

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025318.D
 Acq On : 07 Aug 2025 17:53
 Operator : CG/JU
 Sample : Q2774-11DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 224DL

Quant Time: Aug 07 18:11:33 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)

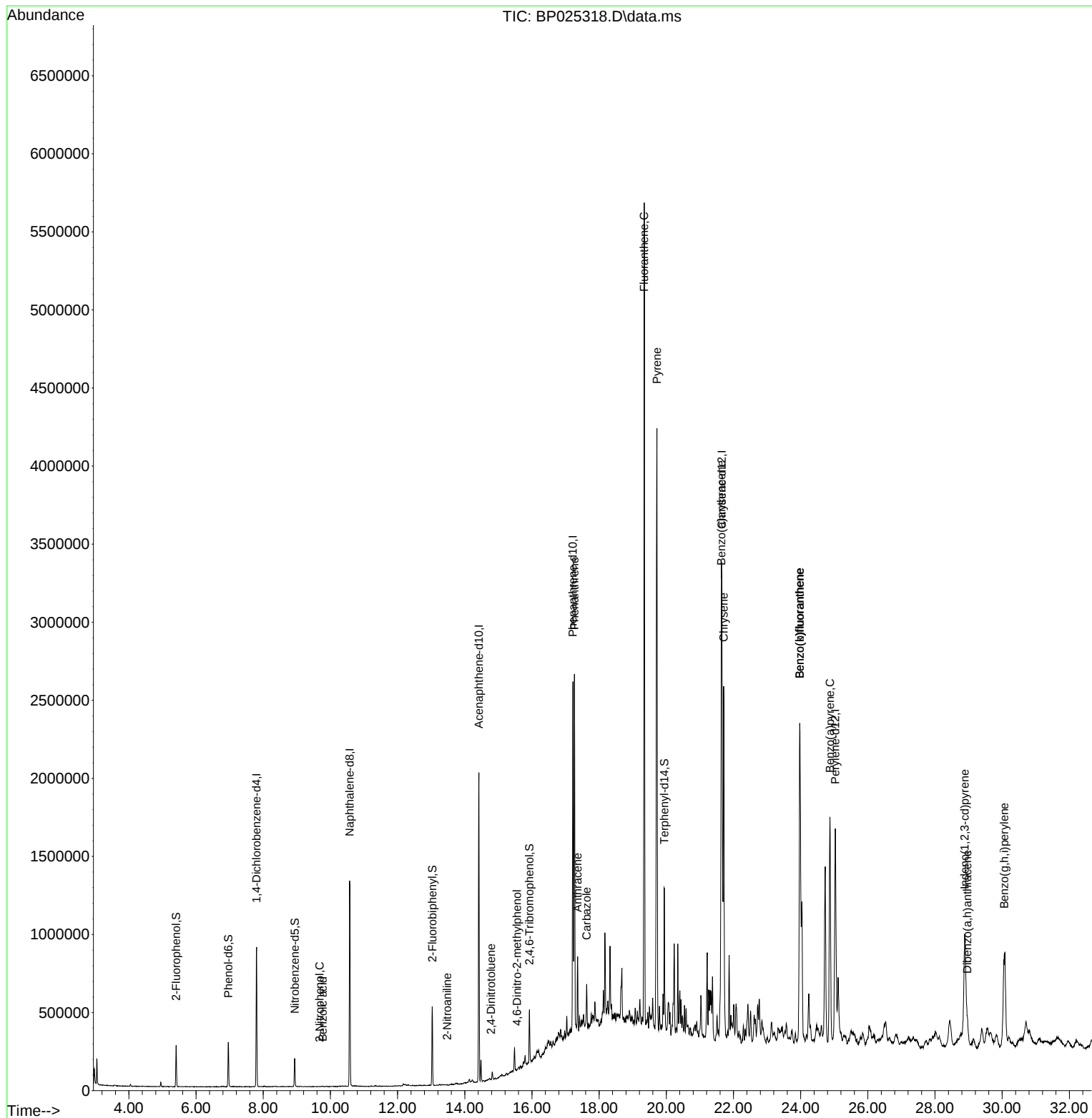
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	250376	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1080260	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	688456	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1331517	20.000	ng	0.00
76) Chrysene-d12	21.654	240	1314117	20.000	ng	0.00
86) Perylene-d12	25.030	264	1443865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	120275	7.726	ng	0.00
7) Phenol-d6	6.961	99	163466	7.979	ng	0.00
23) Nitrobenzene-d5	8.937	82	97440	4.997	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	59701	8.692	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	260502	5.226	ng	0.00
79) Terphenyl-d14	19.942	244	374347	5.380	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.678	139	60	3.645	ng	# 1
32) Benzoic acid	9.772	122	1535	6.125	ng	89
48) 2-Nitroaniline	13.478	65	374	2.995	ng	# 63
57) 2,4-Dinitrotoluene	14.784	165	365	3.279	ng	# 60
65) 4,6-Dinitro-2-methylph...	15.554	198	36	4.842	ng	# 1
71) Phenanthrene	17.266	178	1530895	20.992	ng	99
72) Anthracene	17.360	178	295597	4.020	ng	98
73) Carbazole	17.631	167	180377	2.555	ng	99
75) Fluoranthene	19.342	202	3518070	41.671	ng	99
78) Pyrene	19.719	202	2920627	33.422	ng	99
81) Benzo(a)anthracene	21.636	228	1437856	16.465	ng	99
83) Chrysene	21.707	228	1613687	19.923	ng	98
87) Indeno(1,2,3-cd)pyrene	28.883	276	1168749	11.293	ng	# 92
88) Benzo(b)fluoranthene	23.971	252	2194991	25.395	ng	99
89) Benzo(k)fluoranthene	23.971	252	2194991	25.618	ng	99
90) Benzo(a)pyrene	24.871	252	1472834	17.695	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	255575	3.015	ng	96
92) Benzo(g,h,i)perylene	30.065	276	1129846	13.583	ng	99

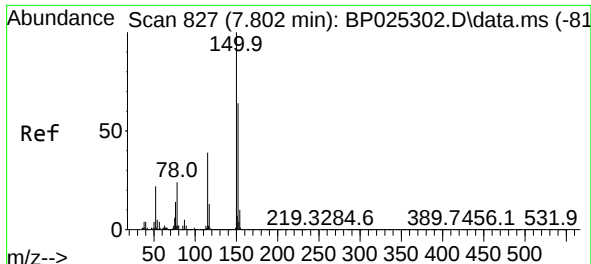
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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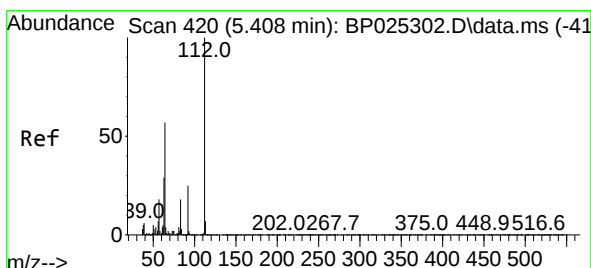
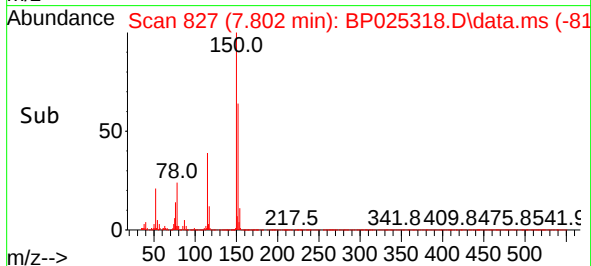
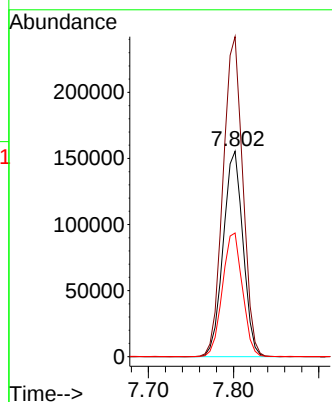
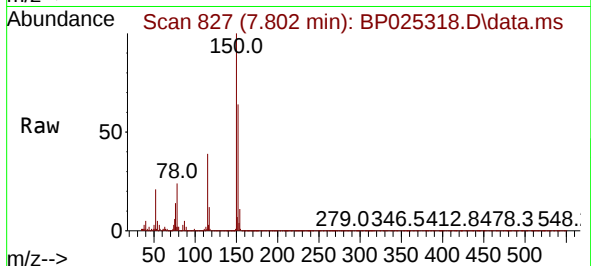




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.802 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

