

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025890.D
 Acq On : 29 Sep 2025 21:15
 Operator : CG/JU
 Sample : Q3231-09 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-3

Quant Time: Sep 30 05:09:57 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)

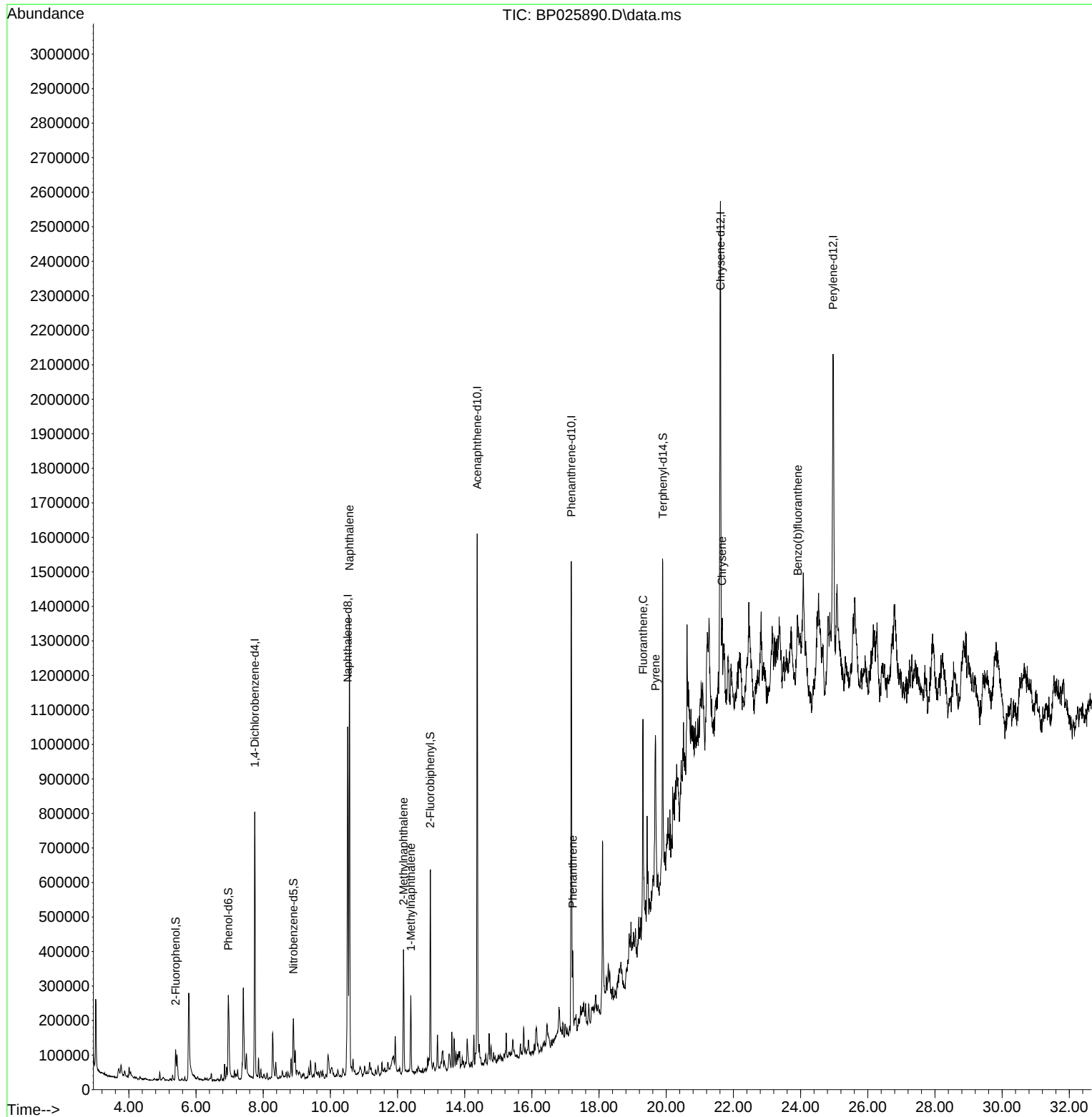
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.749	152	232868	20.000	ng	-0.01
21) Naphthalene-d8	10.513	136	909928	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	562585	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	947380	20.000	ng	-0.01
76) Chrysene-d12	21.613	240	958441	20.000	ng	-0.03
86) Perylene-d12	24.965	264	1100415	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	55020	3.812	ng	0.01
7) Phenol-d6	6.960	99	195140	10.173	ng	0.01
23) Nitrobenzene-d5	8.896	82	132721	6.434	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	9529	1.358	ng	0.00
45) 2-Fluorobiphenyl	12.972	172	332092	7.860	ng	-0.02
79) Terphenyl-d14	19.895	244	425308	7.983	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.566	128	1063244	21.671	ng	99
37) 2-Methylnaphthalene	12.178	142	195586	6.207	ng	97
38) 1-Methylnaphthalene	12.395	142	115223	3.429	ng	97
71) Phenanthrene	17.219	178	141895	2.640	ng	99
75) Fluoranthene	19.307	202	243768	3.782	ng	99
78) Pyrene	19.677	202	273733	4.280	ng	99
83) Chrysene	21.660	228	152723	2.442	ng	# 94
88) Benzo(b)fluoranthene	23.913	252	185121	2.751	ng	# 86

