

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
 Data File : BP025951.D
 Acq On : 07 Oct 2025 20:43
 Operator : RC/JU
 Sample : Q3296-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-10062025

Quant Time: Oct 08 01:23:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 19:16:54 2025
 Response via : Initial Calibration

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

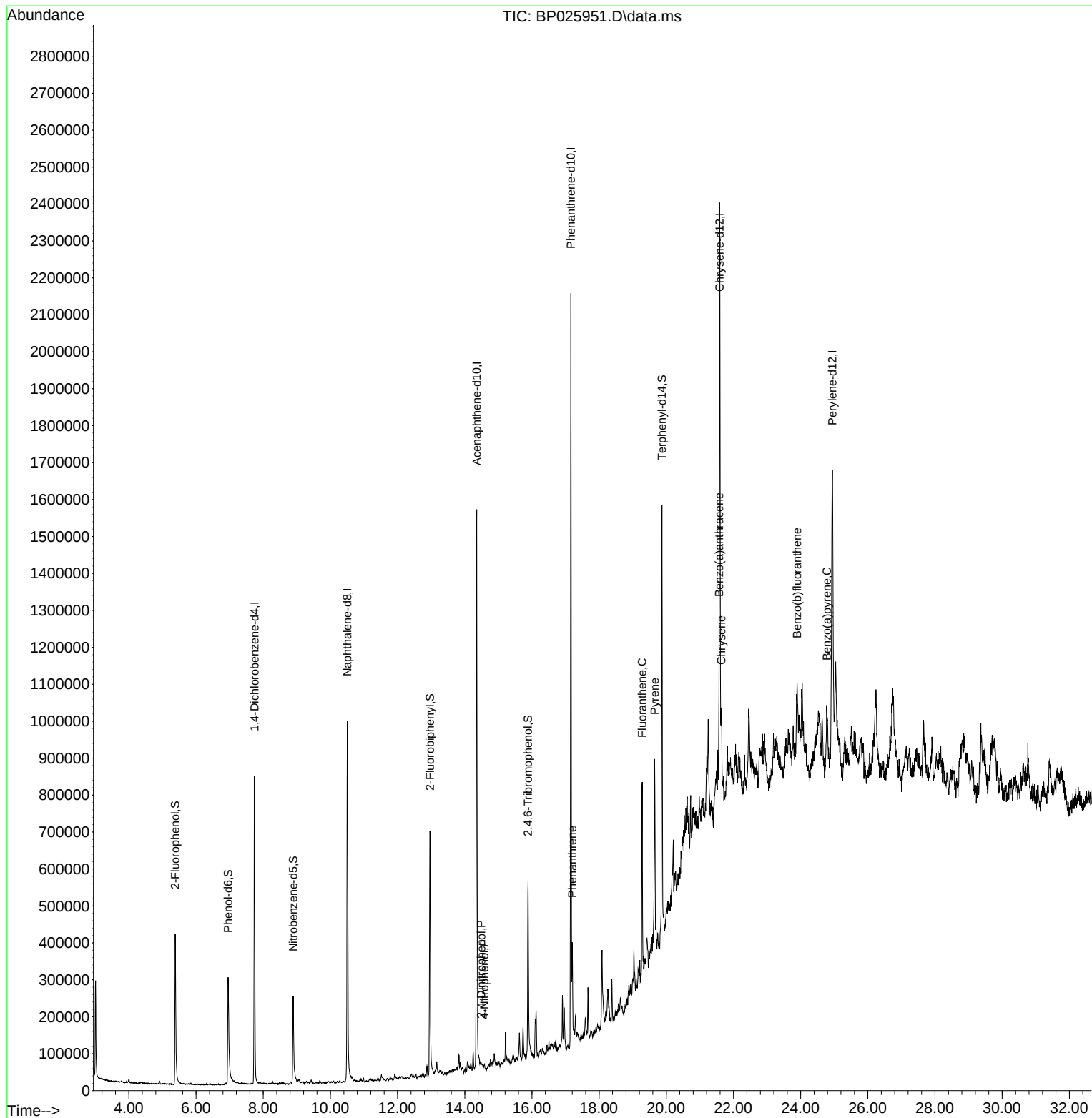
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.737	152	232432	20.000	ng	-0.02
21) Naphthalene-d8	10.501	136	954563	20.000	ng	-0.02
39) Acenaphthene-d10	14.354	164	650883	20.000	ng	-0.02
64) Phenanthrene-d10	17.160	188	1188994	20.000	ng	-0.02
76) Chrysene-d12	21.589	240	894225	20.000	ng	-0.05
86) Perylene-d12	24.942	264	989762	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	230951	16.033	ng	0.00
7) Phenol-d6	6.955	99	280665	14.659	ng	0.00
23) Nitrobenzene-d5	8.890	82	185713	8.582	ng	-0.01
42) 2,4,6-Tribromophenol	15.884	330	127418	15.695	ng	-0.02
45) 2-Fluorobiphenyl	12.966	172	465769	9.528	ng	-0.02
79) Terphenyl-d14	19.872	244	617298	12.419	ng	-0.04
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.489	184	10	4.826	ng	# 1
56) 4-Nitrophenol	14.584	139	189	4.501	ng	# 1
71) Phenanthrene	17.201	178	150868	2.237	ng	99
75) Fluoranthene	19.283	202	306548	3.790	ng	99
78) Pyrene	19.654	202	305358	5.118	ng	98
81) Benzo(a)anthracene	21.571	228	159601	2.607	ng	95
83) Chrysene	21.636	228	166981	2.861	ng	97
88) Benzo(b)fluoranthene	23.895	252	210227	3.473	ng	# 89
90) Benzo(a)pyrene	24.777	252	152005	2.564	ng	# 86

