

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025819.D
 Acq On : 22 Sep 2025 19:12
 Operator : CG/JU
 Sample : Q3133-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 361

Quant Time: Sep 23 01:04:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

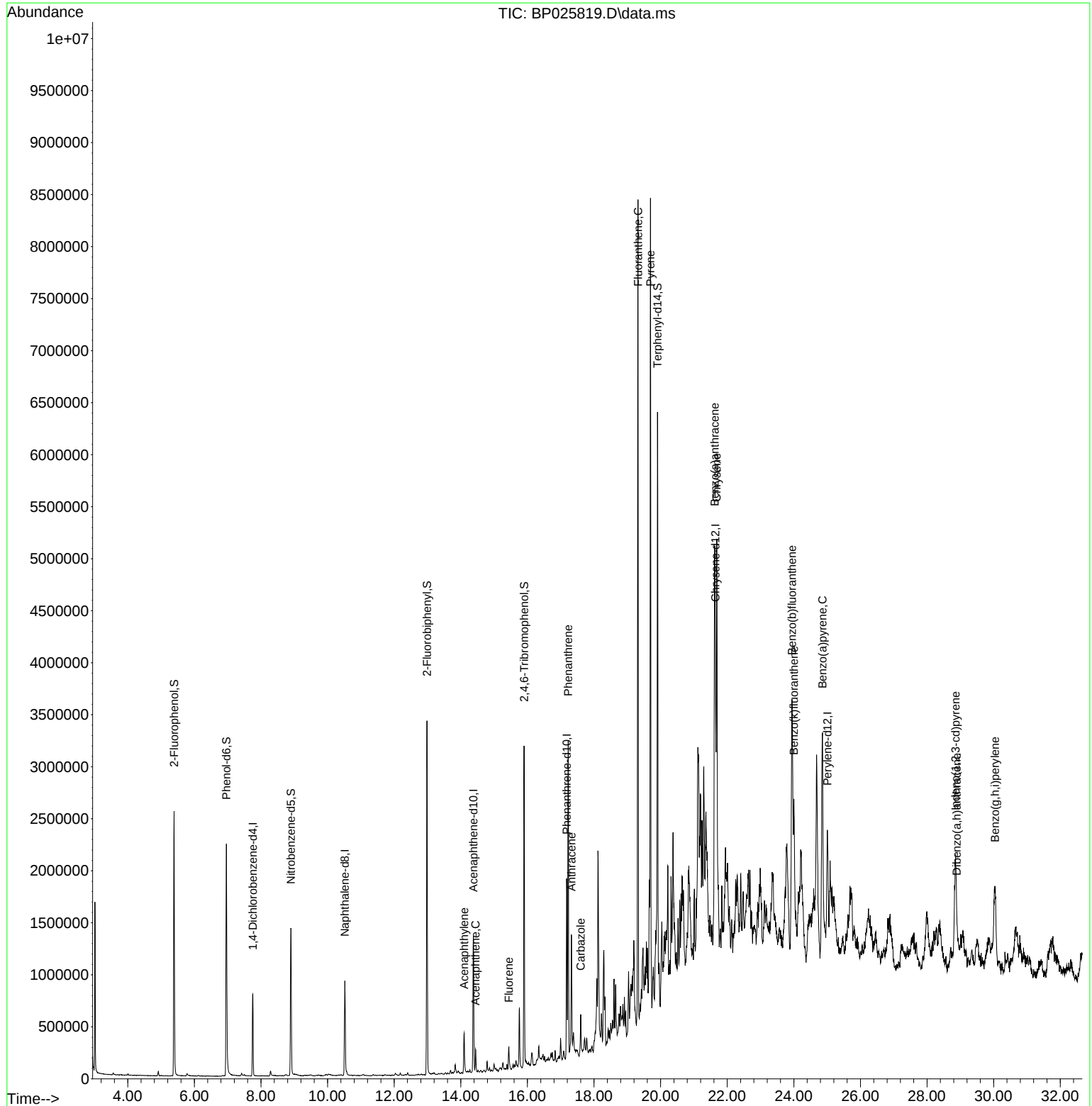
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	213622	20.000	ng	0.00
21) Naphthalene-d8	10.519	136	835450	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	528961	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	1040228	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1018673	20.000	ng	0.00
86) Perylene-d12	25.007	264	1183265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	1132981	85.577	ng	0.00
7) Phenol-d6	6.961	99	1477218	83.945	ng	0.01
23) Nitrobenzene-d5	8.896	82	939259	49.592	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	568563	86.175	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	1955810	49.232	ng	0.00
79) Terphenyl-d14	19.907	244	2670167	47.155	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.101	152	344016	6.792	ng	99
52) Acenaphthene	14.443	154	83951	2.874	ng	96
58) Fluorene	15.443	166	125509	3.315	ng	97
71) Phenanthrene	17.225	178	1966410	33.325	ng	99
72) Anthracene	17.325	178	750477	12.535	ng	99
73) Carbazole	17.601	167	242199	4.351	ng	98
75) Fluoranthene	19.319	202	4778888	67.528	ng	100
78) Pyrene	19.695	202	4544798	66.864	ng	99
81) Benzo(a)anthracene	21.619	228	2254269	32.324	ng	97
83) Chrysene	21.683	228	2445004	36.778	ng	98
87) Indeno(1,2,3-cd)pyrene	28.854	276	1667144	19.374	ng	# 82
88) Benzo(b)fluoranthene	23.942	252	3112762	43.018	ng	99
89) Benzo(k)fluoranthene	24.001	252	1182924m	16.021	ng	
90) Benzo(a)pyrene	24.860	252	2344998	33.093	ng	97
91) Dibenzo(a,h)anthracene	28.895	278	410626	5.831	ng	# 91
92) Benzo(g,h,i)perylene	30.036	276	1650833	23.839	ng	97

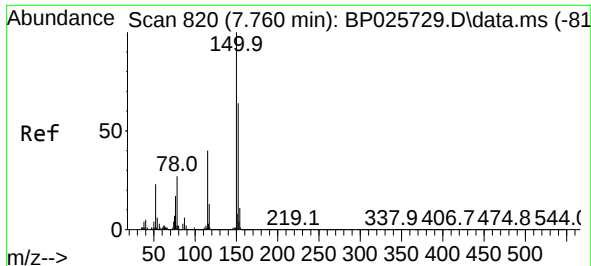
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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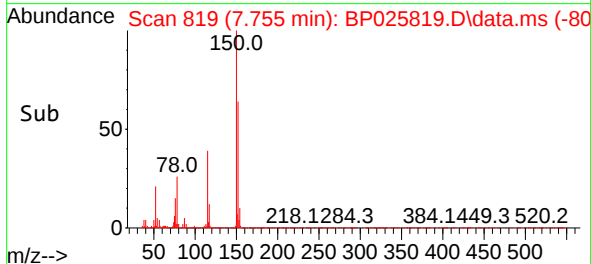
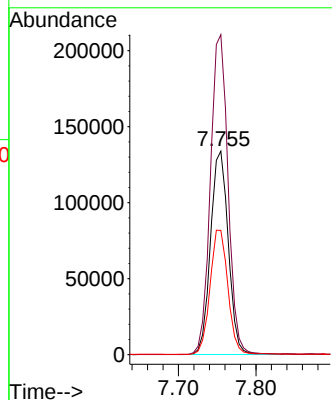
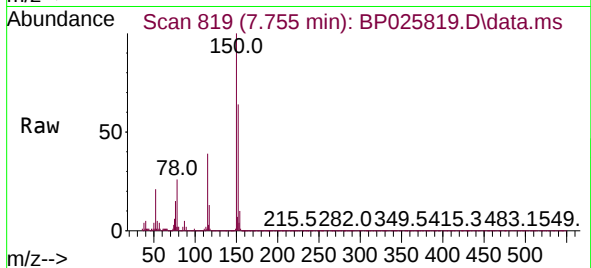




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.755 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

