

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025577.D
 Acq On : 25 Aug 2025 23:18
 Operator : CG/JU
 Sample : Q2947-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 235

Quant Time: Aug 26 01:18:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

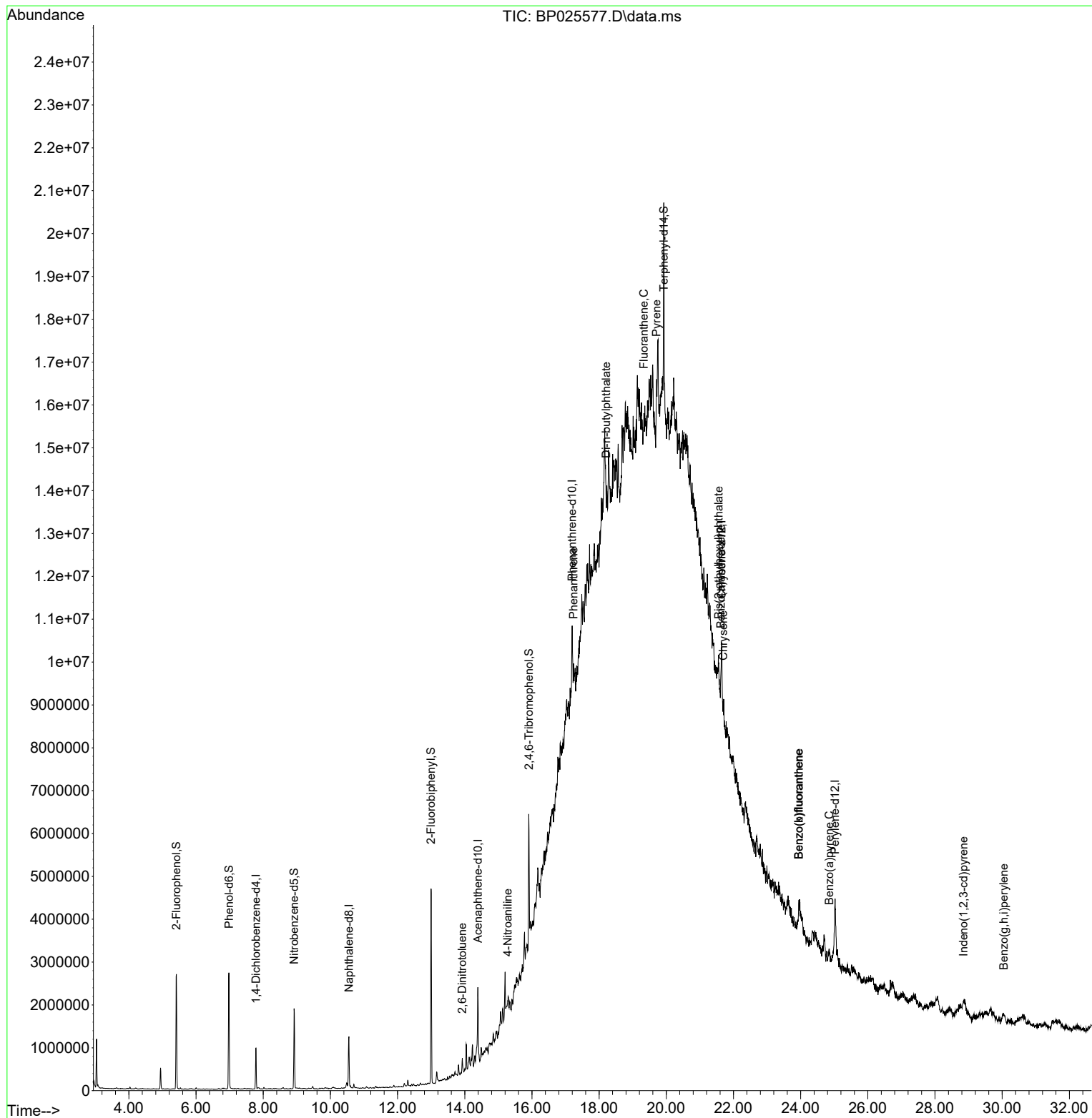
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	264732	20.000	ng	-0.01
21) Naphthalene-d8	10.549	136	1039213	20.000	ng	-0.01
39) Acenaphthene-d10	14.390	164	633900	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	963421	20.000	ng	# 0.00
76) Chrysene-d12	21.648	240	1108729	20.000	ng	0.00
86) Perylene-d12	25.024	264	1377727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1255050	78.731	ng	0.00
7) Phenol-d6	6.978	99	1607977	78.677	ng	0.01
23) Nitrobenzene-d5	8.919	82	1041804	50.712	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	695759	81.544	ng	0.00
45) 2-Fluorobiphenyl	12.996	172	2441743	52.644	ng	-0.02
79) Terphenyl-d14	19.925	244	3012499	49.711	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	13.925	165	42343	4.328	ng	# 31
62) 4-Nitroaniline	15.278	138	36595	3.243	ng	84
71) Phenanthrene	17.236	178	181636	3.432	ng	# 33
74) Di-n-butylphthalate	18.207	149	178191	2.845	ng	# 52
75) Fluoranthene	19.331	202	460914	7.301	ng	77
78) Pyrene	19.707	202	549972	7.632	ng	# 82
81) Benzo(a)anthracene	21.625	228	276130	3.776	ng	# 78
83) Chrysene	21.695	228	366038	5.345	ng	# 80
84) Bis(2-ethylhexyl)phtha...	21.560	149	288319	5.997	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.848	276	377670	3.738	ng	# 82
88) Benzo(b)fluoranthene	23.942	252	616835	7.593	ng	# 85
89) Benzo(k)fluoranthene	23.942	252	616835	7.588	ng	# 83
90) Benzo(a)pyrene	24.854	252	348164	4.403	ng	# 81
92) Benzo(g,h,i)perylene	30.048	276	443628	5.466	ng	95

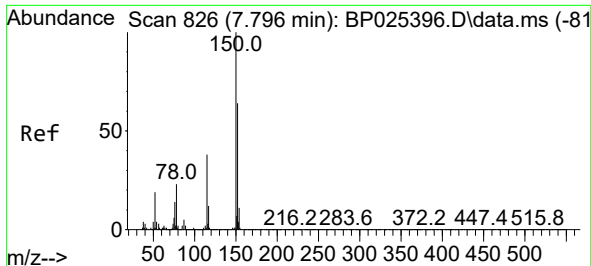
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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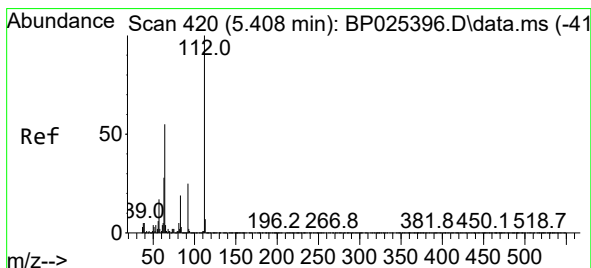
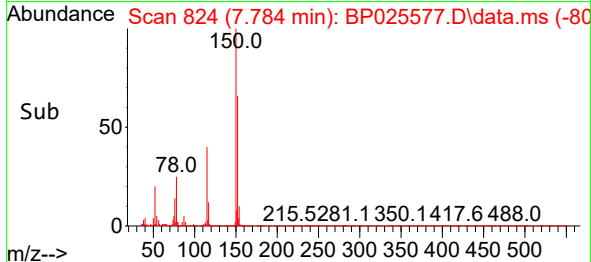
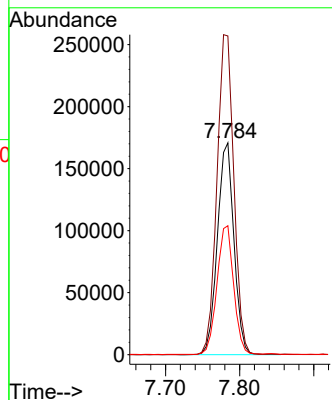
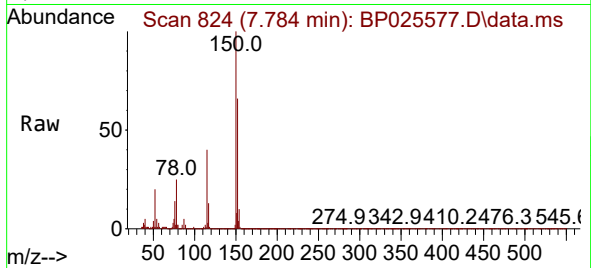




