

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
 Data File : BP025921.D
 Acq On : 03 Oct 2025 19:46
 Operator : CG/JU
 Sample : Q3271-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11929

Quant Time: Oct 04 02:18:56 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)

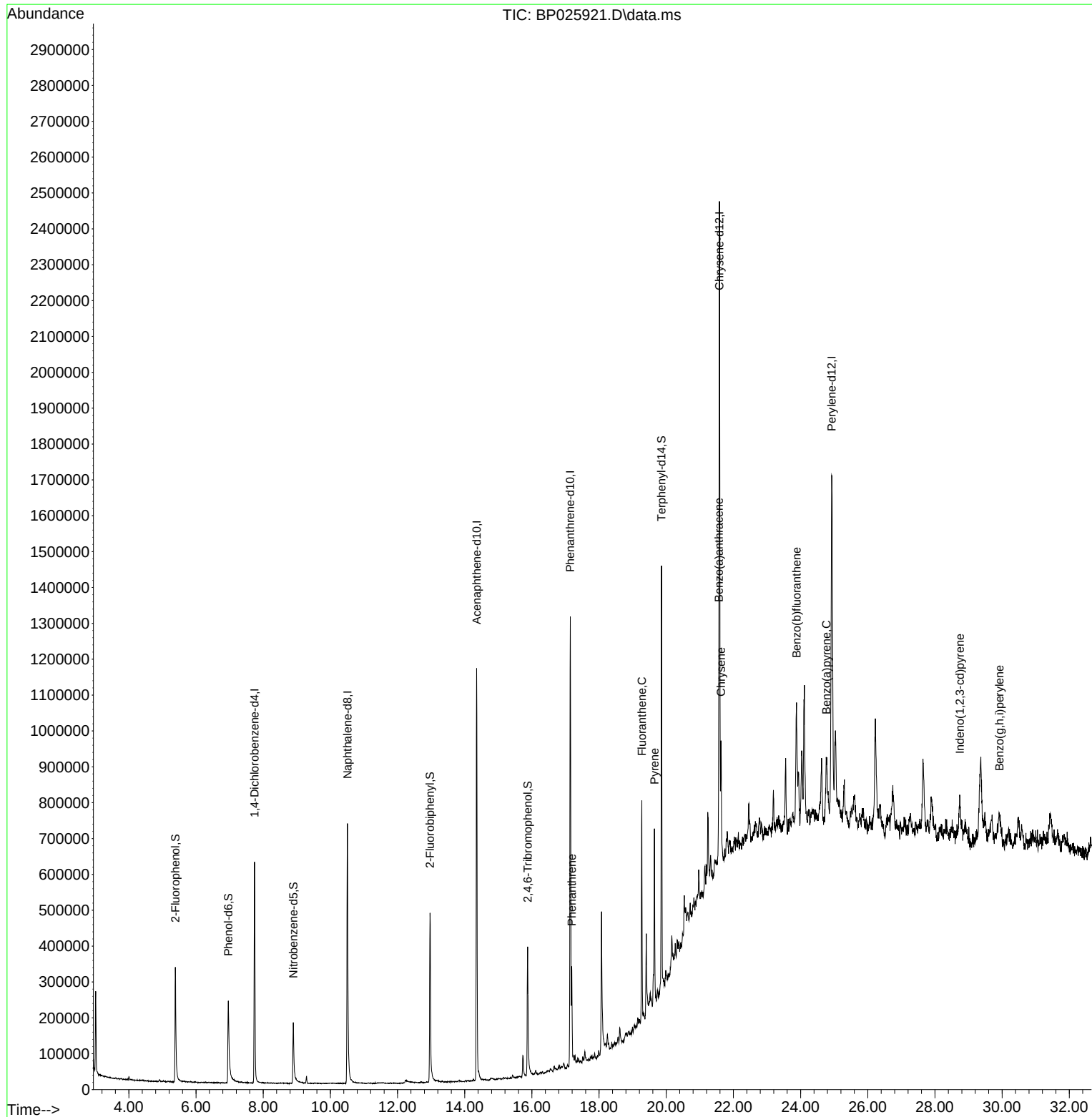
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	186329	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	729357	20.000	ng	-0.02
39) Acenaphthene-d10	14.354	164	473042	20.000	ng	-0.02
64) Phenanthrene-d10	17.142	188	924648	20.000	ng	-0.04
76) Chrysene-d12	21.583	240	981875	20.000	ng	-0.06
86) Perylene-d12	24.924	264	1104419	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	186878	16.183	ng	0.00
7) Phenol-d6	6.960	99	228287	14.873	ng	0.01
23) Nitrobenzene-d5	8.896	82	141060	8.531	ng	0.00
42) 2,4,6-Tribromophenol	15.872	330	93337	15.819	ng	-0.04
45) 2-Fluorobiphenyl	12.966	172	349519	9.838	ng	-0.02
79) Terphenyl-d14	19.860	244	583558	10.692	ng	-0.05
Target Compounds						Qvalue
71) Phenanthrene	17.189	178	133732	2.550	ng	99
75) Fluoranthene	19.272	202	368756	5.862	ng	99
78) Pyrene	19.648	202	308624	4.711	ng	98
81) Benzo(a)anthracene	21.566	228	170893	2.542	ng	96
83) Chrysene	21.630	228	237053	3.699	ng	96
87) Indeno(1,2,3-cd)pyrene	28.742	276	179139	2.230	ng	# 81
88) Benzo(b)fluoranthene	23.877	252	350759	5.194	ng	# 95
90) Benzo(a)pyrene	24.765	252	194841	2.946	ng	# 95
92) Benzo(g,h,i)perylene	29.918	276	179233	2.773	ng	93

