

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025888.D
 Acq On : 29 Sep 2025 19:52
 Operator : CG/JU
 Sample : Q3221-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-092625

Quant Time: Sep 30 05:09:00 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)

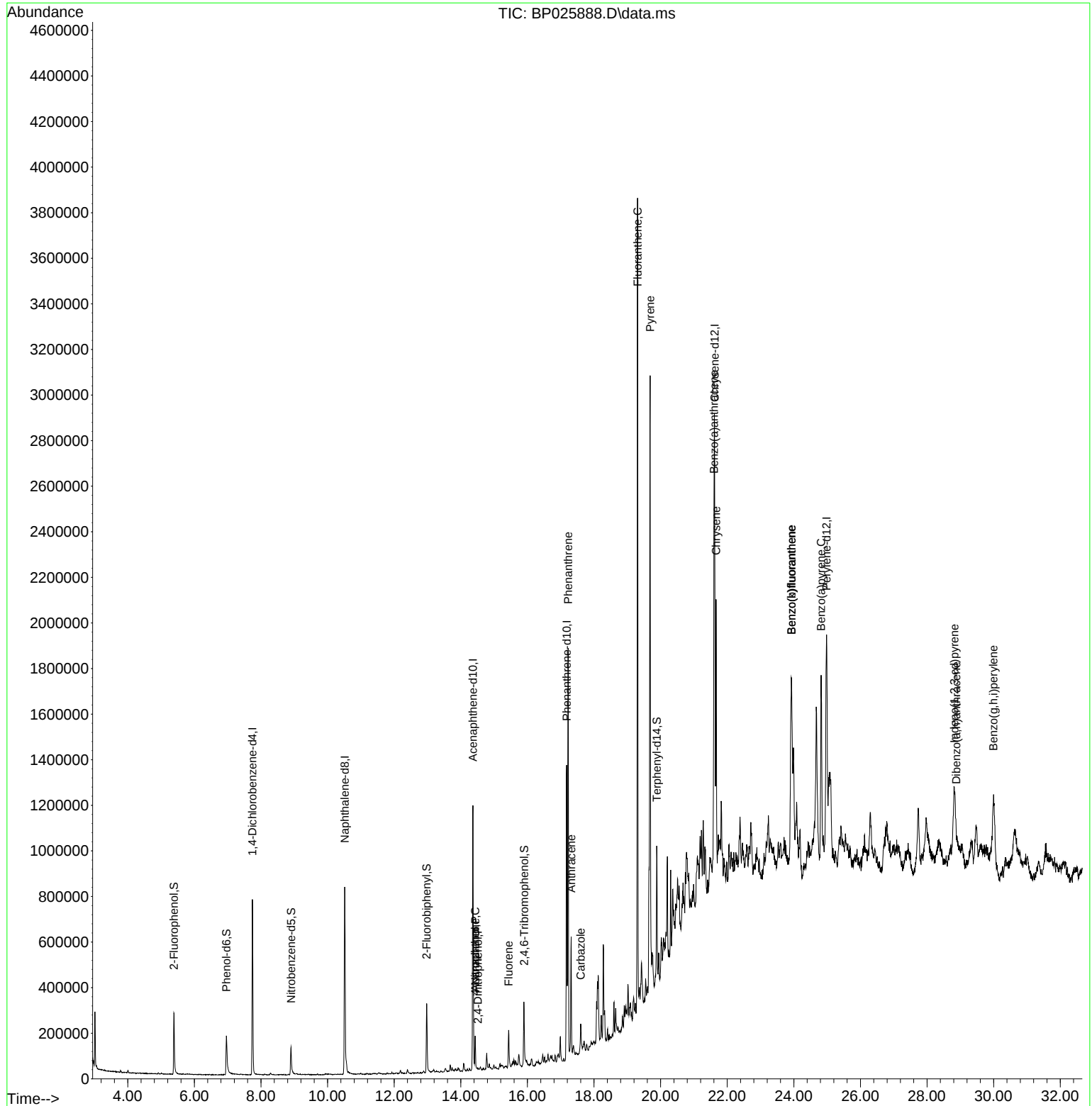
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	222688	20.000	ng	-0.02
21) Naphthalene-d8	10.513	136	823234	20.000	ng	-0.01
39) Acenaphthene-d10	14.366	164	469563	20.000	ng	-0.01
64) Phenanthrene-d10	17.178	188	842432	20.000	ng	0.00
76) Chrysene-d12	21.619	240	897283	20.000	ng	-0.02
86) Perylene-d12	24.983	264	1046465	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	149439	10.828	ng	0.00
7) Phenol-d6	6.961	99	159911	8.717	ng	0.01
23) Nitrobenzene-d5	8.902	82	100488	5.384	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	60784	10.378	ng	0.00
45) 2-Fluorobiphenyl	12.972	172	217130	6.157	ng	-0.02
79) Terphenyl-d14	19.883	244	296838	5.951	ng	-0.03
Target Compounds						Qvalue
52) Acenaphthene	14.431	154	55149	2.127	ng	97
54) 2,4-Dinitrophenol	14.513	184	25	4.829	ng	# 1
56) 4-Nitrophenol	14.437	139	596	4.564	ng	# 37
58) Fluorene	15.437	166	89039	2.649	ng	99
71) Phenanthrene	17.225	178	1158149	24.235	ng	99
72) Anthracene	17.313	178	329784	6.802	ng	98
73) Carbazole	17.601	167	103231	2.290	ng	98
75) Fluoranthene	19.307	202	2070360	36.124	ng	99
78) Pyrene	19.683	202	1744556	29.138	ng	99
81) Benzo(a)anthracene	21.601	228	921799	15.006	ng	98
83) Chrysene	21.666	228	805424	13.754	ng	98
87) Indeno(1,2,3-cd)pyrene	28.818	276	572802	7.527	ng	# 85
88) Benzo(b)fluoranthene	23.930	252	1067990	16.689	ng	98
89) Benzo(k)fluoranthene	23.930	252	1067990	16.355	ng	97
90) Benzo(a)pyrene	24.819	252	827085	13.198	ng	97
91) Dibenzo(a,h)anthracene	28.871	278	133073	2.137	ng	# 77
92) Benzo(g,h,i)perylene	29.995	276	542809	8.863	ng	97

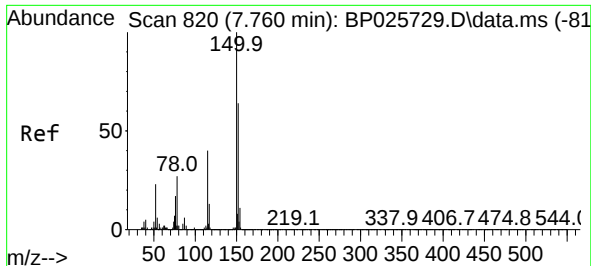
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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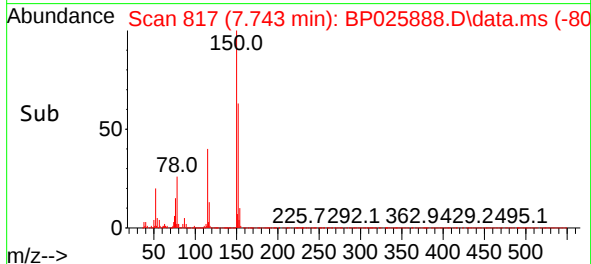
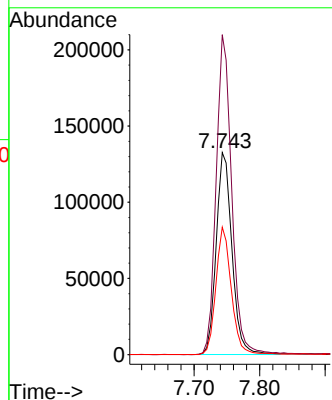
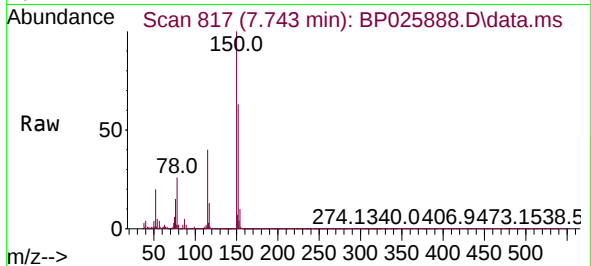