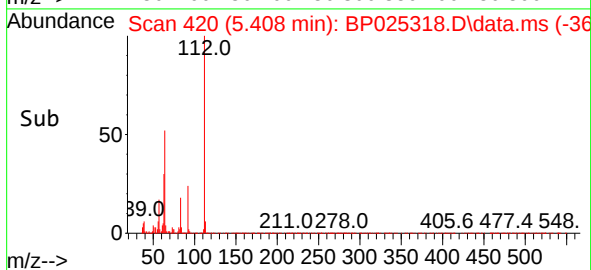
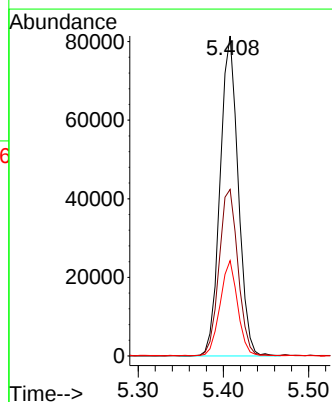
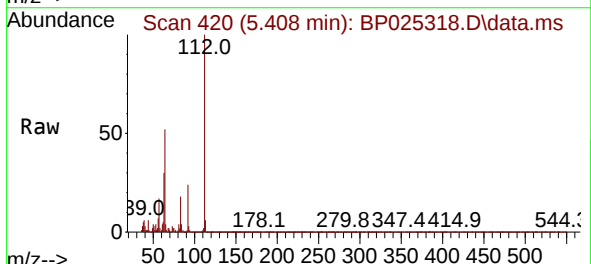
Instrument :
 BNA_P
 ClientSampleId :
 224DL

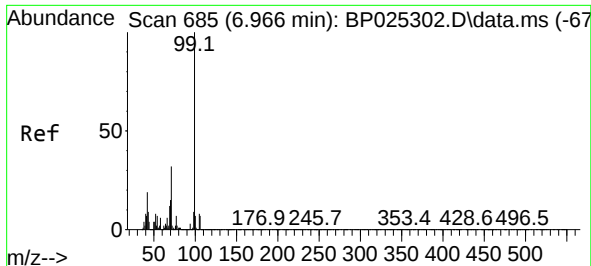
Tgt Ion:152 Resp: 250376
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.1 187.7
 115 60.2 48.4 72.6



#5
 2-Fluorophenol
 Concen: 7.726 ng
 RT: 5.408 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

Tgt Ion:112 Resp: 120275
 Ion Ratio Lower Upper
 112 100
 64 52.1 45.3 67.9
 63 29.8 23.0 34.6

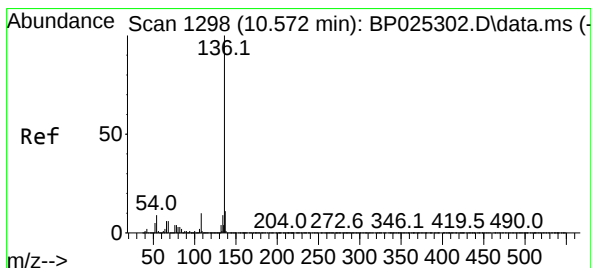
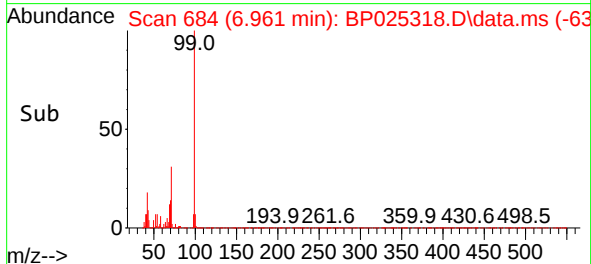
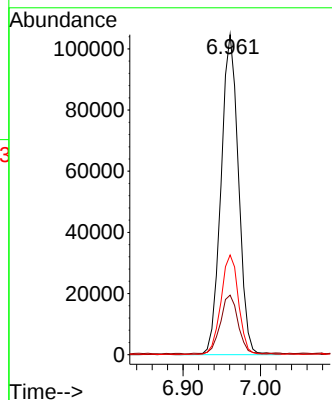
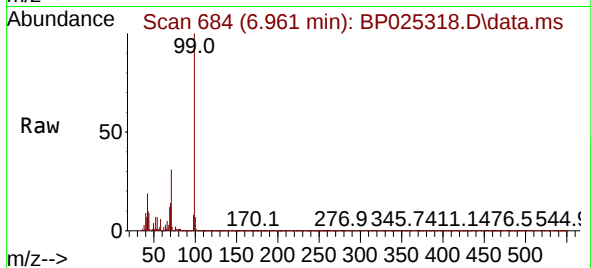




#7
Phenol-d6
Concen: 7.979 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

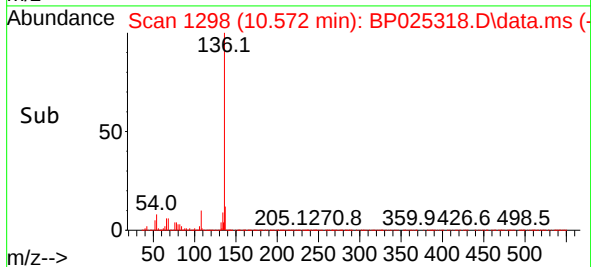
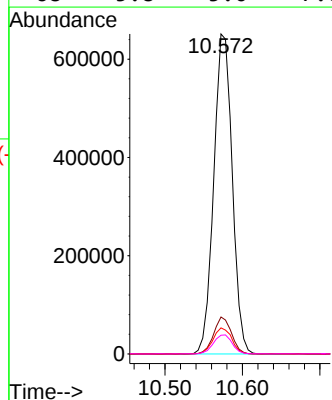
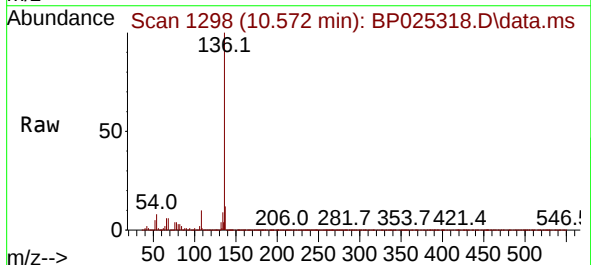
Instrument :
BNA_P
ClientSampleId :
224DL

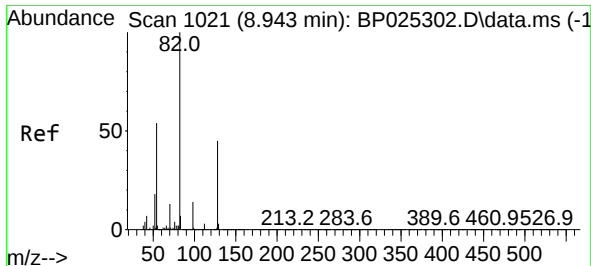
Tgt Ion: 99 Resp: 163466
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.6
71 31.2 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion: 136 Resp: 1080260
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.2 7.0 10.6
68 5.8 5.0 7.6

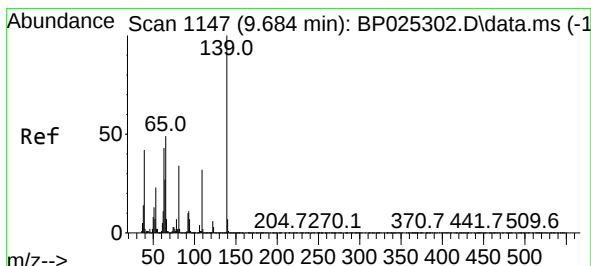
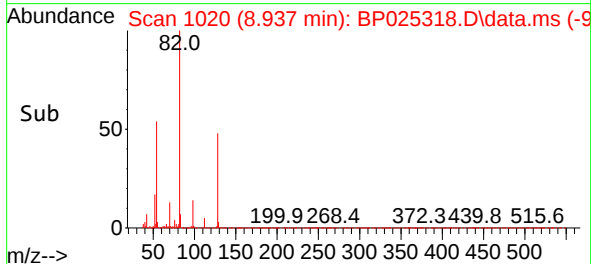
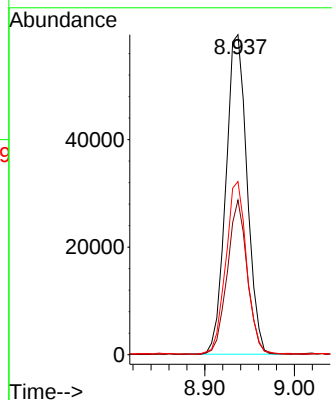
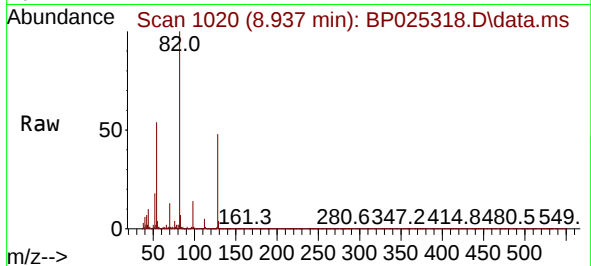




#23
Nitrobenzene-d5
Concen: 4.997 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

