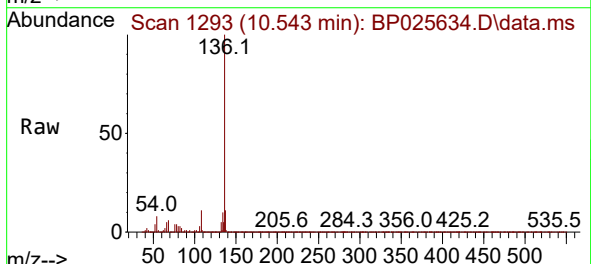
Instrument :
BNA_P
ClientSampleId :
SP-B

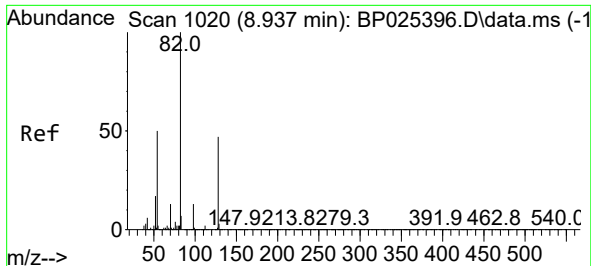
Tgt Ion: 99 Resp: 1025207
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 35.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.017 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

Tgt Ion: 136 Resp: 600672
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.9 6.0 9.0
68 5.7 4.3 6.5

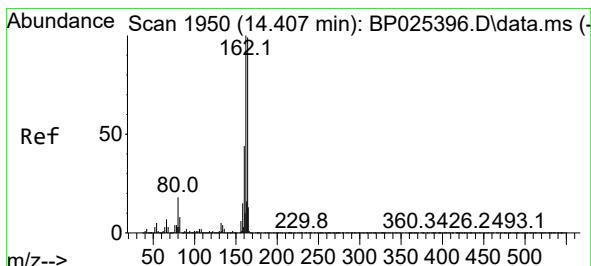
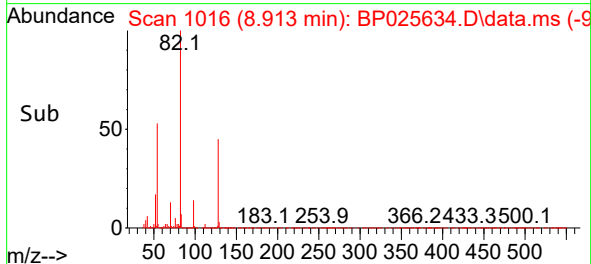
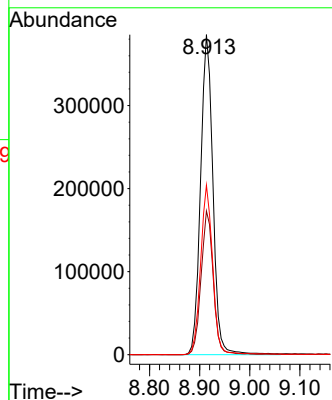
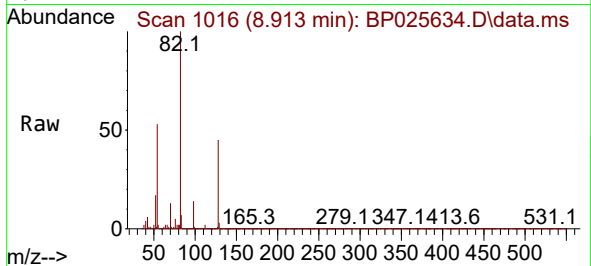




#23
Nitrobenzene-d5
Concen: 55.583 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.023 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

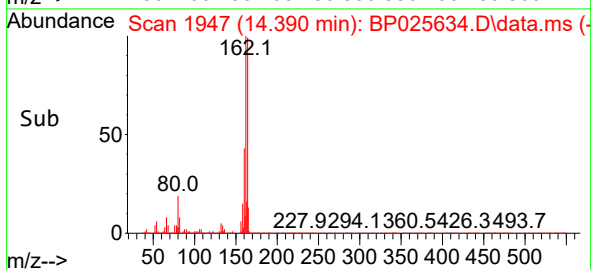
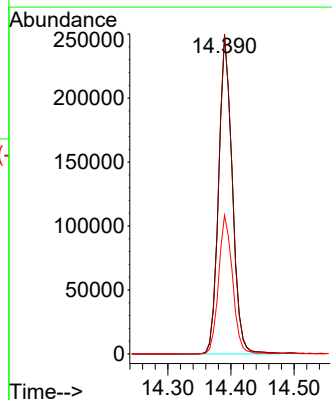
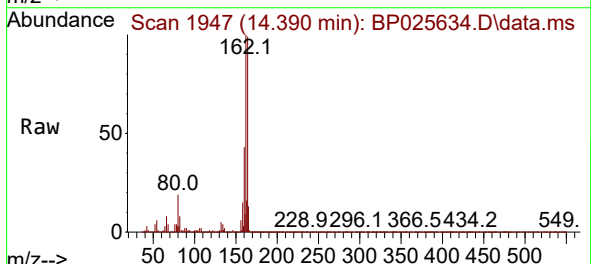
Instrument :
BNA_P
ClientSampleId :
SP-B

