

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025320.D
 Acq On : 07 Aug 2025 19:15
 Operator : CG/JU
 Sample : Q2774-13DL 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 254DL

Quant Time: Aug 08 01:04:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

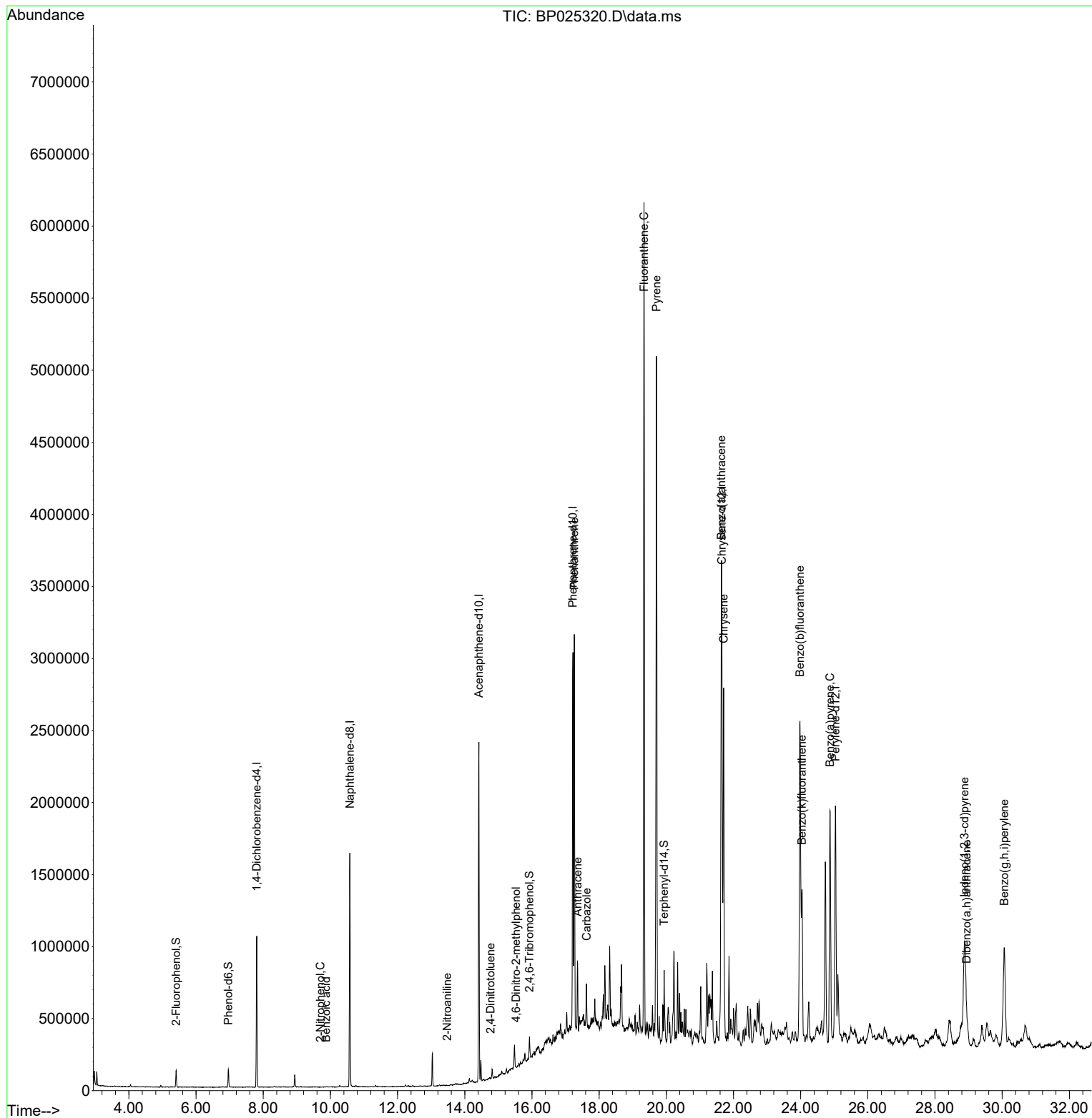
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	297203	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1300945	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	814231	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1524689	20.000	ng	0.00
76) Chrysene-d12	21.654	240	1441167	20.000	ng	0.00
86) Perylene-d12	25.036	264	1583716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	50986	2.759	ng	0.00
7) Phenol-d6	6.961	99	69636	2.863	ng	0.00
23) Nitrobenzene-d5	8.937	82	41969	1.787	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	24194	2.978	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	111704	1.895	ng	0.00
79) Terphenyl-d14	19.936	244	162552	2.130	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.702	139	24	3.641	ng	# 1
32) Benzoic acid	9.872	122	353	5.985	ng	# 68
48) 2-Nitroaniline	13.478	65	127	2.973	ng	# 60
57) 2,4-Dinitrotoluene	14.766	165	130	3.262	ng	# 65
65) 4,6-Dinitro-2-methylph...	15.531	198	242	4.877	ng	# 1
71) Phenanthrene	17.260	178	1753413	20.997	ng	99
72) Anthracene	17.354	178	316588	3.760	ng	99
73) Carbazole	17.625	167	208250	2.576	ng	98
75) Fluoranthene	19.336	202	4131908	42.741	ng	99
78) Pyrene	19.707	202	3470215	36.210	ng	99
81) Benzo(a)anthracene	21.636	228	1687410	17.619	ng	98
83) Chrysene	21.707	228	1817831	20.465	ng	98
87) Indeno(1,2,3-cd)pyrene	28.877	276	1302709	11.476	ng	# 91
88) Benzo(b)fluoranthene	23.977	252	2463774	25.988	ng	99
89) Benzo(k)fluoranthene	24.036	252	781485	8.315	ng	98
90) Benzo(a)pyrene	24.877	252	1623137	17.778	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	289089	3.110	ng	95
92) Benzo(g,h,i)perylene	30.065	276	1220963	13.382	ng	99

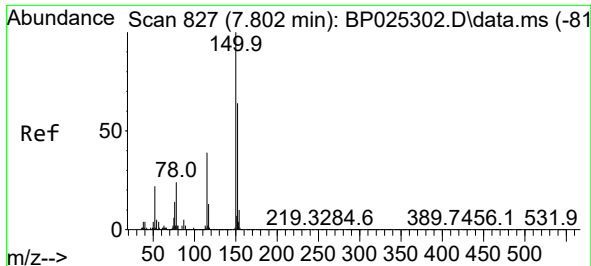
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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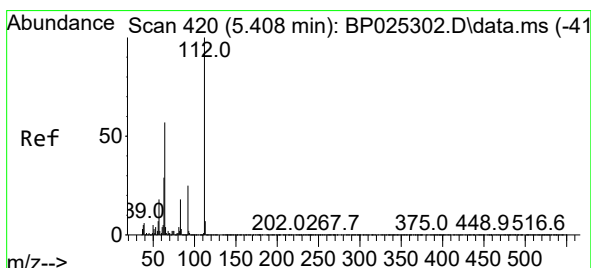
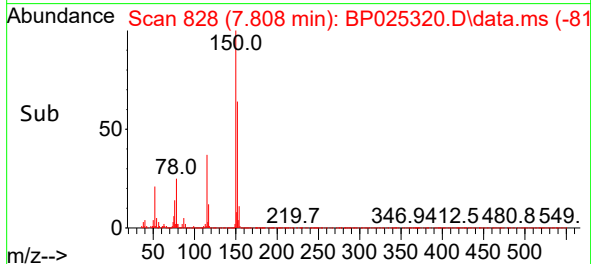
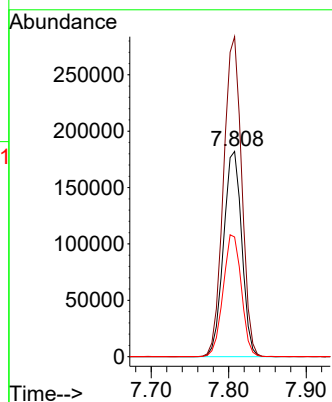
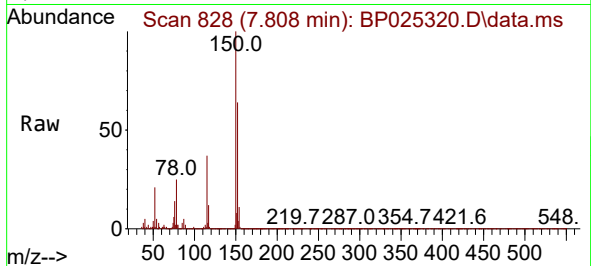