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

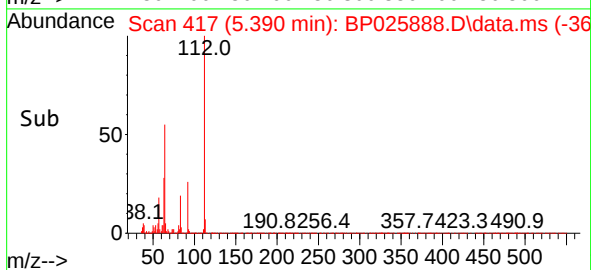
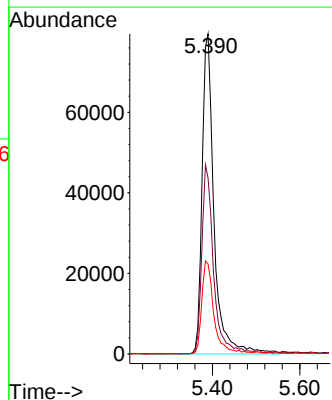
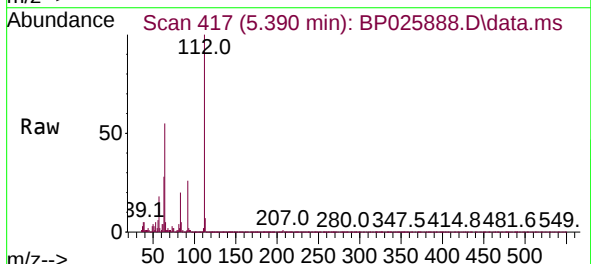
Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Tgt Ion:152 Resp: 222688
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 63.1 50.3 75.5



#5
2-Fluorophenol
Concen: 10.828 ng
RT: 5.390 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

Tgt Ion:112 Resp: 149439
Ion Ratio Lower Upper
112 100
64 55.0 50.2 75.4
63 28.1 26.7 40.1

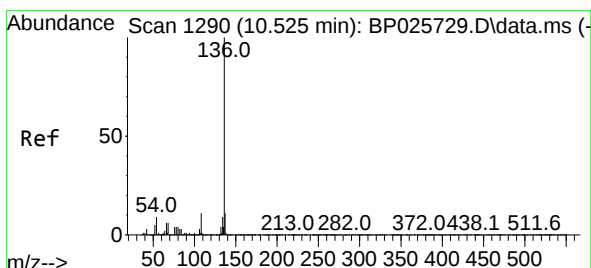
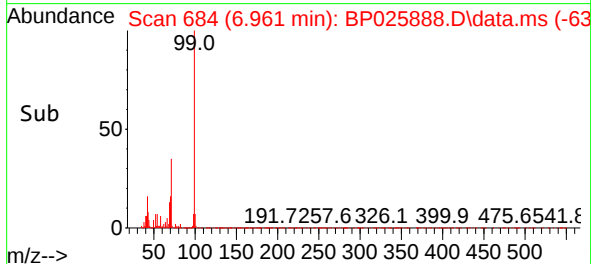
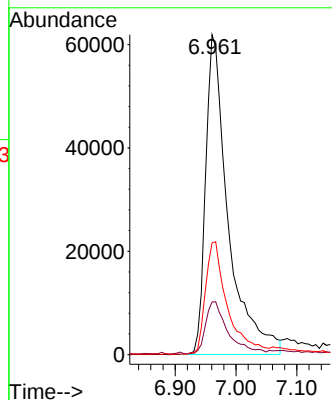
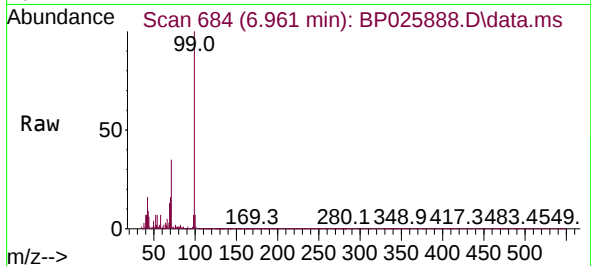




#7
Phenol-d6
Concen: 8.717 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.012 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

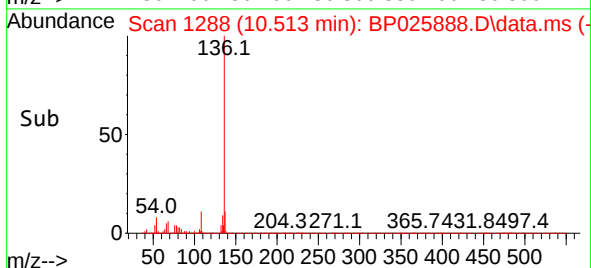
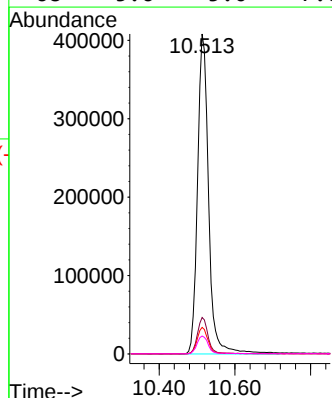
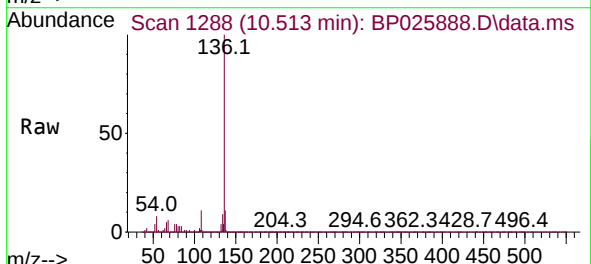
Instrument :
BNA_P
ClientSampleId :
HD-01-092625

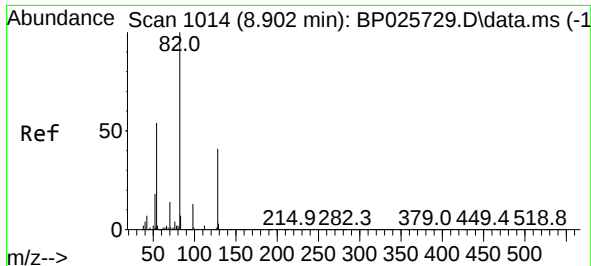
Tgt Ion: 99 Resp: 159911
Ion Ratio Lower Upper
99 100
42 16.4 15.6 23.4
71 34.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

Tgt Ion: 136 Resp: 823234
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.3 7.5 11.3
68 5.6 5.0 7.6

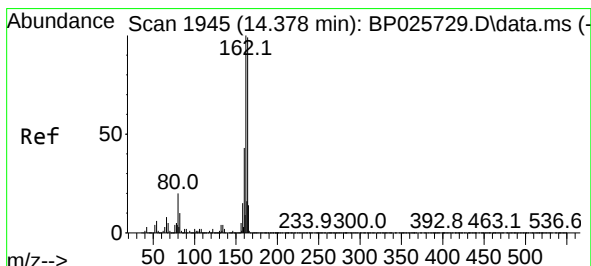
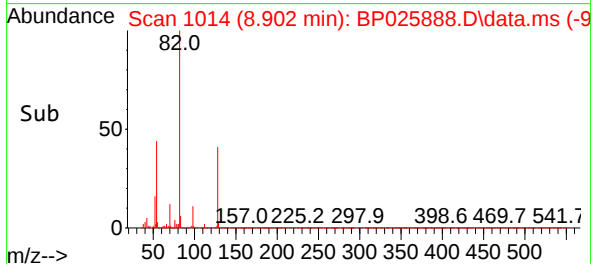
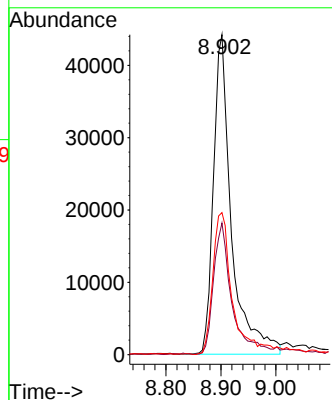
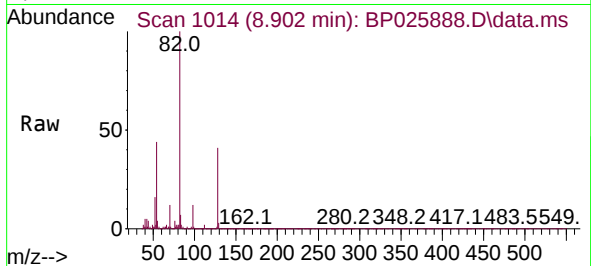




#23
Nitrobenzene-d5
Concen: 5.384 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