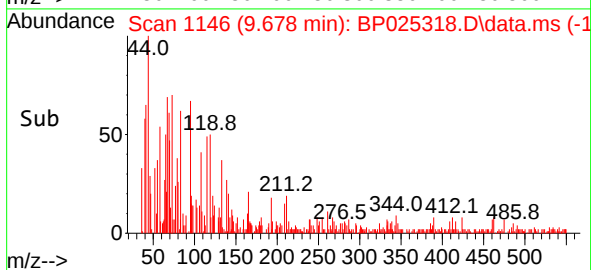
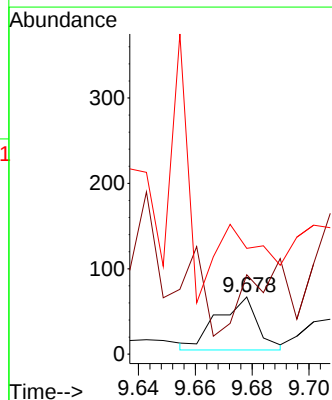
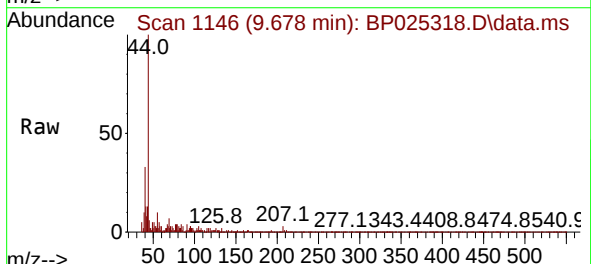
Instrument :
BNA_P
ClientSampleId :
224DL

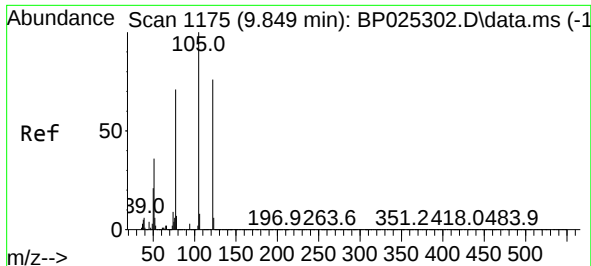
Tgt Ion: 82 Resp: 97440
Ion Ratio Lower Upper
82 100
128 48.3 35.4 53.2
54 54.1 42.9 64.3



#26
2-Nitrophenol
Concen: 3.645 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion: 139 Resp: 60
Ion Ratio Lower Upper
139 100
109 138.8 25.2 37.8#
65 185.1 39.6 59.4#

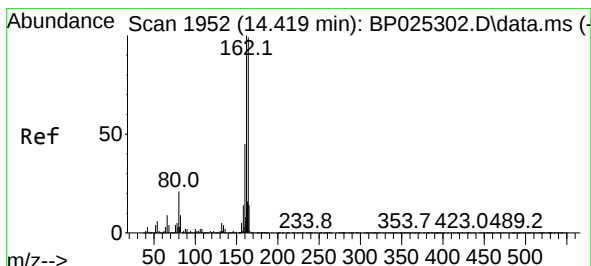
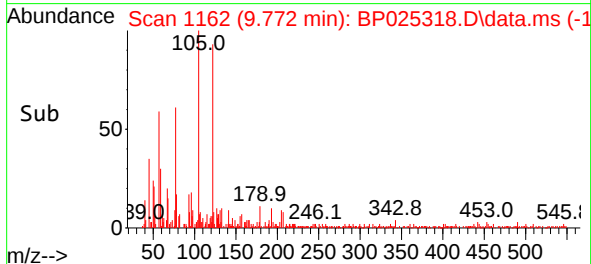
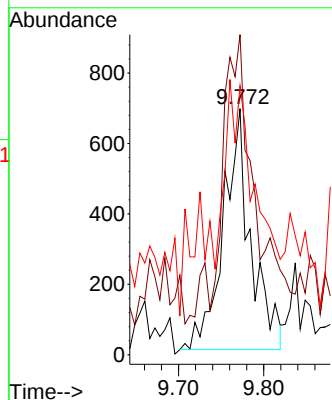
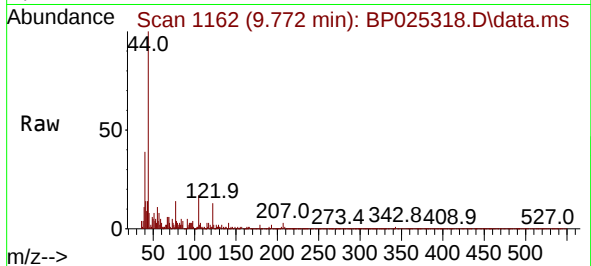




#32
Benzoic acid
Concen: 6.125 ng
RT: 9.772 min Scan# 1162
Delta R.T. -0.077 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

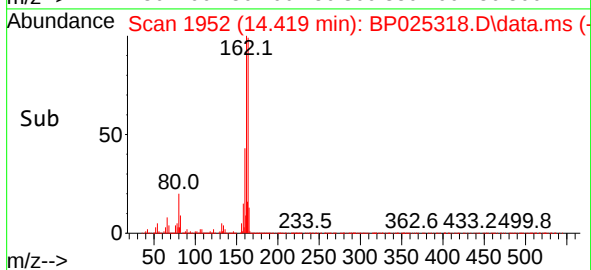
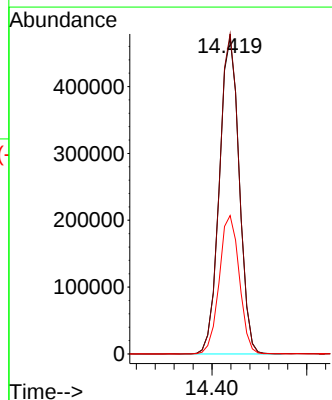
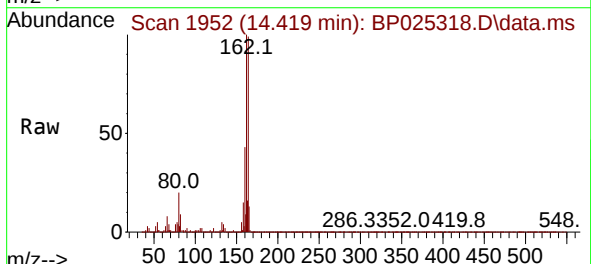
Instrument :
BNA_P
ClientSampleId :
224DL

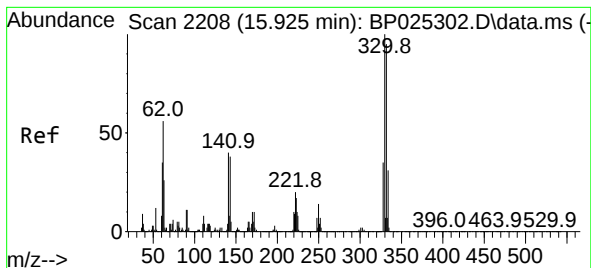
Tgt Ion:	122	Resp:	1535
Ion	Ratio	Lower	Upper
122	100		
105	130.0	104.0	144.0
77	109.3	71.8	111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion:	164	Resp:	688456
Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	43.8	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 8.692 ng

RT: 15.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

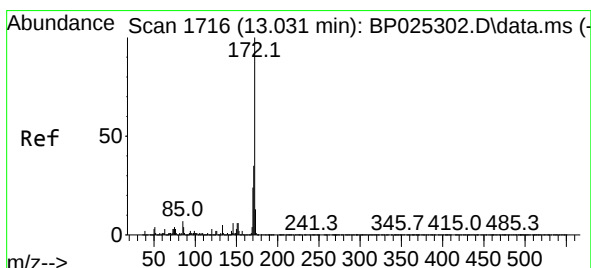
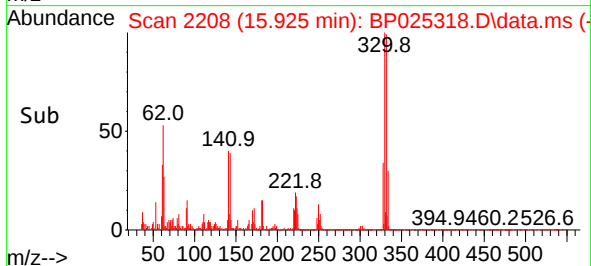
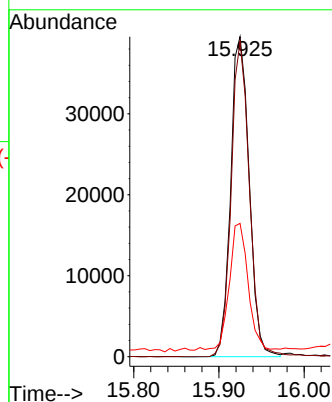
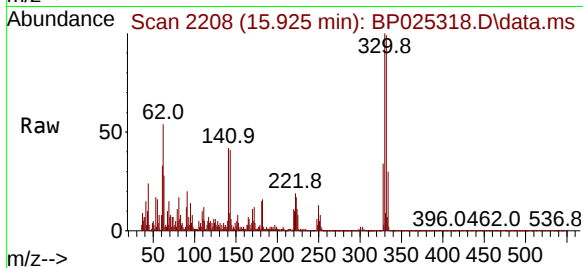
Tgt Ion:330 Resp: 59701

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 39.8 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 5.226 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

