

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072425\
 Data File : BP025239.D
 Acq On : 24 Jul 2025 12:43
 Operator : CG/JU
 Sample : Q2481-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC0627-AOXL

Quant Time: Jul 24 13:21:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

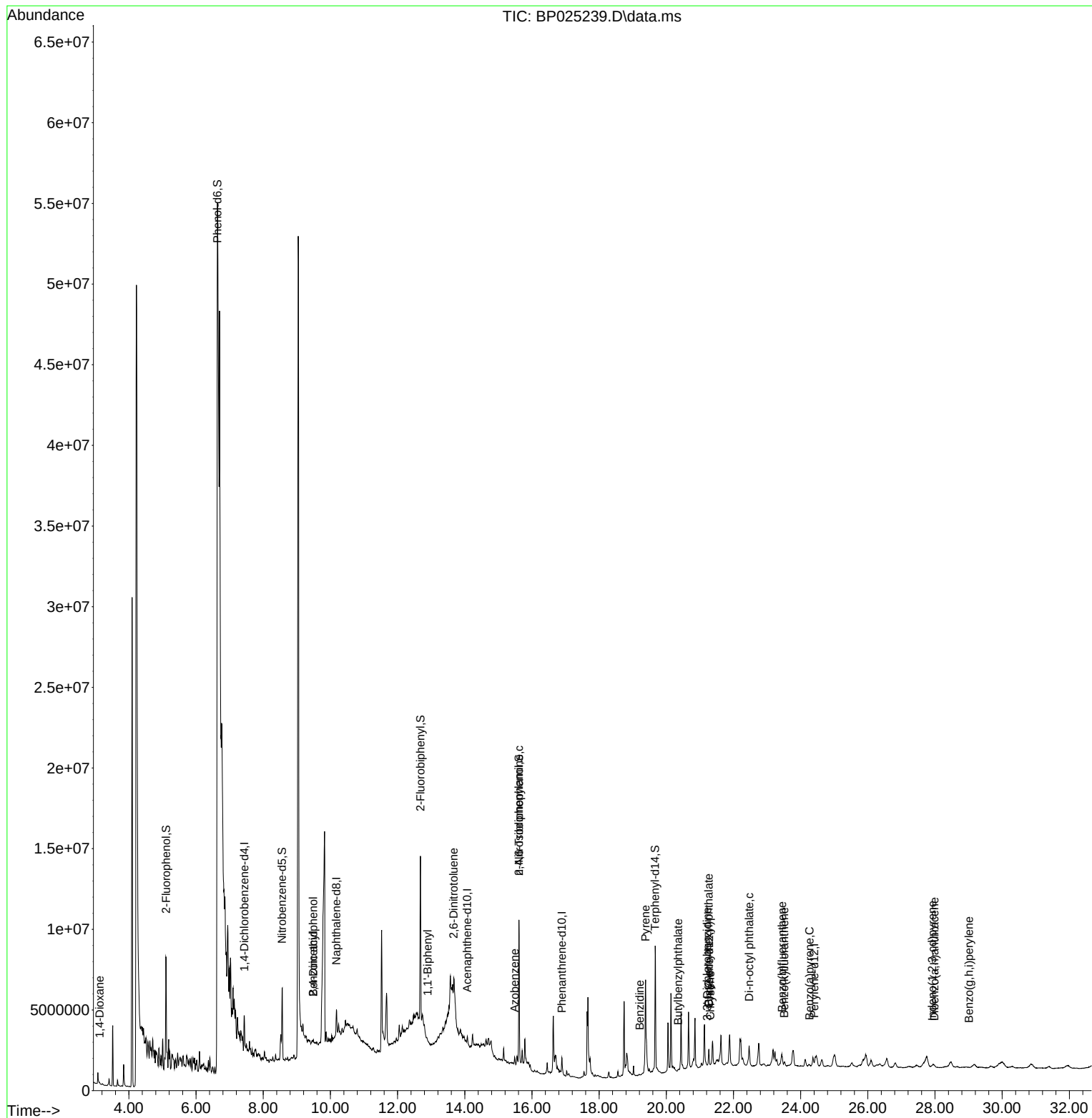
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	454140	20.000	ng	0.00
21) Naphthalene-d8	10.178	136	1182090	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	66114	20.000	ng	# 0.00
64) Phenanthrene-d10	16.889	188	302001	20.000	ng	# 0.00
76) Chrysene-d12	21.271	240	985	20.000	ng	#-0.05
86) Perylene-d12	24.407	264	525	20.000	ng	#-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2743005	102.054	ng	0.00
7) Phenol-d6	6.631	99	106722	3.206	ng	0.00
23) Nitrobenzene-d5	8.560	82	2447336	115.056	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1845721	1893.695	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	5797129	1236.179	ng	0.00
79) Terphenyl-d14	19.666	244	176365	3534.513	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.125	88	85577	8.495	ng	# 88
27) 2,4-Dimethylphenol	9.484	122	87866	4.823	ng	# 11
32) Benzoic acid	9.484	122	87866	6.317	ng	# 54
46) 1,1'-Biphenyl	12.895	154	16952	3.537	ng	# 88
51) 2,6-Dinitrotoluene	13.666	165	62222	60.564	ng	# 68
63) Azobenzene	15.483	77	120427	31.711	ng	# 1
66) n-Nitrosodiphenylamine	15.613	169	52015	5.674	ng	# 42
77) Benzidine	19.213	184	122	3.528	ng	# 1
78) Pyrene	19.377	202	1346	22.162	ng	# 1
80) Butylbenzylphthalate	20.348	149	2401	87.334	ng	# 75
82) 3,3'-Dichlorobenzidine	21.218	252	1547	59.997	ng	# 84
83) Chrysene	21.313	228	169	2.910	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.260	149	9165	233.143	ng	# 64
85) Di-n-octyl phthalate	22.465	149	48084	708.347	ng	# 81
87) Indeno(1,2,3-cd)pyrene	27.918	276	132	3.441	ng	# 55
88) Benzo(b)fluoranthene	23.448	252	4060	135.101	ng	# 1
89) Benzo(k)fluoranthene	23.507	252	979	32.999	ng	# 1
90) Benzo(a)pyrene	24.259	252	754	25.716	ng	# 1
91) Dibenzo(a,h)anthracene	27.983	278	171	5.463	ng	# 1
92) Benzo(g,h,i)perylene	29.012	276	417	13.556	ng	# 1

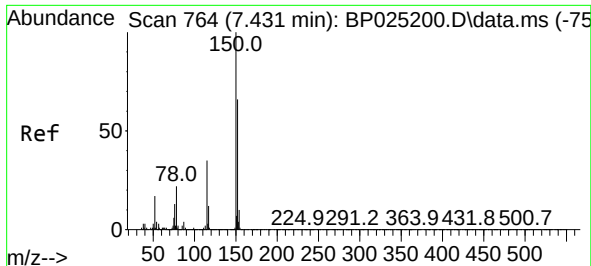
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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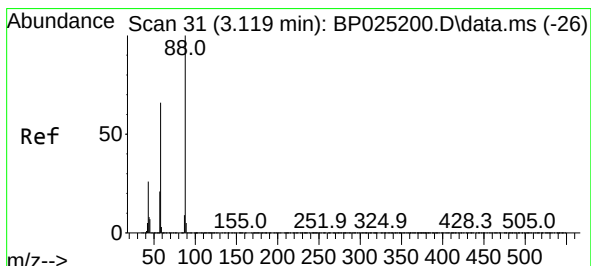
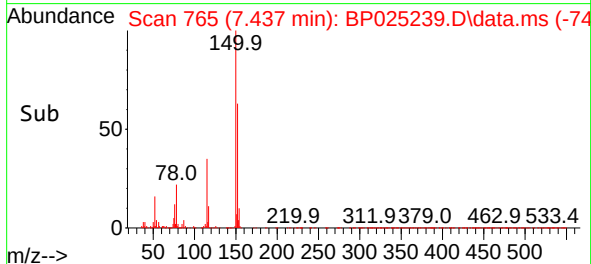
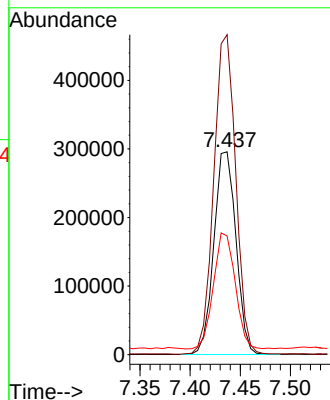
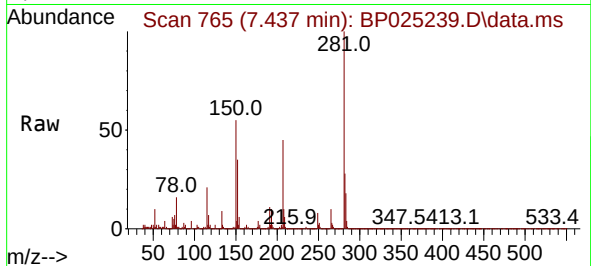




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.437 min Scan# 7
 Delta R.T. 0.006 min
 Lab File: BP025239.D
 Acq: 24 Jul 2025 12:43

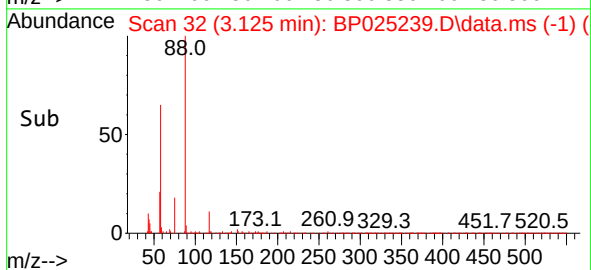
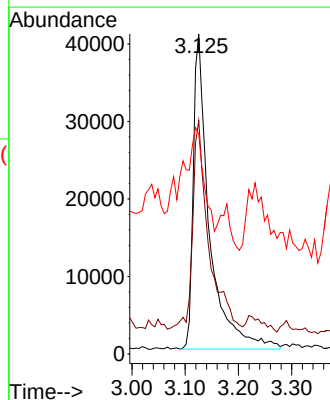
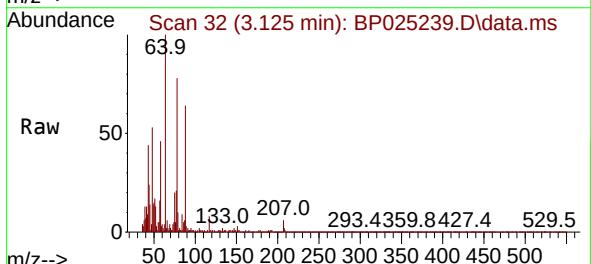
Instrument :
 BNA_P
 ClientSampleId :
 CC0627-AOXL