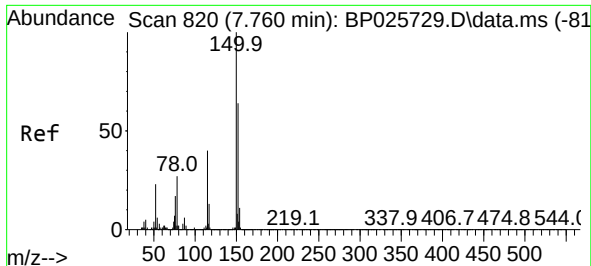
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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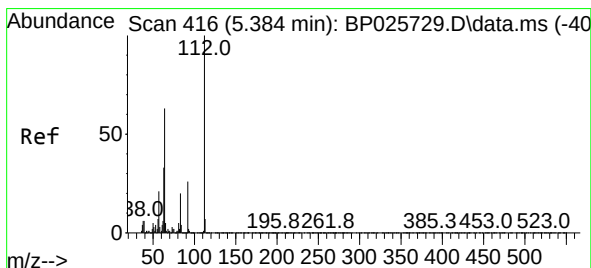
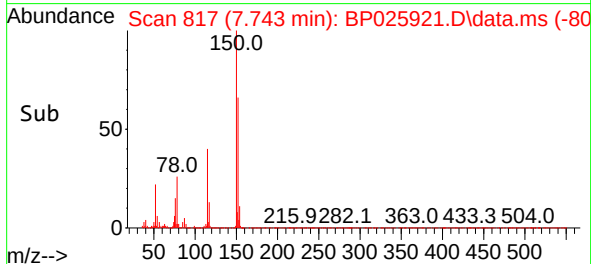
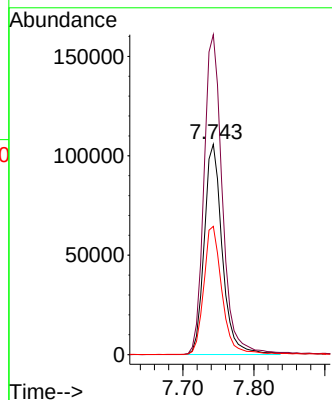
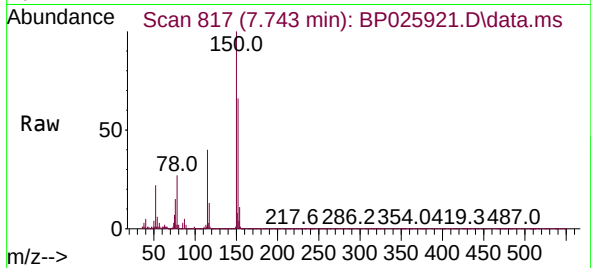




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

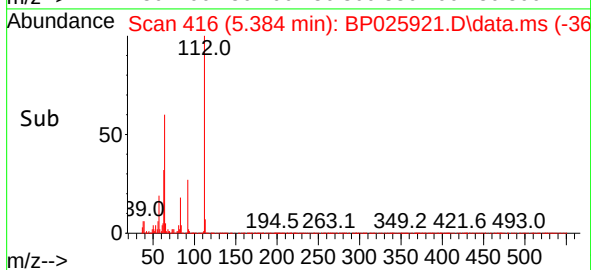
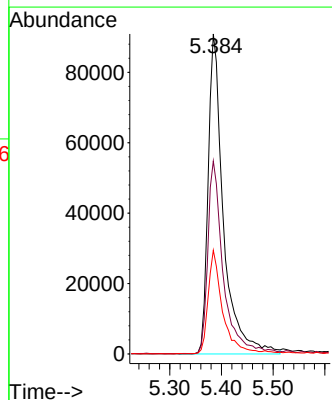
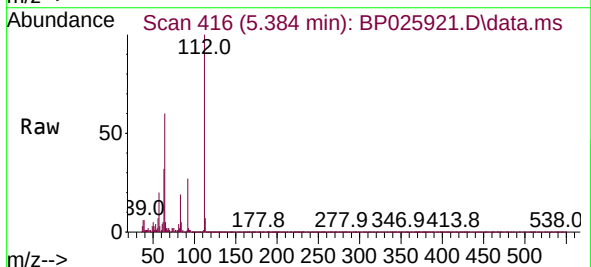
Instrument :
BNA_P
ClientSampleId :
72-11929

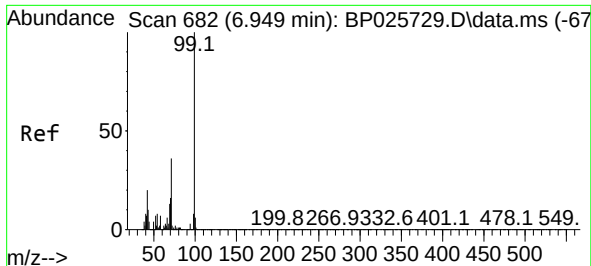
Tgt Ion:152 Resp: 186329
Ion Ratio Lower Upper
152 100
150 152.2 124.3 186.5
115 61.0 50.3 75.5



#5
2-Fluorophenol
Concen: 16.183 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

Tgt Ion:112 Resp: 186878
Ion Ratio Lower Upper
112 100
64 60.3 50.2 75.4
63 32.4 26.7 40.1

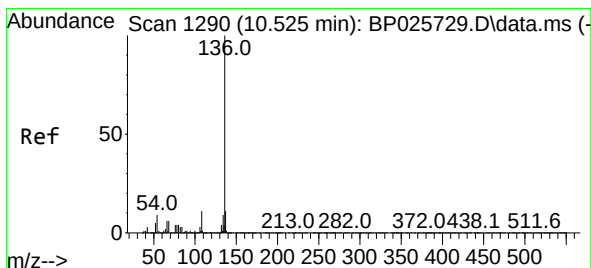
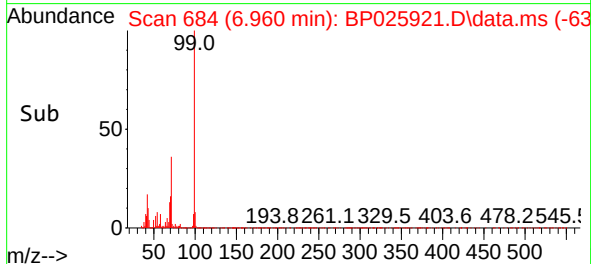
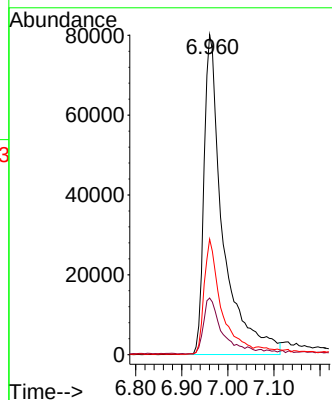
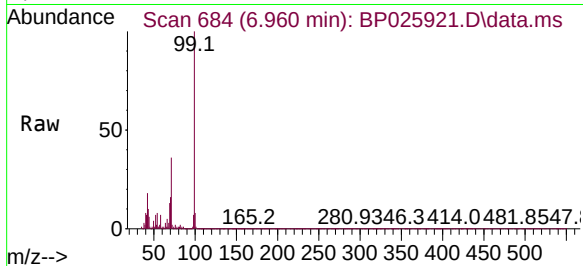




#7
Phenol-d6
Concen: 14.873 ng
RT: 6.960 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