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

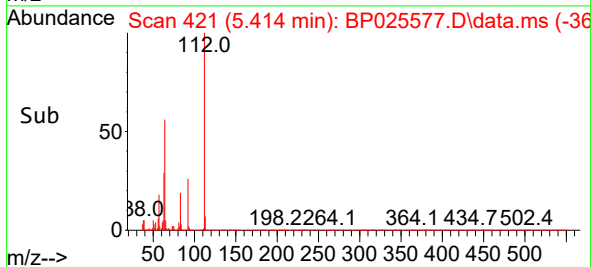
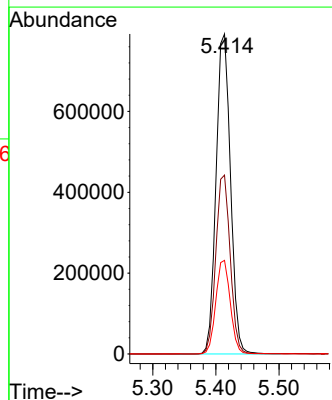
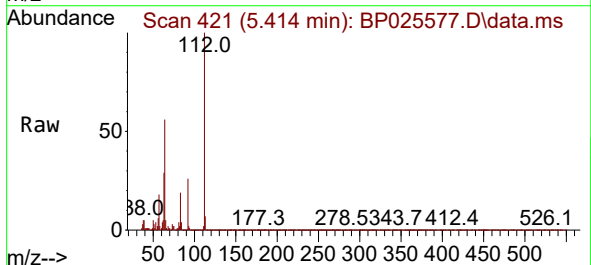
Instrument :
BNA_P
ClientSampleId :
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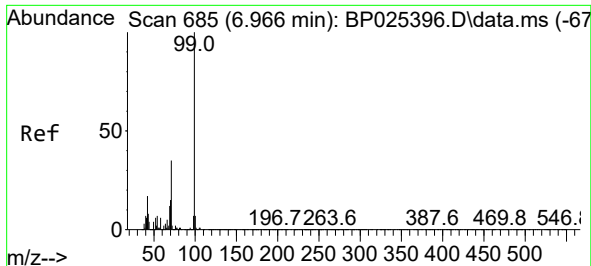
Tgt Ion:152 Resp: 264732
Ion Ratio Lower Upper
152 100
150 150.4 125.9 188.9
115 60.9 48.5 72.7



#5
2-Fluorophenol
Concen: 78.731 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion:112 Resp: 1255050
Ion Ratio Lower Upper
112 100
64 55.9 43.8 65.8
63 29.2 22.7 34.1

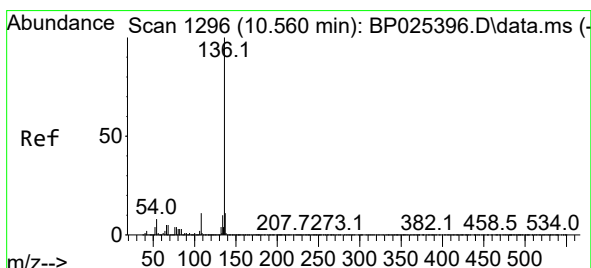
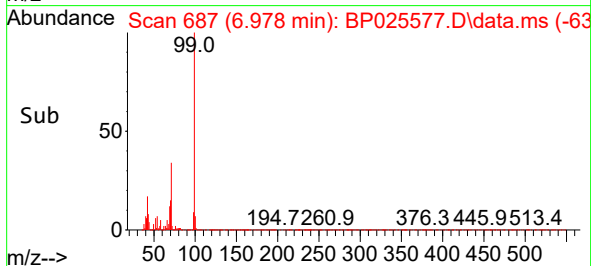
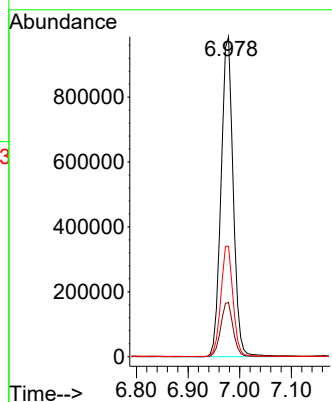
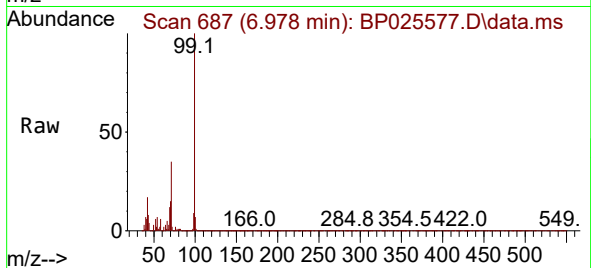




#7
Phenol-d6
Concen: 78.677 ng
RT: 6.978 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

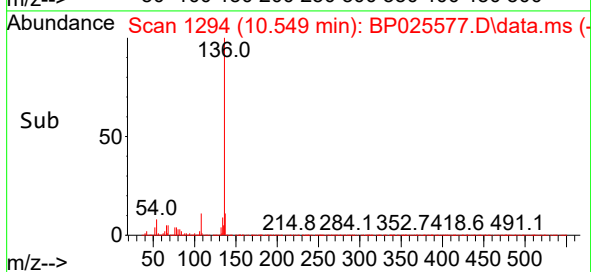
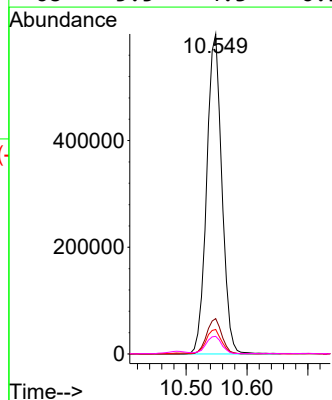
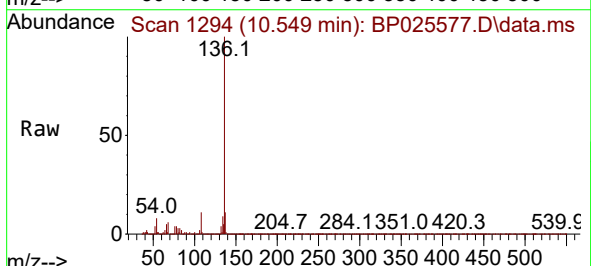
Instrument :
BNA_P
ClientSampleId :
235

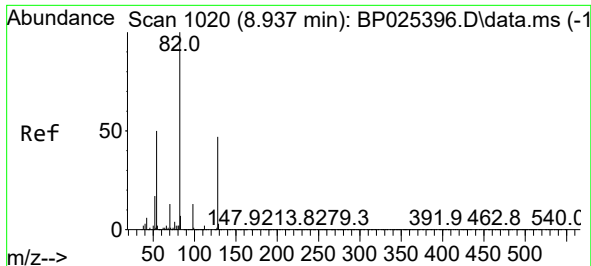
Tgt Ion: 99 Resp: 1607977
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 34.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion: 136 Resp: 1039213
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 7.6 6.0 9.0
68 5.5 4.3 6.5