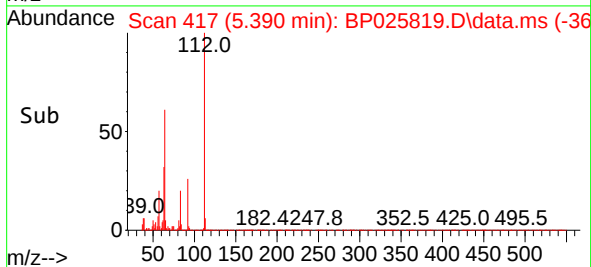
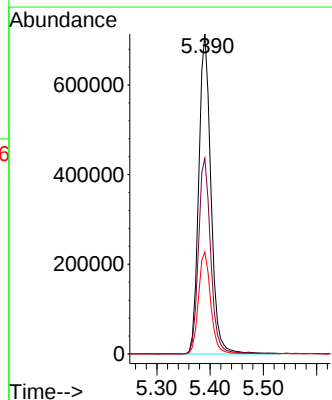
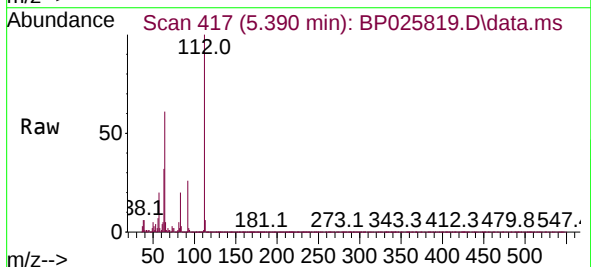
Instrument :
BNA_P
ClientSampleId :
361

Tgt Ion:152 Resp: 213622
Ion Ratio Lower Upper
152 100
150 157.2 124.3 186.5
115 61.0 50.3 75.5



#5
2-Fluorophenol
Concen: 85.577 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

Tgt Ion:112 Resp: 1132981
Ion Ratio Lower Upper
112 100
64 61.1 50.2 75.4
63 31.8 26.7 40.1

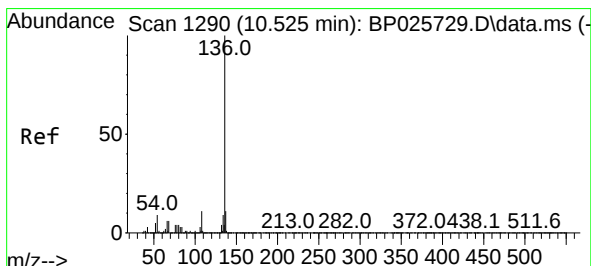
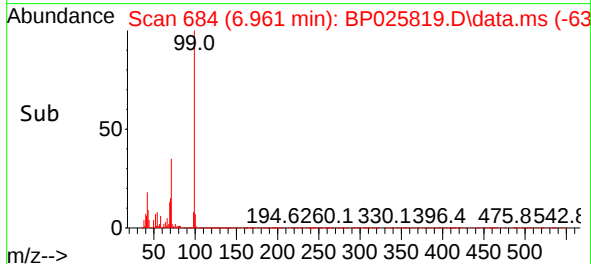
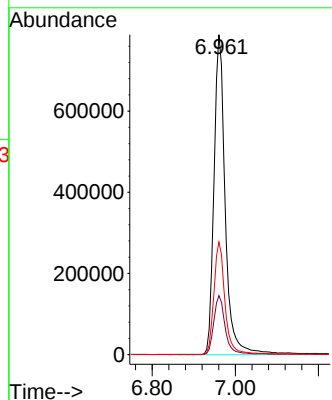
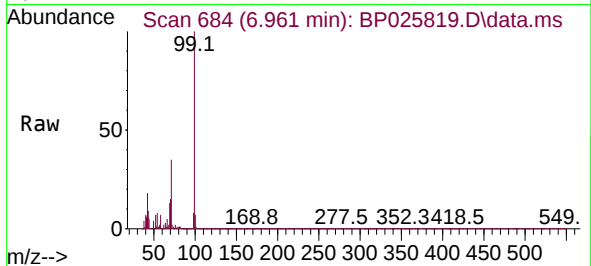




#7
Phenol-d6
Concen: 83.945 ng
RT: 6.961 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

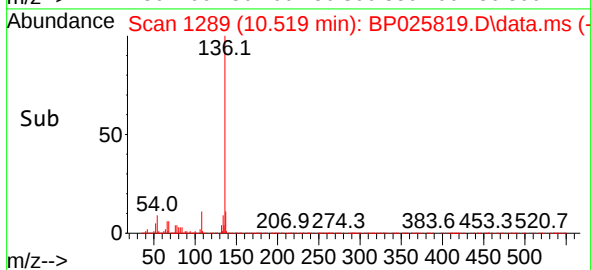
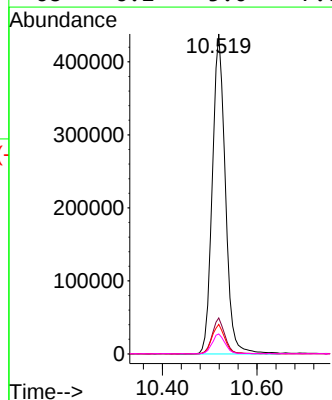
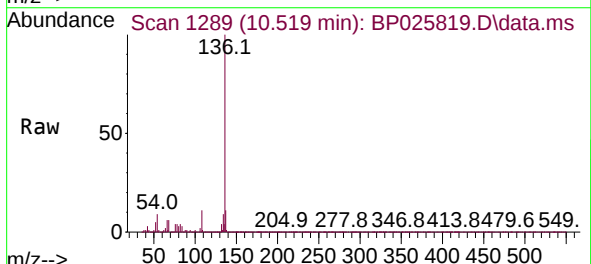
Instrument :
BNA_P
ClientSampleId :
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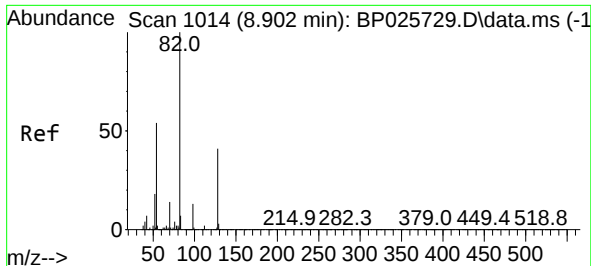
Tgt Ion: 99 Resp: 1477218
Ion Ratio Lower Upper
99 100
42 18.4 15.6 23.4
71 35.2 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

Tgt Ion: 136 Resp: 835450
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.2 7.5 11.3
68 6.2 5.0 7.6

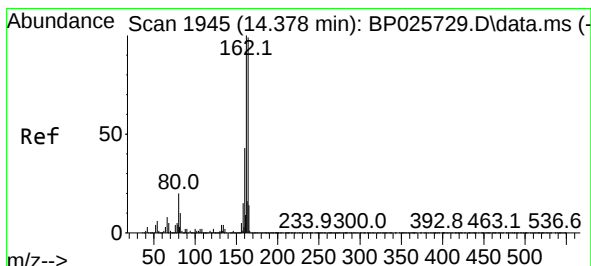
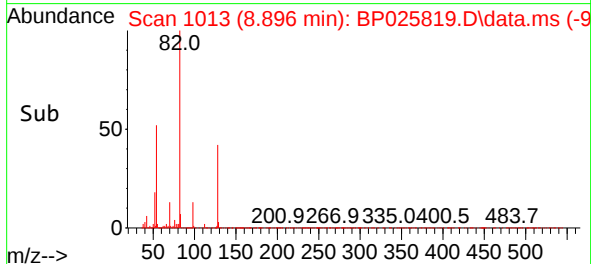
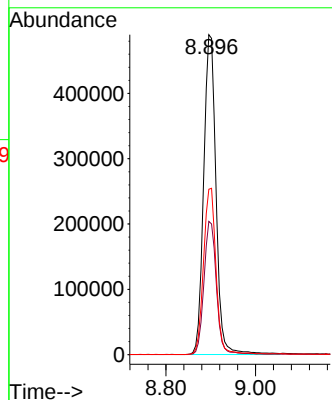
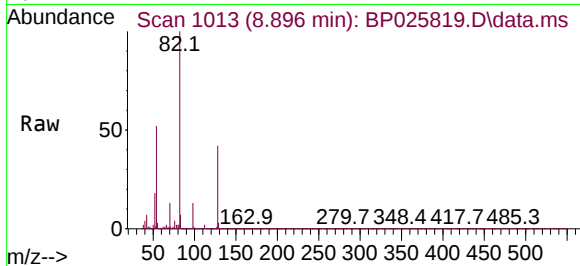




#23
Nitrobenzene-d5
Concen: 49.592 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