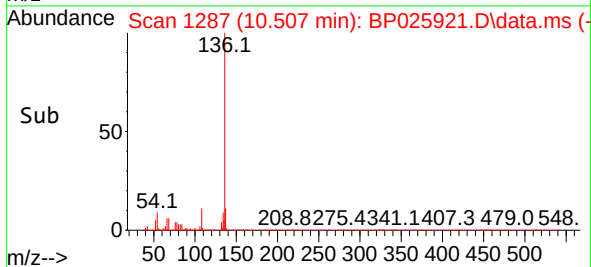
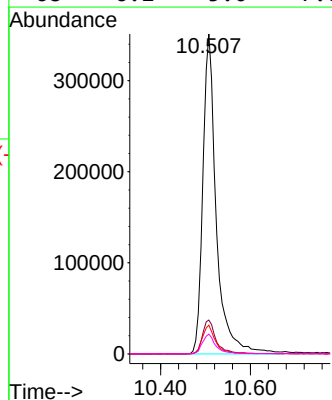
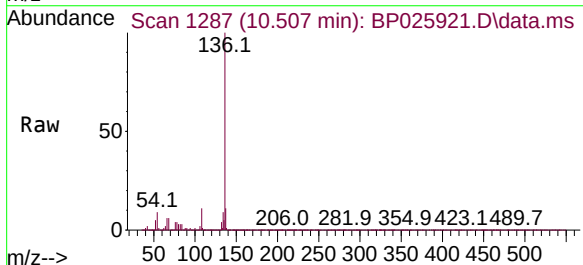
Instrument :
BNA_P
ClientSampleId :
72-11929

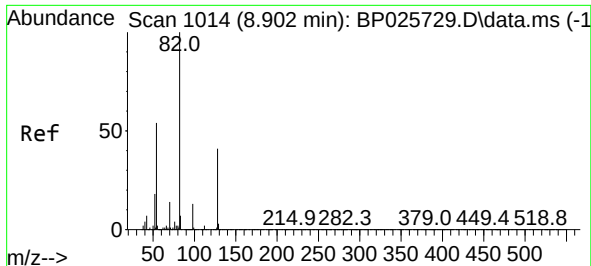
Tgt Ion:	99	Resp:	228287
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.6	23.4
71	36.1	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

Tgt Ion:	136	Resp:	729357
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	9.0	7.5	11.3
68	6.2	5.0	7.6

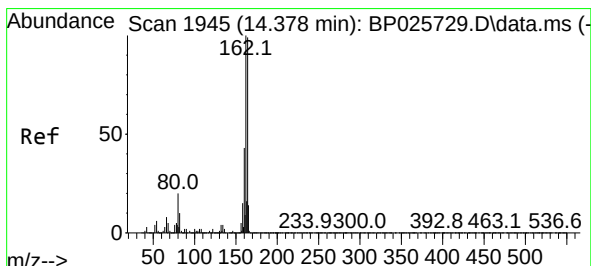
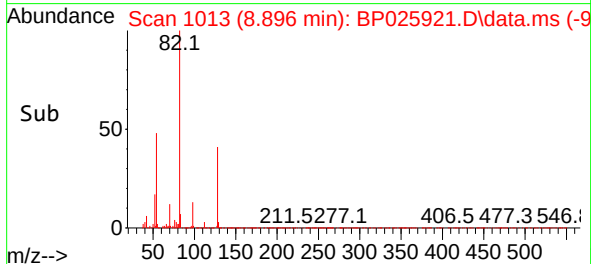
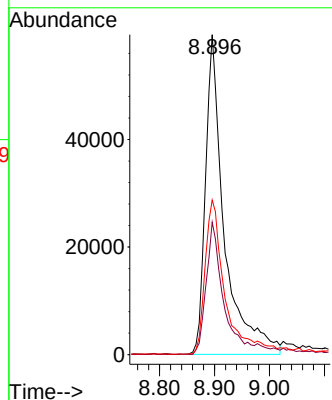
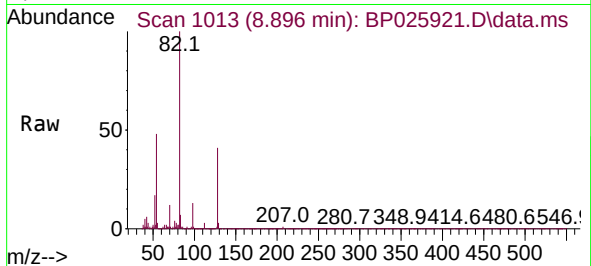




#23
 Nitrobenzene-d5
 Concen: 8.531 ng
 RT: 8.896 min Scan# 1014
 Delta R.T. -0.006 min
 Lab File: BP025921.D
 Acq: 03 Oct 2025 19:46

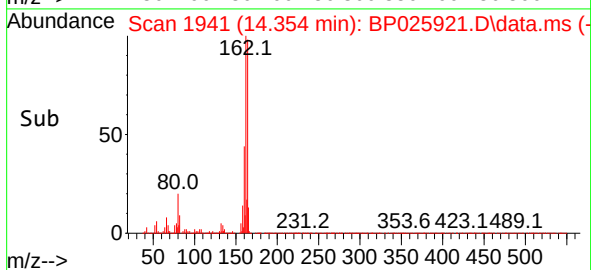
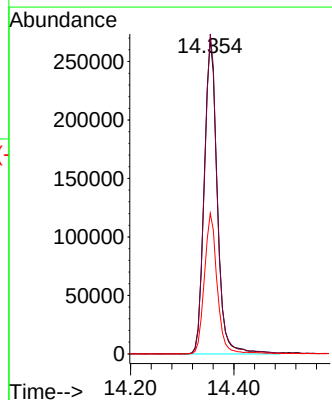
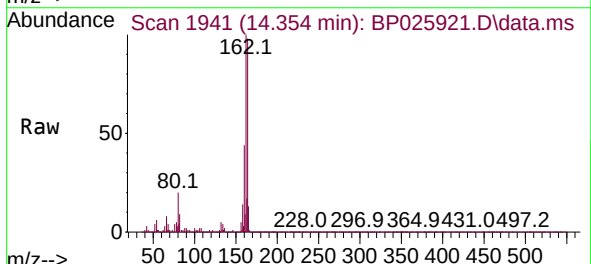
Instrument :
 BNA_P
 ClientSampleId :
 72-11929

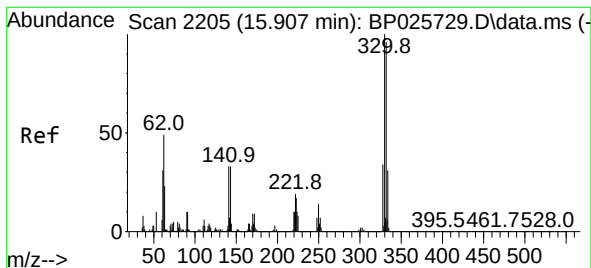
Tgt Ion: 82 Resp: 141060
 Ion Ratio Lower Upper
 82 100
 128 41.4 32.9 49.3
 54 48.3 43.4 65.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.354 min Scan# 1941
 Delta R.T. -0.024 min
 Lab File: BP025921.D
 Acq: 03 Oct 2025 19:46

