

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025594.D
 Acq On : 26 Aug 2025 20:44
 Operator : CG/JU
 Sample : Q2928-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 27-BELL

Quant Time: Aug 27 01:04:05 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)

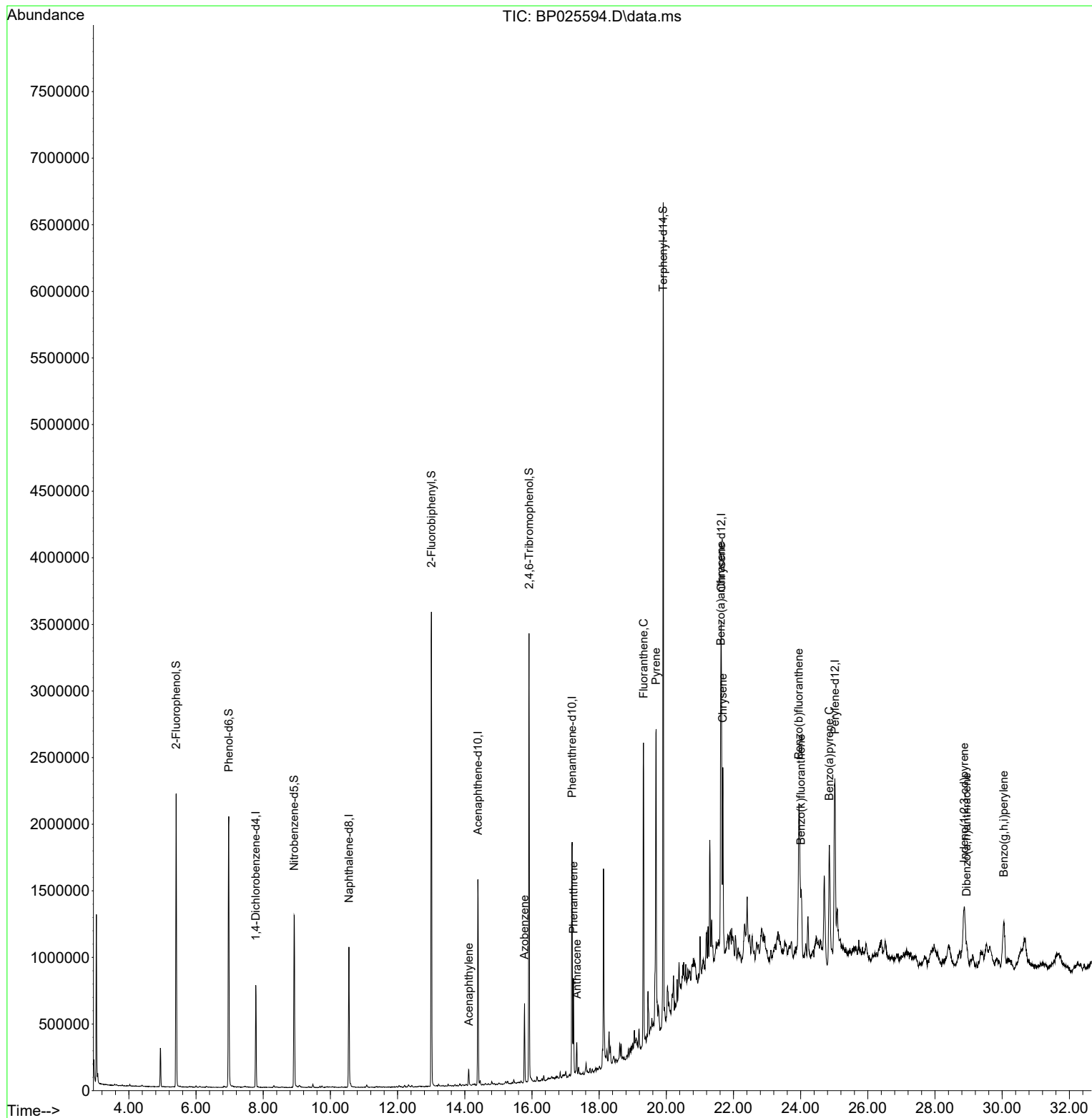
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	209024	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	844005	20.000	ng	-0.01
39) Acenaphthene-d10	14.389	164	543820	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	1107950	20.000	ng	0.00
76) Chrysene-d12	21.636	240	1177876	20.000	ng	-0.01
86) Perylene-d12	25.018	264	1387698	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	979361	77.810	ng	0.00
7) Phenol-d6	6.972	99	1255837	77.824	ng	0.00
23) Nitrobenzene-d5	8.919	82	810516	48.578	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	625675	85.476	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1851674	46.535	ng	-0.01
79) Terphenyl-d14	19.907	244	2887144	44.845	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.119	152	101788	2.001	ng	99
63) Azobenzene	15.778	77	165679	4.782	ng	# 1
71) Phenanthrene	17.236	178	449521	7.386	ng	99
72) Anthracene	17.336	178	167691	2.698	ng	99
75) Fluoranthene	19.319	202	1569842	21.623	ng	99
78) Pyrene	19.695	202	1463678	19.118	ng	99
81) Benzo(a)anthracene	21.619	228	947450	12.197	ng	97
83) Chrysene	21.683	228	928101	12.758	ng	98
87) Indeno(1,2,3-cd)pyrene	28.865	276	743117	7.302	ng	# 90
88) Benzo(b)fluoranthene	23.948	252	1397978	17.084	ng	96
89) Benzo(k)fluoranthene	24.007	252	441415	5.391	ng	94
90) Benzo(a)pyrene	24.854	252	988740	12.413	ng	97
91) Dibenzo(a,h)anthracene	28.936	278	190610	2.292	ng	96
92) Benzo(g,h,i)perylene	30.047	276	686707	8.400	ng	99

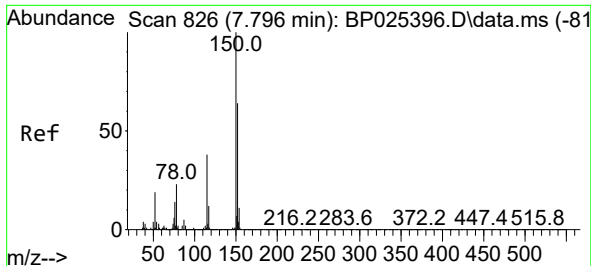
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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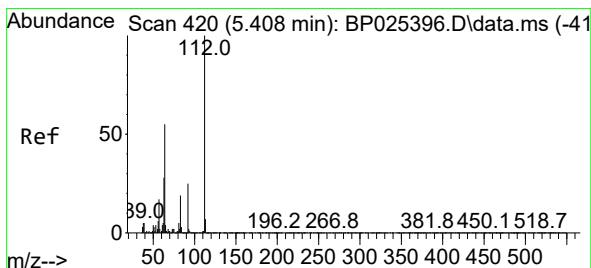
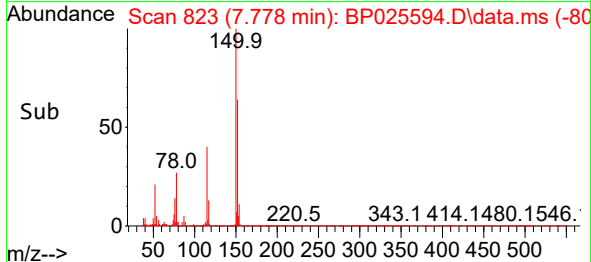
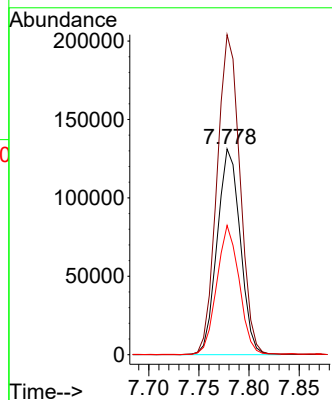
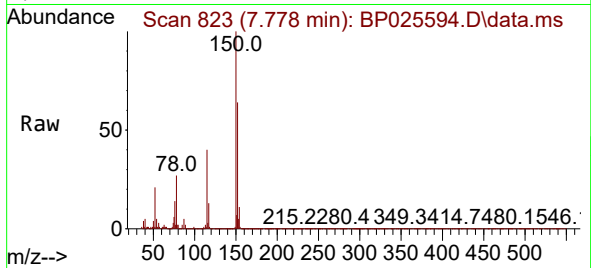