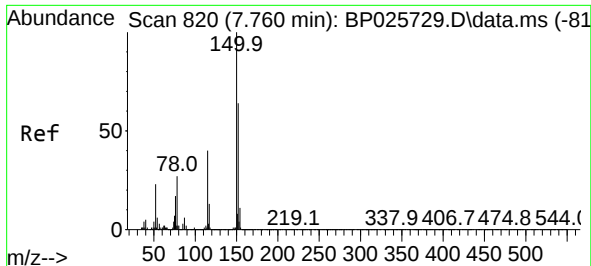
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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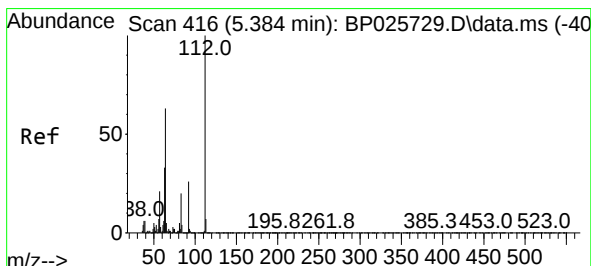
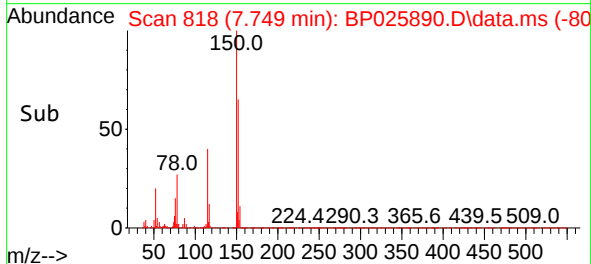
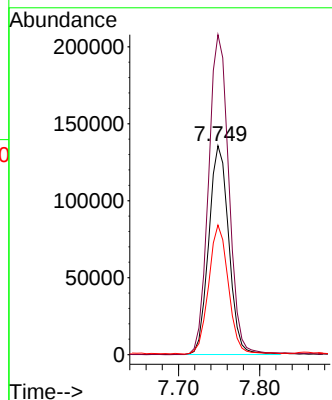
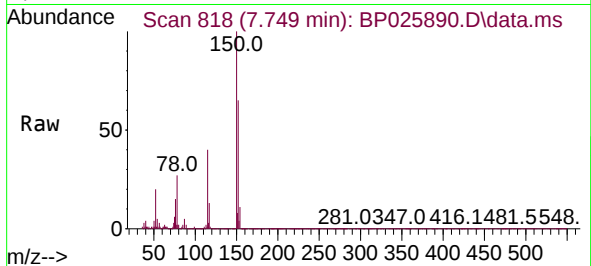




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.749 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

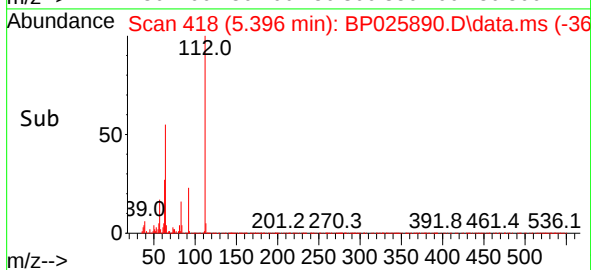
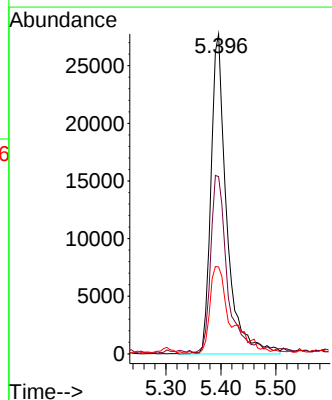
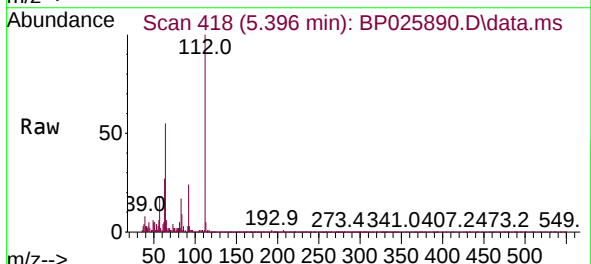
Instrument :
BNA_P
ClientSampleId :
WC-3

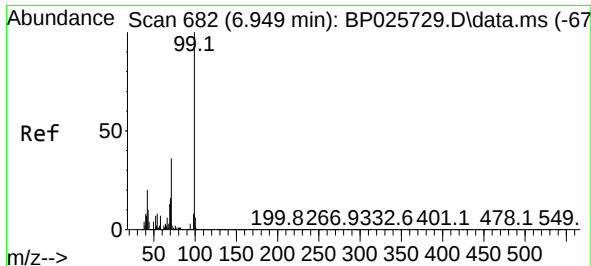
Tgt Ion:152 Resp: 232868
Ion Ratio Lower Upper
152 100
150 153.2 124.3 186.5
115 62.0 50.3 75.5



#5
2-Fluorophenol
Concen: 3.812 ng
RT: 5.396 min Scan# 418
Delta R.T. 0.012 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

Tgt Ion:112 Resp: 55020
Ion Ratio Lower Upper
112 100
64 55.4 50.2 75.4
63 27.2 26.7 40.1

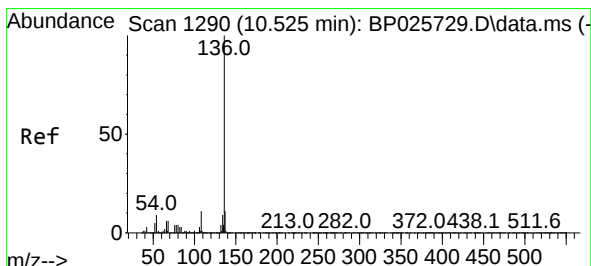
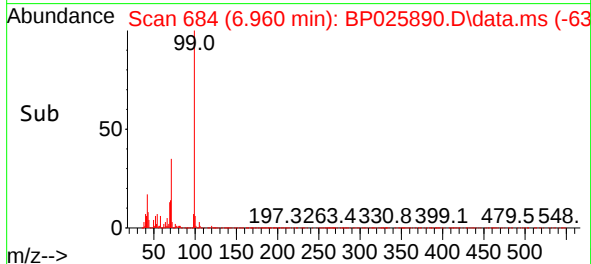
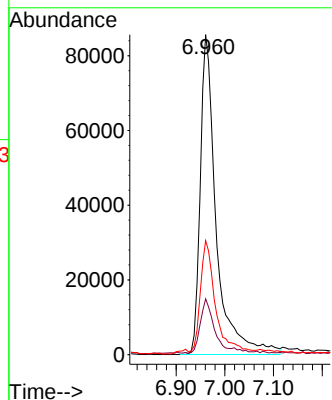
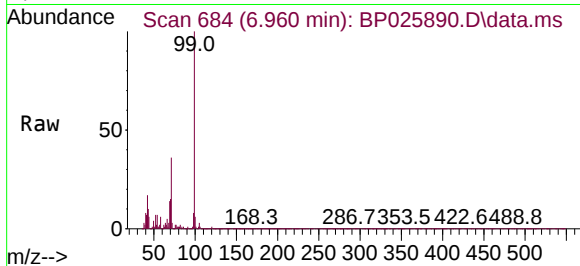