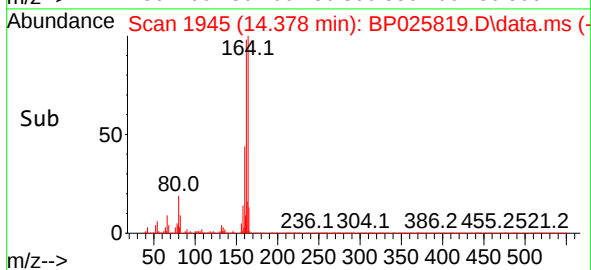
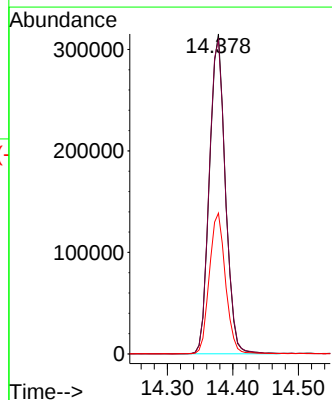
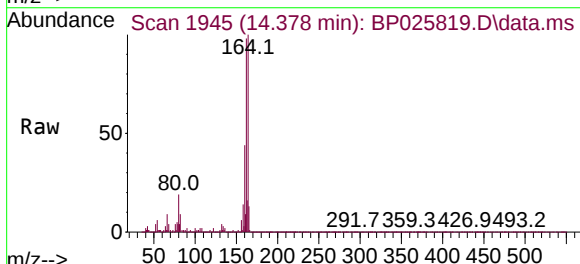
Instrument :
BNA_P
ClientSampleId :
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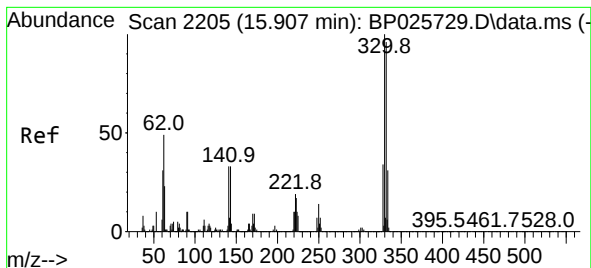
Tgt Ion: 82 Resp: 939259
Ion Ratio Lower Upper
82 100
128 41.6 32.9 49.3
54 51.7 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

Tgt Ion: 164 Resp: 528961
Ion Ratio Lower Upper
164 100
162 98.1 80.6 120.8
160 44.0 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 86.175 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

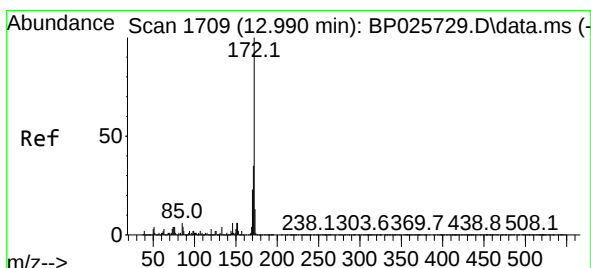
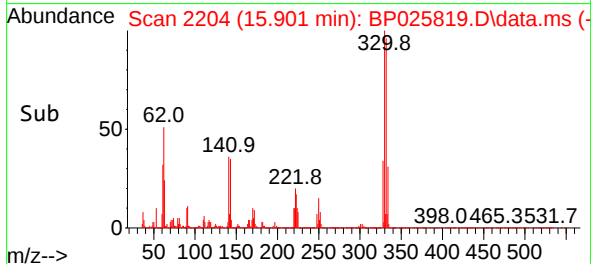
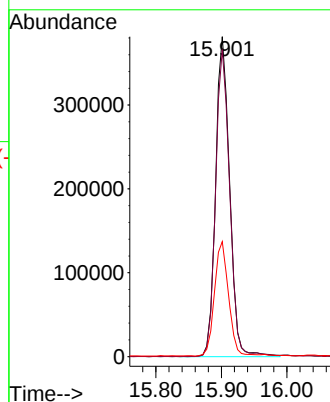
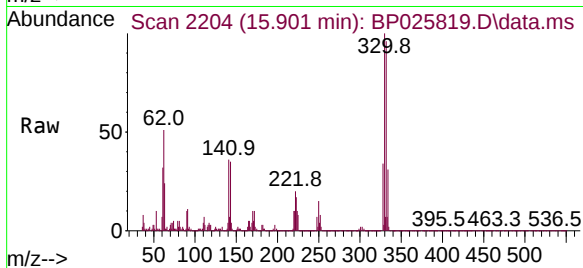
Tgt Ion:330 Resp: 568563

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 36.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 49.232 ng

RT: 12.984 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

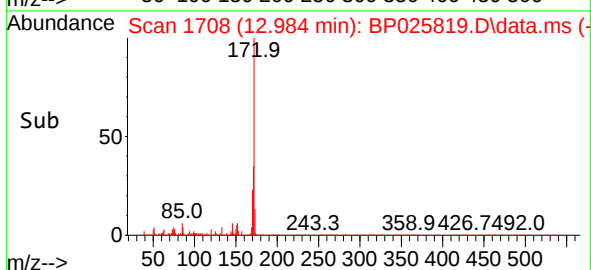
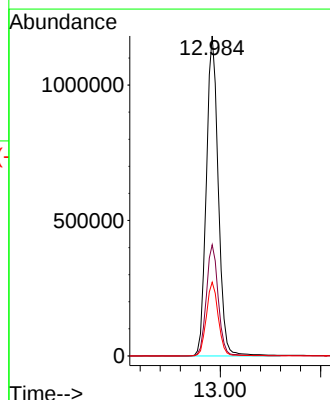
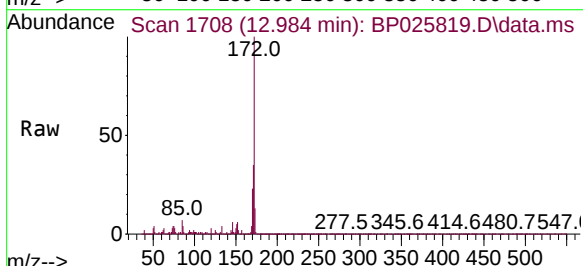
Tgt Ion:172 Resp: 1955810

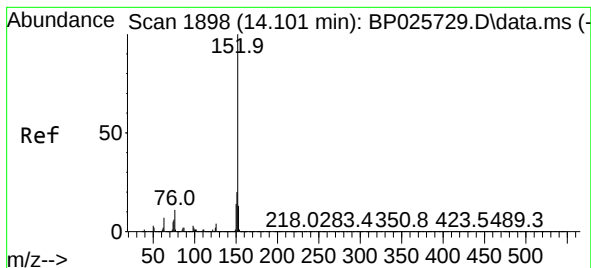
Ion Ratio Lower Upper

172 100

171 34.7 27.8 41.6

170 23.0 18.6 27.8





#49

Acenaphthylene

Concen: 6.792 ng

RT: 14.101 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

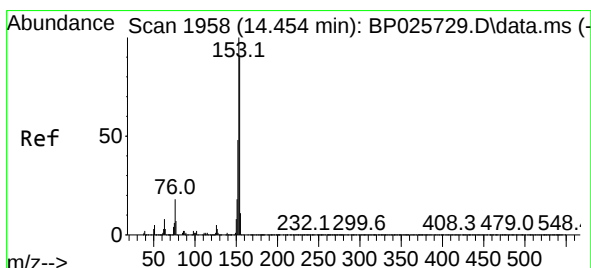
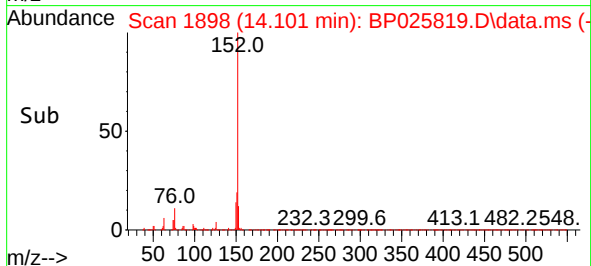
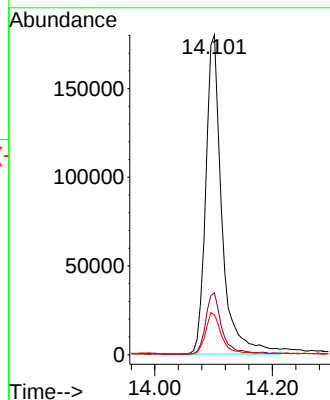
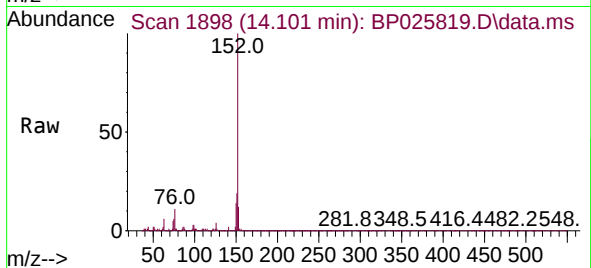
Tgt Ion:152 Resp: 344016