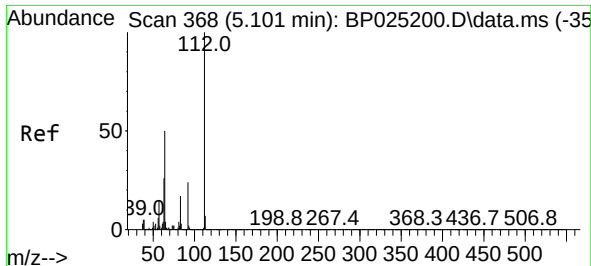
Tgt Ion:152 Resp: 454140
 Ion Ratio Lower Upper
 152 100
 150 157.7 121.9 182.9
 115 58.5 43.0 64.6



#2
 1,4-Dioxane
 Concen: 8.495 ng
 RT: 3.125 min Scan# 32
 Delta R.T. 0.006 min
 Lab File: BP025239.D
 Acq: 24 Jul 2025 12:43

Tgt Ion: 88 Resp: 85577
 Ion Ratio Lower Upper
 88 100
 58 65.0 53.5 80.3
 43 45.1 20.8 31.2#

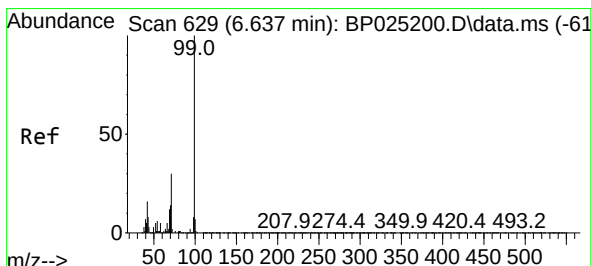
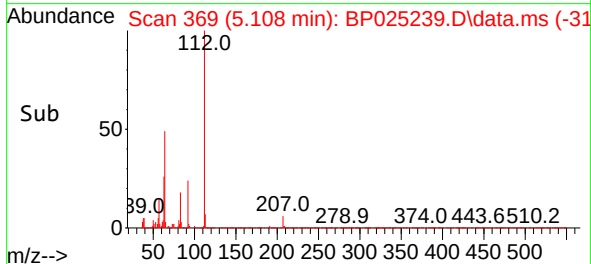
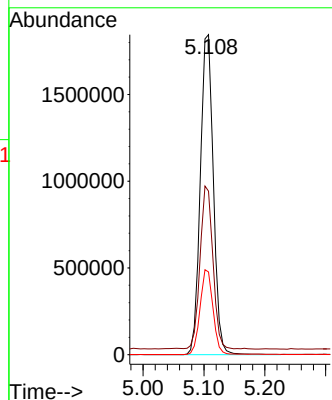
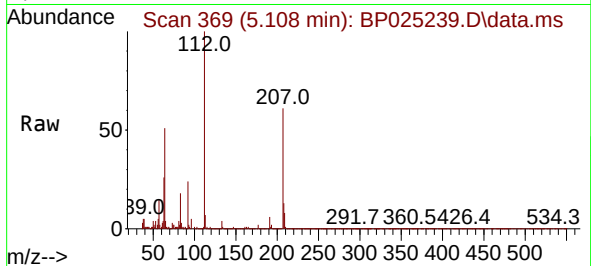




#5
2-Fluorophenol
Concen: 102.054 ng
RT: 5.108 min Scan# 30
Delta R.T. 0.006 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

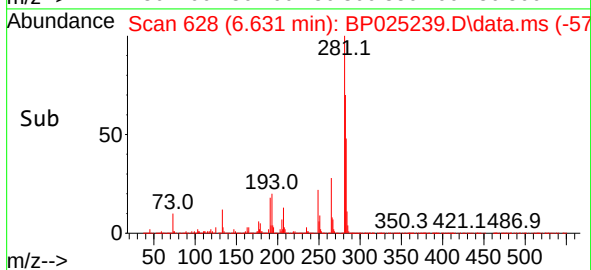
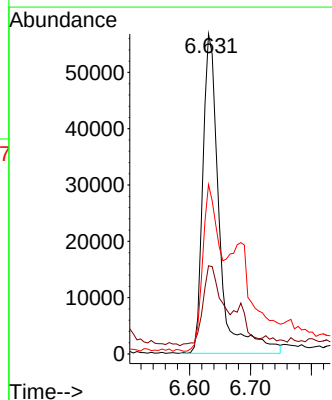
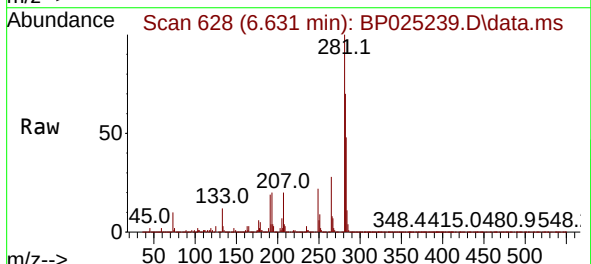
Instrument :
BNA_P
ClientSampleId :
CC0627-AOXL

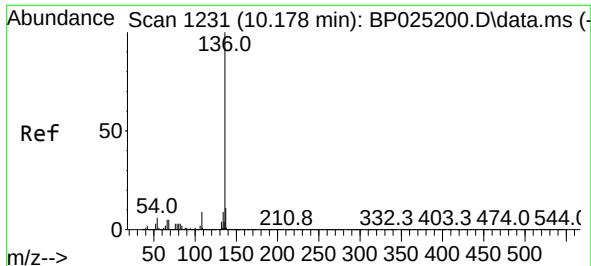
Tgt Ion:112 Resp: 2743005
Ion Ratio Lower Upper
112 100
64 51.1 39.8 59.6
63 25.9 20.5 30.7



#7
Phenol-d6
Concen: 3.206 ng
RT: 6.631 min Scan# 628
Delta R.T. -0.006 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion: 99 Resp: 106722
Ion Ratio Lower Upper
99 100
42 27.5 12.5 18.7#
71 52.9 24.2 36.2#



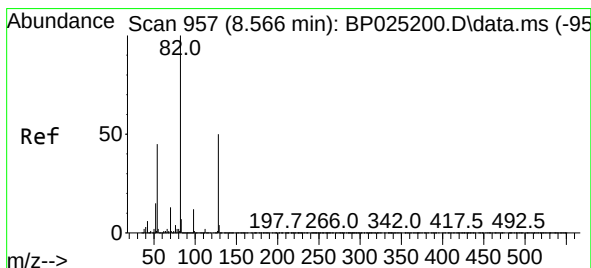
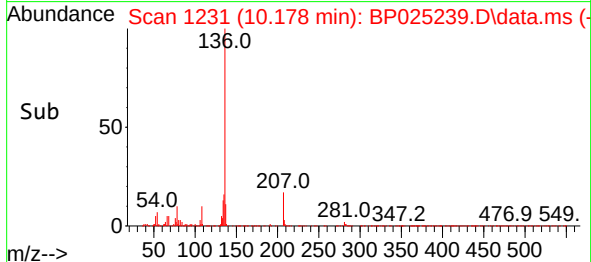
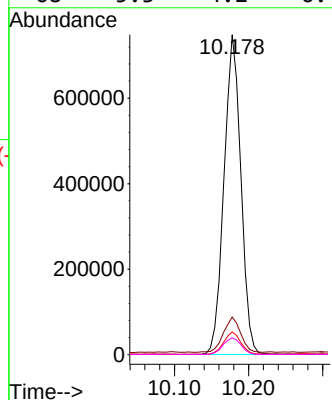
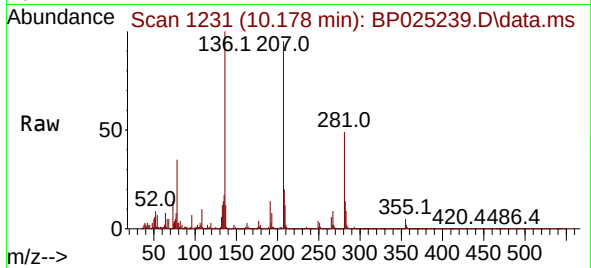


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Instrument :
BNA_P
ClientSampleId :
CC0627-AOXL

Tgt Ion:136 Resp: 1182090

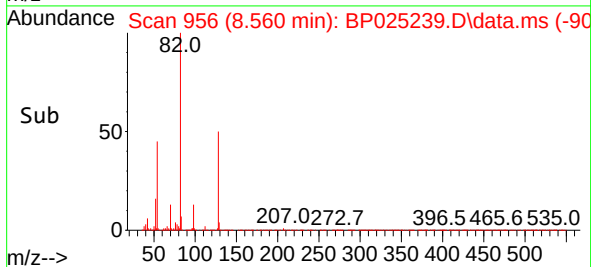
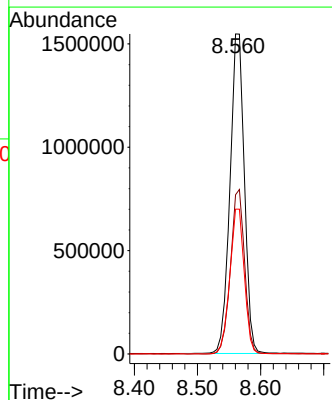
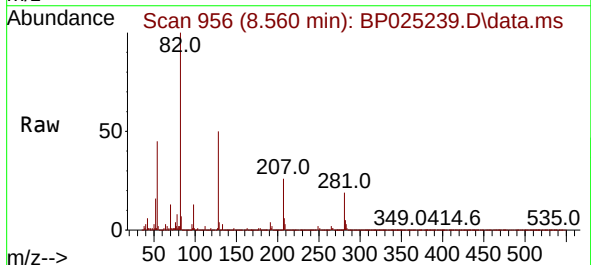
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	7.1	5.1	7.7
68	5.3	4.2	6.4

