

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025575.D
 Acq On : 25 Aug 2025 21:55
 Operator : CG/JU
 Sample : Q2947-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 291

Quant Time: Aug 26 01:17:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

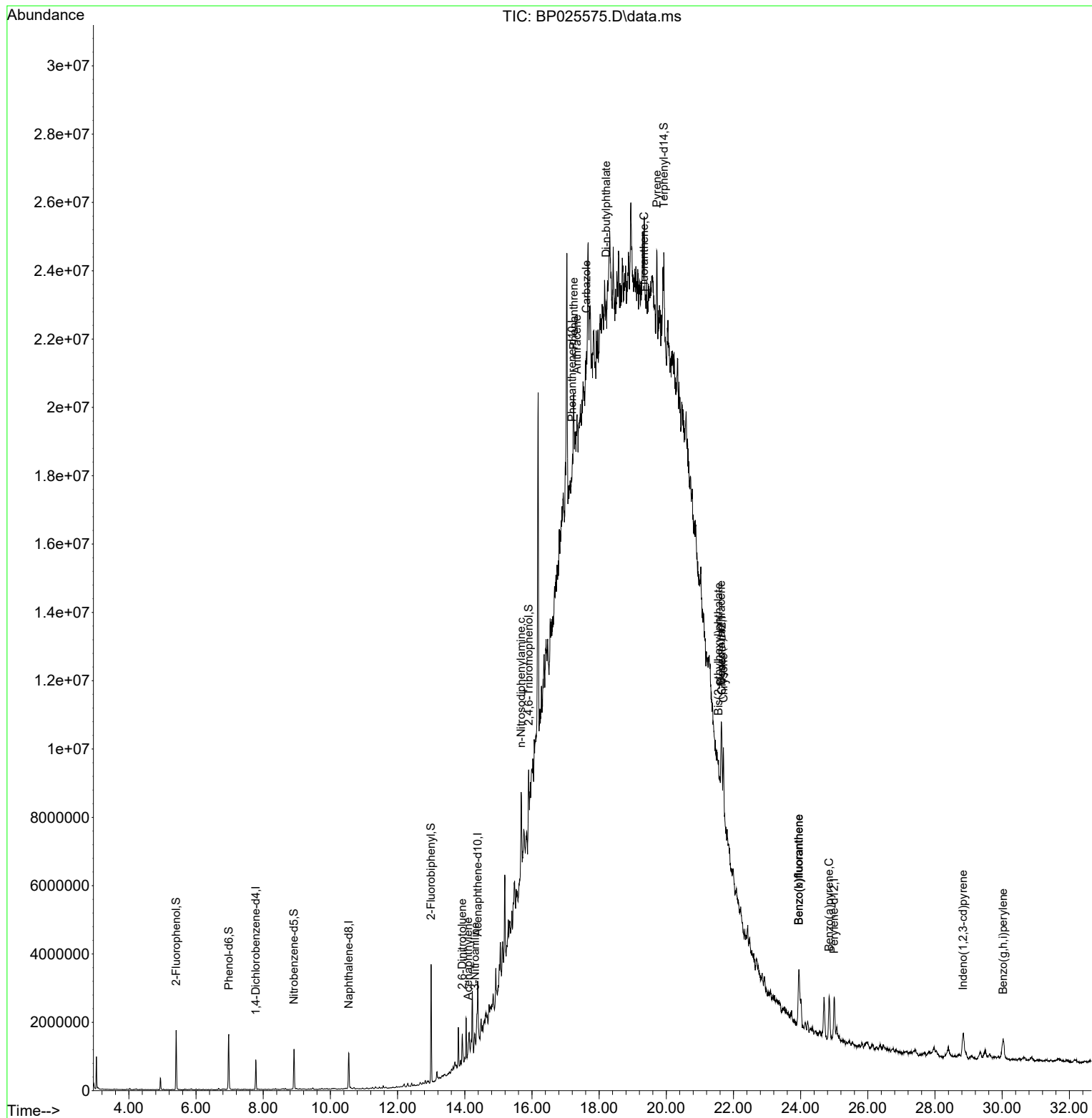
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	227012	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	918501	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	554930	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	739712	20.000	ng	# 0.00
76) Chrysene-d12	21.654	240	976647	20.000	ng	0.00
86) Perylene-d12	24.995	264	1240532	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	760720	55.650	ng	0.00
7) Phenol-d6	6.972	99	981110	55.981	ng	0.00
23) Nitrobenzene-d5	8.913	82	699375	38.517	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	419528	56.166	ng	-0.01
45) 2-Fluorobiphenyl	12.996	172	1719072	42.337	ng	-0.02
79) Terphenyl-d14	19.925	244	1825028	34.189	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.101	152	126982	2.446	ng	# 74
51) 2,6-Dinitrotoluene	13.925	165	111325	12.998	ng	# 31
53) 3-Nitroaniline	14.301	138	23961	2.486	ng	# 17
66) n-Nitrosodiphenylamine	15.678	169	65295	2.895	ng	# 67
71) Phenanthrene	17.242	178	1144400	28.163	ng	# 76
72) Anthracene	17.337	178	316062	7.617	ng	# 50
73) Carbazole	17.619	167	82289	2.105	ng	# 1
74) Di-n-butylphthalate	18.207	149	157667	3.279	ng	# 28
75) Fluoranthene	19.342	202	1737681	35.850	ng	89
78) Pyrene	19.719	202	2530042	39.856	ng	# 95
81) Benzo(a)anthracene	21.630	228	1550152	24.067	ng	97
83) Chrysene	21.701	228	1614010	26.757	ng	96
84) Bis(2-ethylhexyl)phtha...	21.554	149	156709	3.700	ng	# 77
87) Indeno(1,2,3-cd)pyrene	28.836	276	1115581	12.262	ng	# 90
88) Benzo(b)fluoranthene	23.948	252	2155920	29.472	ng	97
89) Benzo(k)fluoranthene	23.948	252	2155920	29.452	ng	96
90) Benzo(a)pyrene	24.848	252	1494931	20.994	ng	99
92) Benzo(g,h,i)perylene	30.024	276	1188529	16.263	ng	99

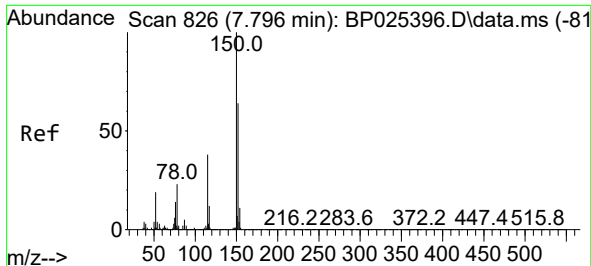
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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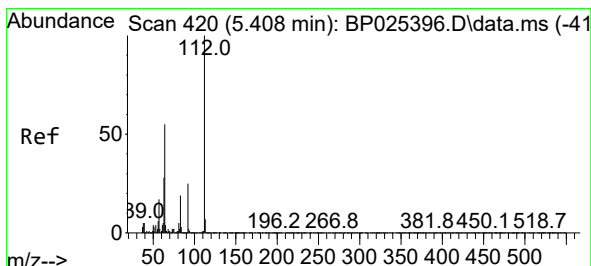
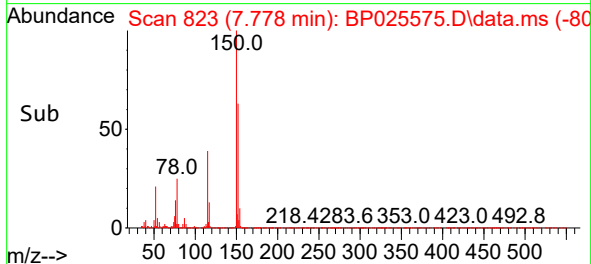
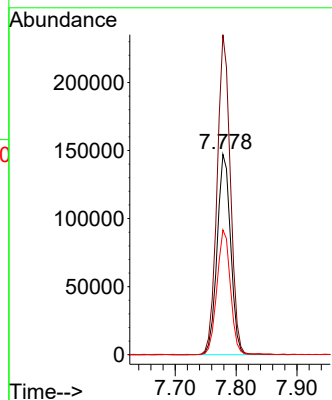
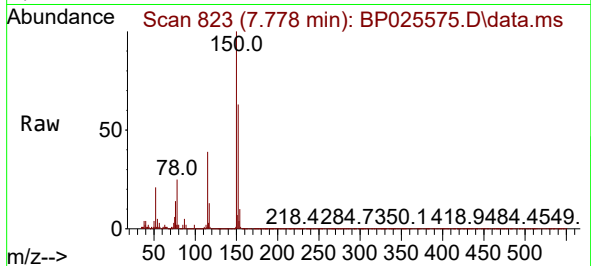