#7
Phenol-d6
Concen: 10.173 ng
RT: 6.960 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

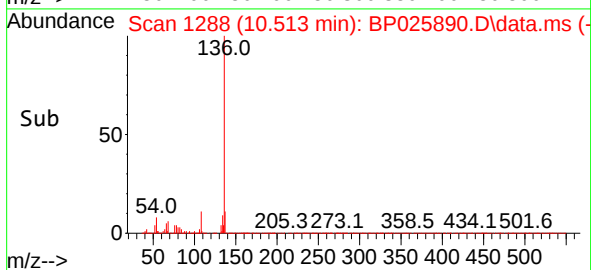
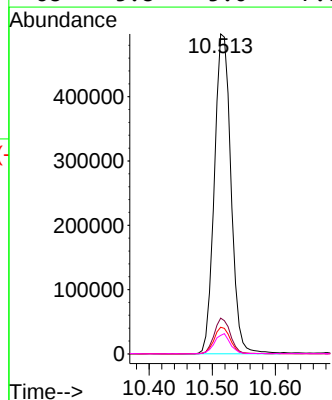
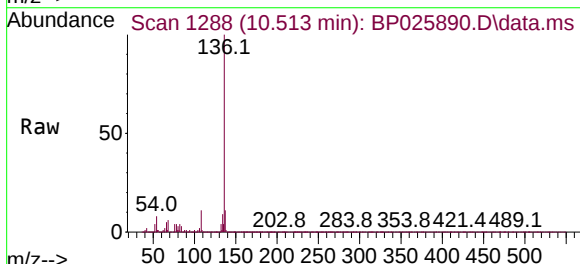
Instrument :
BNA_P
ClientSampleId :
WC-3

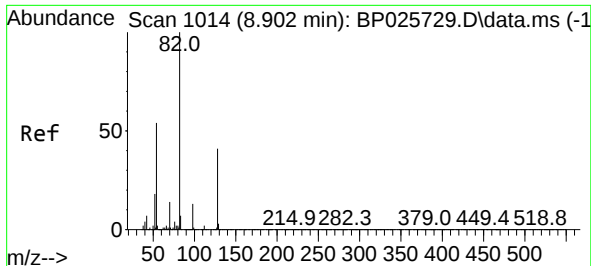
Tgt Ion:	99	Resp:	195140
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.6	23.4
71	35.6	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

Tgt Ion:	136	Resp:	909928
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.3	7.5	11.3
68	5.8	5.0	7.6

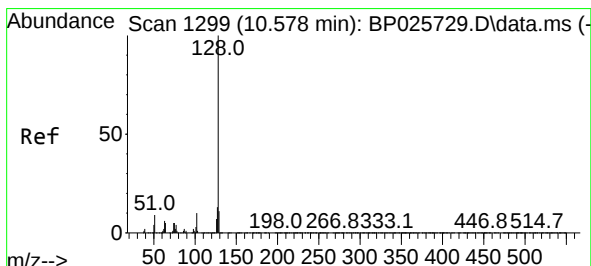
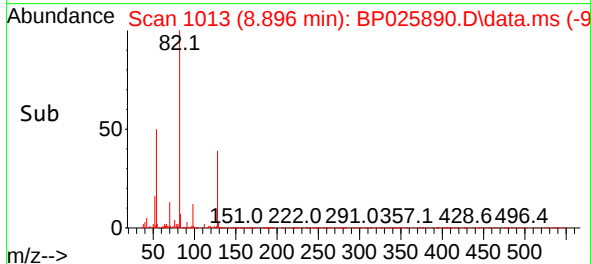
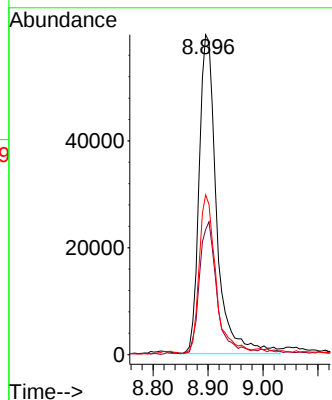
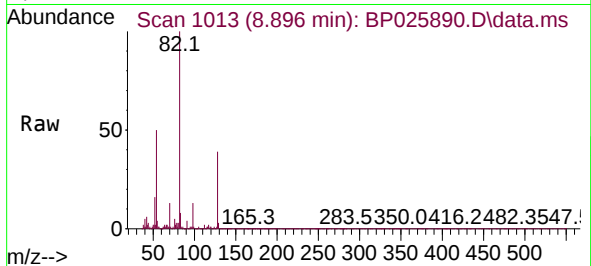




#23
Nitrobenzene-d5
Concen: 6.434 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

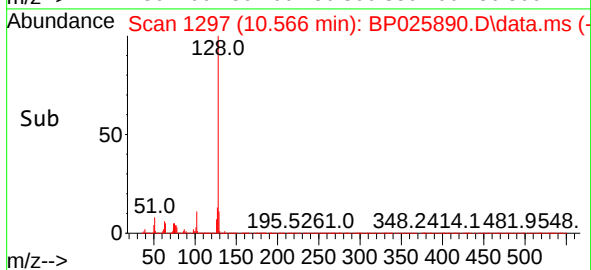
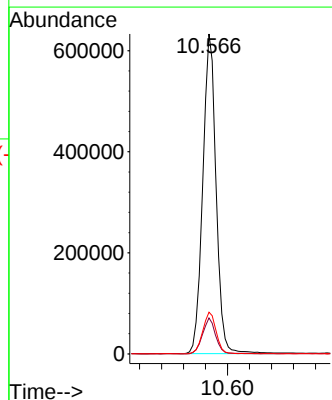
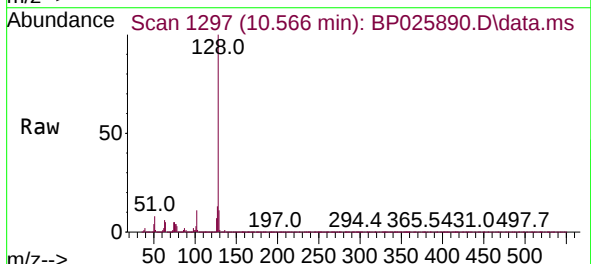
Instrument :
BNA_P
ClientSampleId :
WC-3