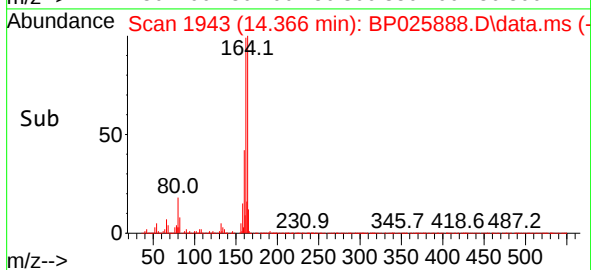
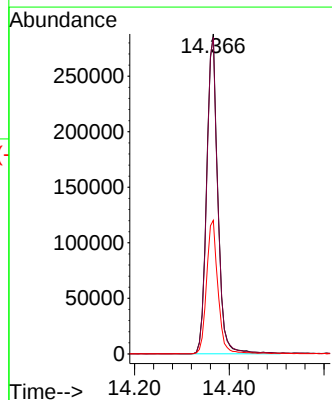
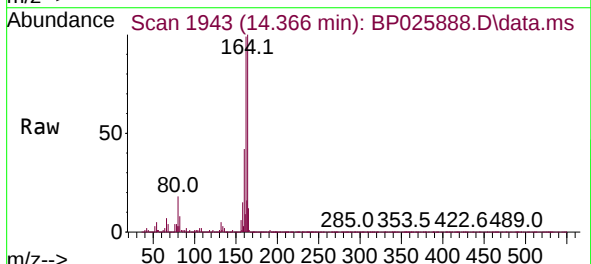
Instrument :
BNA_P
ClientSampleId :
HD-01-092625

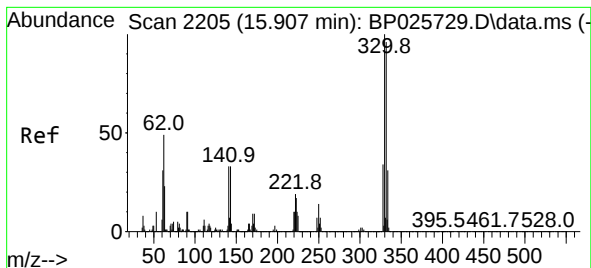
Tgt Ion: 82 Resp: 100488
Ion Ratio Lower Upper
82 100
128 41.1 32.9 49.3
54 44.4 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

Tgt Ion: 164 Resp: 469563
Ion Ratio Lower Upper
164 100
162 98.9 80.6 120.8
160 41.7 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 10.378 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

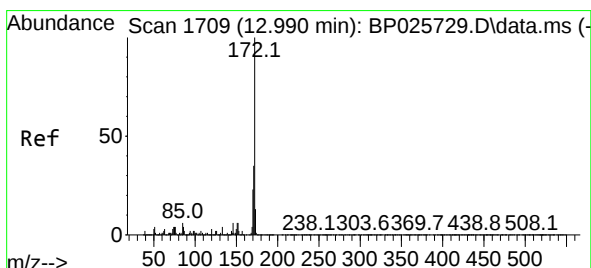
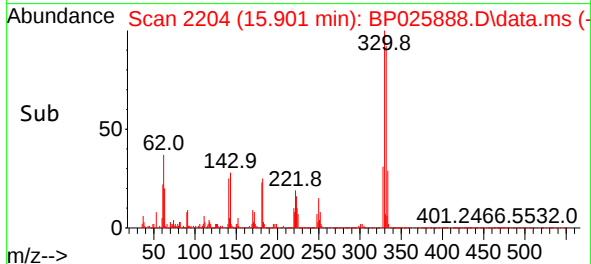
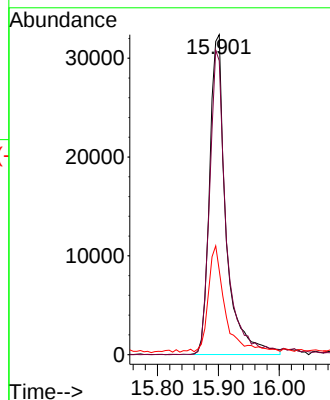
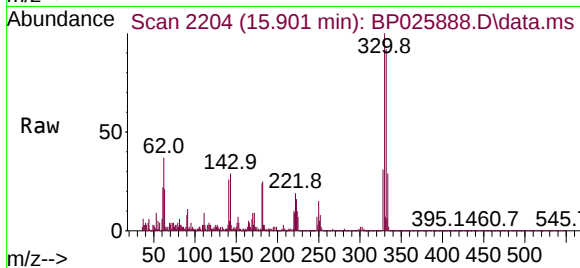
Tgt Ion:330 Resp: 60784

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 34.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 6.157 ng

RT: 12.972 min Scan# 1706

Delta R.T. -0.018 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

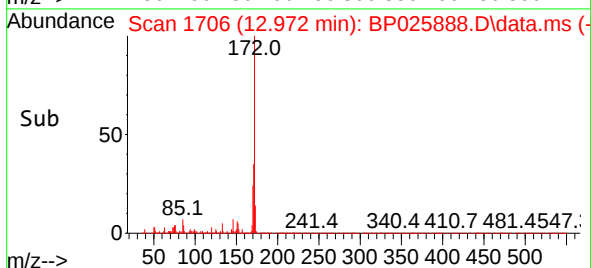
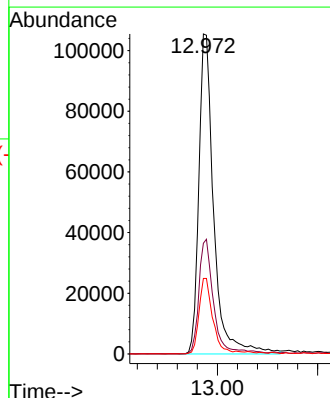
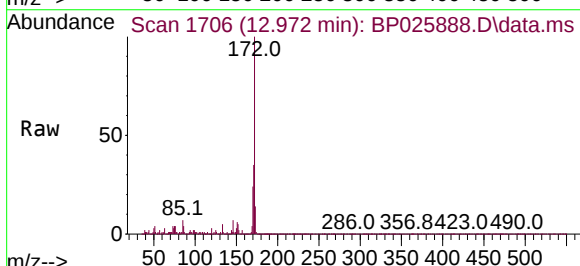
Tgt Ion:172 Resp: 217130

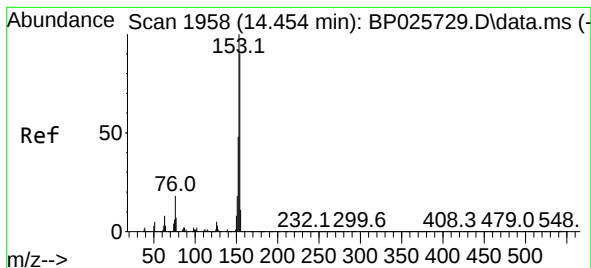
Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.6 18.6 27.8





#52

Acenaphthene

Concen: 2.127 ng

RT: 14.431 min Scan# 1958

Delta R.T. -0.023 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

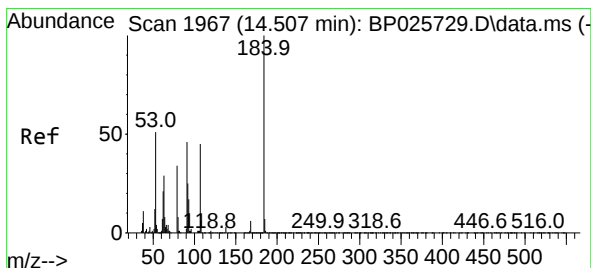
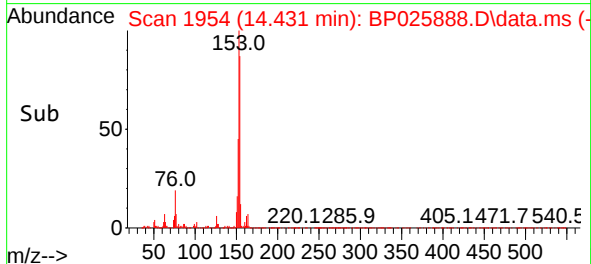
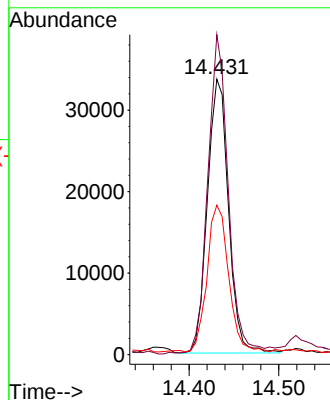
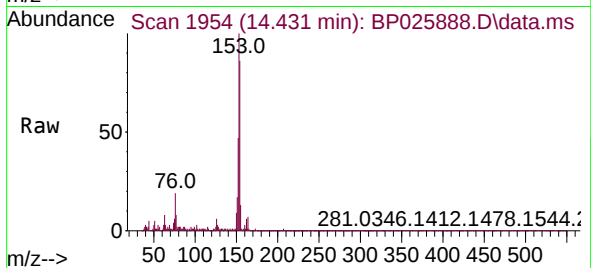
Tgt Ion:154 Resp: 55149