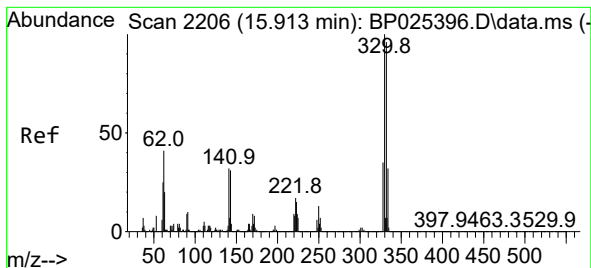
Tgt Ion: 82 Resp: 660014
Ion Ratio Lower Upper
82 100
128 44.9 37.7 56.5
54 52.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.017 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

Tgt Ion: 164 Resp: 372720
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.6
160 43.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 91.735 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

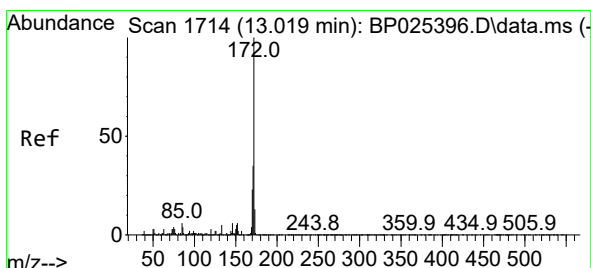
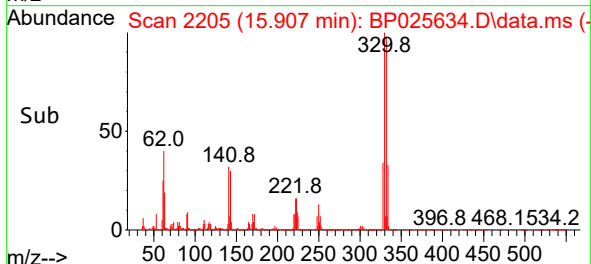
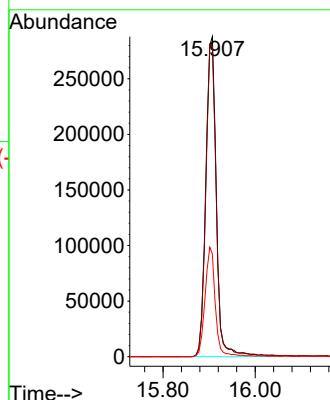
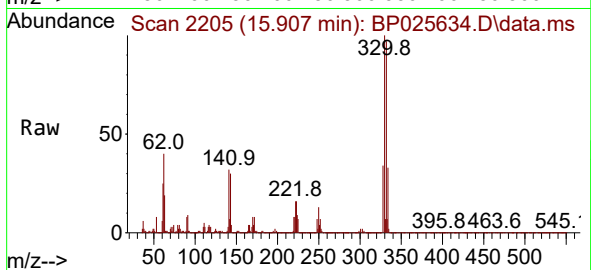
Tgt Ion:330 Resp: 460220

Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

141 33.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 54.563 ng

RT: 13.002 min Scan# 1711

Delta R.T. -0.017 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

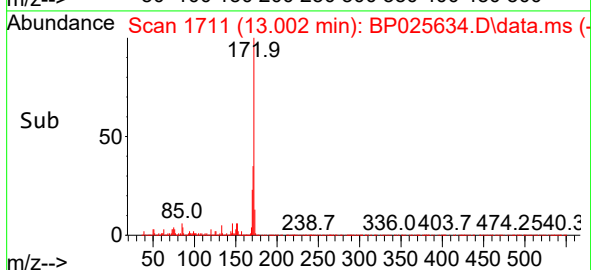
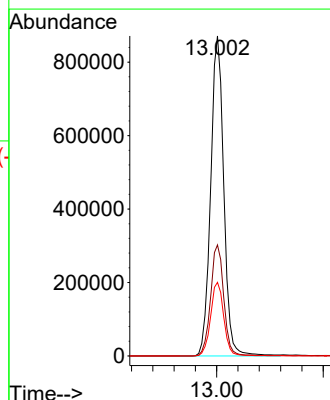
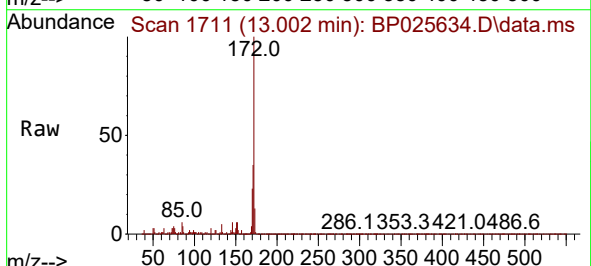
Tgt Ion:172 Resp: 1488037