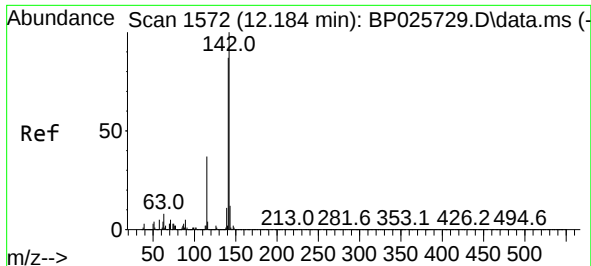
Tgt Ion: 82 Resp: 132721
Ion Ratio Lower Upper
82 100
128 39.1 32.9 49.3
54 49.9 43.4 65.2



#31
Naphthalene
Concen: 21.671 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

Tgt Ion: 128 Resp: 1063244
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.0 10.2 15.4

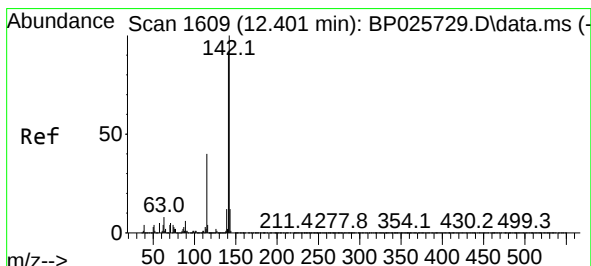
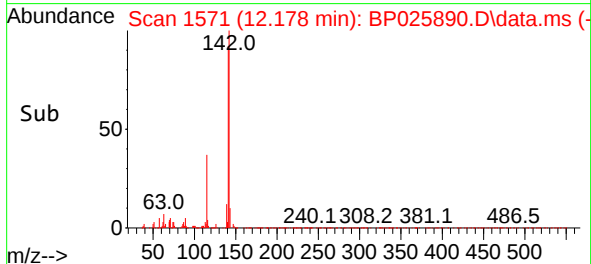
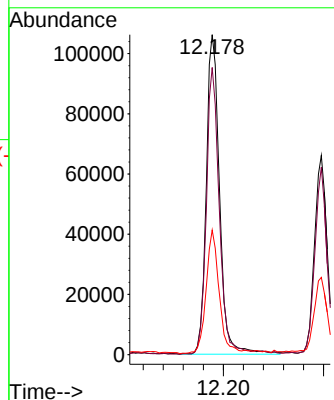
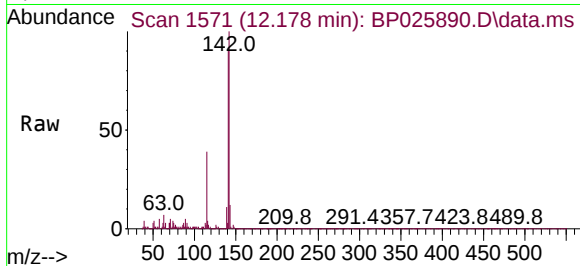




#37
2-Methylnaphthalene
Concen: 6.207 ng
RT: 12.178 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

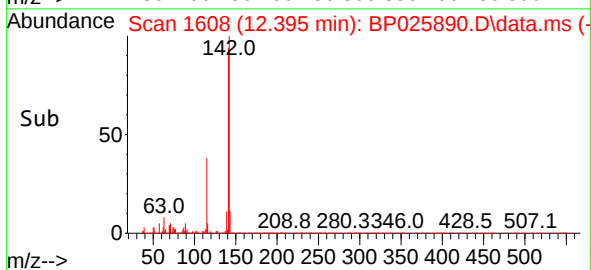
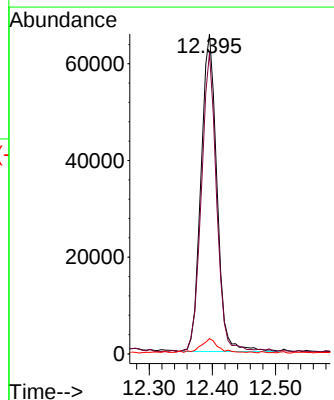
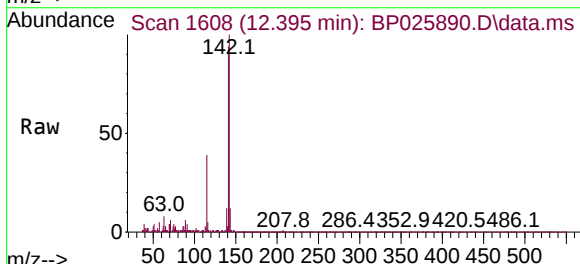
Instrument :
BNA_P
ClientSampleId :
WC-3

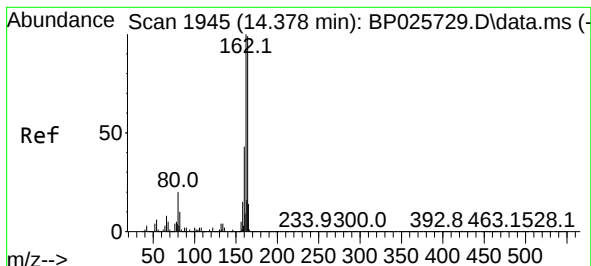
Tgt Ion:142 Resp: 195586
Ion Ratio Lower Upper
142 100
141 89.7 69.6 104.4
115 38.9 30.0 45.0



#38
1-Methylnaphthalene
Concen: 3.429 ng
RT: 12.395 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

Tgt Ion:142 Resp: 115223
Ion Ratio Lower Upper
142 100
141 94.1 72.7 109.1
116 4.8 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.372 min Scan# 1945

Delta R.T. -0.006 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

Instrument :

BNA_P

ClientSampleId :

