

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092325\
 Data File : BP025838.D
 Acq On : 23 Sep 2025 20:45
 Operator : CG/JU
 Sample : Q3157-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20-DEAD-1

Quant Time: Sep 24 00:31:51 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)

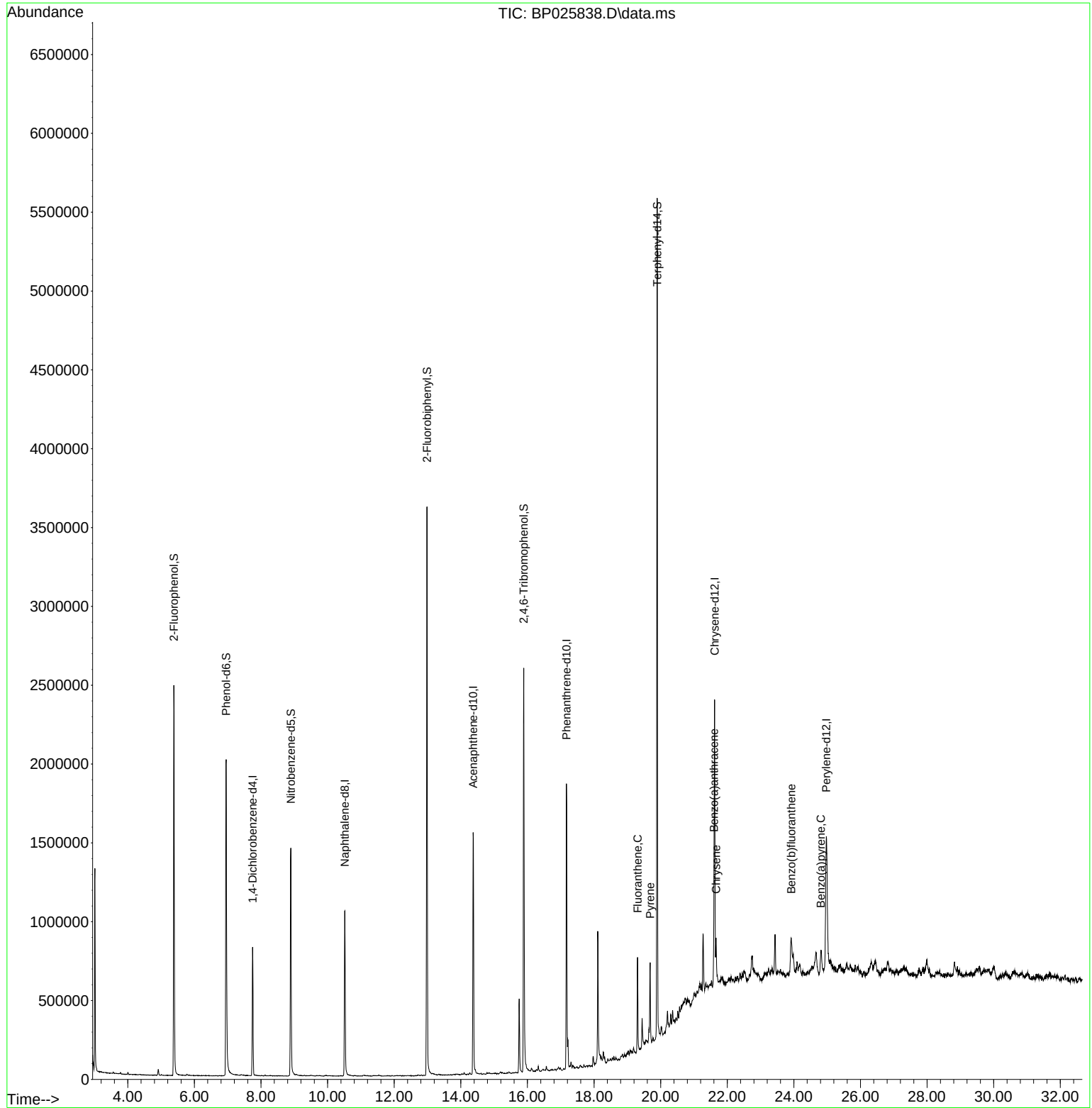
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.748	152	228660	20.000	ng	-0.01
21) Naphthalene-d8	10.519	136	922534	20.000	ng	0.00
39) Acenaphthene-d10	14.372	164	611338	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	1122180	20.000	ng	-0.01
76) Chrysene-d12	21.618	240	1028858	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1135781	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	1093905	77.192	ng	0.00
7) Phenol-d6	6.954	99	1397839	74.210	ng	0.00
23) Nitrobenzene-d5	8.895	82	903727	43.212	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	532528	69.838	ng	-0.02
45) 2-Fluorobiphenyl	12.983	172	2053119	44.717	ng	0.00
79) Terphenyl-d14	19.895	244	2736960	47.857	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.307	202	340363	4.458	ng	99
78) Pyrene	19.683	202	337151	4.911	ng	99
81) Benzo(a)anthracene	21.601	228	195299	2.773	ng	97
83) Chrysene	21.665	228	206180	3.071	ng	97
88) Benzo(b)fluoranthene	23.918	252	241279	3.474	ng	# 93
90) Benzo(a)pyrene	24.812	252	181097	2.663	ng	# 95