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

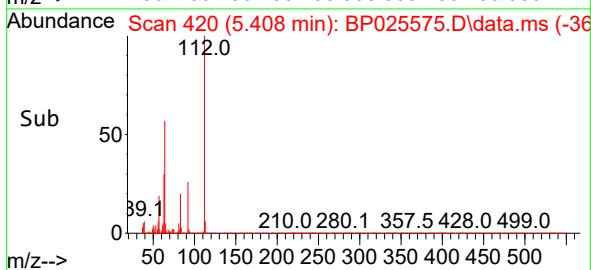
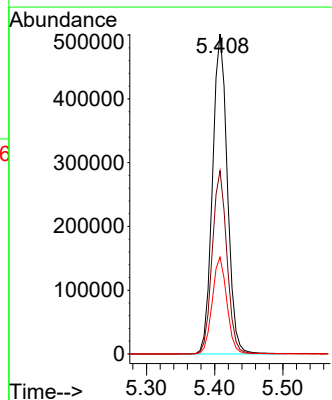
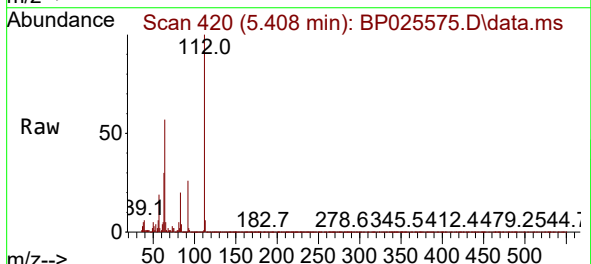
Instrument :
BNA_P
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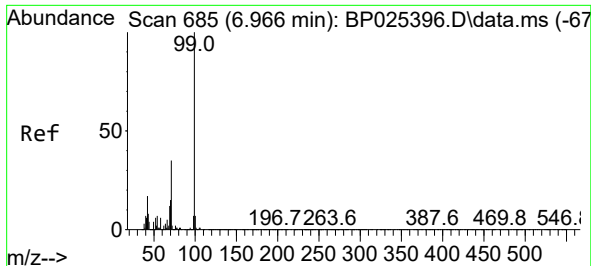
Tgt Ion:152 Resp: 227012
Ion Ratio Lower Upper
152 100
150 159.7 125.9 188.9
115 62.3 48.5 72.7



#5
2-Fluorophenol
Concen: 55.650 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion:112 Resp: 760720
Ion Ratio Lower Upper
112 100
64 57.3 43.8 65.8
63 30.3 22.7 34.1

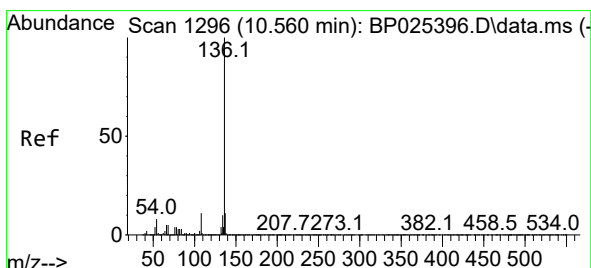
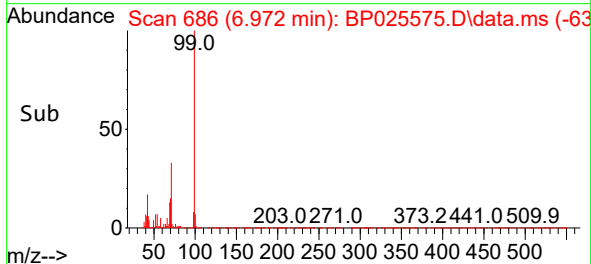
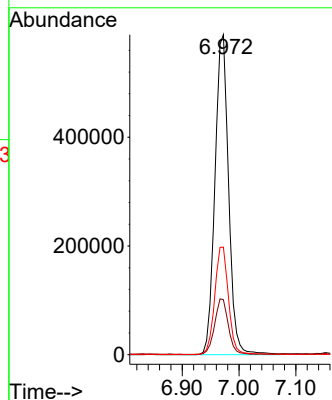
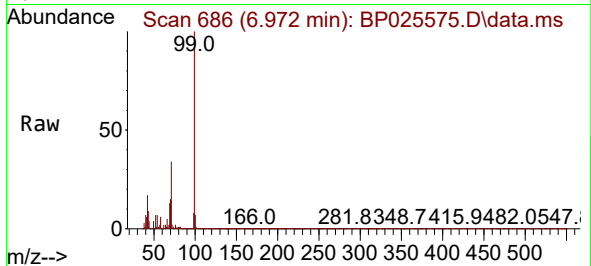




#7
Phenol-d6
Concen: 55.981 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

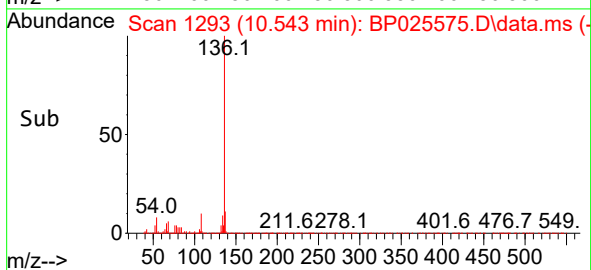
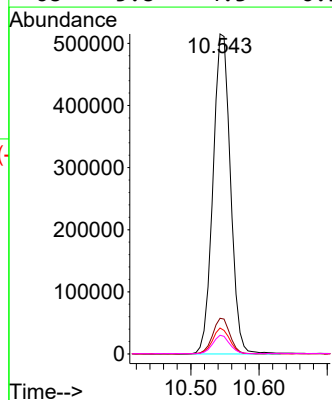
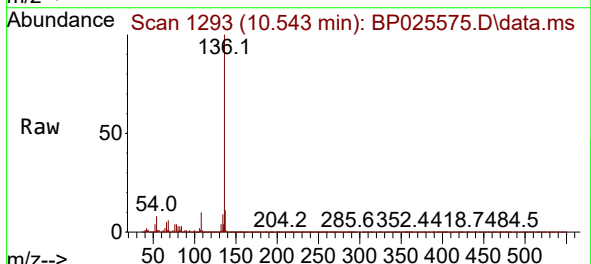
Instrument :
BNA_P
ClientSampleId :
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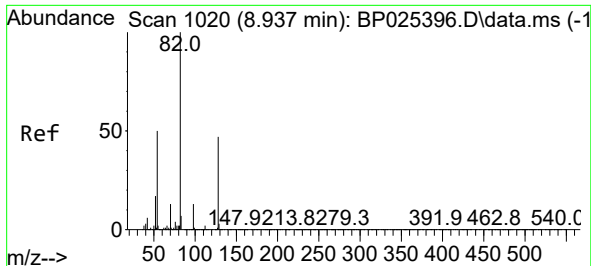
Tgt Ion: 99 Resp: 981110
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.017 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion: 136 Resp: 918501
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.1 6.0 9.0
68 5.8 4.3 6.5

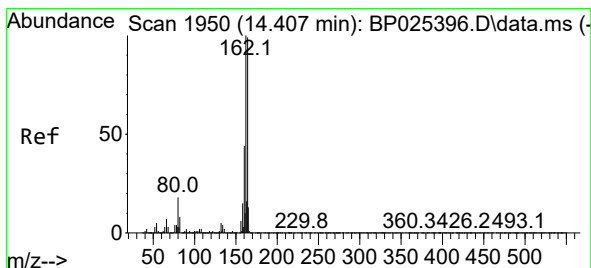
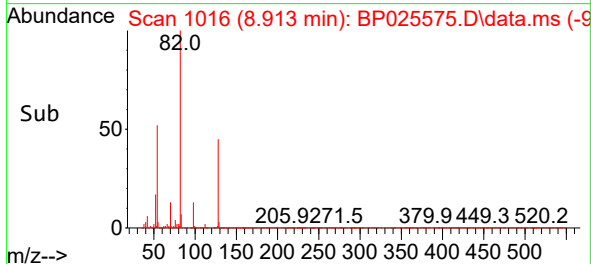
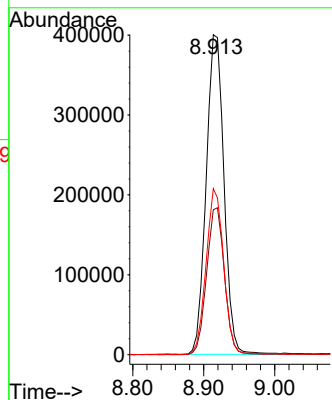
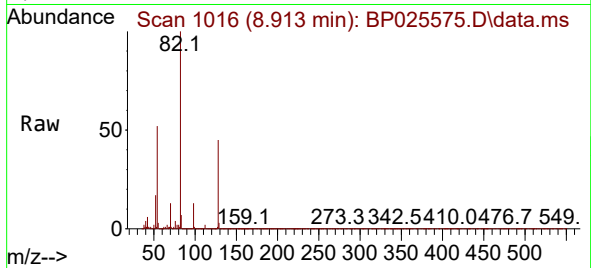




#23
Nitrobenzene-d5
Concen: 38.517 ng
RT: 8.913 min Scan# 1020
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