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

153 12.5 10.5 15.7



#52

Acenaphthene

Concen: 2.874 ng

RT: 14.443 min Scan# 1956

Delta R.T. -0.012 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

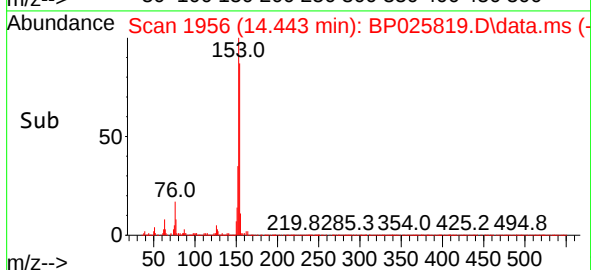
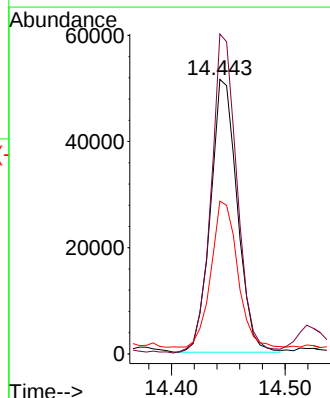
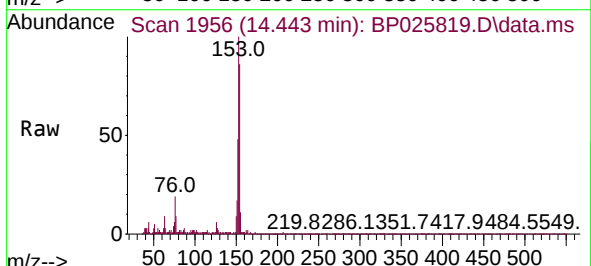
Tgt Ion:154 Resp: 83951

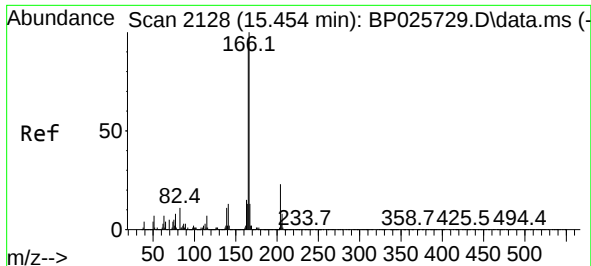
Ion Ratio Lower Upper

154 100

153 116.6 89.4 134.0

152 55.6 42.5 63.7

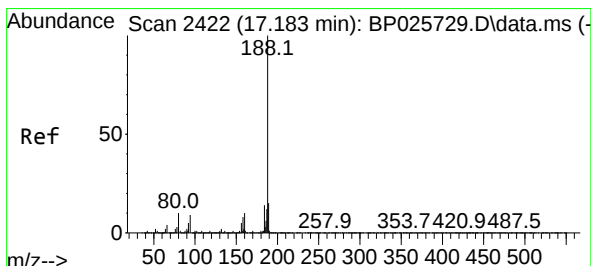
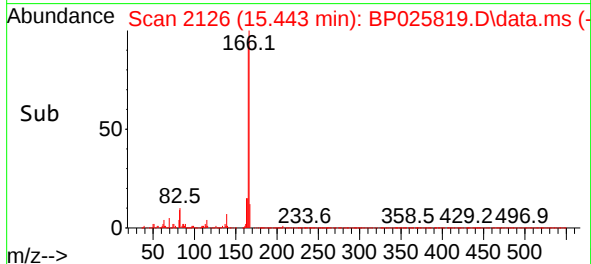
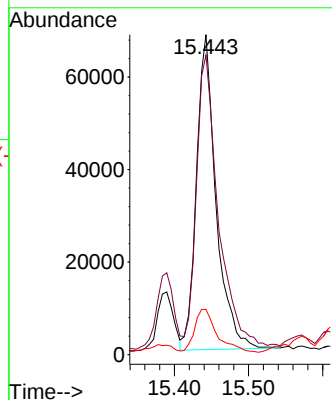
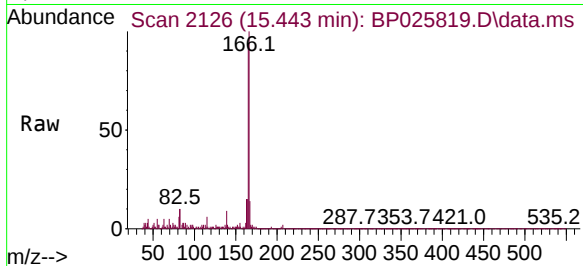




#58
Fluorene
Concen: 3.315 ng
RT: 15.443 min Scan# 2128
Delta R.T. -0.012 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

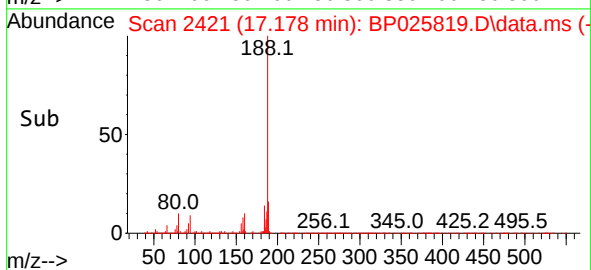
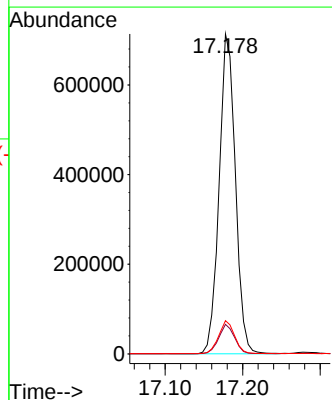
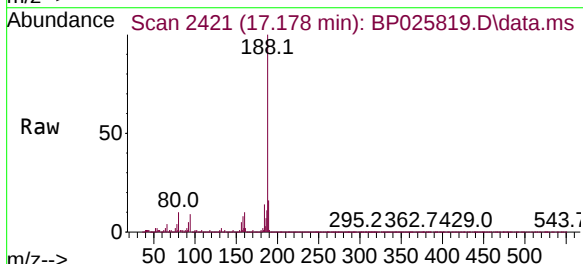
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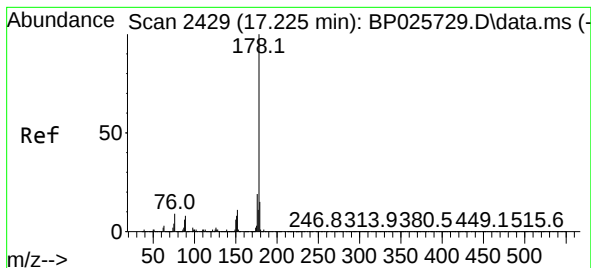
Tgt Ion:166 Resp: 125509
Ion Ratio Lower Upper
166 100
165 93.6 77.7 116.5
167 14.1 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025819.D
Acq: 22 Sep 2025 19:12

Tgt Ion:188 Resp: 1040228
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 10.4 7.7 11.5