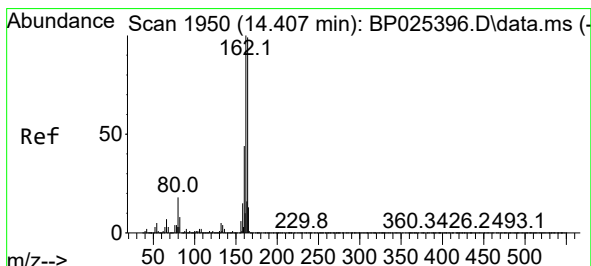
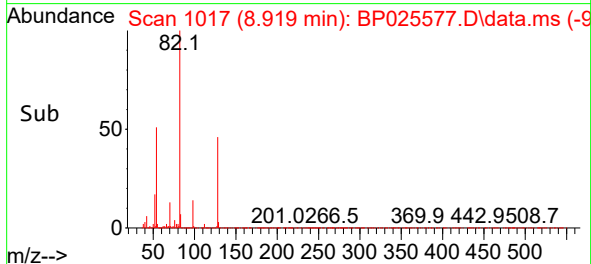
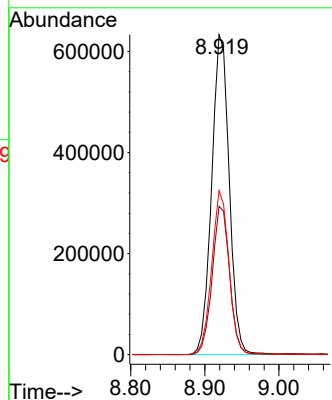
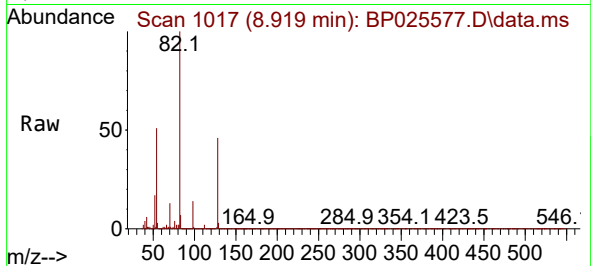




#23
Nitrobenzene-d5
Concen: 50.712 ng
RT: 8.919 min Scan# 1020
Delta R.T. -0.018 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

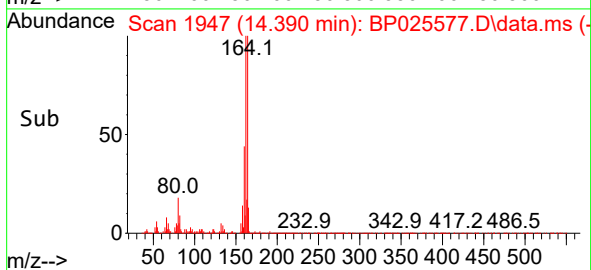
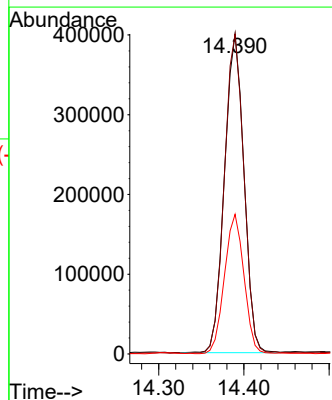
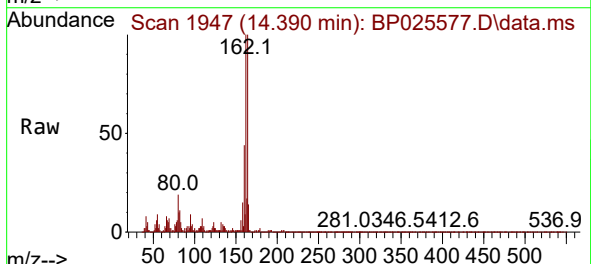
Instrument :
BNA_P
ClientSampleId :
235

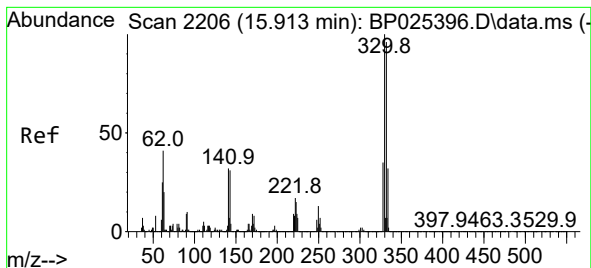
Tgt Ion: 82 Resp: 1041804
Ion Ratio Lower Upper
82 100
128 46.4 37.7 56.5
54 51.3 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion: 164 Resp: 633900
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.6
160 43.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 81.544 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

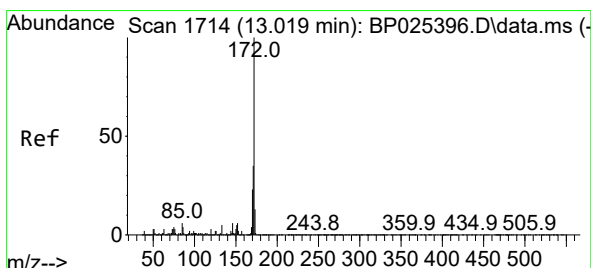
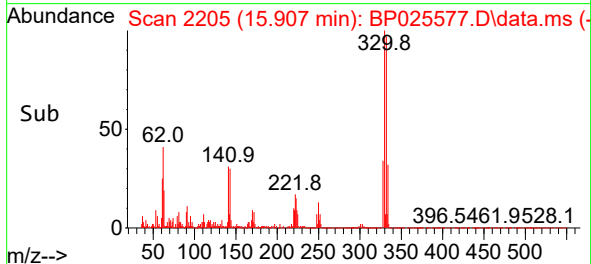
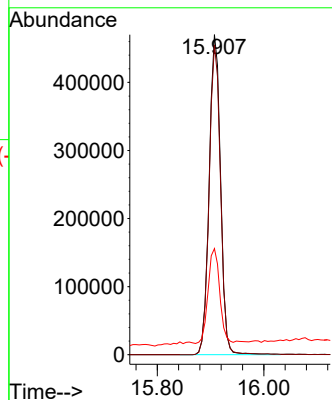
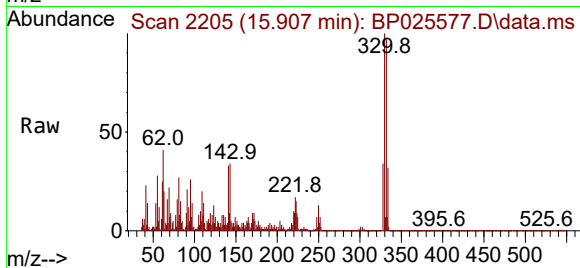
Tgt Ion:330 Resp: 695759

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 30.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 52.644 ng

RT: 12.996 min Scan# 1710

Delta R.T. -0.023 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

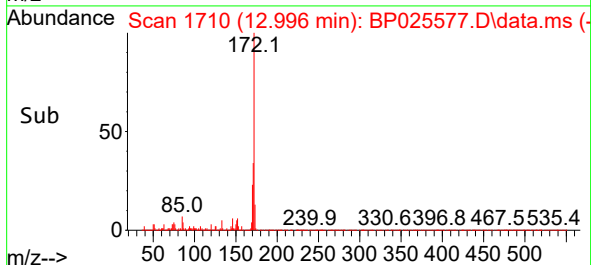
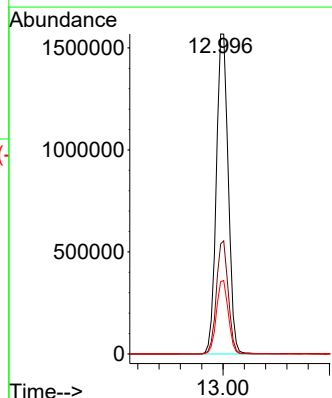
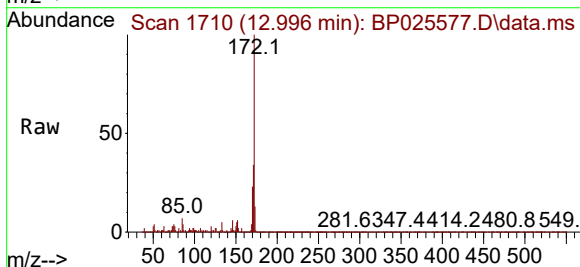
Tgt Ion:172 Resp: 2441743