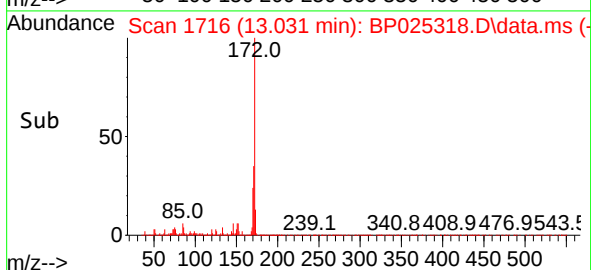
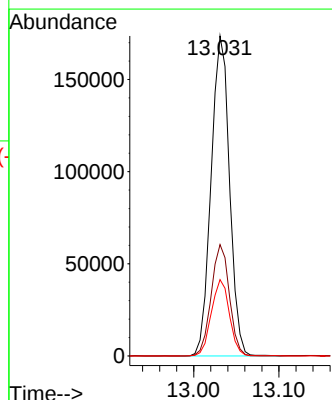
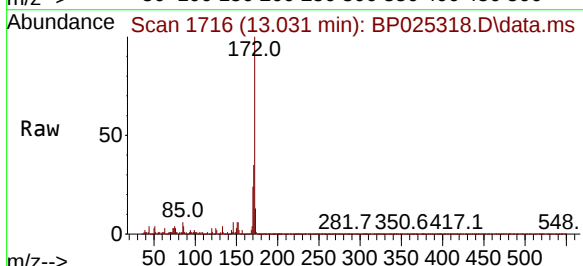
Tgt Ion:172 Resp: 260502

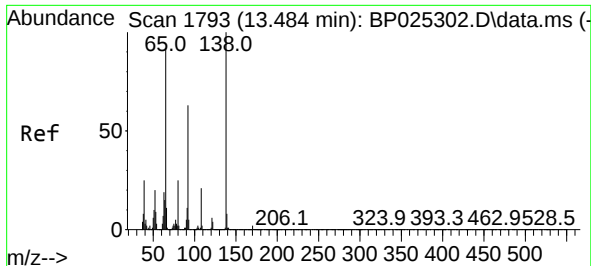
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 23.9 18.9 28.3

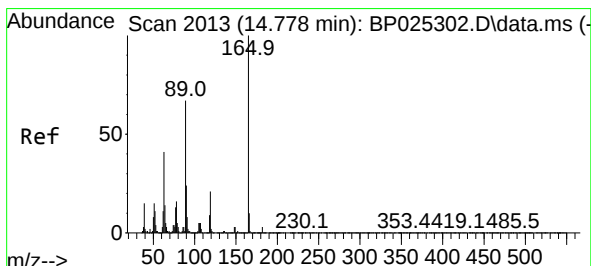
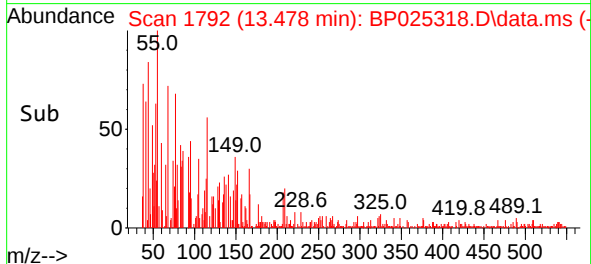
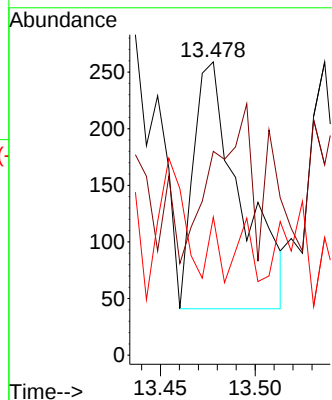
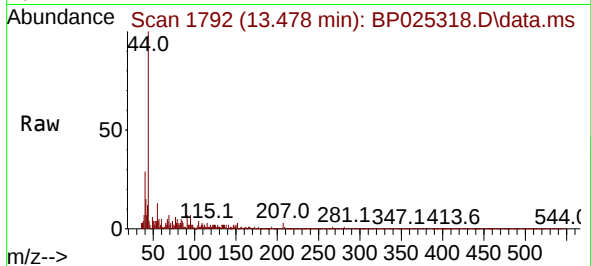




#48
2-Nitroaniline
Concen: 2.995 ng
RT: 13.478 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

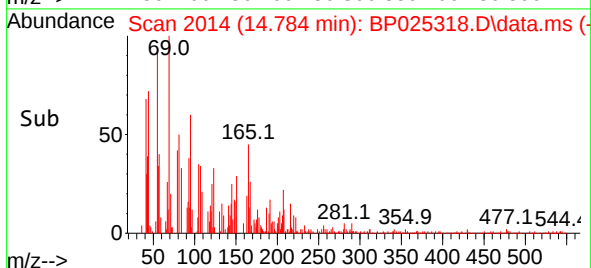
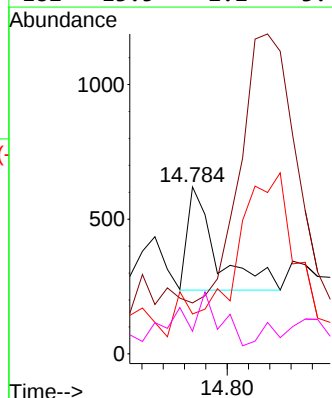
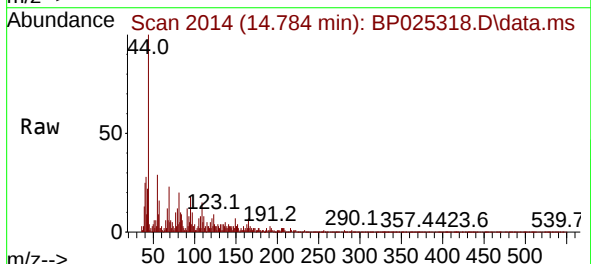
Instrument :
BNA_P
ClientSampleId :
224DL

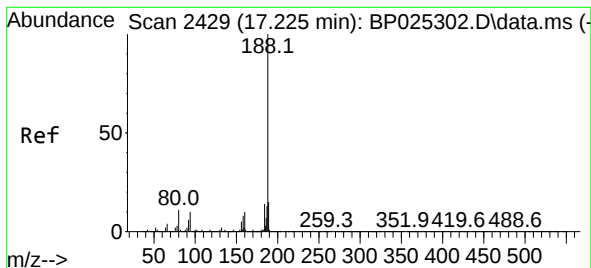
Tgt Ion: 65 Resp: 374
Ion Ratio Lower Upper
65 100
92 69.5 54.4 81.6
138 47.1 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.279 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion: 165 Resp: 365
Ion Ratio Lower Upper
165 100
63 30.5 33.2 49.8#
89 23.9 53.5 80.3#
182 13.5 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

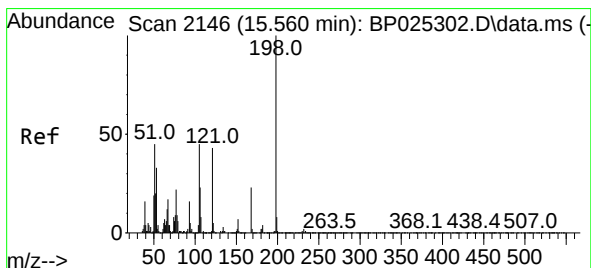
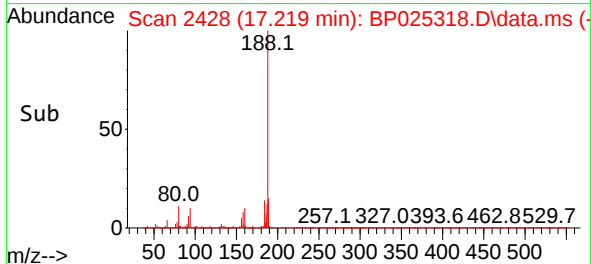
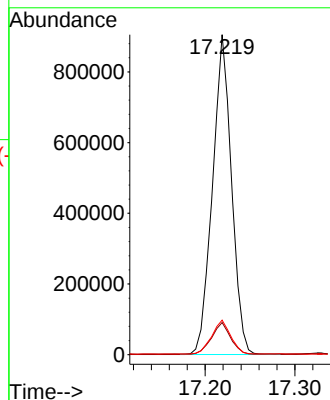
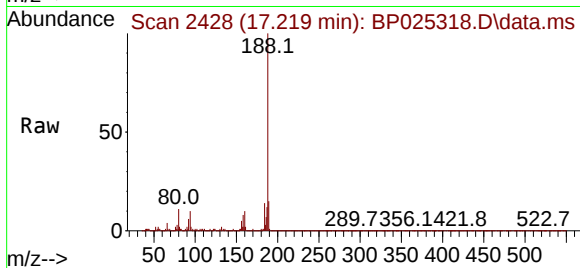
Tgt Ion:188 Resp: 1331517