Tgt Ion:164 Resp: 473042
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.6 120.8
 160 44.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 15.819 ng

RT: 15.872 min Scan# 21

Delta R.T. -0.035 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929

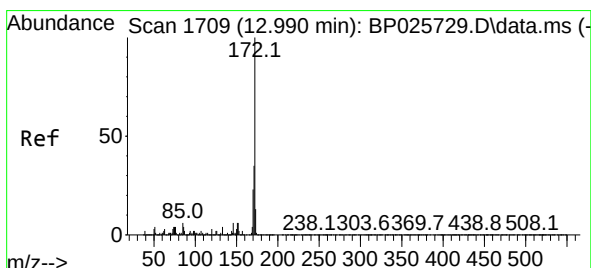
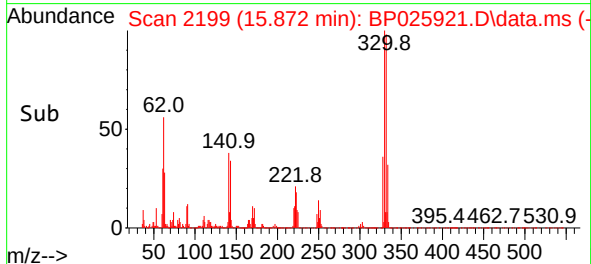
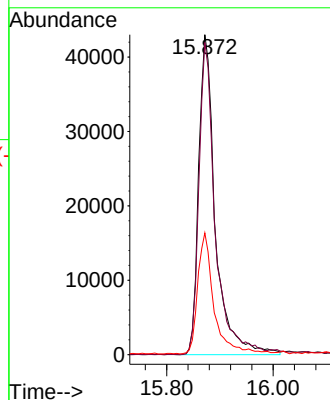
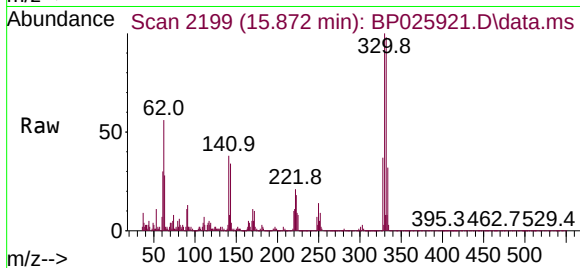
Tgt Ion:330 Resp: 93337

Ion Ratio Lower Upper

330 100

332 95.1 76.9 115.3

141 36.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 9.838 ng

RT: 12.966 min Scan# 1705

Delta R.T. -0.024 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

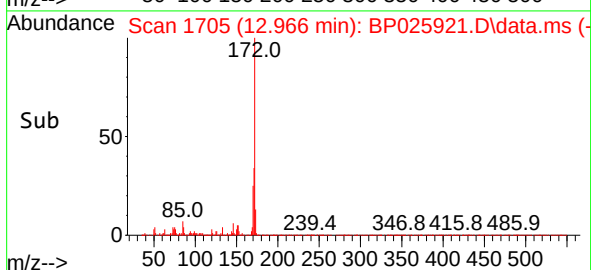
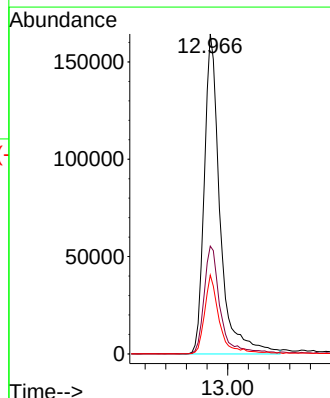
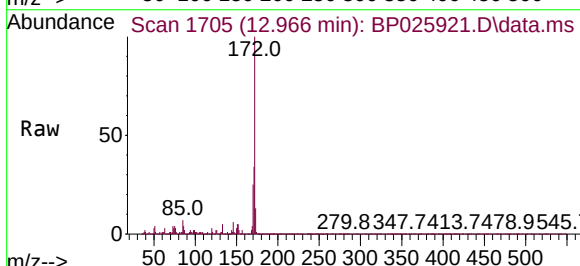
Tgt Ion:172 Resp: 349519

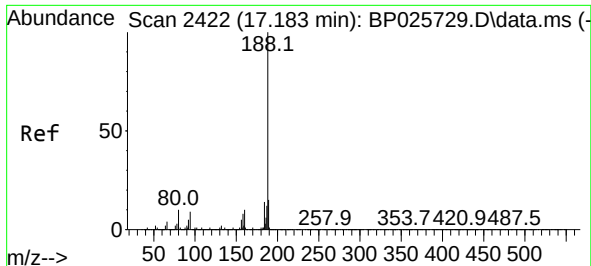
Ion Ratio Lower Upper

172 100

171 33.7 27.8 41.6

170 24.6 18.6 27.8

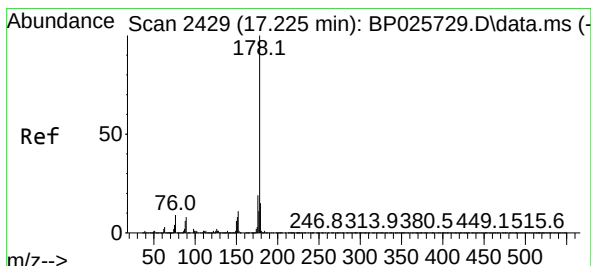
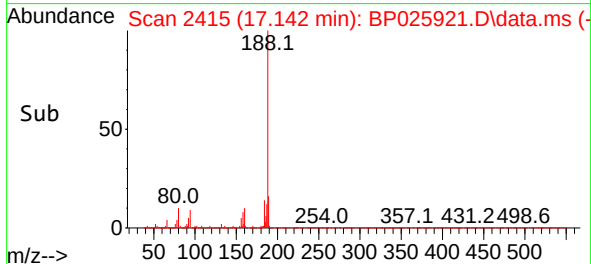
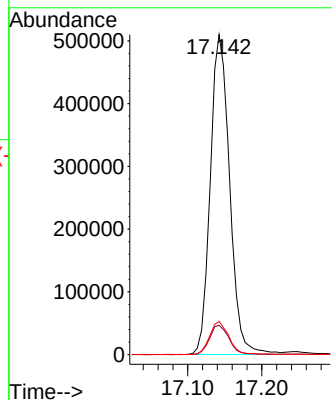
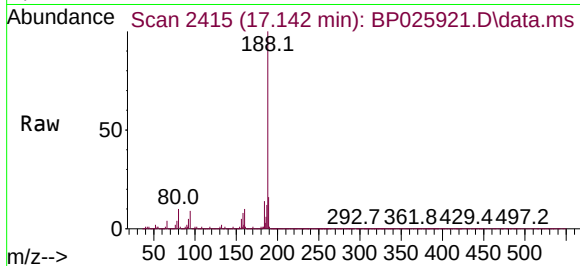