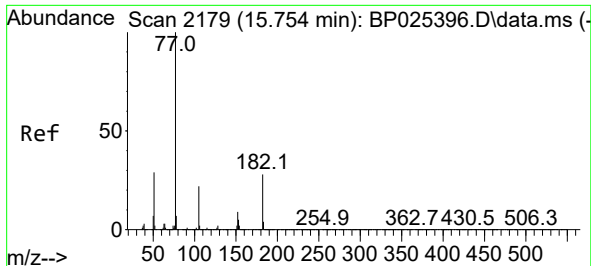
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.0 18.6 28.0

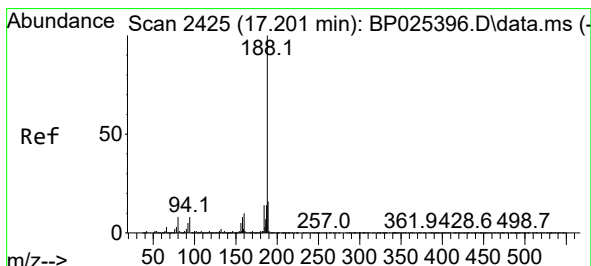
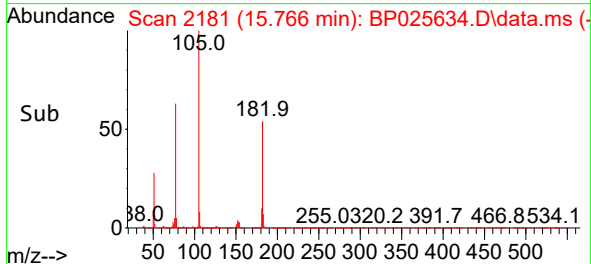
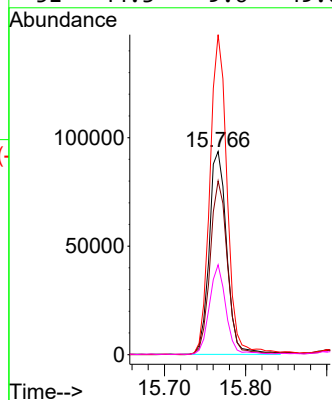
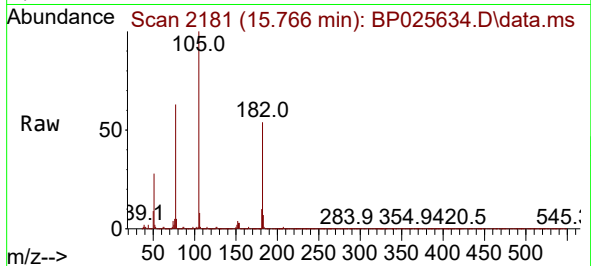




#63
Azobenzene
Concen: 5.940 ng
RT: 15.766 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

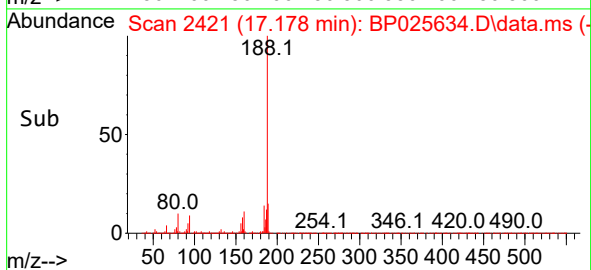
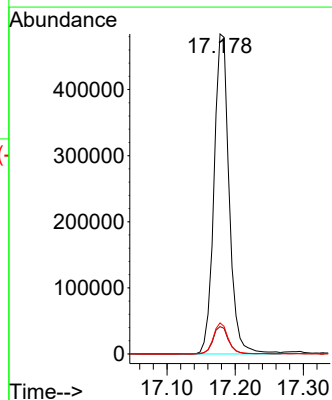
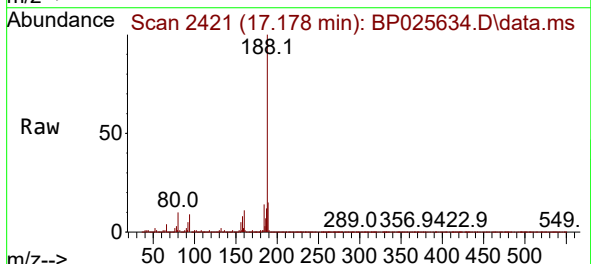
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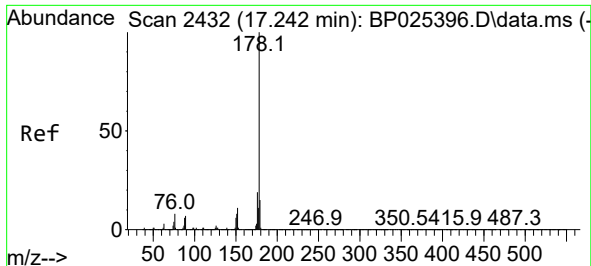
Tgt Ion: 77 Resp: 141051
Ion Ratio Lower Upper
77 100
182 85.6 7.5 47.5#
105 157.5 2.1 42.1#
51 44.3 9.6 49.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.023 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