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.778 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

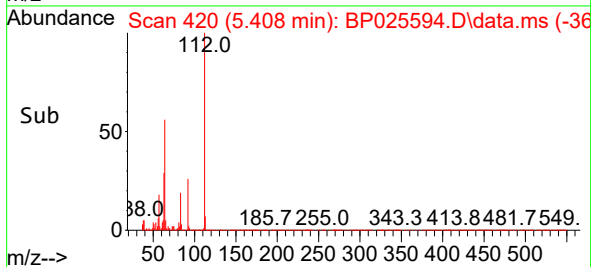
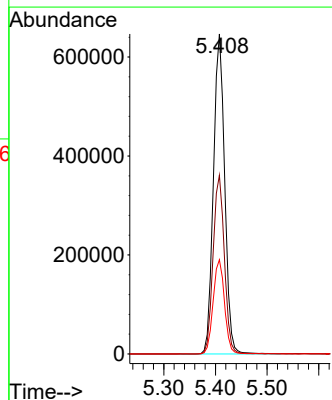
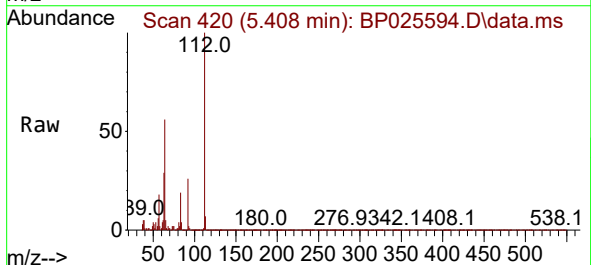
Instrument :
 BNA_P
 ClientSampleId :
 27-BELL

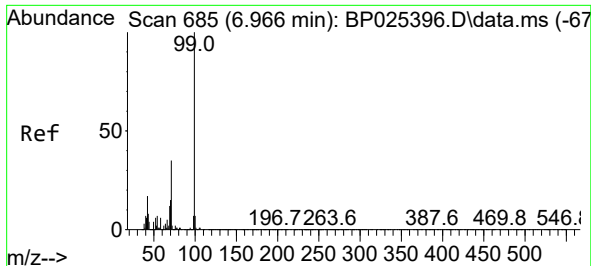
Tgt Ion:152 Resp: 209024
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.9 188.9
 115 62.8 48.5 72.7



#5
 2-Fluorophenol
 Concen: 77.810 ng
 RT: 5.408 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

Tgt Ion:112 Resp: 979361
 Ion Ratio Lower Upper
 112 100
 64 55.9 43.8 65.8
 63 29.4 22.7 34.1

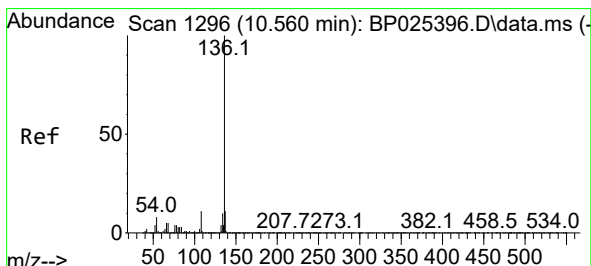
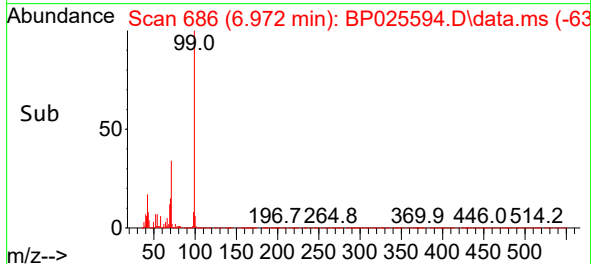
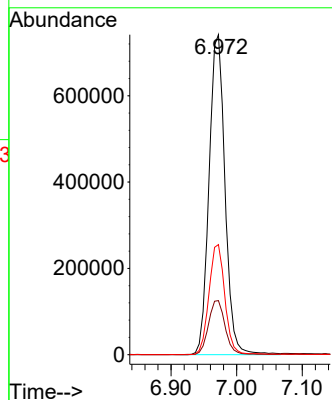
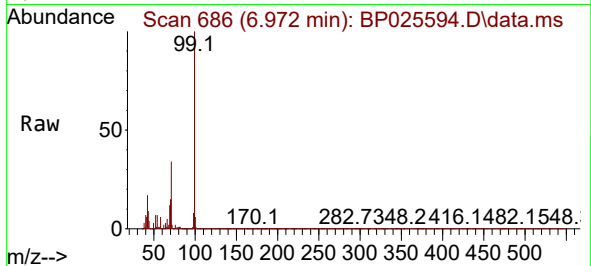




#7
Phenol-d6
Concen: 77.824 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

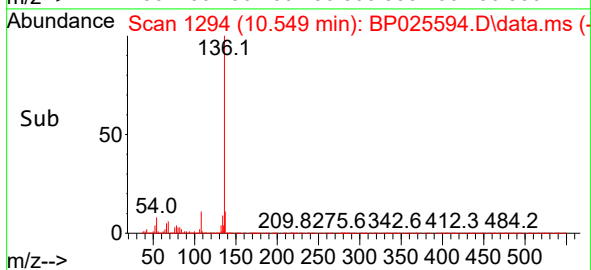
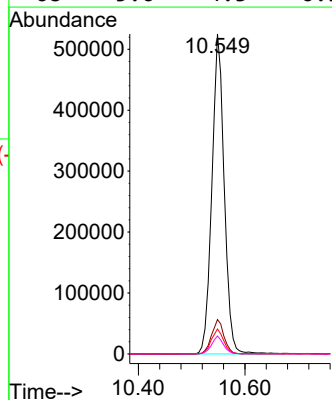
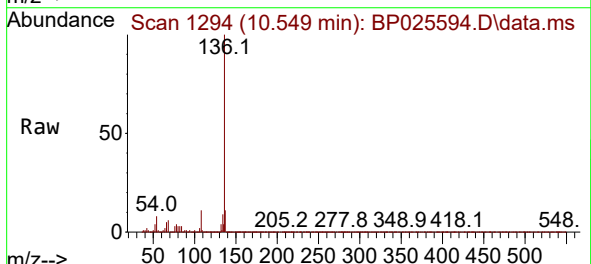
Instrument :
BNA_P
ClientSampleId :
27-BELL

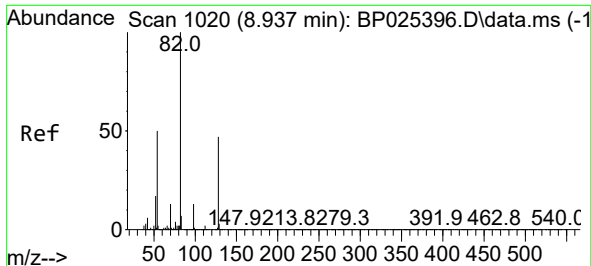
Tgt Ion: 99 Resp: 1255837
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 34.4 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

Tgt Ion:136 Resp: 844005
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.8 6.0 9.0
68 5.6 4.3 6.5