Ion Ratio Lower Upper

154 100

153 116.2 89.4 134.0

152 54.2 42.5 63.7



#54

2,4-Dinitrophenol

Concen: 4.829 ng

RT: 14.513 min Scan# 1968

Delta R.T. 0.006 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

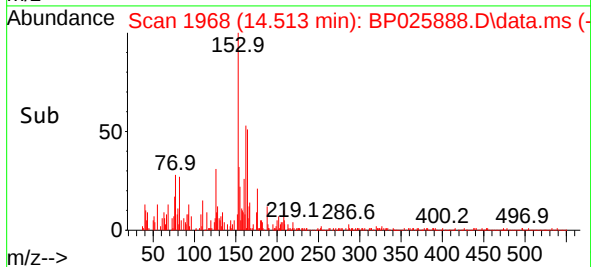
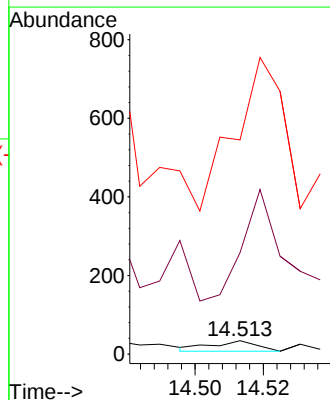
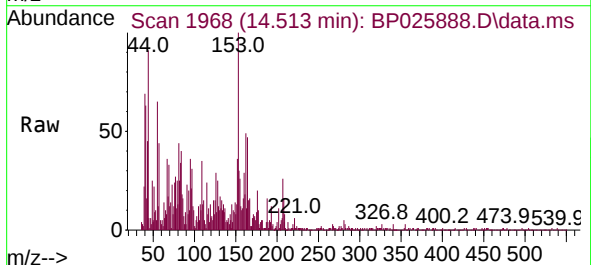
Tgt Ion:184 Resp: 25

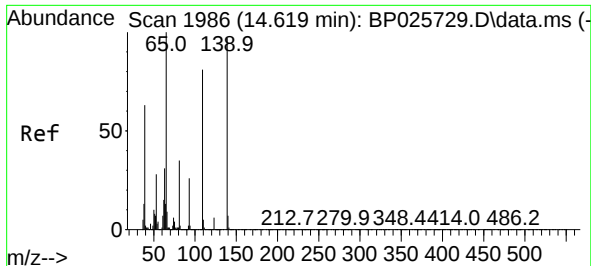
Ion Ratio Lower Upper

184 100

63 758.8 52.5 78.7#

154 1602.9 51.5 77.3#

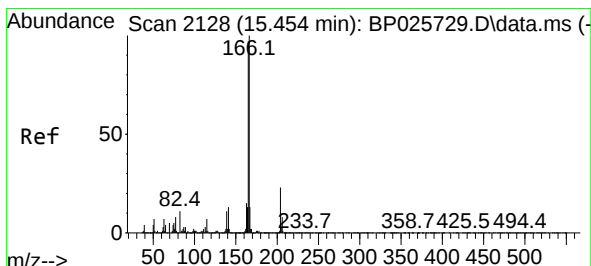
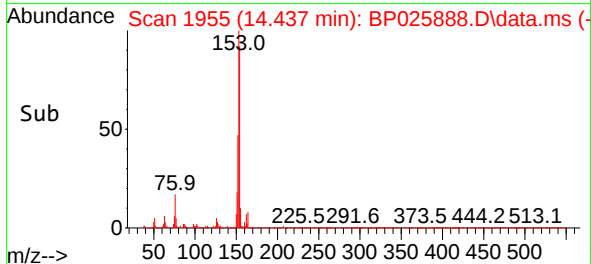
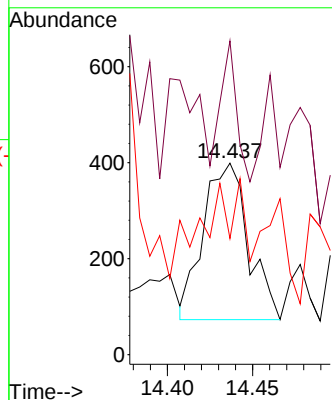
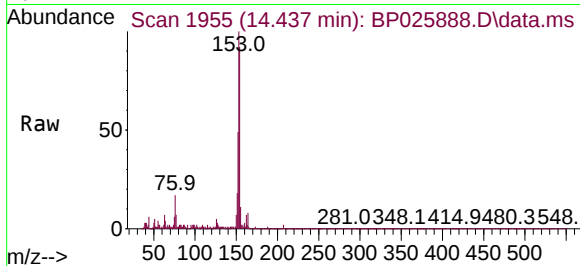




#56
4-Nitrophenol
Concen: 4.564 ng
RT: 14.437 min Scan# 1986
Delta R.T. -0.182 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

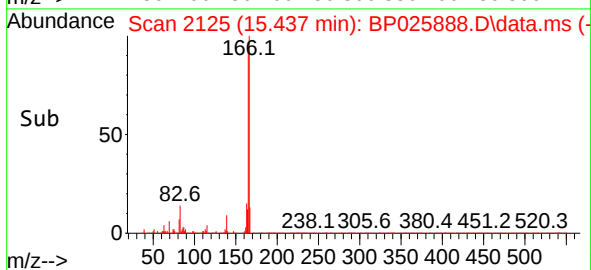
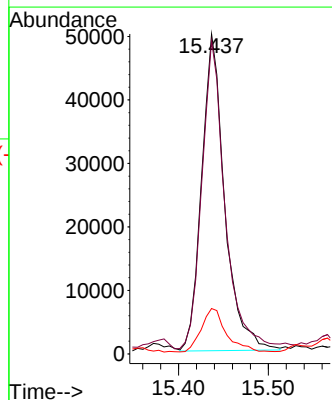
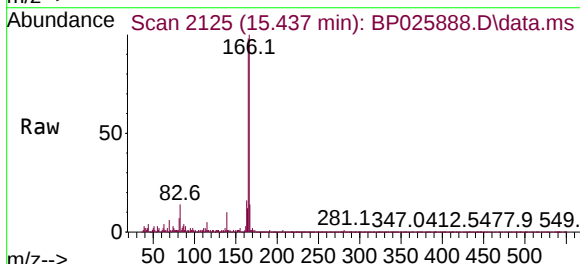
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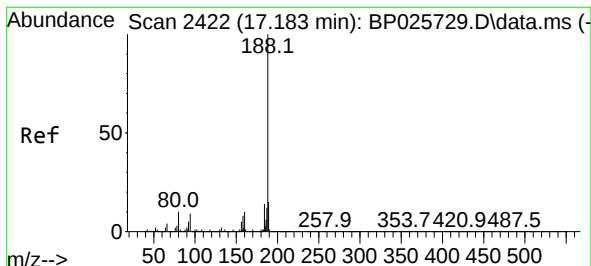
Tgt Ion:139 Resp: 596
Ion Ratio Lower Upper
139 100
109 163.9 62.9 102.9#
65 60.7 83.4 123.4#



#58
Fluorene
Concen: 2.649 ng
RT: 15.437 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

Tgt Ion:166 Resp: 89039
Ion Ratio Lower Upper
166 100
165 97.9 77.7 116.5
167 14.2 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: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

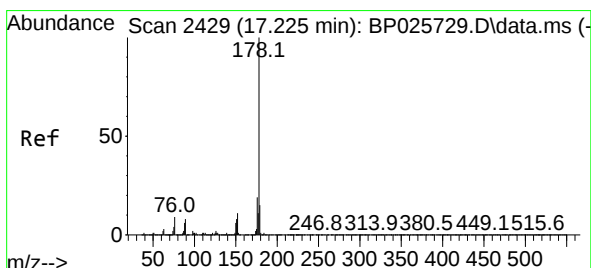
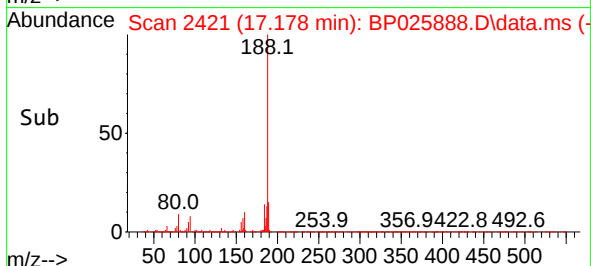
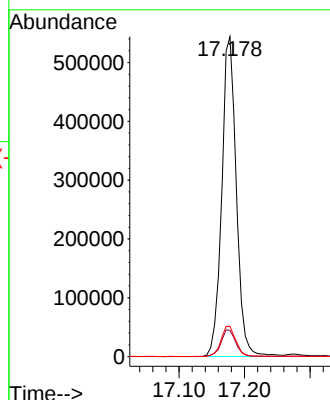
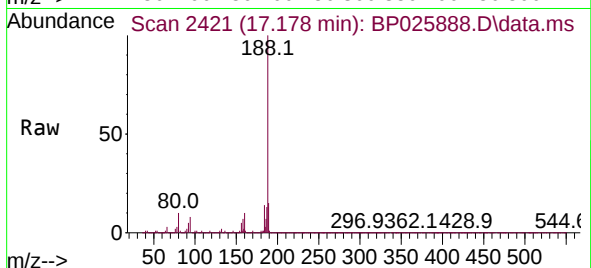
Tgt Ion:188 Resp: 842432