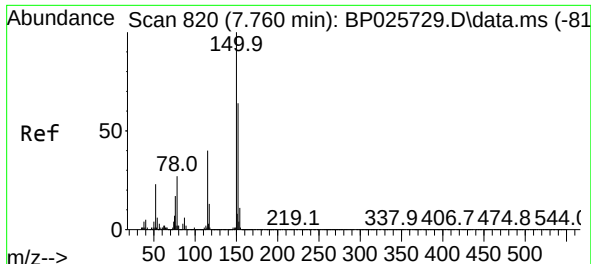
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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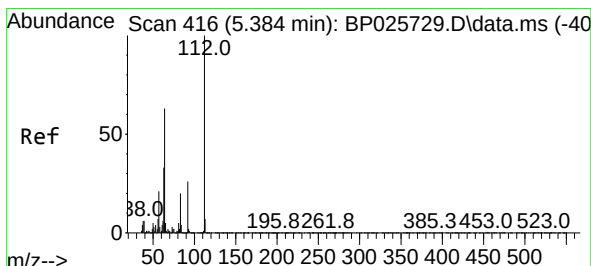
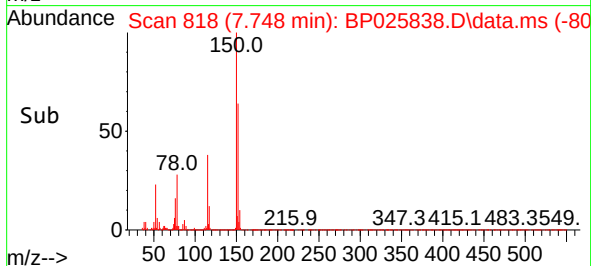
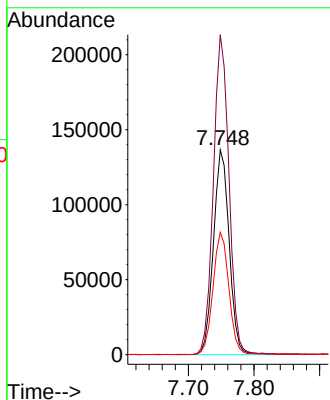
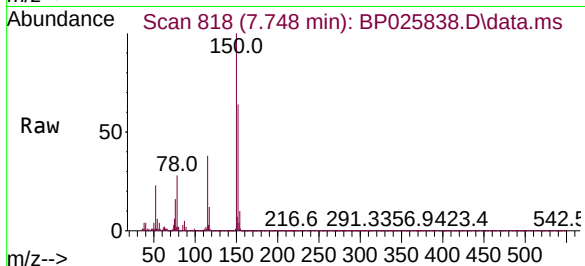




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.748 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025838.D
 Acq: 23 Sep 2025 20:45

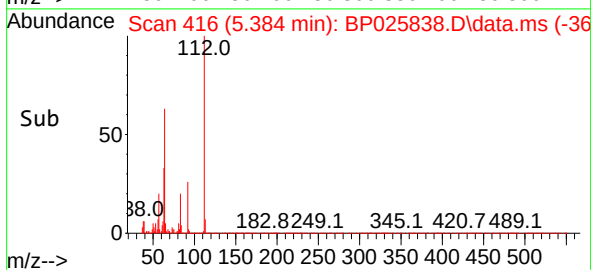
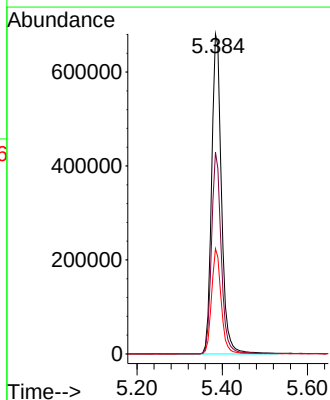
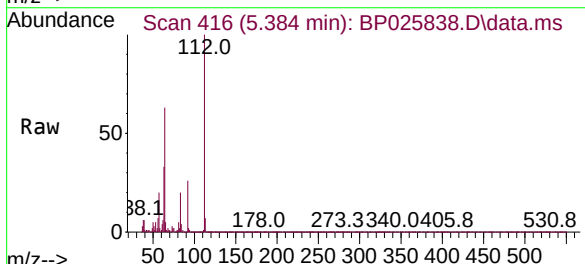
Instrument :
 BNA_P
 ClientSampleId :
 20-DEAD-1

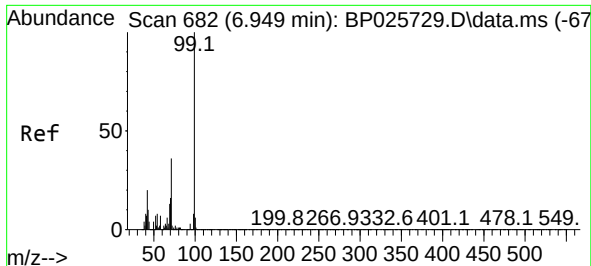
Tgt Ion:152 Resp: 228660
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.3 186.5
 115 59.8 50.3 75.5



#5
 2-Fluorophenol
 Concen: 77.192 ng
 RT: 5.384 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: BP025838.D
 Acq: 23 Sep 2025 20:45

Tgt Ion:112 Resp: 1093905
 Ion Ratio Lower Upper
 112 100
 64 63.1 50.2 75.4
 63 32.9 26.7 40.1