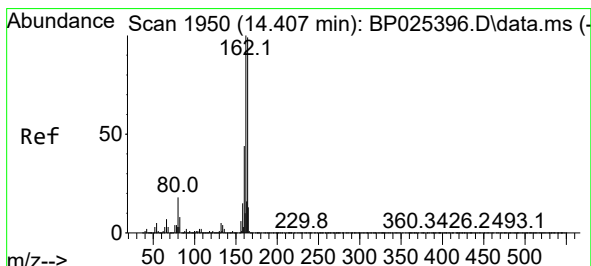
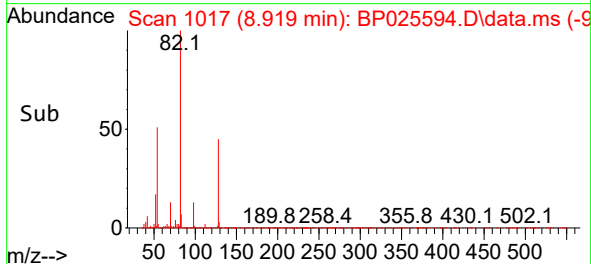
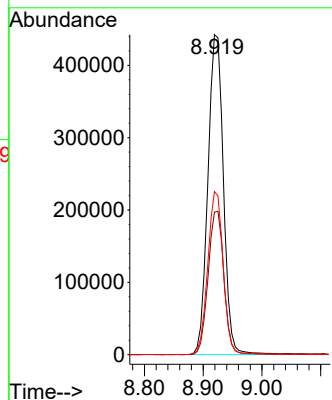
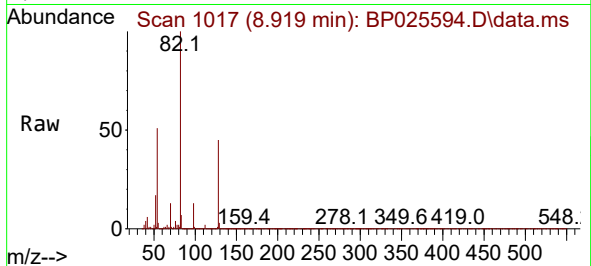




#23
Nitrobenzene-d5
Concen: 48.578 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

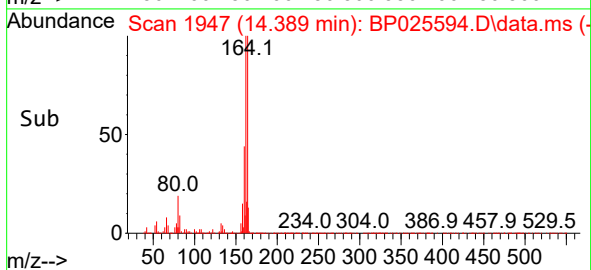
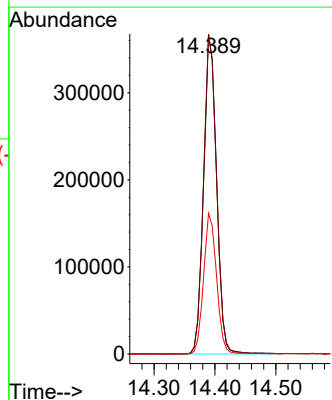
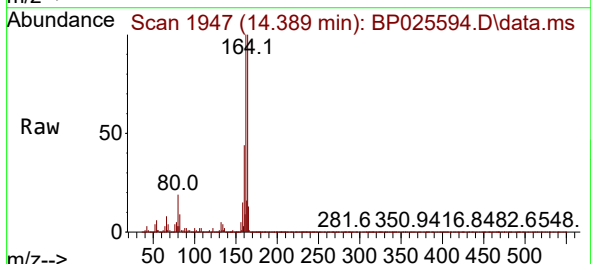
Instrument :
BNA_P
ClientSampleId :
27-BELL

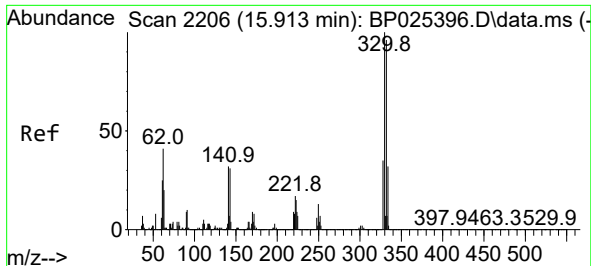
Tgt Ion: 82 Resp: 810516
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 51.0 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

Tgt Ion:164 Resp: 543820
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.6
160 44.0 35.4 53.2

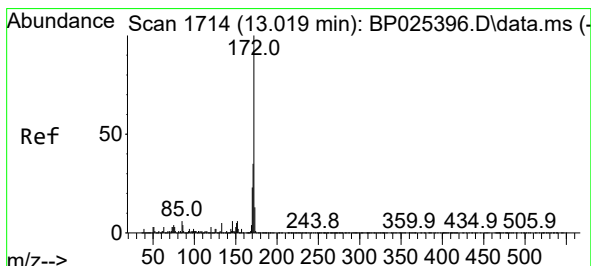
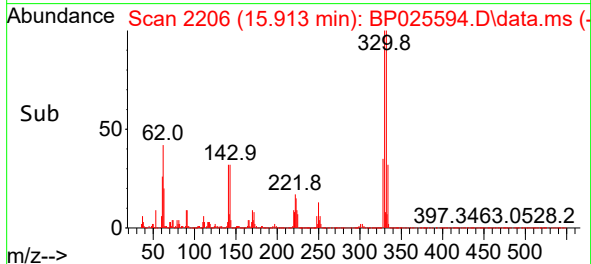
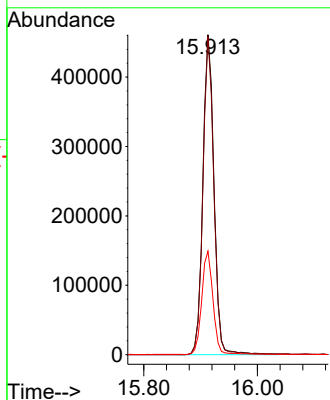
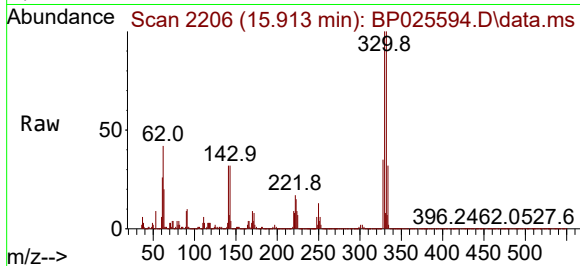




#42
2,4,6-Tribromophenol
Concen: 85.476 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

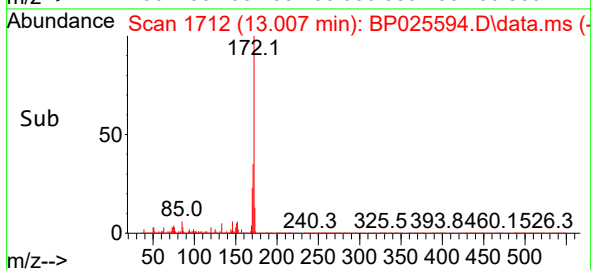
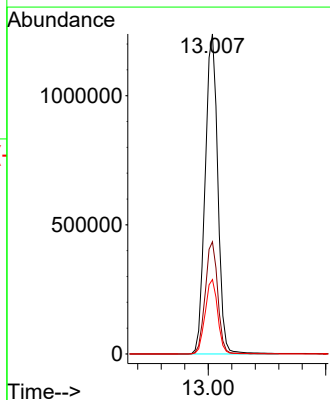
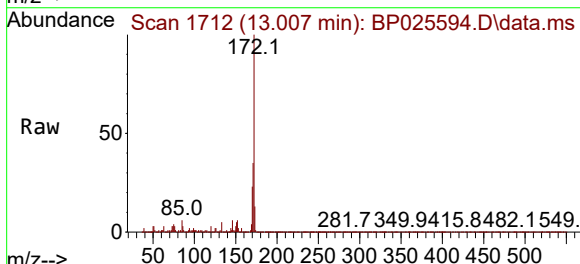
Instrument :
BNA_P
ClientSampleId :
27-BELL