Tgt Ion: 188 Resp: 749924
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.7 6.7 10.1

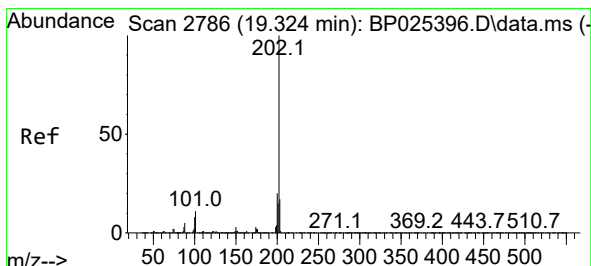
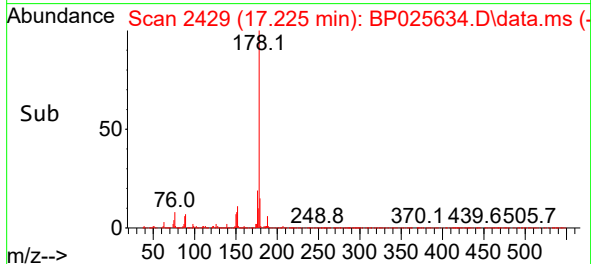
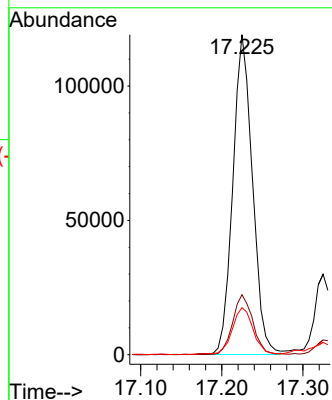
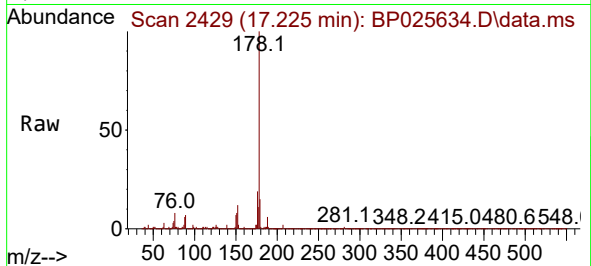




#71
Phenanthrene
Concen: 4.849 ng
RT: 17.225 min Scan# 2432
Delta R.T. -0.017 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

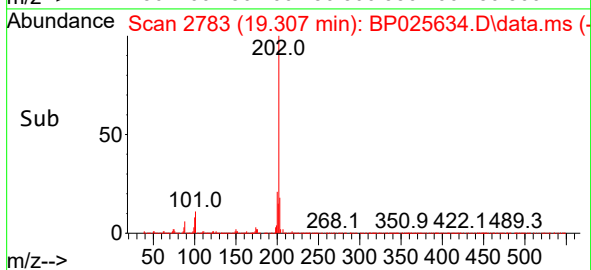
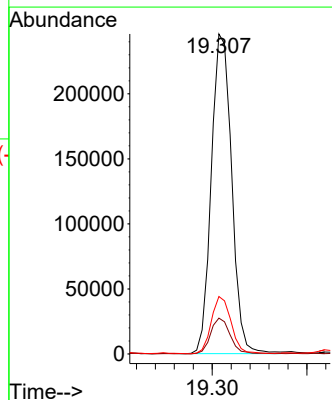
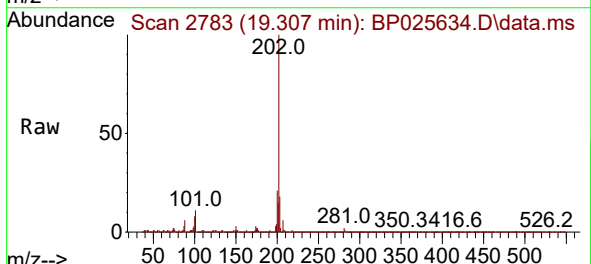
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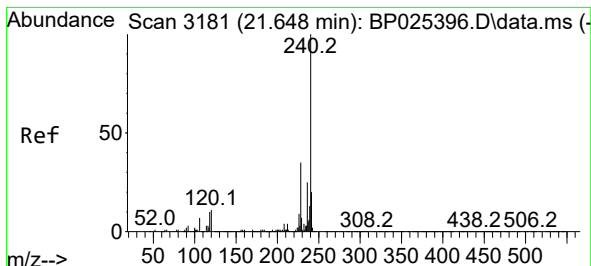
Tgt Ion:178 Resp: 199774
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.7 12.2 18.4