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

80 10.8 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.842 ng

RT: 15.554 min Scan# 2145

Delta R.T. -0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

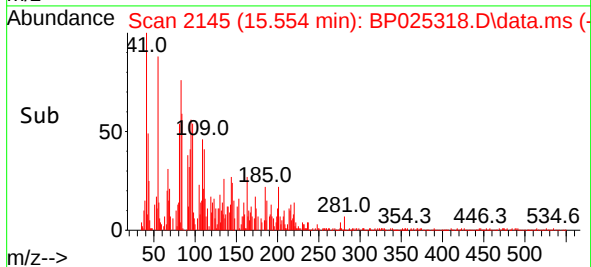
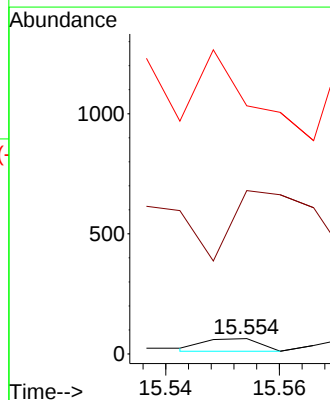
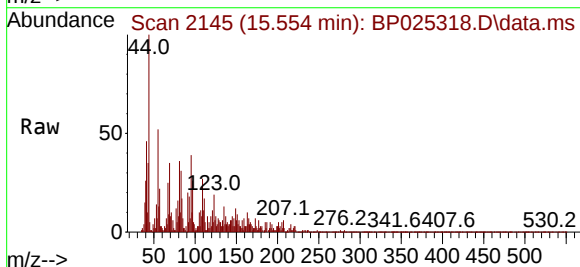
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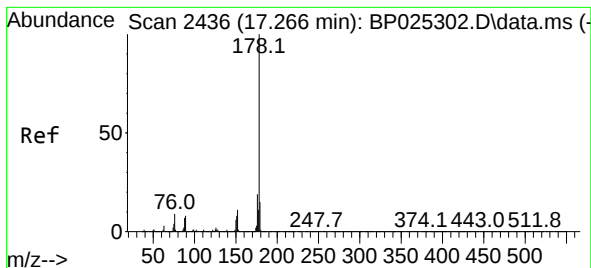
Ion Ratio Lower Upper

198 100

51 1062.5 26.7 66.7#

105 1614.1 25.6 65.6#





#71

Phenanthrene

Concen: 20.992 ng

RT: 17.266 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

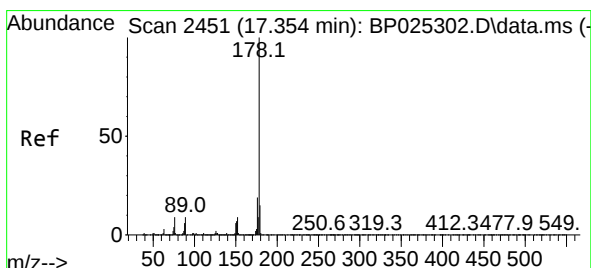
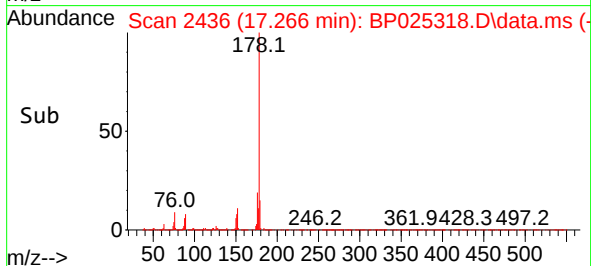
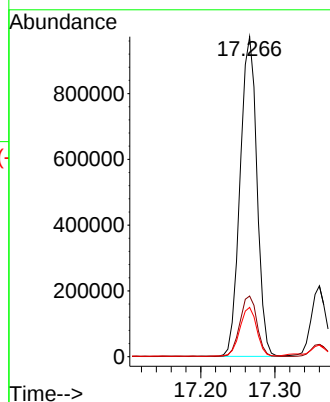
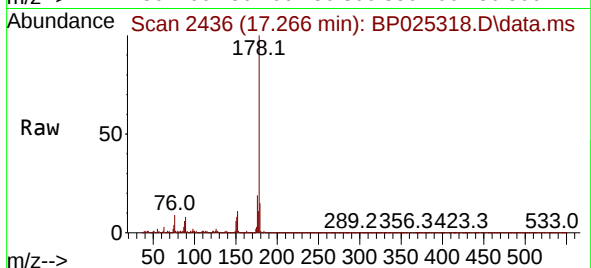
Tgt Ion:178 Resp: 1530895

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.4 12.1 18.1



#72

Anthracene

Concen: 4.020 ng

RT: 17.360 min Scan# 2452

Delta R.T. 0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

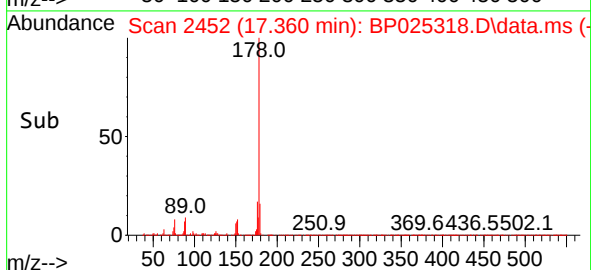
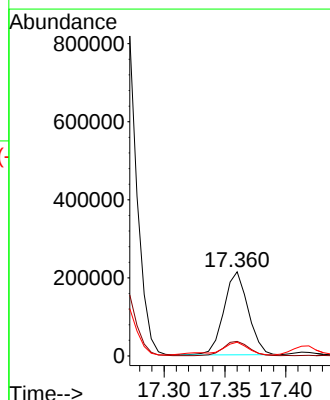
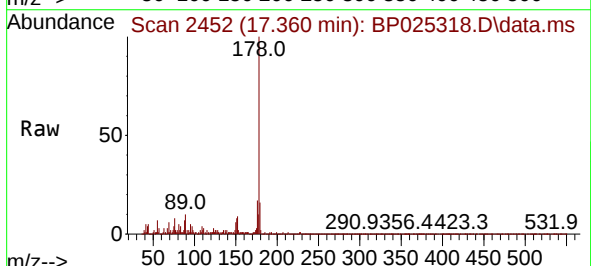
Tgt Ion:178 Resp: 295597

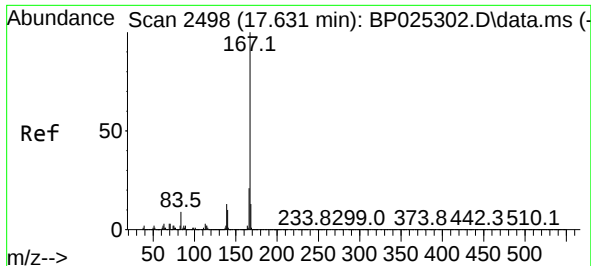
Ion Ratio Lower Upper

178 100

176 17.4 14.8 22.2

179 16.4 12.3 18.5

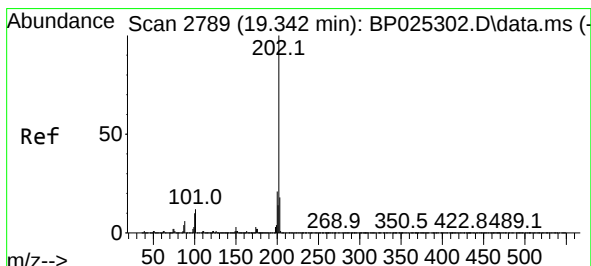
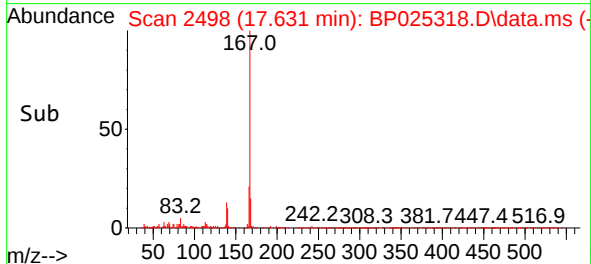
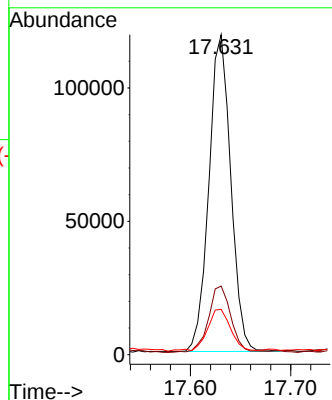
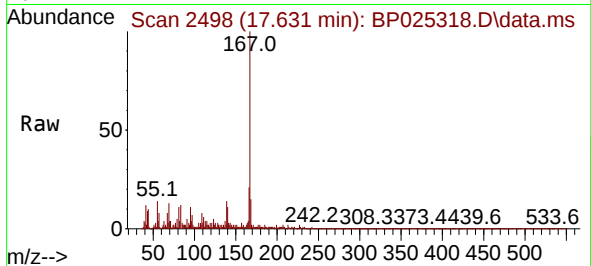




#73
 Carbazole
 Concen: 2.555 ng
 RT: 17.631 min Scan# 2498
 Delta R.T. -0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