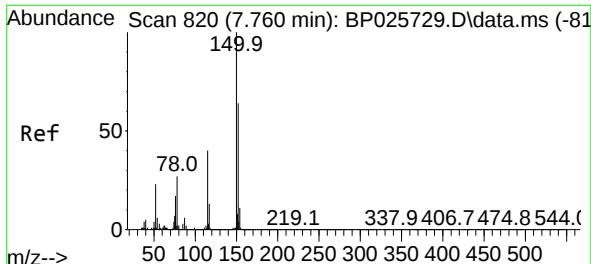
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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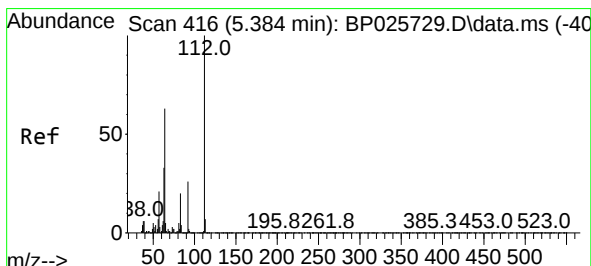
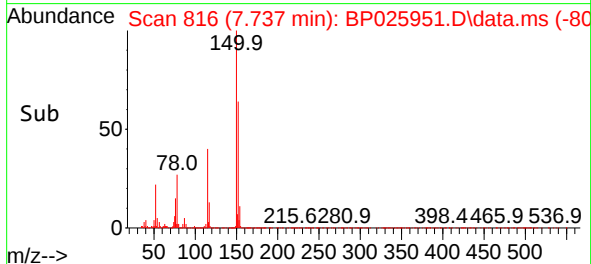
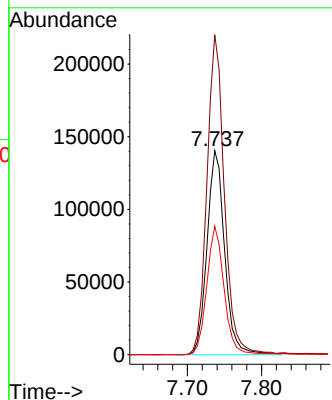
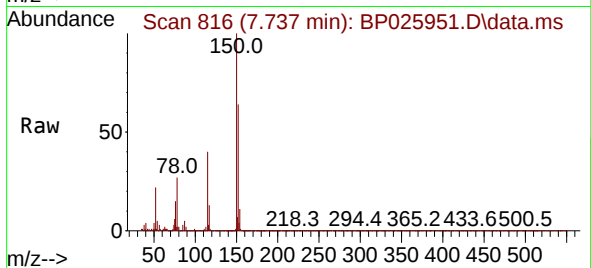




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.737 min Scan# 81
 Delta R.T. -0.023 min
 Lab File: BP025951.D
 Acq: 07 Oct 2025 20:43

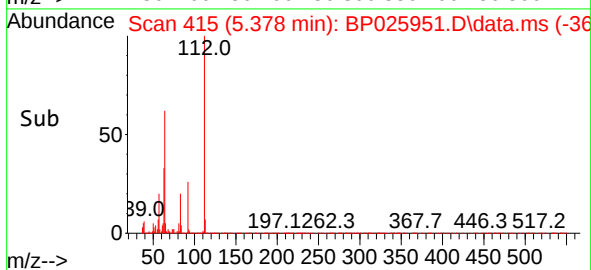
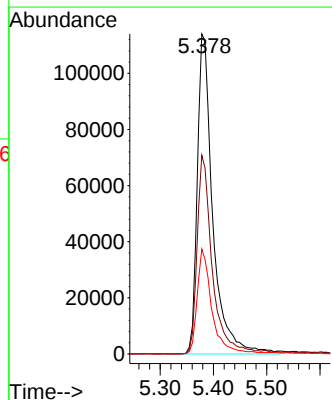
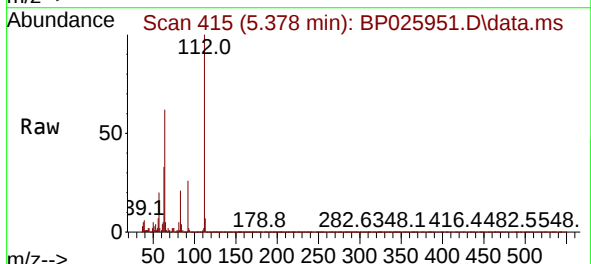
Instrument :
 BNA_P
 ClientSampleId :
 SU-04-10062025

Tgt Ion:152 Resp: 232432
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.3 186.5
 115 63.0 50.3 75.5



#5
 2-Fluorophenol
 Concen: 16.033 ng
 RT: 5.378 min Scan# 415
 Delta R.T. -0.006 min
 Lab File: BP025951.D
 Acq: 07 Oct 2025 20:43

Tgt Ion:112 Resp: 230951
 Ion Ratio Lower Upper
 112 100
 64 62.1 50.2 75.4
 63 32.8 26.7 40.1

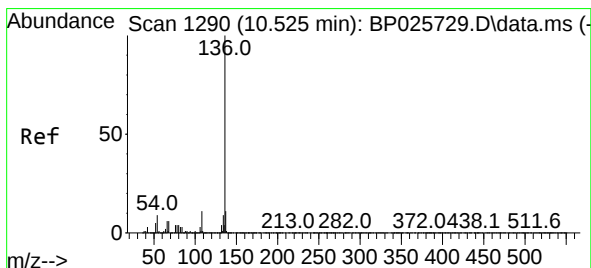
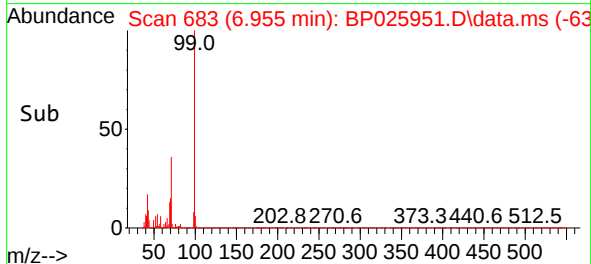
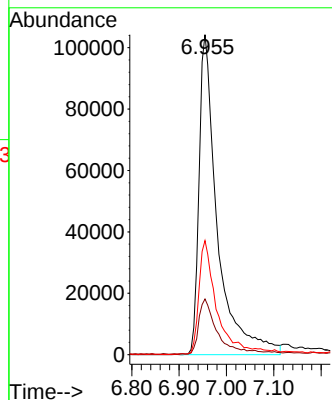
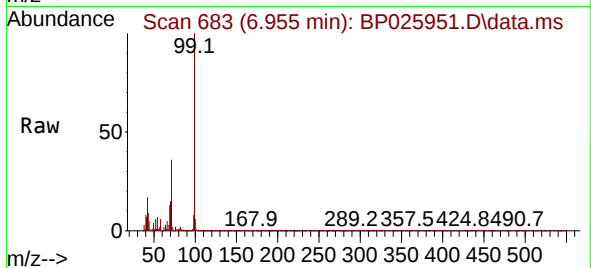




#7
Phenol-d6
Concen: 14.659 ng
RT: 6.955 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