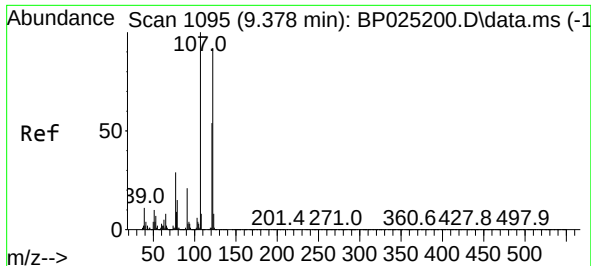


#23
Nitrobenzene-d5
Concen: 115.056 ng
RT: 8.560 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion: 82 Resp: 2447336

Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.2	60.4
54	45.3	36.3	54.5





#27

2,4-Dimethylphenol

Concen: 4.823 ng

RT: 9.484 min Scan# 1113

Delta R.T. 0.106 min

Lab File: BP025239.D

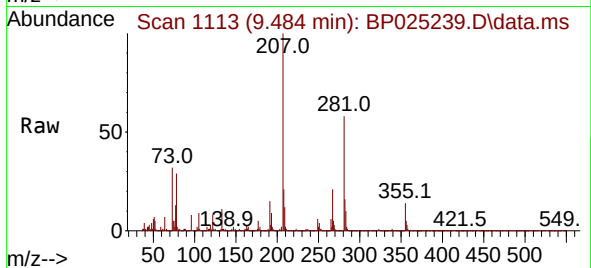
Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL



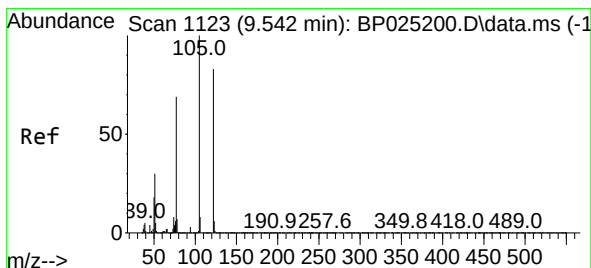
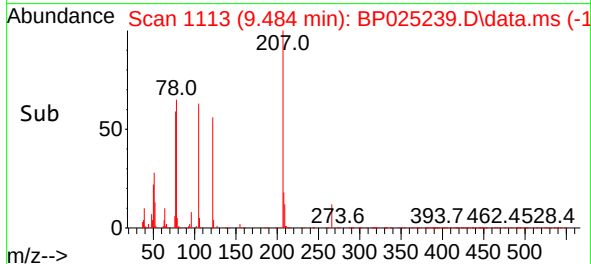
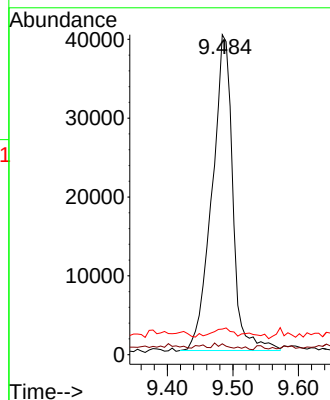
Tgt Ion:122 Resp: 87866

Ion Ratio Lower Upper

122 100

107 3.4 87.0 130.4#

121 8.0 46.7 70.1#



#32

Benzoic acid

Concen: 6.317 ng

RT: 9.484 min Scan# 1113

Delta R.T. -0.059 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

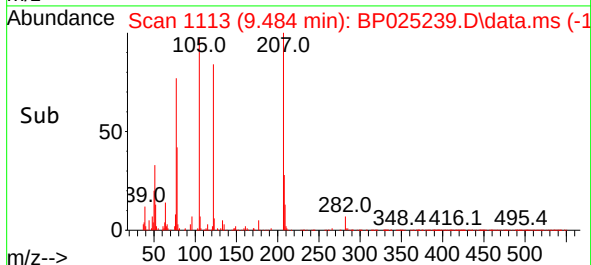
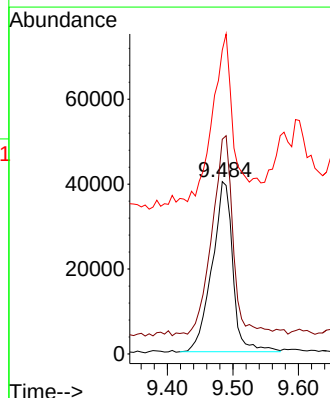
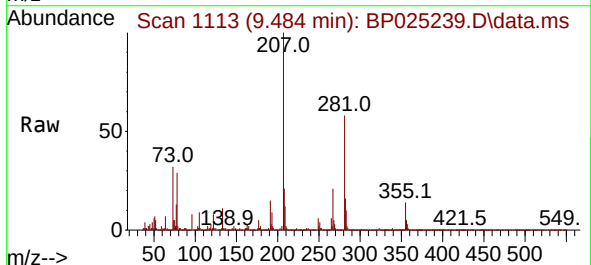
Tgt Ion:122 Resp: 87866

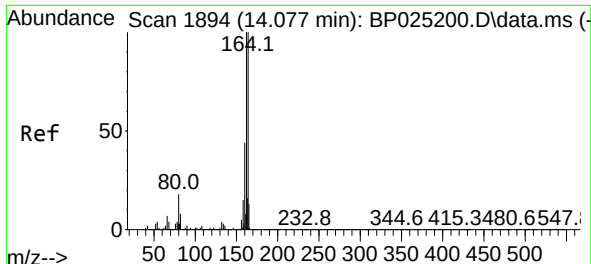
Ion Ratio Lower Upper

122 100

105 124.6 98.1 138.1

77 176.4 62.7 102.7#

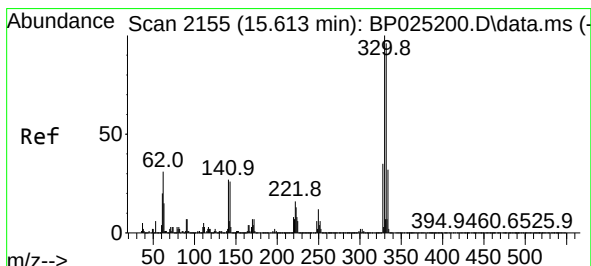
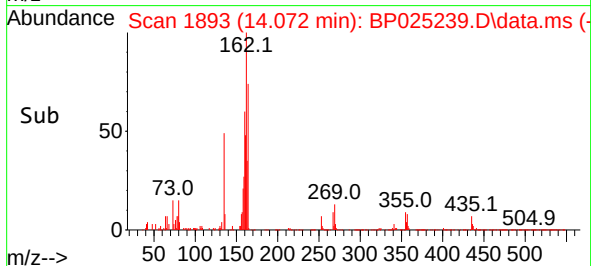
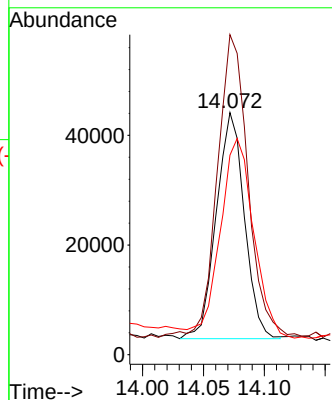
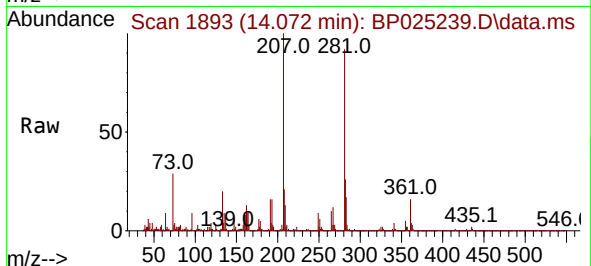




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.072 min Scan# 1894
Delta R.T. -0.006 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

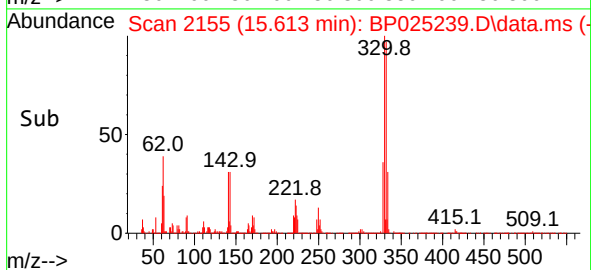
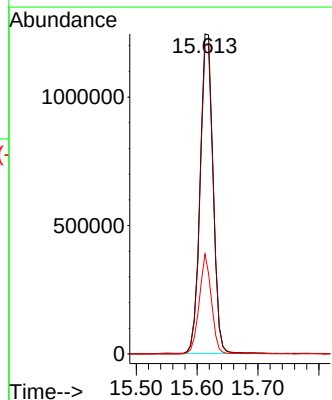
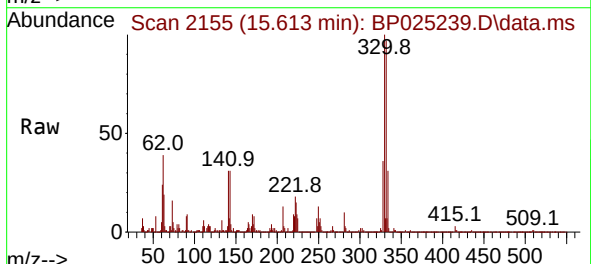
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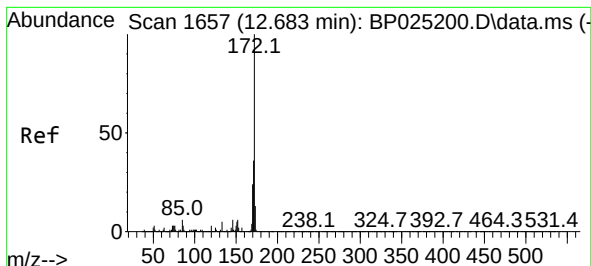
Tgt Ion:164 Resp: 66114
Ion Ratio Lower Upper
164 100
162 132.2 80.3 120.5#
160 82.4 35.7 53.5#