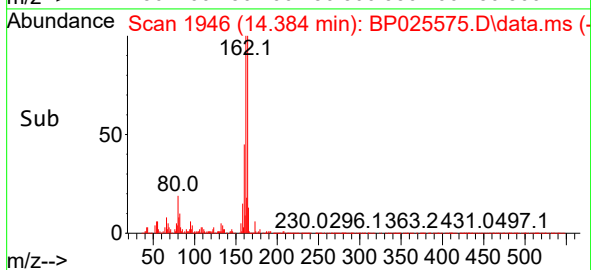
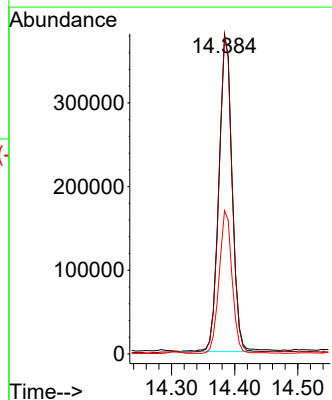
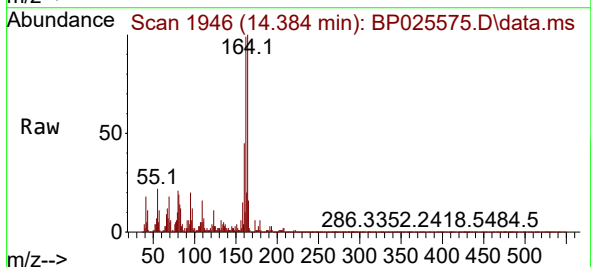
Instrument :
BNA_P
ClientSampleId :
291

Tgt Ion: 82 Resp: 699375
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 51.9 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion:164 Resp: 554930
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.6
160 44.8 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 56.166 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

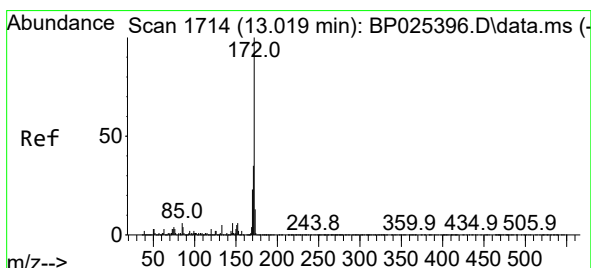
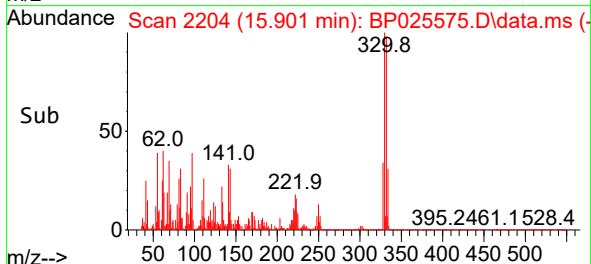
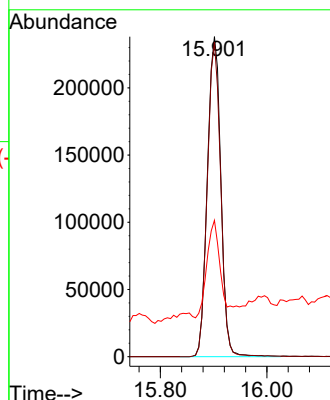
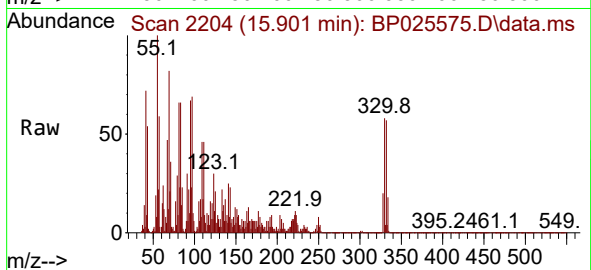
Tgt Ion:330 Resp: 419528

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

141 30.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 42.337 ng

RT: 12.996 min Scan# 1710

Delta R.T. -0.023 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

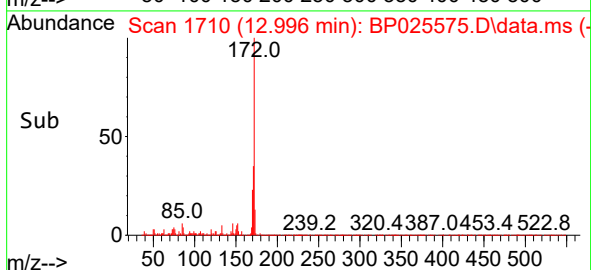
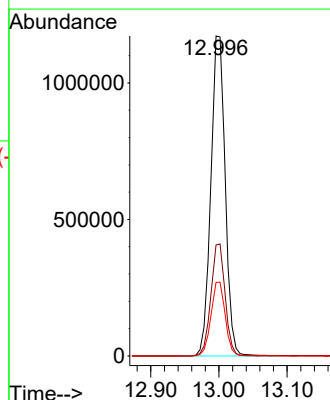
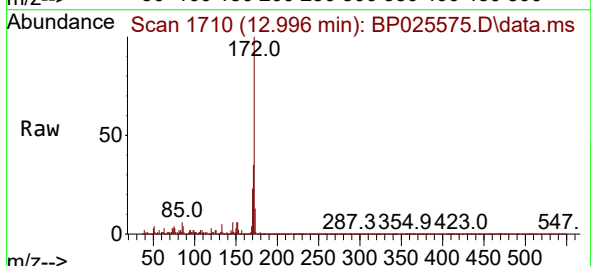
Tgt Ion:172 Resp: 1719072

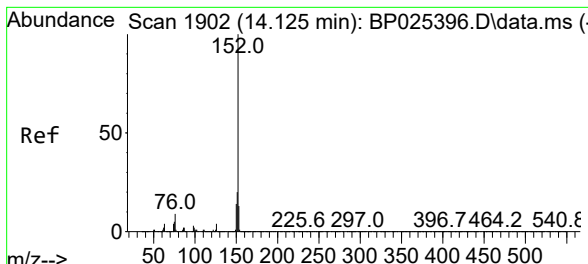
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.0 18.6 28.0



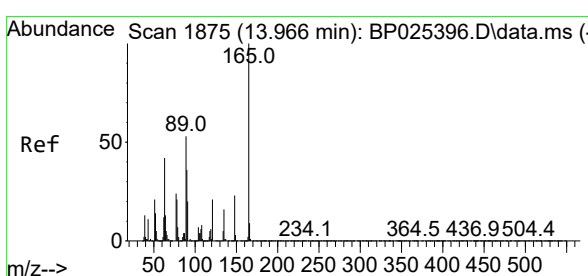
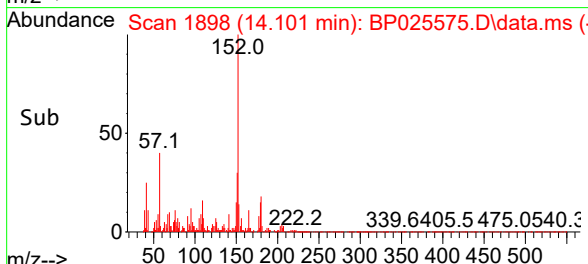
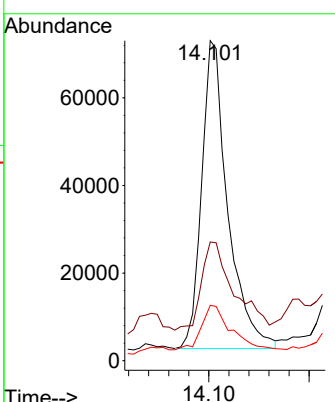
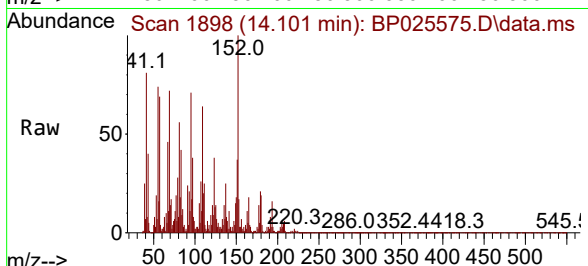


#49
 Acenaphthylene
 Concen: 2.446 ng
 RT: 14.101 min Scan# 1898
 Delta R.T. -0.023 min
 Lab File: BP025575.D
 Acq: 25 Aug 2025 21:55

Instrument : BNA_P
 ClientSampleId : 291

Tgt Ion:152 Resp: 126982

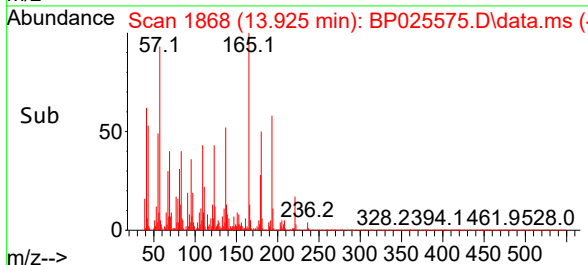
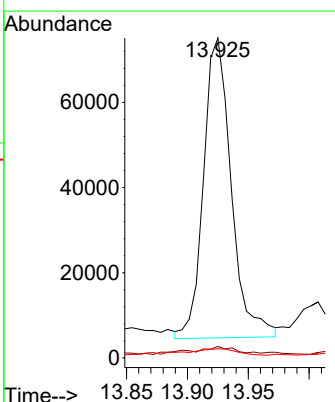
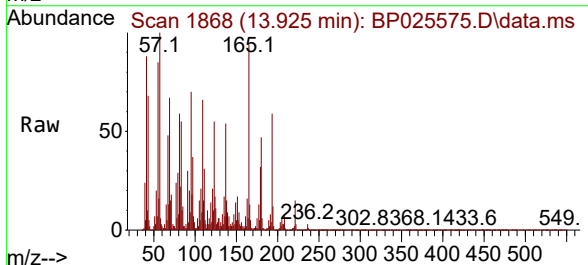
Ion	Ratio	Lower	Upper
152	100		
151	37.1	16.0	24.0#
153	17.3	10.6	15.8#