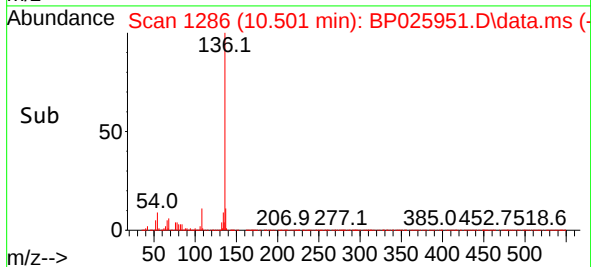
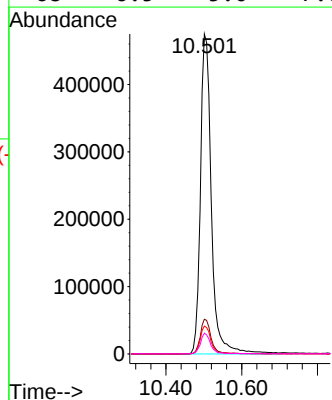
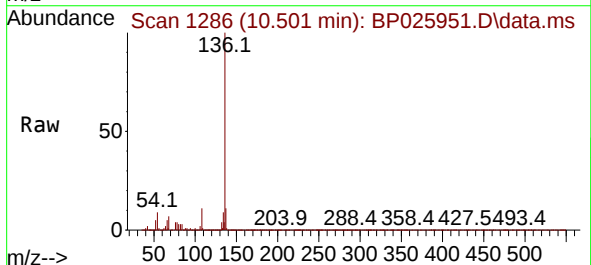
Instrument :
BNA_P
ClientSampleId :
SU-04-10062025

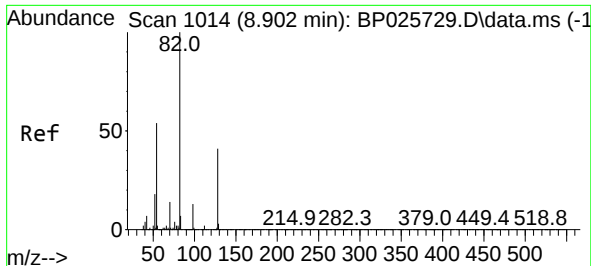
Tgt Ion: 99 Resp: 280665
Ion Ratio Lower Upper
99 100
42 17.4 15.6 23.4
71 35.6 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.501 min Scan# 1286
Delta R.T. -0.024 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

Tgt Ion:136 Resp: 954563
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.7 7.5 11.3
68 6.5 5.0 7.6

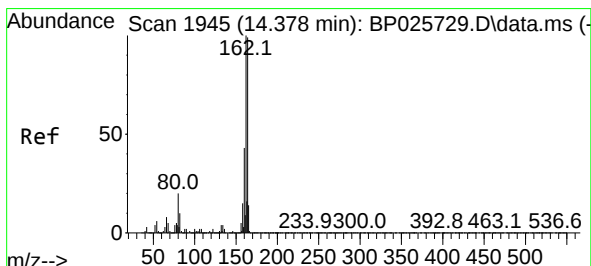
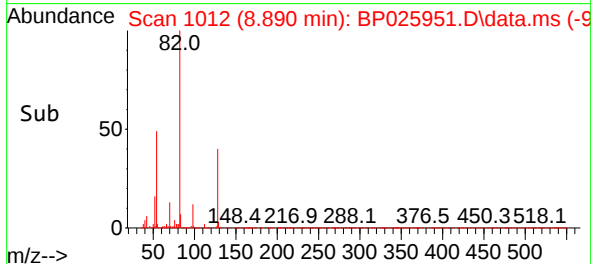
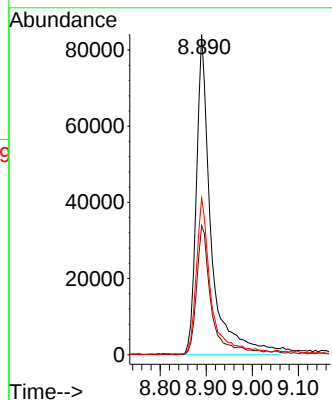
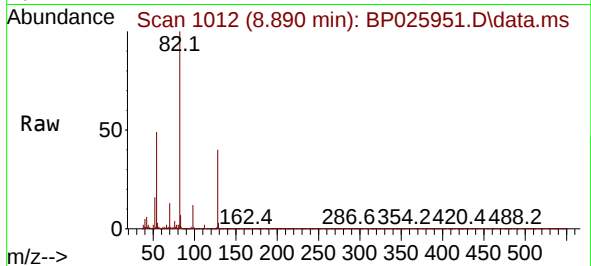




#23
Nitrobenzene-d5
Concen: 8.582 ng
RT: 8.890 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

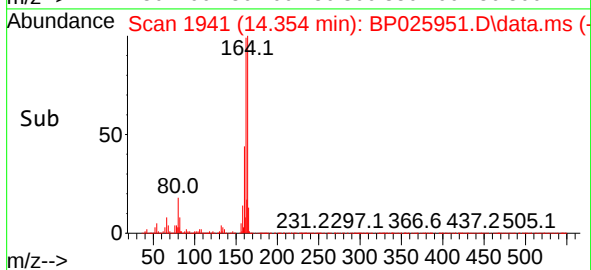
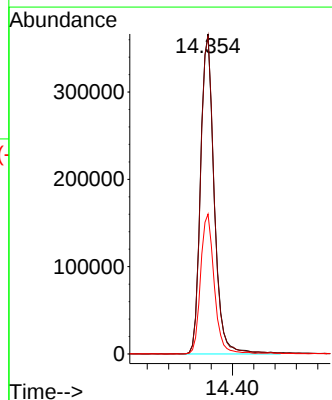
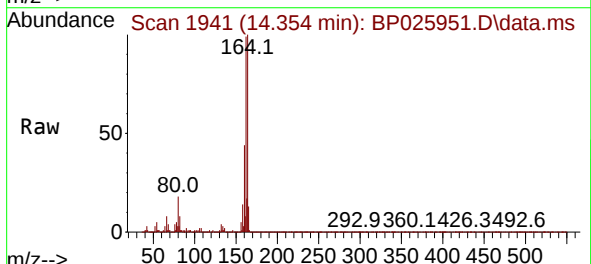
Instrument :
BNA_P
ClientSampleId :
SU-04-10062025

Tgt Ion: 82 Resp: 185713
Ion Ratio Lower Upper
82 100
128 40.3 32.9 49.3
54 49.0 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: BP025951.D
Acq: 07 Oct 2025 20:43

Tgt Ion: 164 Resp: 650883
Ion Ratio Lower Upper
164 100
162 99.3 80.6 120.8
160 43.7 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 15.695 ng

RT: 15.884 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

Instrument :

BNA_P

ClientSampleId :