WC-3

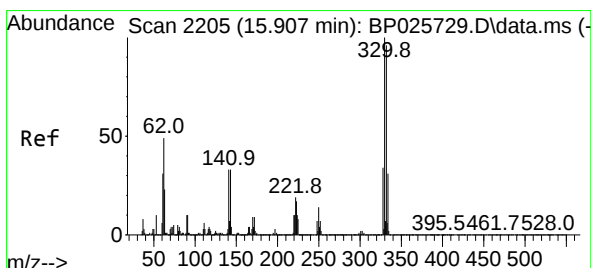
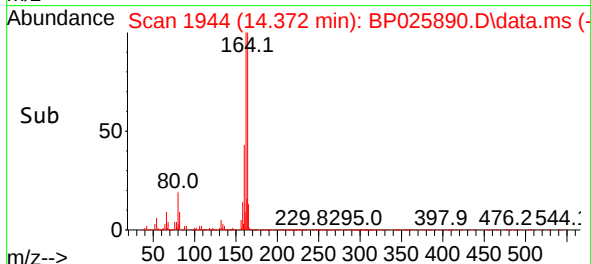
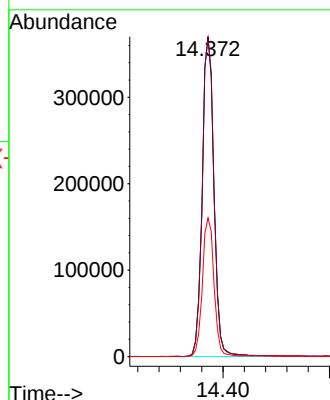
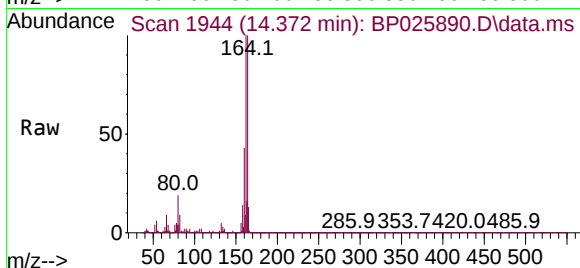
Tgt Ion:164 Resp: 562585

Ion Ratio Lower Upper

164 100

162 99.5 80.6 120.8

160 43.3 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 1.358 ng

RT: 15.901 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

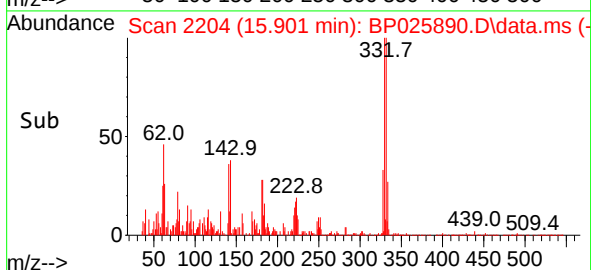
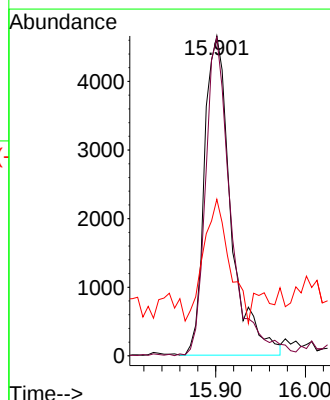
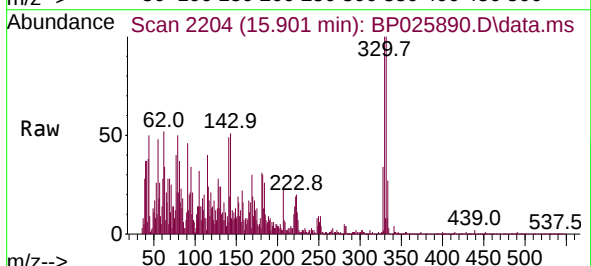
Tgt Ion:330 Resp: 9529

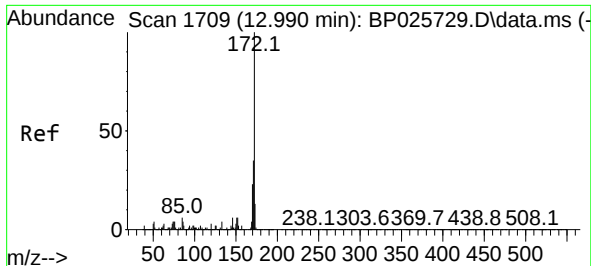
Ion Ratio Lower Upper

330 100

332 95.7 76.9 115.3

141 37.8 31.0 46.4

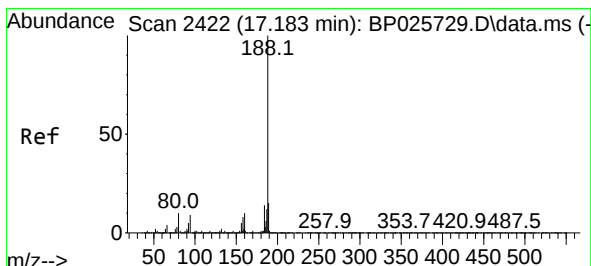
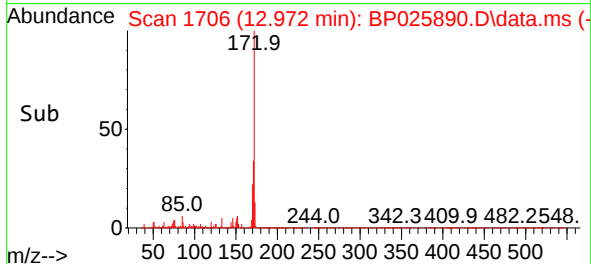
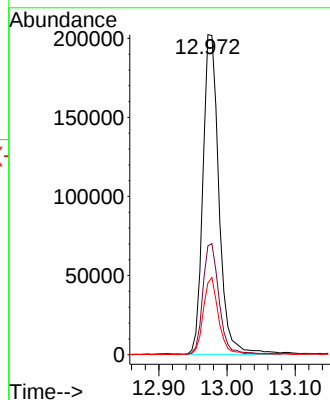
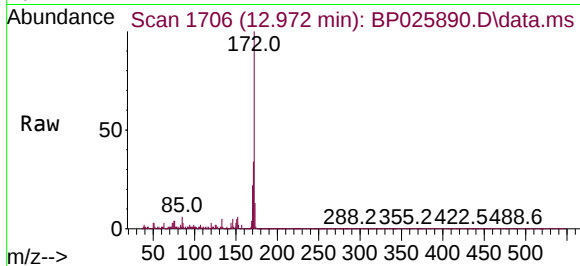




#45
2-Fluorobiphenyl
Concen: 7.860 ng
RT: 12.972 min Scan# 1706
Delta R.T. -0.018 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