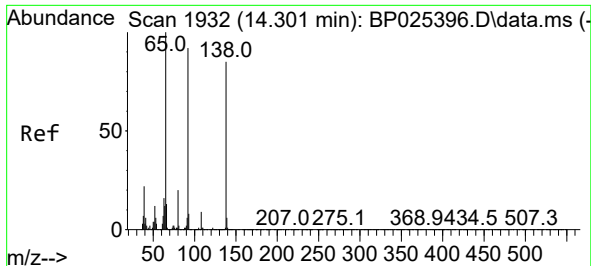


#51
 2,6-Dinitrotoluene
 Concen: 12.998 ng
 RT: 13.925 min Scan# 1868
 Delta R.T. -0.041 min
 Lab File: BP025575.D
 Acq: 25 Aug 2025 21:55

Tgt Ion:165 Resp: 111325

Ion	Ratio	Lower	Upper
165	100		
63	3.6	40.9	61.3#
89	2.9	42.1	63.1#

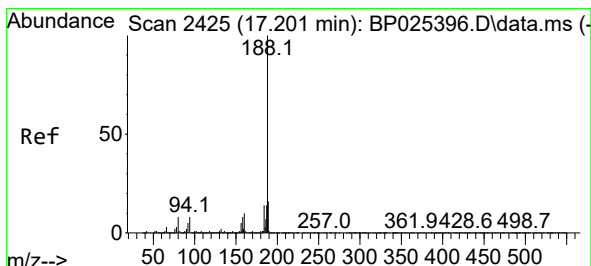
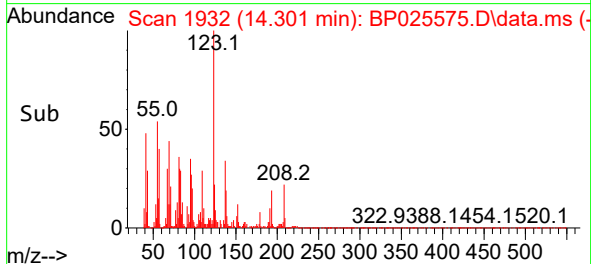
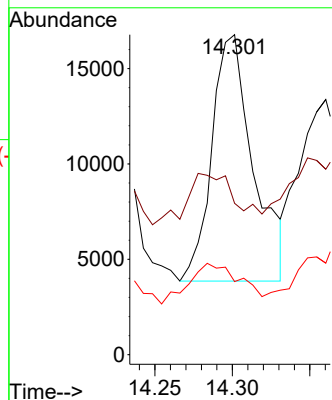
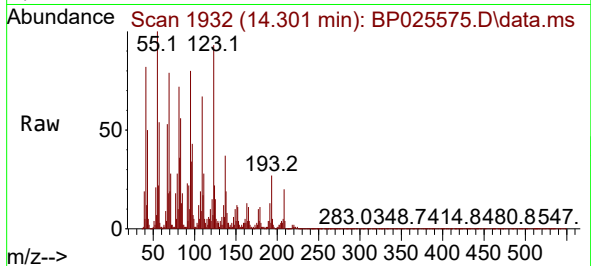




#53
3-Nitroaniline
Concen: 2.486 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

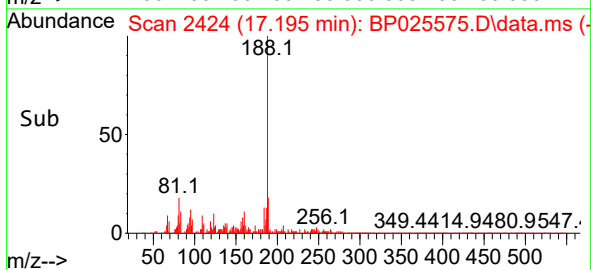
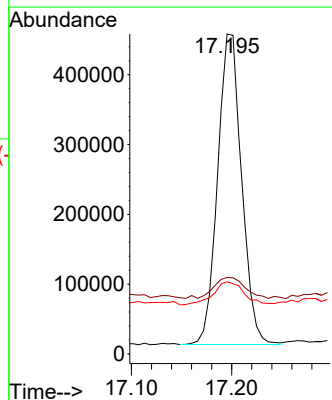
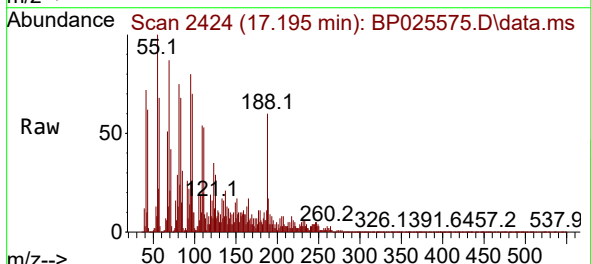
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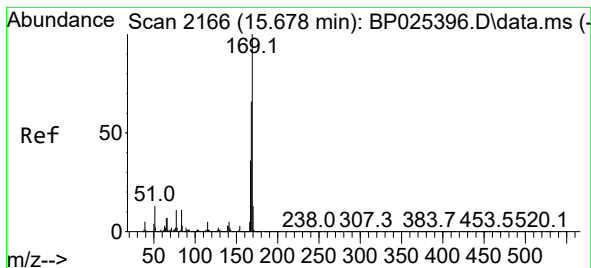
Tgt Ion:138 Resp: 23961
Ion Ratio Lower Upper
138 100
108 47.3 8.3 12.5#
92 22.9 86.2 129.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion:188 Resp: 739712
Ion Ratio Lower Upper
188 100
94 23.9 6.6 10.0#
80 22.5 6.7 10.1#





#66

n-Nitrosodiphenylamine

Concen: 2.895 ng

RT: 15.678 min Scan# 2166

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

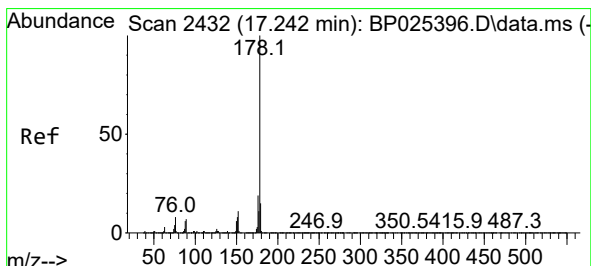
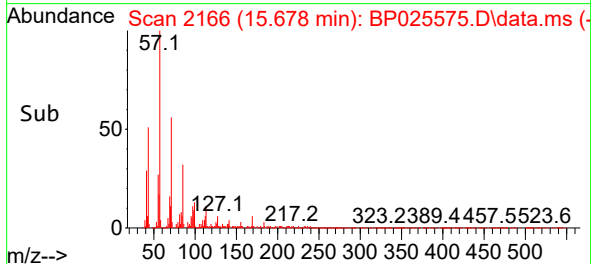
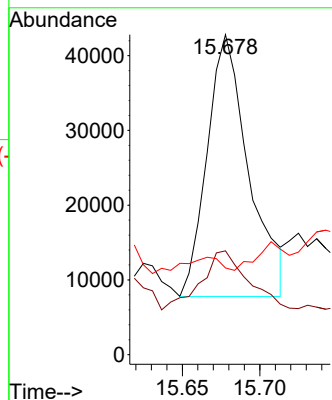
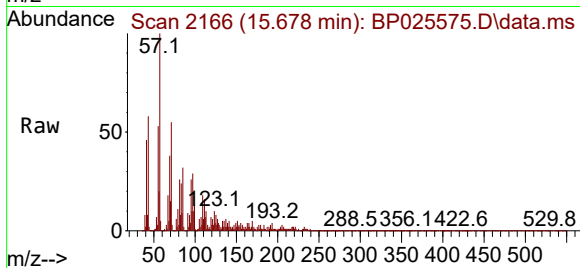
Tgt Ion:169 Resp: 65295