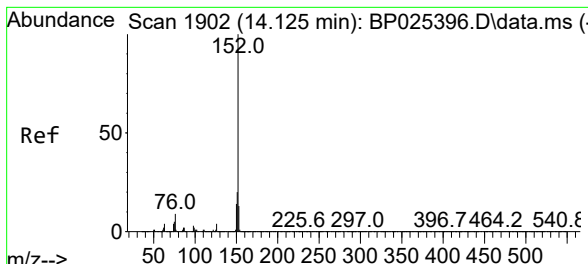
Tgt Ion: 330 Resp: 625675
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 32.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 46.535 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

Tgt Ion: 172 Resp: 1851674
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.2 18.6 28.0



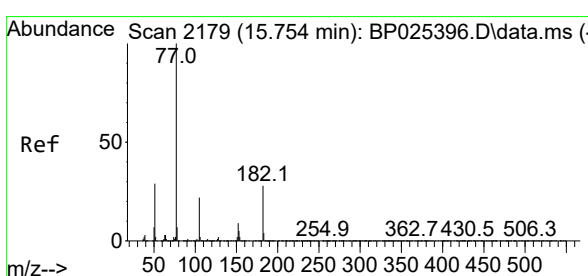
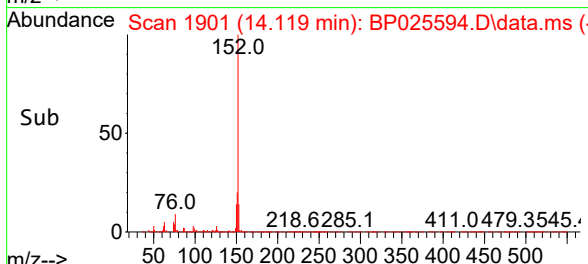
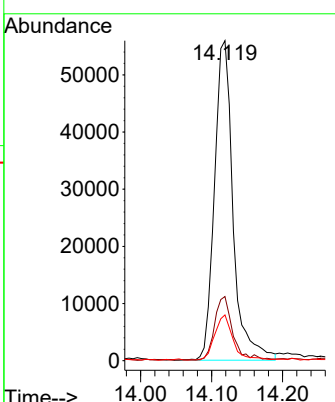
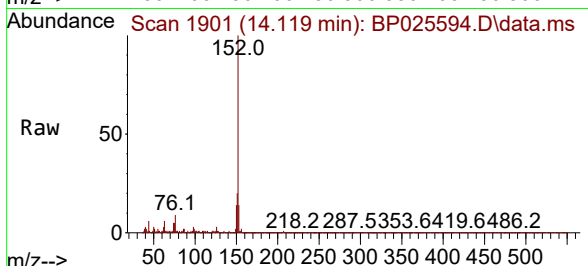


#49
 Acenaphthylene
 Concen: 2.001 ng
 RT: 14.119 min Scan# 1901
 Delta R.T. -0.006 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

Instrument :
 BNA_P
 ClientSampleId :
 27-BELL

Tgt Ion:152 Resp: 101788

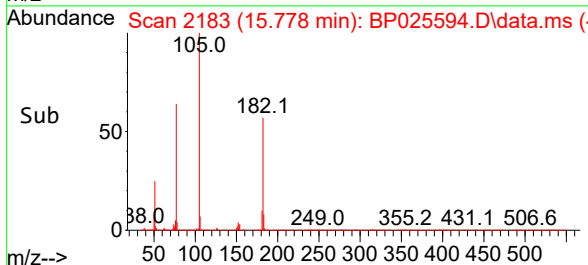
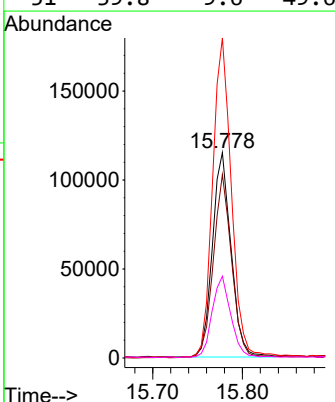
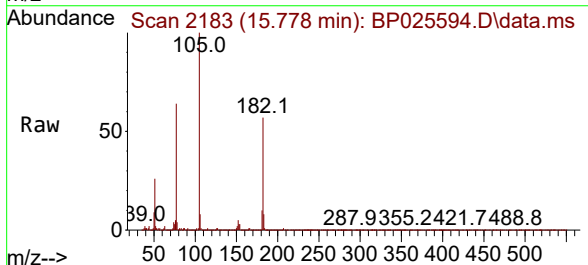
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	14.3	10.6	15.8

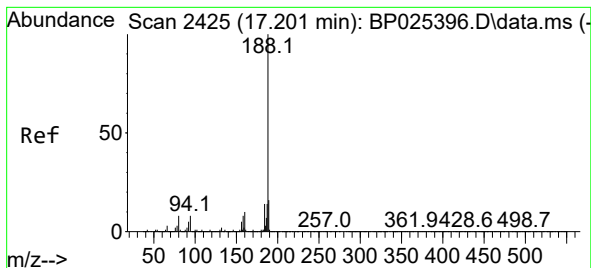


#63
 Azobenzene
 Concen: 4.782 ng
 RT: 15.778 min Scan# 2183
 Delta R.T. 0.024 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

Tgt Ion: 77 Resp: 165679

Ion	Ratio	Lower	Upper
77	100		
182	89.2	7.5	47.5#
105	155.8	2.1	42.1#
51	39.8	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: BP025594.D

Acq: 26 Aug 2025 20:44

Instrument :

BNA_P

ClientSampleId :

27-BELL

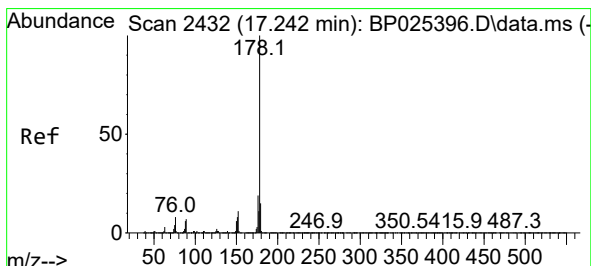
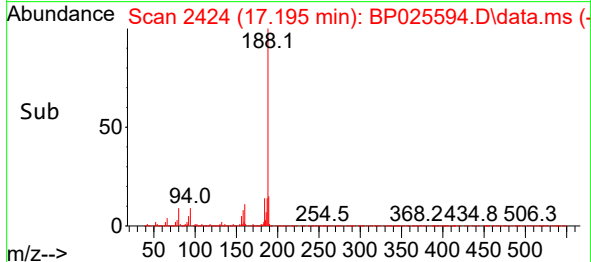
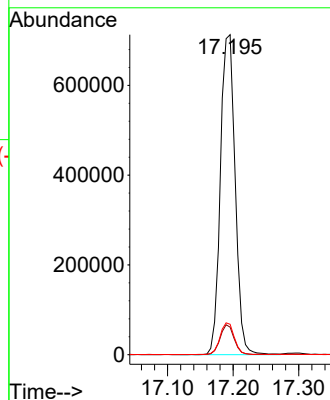
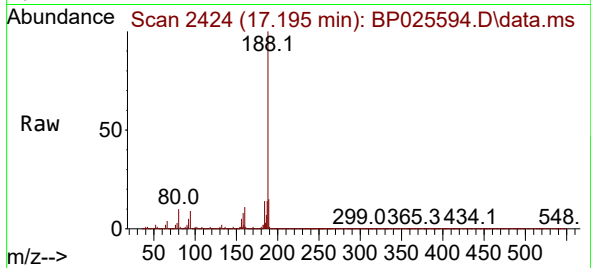
Tgt Ion:188 Resp: 1107950