SU-04-10062025

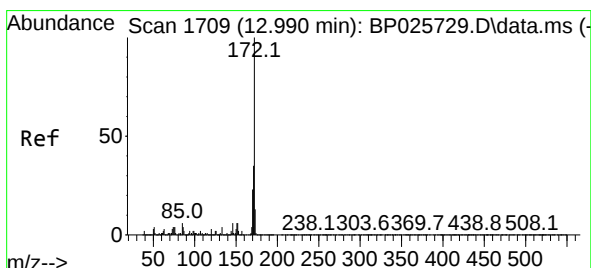
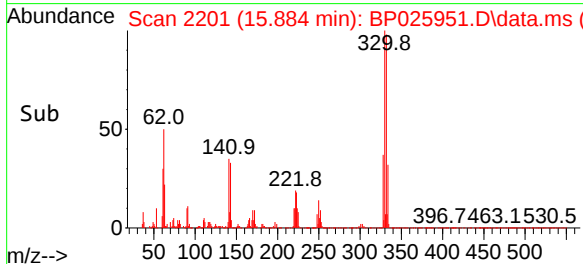
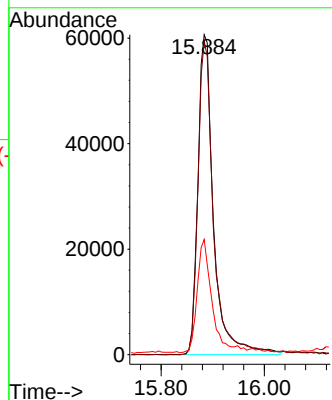
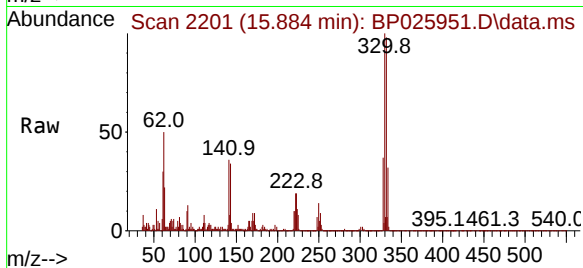
Tgt Ion:330 Resp: 127418

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 33.6 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 9.528 ng

RT: 12.966 min Scan# 1705

Delta R.T. -0.024 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

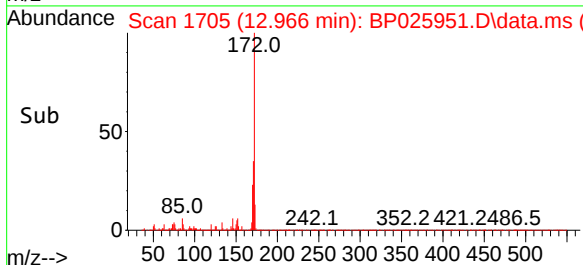
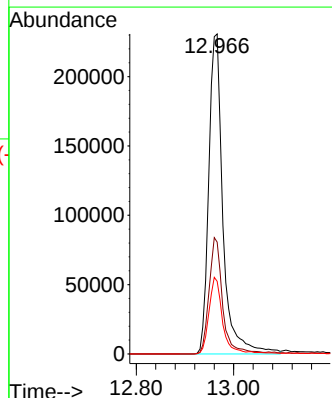
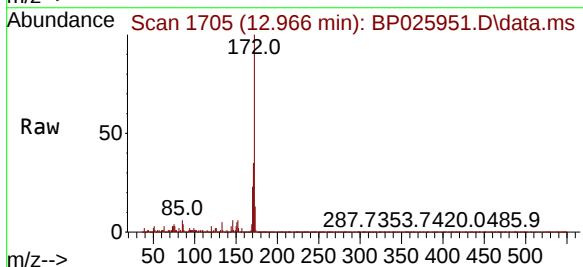
Tgt Ion:172 Resp: 465769

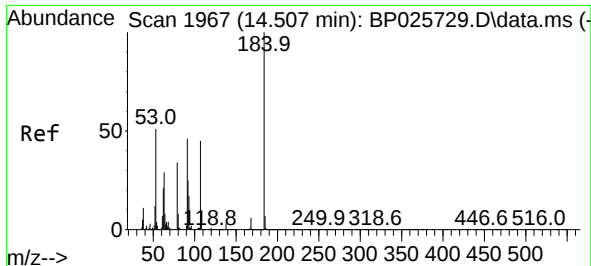
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 22.7 18.6 27.8

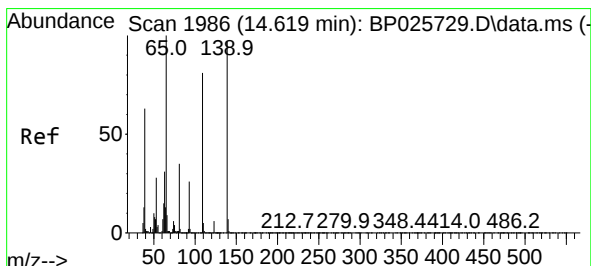
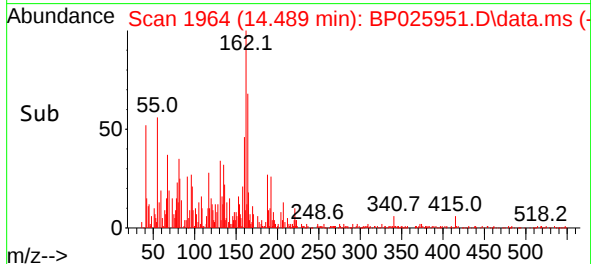
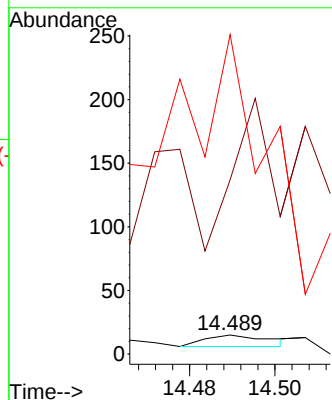
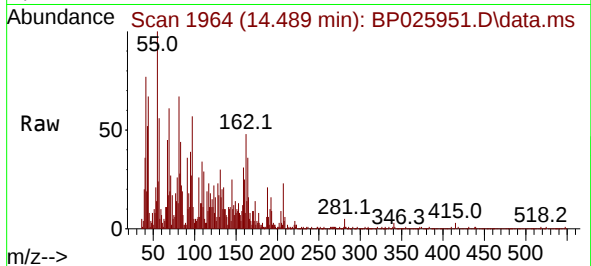




#54
2,4-Dinitrophenol
Concen: 4.826 ng
RT: 14.489 min Scan# 1967
Delta R.T. -0.018 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