#42
2,4,6-Tribromophenol
Concen: 1893.695 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion:330 Resp: 1845721
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 29.0 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 1236.179 ng

RT: 12.678 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

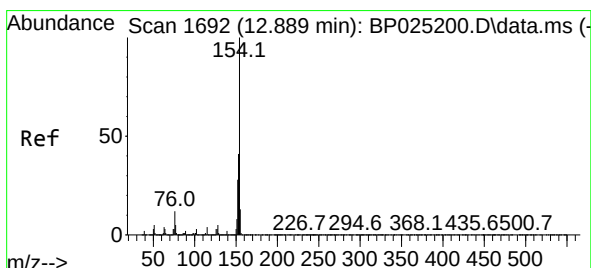
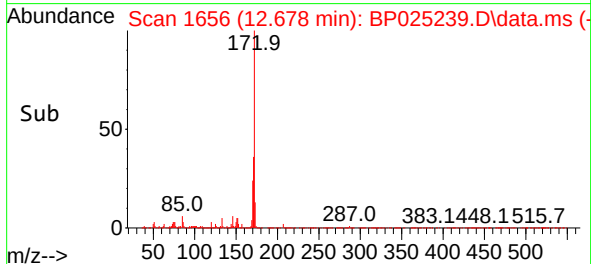
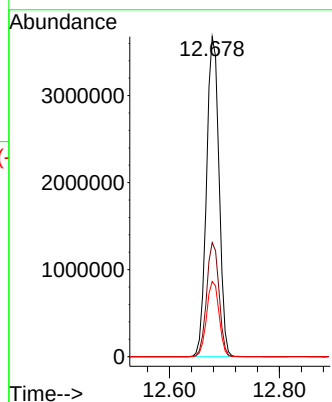
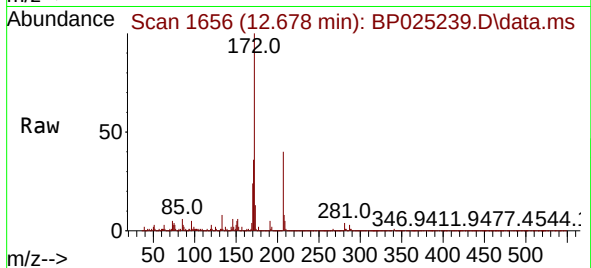
Tgt Ion:172 Resp: 5797129

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 19.2 28.8



#46

1,1'-Biphenyl

Concen: 3.537 ng

RT: 12.895 min Scan# 1693

Delta R.T. 0.006 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

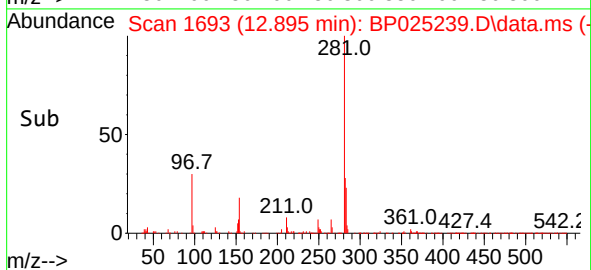
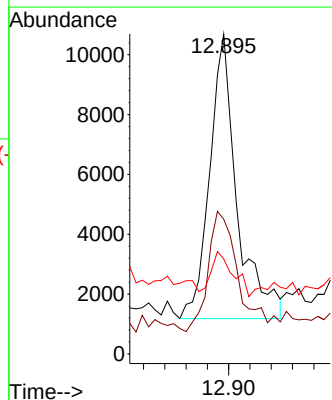
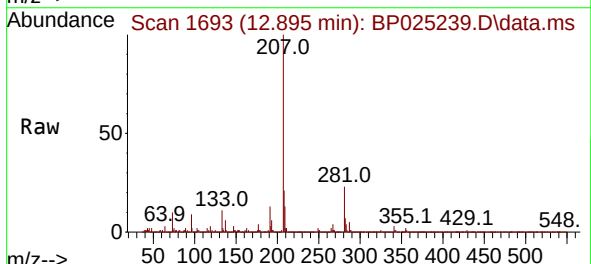
Tgt Ion:154 Resp: 16952

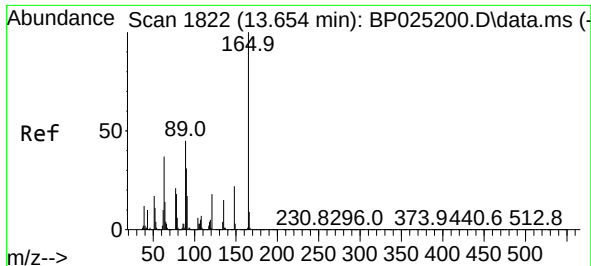
Ion Ratio Lower Upper

154 100

153 42.1 20.8 60.8

76 29.6 0.0 31.6

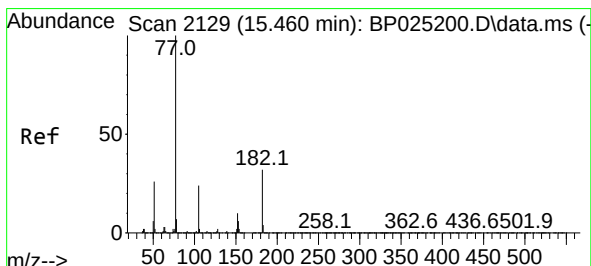
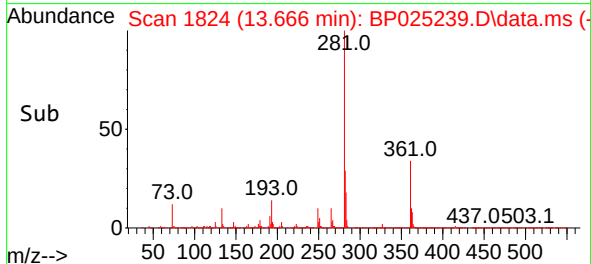
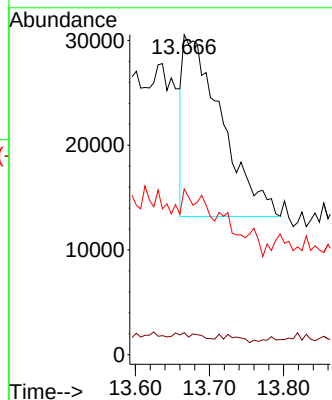
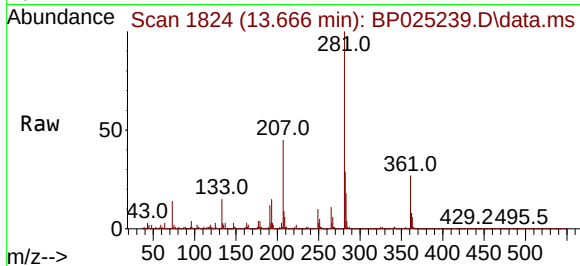




#51
2,6-Dinitrotoluene
Concen: 60.564 ng
RT: 13.666 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

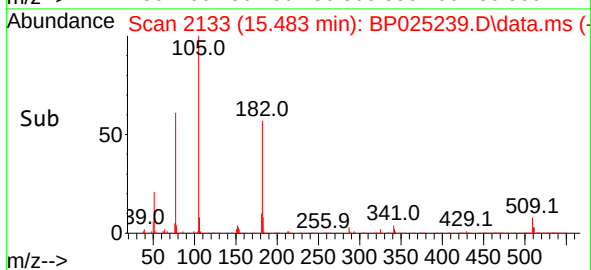
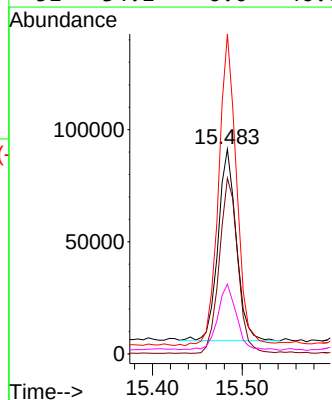
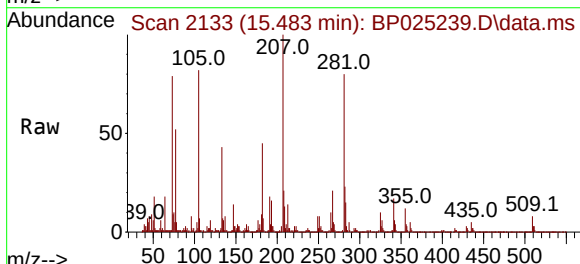
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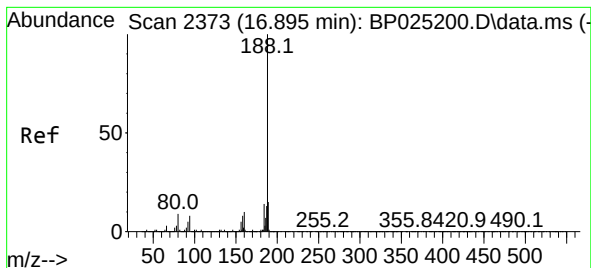
Tgt Ion:165 Resp: 62222
Ion Ratio Lower Upper
165 100
63 6.9 33.4 50.2#
89 51.8 36.3 54.5



#63
Azobenzene
Concen: 31.711 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.024 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion: 77 Resp: 120427
Ion Ratio Lower Upper
77 100
182 85.9 12.0 52.0#
105 156.2 3.6 43.6#
51 34.1 6.0 46.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.889 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