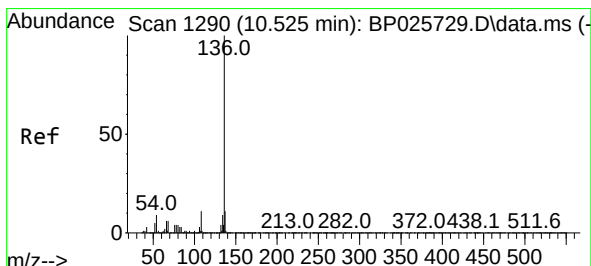
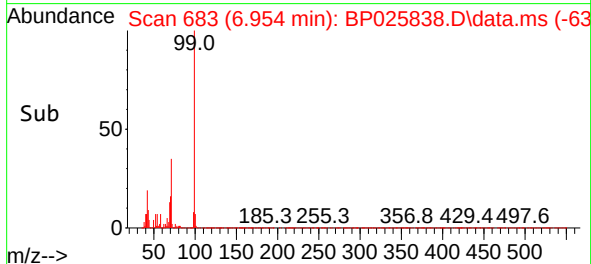
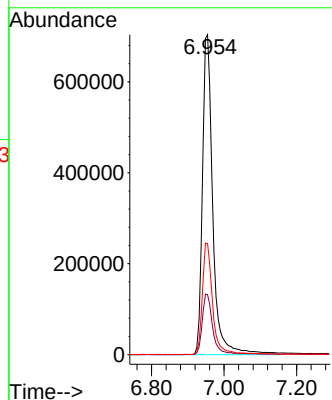
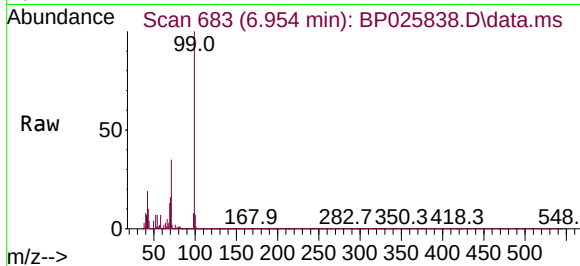




#7
Phenol-d6
Concen: 74.210 ng
RT: 6.954 min Scan# 682
Delta R.T. 0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

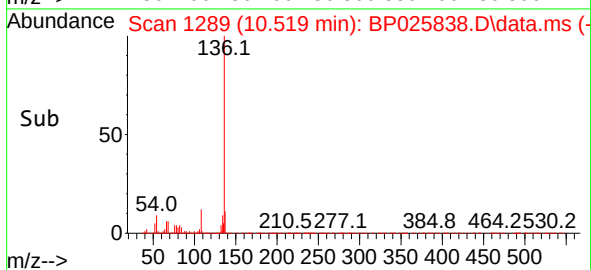
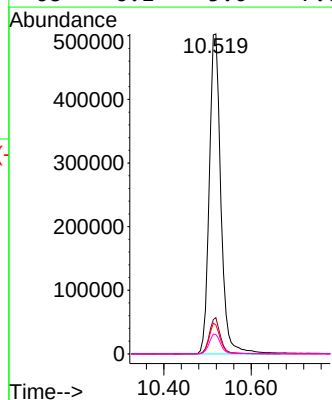
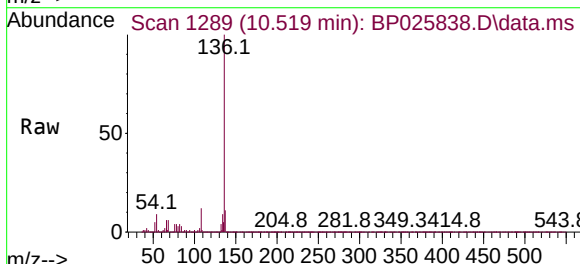
Instrument :
BNA_P
ClientSampleId :
20-DEAD-1

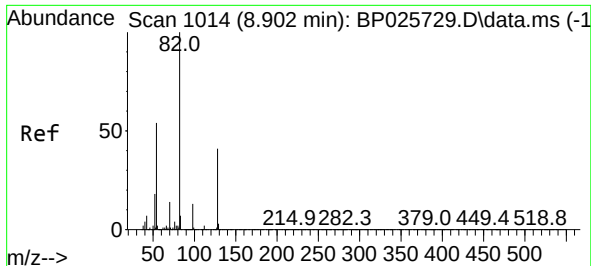
Tgt Ion: 99 Resp: 1397839
Ion Ratio Lower Upper
99 100
42 18.7 15.6 23.4
71 34.7 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

Tgt Ion:136 Resp: 922534
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 9.0 7.5 11.3
68 6.1 5.0 7.6

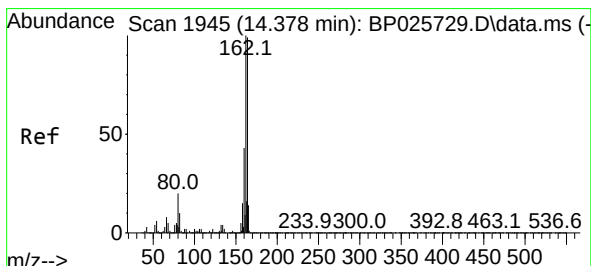
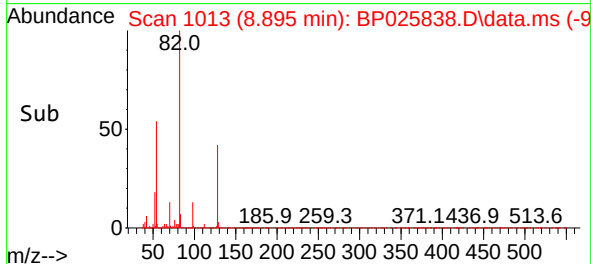
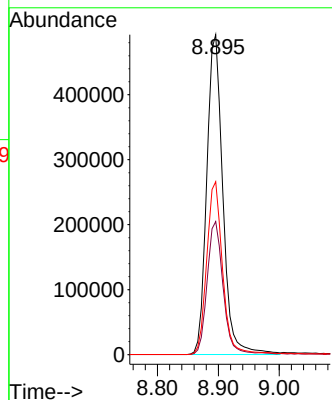
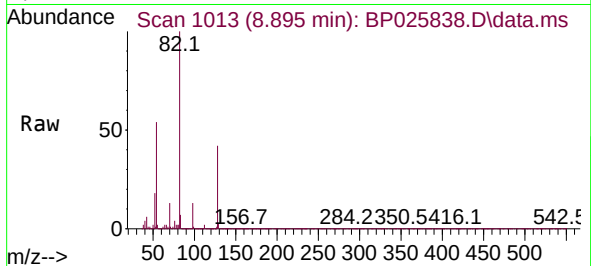