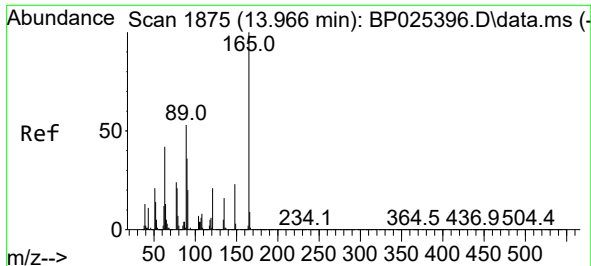
Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 22.6 18.6 28.0

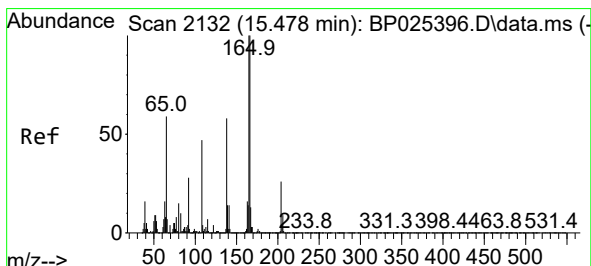
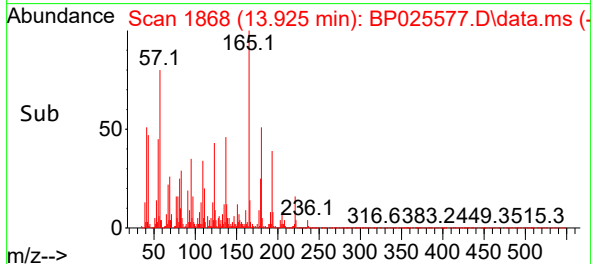
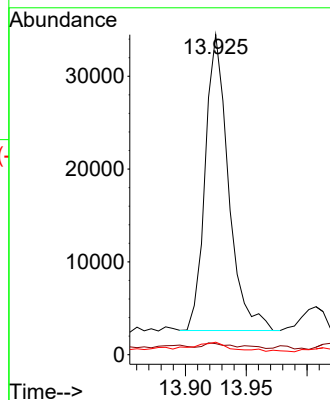
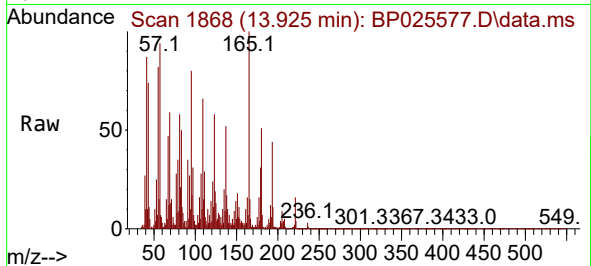




#51
2,6-Dinitrotoluene
Concen: 4.328 ng
RT: 13.925 min Scan# 11
Delta R.T. -0.041 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

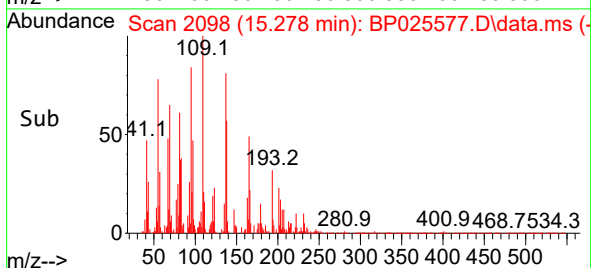
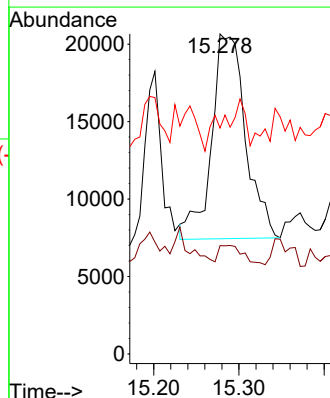
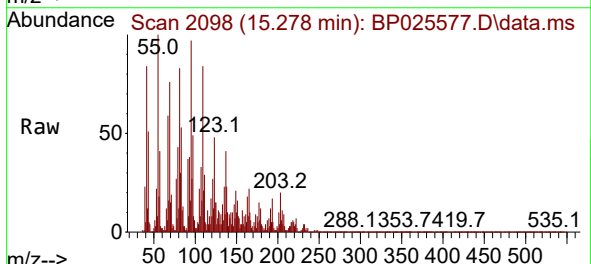
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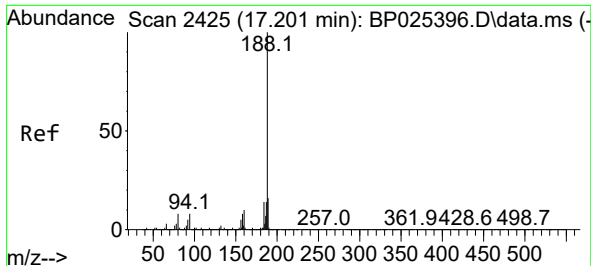
Tgt Ion:165 Resp: 42343
Ion Ratio Lower Upper
165 100
63 3.5 40.9 61.3#
89 3.9 42.1 63.1#



#62
4-Nitroaniline
Concen: 3.243 ng
RT: 15.278 min Scan# 2098
Delta R.T. -0.200 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion:138 Resp: 36595
Ion Ratio Lower Upper
138 100
92 33.8 29.1 69.1
108 70.6 61.5 101.5

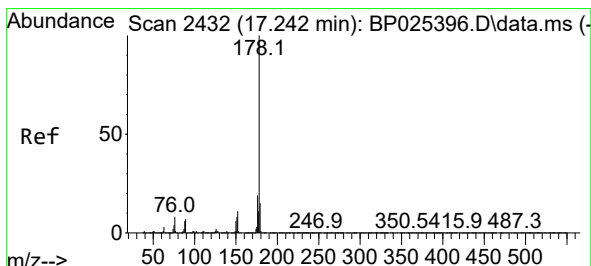
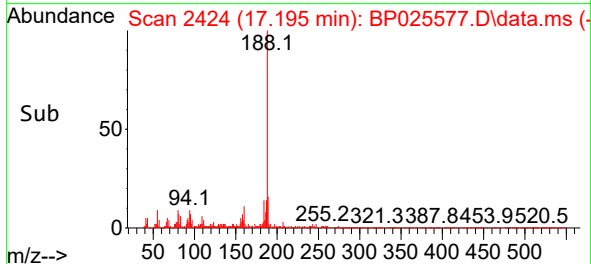
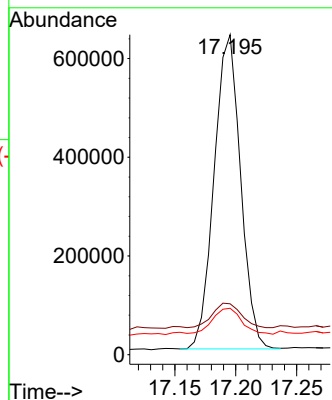
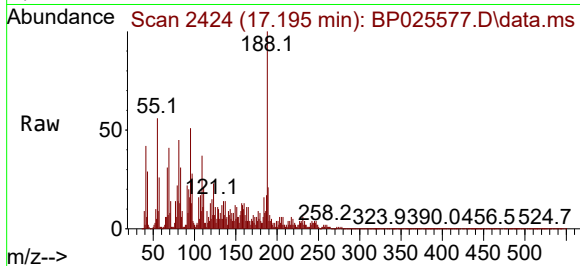