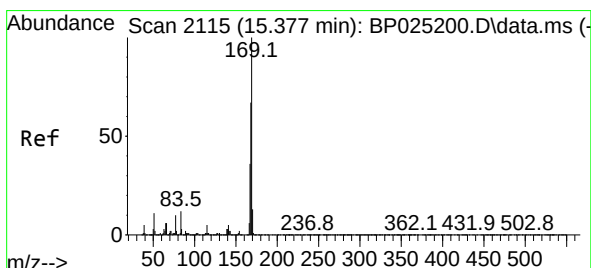
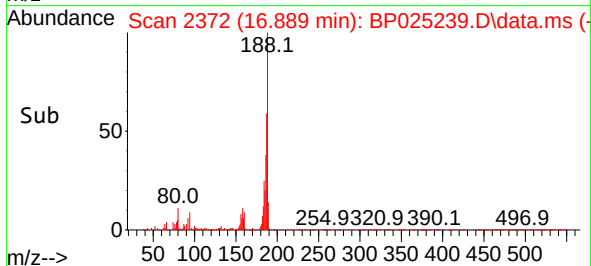
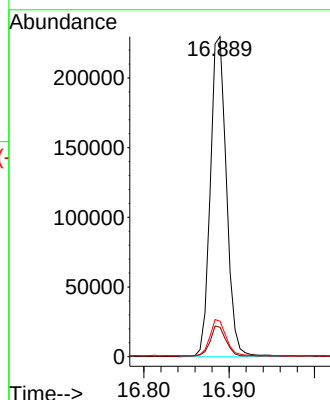
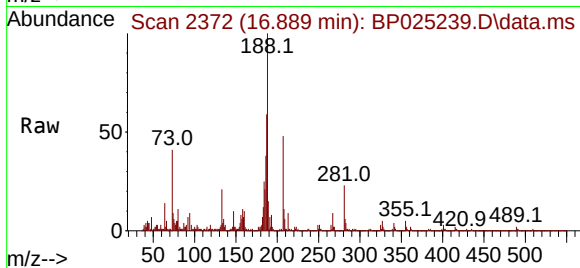
Tgt Ion:188 Resp: 302001

Ion Ratio Lower Upper

188 100

94 9.2 6.8 10.2

80 11.1 7.3 10.9#



#66

n-Nitrosodiphenylamine

Concen: 5.674 ng

RT: 15.613 min Scan# 2155

Delta R.T. 0.236 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

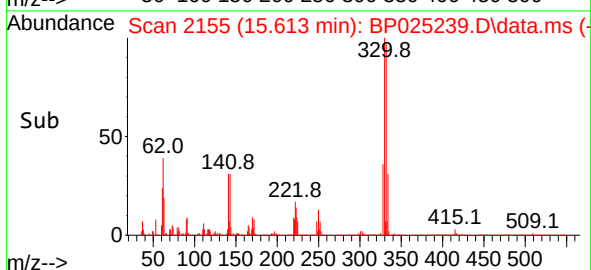
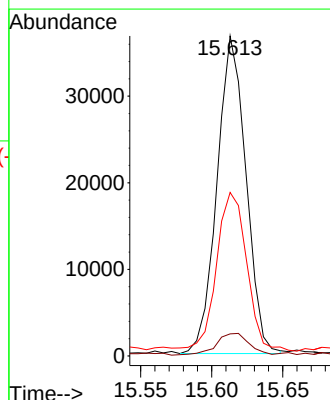
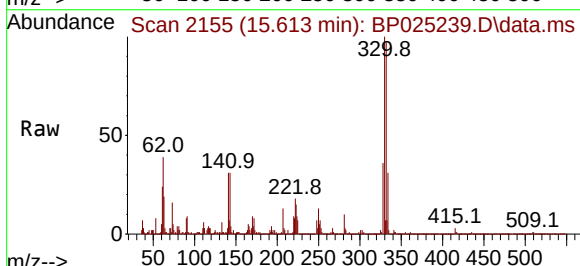
Tgt Ion:169 Resp: 52015

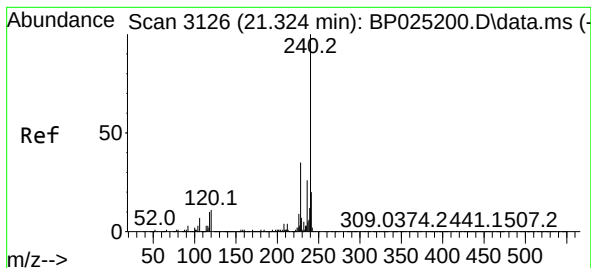
Ion Ratio Lower Upper

169 100

168 6.9 53.7 80.5#

167 51.1 29.0 43.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.271 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

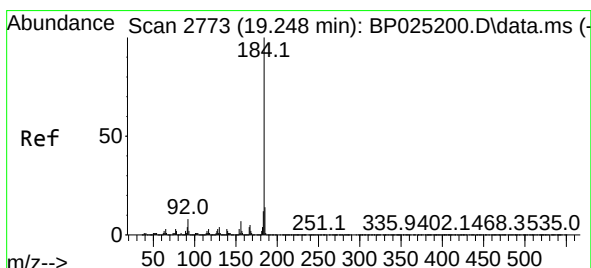
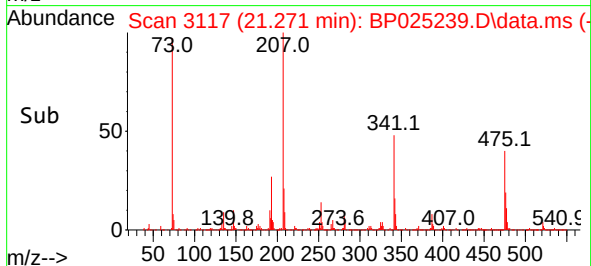
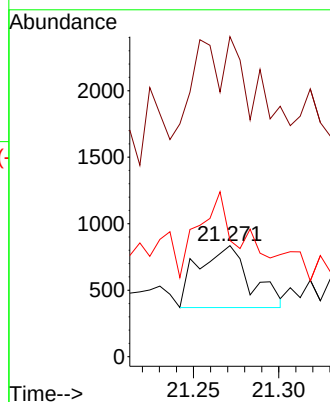
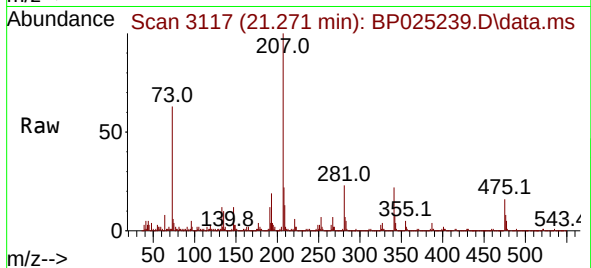
Tgt Ion:240 Resp: 985

Ion Ratio Lower Upper

240 100

120 288.1 8.8 13.2#

236 104.7 20.9 31.3#



#77

Benzidine

Concen: 3.528 ng

RT: 19.213 min Scan# 2767

Delta R.T. -0.035 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

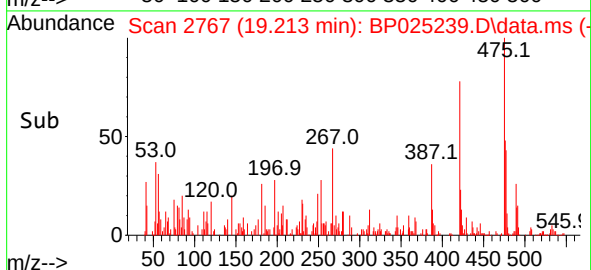
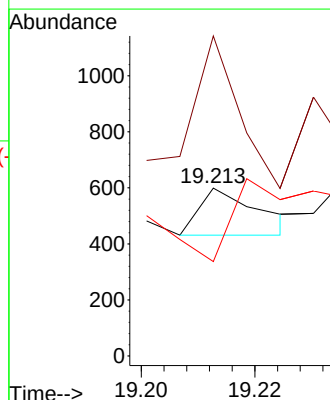
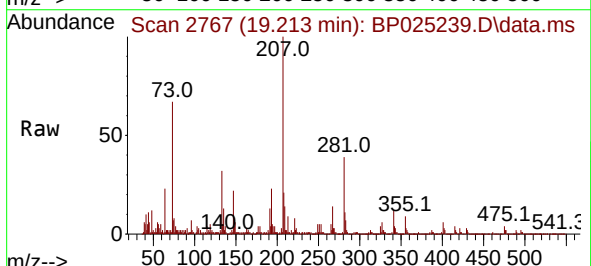
Tgt Ion:184 Resp: 122

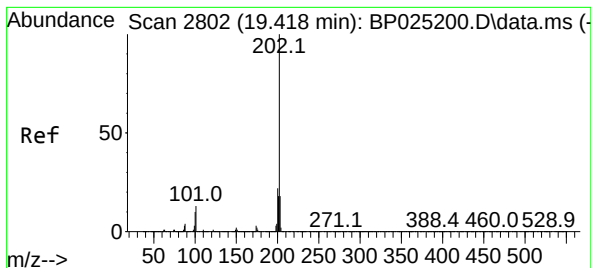
Ion Ratio Lower Upper

184 100

185 190.7 11.5 17.3#

183 56.3 9.6 14.4#





#78

Pyrene

Concen: 22.162 ng

RT: 19.377 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

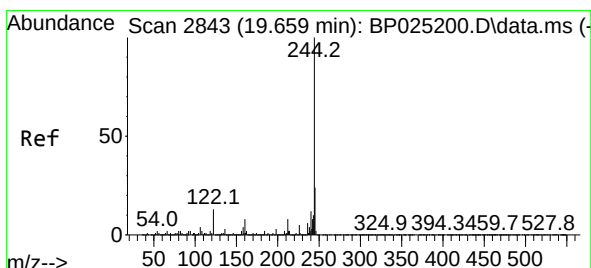
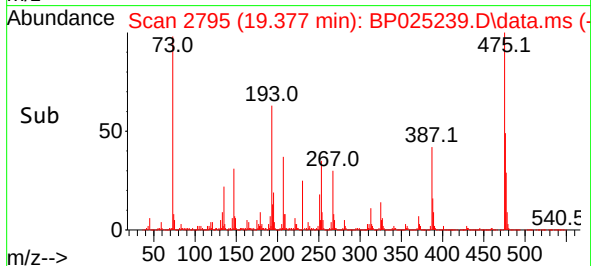
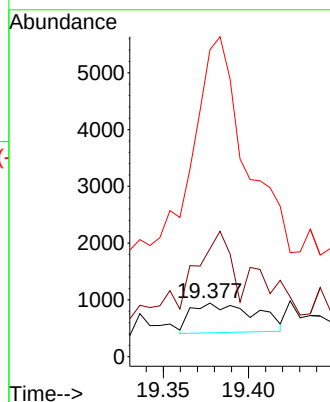
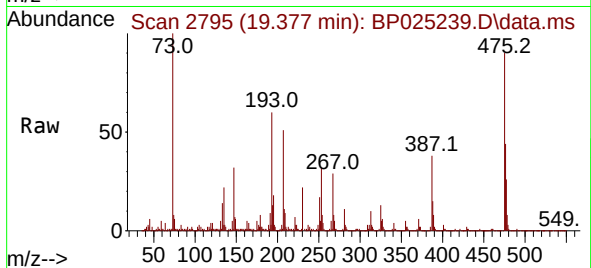
Tgt Ion:202 Resp: 1346