#23
Nitrobenzene-d5
Concen: 43.212 ng
RT: 8.895 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

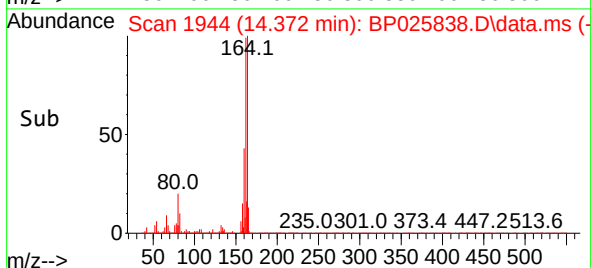
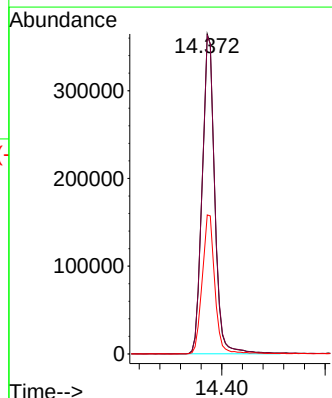
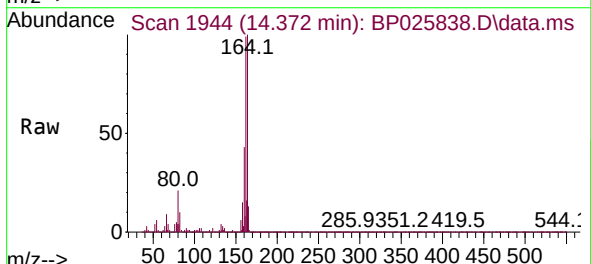
Instrument :
BNA_P
ClientSampleId :
20-DEAD-1

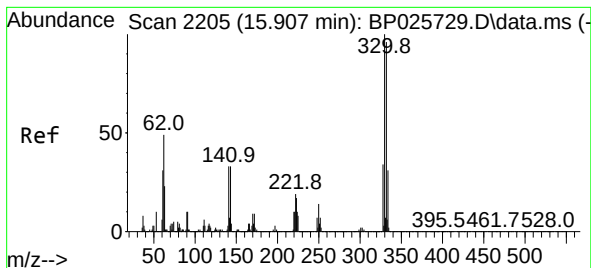
Tgt Ion: 82 Resp: 903727
Ion Ratio Lower Upper
82 100
128 41.6 32.9 49.3
54 54.0 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

Tgt Ion:164 Resp: 611338
Ion Ratio Lower Upper
164 100
162 99.5 80.6 120.8
160 43.4 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 69.838 ng

RT: 15.889 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

Instrument :

BNA_P

ClientSampleId :

20-DEAD-1

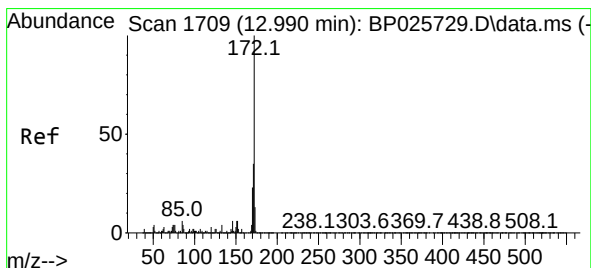
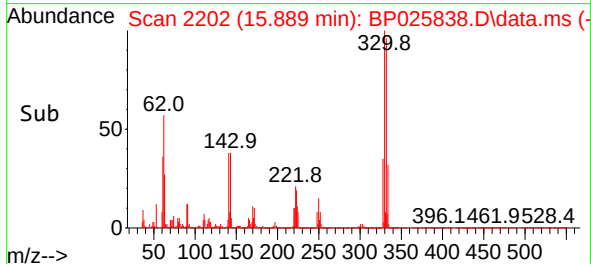
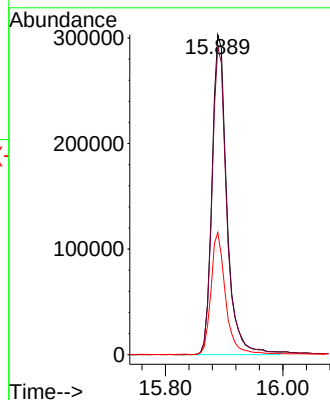
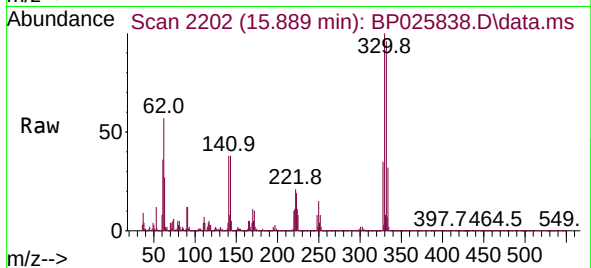
Tgt Ion:330 Resp: 532528

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 37.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 44.717 ng