Ion Ratio Lower Upper

169 100

168 32.5 53.2 79.8#

167 27.1 28.7 43.1#



#71

Phenanthrene

Concen: 28.163 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

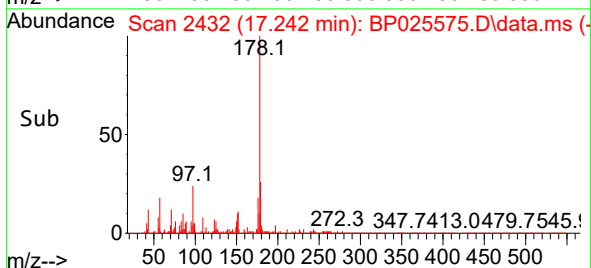
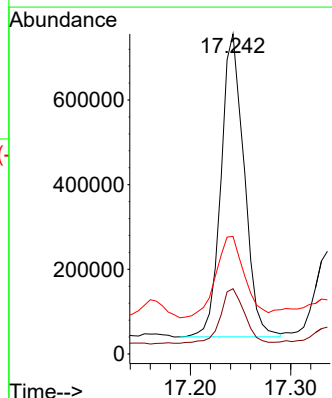
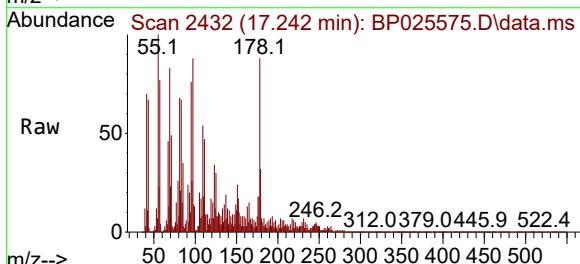
Tgt Ion:178 Resp: 1144400

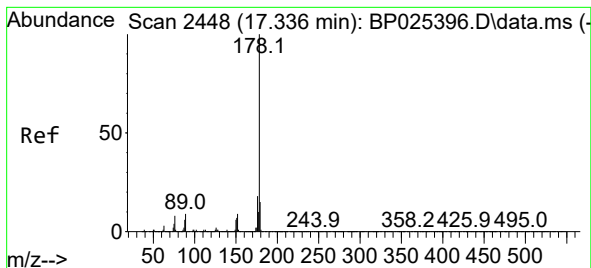
Ion Ratio Lower Upper

178 100

176 20.4 15.5 23.3

179 36.7 12.2 18.4#





#72

Anthracene

Concen: 7.617 ng

RT: 17.337 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

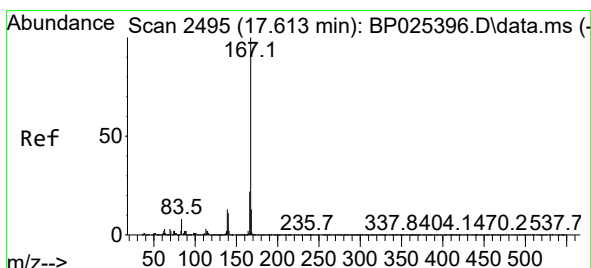
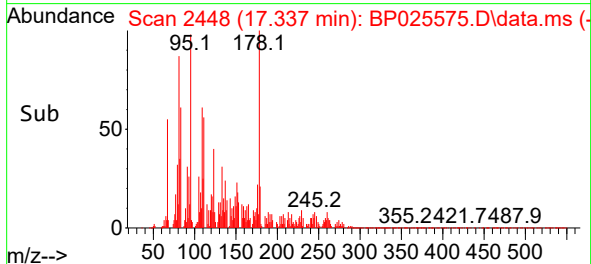
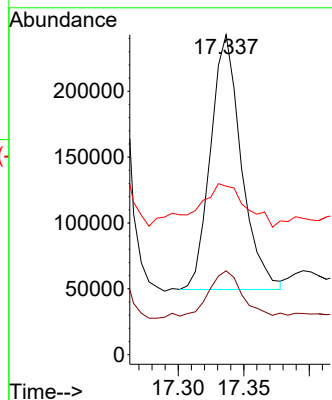
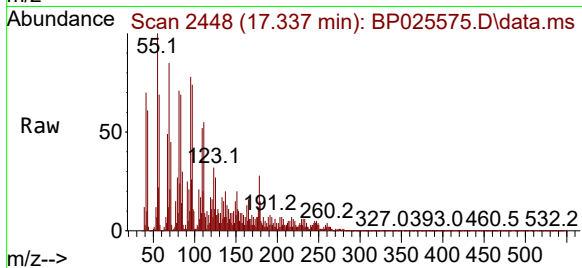
Tgt Ion:178 Resp: 316062

Ion Ratio Lower Upper

178 100

176 26.2 14.7 22.1#

179 52.6 12.2 18.2#



#73

Carbazole

Concen: 2.105 ng

RT: 17.619 min Scan# 2496

Delta R.T. 0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

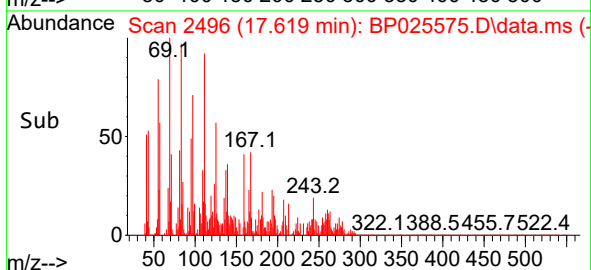
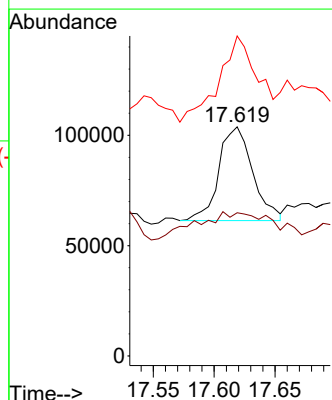
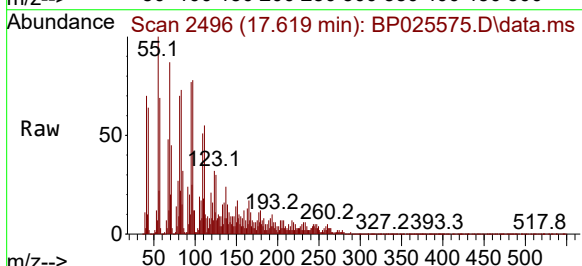
Tgt Ion:167 Resp: 82289

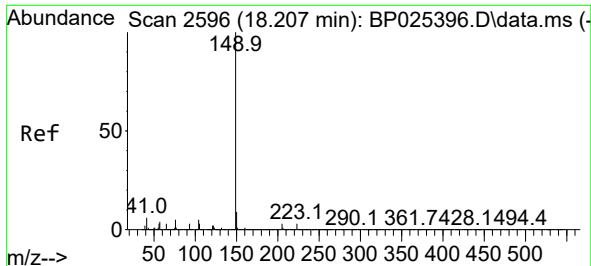
Ion Ratio Lower Upper

167 100

166 62.5 17.5 26.3#

139 139.7 10.6 16.0#

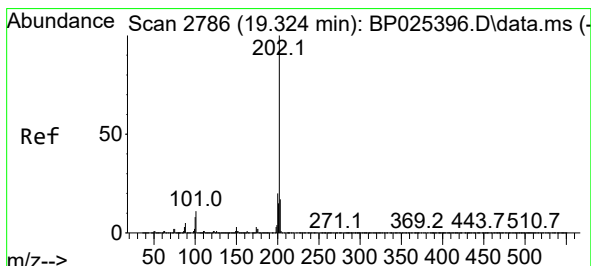
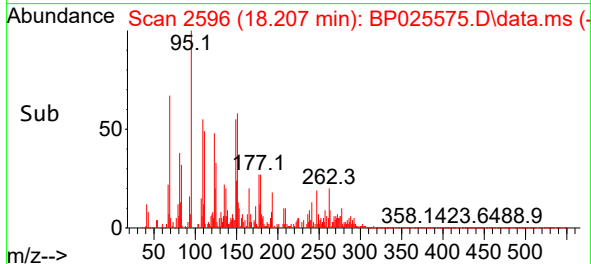
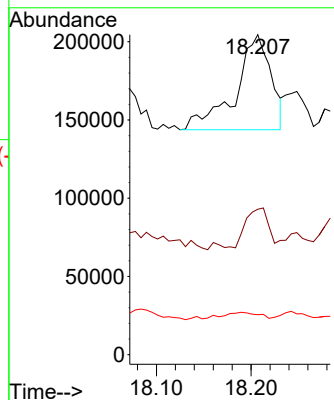
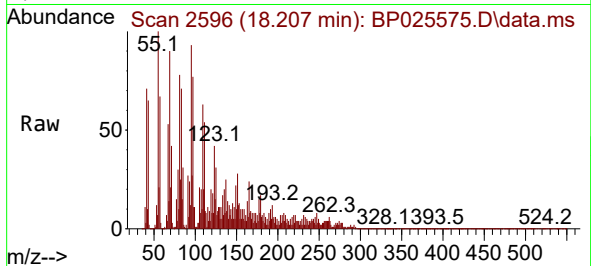




#74
Di-n-butylphthalate
Concen: 3.279 ng
RT: 18.207 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