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

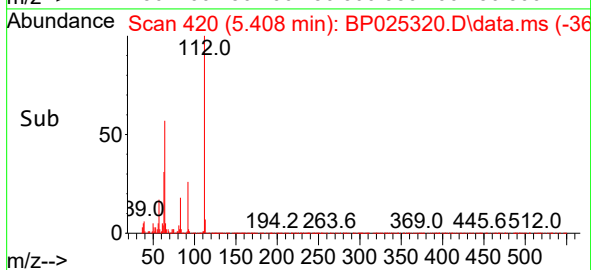
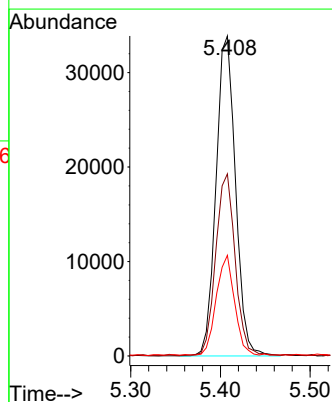
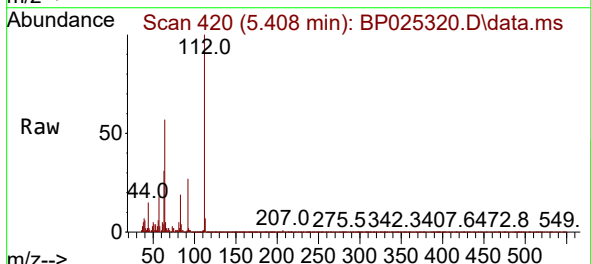
Instrument :
BNA_P
ClientSampleId :
254DL

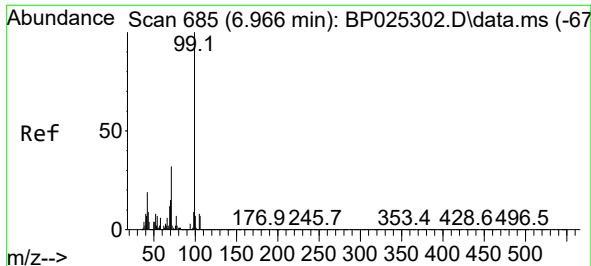
Tgt Ion:152 Resp: 297203
Ion Ratio Lower Upper
152 100
150 155.8 125.1 187.7
115 58.3 48.4 72.6



#5
2-Fluorophenol
Concen: 2.759 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

Tgt Ion:112 Resp: 50986
Ion Ratio Lower Upper
112 100
64 56.9 45.3 67.9
63 31.4 23.0 34.6

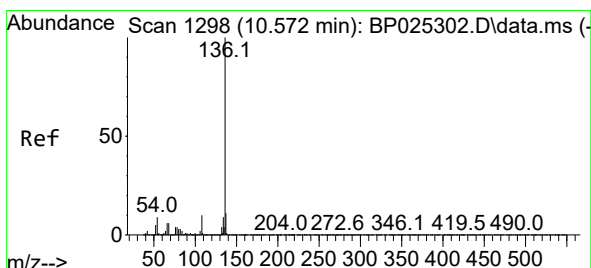
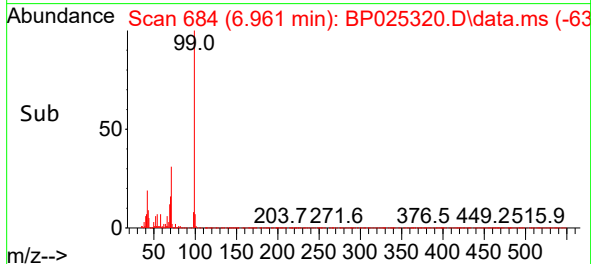
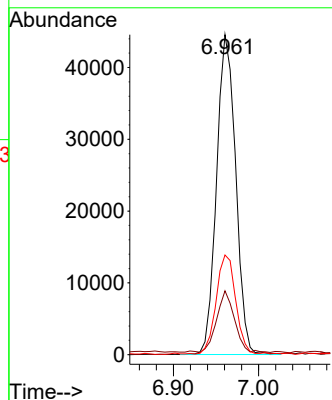
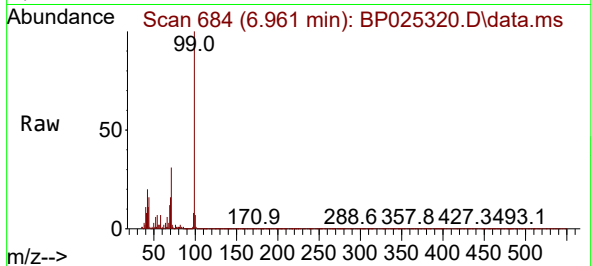




#7
Phenol-d6
Concen: 2.863 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

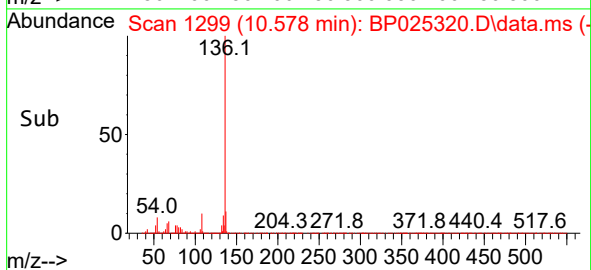
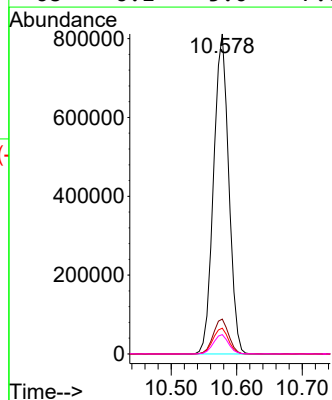
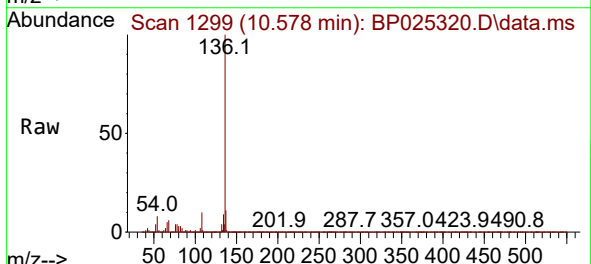
Instrument :
BNA_P
ClientSampleId :
254DL

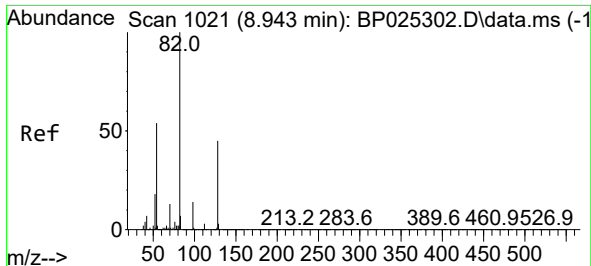
Tgt Ion: 99 Resp: 69636
Ion Ratio Lower Upper
99 100
42 19.9 15.0 22.6
71 31.1 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

Tgt Ion: 136 Resp: 1300945
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.0 7.0 10.6
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 1.787 ng

RT: 8.937 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

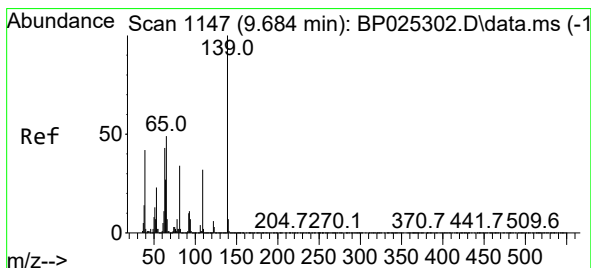
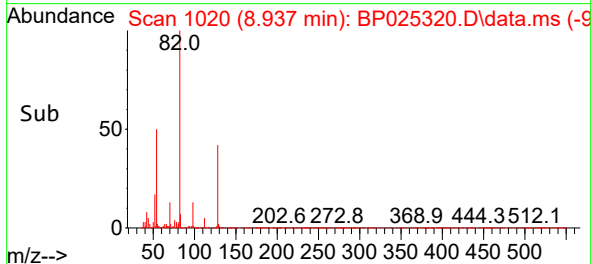
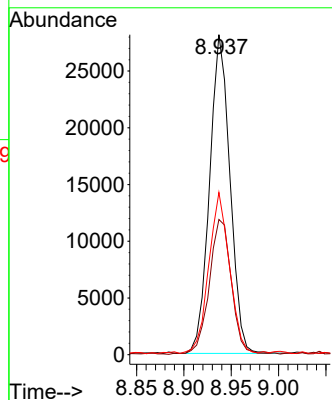
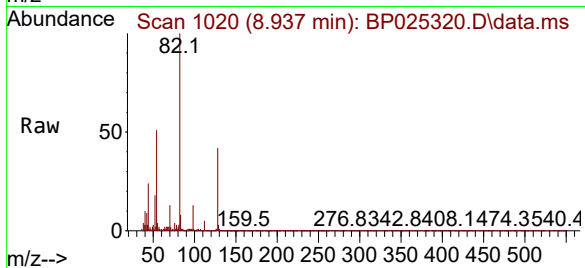
Tgt Ion: 82 Resp: 41969