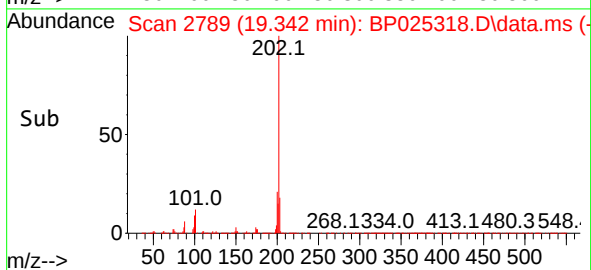
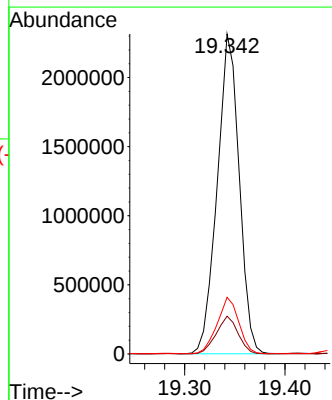
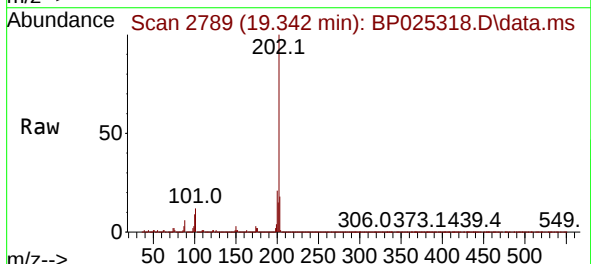
Instrument :
 BNA_P
 ClientSampleId :
 224DL

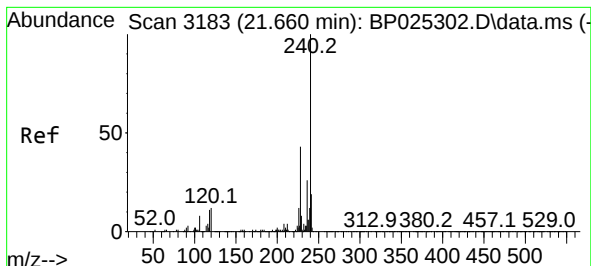
Tgt Ion:167 Resp: 180377
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 14.2 10.6 16.0



#75
 Fluoranthene
 Concen: 41.671 ng
 RT: 19.342 min Scan# 2789
 Delta R.T. 0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

Tgt Ion:202 Resp: 3518070
 Ion Ratio Lower Upper
 202 100
 101 11.8 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: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

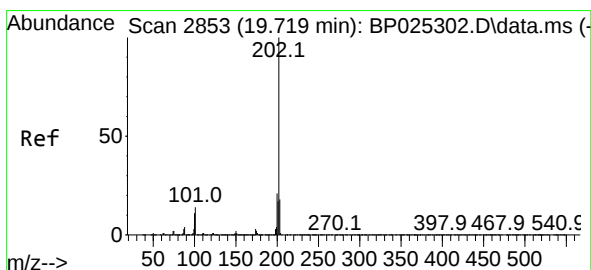
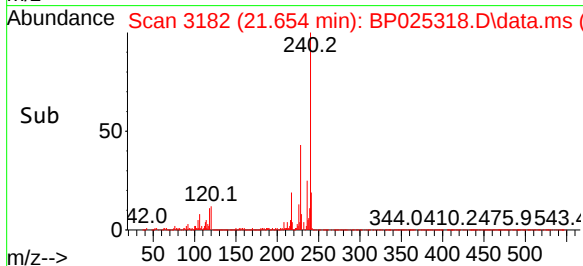
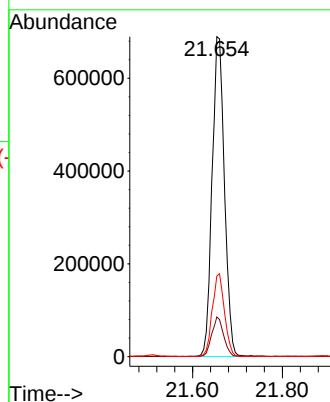
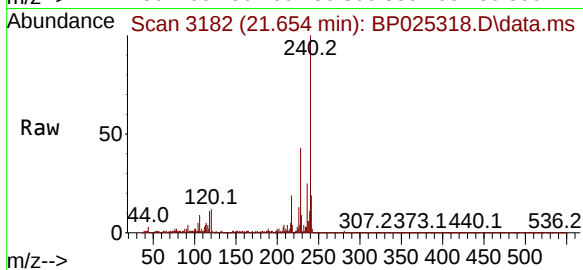
Tgt Ion:240 Resp: 1314117

Ion Ratio Lower Upper

240 100

120 12.4 9.6 14.4

236 25.2 20.4 30.6



#78

Pyrene

Concen: 33.422 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

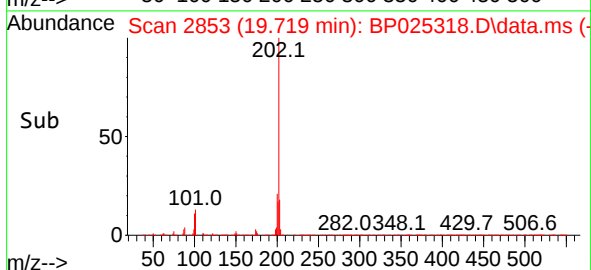
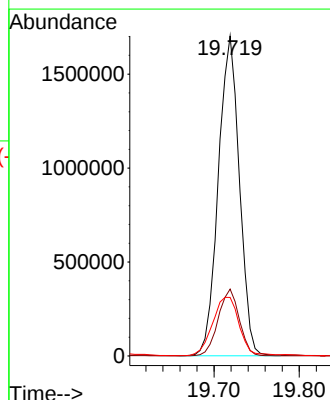
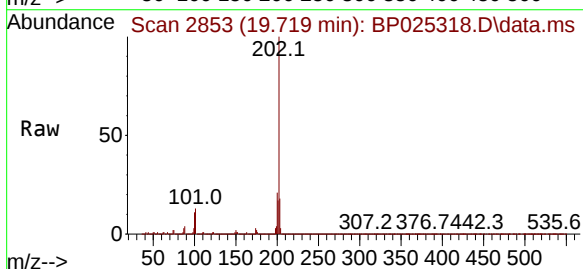
Tgt Ion:202 Resp: 2920627

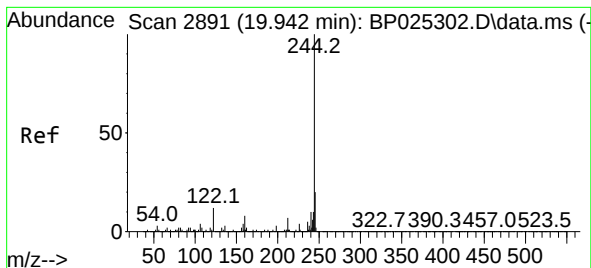
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 5.380 ng

RT: 19.942 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

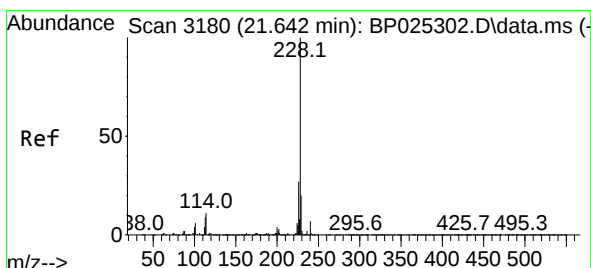
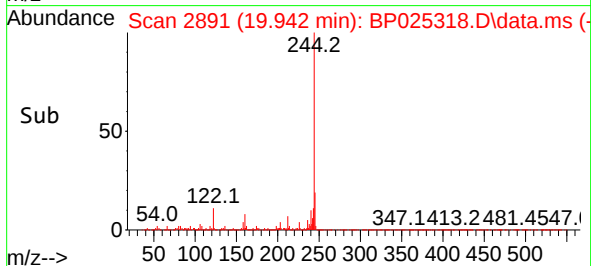
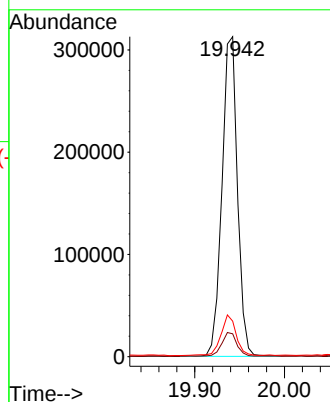
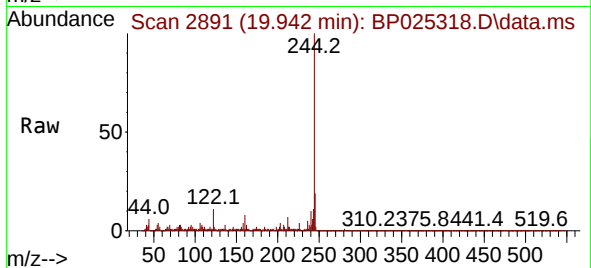
Tgt Ion:244 Resp: 374347