RT: 12.983 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

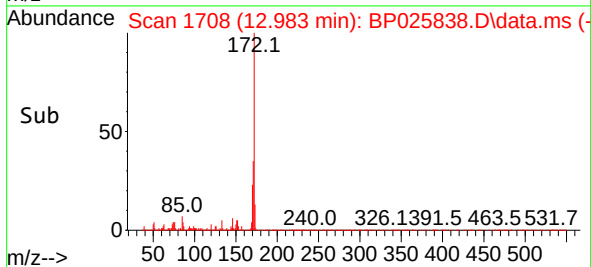
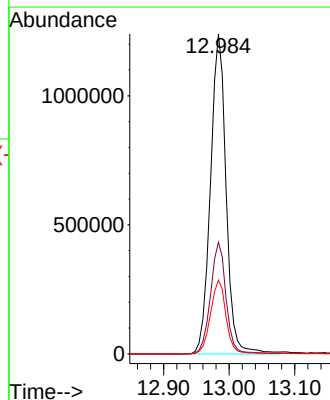
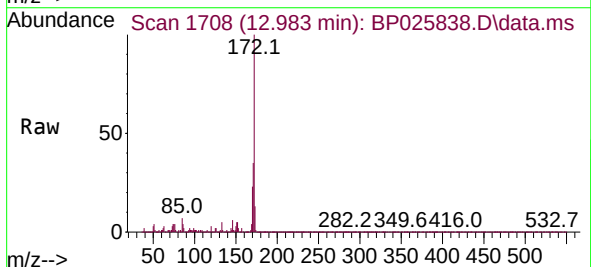
Tgt Ion:172 Resp: 2053119

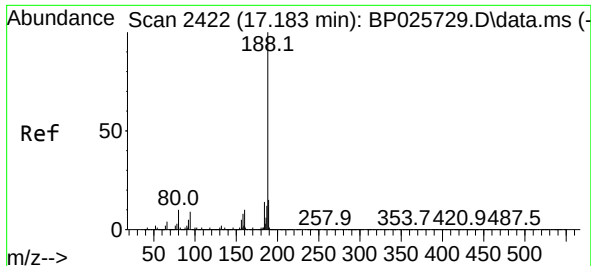
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.1 18.6 27.8

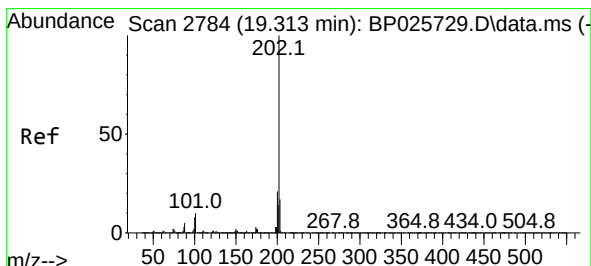
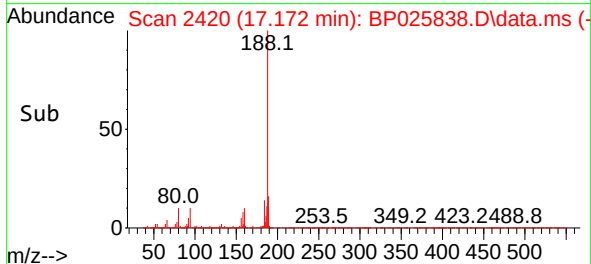
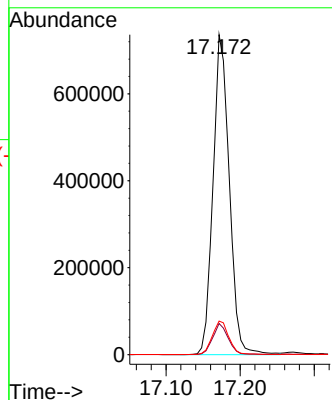
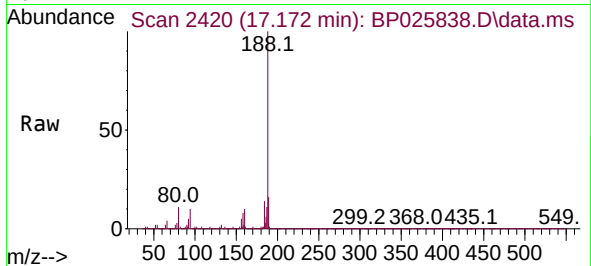




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

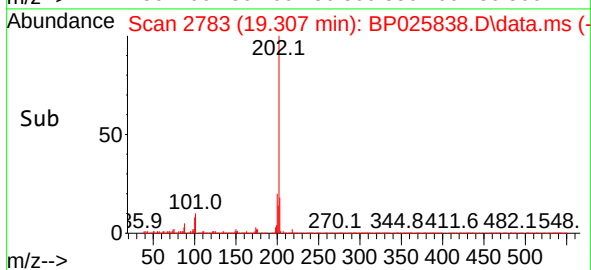
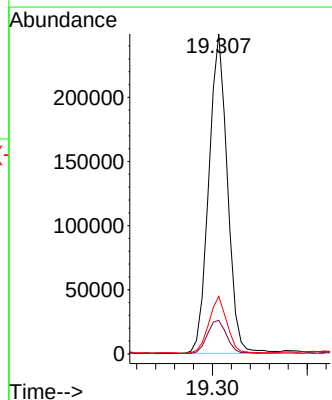
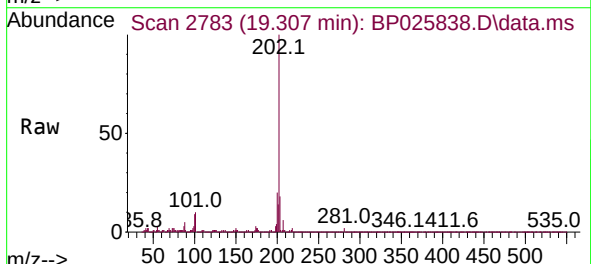
Instrument :
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20-DEAD-1

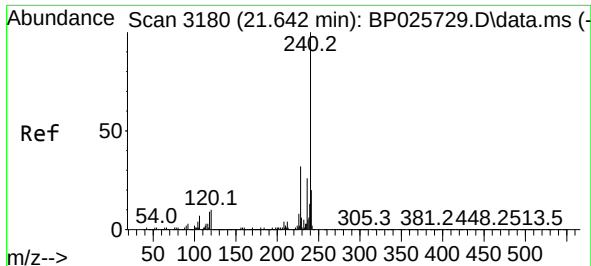
Tgt Ion:188 Resp: 1122180
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.0
80 10.5 7.7 11.5