#71

Phenanthrene

Concen: 33.325 ng

RT: 17.225 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

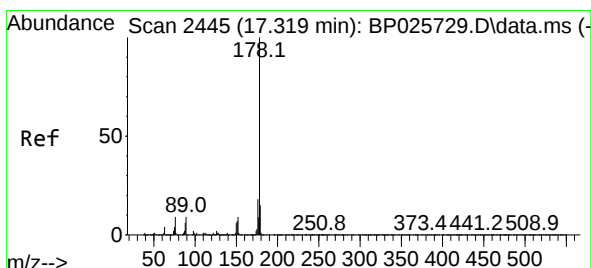
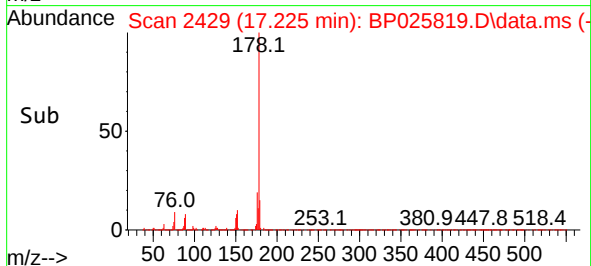
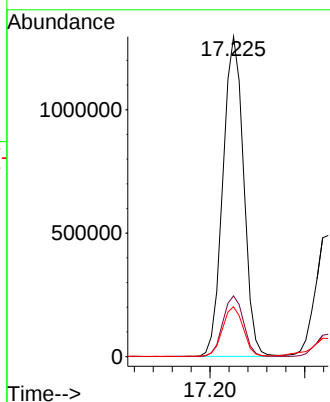
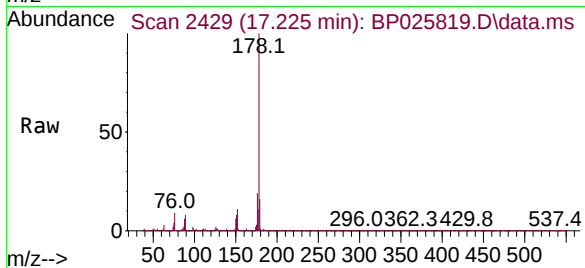
Tgt Ion:178 Resp: 1966410

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.6 12.2 18.4



#72

Anthracene

Concen: 12.535 ng

RT: 17.325 min Scan# 2446

Delta R.T. 0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

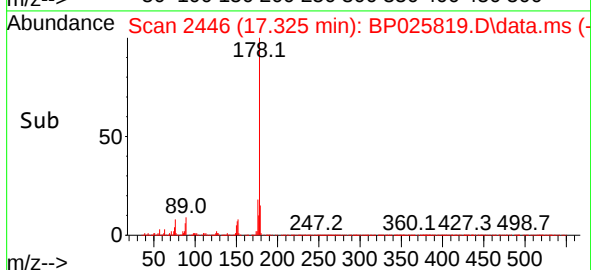
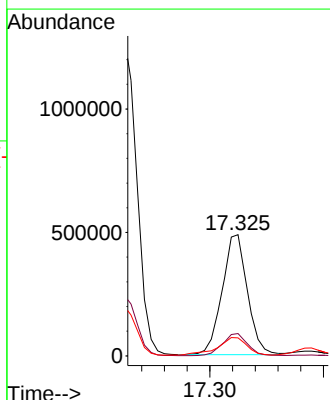
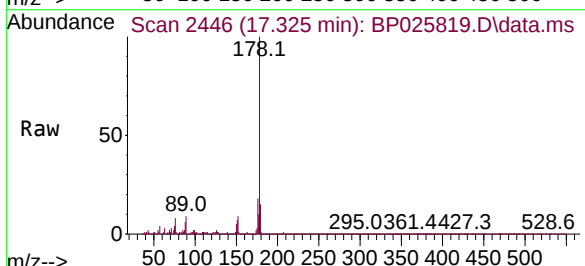
Tgt Ion:178 Resp: 750477

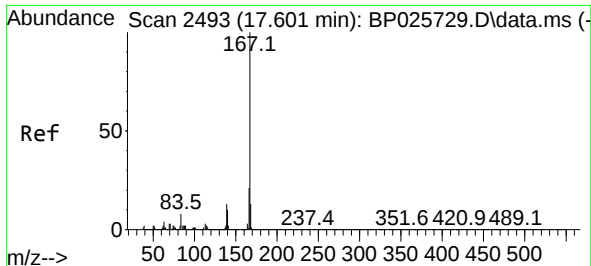
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 14.9 12.2 18.4

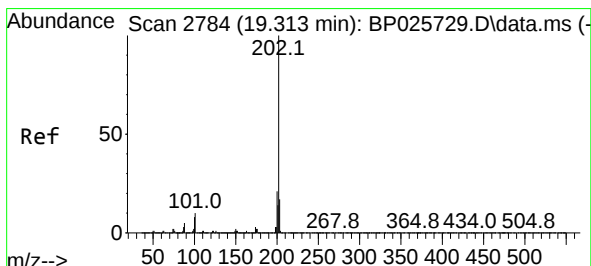
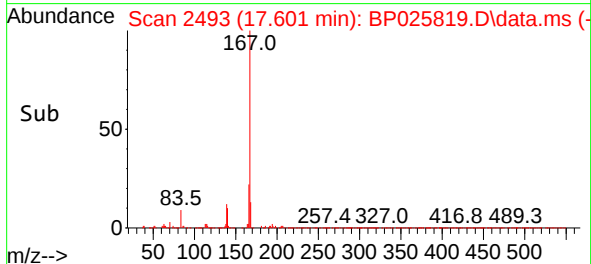
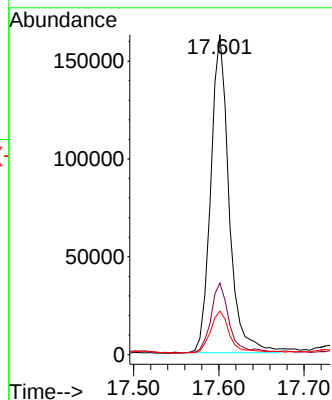
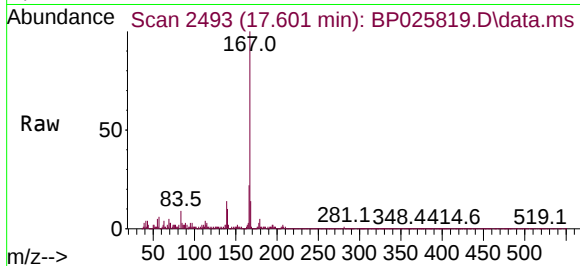




#73
 Carbazole
 Concen: 4.351 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. 0.000 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

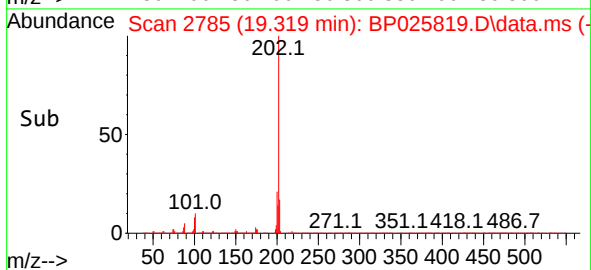
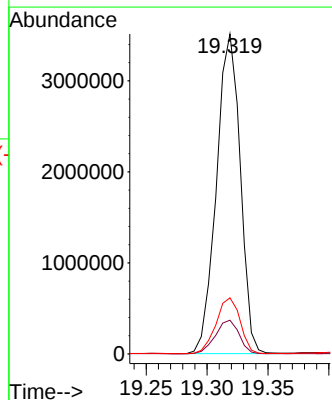
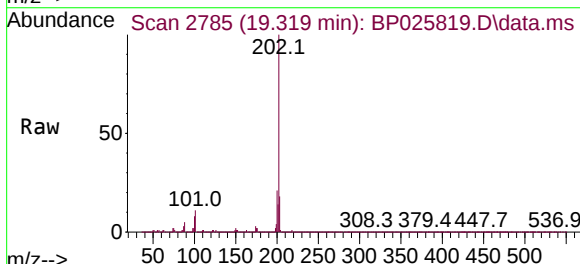
Instrument :
 BNA_P
 ClientSampleId :
 361

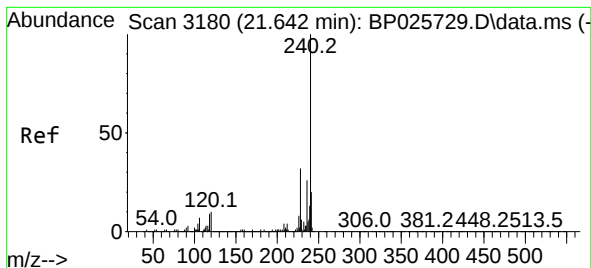
Tgt Ion:167	Resp: 242199
Ion Ratio	Lower Upper
167 100	
166 22.4	17.0 25.4
139 13.6	10.6 16.0



#75
 Fluoranthene
 Concen: 67.528 ng
 RT: 19.319 min Scan# 2785
 Delta R.T. 0.006 min
 Lab File: BP025819.D
 Acq: 22 Sep 2025 19:12

Tgt Ion:202	Resp: 4778888		
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.4
203	17.5	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