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

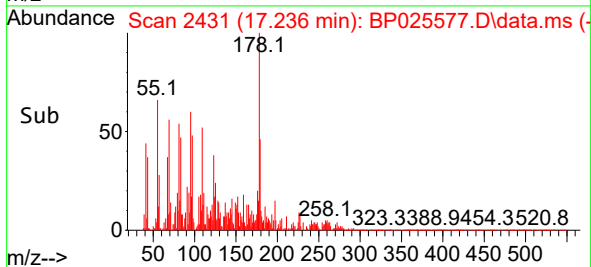
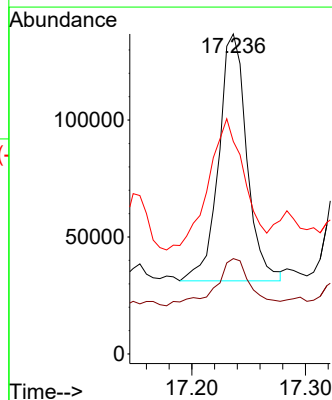
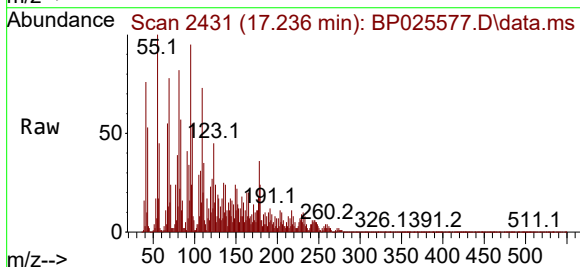
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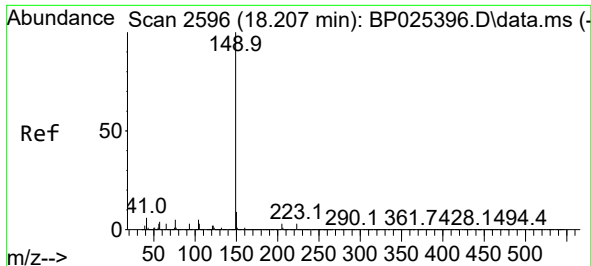
Tgt Ion:188 Resp: 963421
Ion Ratio Lower Upper
188 100
94 15.9 6.6 10.0#
80 14.5 6.7 10.1#



#71
Phenanthrene
Concen: 3.432 ng
RT: 17.236 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion:178 Resp: 181636
Ion Ratio Lower Upper
178 100
176 29.8 15.5 23.3#
179 66.4 12.2 18.4#

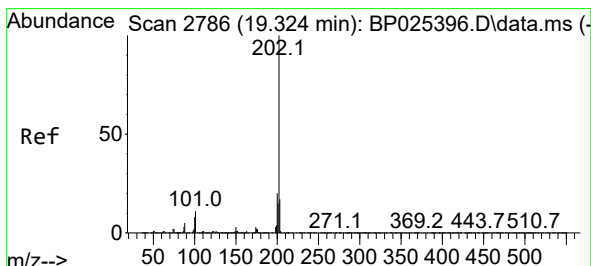
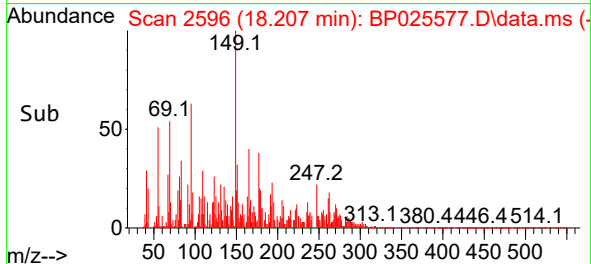
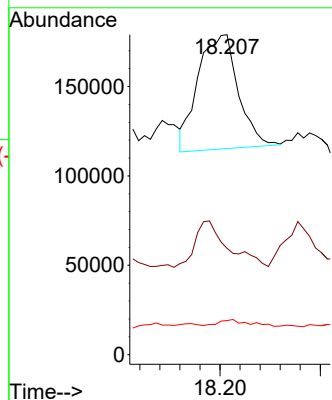
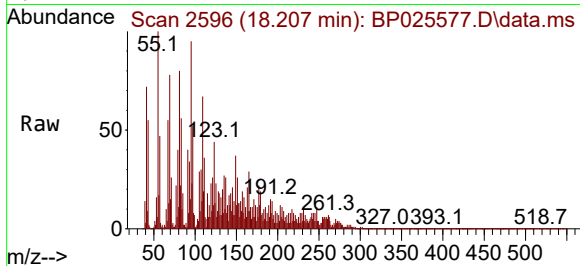




#74
Di-n-butylphthalate
Concen: 2.845 ng
RT: 18.207 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

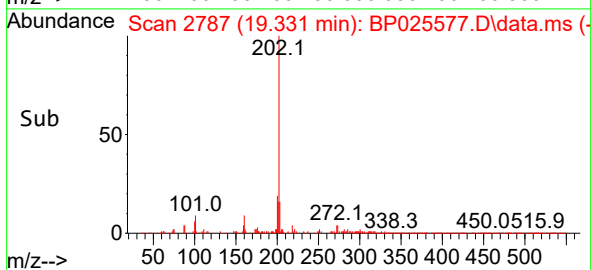
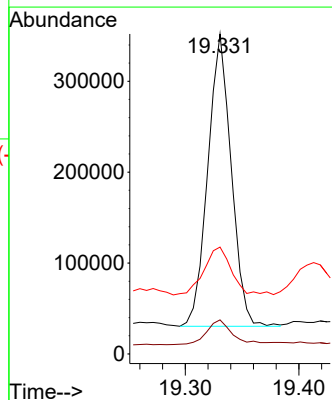
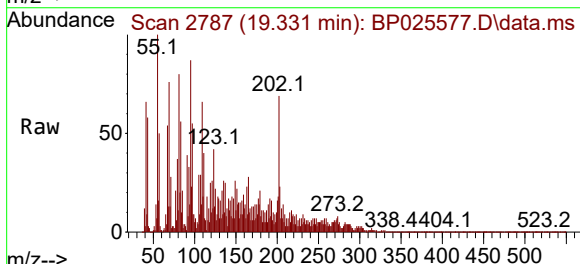
Instrument :
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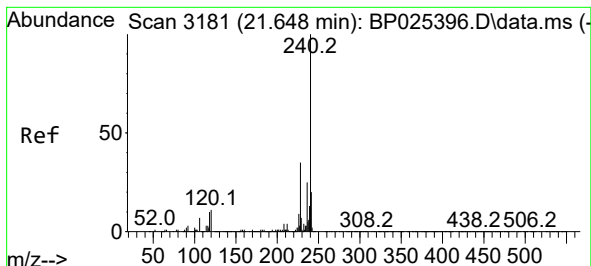
Tgt Ion:149 Resp: 178191
Ion Ratio Lower Upper
149 100
150 33.2 7.4 11.0#
104 10.7 4.2 6.2#



#75
Fluoranthene
Concen: 7.301 ng
RT: 19.331 min Scan# 2787
Delta R.T. 0.006 min
Lab File: BP025577.D
Acq: 25 Aug 2025 23:18

Tgt Ion:202 Resp: 460914
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.1
203 33.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.648 min Scan# 3181

Delta R.T. 0.000 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

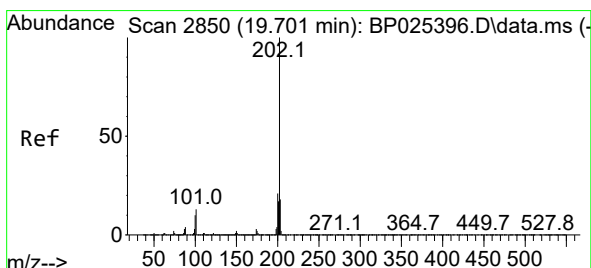
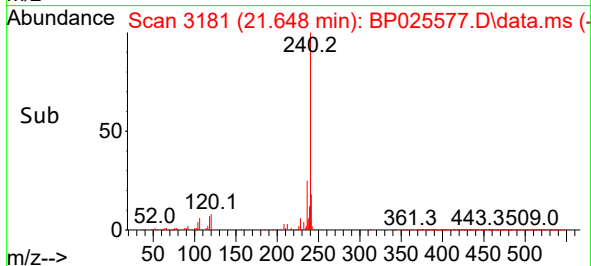
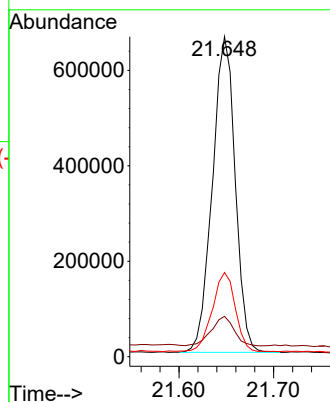
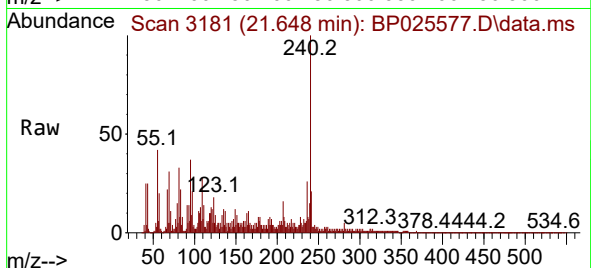
Tgt Ion:240 Resp: 1108729