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 24
Delta R.T. -0.041 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

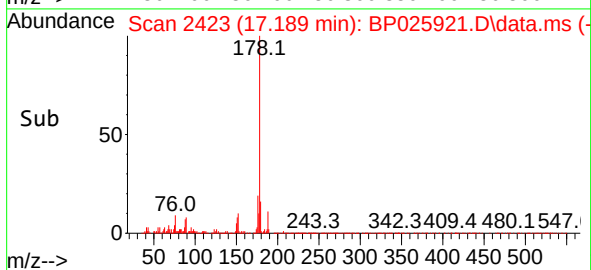
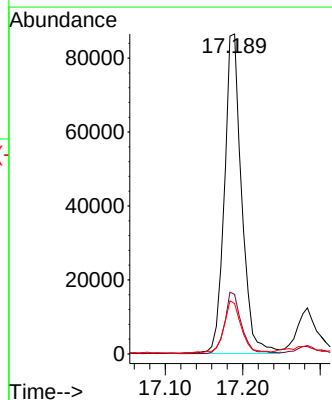
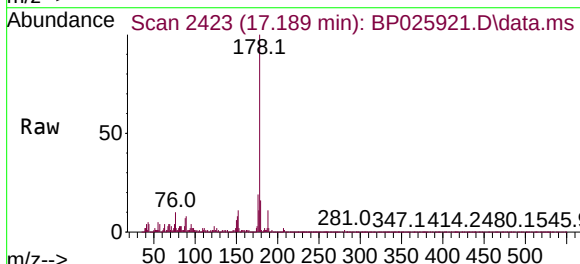
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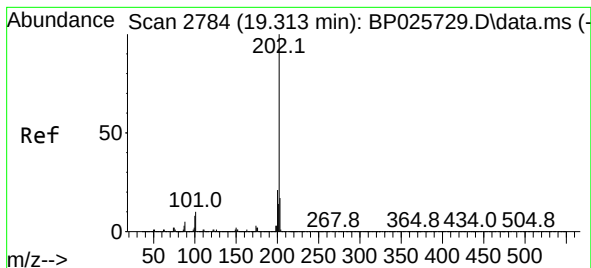
Tgt Ion:188 Resp: 924648
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.0
80 10.4 7.7 11.5



#71
Phenanthrene
Concen: 2.550 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.035 min
Lab File: BP025921.D
Acq: 03 Oct 2025 19:46

Tgt Ion:178 Resp: 133732
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.7 12.2 18.4





#75

Fluoranthene

Concen: 5.862 ng

RT: 19.272 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929

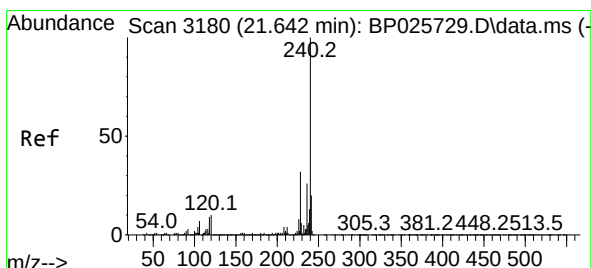
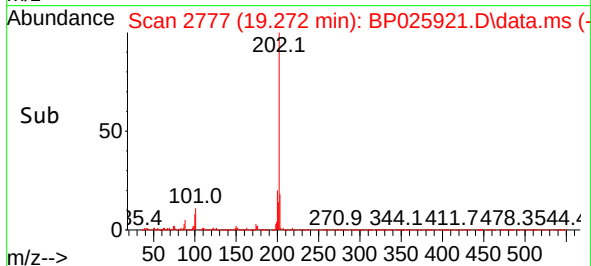
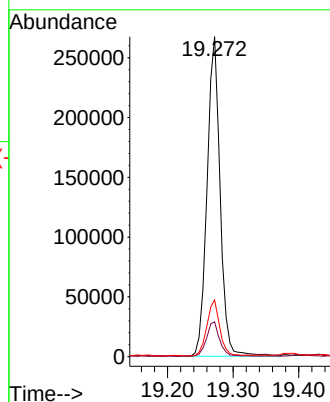
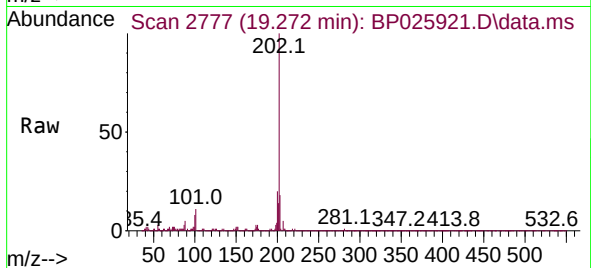
Tgt Ion:202 Resp: 368756

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.4

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3170

Delta R.T. -0.059 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

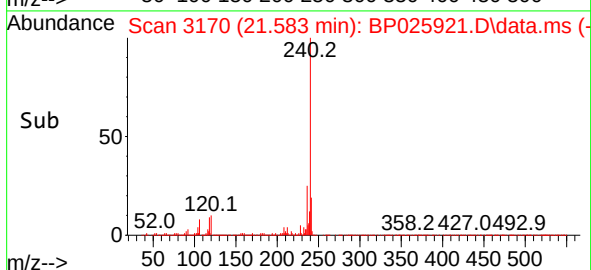
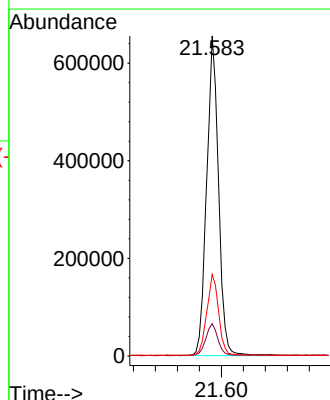
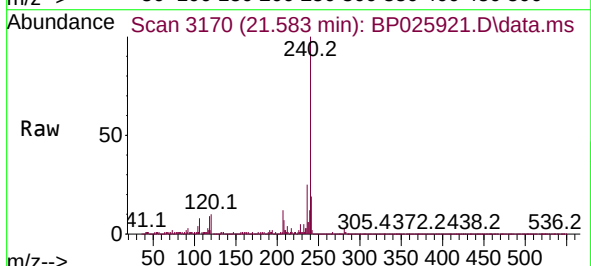
Tgt Ion:240 Resp: 981875