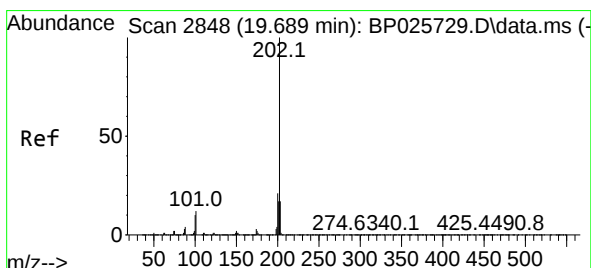
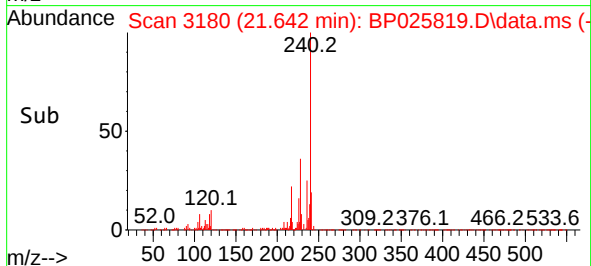
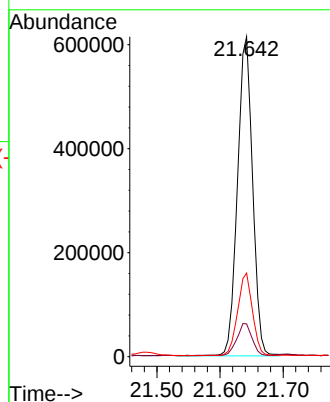
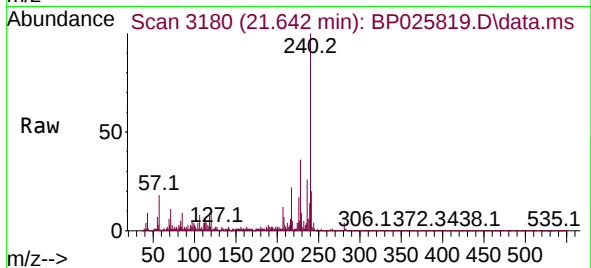
Tgt Ion:240 Resp: 1018673

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 26.1 20.7 31.1



#78

Pyrene

Concen: 66.864 ng

RT: 19.695 min Scan# 2849

Delta R.T. 0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

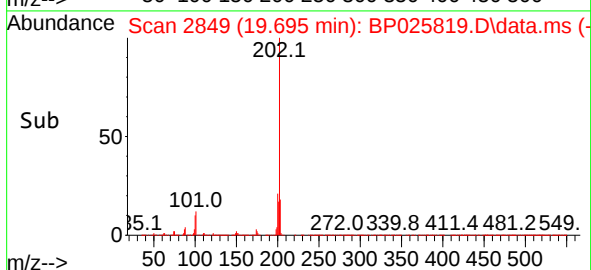
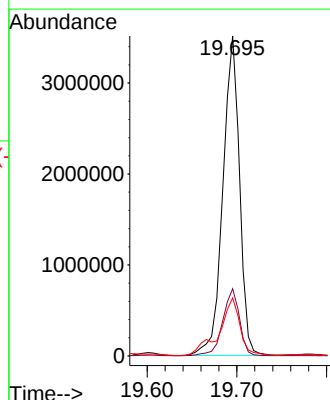
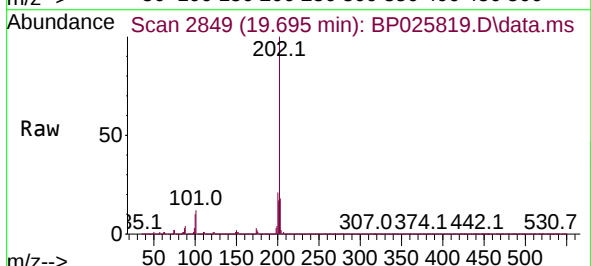
Tgt Ion:202 Resp: 4544798

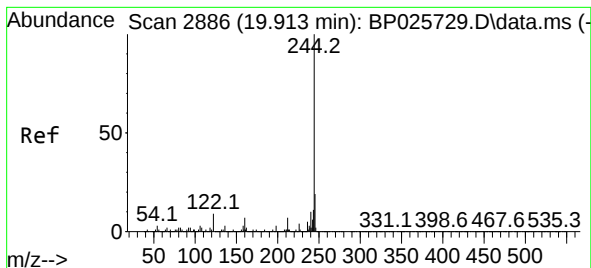
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 18.1 13.9 20.9





#79

Terphenyl-d14

Concen: 47.155 ng

RT: 19.907 min Scan# 2886

Delta R.T. -0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

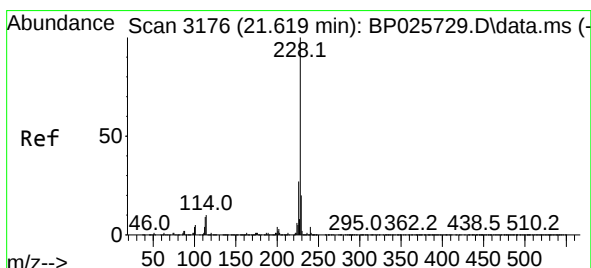
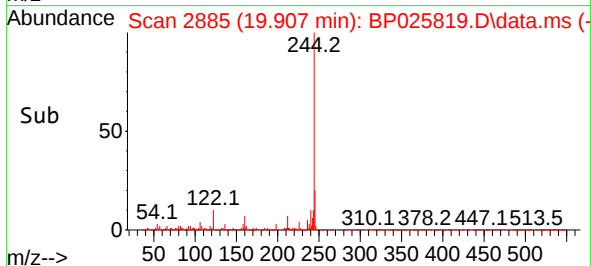
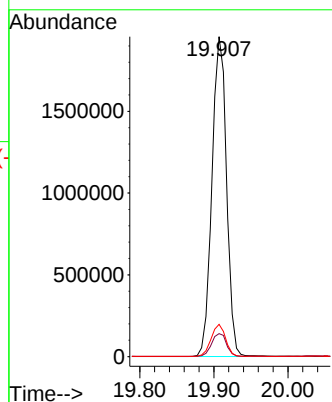
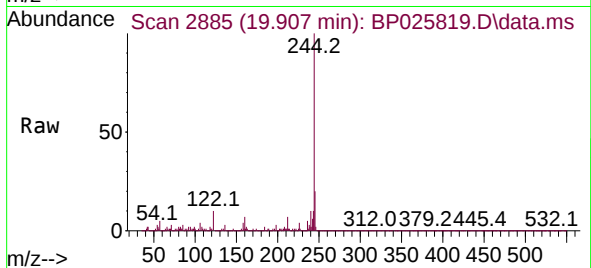
Tgt Ion:244 Resp: 2670167

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.1 7.1 10.7



#81

Benzo(a)anthracene

Concen: 32.324 ng

RT: 21.619 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

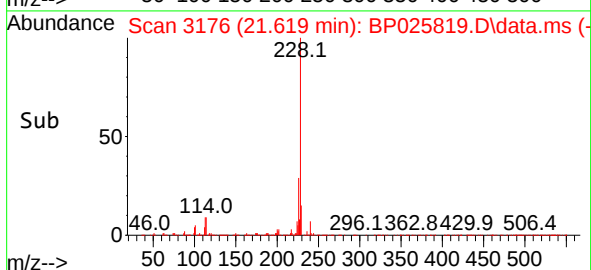
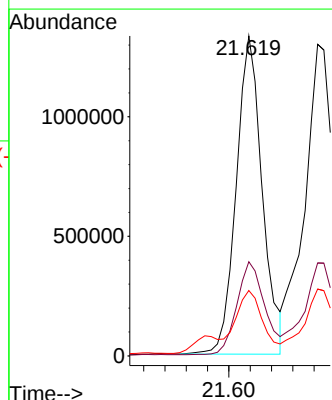
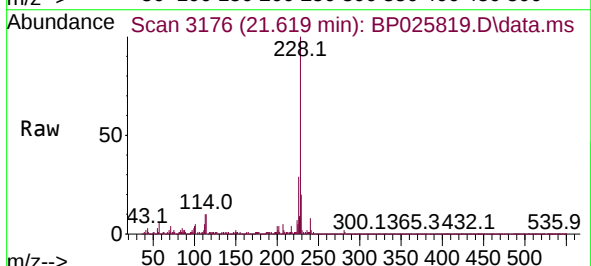
Tgt Ion:228 Resp: 2254269