Ion Ratio Lower Upper

240 100

120 12.6 8.9 13.3

236 26.3 19.8 29.8



#78

Pyrene

Concen: 7.632 ng

RT: 19.707 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

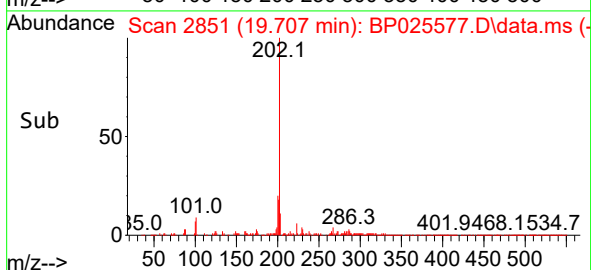
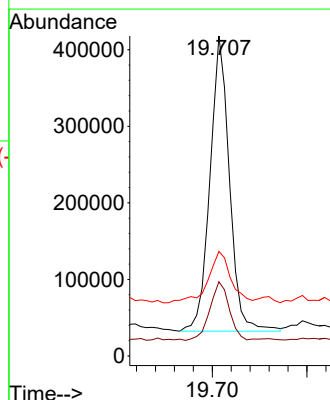
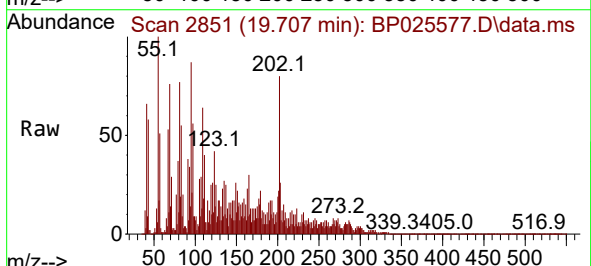
Tgt Ion:202 Resp: 549972

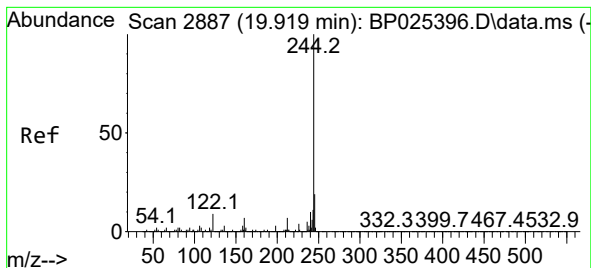
Ion Ratio Lower Upper

202 100

200 23.2 16.9 25.3

203 32.7 14.2 21.2#





#79

Terphenyl-d14

Concen: 49.711 ng

RT: 19.925 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

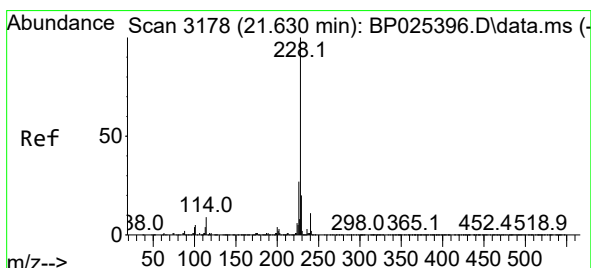
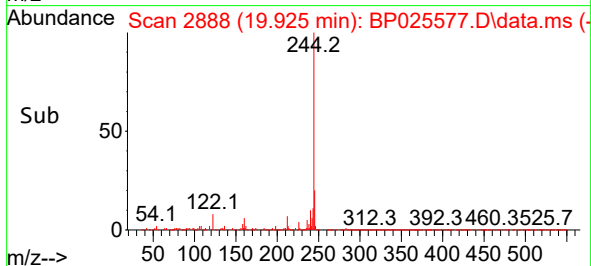
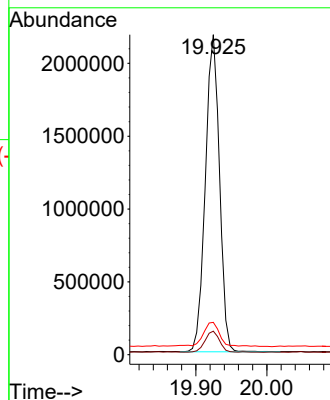
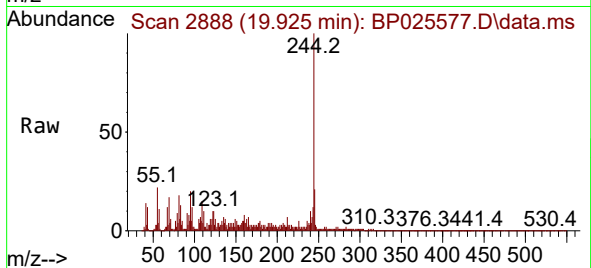
Tgt Ion:244 Resp: 3012499

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 10.1 7.4 11.2



#81

Benzo(a)anthracene

Concen: 3.776 ng

RT: 21.625 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

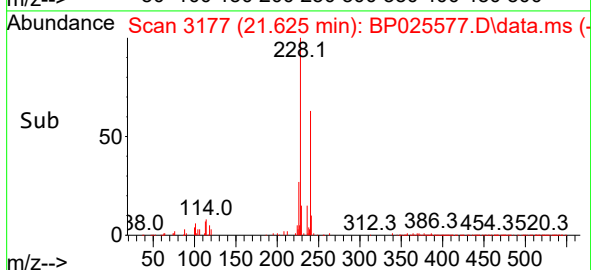
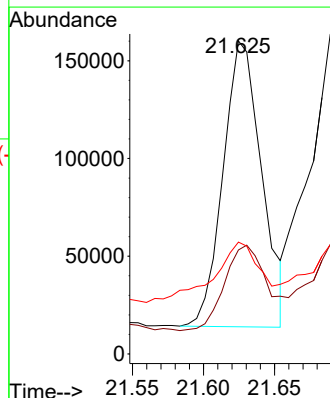
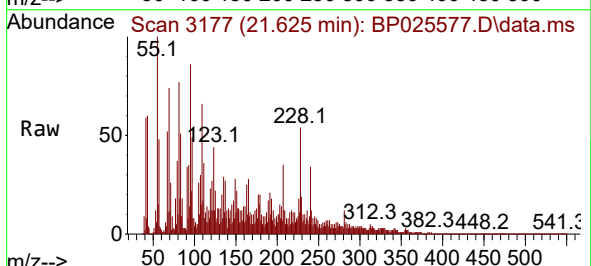
Tgt Ion:228 Resp: 276130