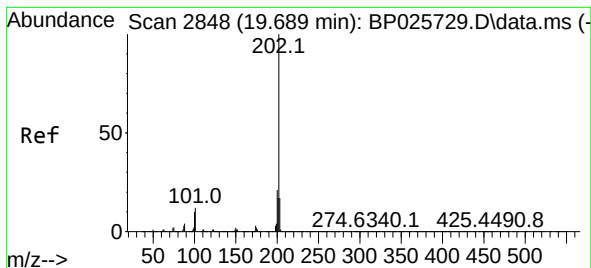
Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 25.5 20.7 31.1





#78

Pyrene

Concen: 4.711 ng

RT: 19.648 min Scan# 2841

Delta R.T. -0.041 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

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72-11929

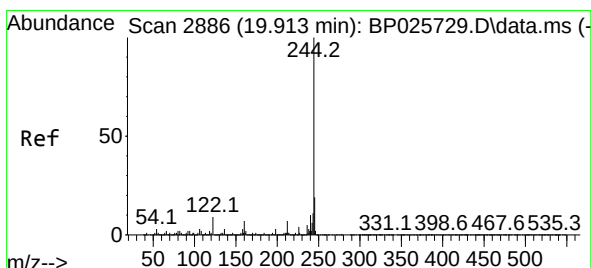
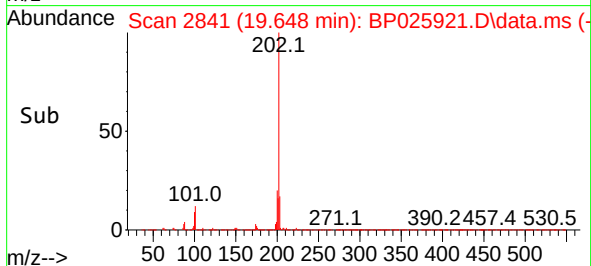
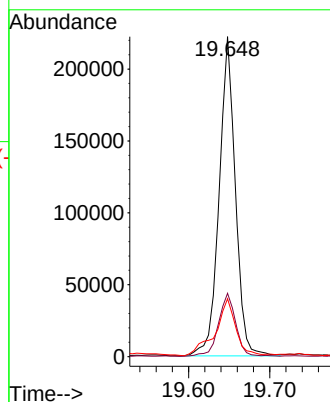
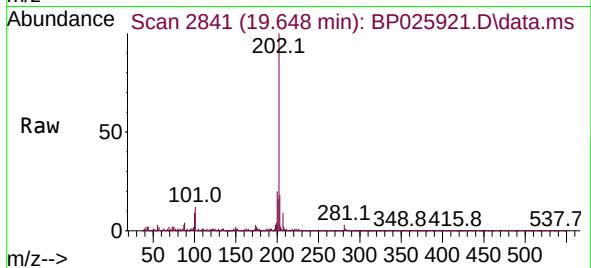
Tgt Ion:202 Resp: 308624

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 10.692 ng

RT: 19.860 min Scan# 2877

Delta R.T. -0.053 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

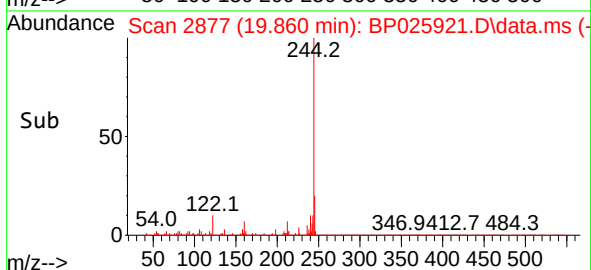
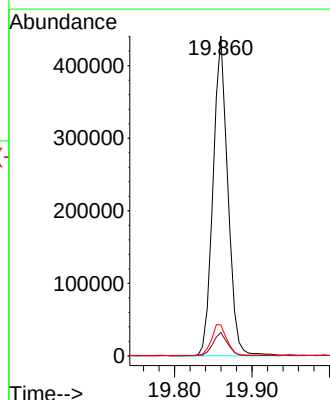
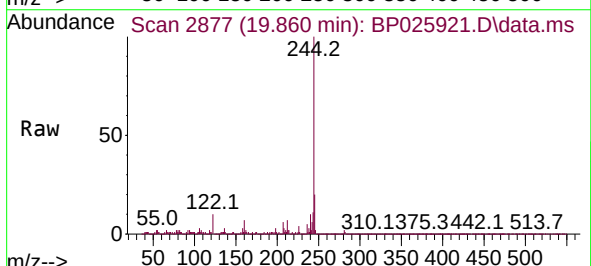
Tgt Ion:244 Resp: 583558

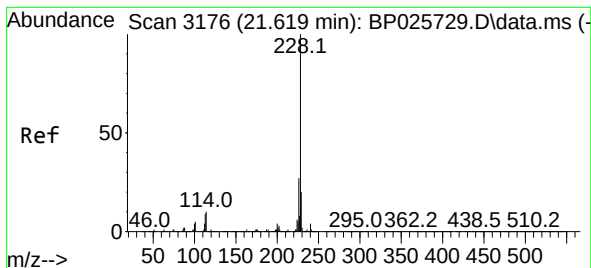
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.7 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.542 ng

RT: 21.566 min Scan# 3176

Delta R.T. -0.053 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929

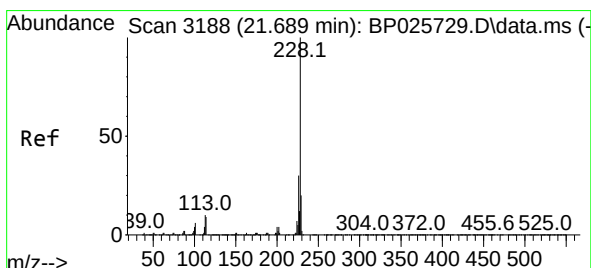
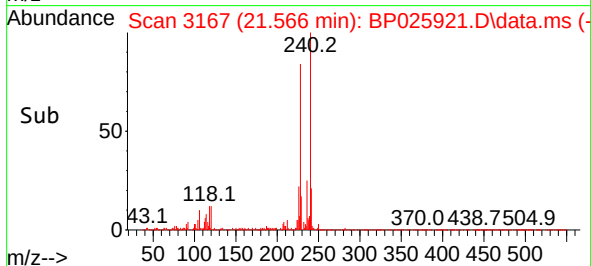
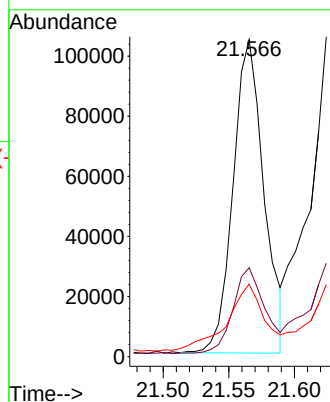
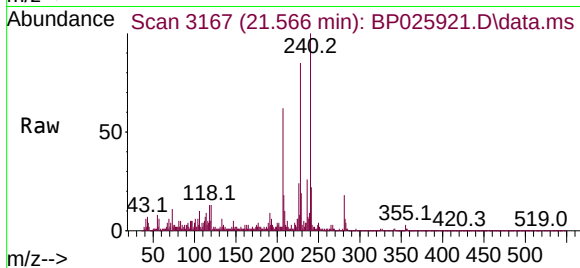
Tgt Ion:228 Resp: 170893