Ion Ratio Lower Upper

188 100

94 8.2 7.4 11.0

80 9.5 7.7 11.5



#71

Phenanthrene

Concen: 24.235 ng

RT: 17.225 min Scan# 2429

Delta R.T. 0.000 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

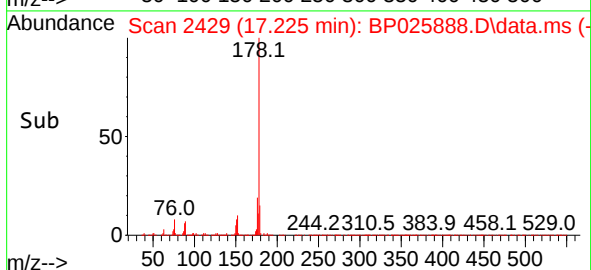
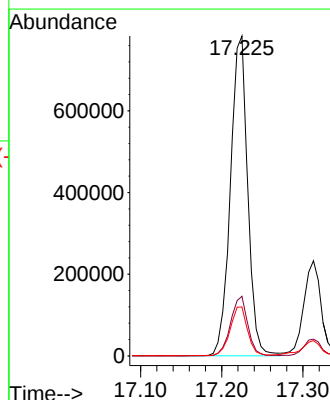
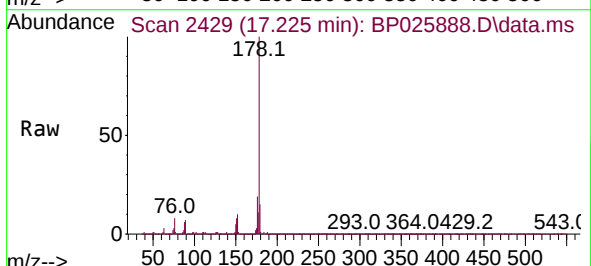
Tgt Ion:178 Resp: 1158149

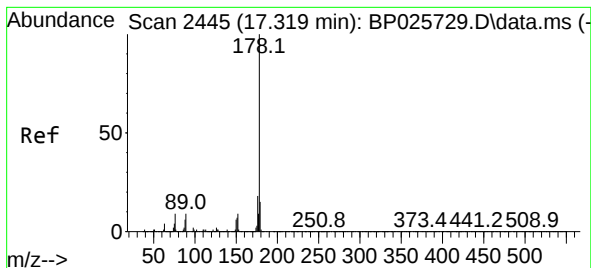
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.3 12.2 18.4





#72

Anthracene

Concen: 6.802 ng

RT: 17.313 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

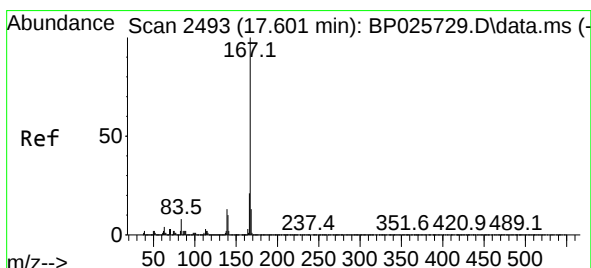
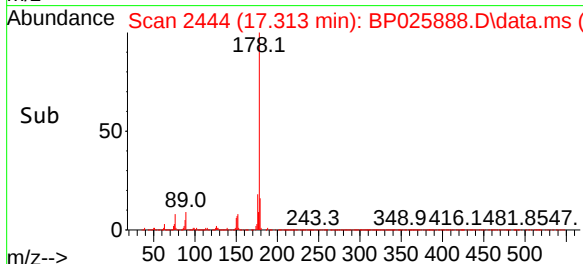
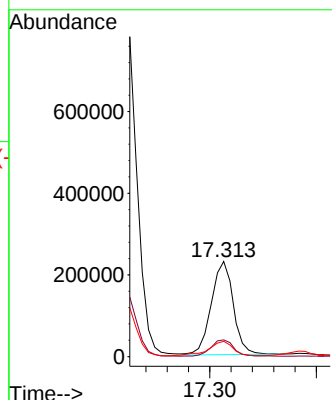
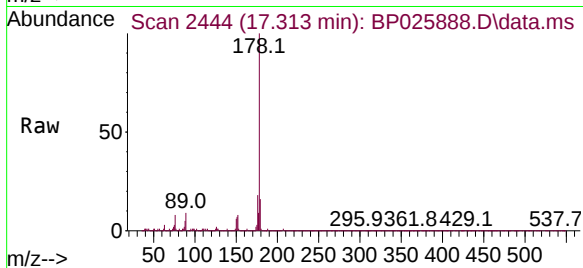
Tgt Ion:178 Resp: 329784

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

179 16.1 12.2 18.4



#73

Carbazole

Concen: 2.290 ng

RT: 17.601 min Scan# 2493

Delta R.T. 0.000 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

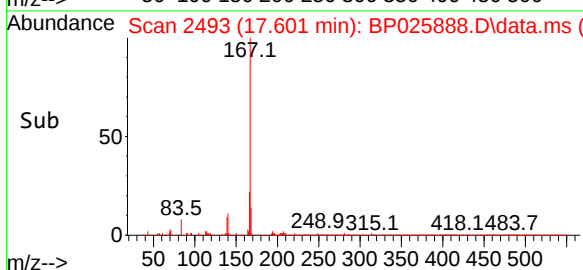
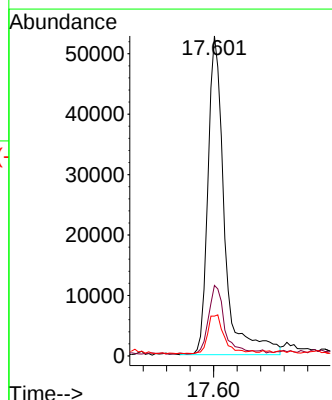
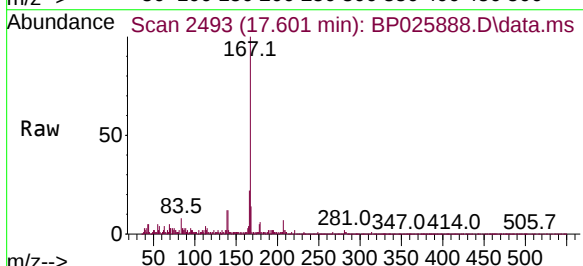
Tgt Ion:167 Resp: 103231

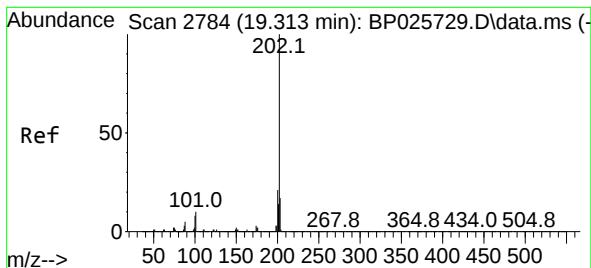
Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.4

139 12.4 10.6 16.0





#75

Fluoranthene

Concen: 36.124 ng

RT: 19.307 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

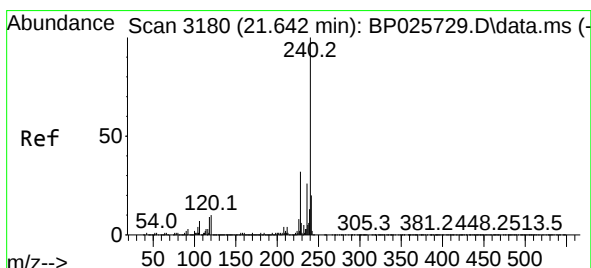
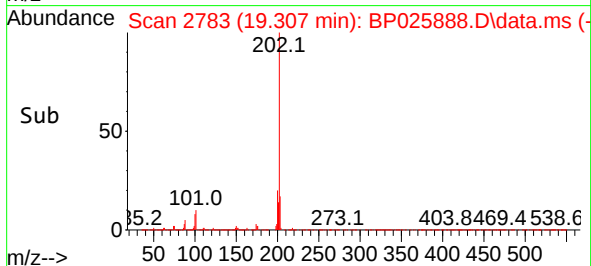
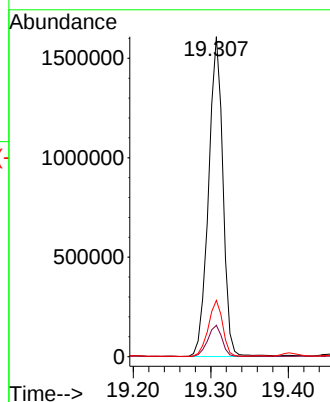
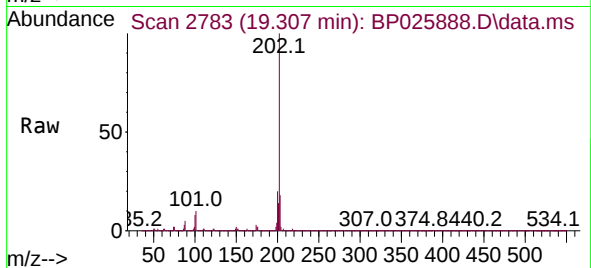
Tgt Ion:202 Resp: 2070360