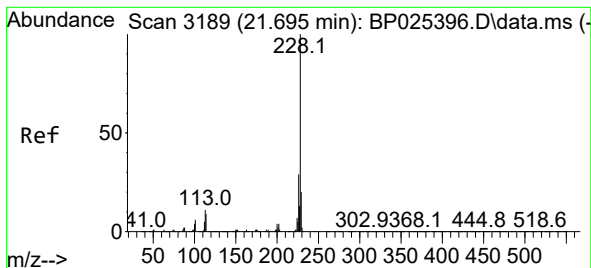
Ion Ratio Lower Upper

228 100

226 33.2 21.7 32.5#

229 35.7 15.6 23.4#





#83

Chrysene

Concen: 5.345 ng

RT: 21.695 min Scan# 3189

Delta R.T. 0.000 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

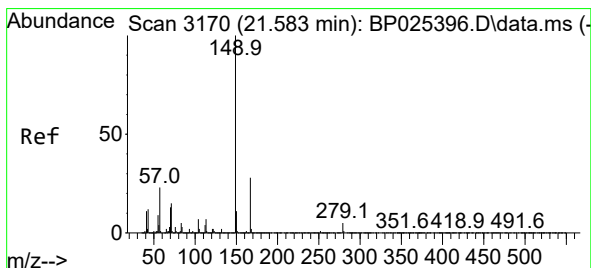
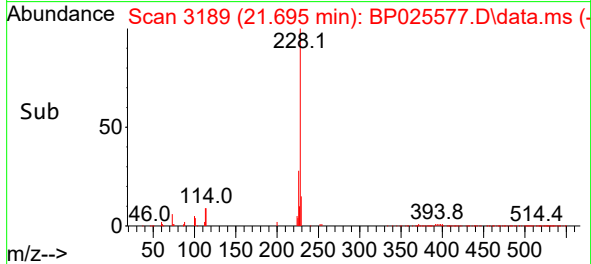
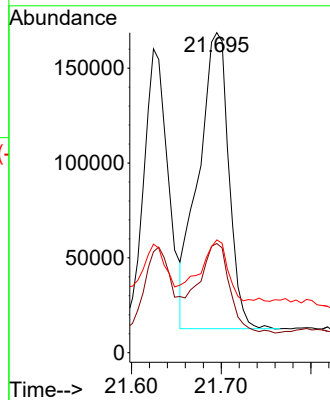
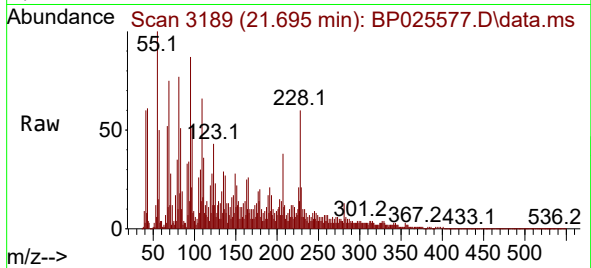
Tgt Ion:228 Resp: 366038

Ion Ratio Lower Upper

228 100

226 34.1 23.2 34.8

229 35.2 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.997 ng

RT: 21.560 min Scan# 3166

Delta R.T. -0.023 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

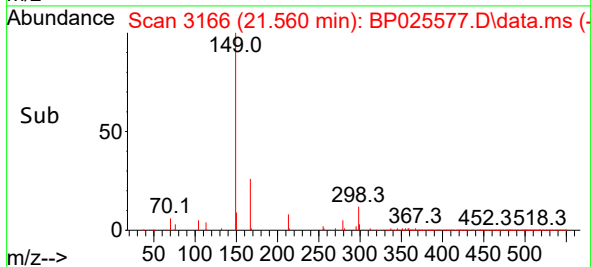
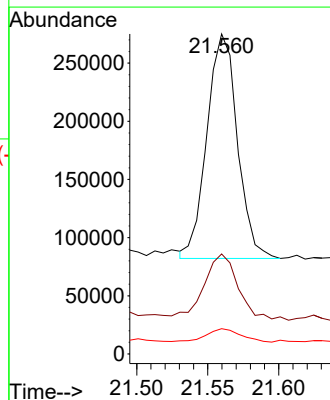
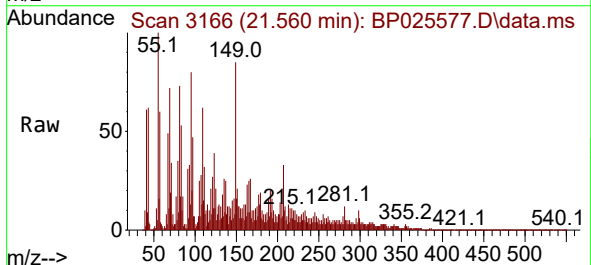
Tgt Ion:149 Resp: 288319

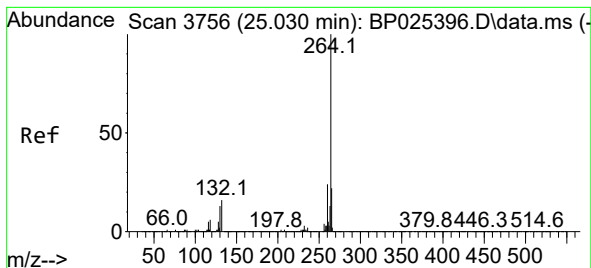
Ion Ratio Lower Upper

149 100

167 31.2 22.1 33.1

279 7.9 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

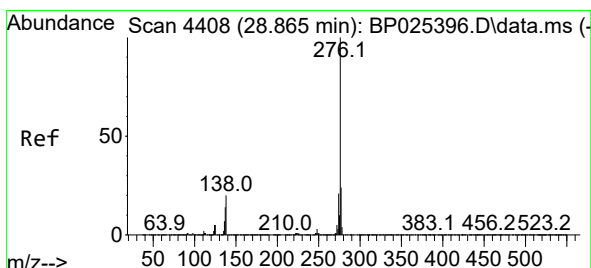
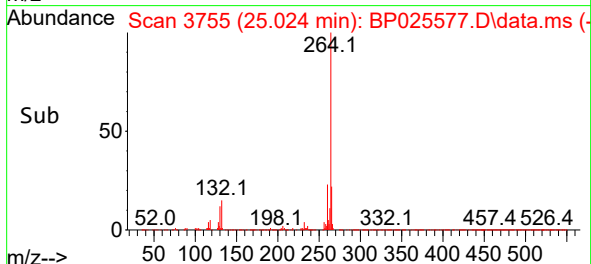
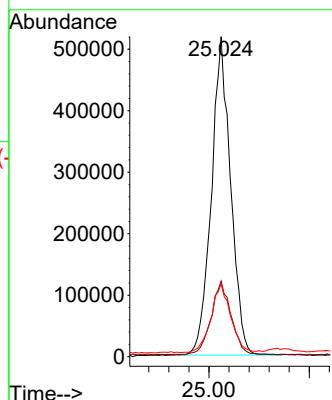
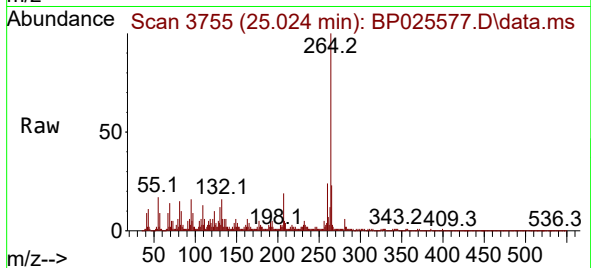
Tgt Ion:264 Resp: 1377727

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 22.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.738 ng

RT: 28.848 min Scan# 4405

Delta R.T. -0.017 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

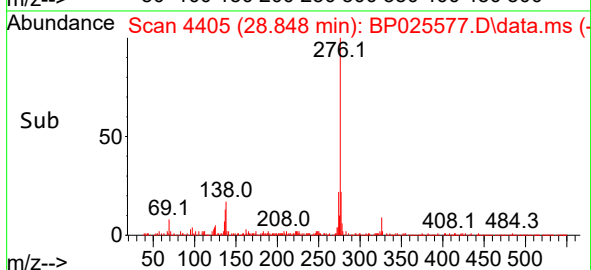
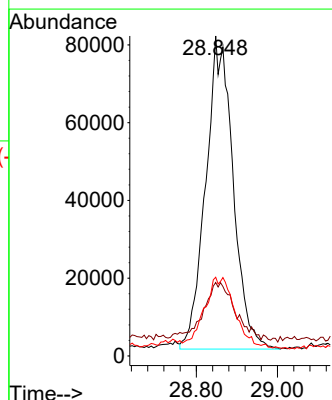
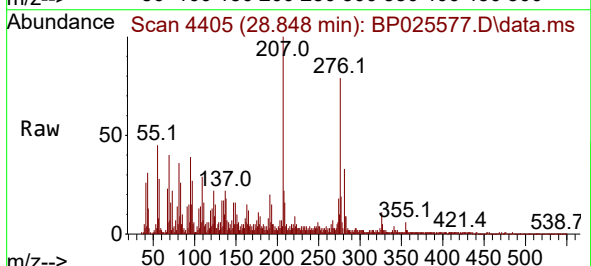
Tgt Ion:276 Resp: 377670