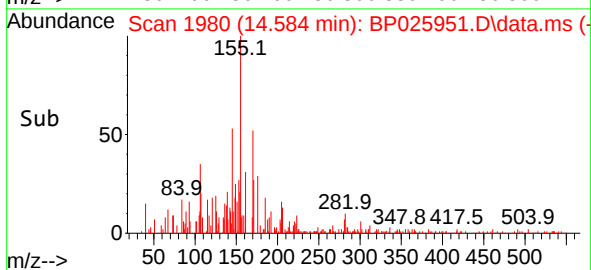
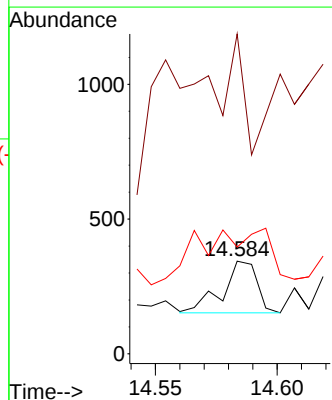
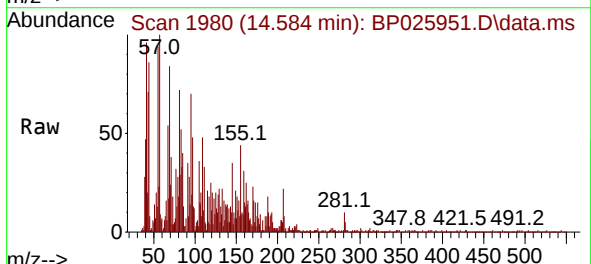
Instrument :
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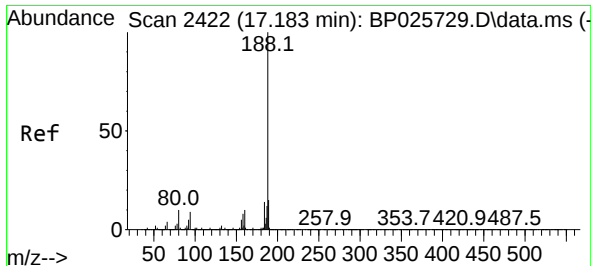
Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 360.5 52.5 78.7#
154 660.5 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.501 ng
RT: 14.584 min Scan# 1980
Delta R.T. -0.035 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

Tgt Ion:139 Resp: 189
Ion Ratio Lower Upper
139 100
109 345.1 62.9 102.9#
65 115.1 83.4 123.4

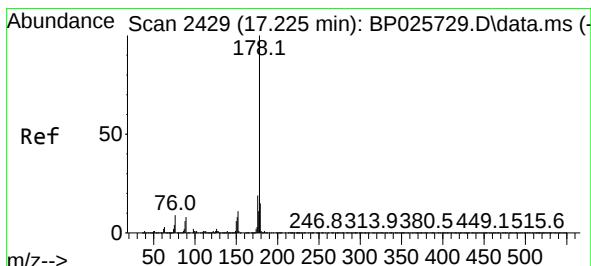
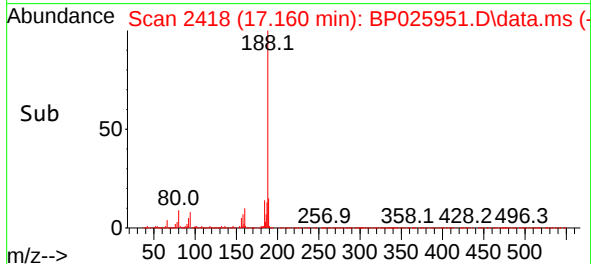
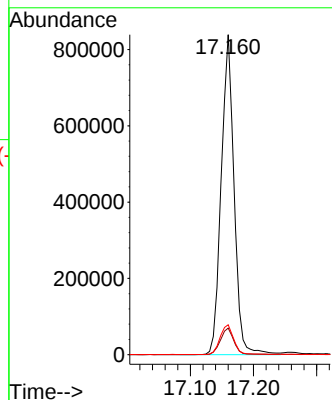
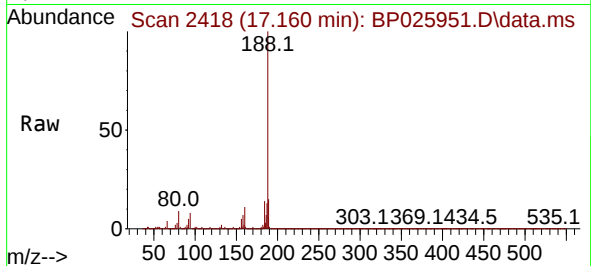




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.160 min Scan# 2418
Delta R.T. -0.024 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

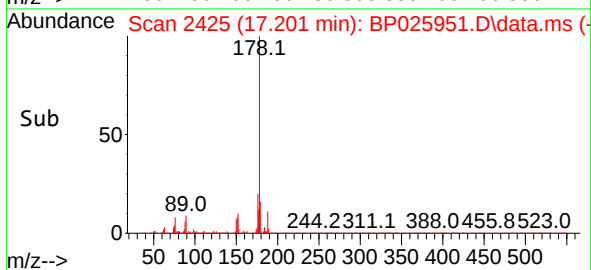
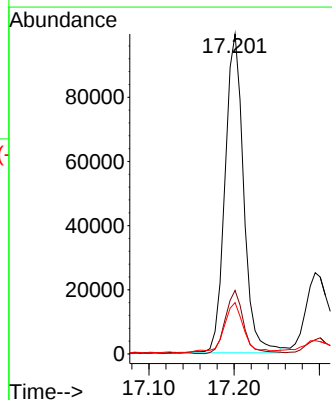
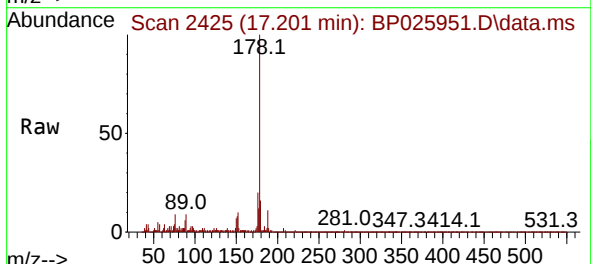
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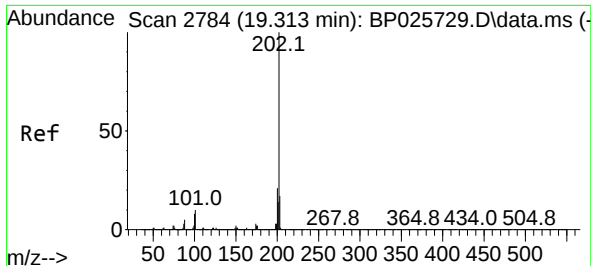
Tgt Ion:188 Resp: 1188994
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.0
80 9.3 7.7 11.5