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 11.1 9.5 14.3



#81

Benzo(a)anthracene

Concen: 16.465 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

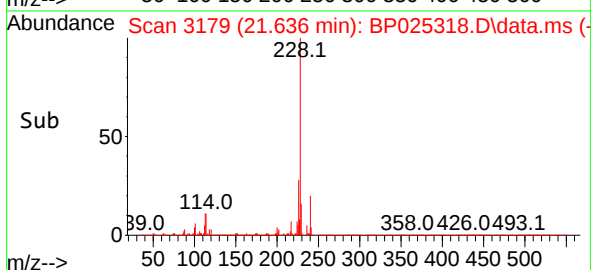
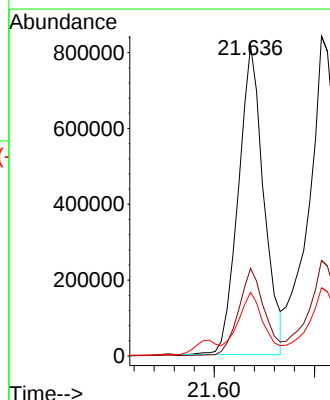
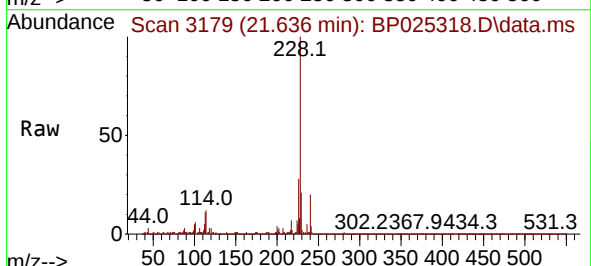
Tgt Ion:228 Resp: 1437856

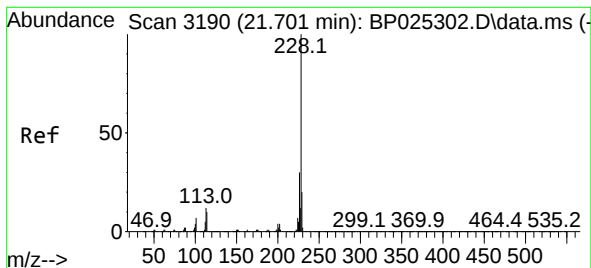
Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 20.5 16.0 24.0





#83

Chrysene

Concen: 19.923 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

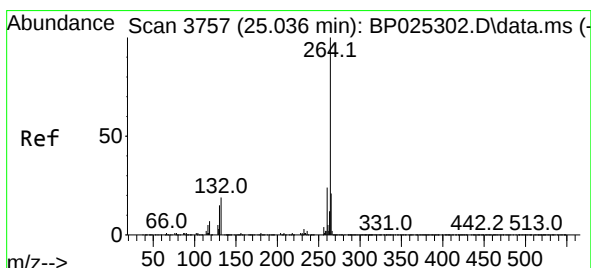
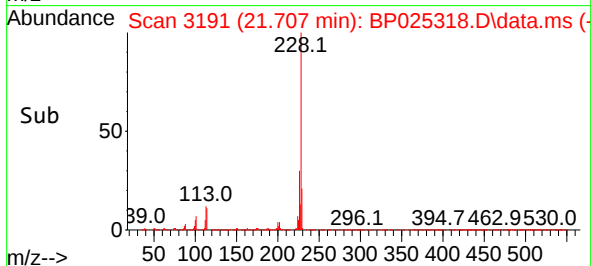
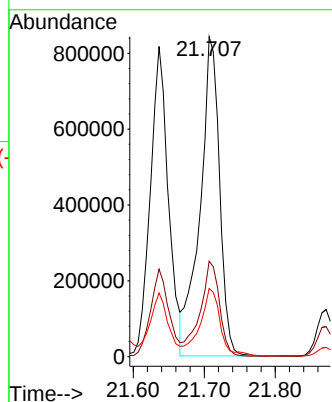
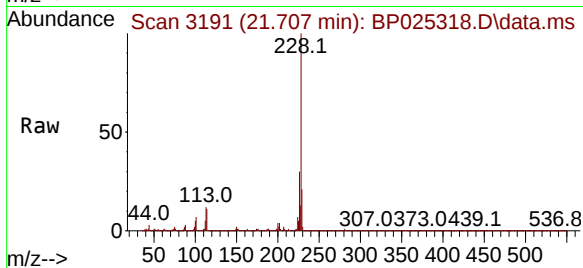
Tgt Ion:228 Resp: 1613687

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.3 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.030 min Scan# 3756

Delta R.T. -0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

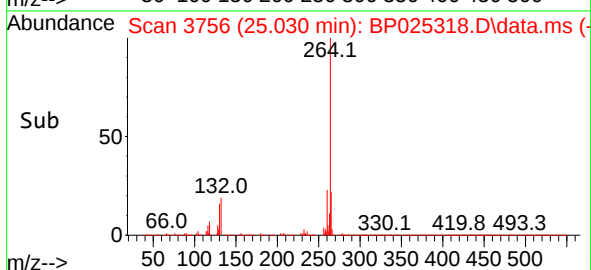
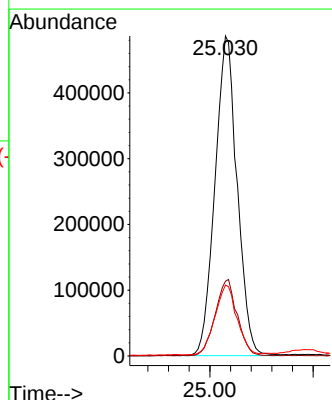
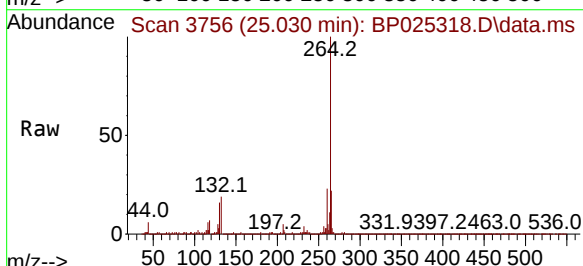
Tgt Ion:264 Resp: 1443865

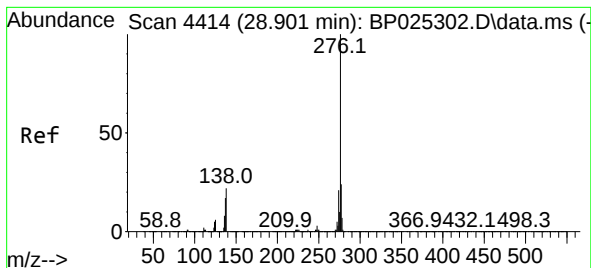
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.1 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.293 ng

RT: 28.883 min Scan# 4414

Delta R.T. -0.018 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

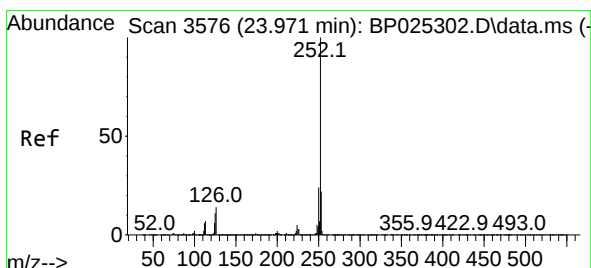
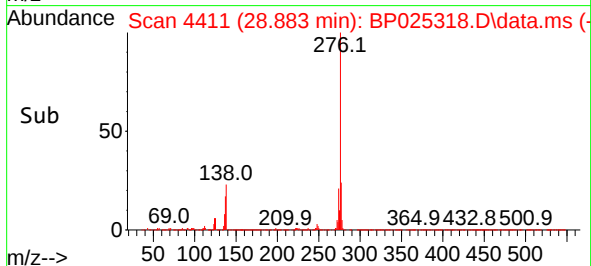
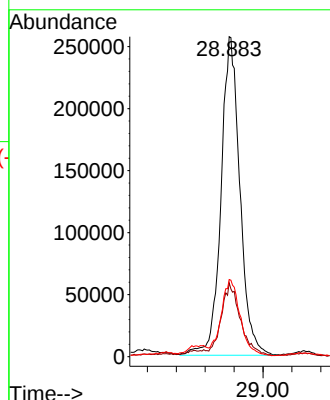
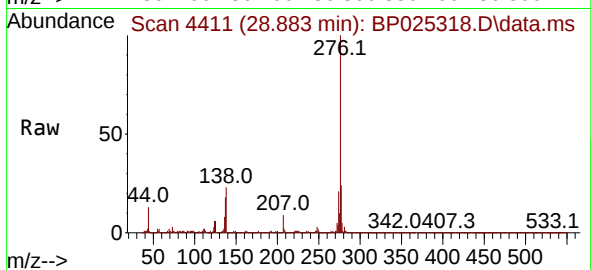
Tgt Ion:276 Resp: 1168749

Ion Ratio Lower Upper

276 100

138 22.9 14.6 22.0#

277 24.0 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 25.395 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