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.4

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3176

Delta R.T. -0.023 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

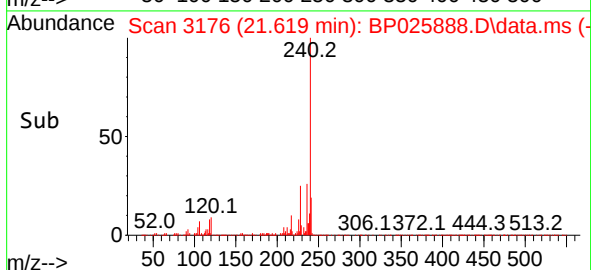
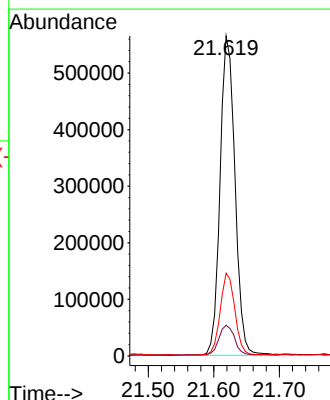
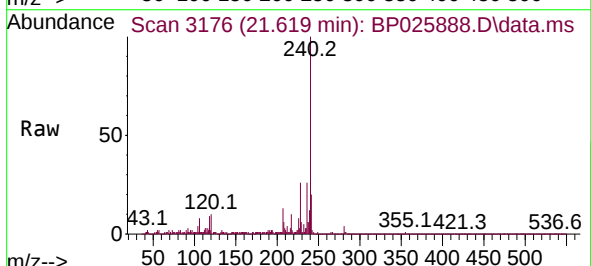
Tgt Ion:240 Resp: 897283

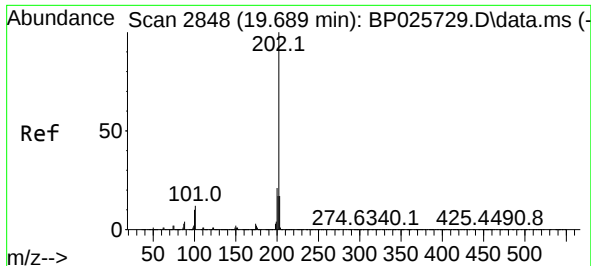
Ion Ratio Lower Upper

240 100

120 9.6 8.0 12.0

236 25.8 20.7 31.1

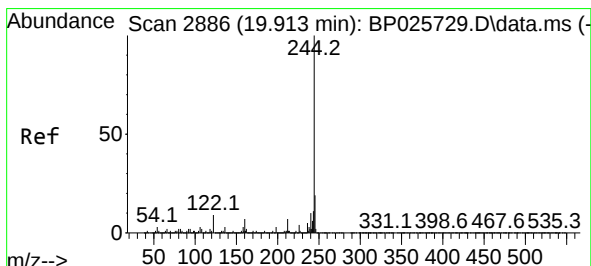
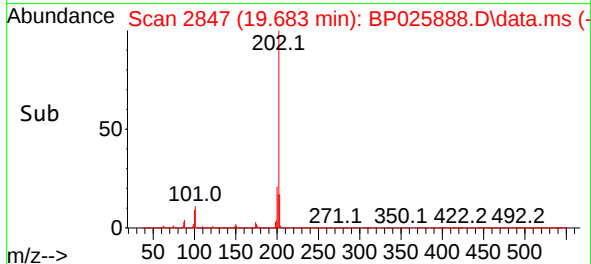
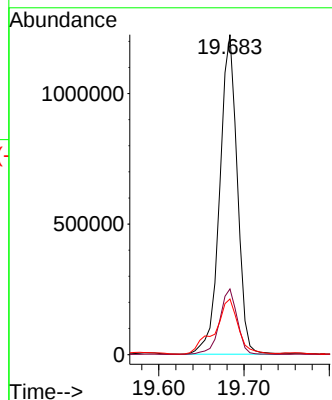
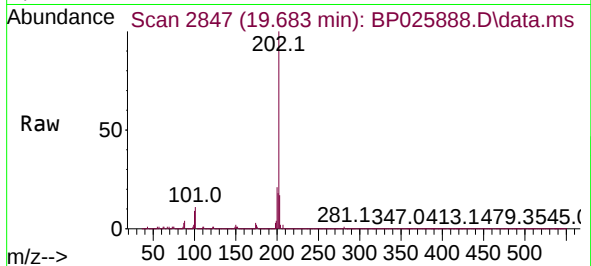




#78
Pyrene
Concen: 29.138 ng
RT: 19.683 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

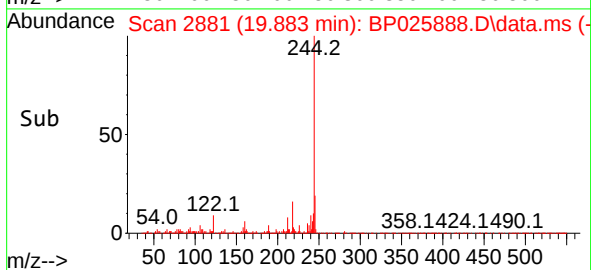
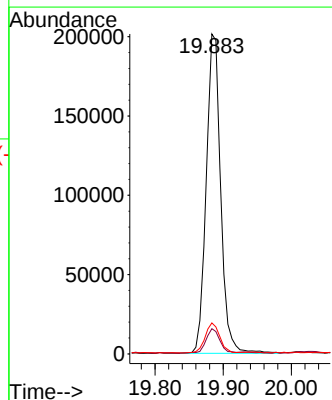
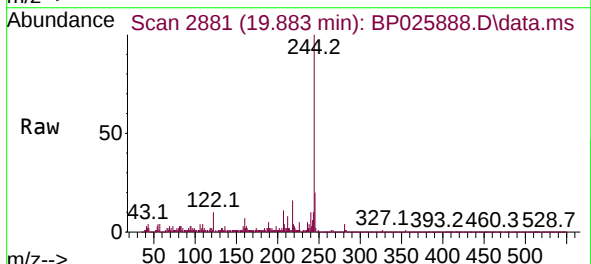
Instrument :
BNA_P
ClientSampleId :
HD-01-092625

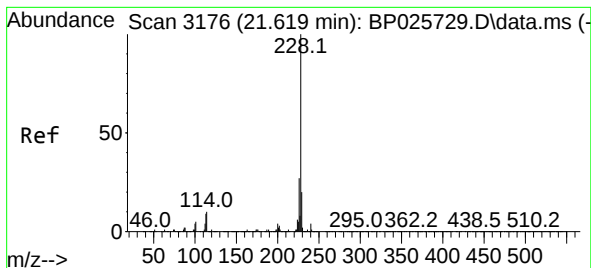
Tgt Ion:202 Resp: 1744556
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.4 13.9 20.9



#79
Terphenyl-d14
Concen: 5.951 ng
RT: 19.883 min Scan# 2881
Delta R.T. -0.029 min
Lab File: BP025888.D
Acq: 29 Sep 2025 19:52

Tgt Ion:244 Resp: 296838
Ion Ratio Lower Upper
244 100
212 7.9 5.9 8.9
122 9.7 7.1 10.7





#81

Benzo(a)anthracene

Concen: 15.006 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

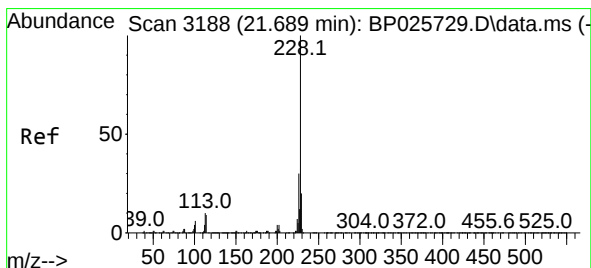
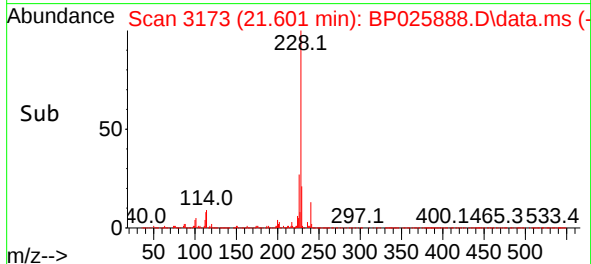
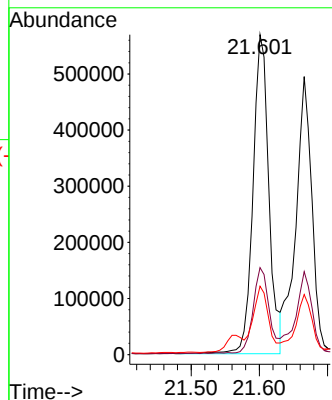
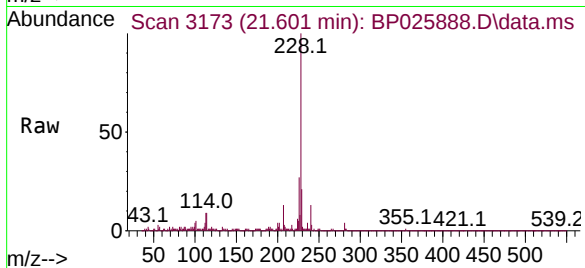
Tgt Ion:228 Resp: 921799

Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

229 21.4 15.7 23.5



#83

Chrysene

Concen: 13.754 ng

RT: 21.666 min Scan# 3184

Delta R.T. -0.023 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

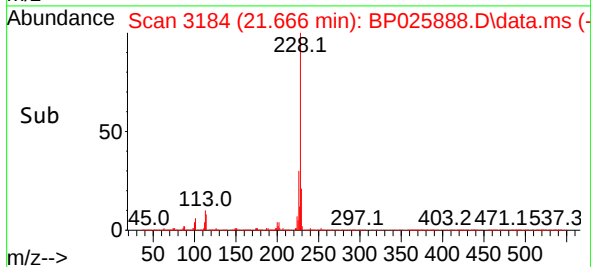
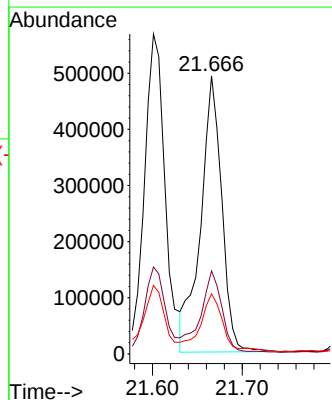
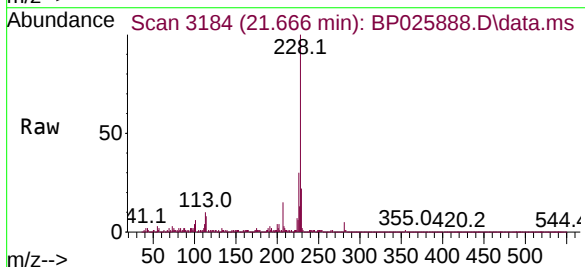
Tgt Ion:228 Resp: 805424

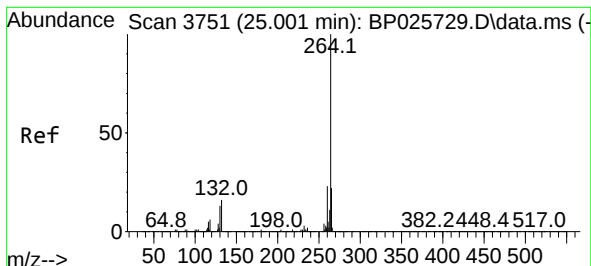
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

229 21.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

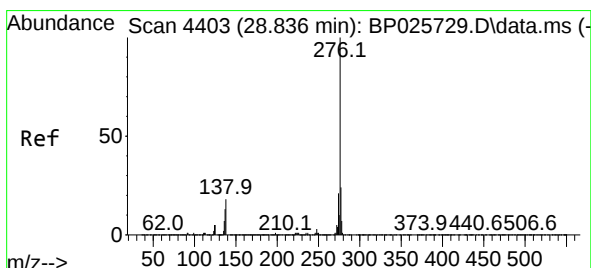
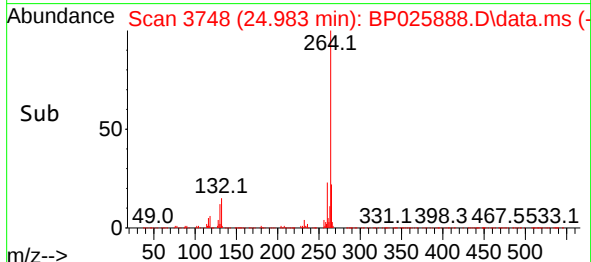
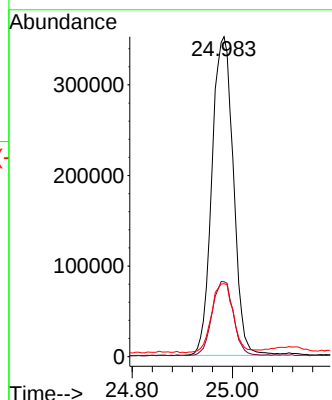
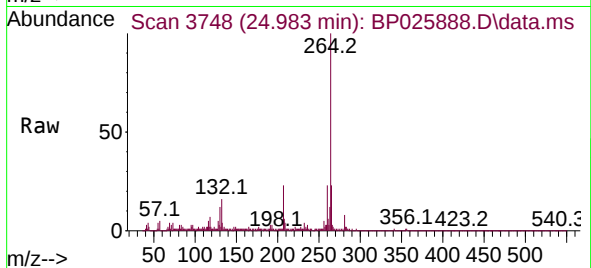
Tgt Ion:264 Resp: 1046465

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.527 ng

RT: 28.818 min Scan# 4400

Delta R.T. -0.018 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

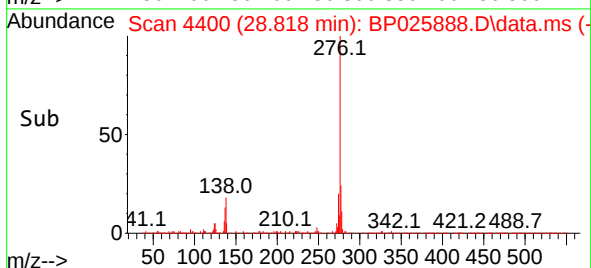
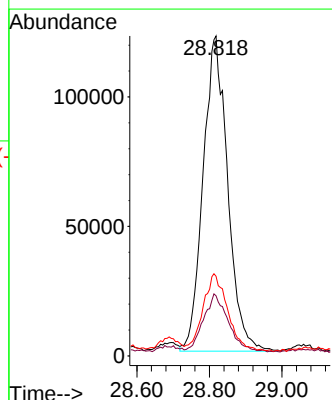
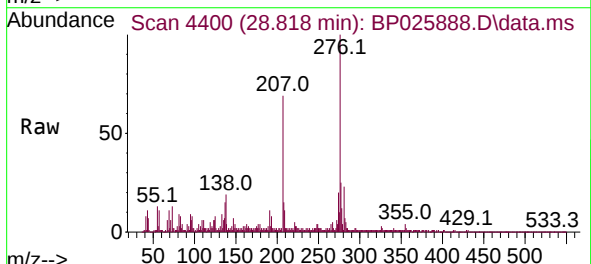
Tgt Ion:276 Resp: 572802

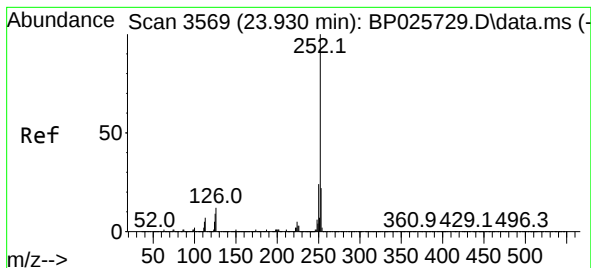
Ion Ratio Lower Upper

276 100

138 17.7 13.4 20.2

277 24.1 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 16.689 ng

RT: 23.930 min Scan# 3569

Delta R.T. 0.000 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

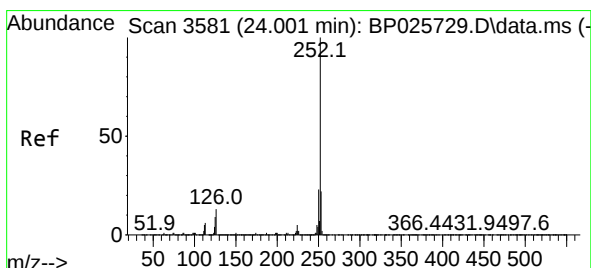
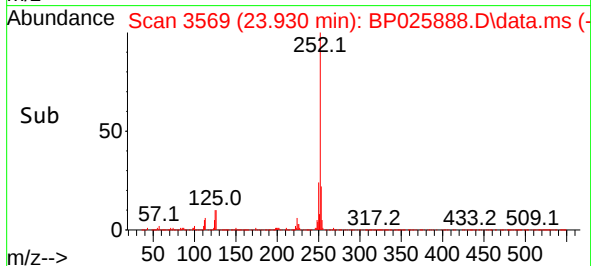
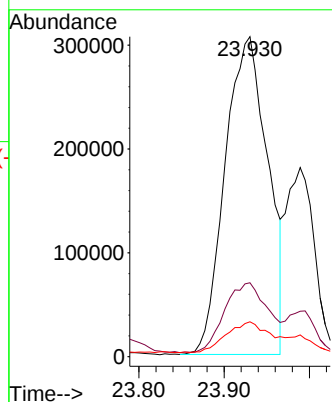
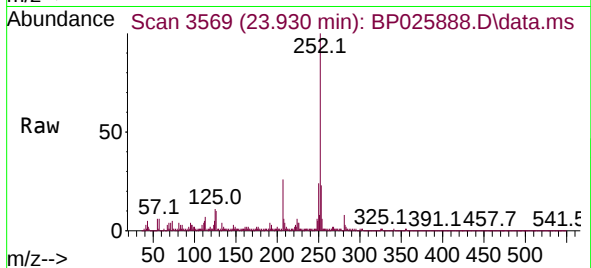
Tgt Ion:252 Resp: 1067990