#71
Phenanthrene
Concen: 2.237 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

Tgt Ion:178 Resp: 150868
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 16.0 12.2 18.4

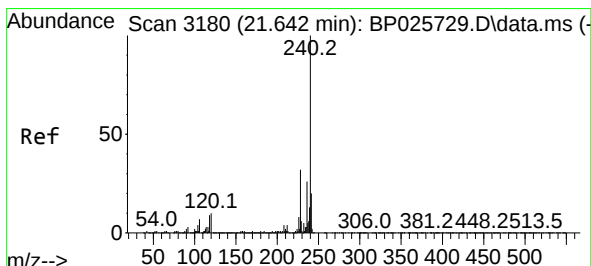
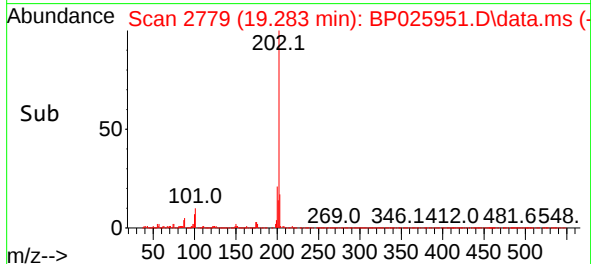
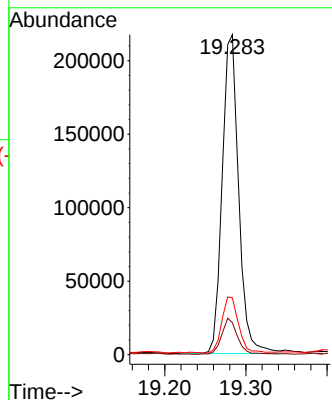
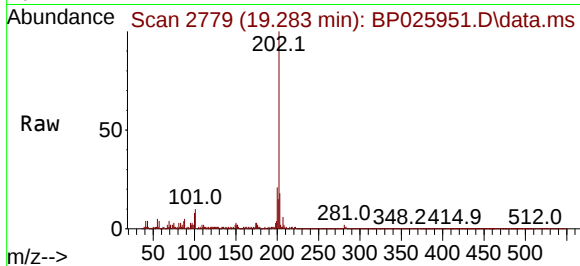




#75
Fluoranthene
Concen: 3.790 ng
RT: 19.283 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

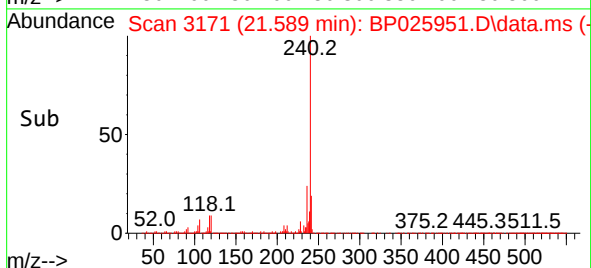
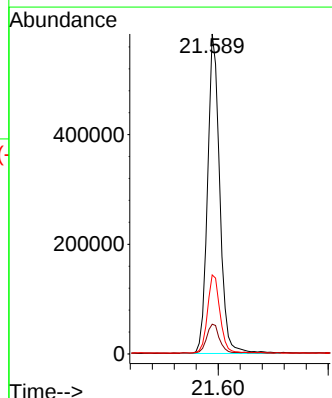
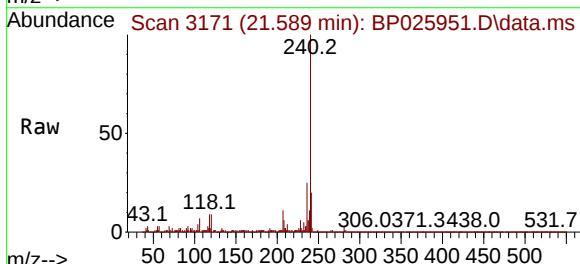
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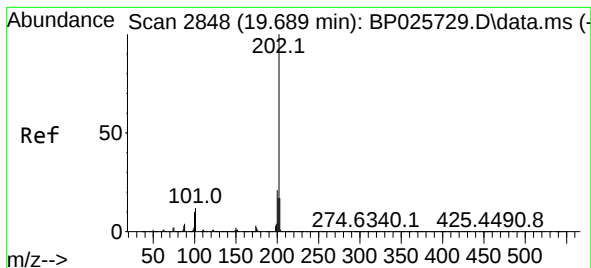
Tgt Ion:202 Resp: 306548
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. -0.053 min
Lab File: BP025951.D
Acq: 07 Oct 2025 20:43

Tgt Ion:240 Resp: 894225
Ion Ratio Lower Upper
240 100
120 9.3 8.0 12.0
236 24.7 20.7 31.1





#78

Pyrene

Concen: 5.118 ng

RT: 19.654 min Scan# 2842

Delta R.T. -0.035 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

Instrument :

BNA_P

ClientSampleId :

SU-04-10062025

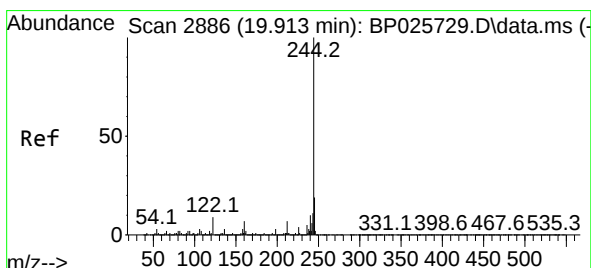
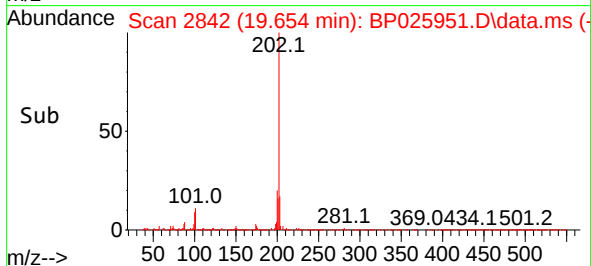
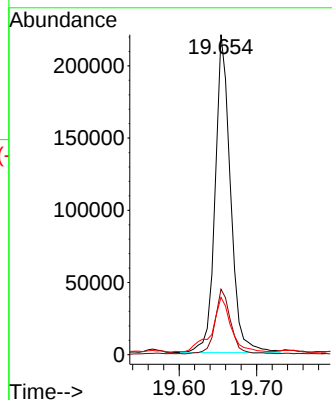
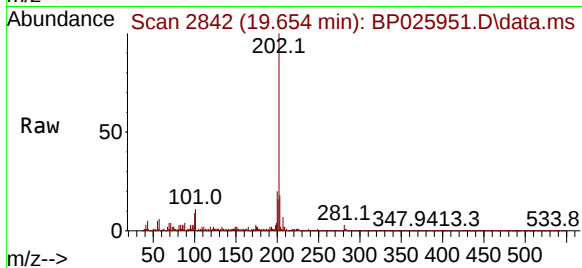
Tgt Ion:202 Resp: 305358