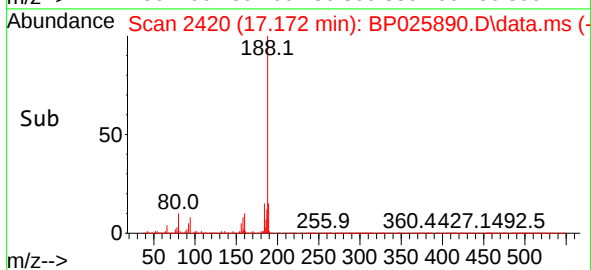
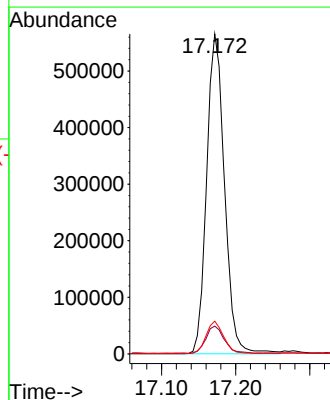
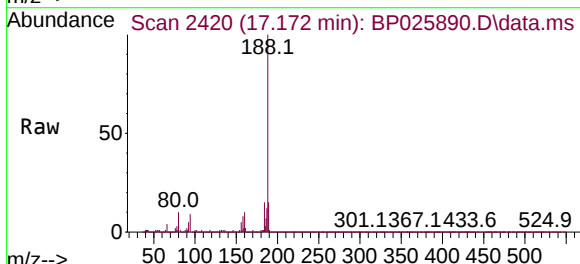
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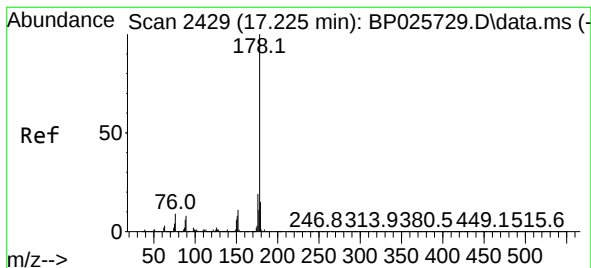
Tgt Ion:172 Resp: 332092
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.6
170 22.4 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025890.D
Acq: 29 Sep 2025 21:15

Tgt Ion:188 Resp: 947380
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 10.2 7.7 11.5





#71

Phenanthrene

Concen: 2.640 ng

RT: 17.219 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

Instrument :

BNA_P

ClientSampleId :

WC-3

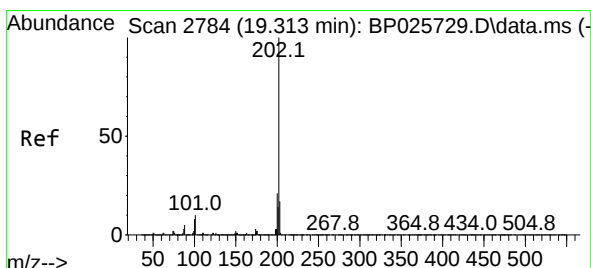
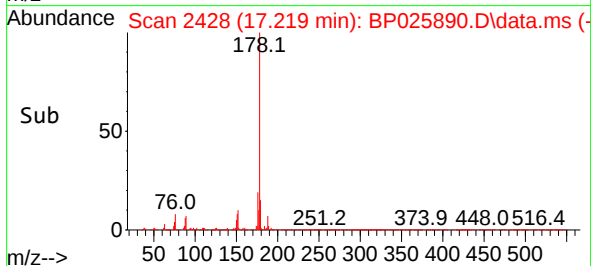
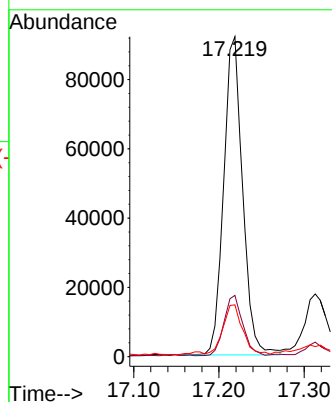
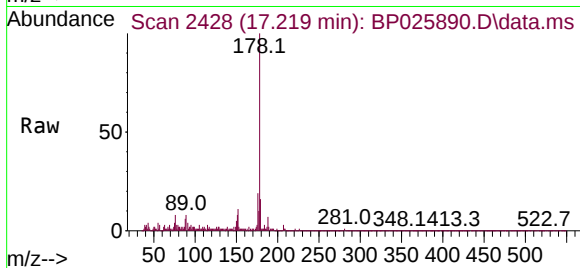
Tgt Ion:178 Resp: 141895

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 16.2 12.2 18.4



#75

Fluoranthene

Concen: 3.782 ng

RT: 19.307 min Scan# 2783

Delta R.T. -0.006 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

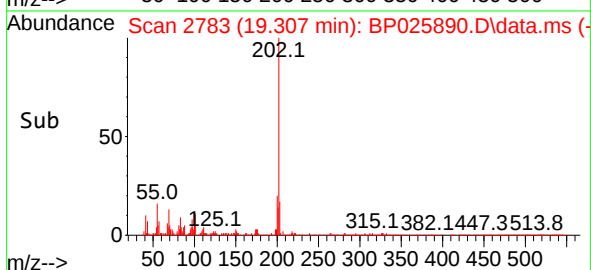
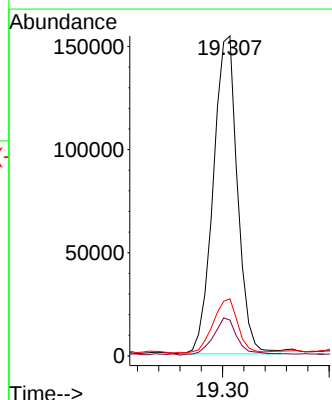
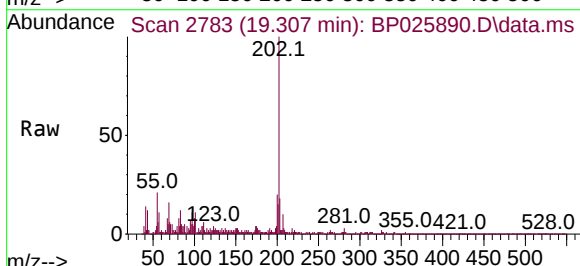
Tgt Ion:202 Resp: 243768