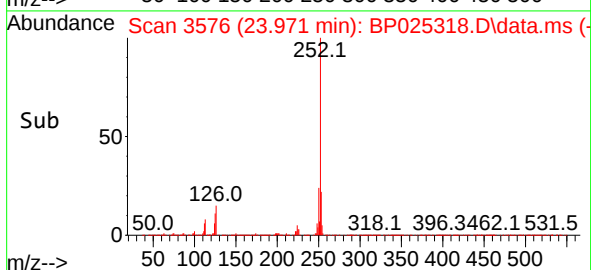
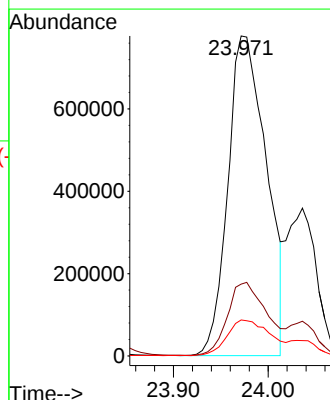
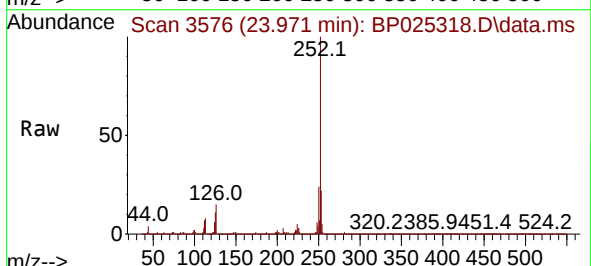
Tgt Ion:252 Resp: 2194991

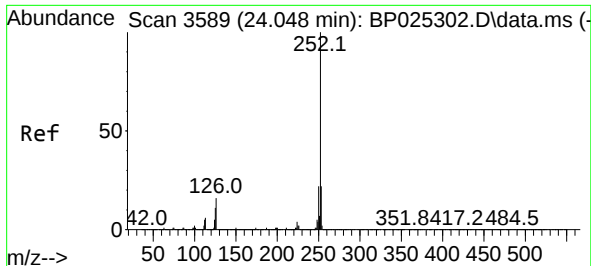
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.3 8.5 12.7

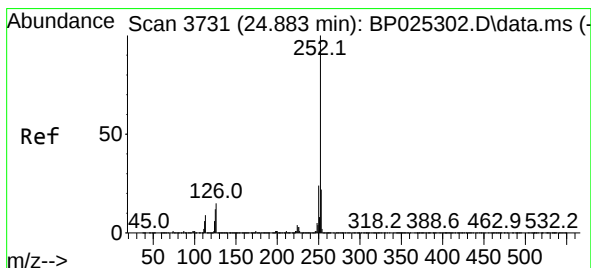
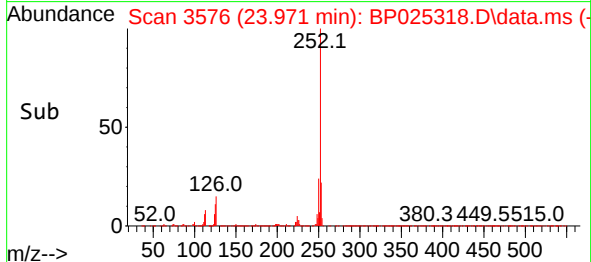
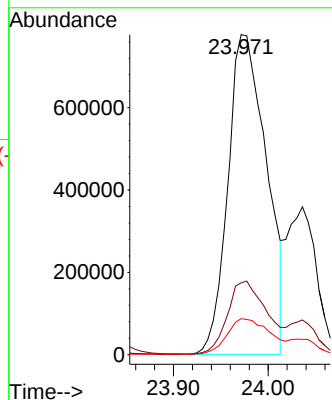
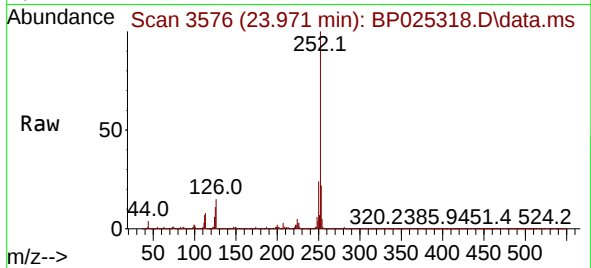




#89
Benzo(k)fluoranthene
Concen: 25.618 ng
RT: 23.971 min Scan# 31
Delta R.T. -0.077 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

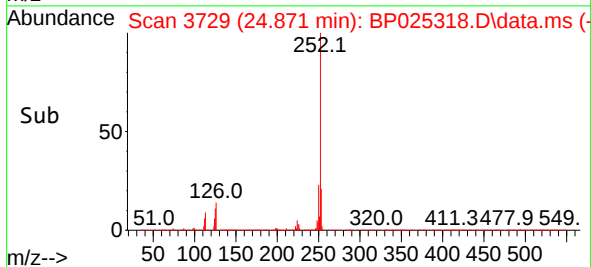
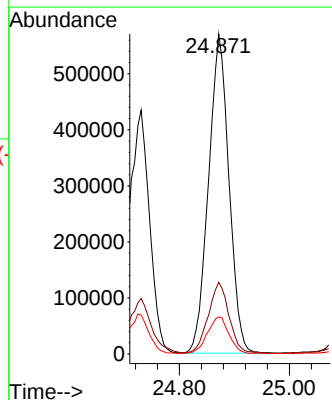
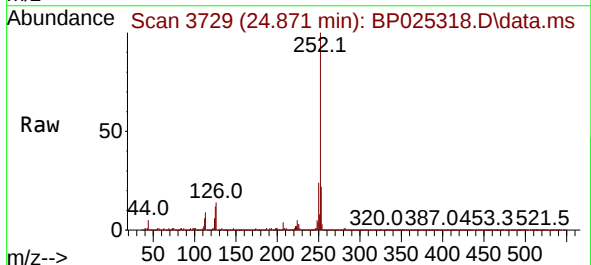
Instrument :
BNA_P
ClientSampleId :
224DL

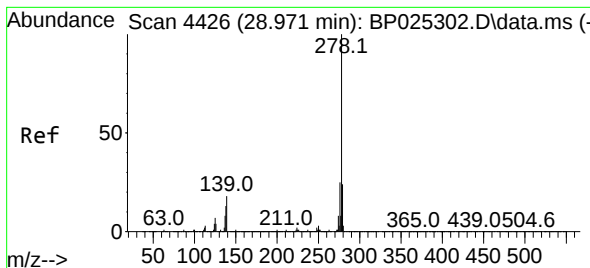
Tgt Ion:252 Resp: 2194991
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 11.3 8.5 12.7



#90
Benzo(a)pyrene
Concen: 17.695 ng
RT: 24.871 min Scan# 3729
Delta R.T. -0.012 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion:252 Resp: 1472834
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 11.5 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 3.015 ng

RT: 28.965 min Scan# 4426

Delta R.T. -0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

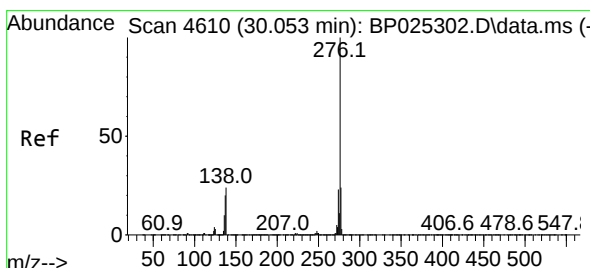
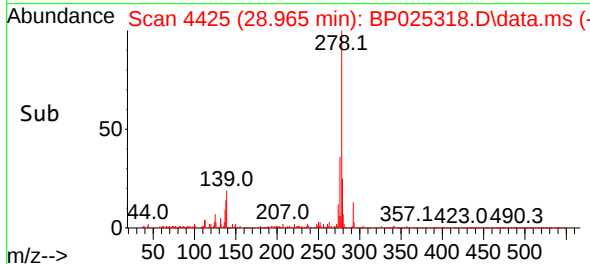
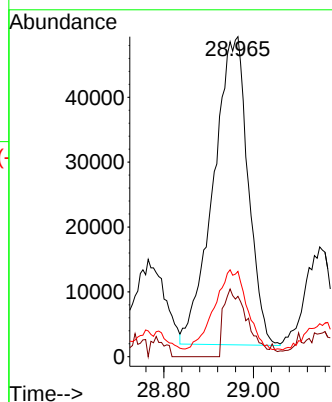
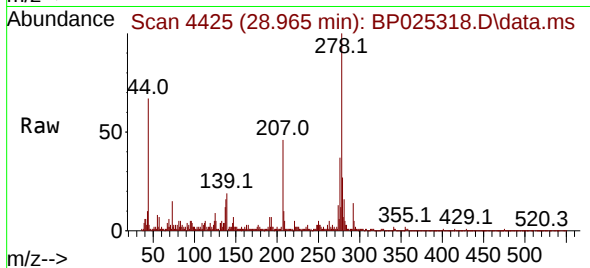
Tgt Ion:278 Resp: 255575

Ion Ratio Lower Upper

278 100

139 18.8 14.6 22.0

279 26.6 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 13.583 ng

RT: 30.065 min Scan# 4612

Delta R.T. 0.012 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Tgt Ion:276 Resp: 1129846

Ion Ratio Lower Upper

276 100

277 23.5 19.3 28.9

138 23.4 19.1 28.7