Ion Ratio Lower Upper

82 100

128 42.3 35.4 53.2

54 50.7 42.9 64.3



#26

2-Nitrophenol

Concen: 3.641 ng

RT: 9.702 min Scan# 1150

Delta R.T. 0.018 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

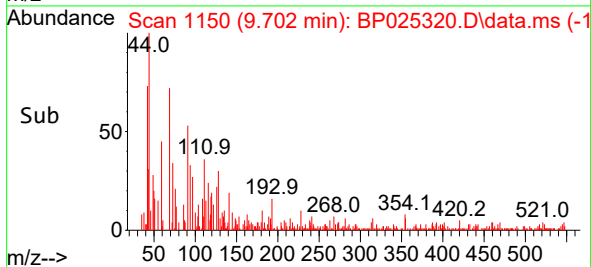
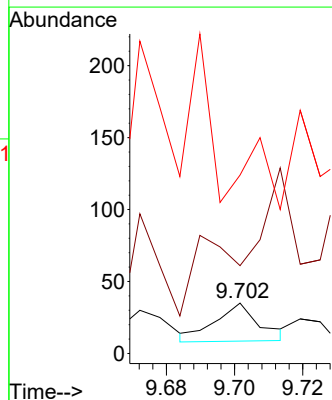
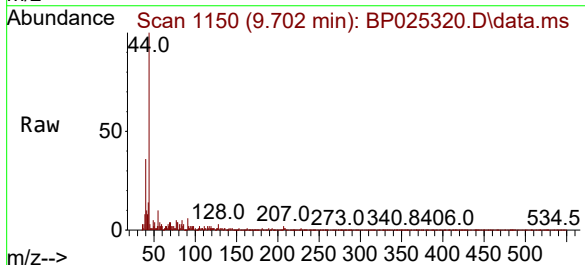
Tgt Ion:139 Resp: 24

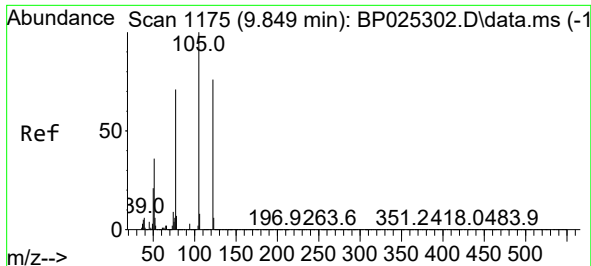
Ion Ratio Lower Upper

139 100

109 174.3 25.2 37.8#

65 354.3 39.6 59.4#

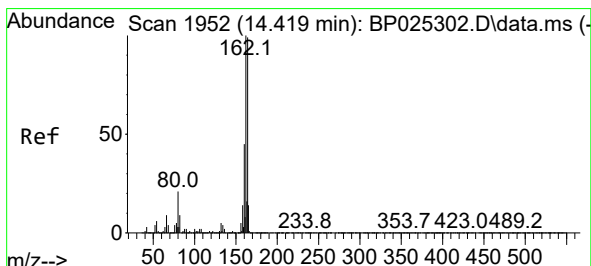
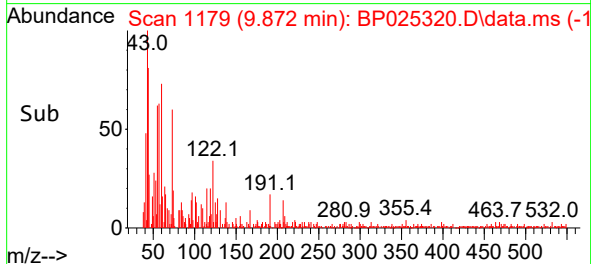
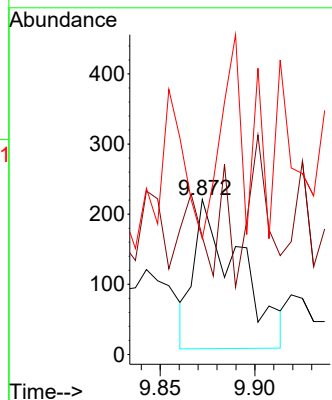
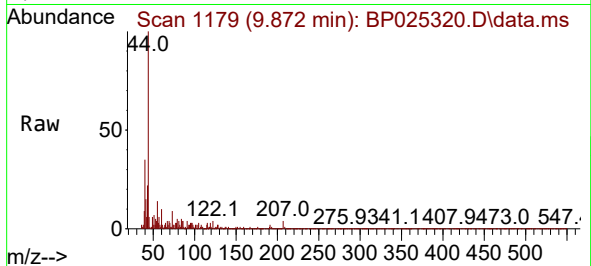




#32
Benzoic acid
Concen: 5.985 ng
RT: 9.872 min Scan# 1175
Delta R.T. 0.023 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

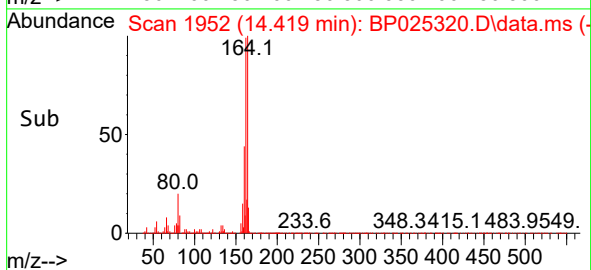
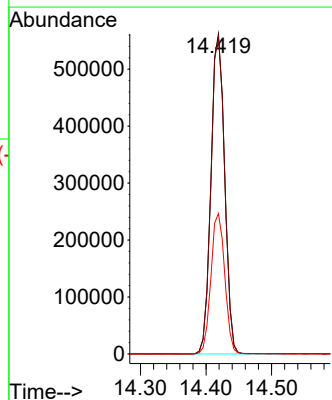
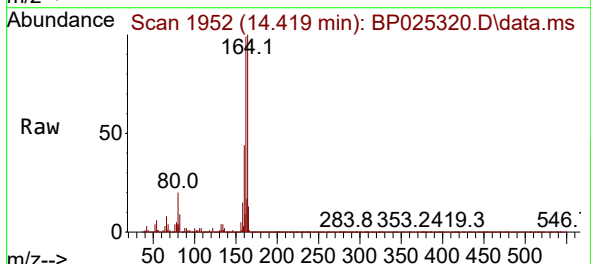
Instrument :
BNA_P
ClientSampleId :
254DL

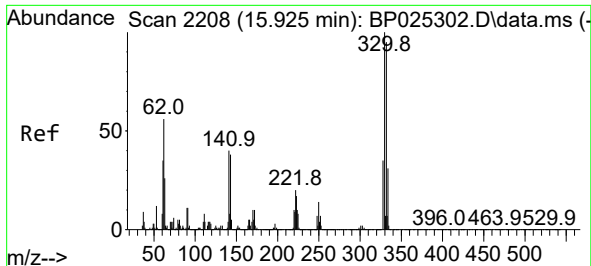
Tgt Ion:122 Resp: 353
Ion Ratio Lower Upper
122 100
105 76.0 104.0 144.0#
77 74.7 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

Tgt Ion:164 Resp: 814231
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 43.9 35.9 53.9

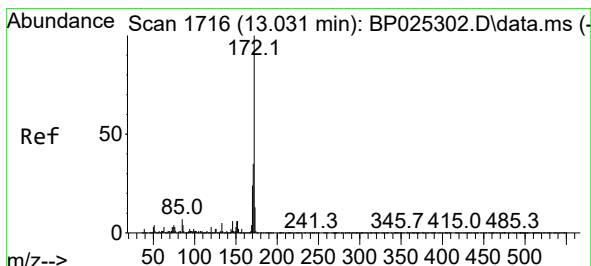
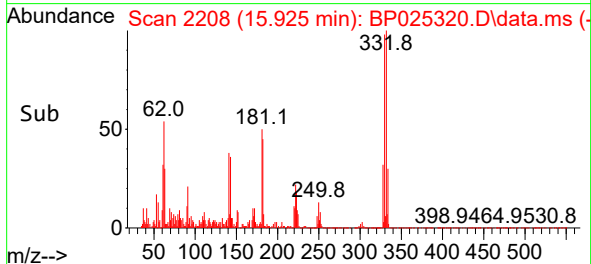
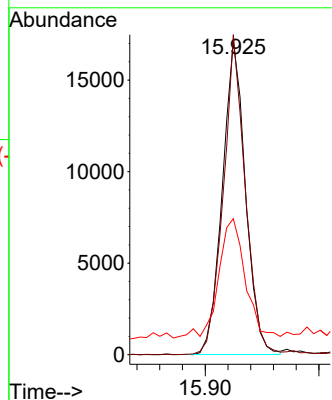
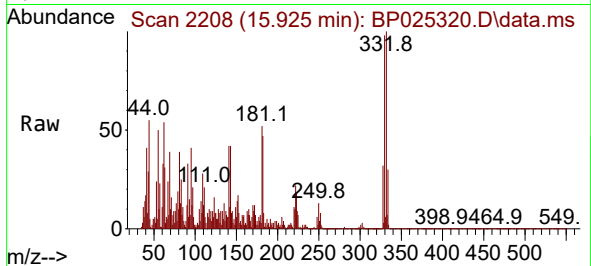




#42
2,4,6-Tribromophenol
Concen: 2.978 ng
RT: 15.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