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 17.9 13.9 20.9



#79

Terphenyl-d14

Concen: 12.419 ng

RT: 19.872 min Scan# 2879

Delta R.T. -0.041 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

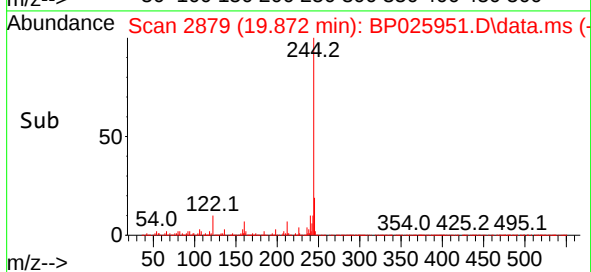
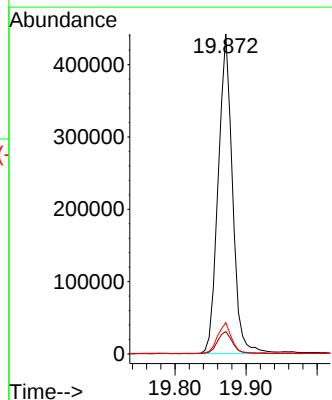
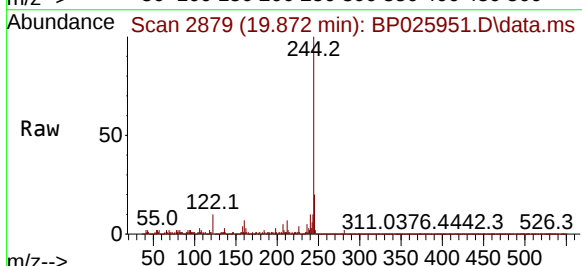
Tgt Ion:244 Resp: 617298

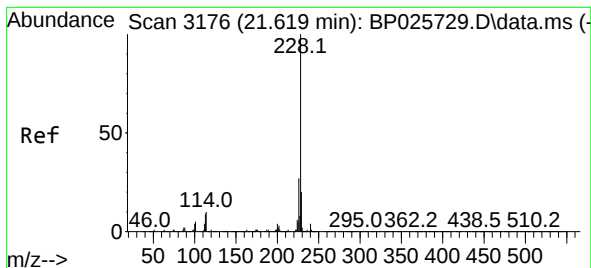
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 9.8 7.1 10.7





#81

Benzo(a)anthracene

Concen: 2.607 ng

RT: 21.571 min Scan# 3176

Delta R.T. -0.047 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

Instrument :

BNA_P

ClientSampleId :

SU-04-10062025

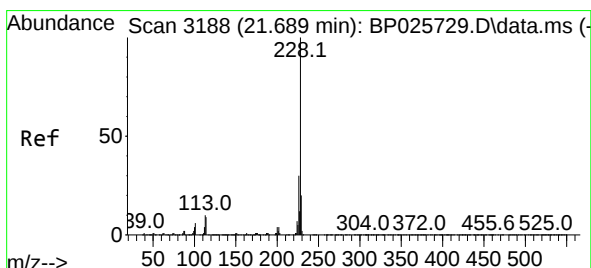
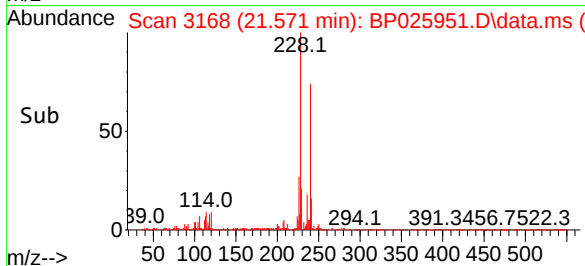
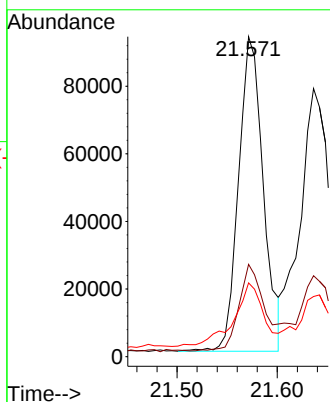
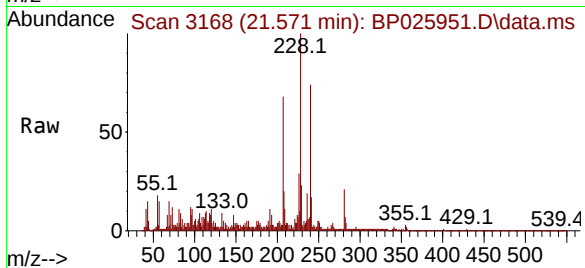
Tgt Ion:228 Resp: 159601

Ion Ratio Lower Upper

228 100

226 28.9 21.6 32.4

229 23.0 15.7 23.5



#83

Chrysene

Concen: 2.861 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.053 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

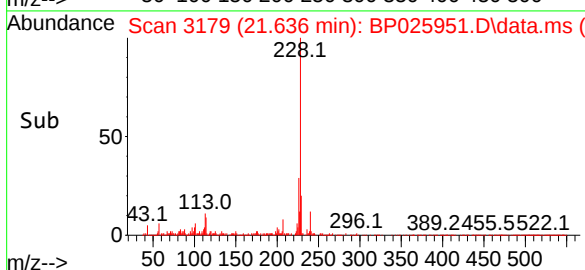
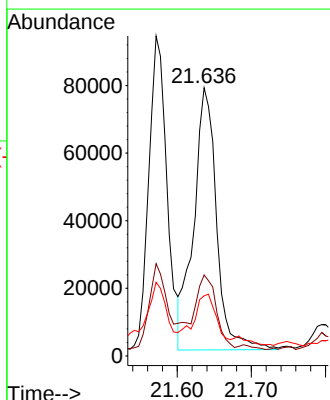
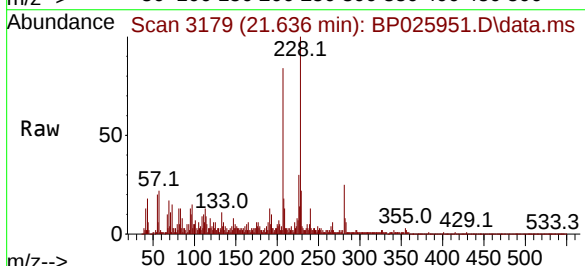
Tgt Ion:228 Resp: 166981