Ion Ratio Lower Upper

202 100

200 201.4 17.4 26.2#

203 571.9 14.3 21.5#



#79

Terphenyl-d14

Concen: 3534.513 ng

RT: 19.666 min Scan# 2844

Delta R.T. 0.007 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

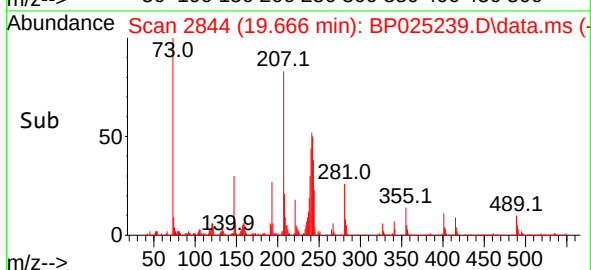
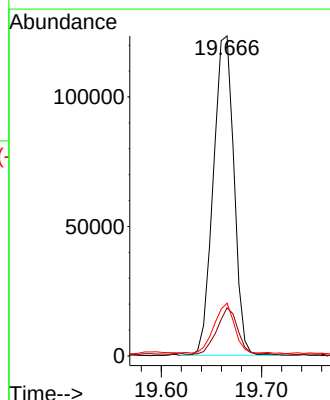
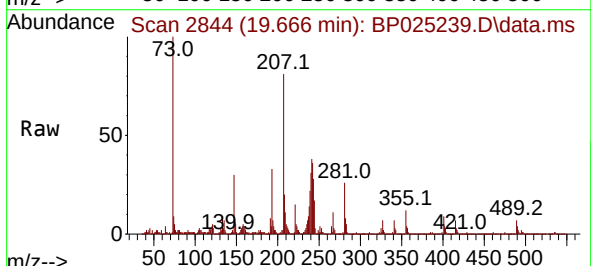
Tgt Ion:244 Resp: 176365

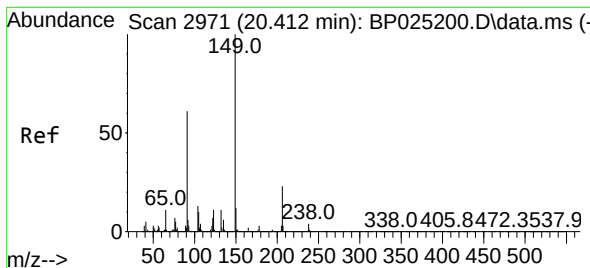
Ion Ratio Lower Upper

244 100

212 15.1 6.6 9.8#

122 16.5 10.3 15.5#





#80

Butylbenzylphthalate

Concen: 87.334 ng

RT: 20.348 min Scan# 21

Delta R.T. -0.064 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

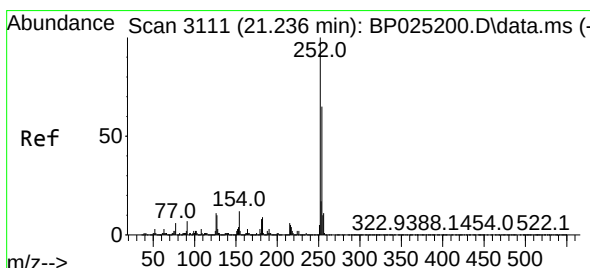
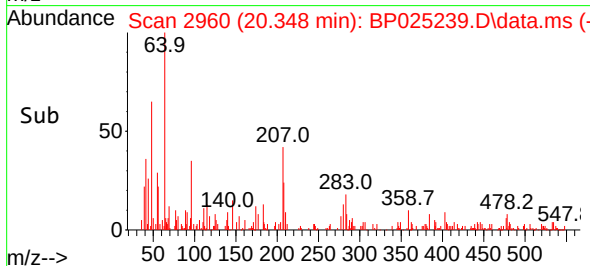
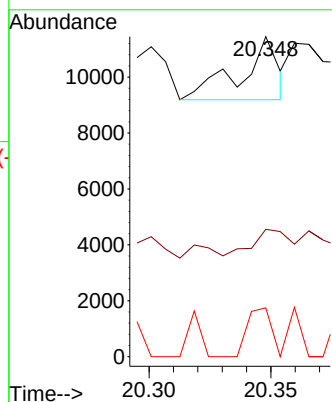
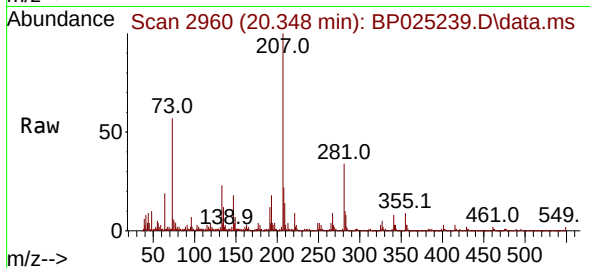
Tgt Ion:149 Resp: 2401

Ion Ratio Lower Upper

149 100

91 39.8 48.8 73.2#

206 15.3 18.4 27.6#



#82

3,3'-Dichlorobenzidine

Concen: 59.997 ng

RT: 21.218 min Scan# 3108

Delta R.T. -0.017 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

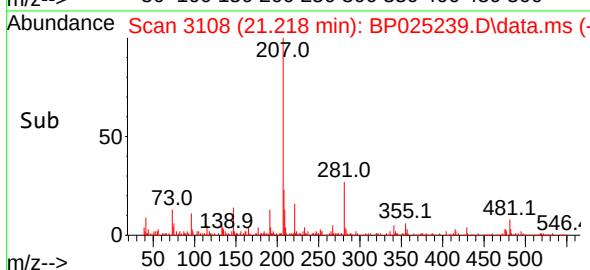
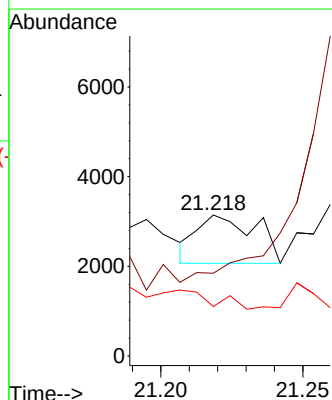
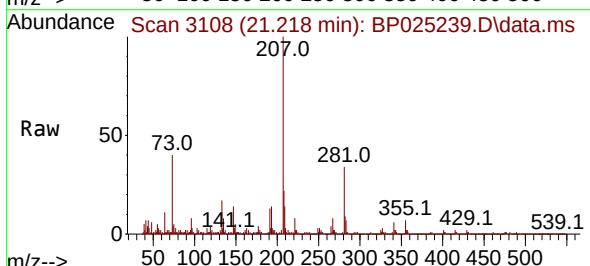
Tgt Ion:252 Resp: 1547

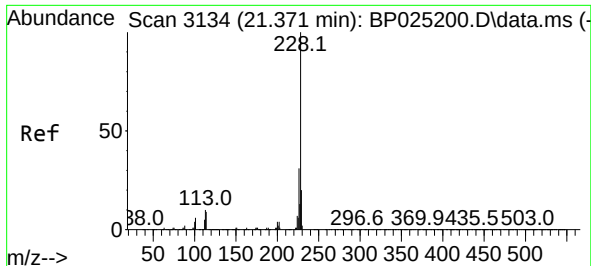
Ion Ratio Lower Upper

252 100

254 58.7 52.1 78.1

126 35.1 8.6 12.8#

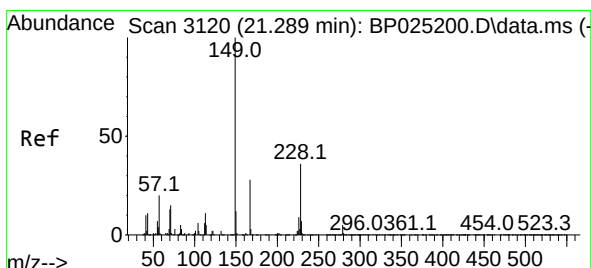
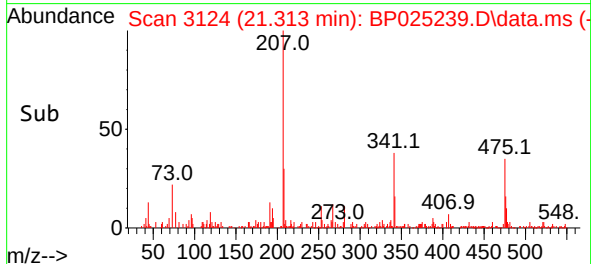
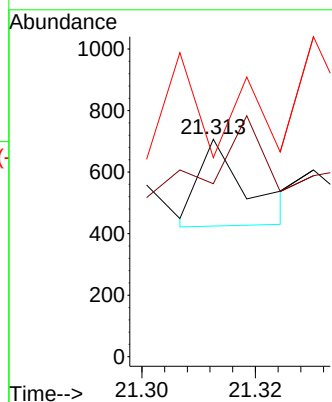
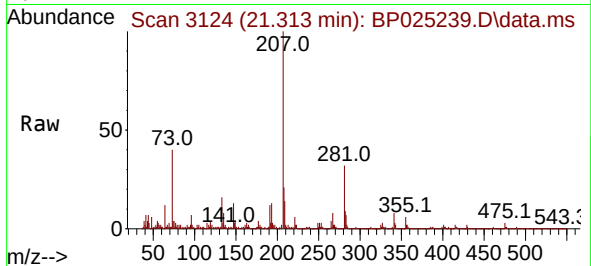