#75
Fluoranthene
Concen: 4.458 ng
RT: 19.307 min Scan# 2783
Delta R.T. -0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

Tgt Ion:202 Resp: 340363
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.4
203 18.0 0.0 37.4

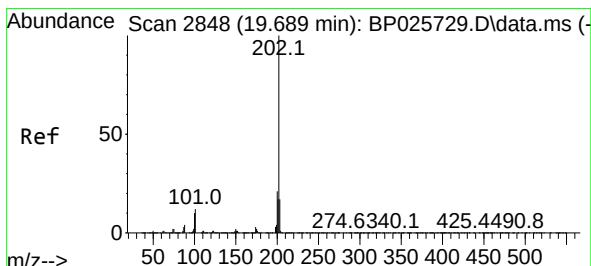
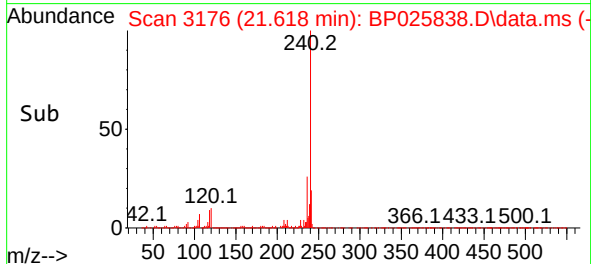
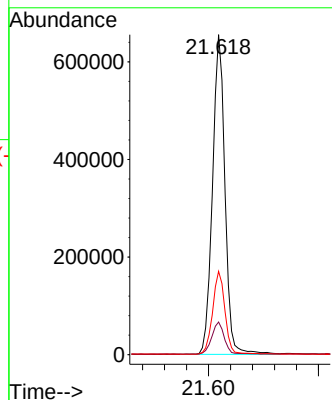
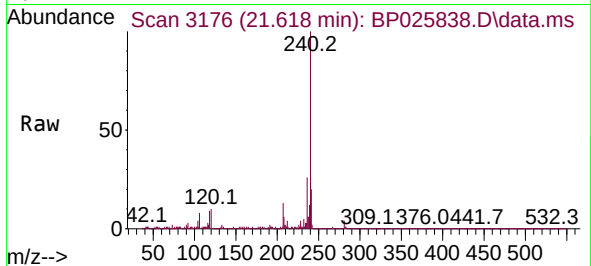




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 31
Delta R.T. -0.024 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

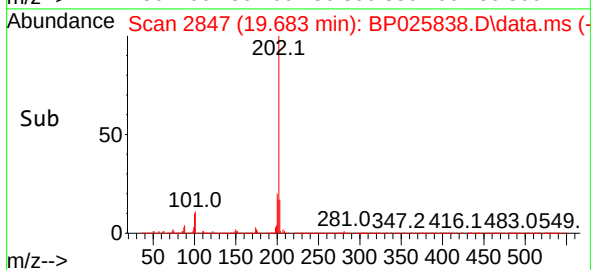
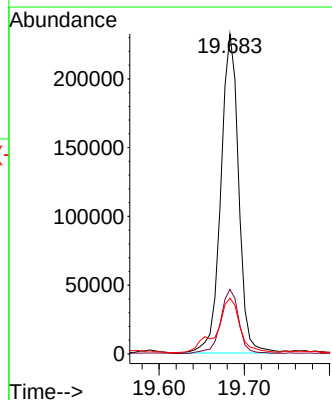
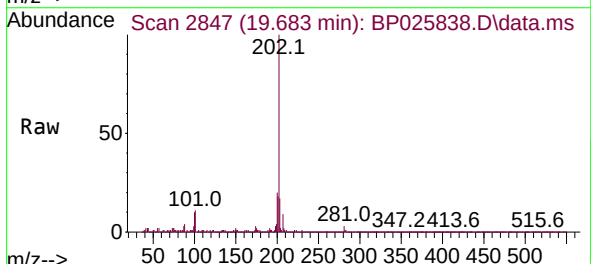
Instrument :
BNA_P
ClientSampleId :
20-DEAD-1

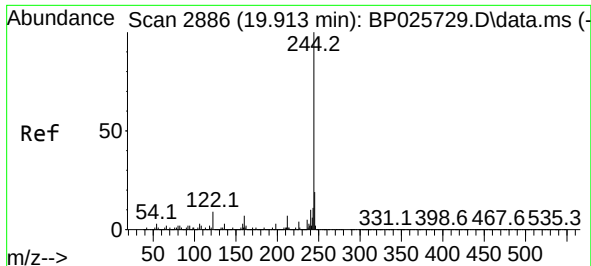
Tgt Ion:240 Resp: 1028858
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 26.1 20.7 31.1



#78
Pyrene
Concen: 4.911 ng
RT: 19.683 min Scan# 2847
Delta R.T. -0.006 min
Lab File: BP025838.D
Acq: 23 Sep 2025 20:45

Tgt Ion:202 Resp: 337151
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 17.4 13.9 20.9