#75
Fluoranthene
Concen: 7.452 ng
RT: 19.307 min Scan# 2783
Delta R.T. -0.017 min
Lab File: BP025634.D
Acq: 29 Aug 2025 20:52

Tgt Ion:202 Resp: 366195
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.1
203 18.0 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: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

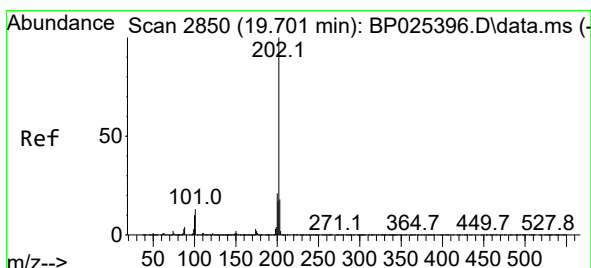
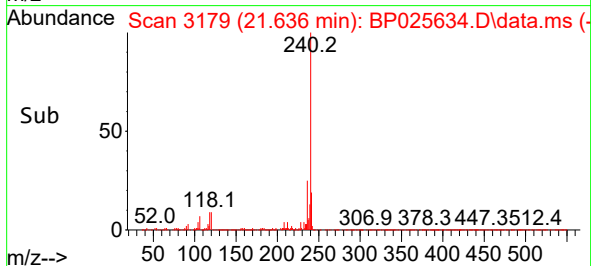
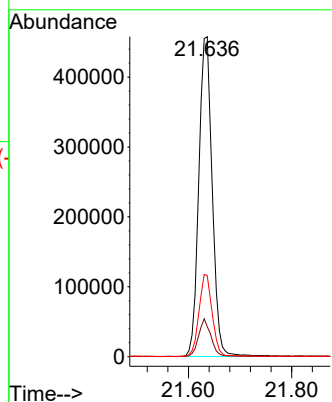
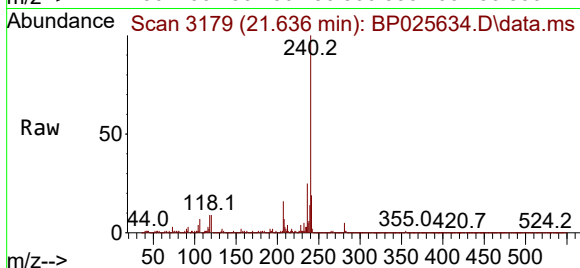
Tgt Ion:240 Resp: 825556

Ion Ratio Lower Upper

240 100

120 9.4 8.9 13.3

236 25.4 19.8 29.8



#78

Pyrene

Concen: 6.578 ng

RT: 19.689 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

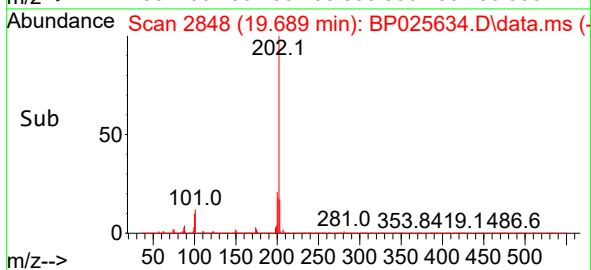
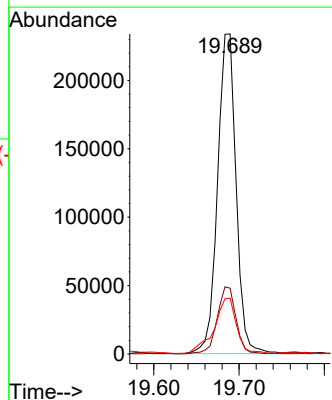
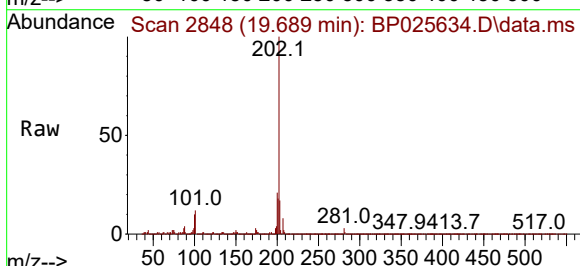
Tgt Ion:202 Resp: 352944