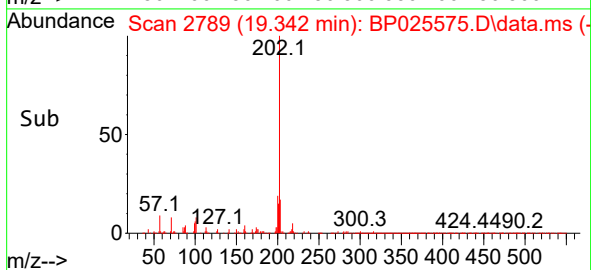
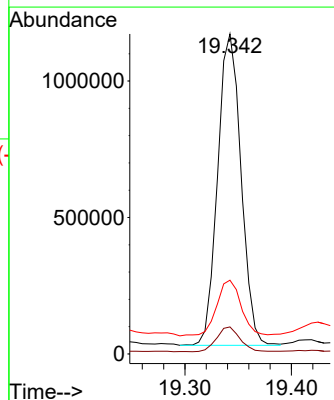
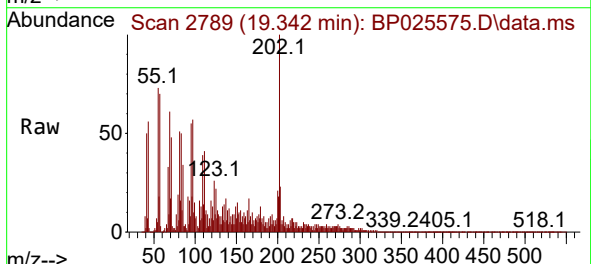
Instrument :
BNA_P
ClientSampleId :
291

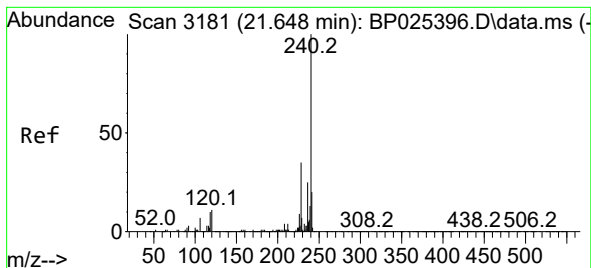
Tgt Ion:149 Resp: 157667
Ion Ratio Lower Upper
149 100
150 45.5 7.4 11.0#
104 12.5 4.2 6.2#



#75
Fluoranthene
Concen: 35.850 ng
RT: 19.342 min Scan# 2789
Delta R.T. 0.018 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion:202 Resp: 1737681
Ion Ratio Lower Upper
202 100
101 8.5 0.0 31.1
203 23.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

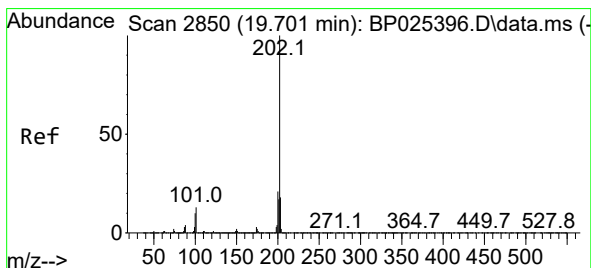
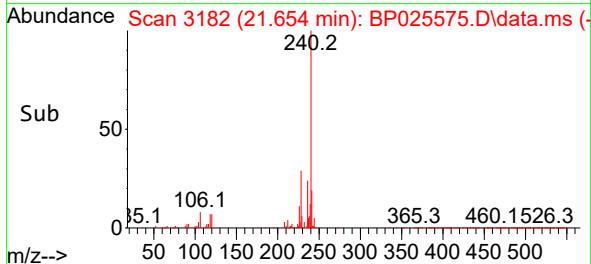
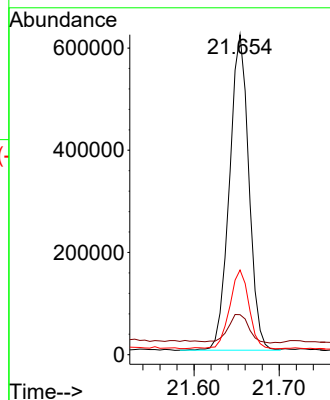
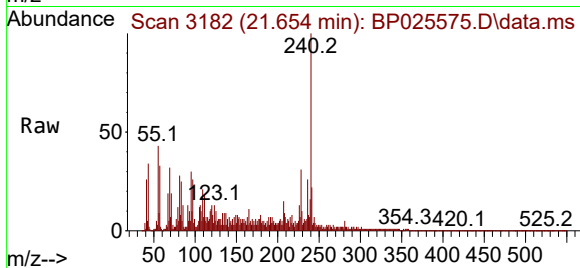
Tgt Ion:240 Resp: 976647

Ion Ratio Lower Upper

240 100

120 12.5 8.9 13.3

236 26.5 19.8 29.8



#78

Pyrene

Concen: 39.856 ng

RT: 19.719 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

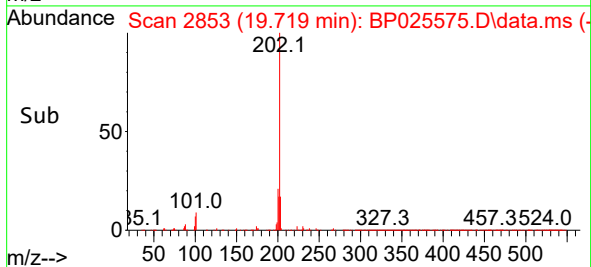
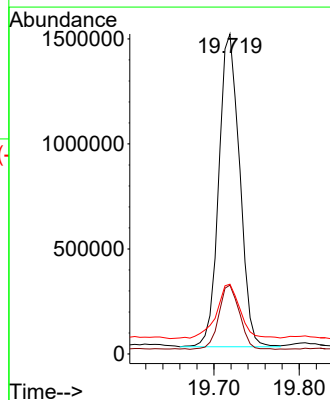
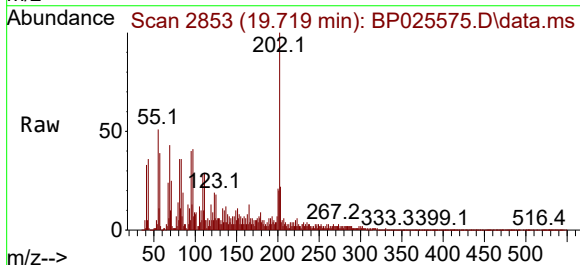
Tgt Ion:202 Resp: 2530042

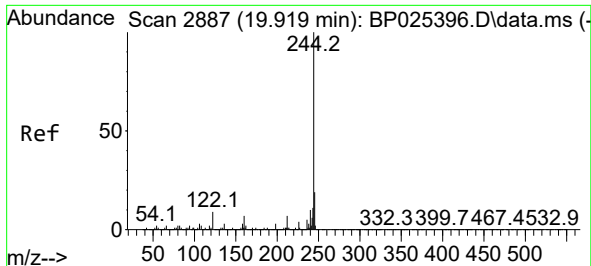
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 21.8 14.2 21.2#

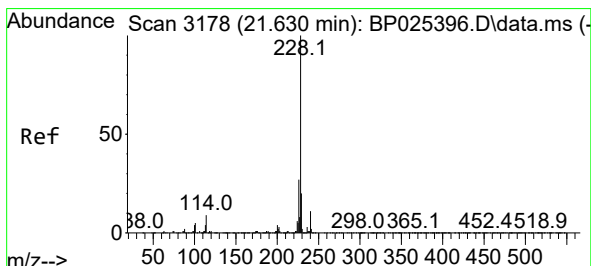
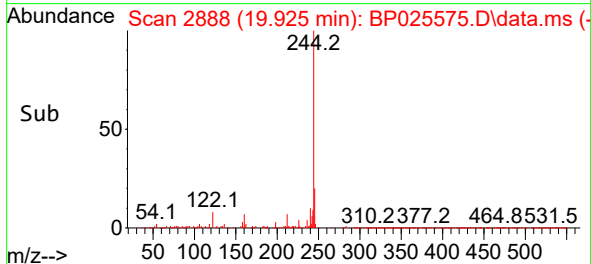
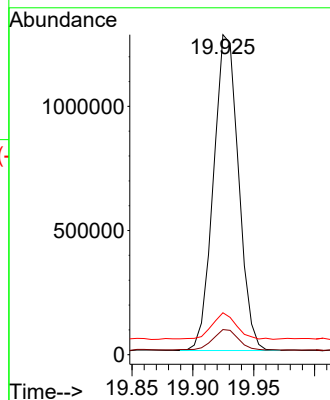
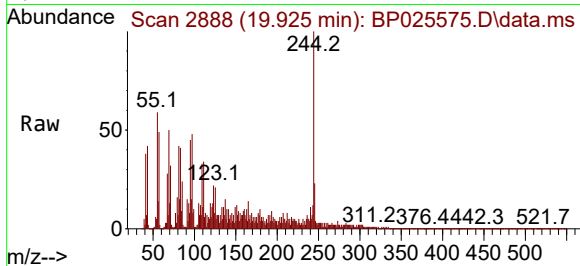




#79
 Terphenyl-d14
 Concen: 34.189 ng
 RT: 19.925 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP025575.D
 Acq: 25 Aug 2025 21:55