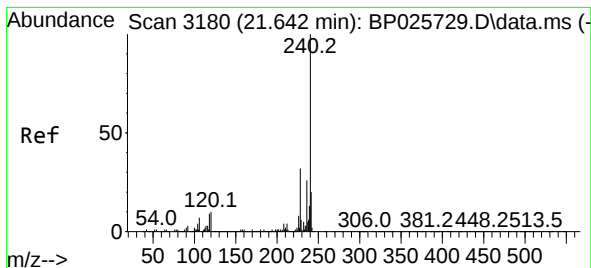
Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.4

203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

Instrument :

BNA_P

ClientSampleId :

WC-3

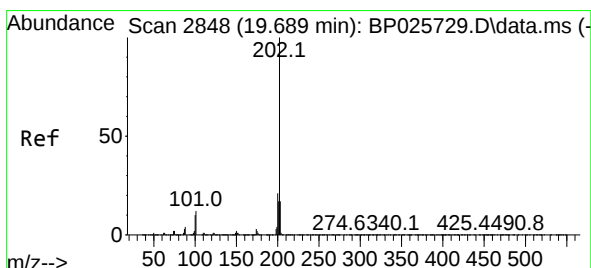
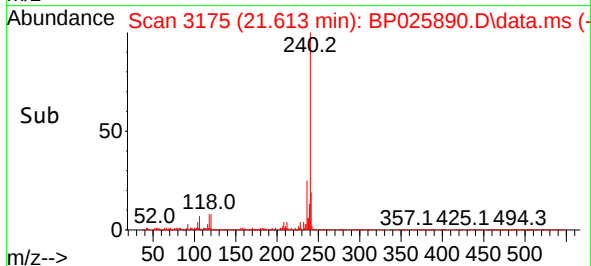
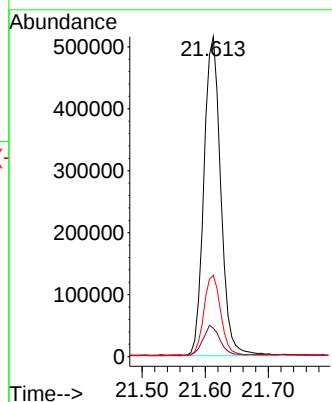
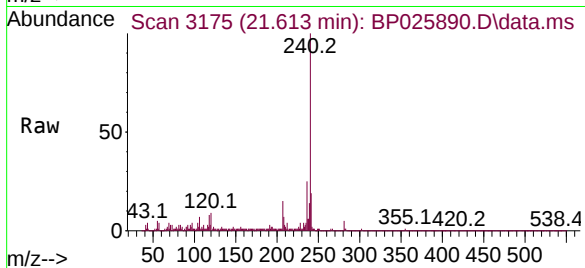
Tgt Ion:240 Resp: 958441

Ion Ratio Lower Upper

240 100

120 8.9 8.0 12.0

236 25.4 20.7 31.1



#78

Pyrene

Concen: 4.280 ng

RT: 19.677 min Scan# 2846

Delta R.T. -0.012 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

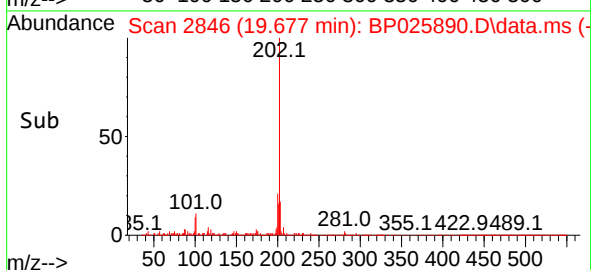
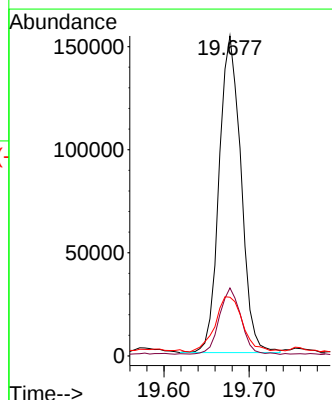
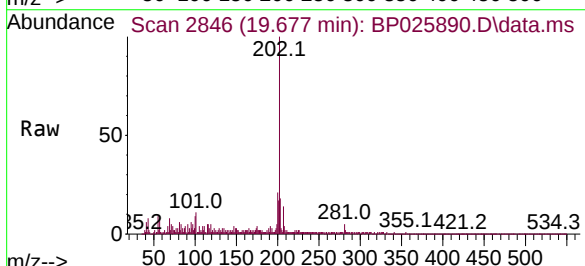
Tgt Ion:202 Resp: 273733

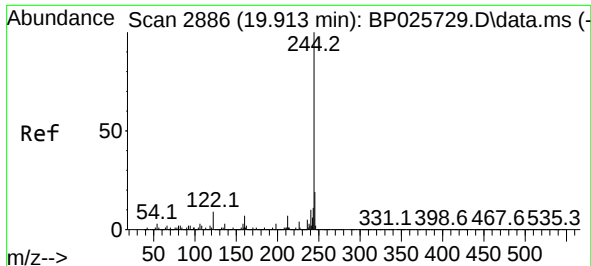
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.3 13.9 20.9

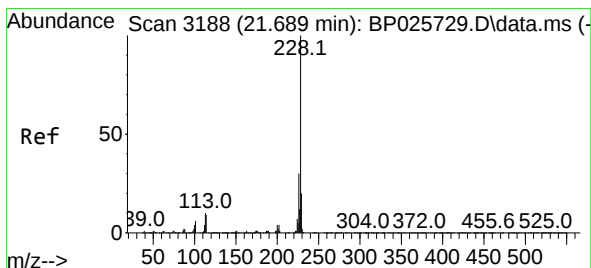
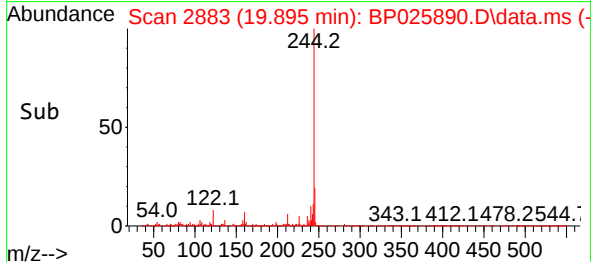
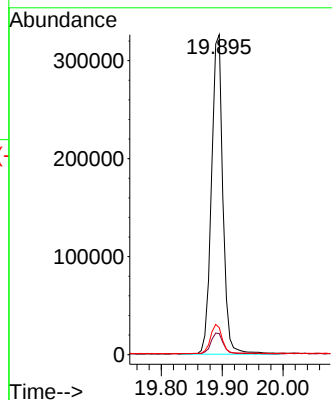
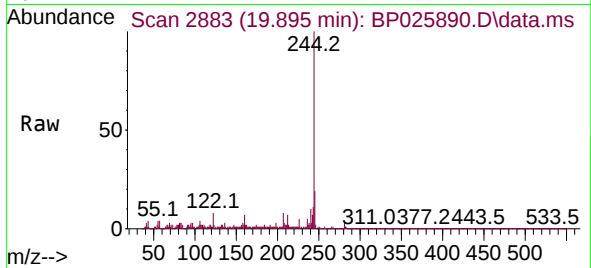