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.5 6.7 10.1



#71

Phenanthrene

Concen: 7.386 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

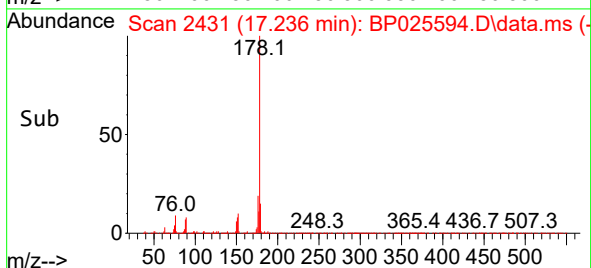
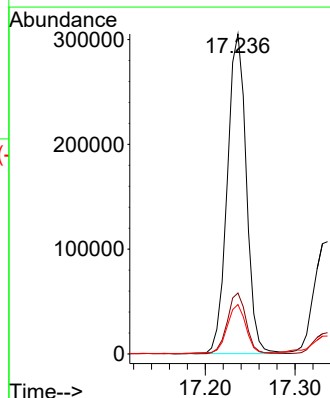
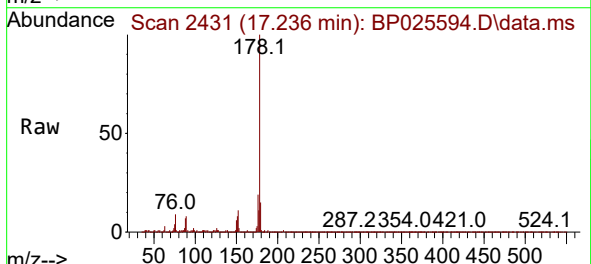
Tgt Ion:178 Resp: 449521

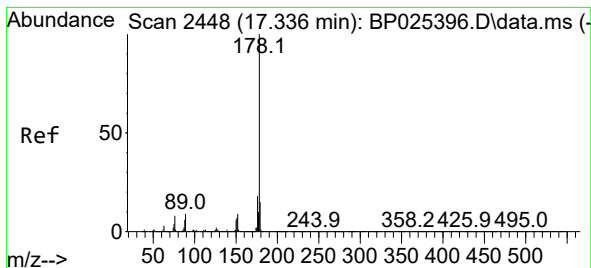
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.4 12.2 18.4





#72

Anthracene

Concen: 2.698 ng

RT: 17.336 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

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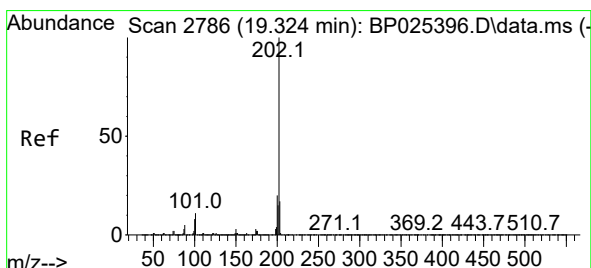
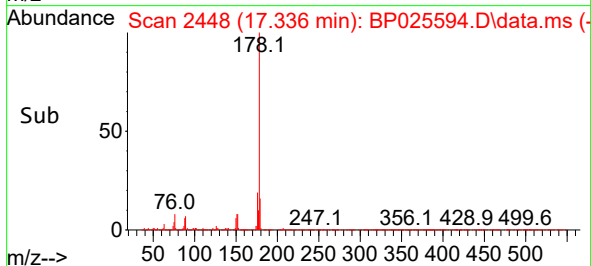
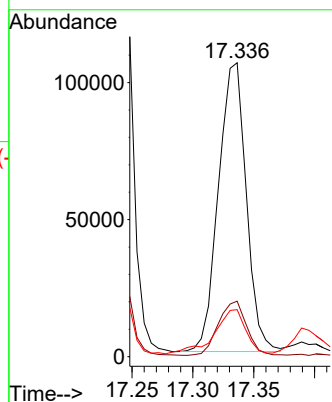
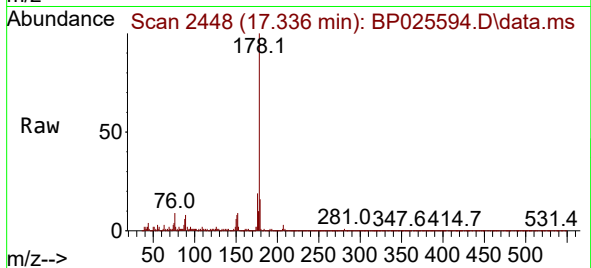
Tgt Ion:178 Resp: 167691

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

179 16.0 12.2 18.2



#75

Fluoranthene

Concen: 21.623 ng

RT: 19.319 min Scan# 2785

Delta R.T. -0.006 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

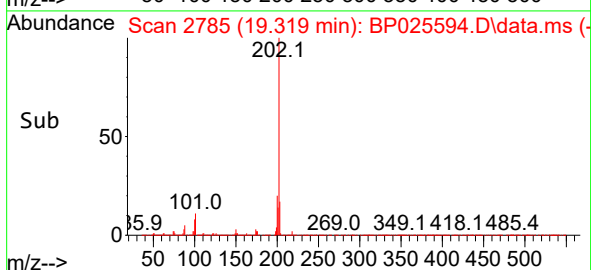
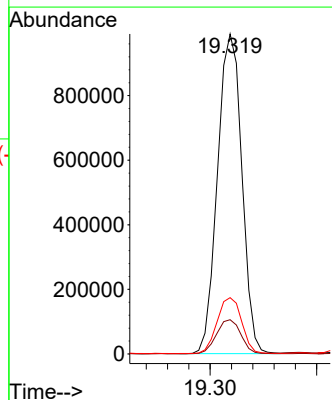
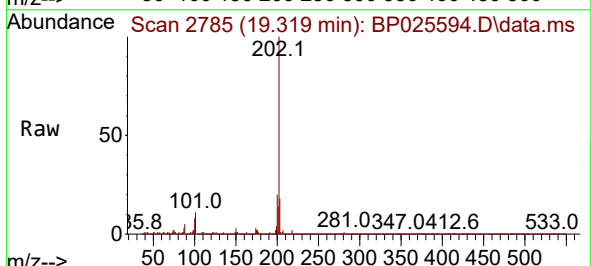
Tgt Ion:202 Resp: 1569842

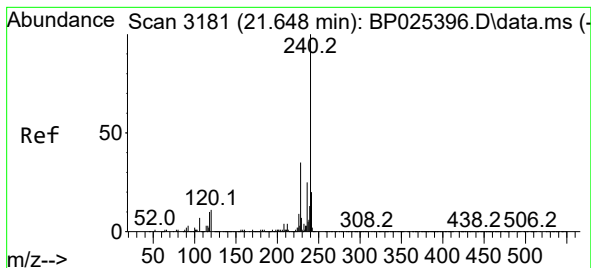
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.1

203 17.6 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: BP025594.D

Acq: 26 Aug 2025 20:44

Instrument :

BNA_P

ClientSampleId :

27-BELL

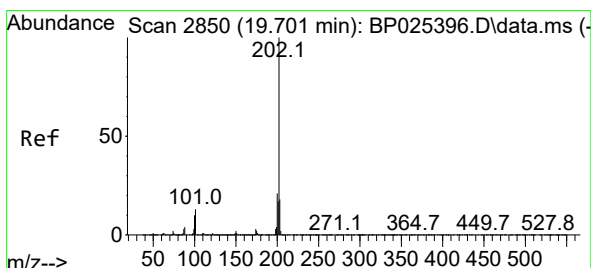
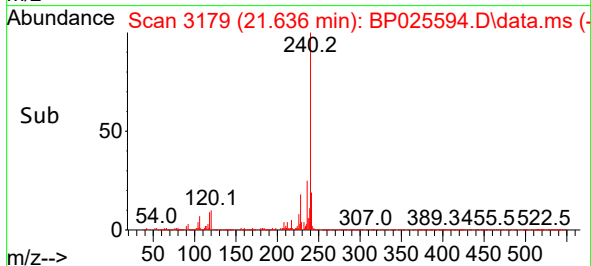
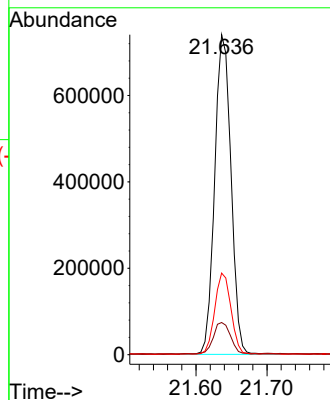
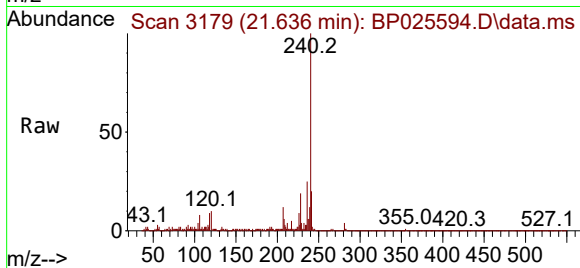
Tgt Ion:240 Resp: 1177876

Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 25.5 19.8 29.8



#78

Pyrene

Concen: 19.118 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

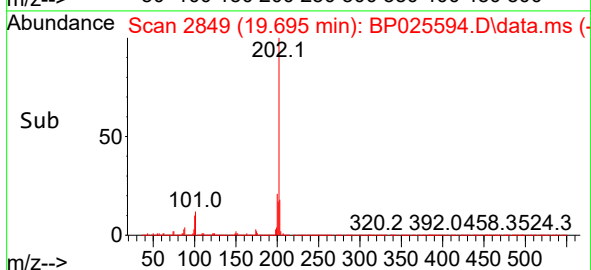
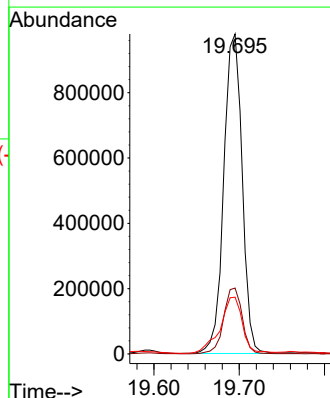
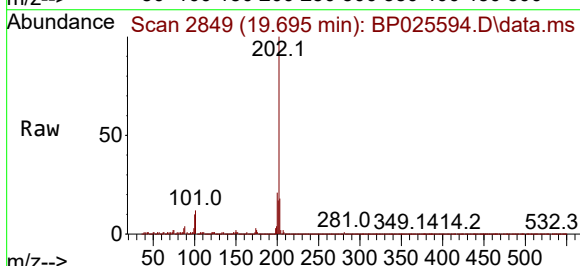
Tgt Ion:202 Resp: 1463678

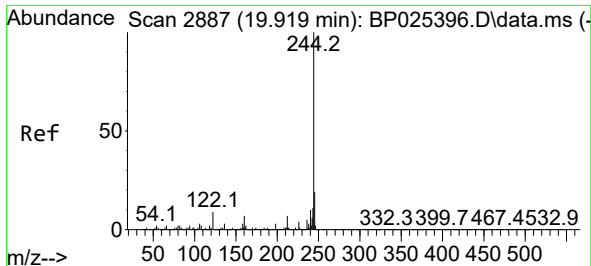
Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.8 14.2 21.2

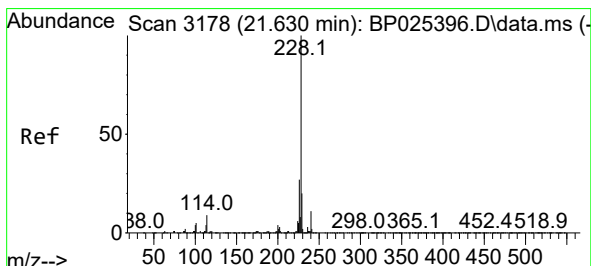
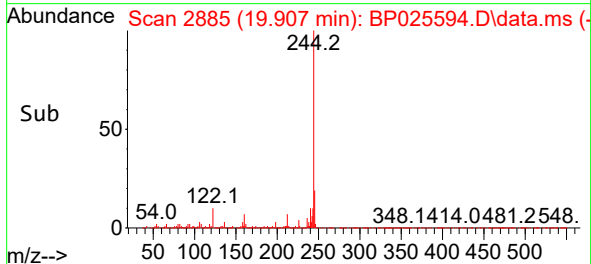
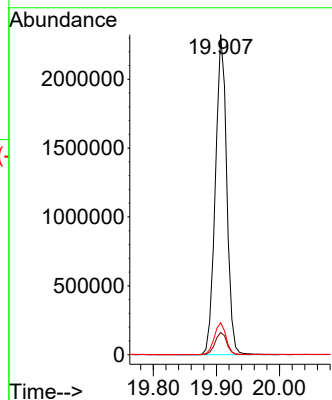
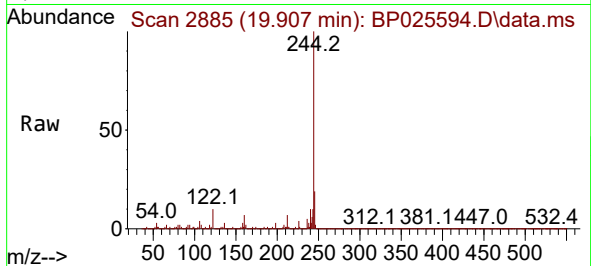




#79
 Terphenyl-d14
 Concen: 44.845 ng
 RT: 19.907 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

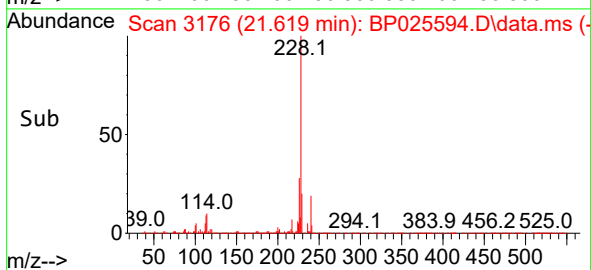
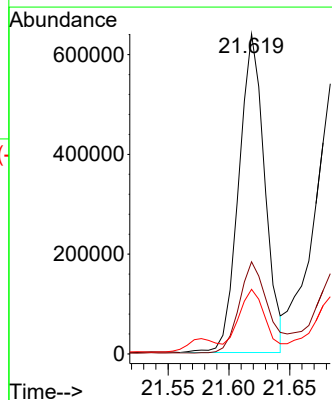
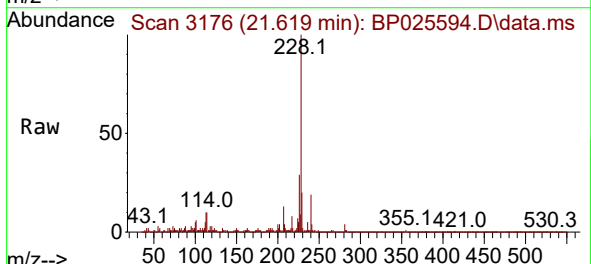
Instrument :
 BNA_P
 ClientSampleId :
 27-BELL

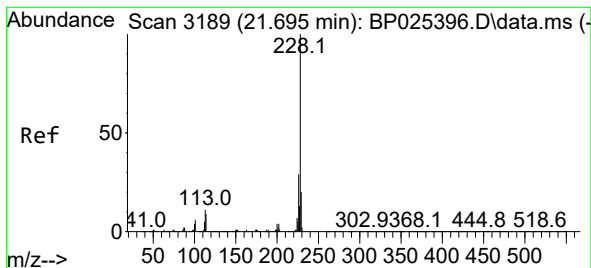
Tgt Ion:244 Resp: 2887144
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.0 7.4 11.2



#81
 Benzo(a)anthracene
 Concen: 12.197 ng
 RT: 21.619 min Scan# 3176
 Delta R.T. -0.012 min
 Lab File: BP025594.D
 Acq: 26 Aug 2025 20:44

Tgt Ion:228 Resp: 947450
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.2 15.6 23.4





#83

Chrysene

Concen: 12.758 ng

RT: 21.683 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

Instrument :

BNA_P

ClientSampleId :