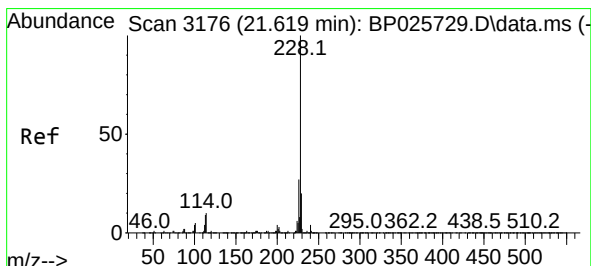
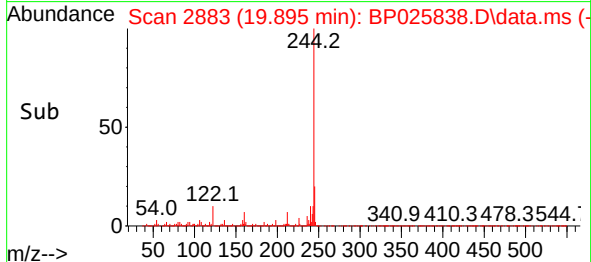
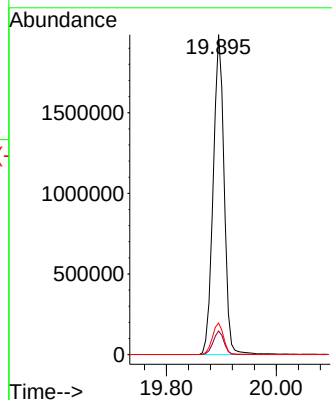
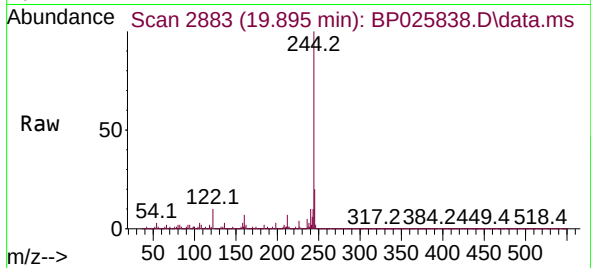




#79
 Terphenyl-d14
 Concen: 47.857 ng
 RT: 19.895 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BP025838.D
 Acq: 23 Sep 2025 20:45

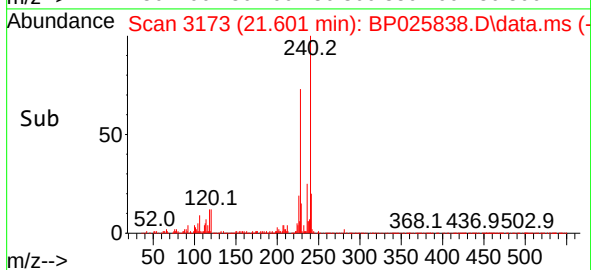
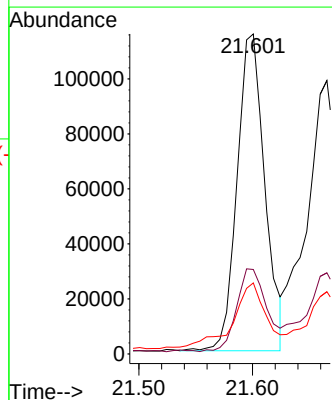
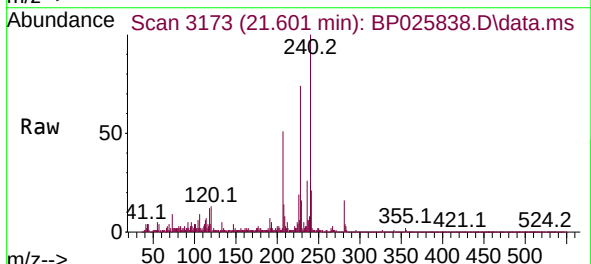
Instrument :
 BNA_P
 ClientSampleId :
 20-DEAD-1

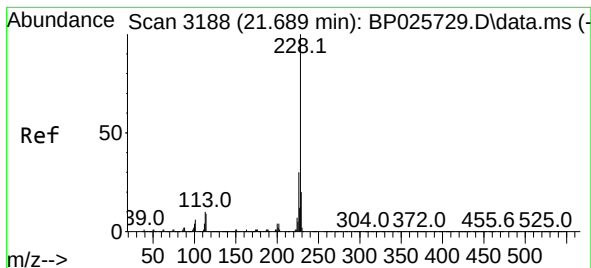
Tgt Ion:244 Resp: 2736960
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 9.9 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 2.773 ng
 RT: 21.601 min Scan# 3173
 Delta R.T. -0.018 min
 Lab File: BP025838.D
 Acq: 23 Sep 2025 20:45

Tgt Ion:228 Resp: 195299
 Ion Ratio Lower Upper
 228 100
 226 26.4 21.6 32.4
 229 22.2 15.7 23.5





#83

Chrysene

Concen: 3.071 ng

RT: 21.665 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

Instrument :

BNA_P

ClientSampleId :

20-DEAD-1

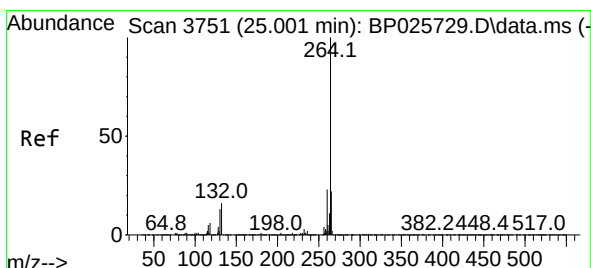
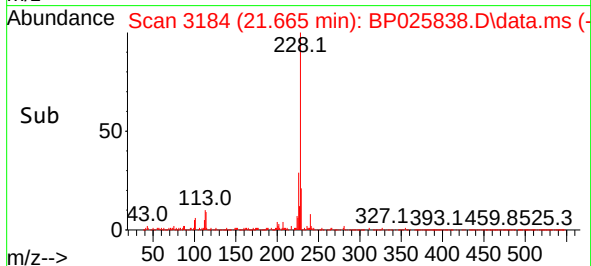
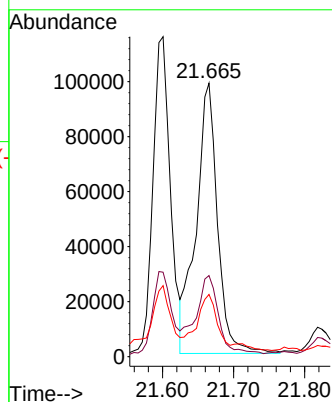
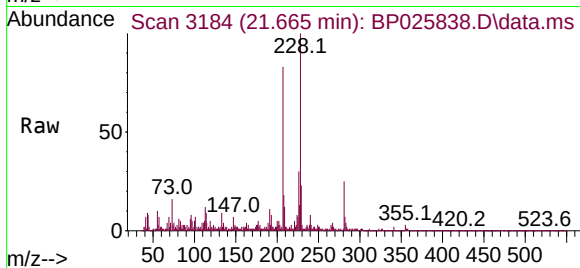
Tgt Ion:228 Resp: 206180