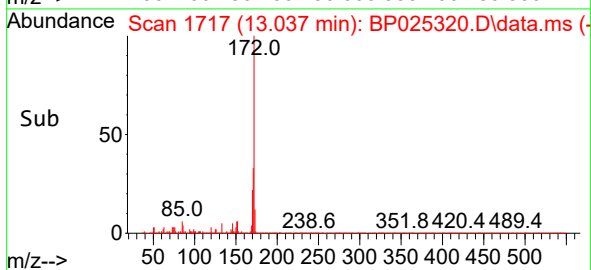
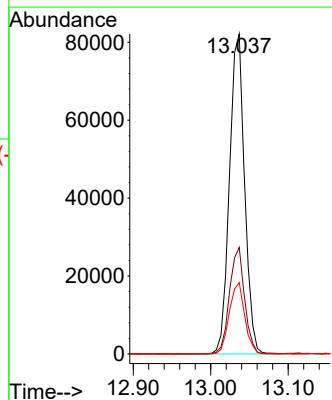
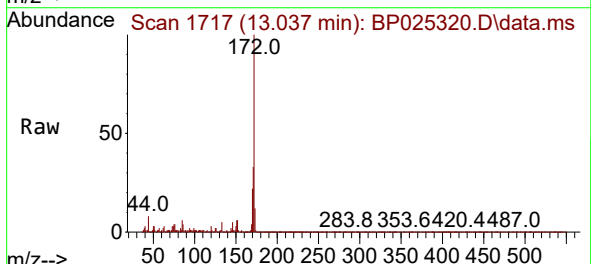
Instrument :
BNA_P
ClientSampleId :
254DL

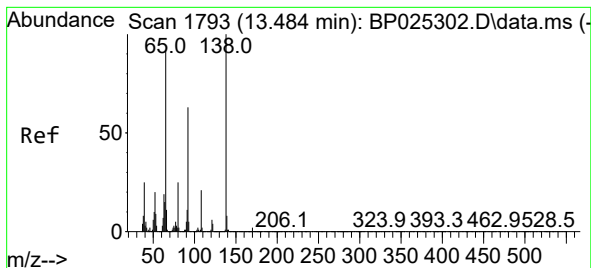
Tgt Ion:330 Resp: 24194
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 43.8 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 1.895 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025320.D
Acq: 07 Aug 2025 19:15

Tgt Ion:172 Resp: 111704
Ion Ratio Lower Upper
172 100
171 33.3 27.9 41.9
170 22.3 18.9 28.3





#48

2-Nitroaniline

Concen: 2.973 ng

RT: 13.478 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

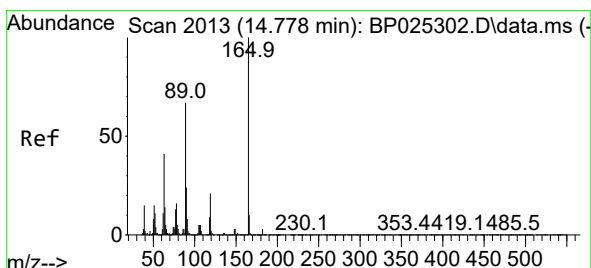
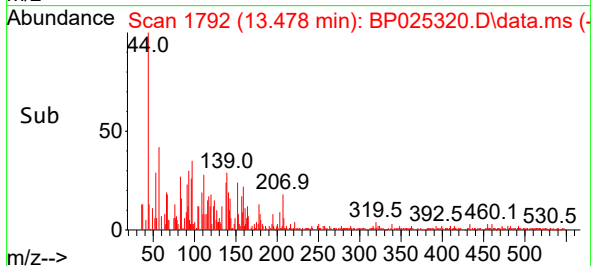
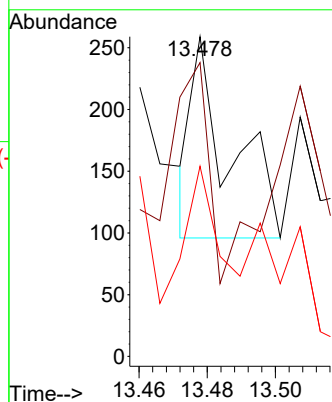
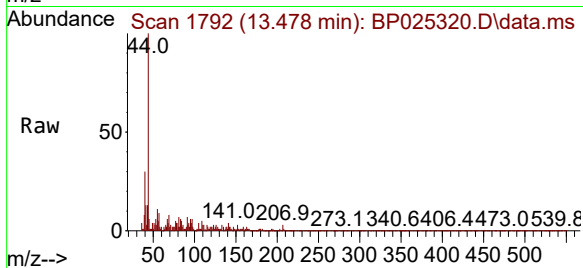
Tgt Ion: 65 Resp: 127

Ion Ratio Lower Upper

65 100

92 91.9 54.4 81.6#

138 59.5 87.0 130.4#



#57

2,4-Dinitrotoluene

Concen: 3.262 ng

RT: 14.766 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Tgt Ion: 165 Resp: 130

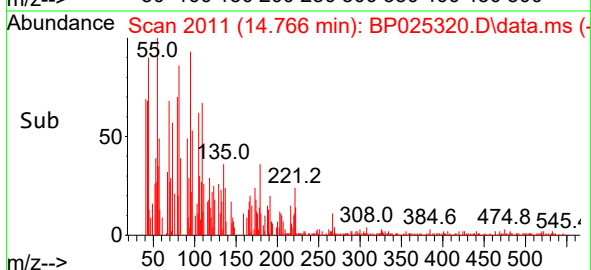
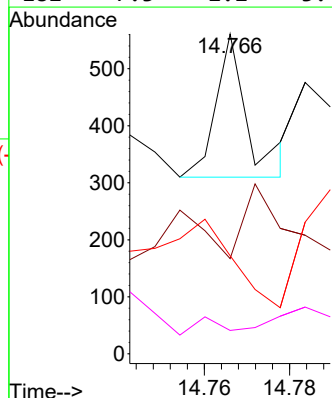
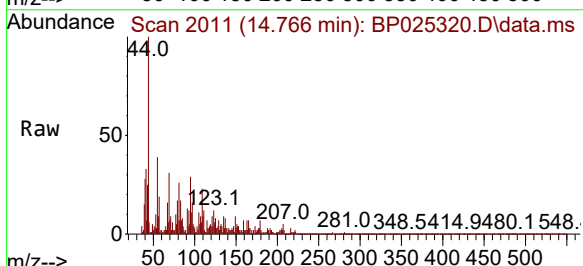
Ion Ratio Lower Upper

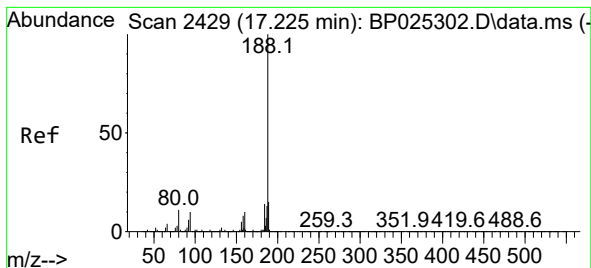
165 100

63 29.8 33.2 49.8#

89 30.7 53.5 80.3#

182 7.3 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2429

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

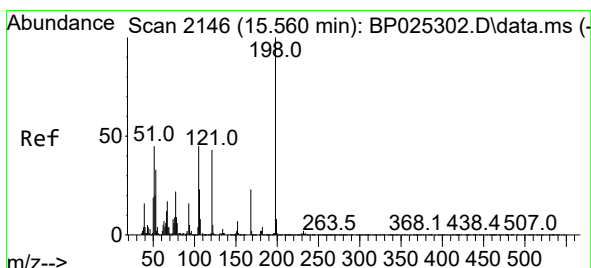
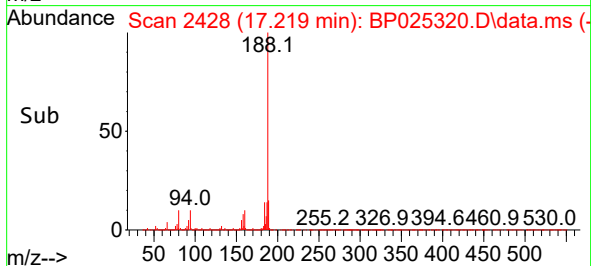
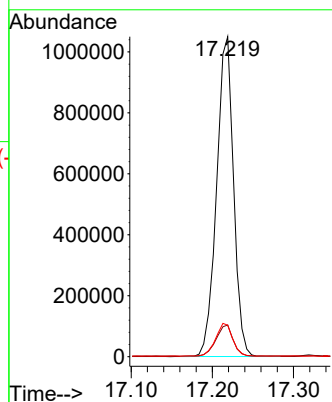
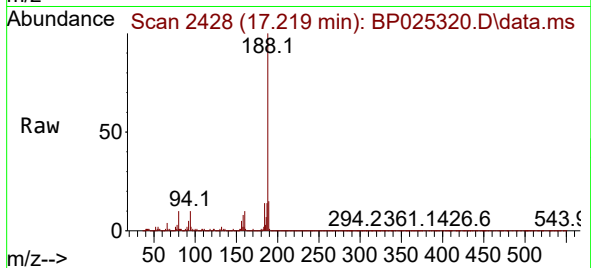
Tgt Ion:188 Resp: 1524689