27-BELL

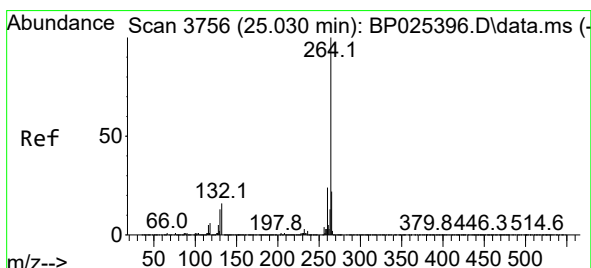
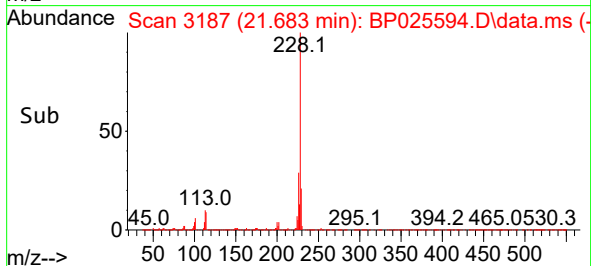
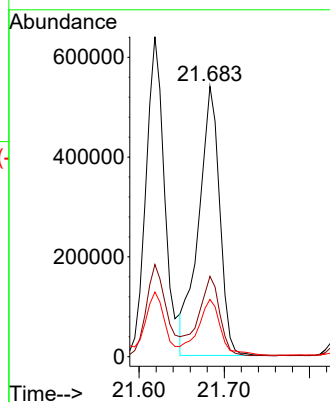
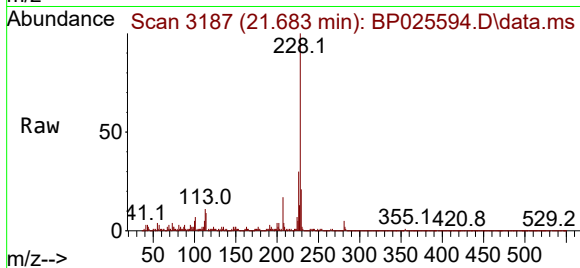
Tgt Ion:228 Resp: 928101

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 21.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 3754

Delta R.T. -0.012 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

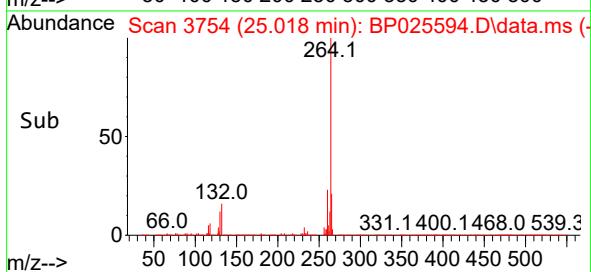
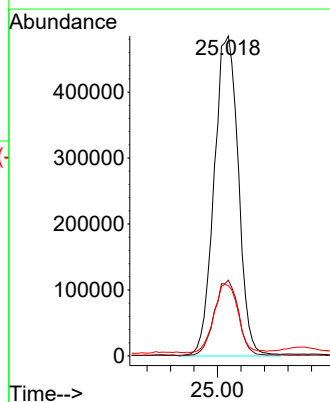
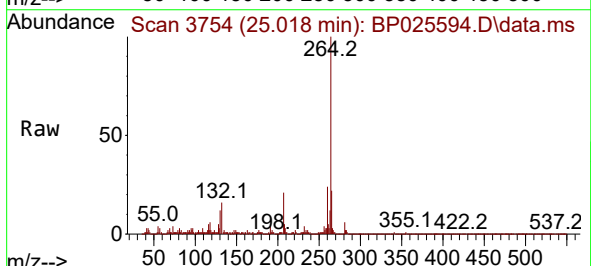
Tgt Ion:264 Resp: 1387698

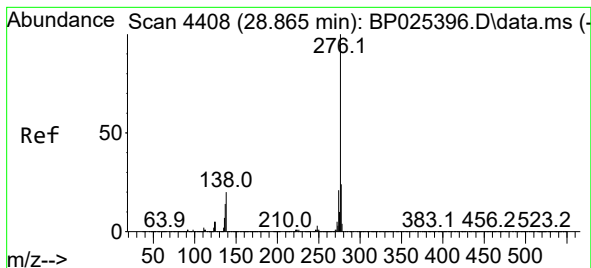
Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.302 ng

RT: 28.865 min Scan# 4408

Delta R.T. 0.000 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

Instrument :

BNA_P

ClientSampleId :

27-BELL

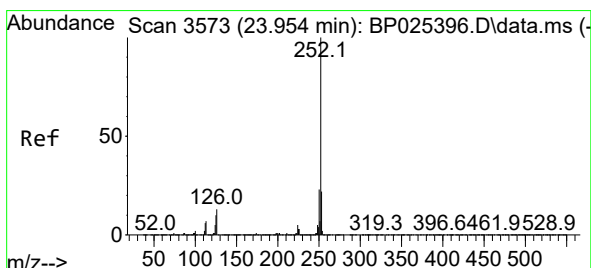
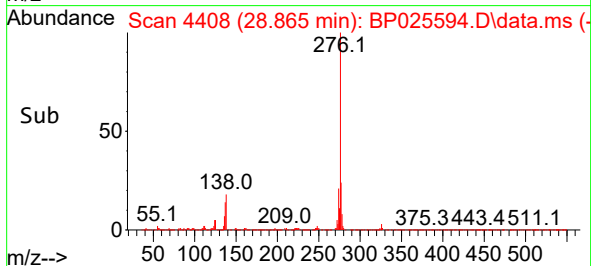
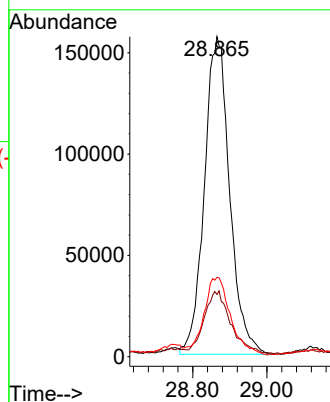
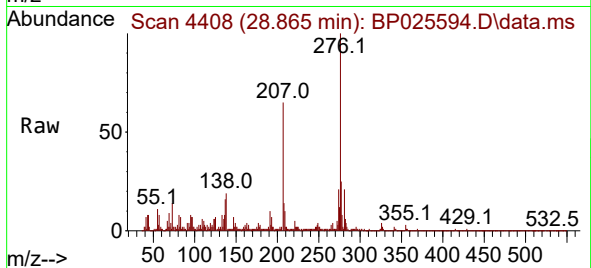
Tgt Ion:276 Resp: 743117

Ion Ratio Lower Upper

276 100

138 20.7 12.9 19.3#

277 25.5 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 17.084 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

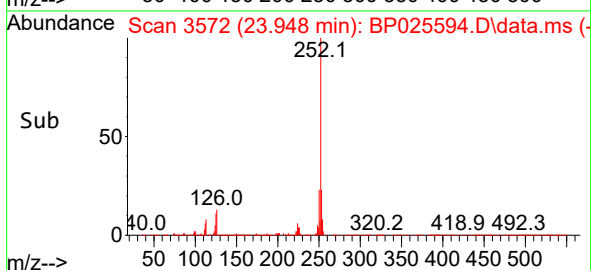
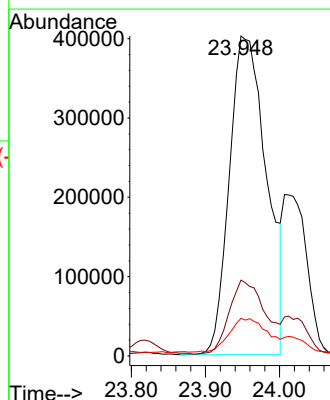
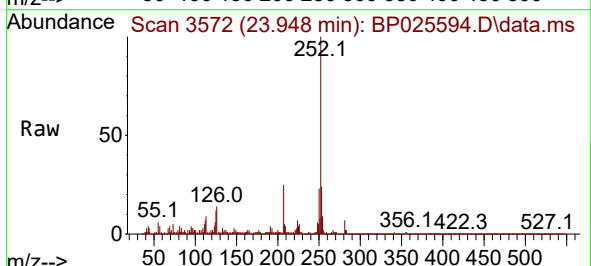
Tgt Ion:252 Resp: 1397978