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 22.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 3747

Delta R.T. -0.024 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

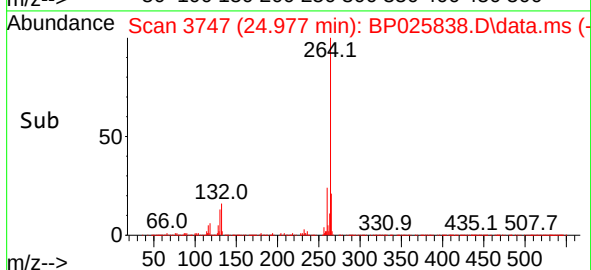
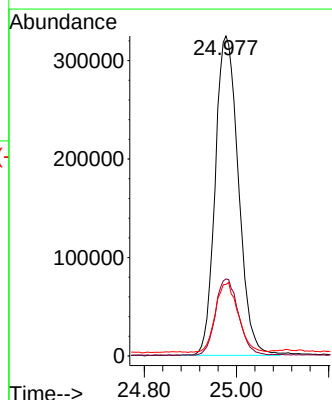
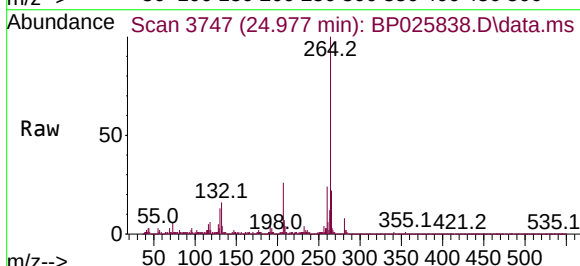
Tgt Ion:264 Resp: 1135781

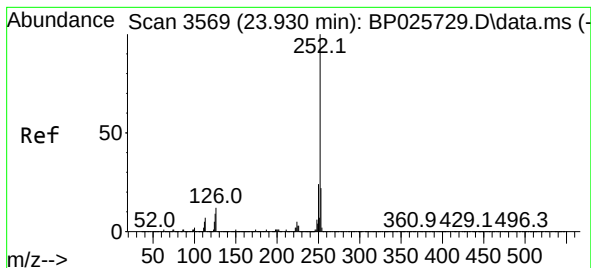
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 22.3 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.474 ng

RT: 23.918 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

Instrument :

BNA_P

ClientSampleId :

20-DEAD-1

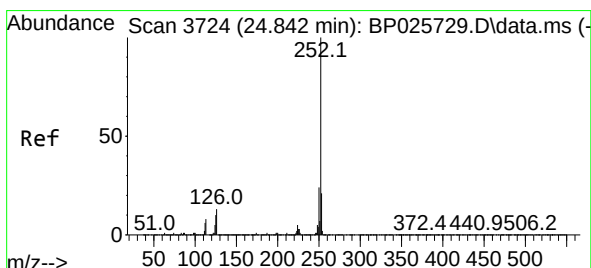
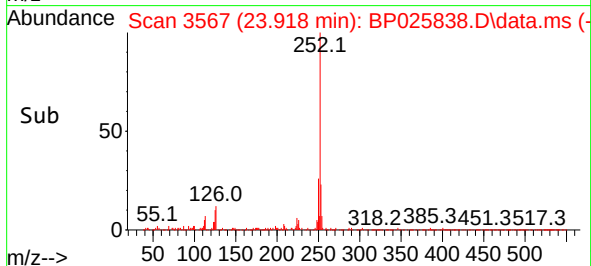
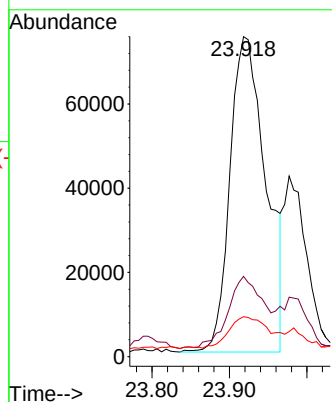
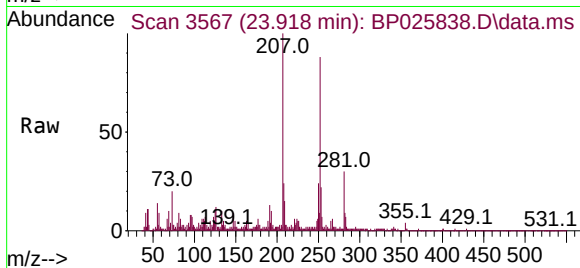
Tgt Ion:252 Resp: 241279

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

125 12.5 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 2.663 ng

RT: 24.812 min Scan# 3719

Delta R.T. -0.030 min

Lab File: BP025838.D

Acq: 23 Sep 2025 20:45

Tgt Ion:252 Resp: 181097

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 13.0 8.3 12.5#