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

80 9.8 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.877 ng

RT: 15.531 min Scan# 2141

Delta R.T. -0.029 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

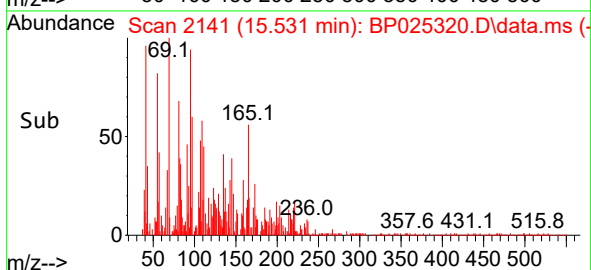
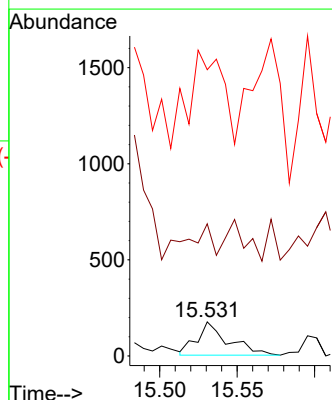
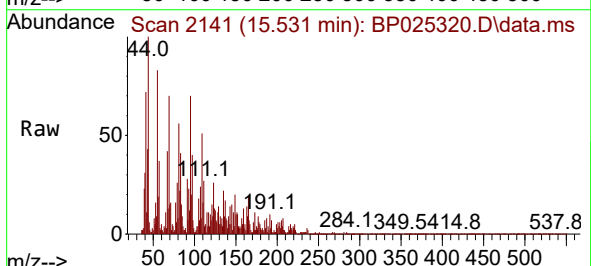
Tgt Ion:198 Resp: 242

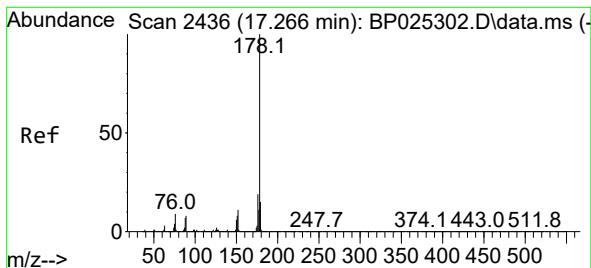
Ion Ratio Lower Upper

198 100

51 388.7 26.7 66.7#

105 841.2 25.6 65.6#





#71

Phenanthrene

Concen: 20.997 ng

RT: 17.260 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

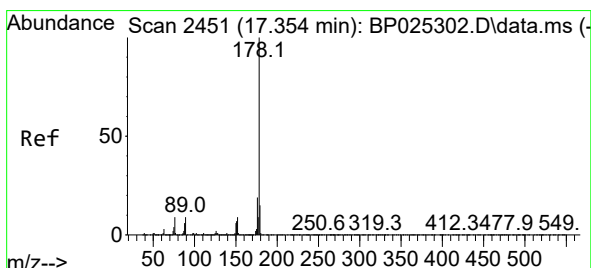
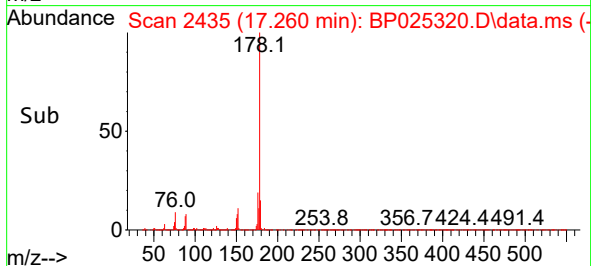
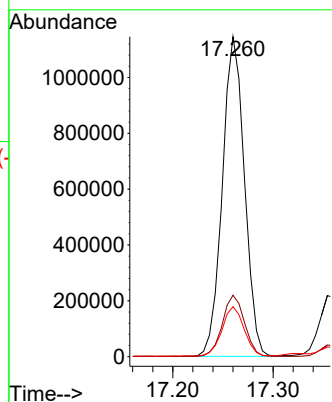
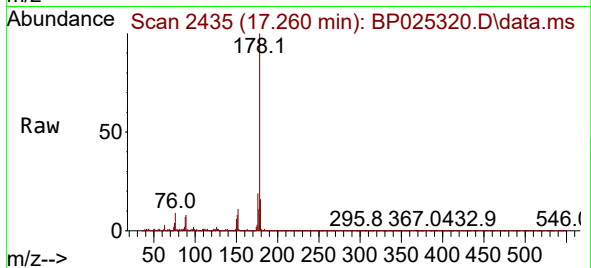
Tgt Ion:178 Resp: 1753413

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.6 12.1 18.1



#72

Anthracene

Concen: 3.760 ng

RT: 17.354 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

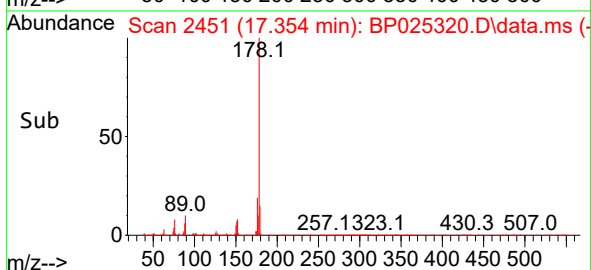
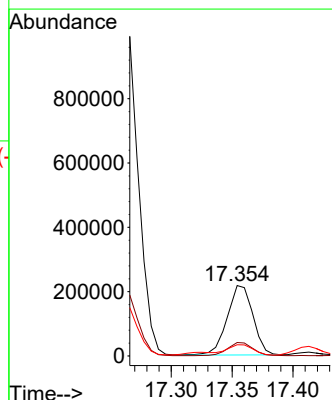
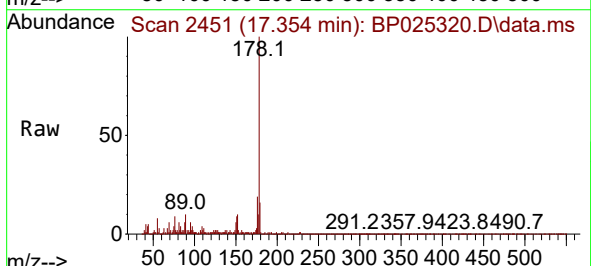
Tgt Ion:178 Resp: 316588

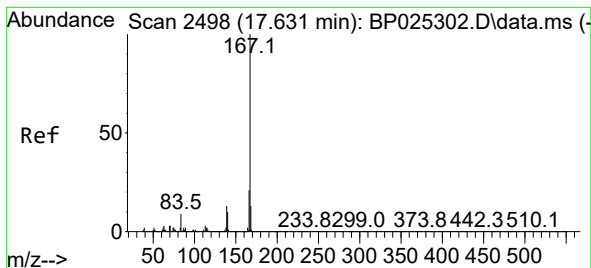
Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

179 15.9 12.3 18.5





#73

Carbazole

Concen: 2.576 ng

RT: 17.625 min Scan# 2498

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

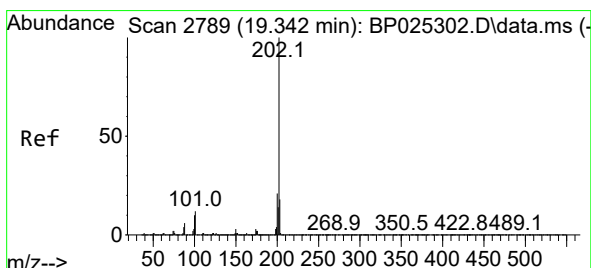
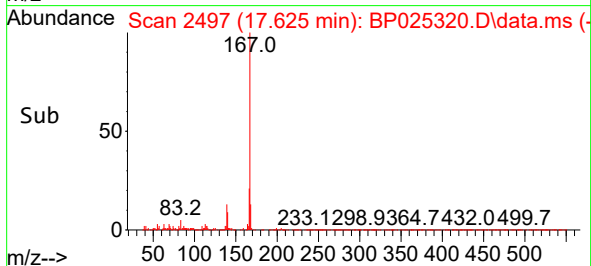
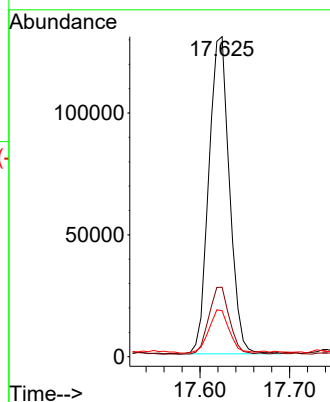
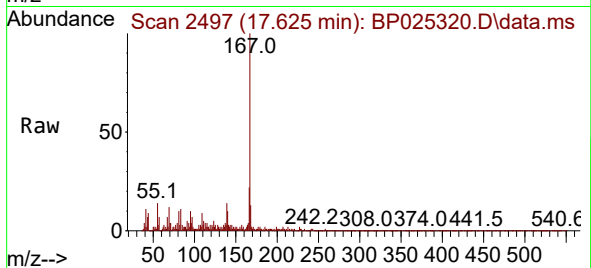
Tgt Ion:167 Resp: 208250