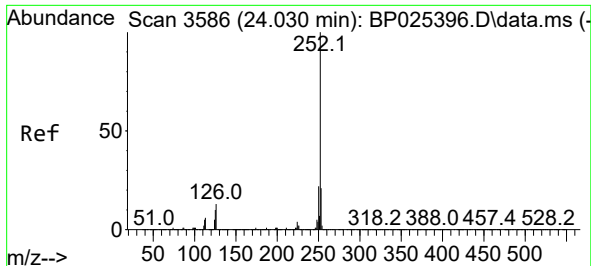
Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 11.7 7.9 11.9

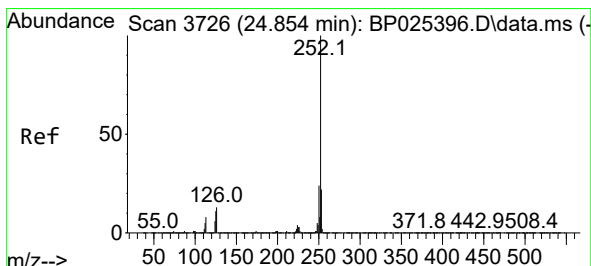
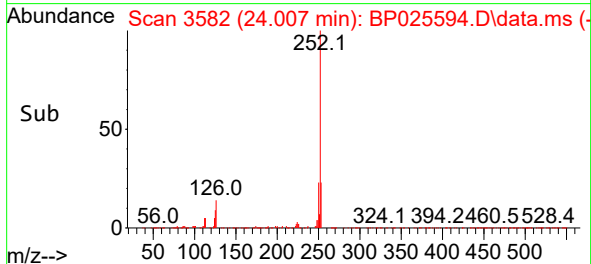
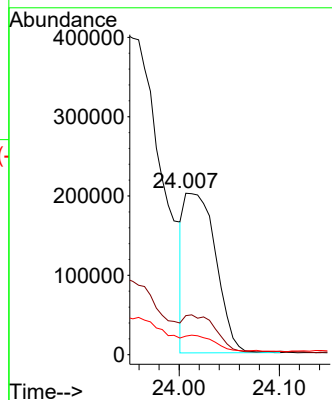
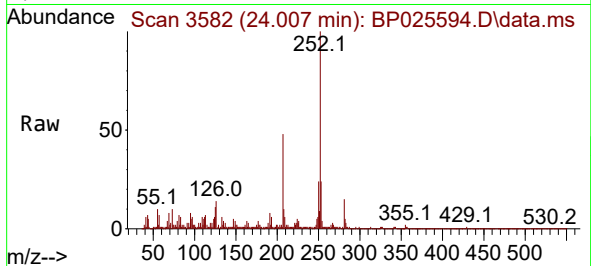




#89
Benzo(k)fluoranthene
Concen: 5.391 ng
RT: 24.007 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

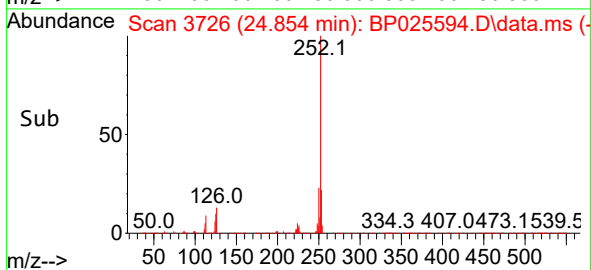
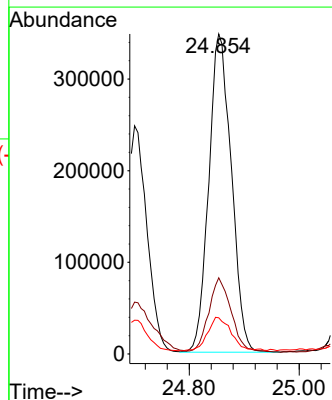
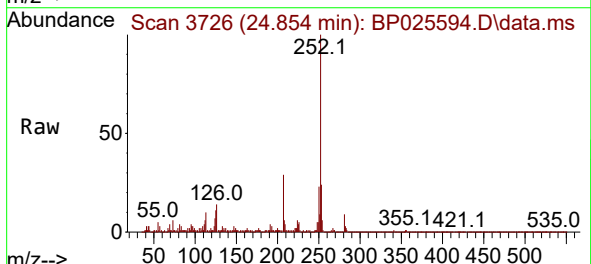
Instrument :
BNA_P
ClientSampleId :
27-BELL

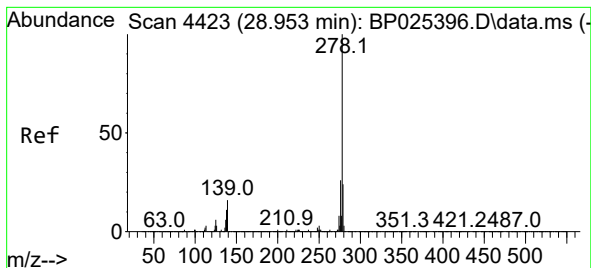
Tgt Ion:252 Resp: 441415
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 11.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 12.413 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025594.D
Acq: 26 Aug 2025 20:44

Tgt Ion:252 Resp: 988740
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 2.292 ng

RT: 28.936 min Scan# 4423

Delta R.T. -0.018 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

Instrument :

BNA_P

ClientSampleId :

27-BELL

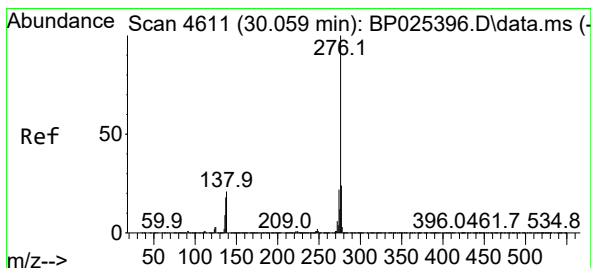
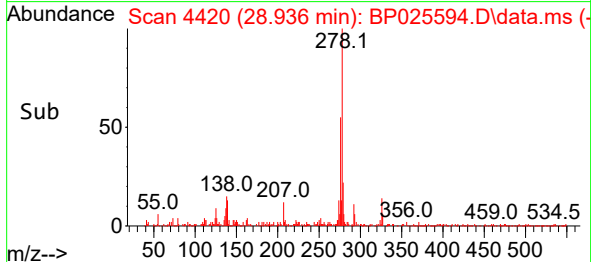
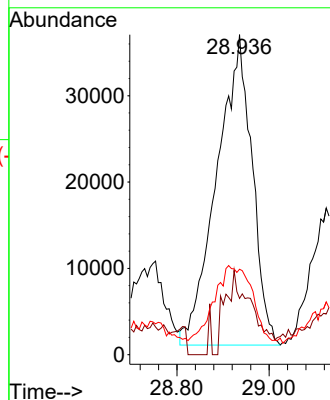
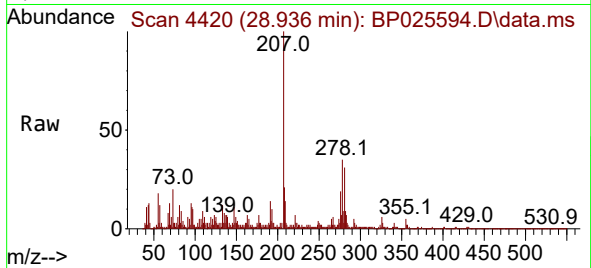
Tgt Ion:278 Resp: 190610

Ion Ratio Lower Upper

278 100

139 17.6 13.0 19.4

279 26.7 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 8.400 ng

RT: 30.047 min Scan# 4609

Delta R.T. -0.012 min

Lab File: BP025594.D

Acq: 26 Aug 2025 20:44

Tgt Ion:276 Resp: 686707

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 20.7 16.7 25.1