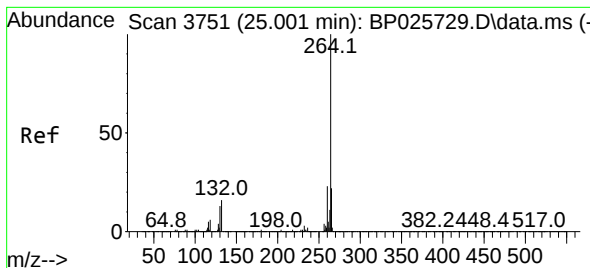
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.942 min Scan# 31

Delta R.T. -0.059 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

Instrument :

BNA_P

ClientSampleId :

SU-04-10062025

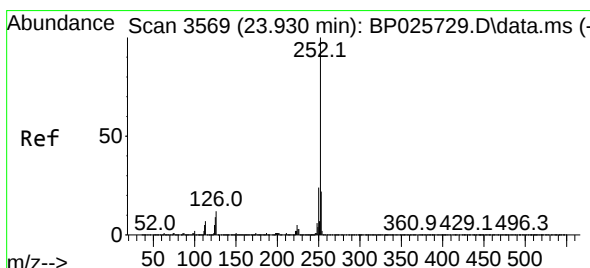
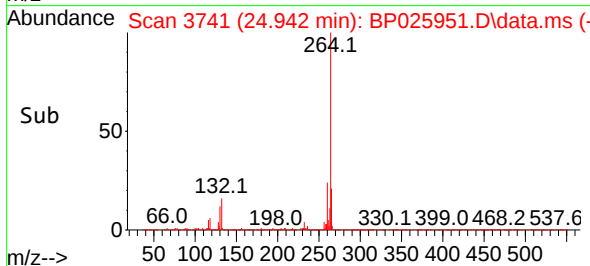
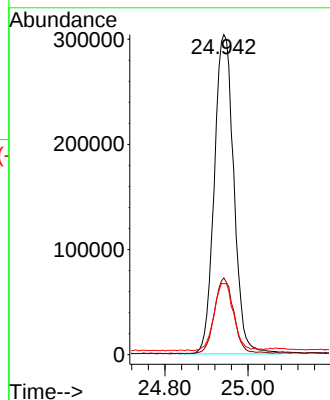
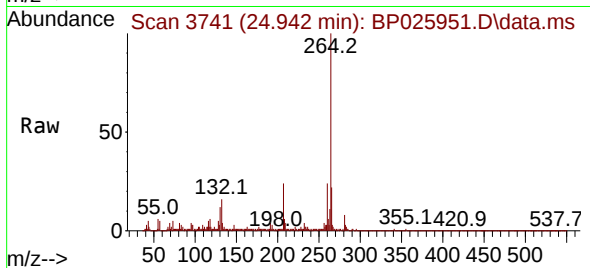
Tgt Ion:264 Resp: 989762

Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.2 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.473 ng

RT: 23.895 min Scan# 3563

Delta R.T. -0.035 min

Lab File: BP025951.D

Acq: 07 Oct 2025 20:43

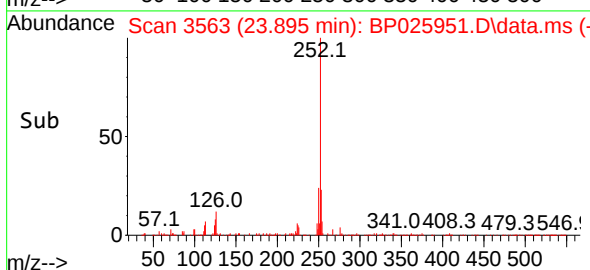
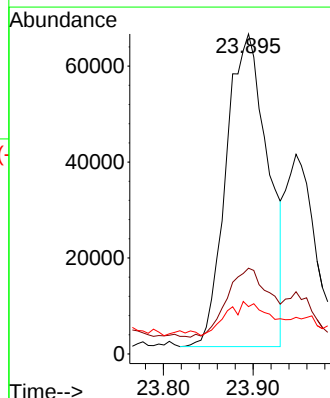
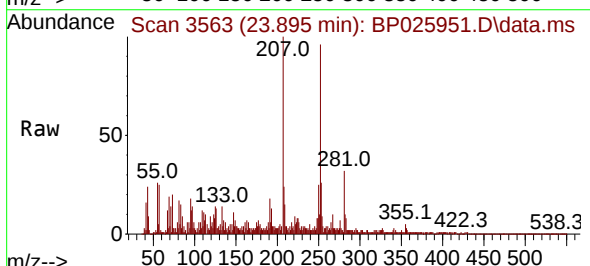
Tgt Ion:252 Resp: 210227

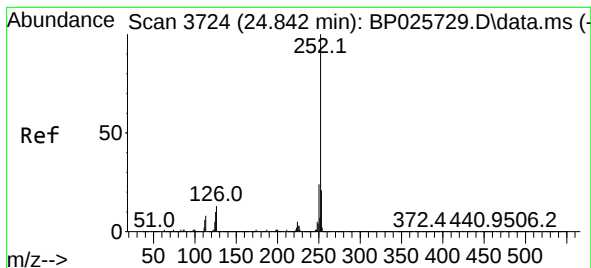
Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

125 14.8 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 2.564 ng

RT: 24.777 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP025951.D

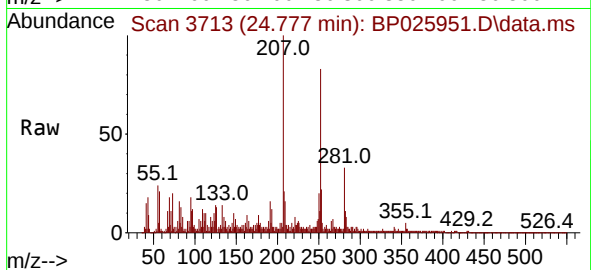
Acq: 07 Oct 2025 20:43

Instrument :

BNA_P

ClientSampleId :

SU-04-10062025



Tgt Ion:252 Resp: 152005

Ion Ratio Lower Upper

252 100

253 27.1 17.2 25.8#

125 17.0 8.3 12.5#