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 14.4 10.6 16.0



#75

Fluoranthene

Concen: 42.741 ng

RT: 19.336 min Scan# 2788

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

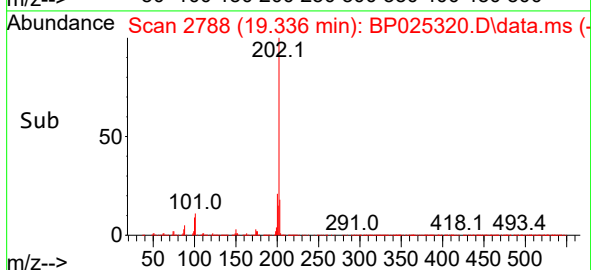
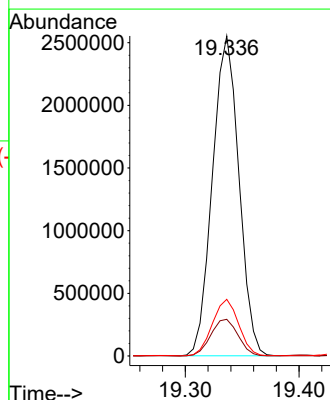
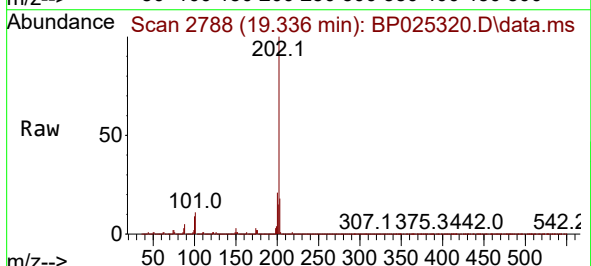
Tgt Ion:202 Resp: 4131908

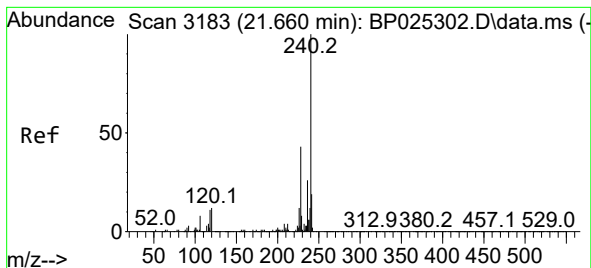
Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

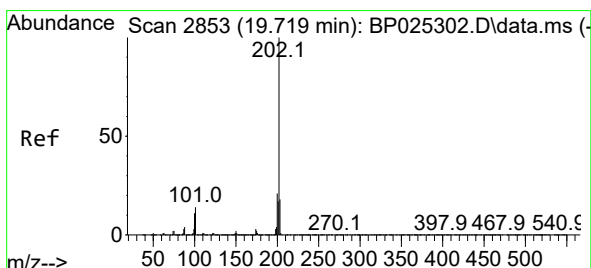
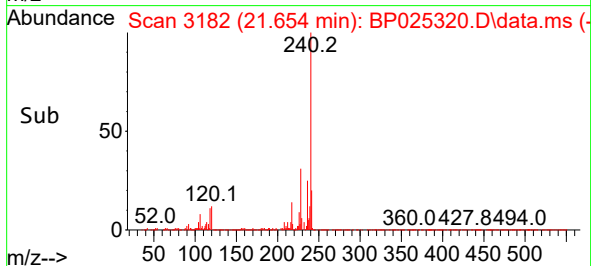
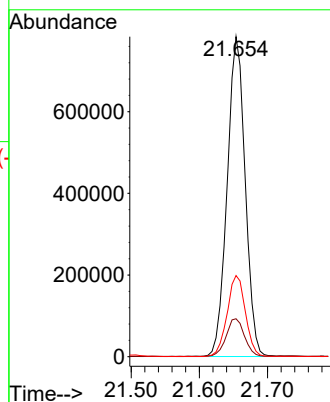
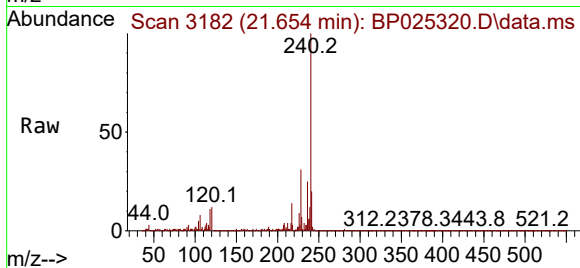
Tgt Ion:240 Resp: 1441167

Ion Ratio Lower Upper

240 100

120 11.9 9.6 14.4

236 25.3 20.4 30.6



#78

Pyrene

Concen: 36.210 ng

RT: 19.707 min Scan# 2851

Delta R.T. -0.012 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

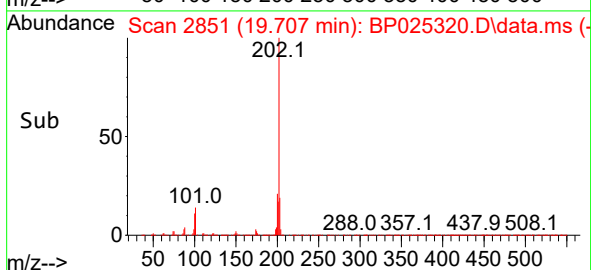
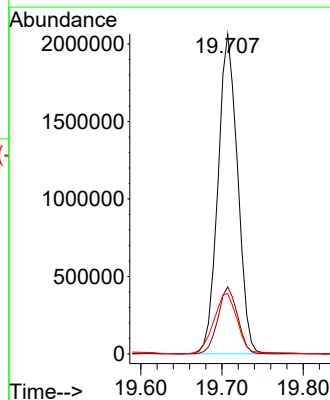
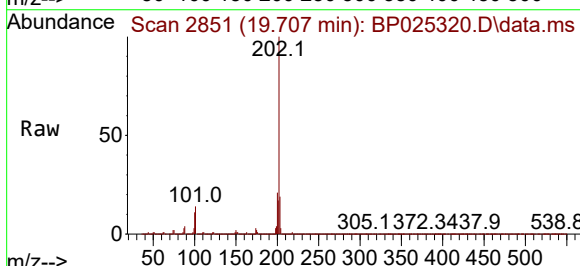
Tgt Ion:202 Resp: 3470215

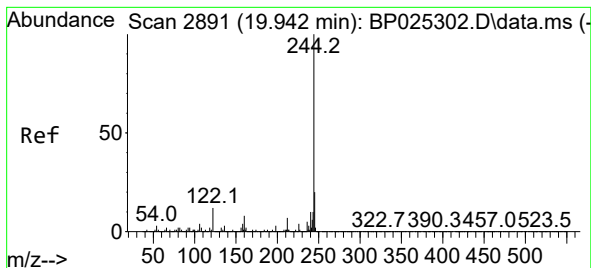
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.9 14.1 21.1





#79

Terphenyl-d14

Concen: 2.130 ng

RT: 19.936 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

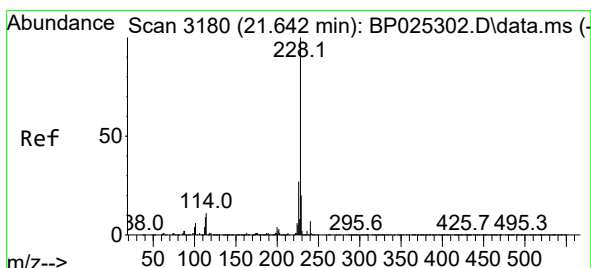
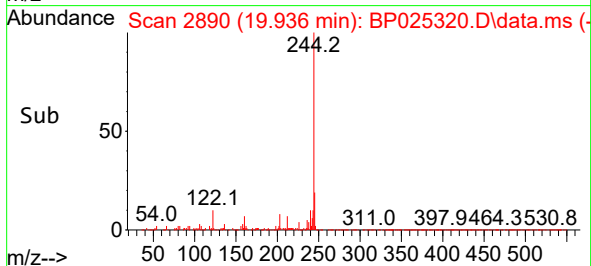
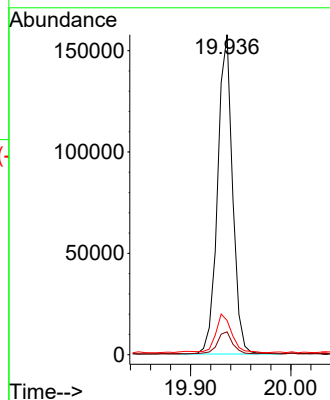
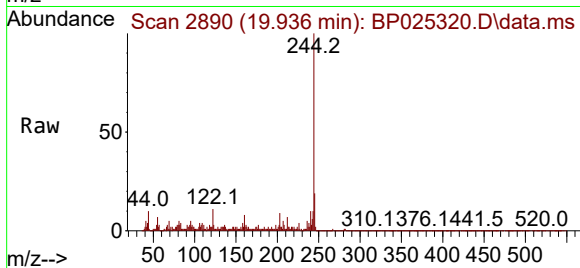
Tgt Ion:244 Resp: 162552