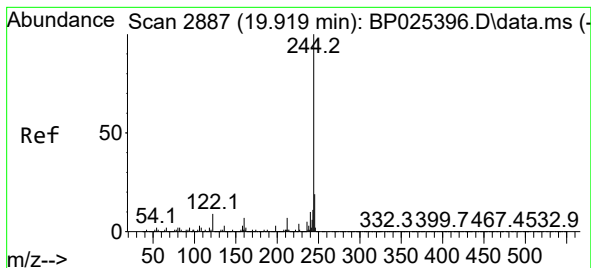
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 50.959 ng

RT: 19.907 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

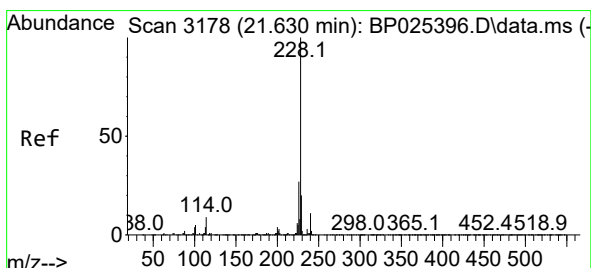
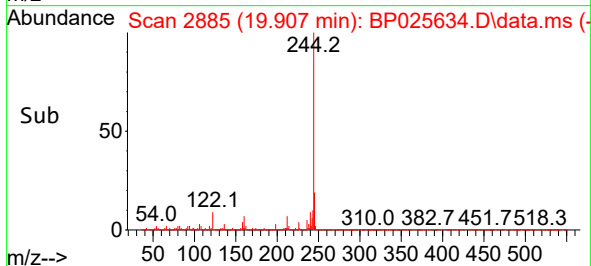
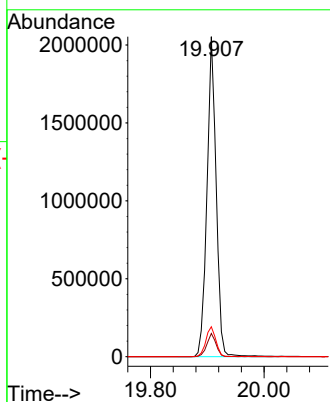
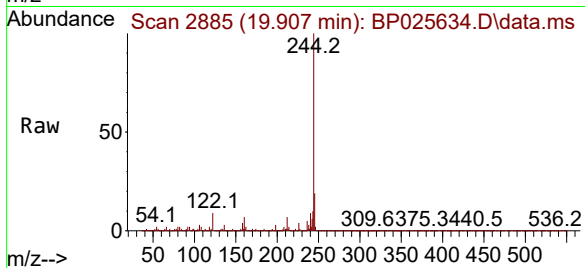
Tgt Ion:244 Resp: 2299419

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.4 7.4 11.2



#81

Benzo(a)anthracene

Concen: 3.328 ng

RT: 21.613 min Scan# 3175

Delta R.T. -0.017 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

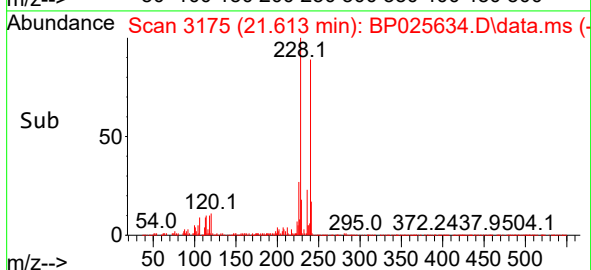
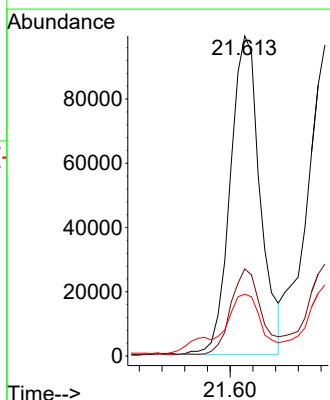
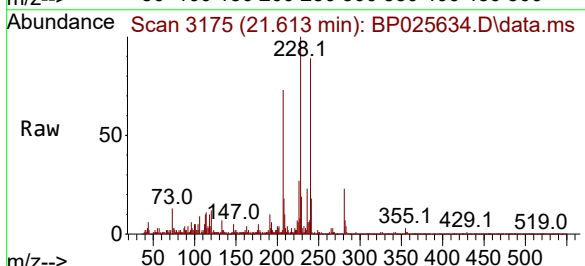
Tgt Ion:228 Resp: 181182

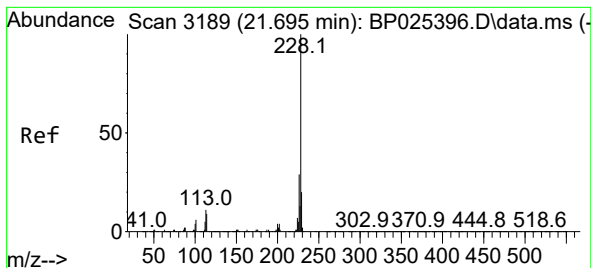
Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 19.3 15.6 23.4