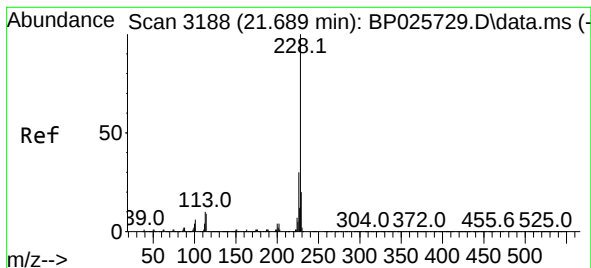
Ion Ratio Lower Upper

228 100

226 29.4 21.6 32.4

229 20.4 15.7 23.5





#83

Chrysene

Concen: 36.778 ng

RT: 21.683 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

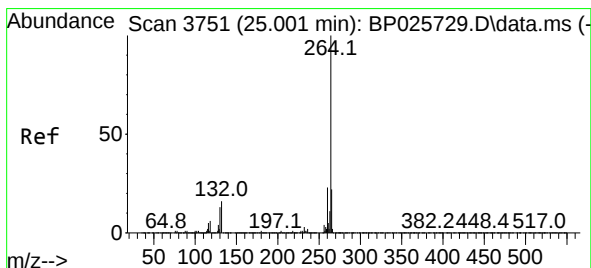
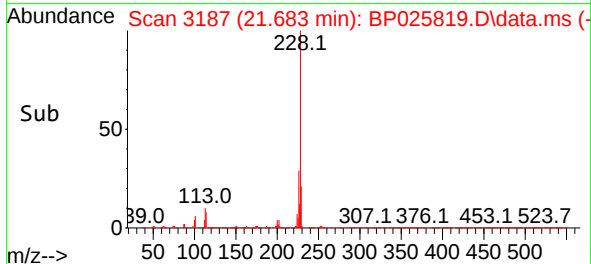
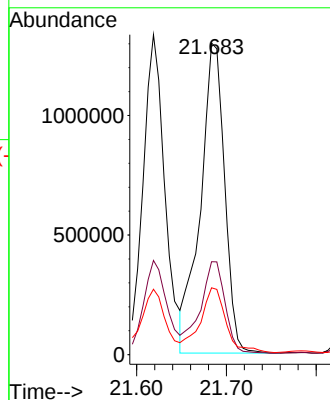
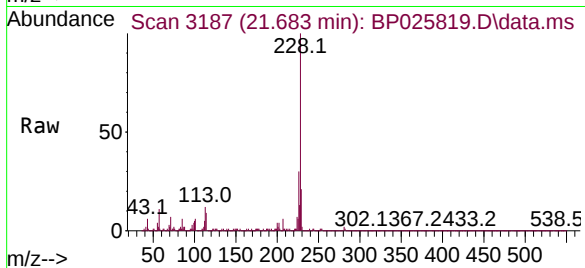
Tgt Ion:228 Resp: 2445004

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 21.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.007 min Scan# 3752

Delta R.T. 0.006 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

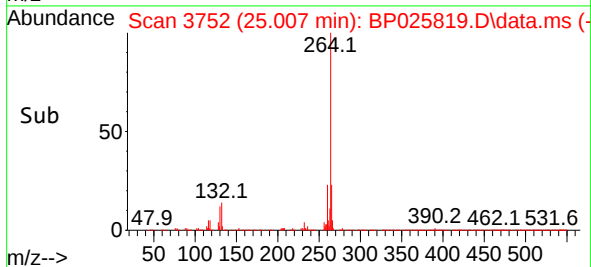
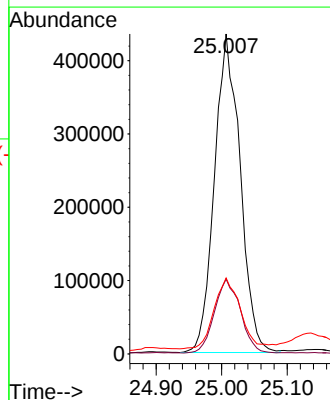
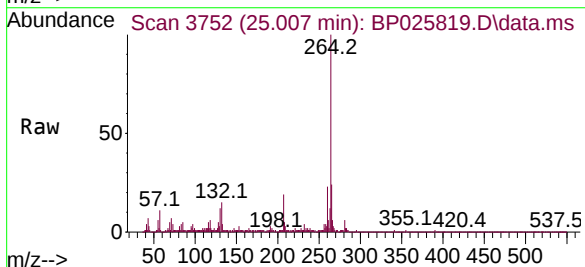
Tgt Ion:264 Resp: 1183265

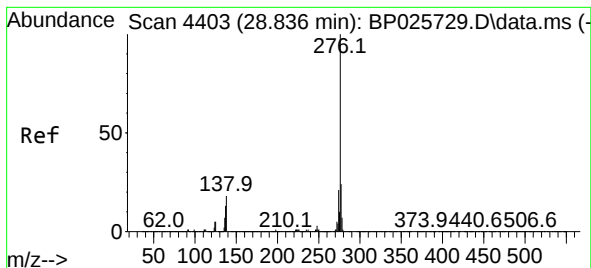
Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 23.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.374 ng

RT: 28.854 min Scan# 4403

Delta R.T. 0.018 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

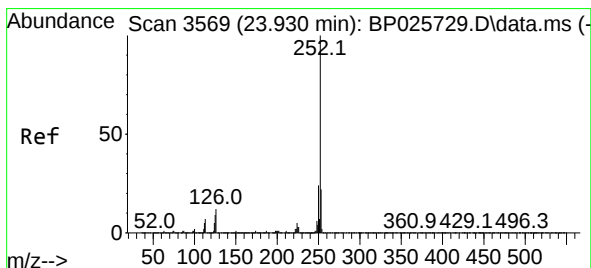
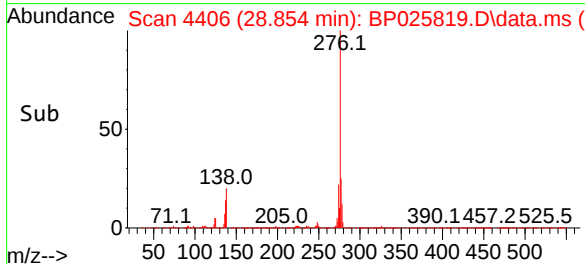
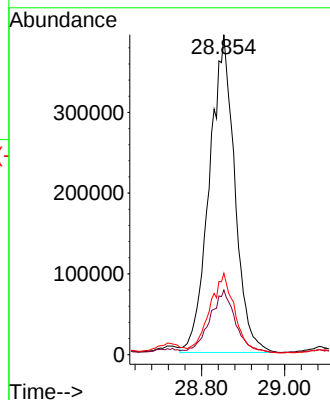
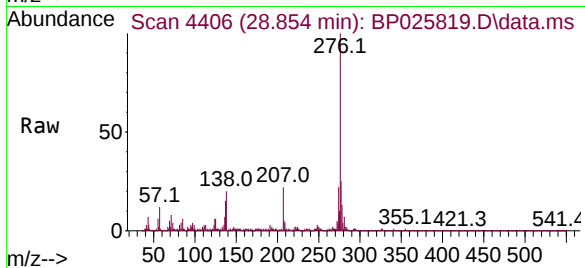
Tgt Ion:276 Resp: 1667144

Ion Ratio Lower Upper

276 100

138 19.7 13.4 20.2

277 24.9 9.1 13.7#



#88

Benzo(b)fluoranthene

Concen: 43.018 ng

RT: 23.942 min Scan# 3571

Delta R.T. 0.012 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

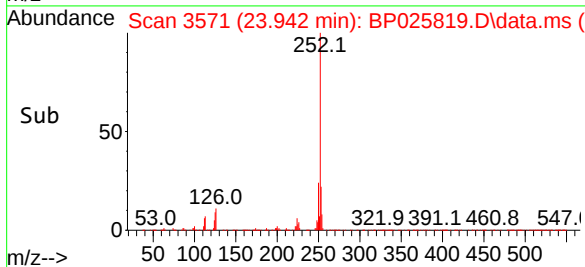
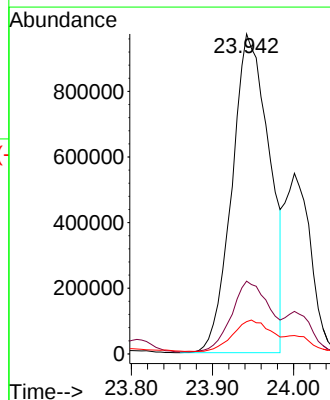
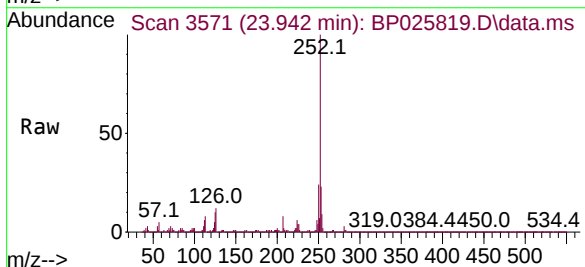
Tgt Ion:252 Resp: 3112762