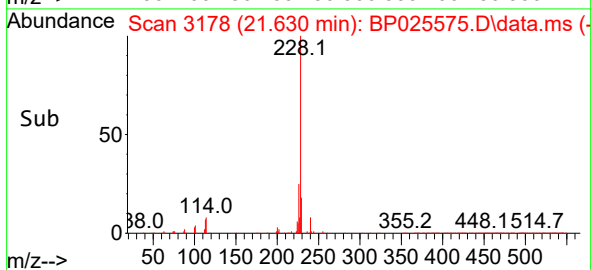
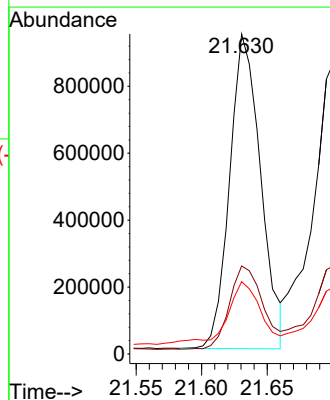
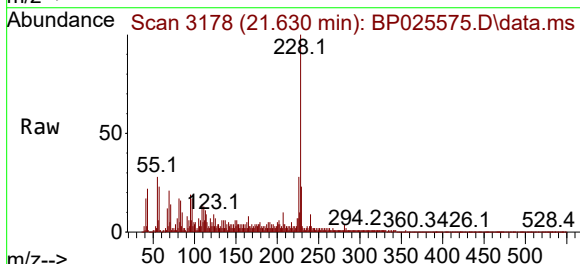
Instrument :
 BNA_P
 ClientSampleId :
 291

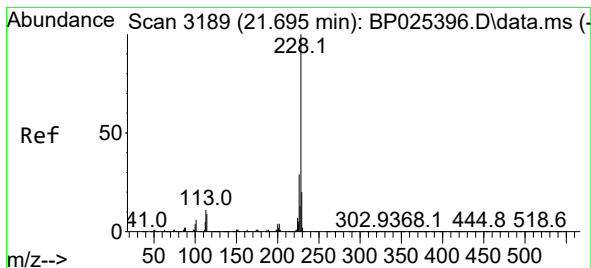
Tgt Ion:244 Resp: 1825028
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.6
 122 13.1 7.4 11.2#



#81
 Benzo(a)anthracene
 Concen: 24.067 ng
 RT: 21.630 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: BP025575.D
 Acq: 25 Aug 2025 21:55

Tgt Ion:228 Resp: 1550152
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.7 32.5
 229 22.6 15.6 23.4





#83

Chrysene

Concen: 26.757 ng

RT: 21.701 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

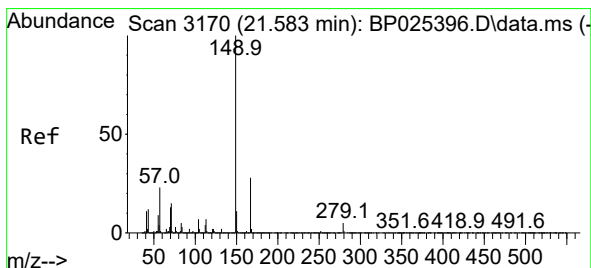
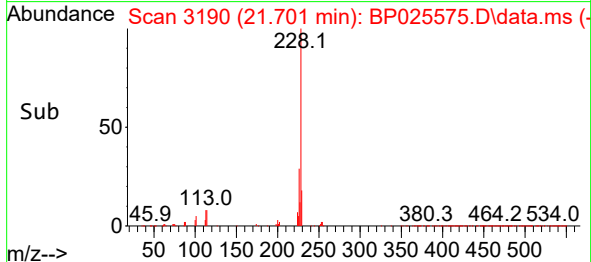
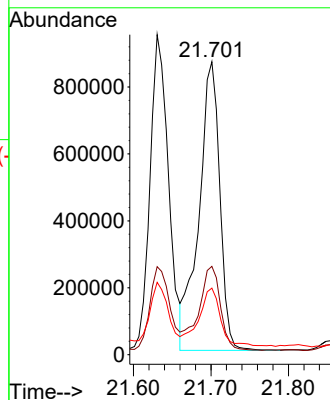
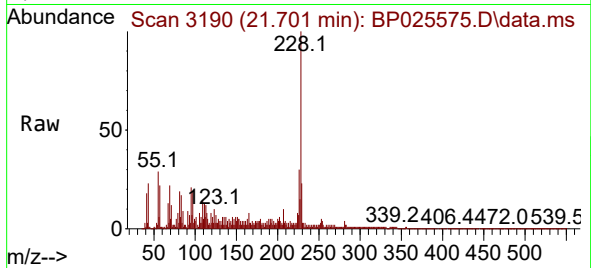
Tgt Ion:228 Resp: 1614010

Ion Ratio Lower Upper

228 100

226 30.2 23.2 34.8

229 22.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.700 ng

RT: 21.554 min Scan# 3165

Delta R.T. -0.029 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

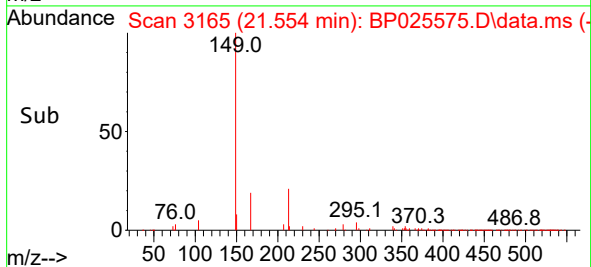
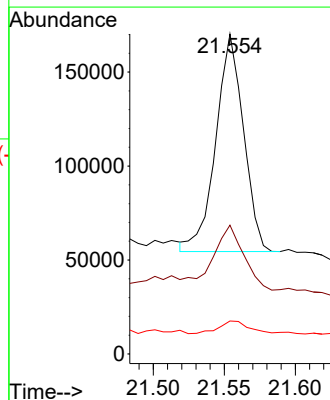
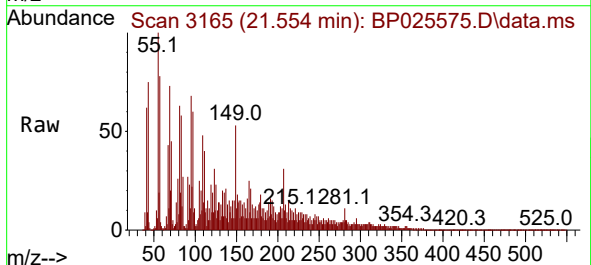
Tgt Ion:149 Resp: 156709

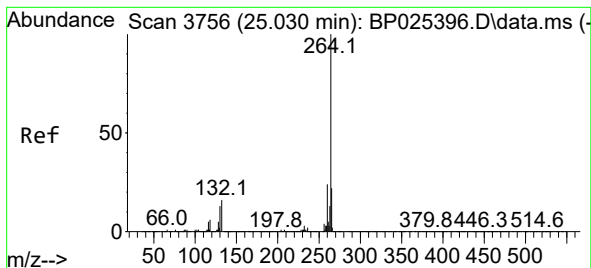
Ion Ratio Lower Upper

149 100

167 40.3 22.1 33.1#

279 10.3 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

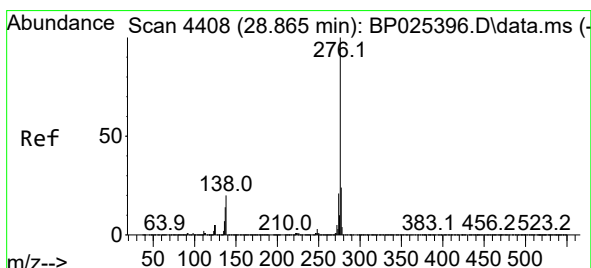
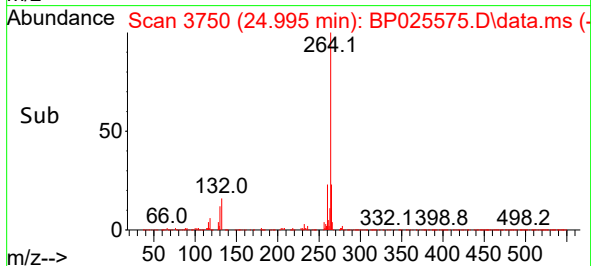
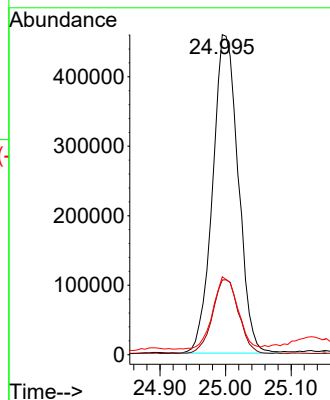
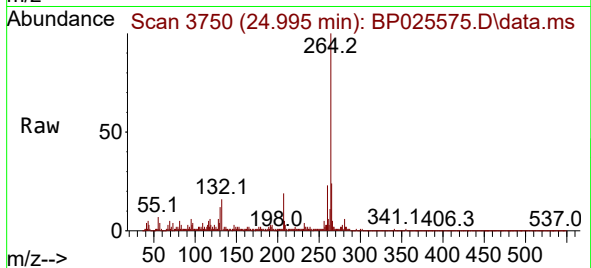
Tgt Ion:264 Resp: 1240532