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.9 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 16.355 ng

RT: 23.930 min Scan# 3569

Delta R.T. -0.070 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

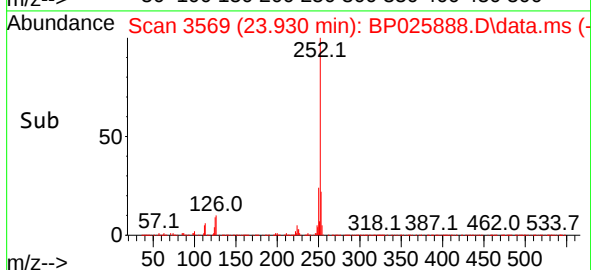
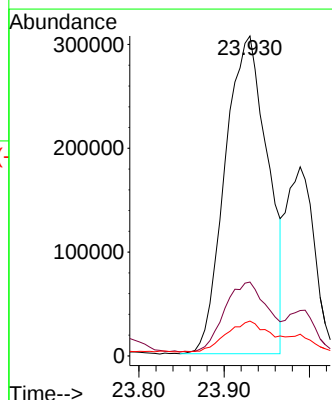
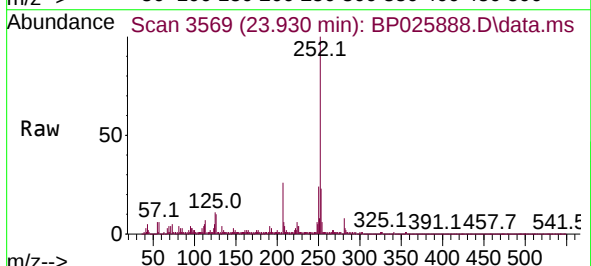
Tgt Ion:252 Resp: 1067990

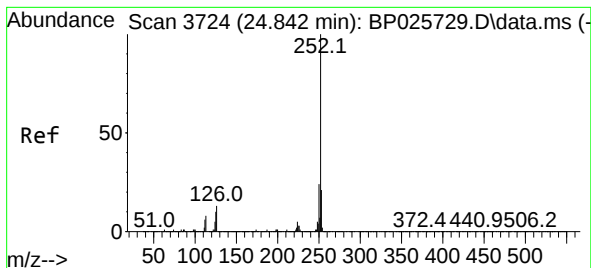
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 13.198 ng

RT: 24.819 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

Instrument :

BNA_P

ClientSampleId :

HD-01-092625

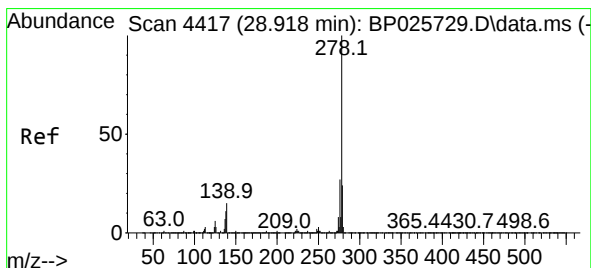
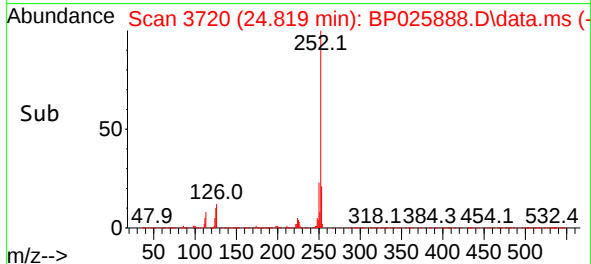
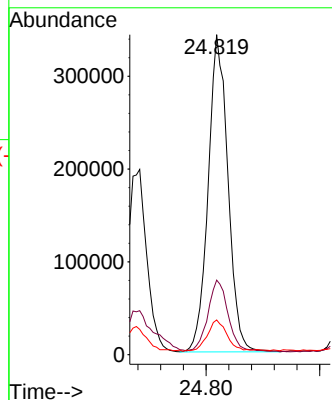
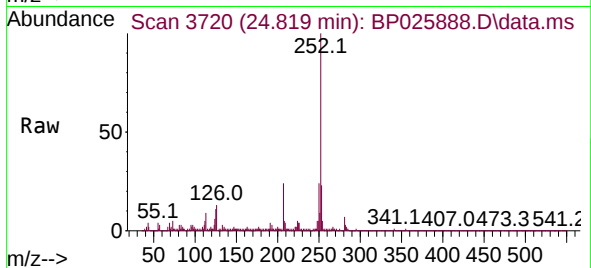
Tgt Ion:252 Resp: 827085

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 10.8 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 2.137 ng

RT: 28.871 min Scan# 4409

Delta R.T. -0.047 min

Lab File: BP025888.D

Acq: 29 Sep 2025 19:52

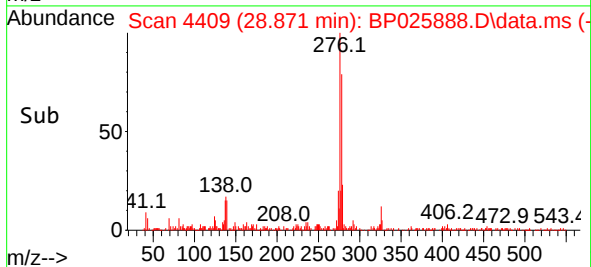
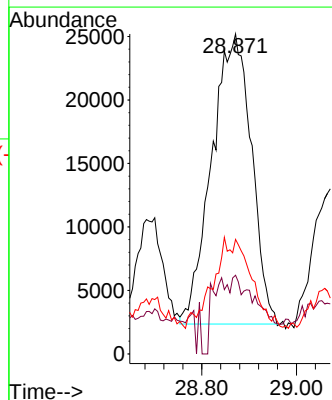
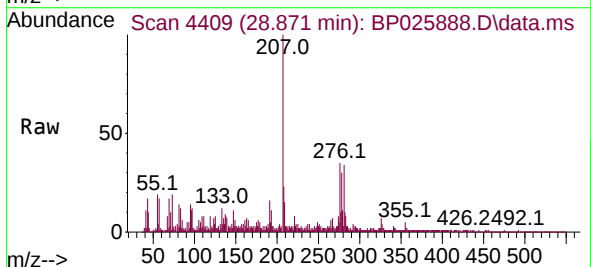
Tgt Ion:278 Resp: 133073

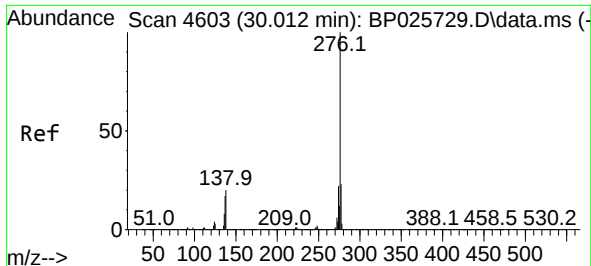
Ion Ratio Lower Upper

278 100

139 24.6 12.1 18.1#

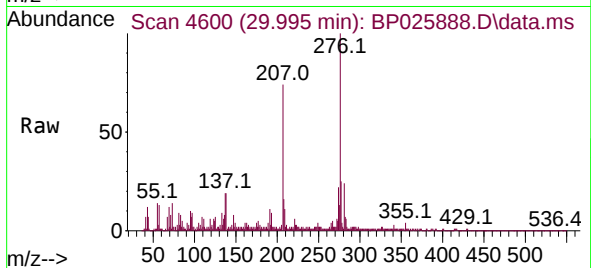
279 35.8 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 8.863 ng
 RT: 29.995 min Scan# 4600
 Delta R.T. -0.018 min
 Lab File: BP025888.D
 Acq: 29 Sep 2025 19:52

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-092625



Tgt Ion: 276 Resp: 542809
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.7 28.1
 138 18.8 16.0 24.0