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.7 9.5 14.3



#81

Benzo(a)anthracene

Concen: 17.619 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

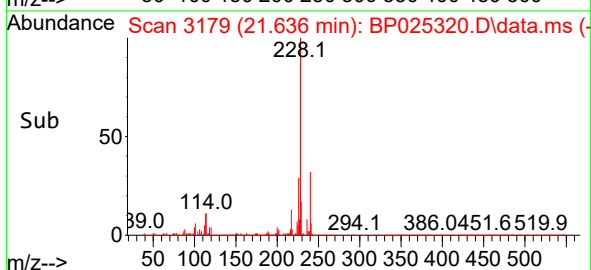
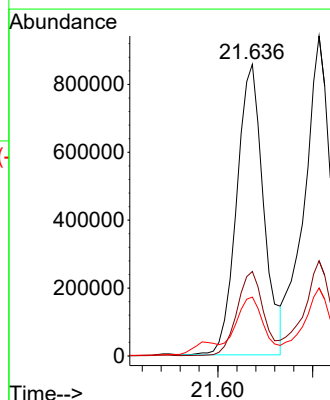
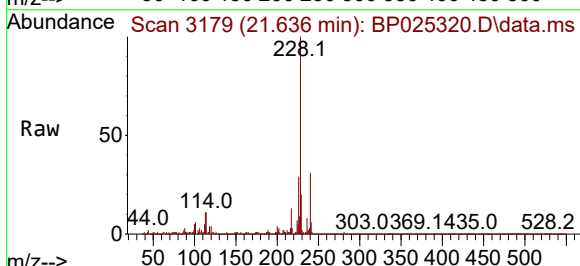
Tgt Ion:228 Resp: 1687410

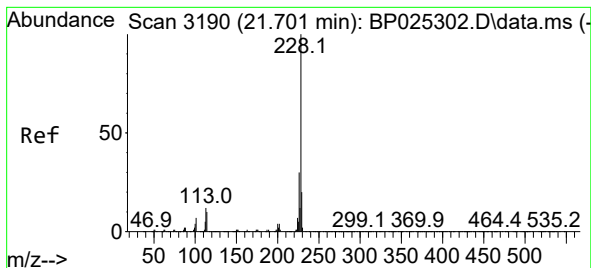
Ion Ratio Lower Upper

228 100

226 28.9 21.8 32.8

229 20.2 16.0 24.0





#83

Chrysene

Concen: 20.465 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

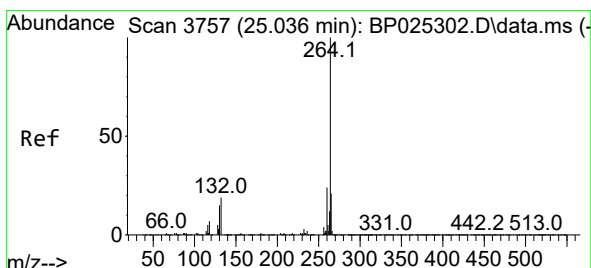
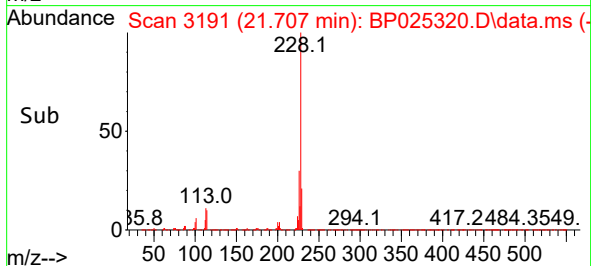
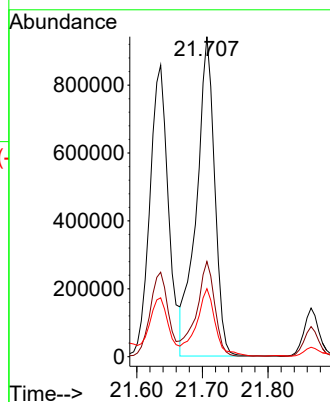
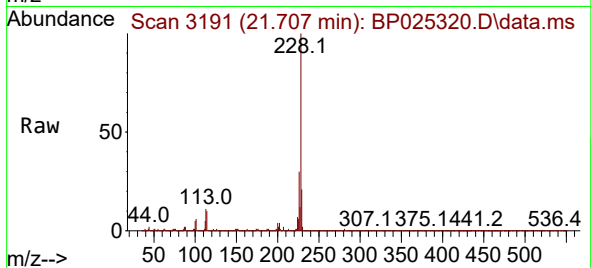
Tgt Ion:228 Resp: 1817831

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 21.3 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.036 min Scan# 3757

Delta R.T. 0.000 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

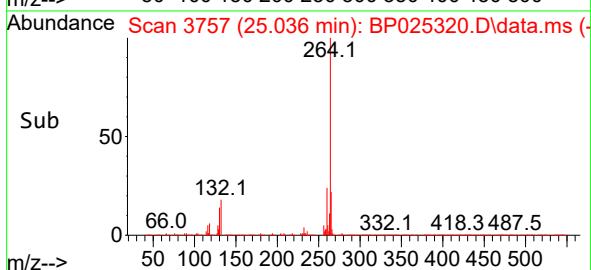
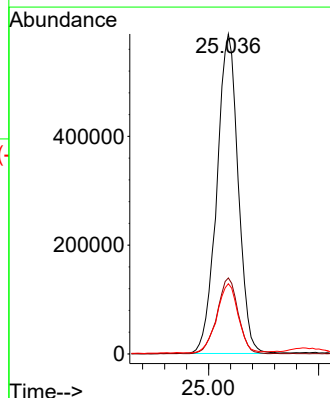
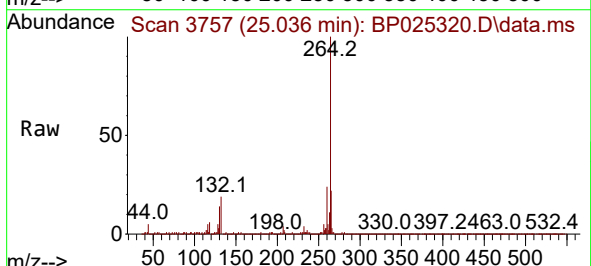
Tgt Ion:264 Resp: 1583716

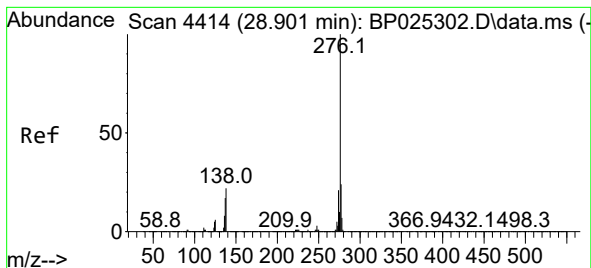
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.476 ng

RT: 28.877 min Scan# 4414

Delta R.T. -0.024 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

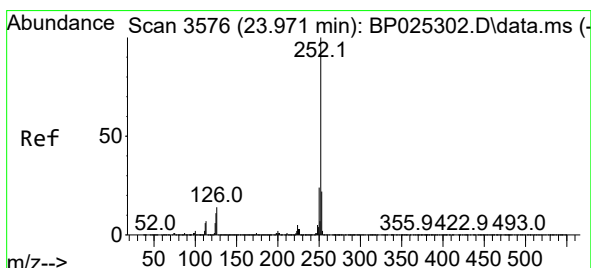
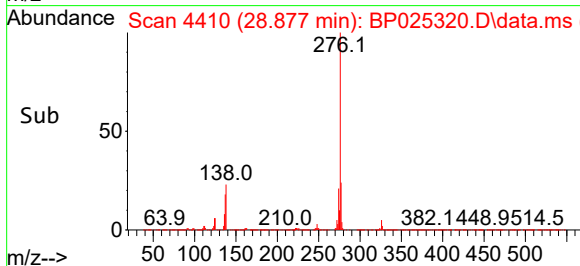
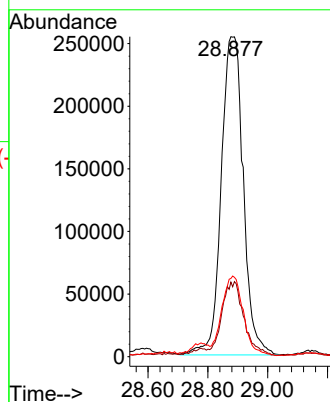
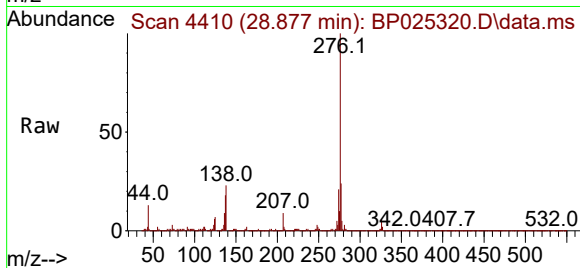
Tgt Ion:276 Resp: 1302709