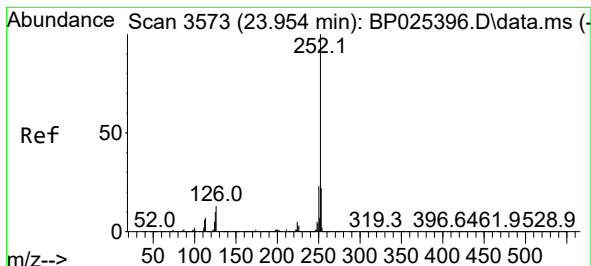
Ion Ratio Lower Upper

276 100

138 21.3 12.9 19.3#

277 10.5 17.0 25.6#





#88

Benzo(b)fluoranthene

Concen: 7.593 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

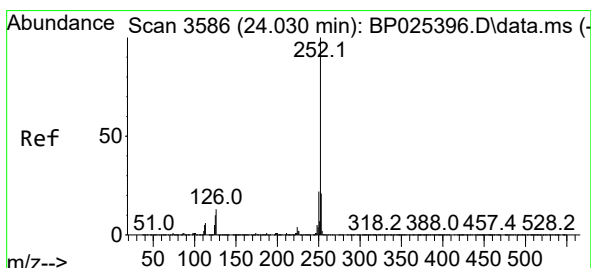
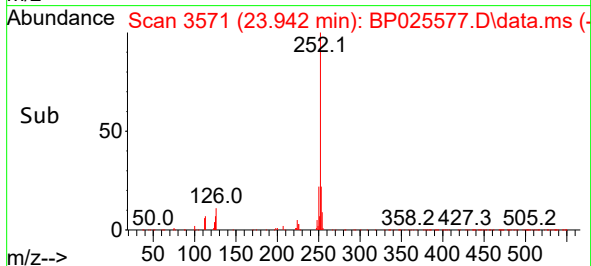
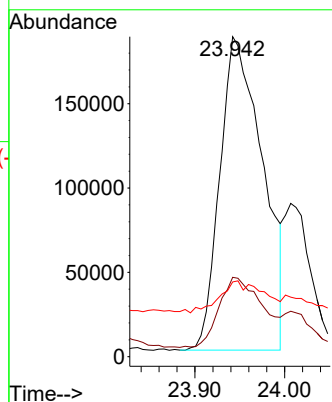
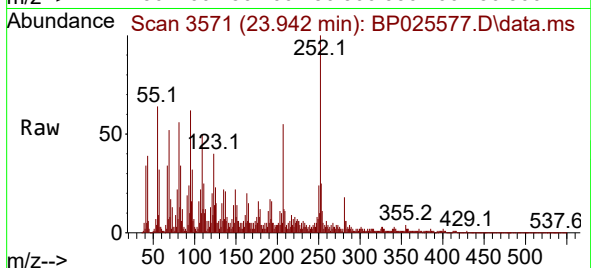
Tgt Ion:252 Resp: 616835

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 23.4 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 7.588 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.088 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

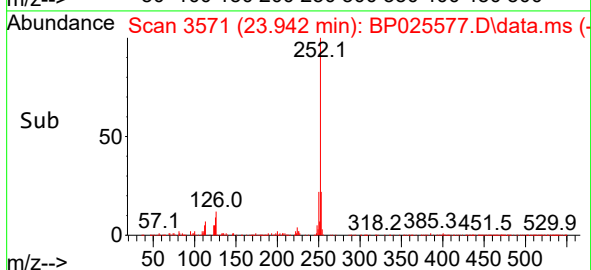
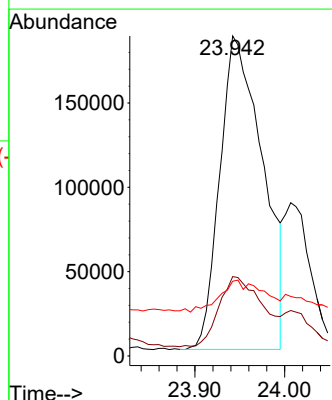
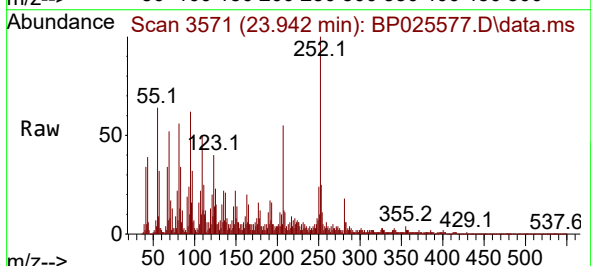
Tgt Ion:252 Resp: 616835

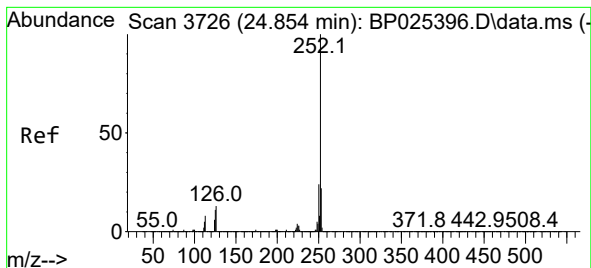
Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 23.4 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 4.403 ng

RT: 24.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Instrument :

BNA_P

ClientSampleId :

235

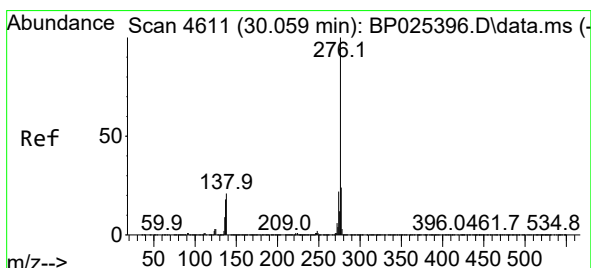
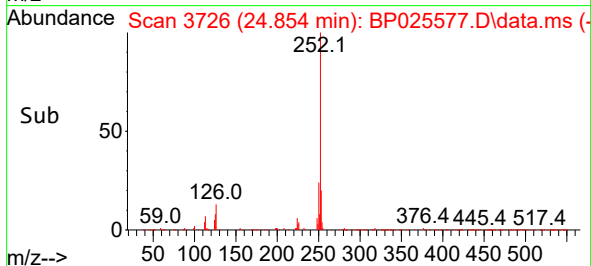
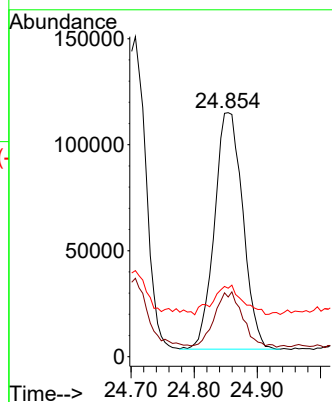
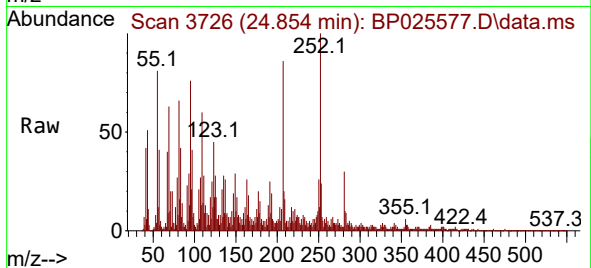
Tgt Ion:252 Resp: 348164

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 28.1 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 5.466 ng

RT: 30.048 min Scan# 4609

Delta R.T. -0.012 min

Lab File: BP025577.D

Acq: 25 Aug 2025 23:18

Tgt Ion:276 Resp: 443628

Ion Ratio Lower Upper

276 100

277 25.7 19.4 29.0

138 24.2 16.7 25.1