#83
Chrysene
Concen: 2.910 ng
RT: 21.313 min Scan# 3113
Delta R.T. -0.059 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

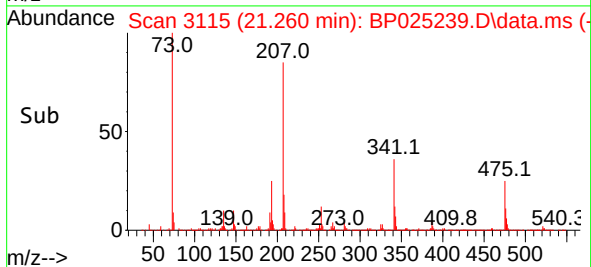
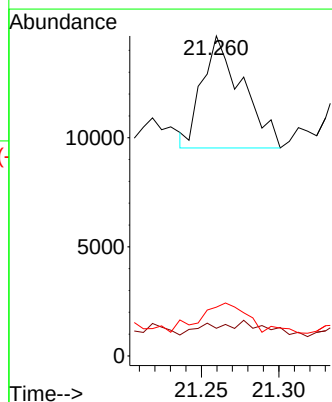
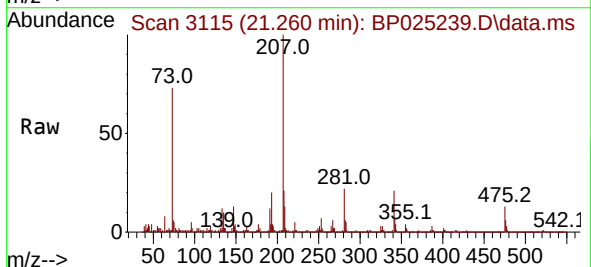
Instrument :
BNA_P
ClientSampleId :
CC0627-AOXL

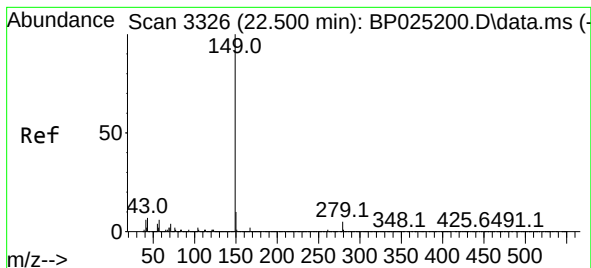
Tgt Ion:228 Resp: 169
Ion Ratio Lower Upper
228 100
226 79.5 24.6 37.0#
229 148.5 16.0 24.0#



#84
Bis(2-ethylhexyl)phthalate
Concen: 233.143 ng
RT: 21.260 min Scan# 3115
Delta R.T. -0.029 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion:149 Resp: 9165
Ion Ratio Lower Upper
149 100
167 8.7 22.6 34.0#
279 15.2 4.0 6.0#





#85

Di-n-octyl phthalate

Concen: 708.347 ng

RT: 22.465 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

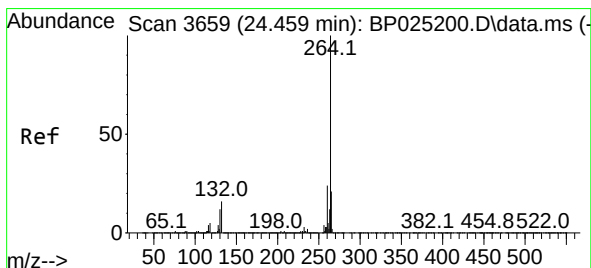
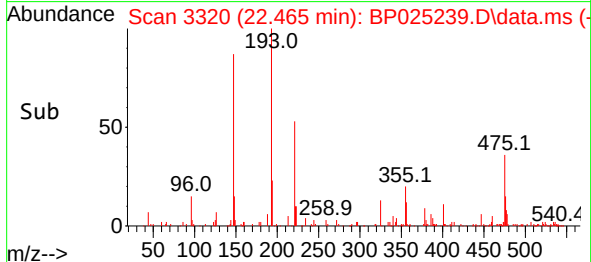
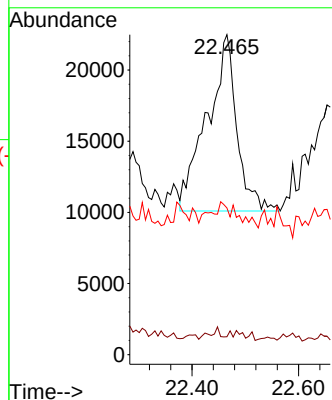
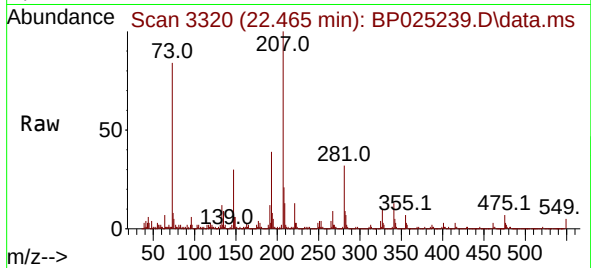
Tgt Ion:149 Resp: 48084

Ion Ratio Lower Upper

149 100

167 0.3 1.3 1.9#

43 0.0 6.1 9.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.407 min Scan# 3650

Delta R.T. -0.053 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

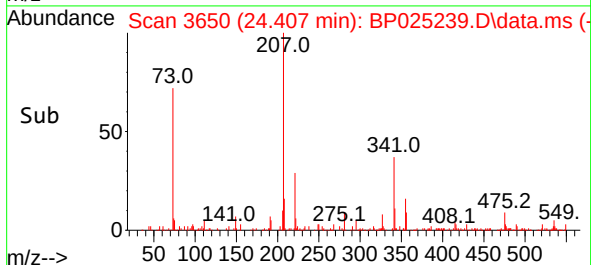
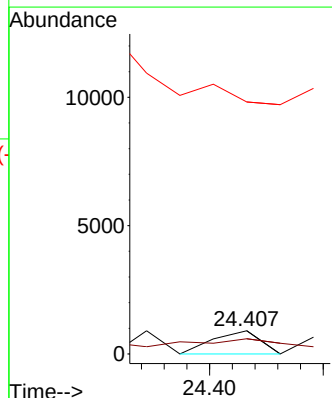
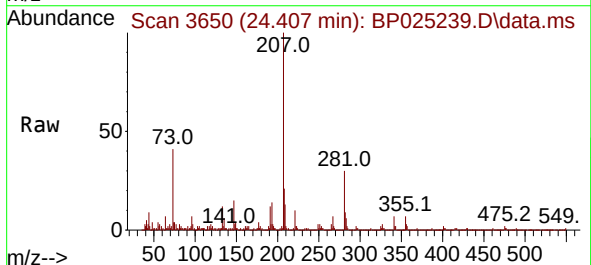
Tgt Ion:264 Resp: 525

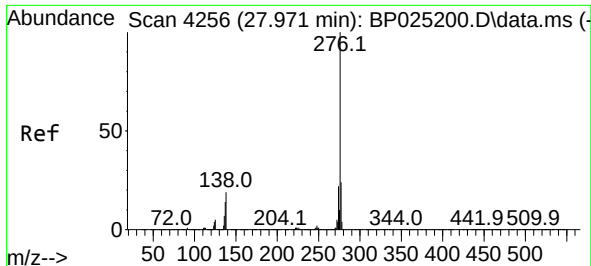
Ion Ratio Lower Upper

264 100

260 65.3 19.0 28.6#

265 1087.6 17.5 26.3#

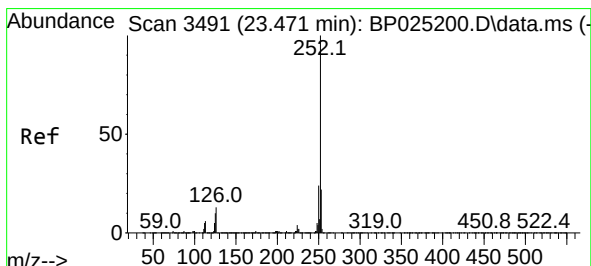
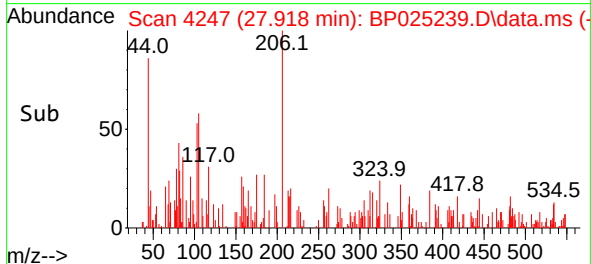
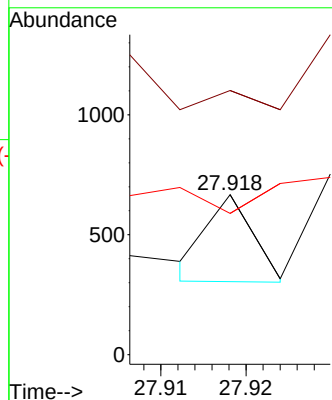
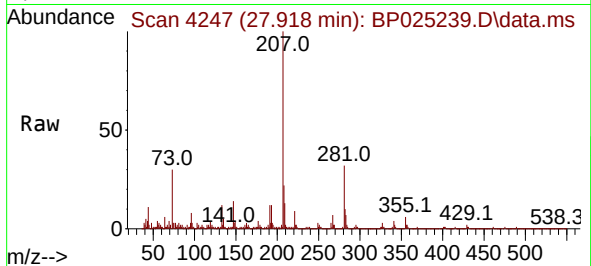




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.441 ng
RT: 27.918 min Scan# 41
Delta R.T. -0.053 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