Ion Ratio Lower Upper

276 100

138 22.9 14.6 22.0#

277 24.4 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 25.988 ng

RT: 23.977 min Scan# 3577

Delta R.T. 0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

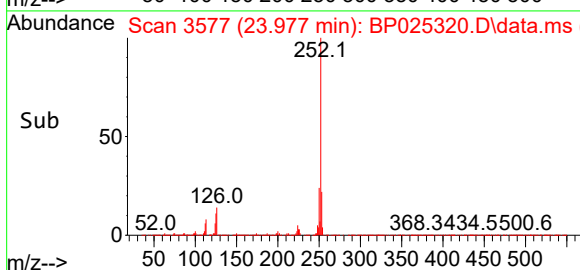
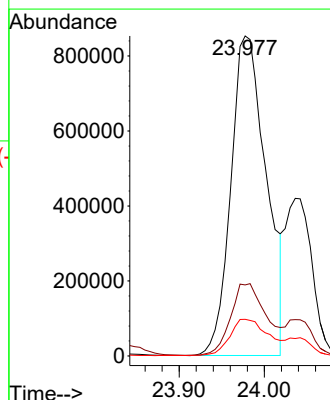
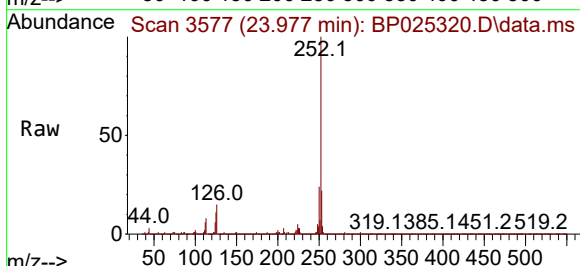
Tgt Ion:252 Resp: 2463774

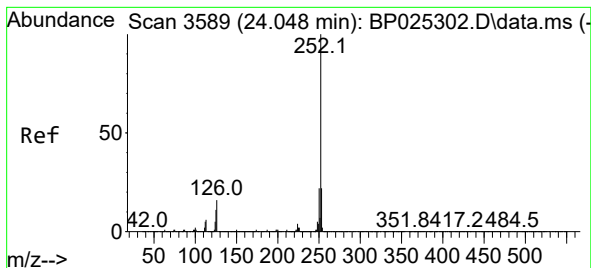
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.5 8.5 12.7





#89

Benzo(k)fluoranthene

Concen: 8.315 ng

RT: 24.036 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

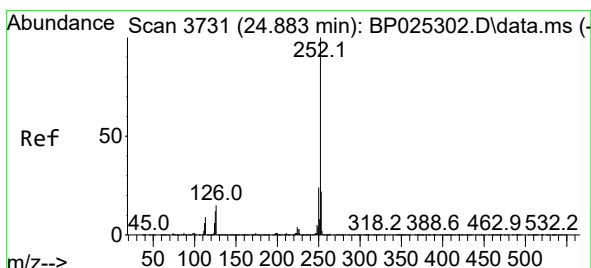
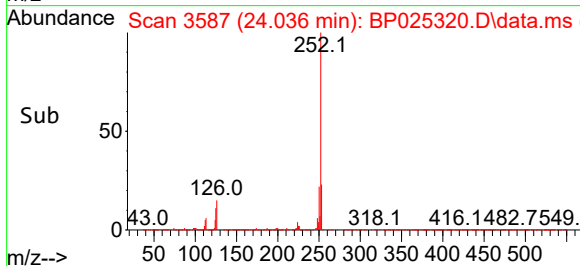
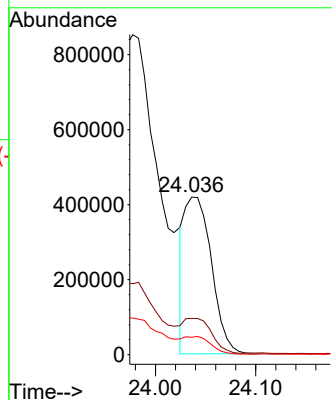
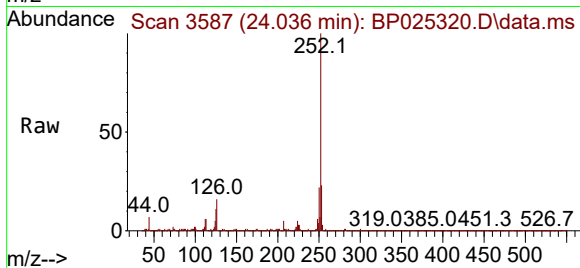
Tgt Ion:252 Resp: 781485

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.0 8.5 12.7



#90

Benzo(a)pyrene

Concen: 17.778 ng

RT: 24.877 min Scan# 3730

Delta R.T. -0.006 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

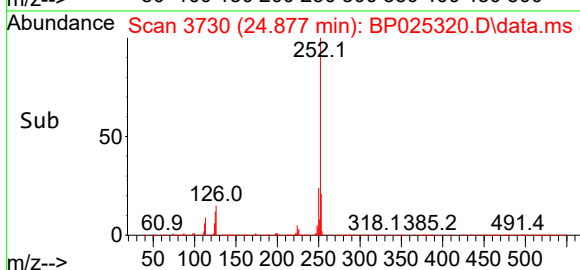
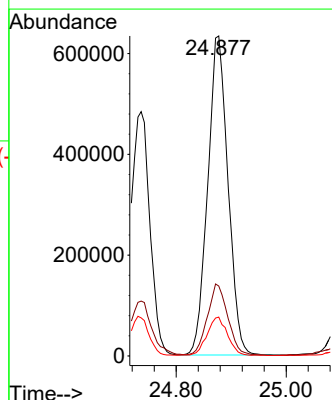
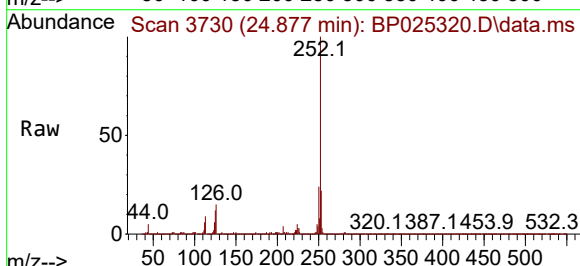
Tgt Ion:252 Resp: 1623137

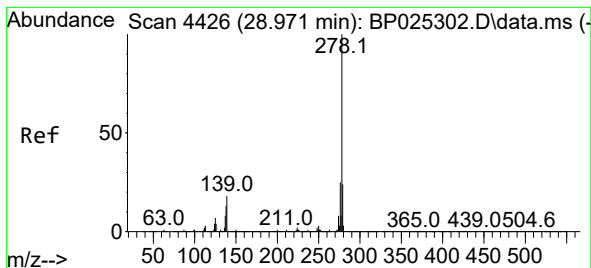
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 12.1 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 3.110 ng

RT: 28.942 min Scan# 4426

Delta R.T. -0.029 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Instrument :

BNA_P

ClientSampleId :

254DL

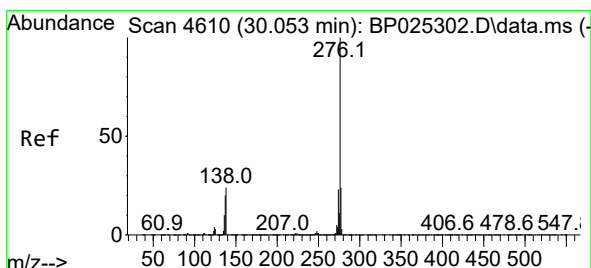
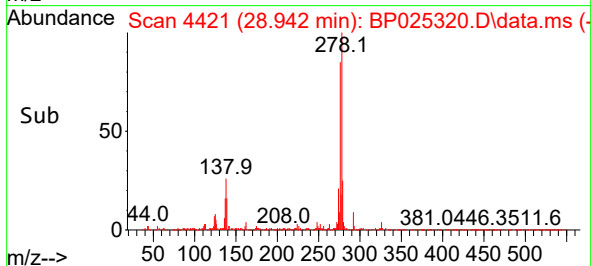
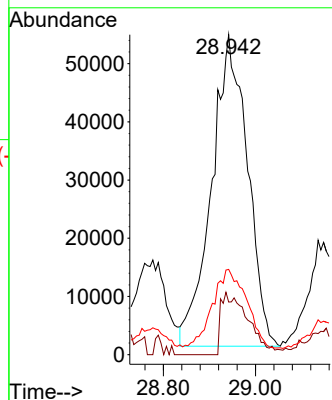
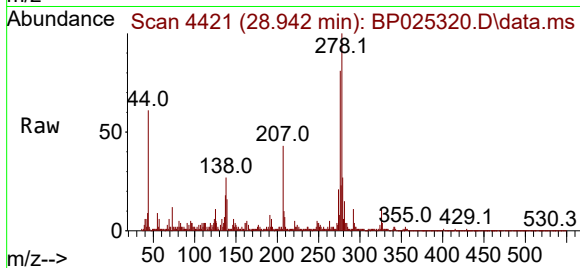
Tgt Ion:278 Resp: 289089

Ion Ratio Lower Upper

278 100

139 16.5 14.6 22.0

279 26.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 13.382 ng

RT: 30.065 min Scan# 4612

Delta R.T. 0.012 min

Lab File: BP025320.D

Acq: 07 Aug 2025 19:15

Tgt Ion:276 Resp: 1220963

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 23.5 19.1 28.7