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 24.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.262 ng

RT: 28.836 min Scan# 4403

Delta R.T. -0.029 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

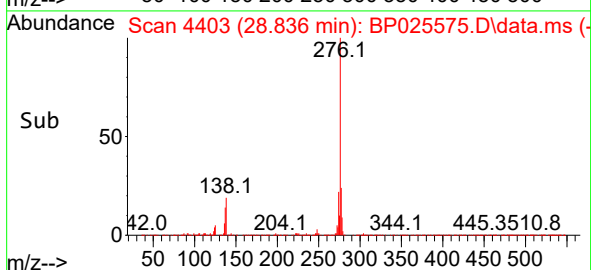
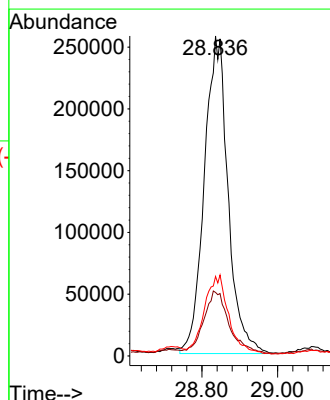
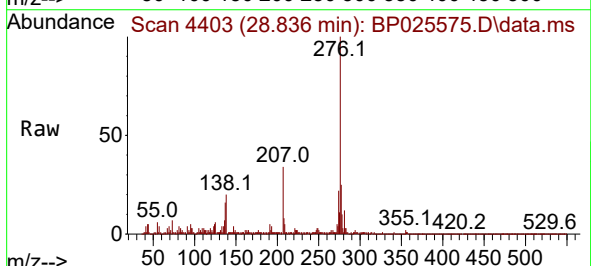
Tgt Ion:276 Resp: 1115581

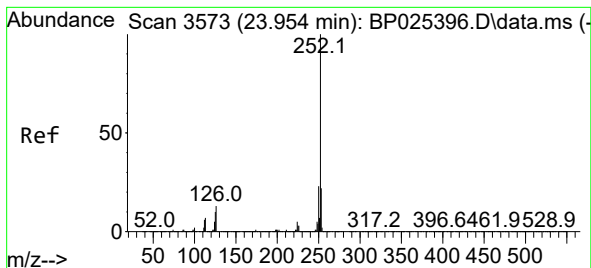
Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3#

277 25.2 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 29.472 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

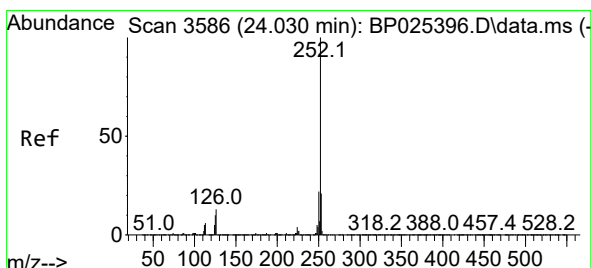
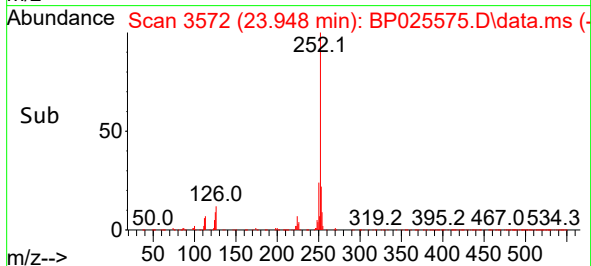
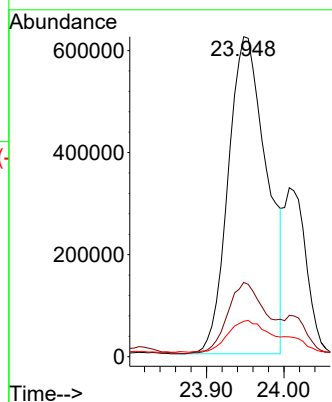
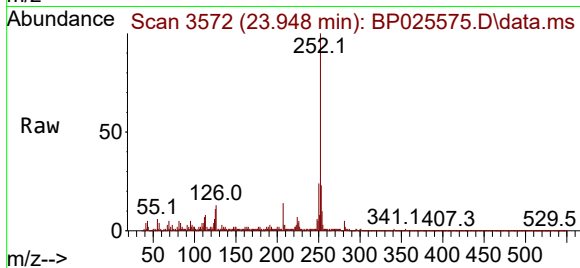
Tgt Ion:252 Resp: 2155920

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 11.1 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 29.452 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.082 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

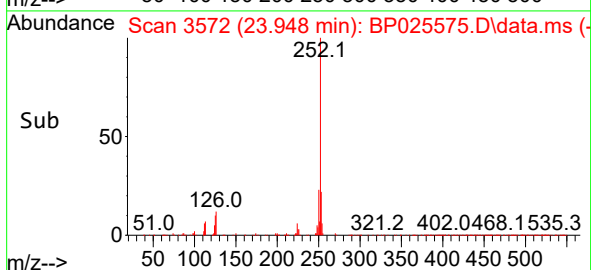
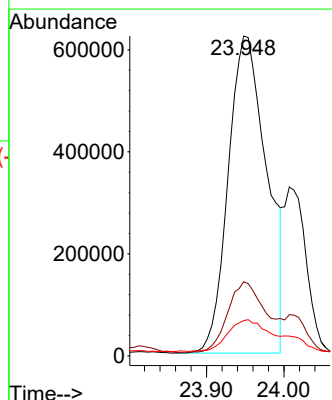
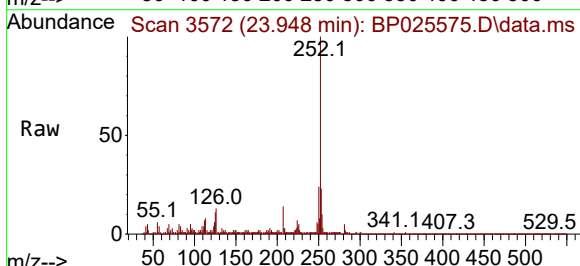
Tgt Ion:252 Resp: 2155920

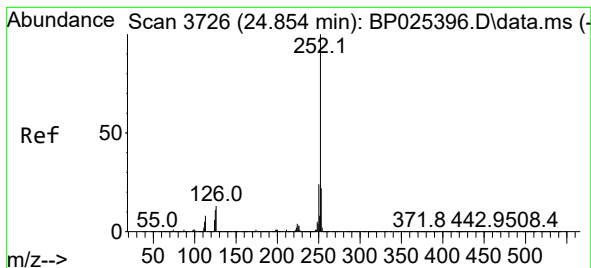
Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 11.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 20.994 ng

RT: 24.848 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

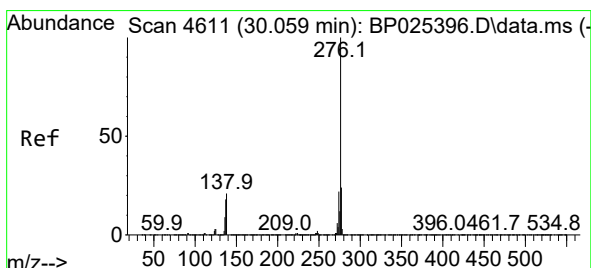
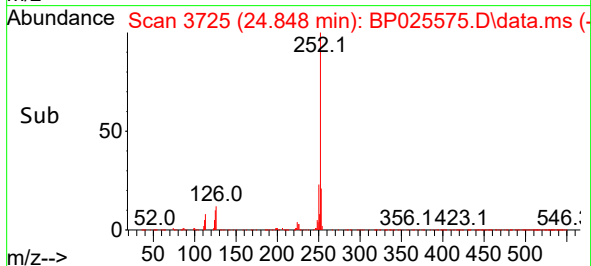
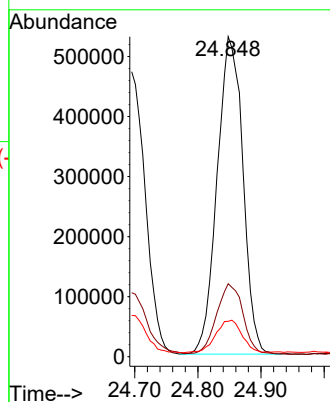
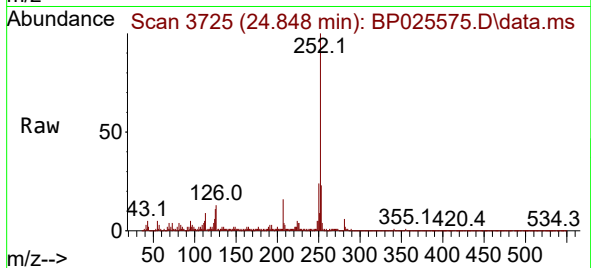
Tgt Ion:252 Resp: 1494931

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.1 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 16.263 ng

RT: 30.024 min Scan# 4605

Delta R.T. -0.035 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Tgt Ion:276 Resp: 1188529

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 21.8 16.7 25.1