#83

Chrysene

Concen: 3.290 ng

RT: 21.683 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

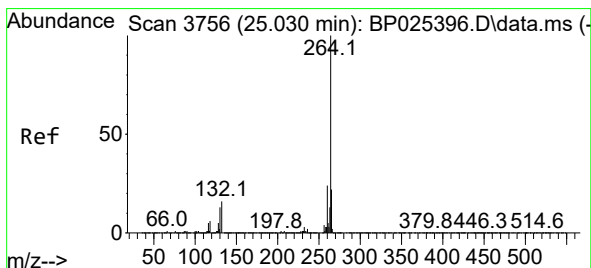
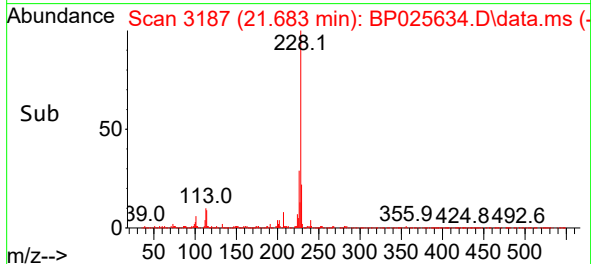
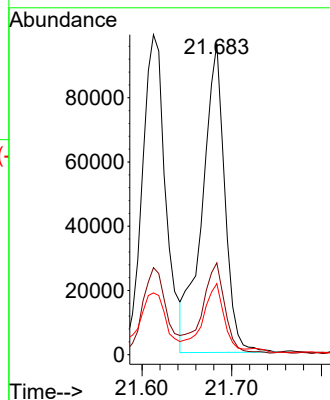
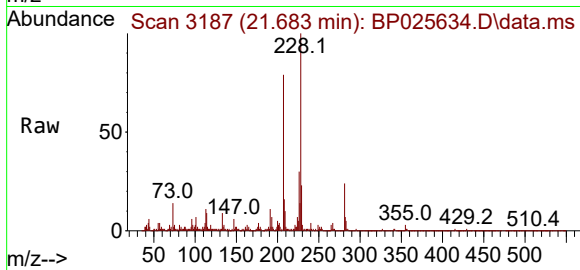
Tgt Ion:228 Resp: 167726

Ion Ratio Lower Upper

228 100

226 29.5 23.2 34.8

229 22.8 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: BP025634.D

Acq: 29 Aug 2025 20:52

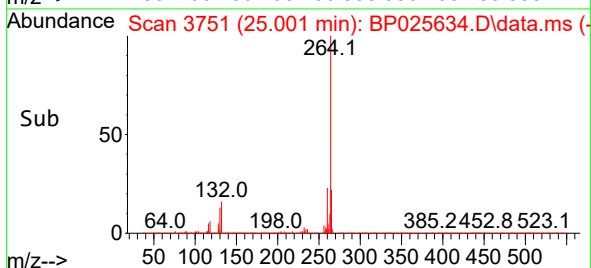
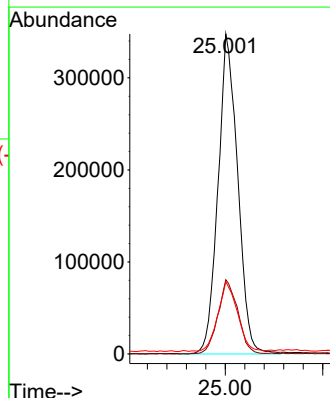
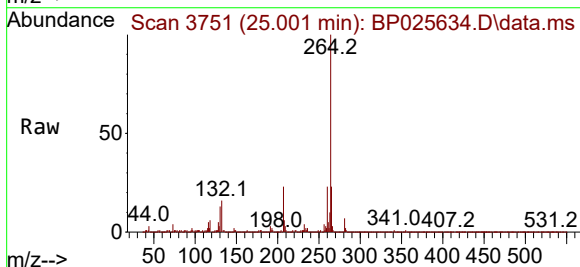
Tgt Ion:264 Resp: 975461

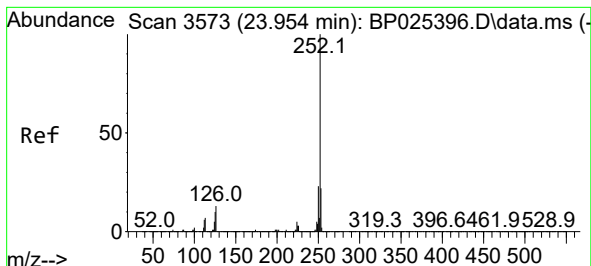
Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 22.6 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.645 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.023 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