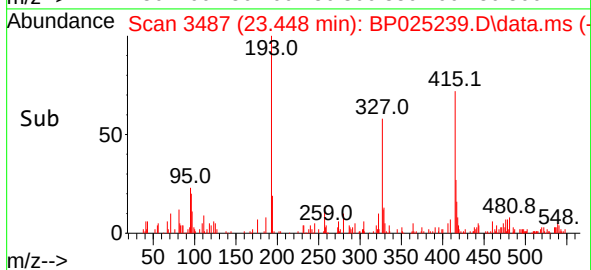
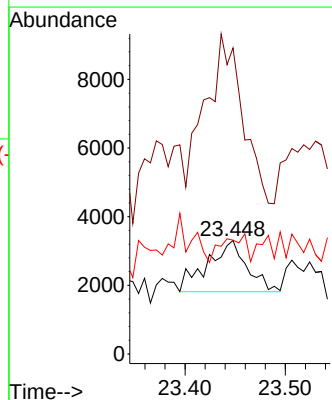
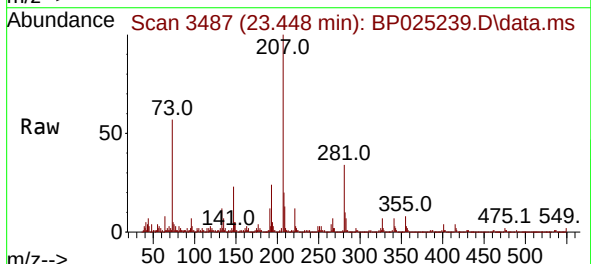
Instrument :
BNA_P
ClientSampleId :
CC0627-AOXL

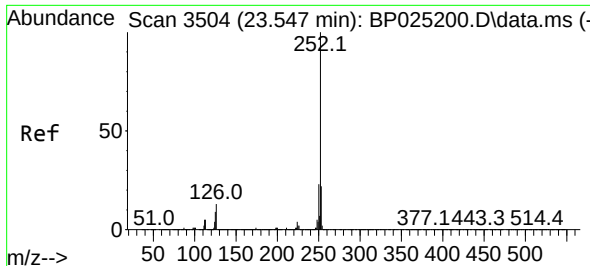
Tgt Ion:276 Resp: 132
Ion Ratio Lower Upper
276 100
138 0.0 12.8 19.2#
277 0.0 20.3 30.5#



#88
Benzo(b)fluoranthene
Concen: 135.101 ng
RT: 23.448 min Scan# 3487
Delta R.T. -0.023 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion:252 Resp: 4060
Ion Ratio Lower Upper
252 100
253 269.9 18.0 27.0#
125 100.3 7.8 11.8#

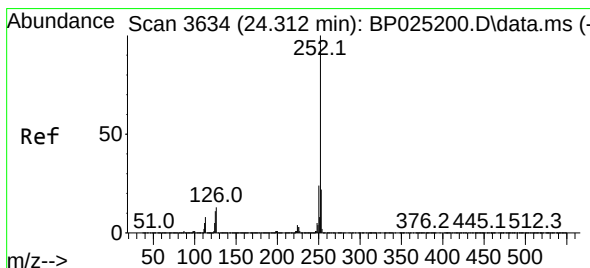
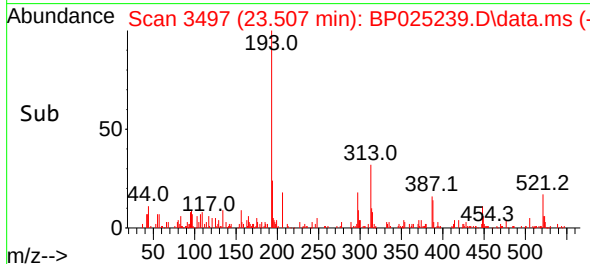
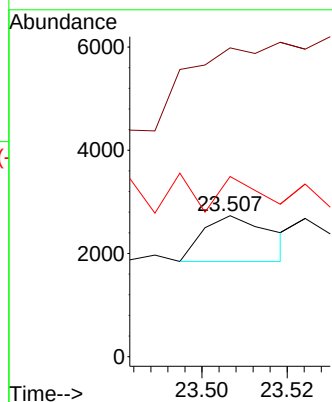
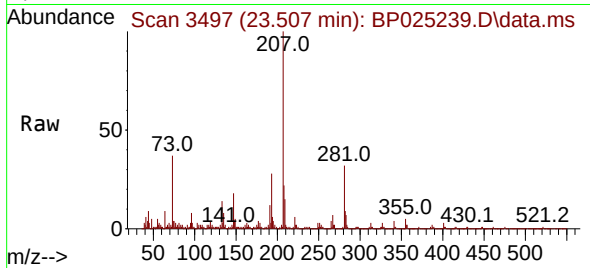




#89
Benzo(k)fluoranthene
Concen: 32.999 ng
RT: 23.507 min Scan# 34
Delta R.T. -0.041 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

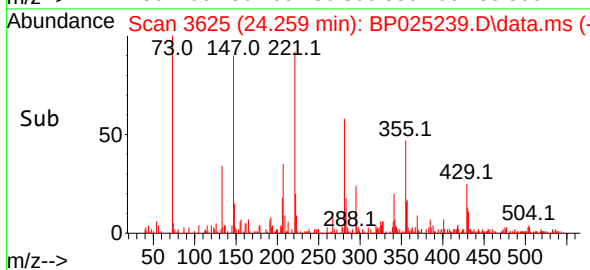
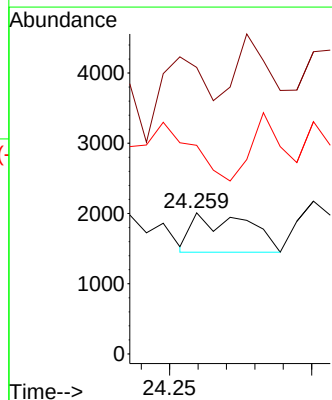
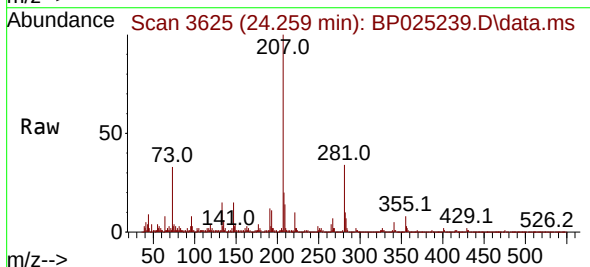
Instrument :
BNA_P
ClientSampleId :
CC0627-AOXL

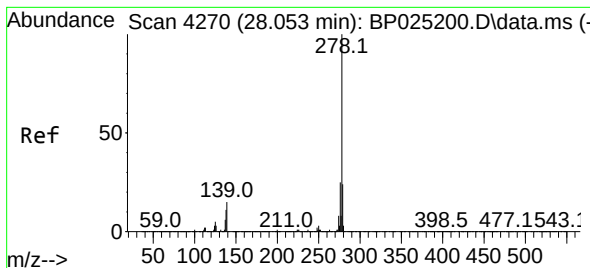
Tgt Ion:252 Resp: 979
Ion Ratio Lower Upper
252 100
253 219.0 17.8 26.6#
125 127.7 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 25.716 ng
RT: 24.259 min Scan# 3625
Delta R.T. -0.053 min
Lab File: BP025239.D
Acq: 24 Jul 2025 12:43

Tgt Ion:252 Resp: 754
Ion Ratio Lower Upper
252 100
253 203.0 17.8 26.6#
125 147.8 8.6 12.8#





#91

Dibenzo(a,h)anthracene

Concen: 5.463 ng

RT: 27.983 min Scan# 41

Delta R.T. -0.070 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Instrument :

BNA_P

ClientSampleId :

CC0627-AOXL

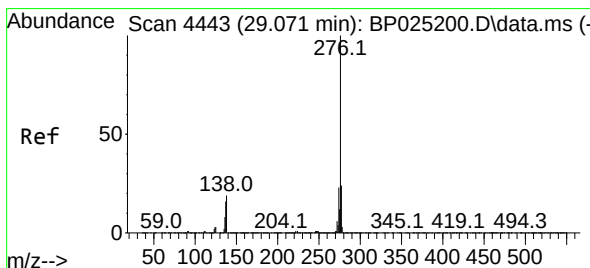
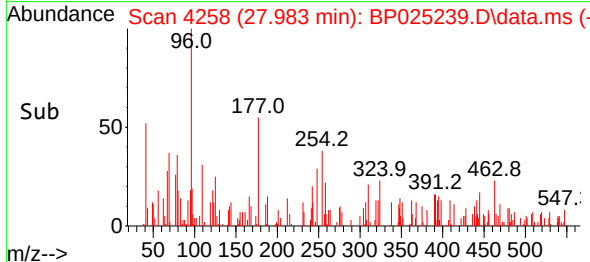
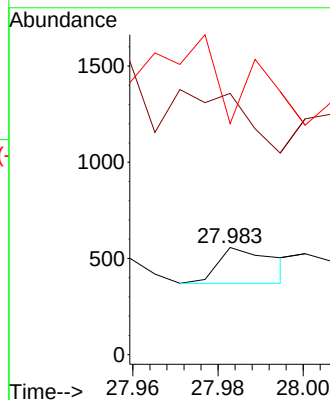
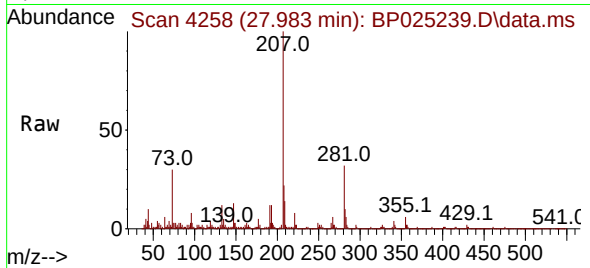
Tgt Ion:278 Resp: 171

Ion Ratio Lower Upper

278 100

139 243.8 12.0 18.0#

279 215.6 19.5 29.3#



#92

Benzo(g,h,i)perylene

Concen: 13.556 ng

RT: 29.012 min Scan# 4433

Delta R.T. -0.059 min

Lab File: BP025239.D

Acq: 24 Jul 2025 12:43

Tgt Ion:276 Resp: 417

Ion Ratio Lower Upper

276 100

277 96.6 19.2 28.8#

138 152.5 15.4 23.2#