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 22.8 15.7 23.5



#83

Chrysene

Concen: 3.699 ng

RT: 21.630 min Scan# 3178

Delta R.T. -0.059 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

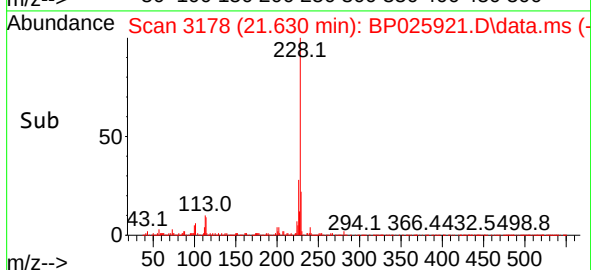
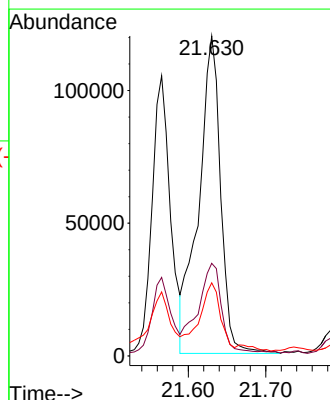
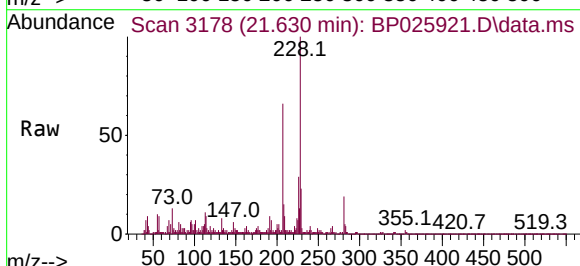
Tgt Ion:228 Resp: 237053

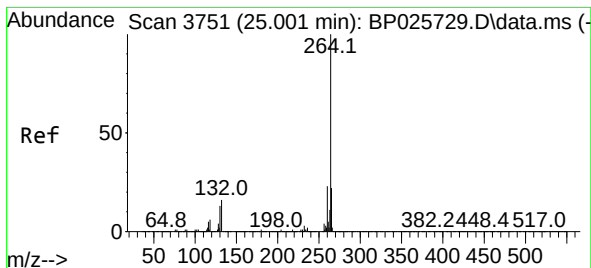
Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.6

229 22.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.924 min Scan# 31

Delta R.T. -0.077 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929

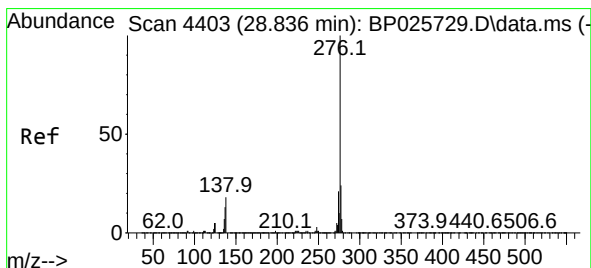
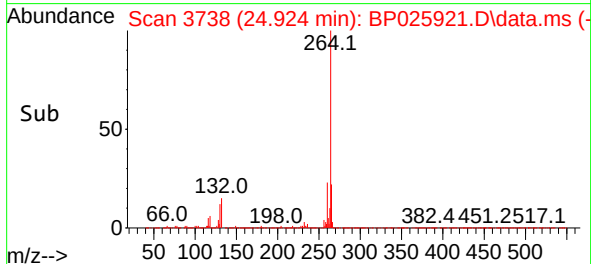
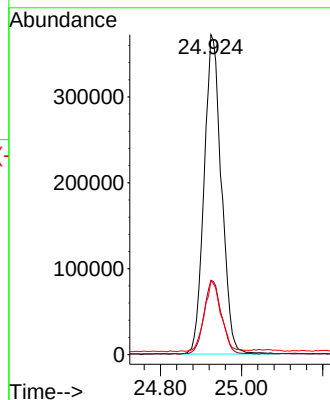
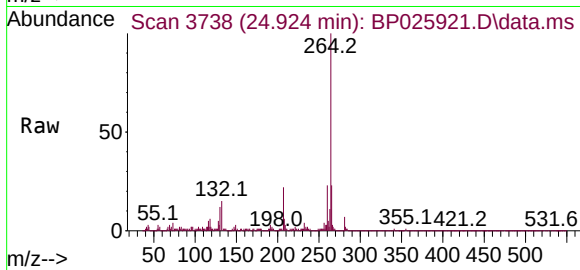
Tgt Ion:264 Resp: 1104419

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 23.0 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.230 ng

RT: 28.742 min Scan# 4387

Delta R.T. -0.094 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

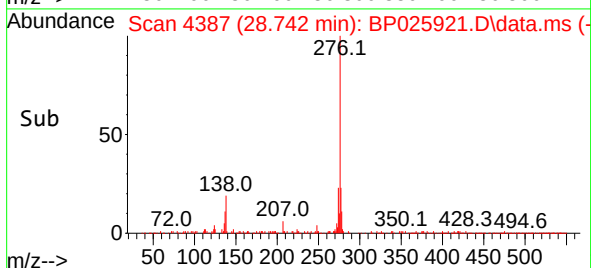
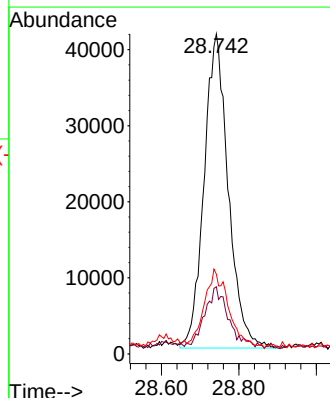
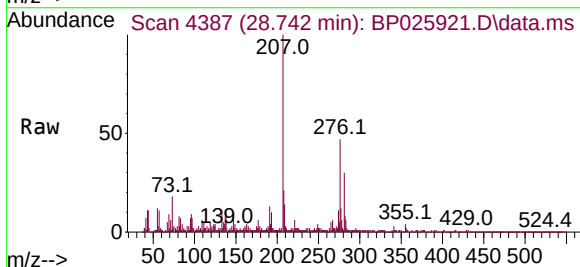
Tgt Ion:276 Resp: 179139