#79
 Terphenyl-d14
 Concen: 7.983 ng
 RT: 19.895 min Scan# 2886
 Delta R.T. -0.018 min
 Lab File: BP025890.D
 Acq: 29 Sep 2025 21:15

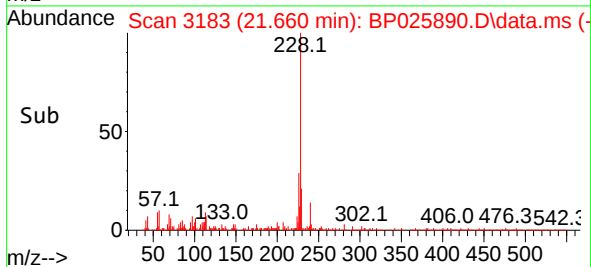
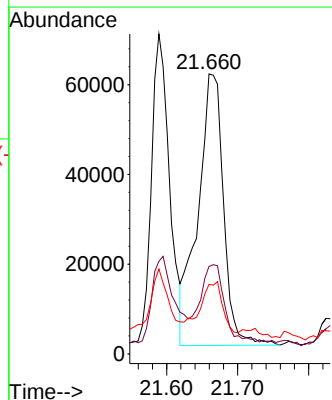
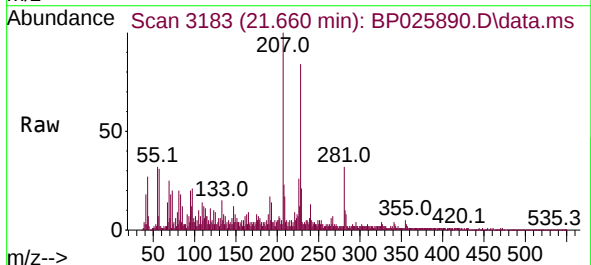
Instrument :
 BNA_P
 ClientSampleId :
 WC-3

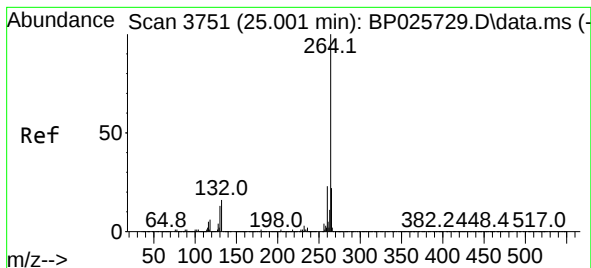
Tgt Ion:244 Resp: 425308
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 8.4 7.1 10.7



#83
 Chrysene
 Concen: 2.442 ng
 RT: 21.660 min Scan# 3183
 Delta R.T. -0.029 min
 Lab File: BP025890.D
 Acq: 29 Sep 2025 21:15

Tgt Ion:228 Resp: 152723
 Ion Ratio Lower Upper
 228 100
 226 31.2 23.8 35.6
 229 24.9 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.965 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

Instrument :

BNA_P

ClientSampleId :

WC-3

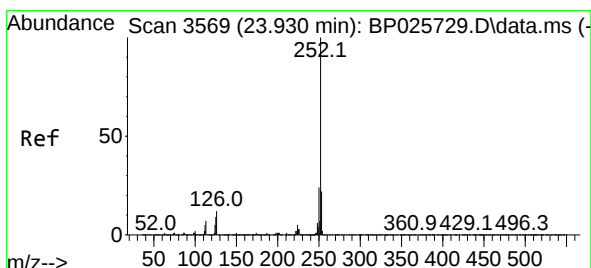
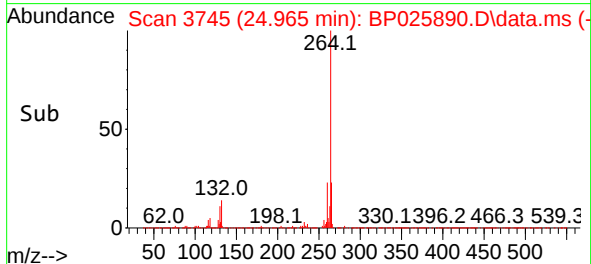
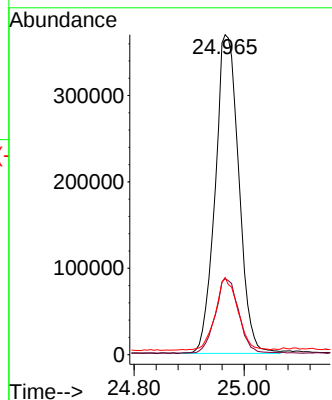
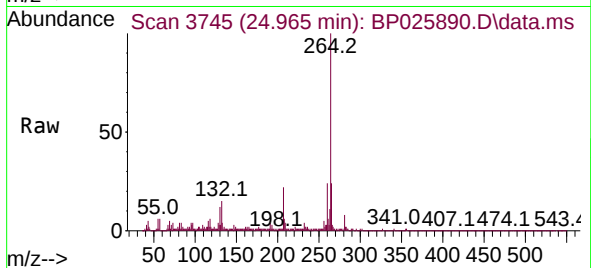
Tgt Ion:264 Resp: 1100415

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 24.1 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 2.751 ng

RT: 23.913 min Scan# 3566

Delta R.T. -0.018 min

Lab File: BP025890.D

Acq: 29 Sep 2025 21:15

Tgt Ion:252 Resp: 185121

Ion Ratio Lower Upper

252 100

253 27.9 17.9 26.9#

125 17.0 7.3 10.9#