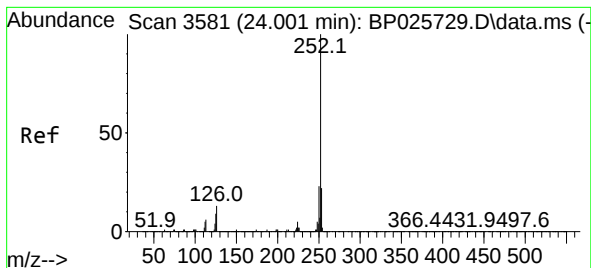
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 10.1 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 16.021 ng m

RT: 24.001 min Scan# 3581

Delta R.T. 0.000 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

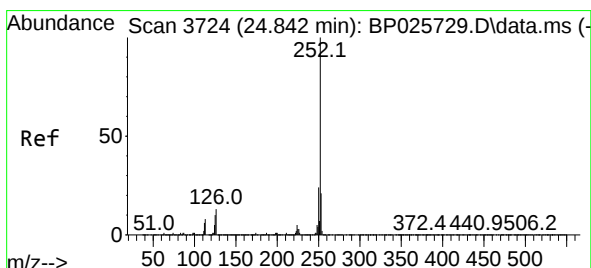
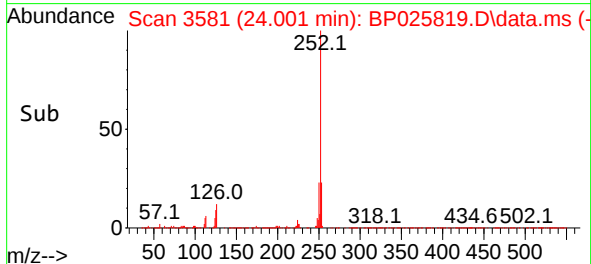
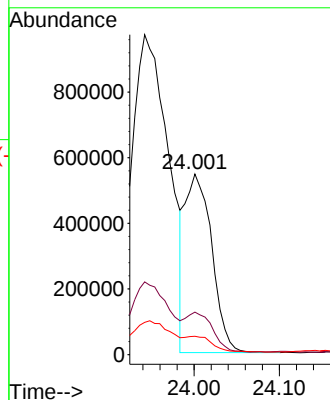
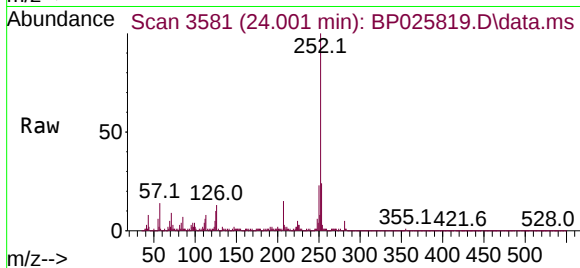
Tgt Ion:252 Resp: 1182924

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 10.1 7.5 11.3



#90

Benzo(a)pyrene

Concen: 33.093 ng

RT: 24.860 min Scan# 3727

Delta R.T. 0.018 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

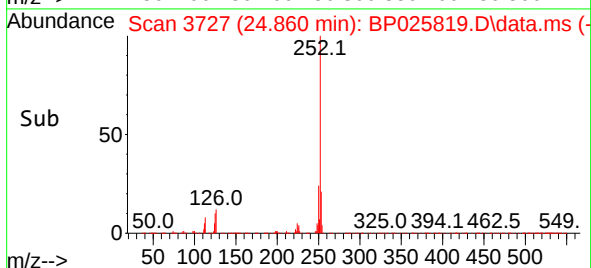
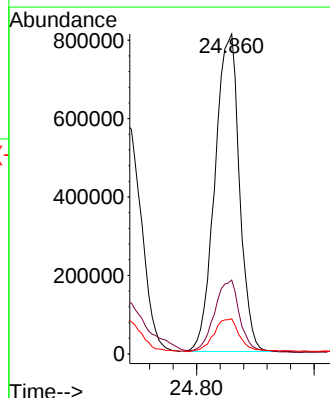
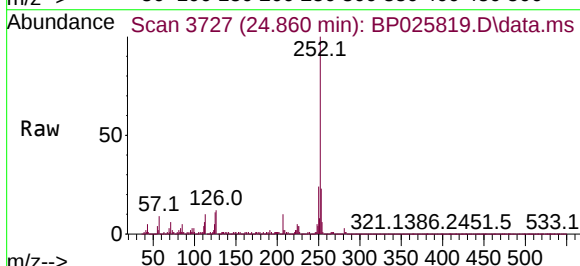
Tgt Ion:252 Resp: 2344998

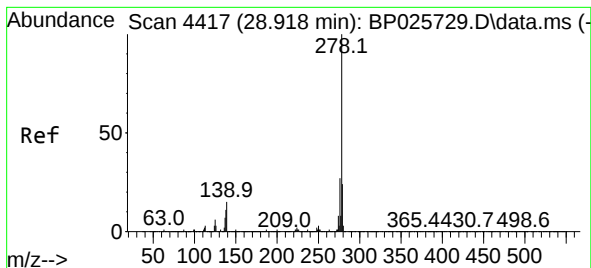
Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 11.0 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 5.831 ng

RT: 28.895 min Scan# 4417

Delta R.T. -0.023 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Instrument :

BNA_P

ClientSampleId :

361

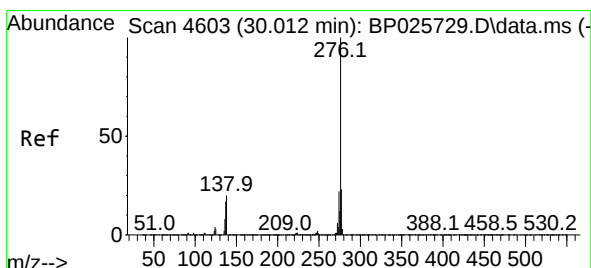
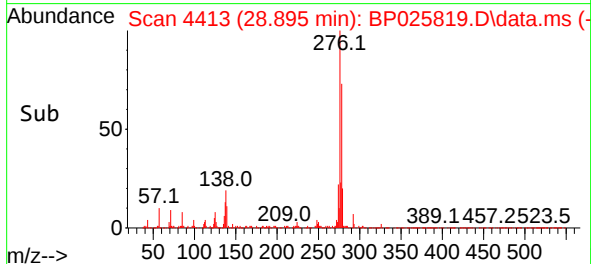
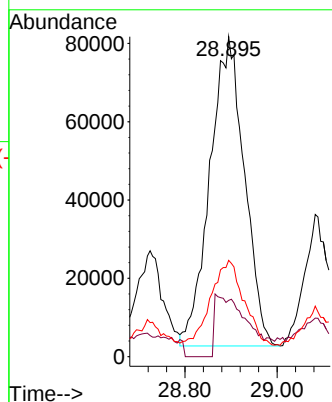
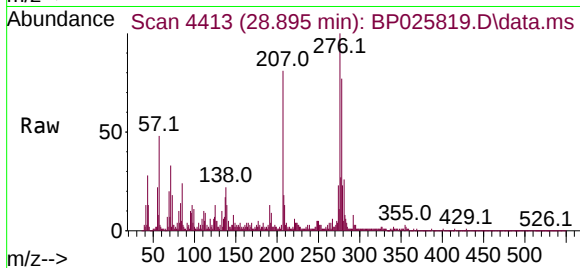
Tgt Ion:278 Resp: 410626

Ion Ratio Lower Upper

278 100

139 17.6 12.1 18.1

279 30.1 19.6 29.4#



#92

Benzo(g,h,i)perylene

Concen: 23.839 ng

RT: 30.036 min Scan# 4607

Delta R.T. 0.024 min

Lab File: BP025819.D

Acq: 22 Sep 2025 19:12

Tgt Ion:276 Resp: 1650833

Ion Ratio Lower Upper

276 100

277 24.4 18.7 28.1

138 22.2 16.0 24.0