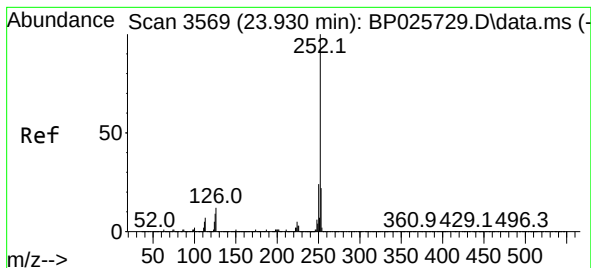
Ion Ratio Lower Upper

276 100

138 19.3 13.4 20.2

277 25.7 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 5.194 ng

RT: 23.877 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929

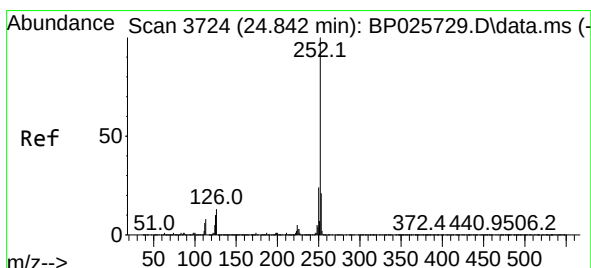
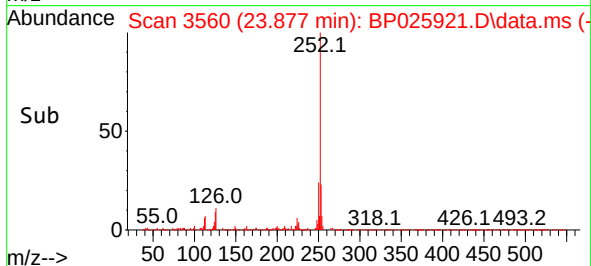
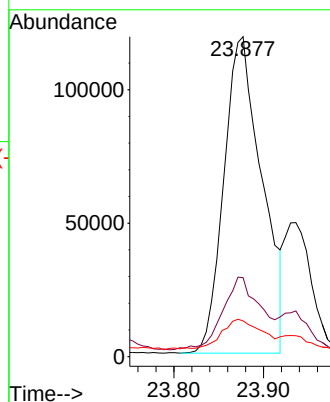
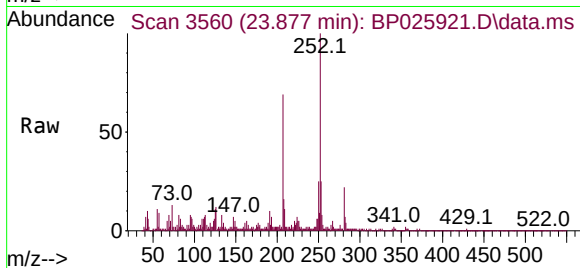
Tgt Ion:252 Resp: 350759

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 11.2 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 2.946 ng

RT: 24.765 min Scan# 3711

Delta R.T. -0.077 min

Lab File: BP025921.D

Acq: 03 Oct 2025 19:46

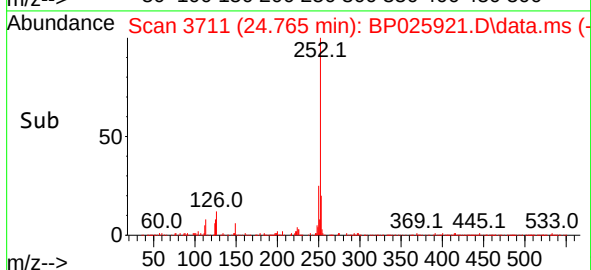
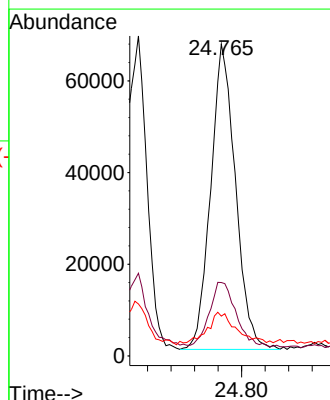
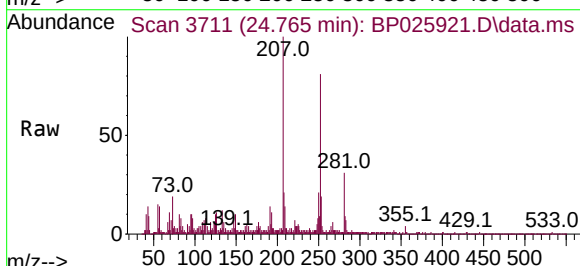
Tgt Ion:252 Resp: 194841

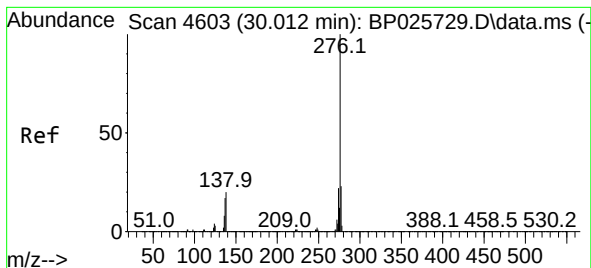
Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 12.8 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 2.773 ng

RT: 29.918 min Scan# 4587

Delta R.T. -0.094 min

Lab File: BP025921.D

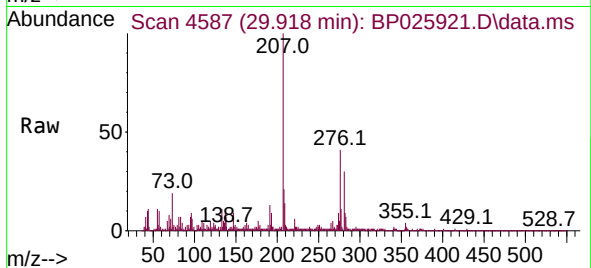
Acq: 03 Oct 2025 19:46

Instrument :

BNA_P

ClientSampleId :

72-11929



Tgt Ion:276 Resp: 179233

Ion Ratio Lower Upper

276 100

277 27.5 18.7 28.1

138 22.7 16.0 24.0