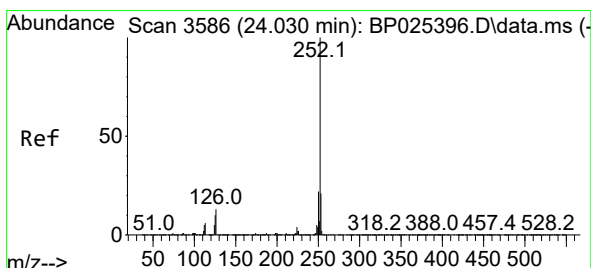
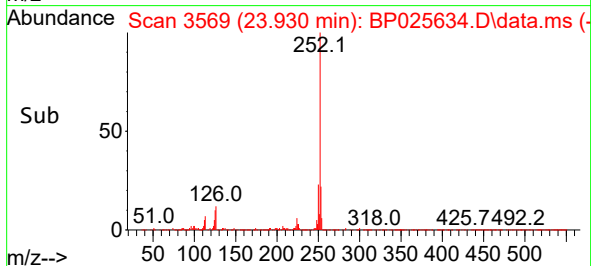
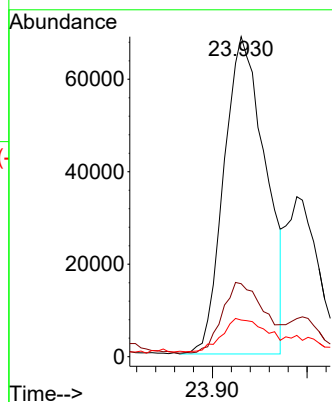
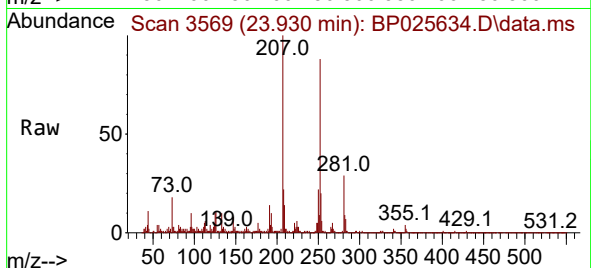
Tgt Ion:252 Resp: 209646

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.4 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 3.642 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.100 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

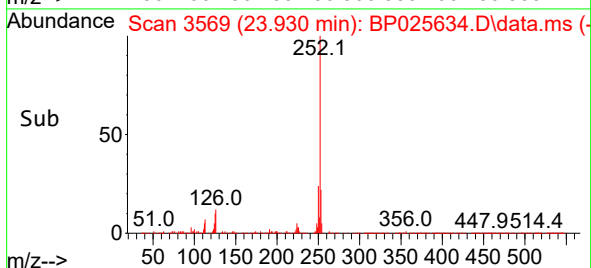
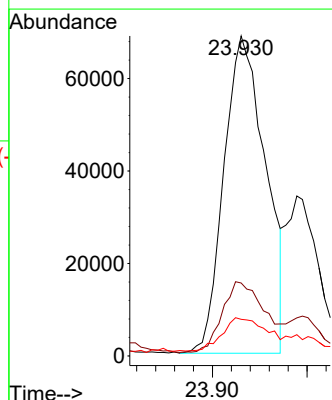
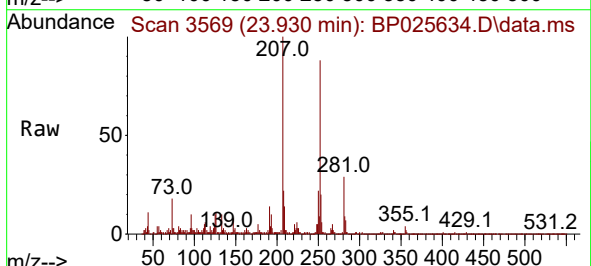
Tgt Ion:252 Resp: 209646

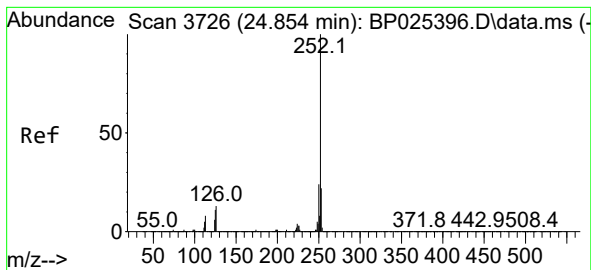
Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.4 7.8 11.6





#90

Benzo(a)pyrene

Concen: 2.964 ng

RT: 24.836 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP025634.D

Acq: 29 Aug 2025 20:52

Instrument :

BNA_P

ClientSampleId :

SP-B

Tgt Ion:252 Resp: 165943

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.7 8.7 13.1

