

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024935.D
 Acq On : 12 Jun 2025 18:37
 Operator : RC/JU
 Sample : Q2297-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Jun 13 00:02:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

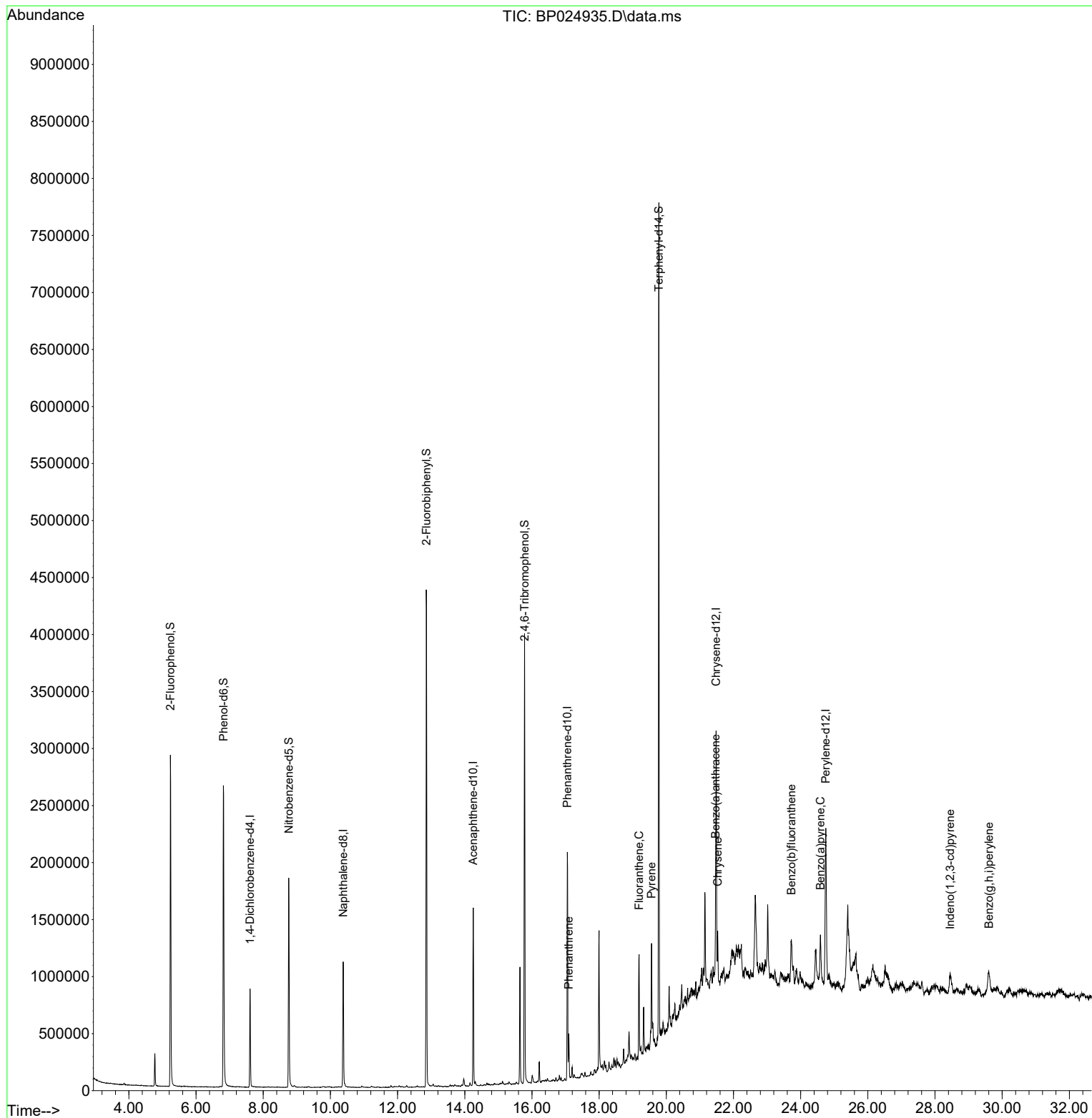
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	236207	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	934236	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	571711	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1128042	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1184375	20.000	ng	0.00
86) Perylene-d12	24.748	264	1429348	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1357487	95.929	ng	0.00
7) Phenol-d6	6.813	99	1757156	93.850	ng	0.00
23) Nitrobenzene-d5	8.760	82	1077846	56.063	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	807689	102.185	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2248560	52.983	ng	0.00
79) Terphenyl-d14	19.777	244	3370104	50.998	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.095	178	246065	3.947	ng	98
75) Fluoranthene	19.189	202	503090	6.963	ng	99
78) Pyrene	19.560	202	515076	6.961	ng	99
81) Benzo(a)anthracene	21.466	228	280469	3.703	ng	96
83) Chrysene	21.530	228	310534	4.326	ng	97
87) Indeno(1,2,3-cd)pyrene	28.453	276	293474	2.814	ng	96
88) Benzo(b)fluoranthene	23.724	252	468294	5.725	ng	# 94
90) Benzo(a)pyrene	24.589	252	364758	4.566	ng	95
92) Benzo(g,h,i)perylene	29.606	276	312704	3.713	ng	98

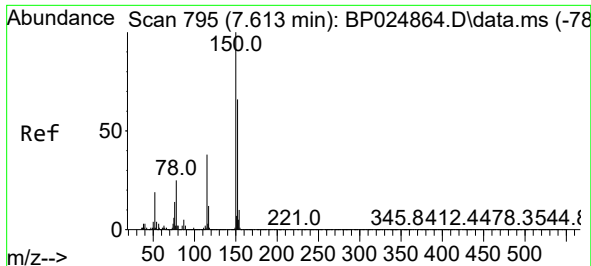
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
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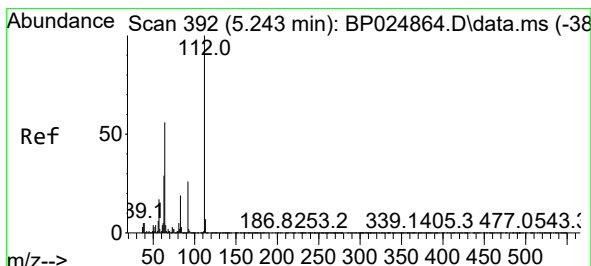
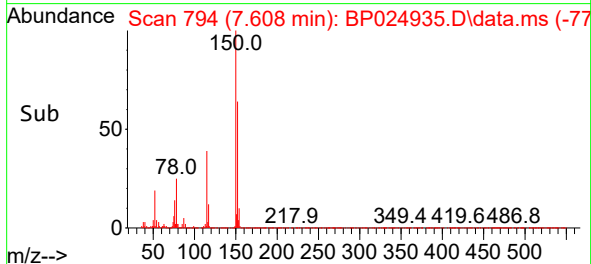
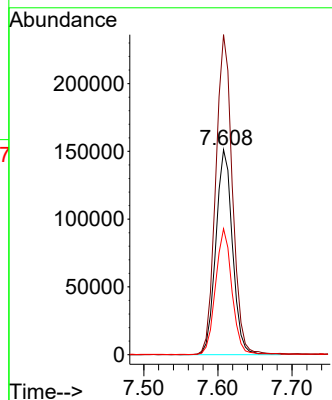
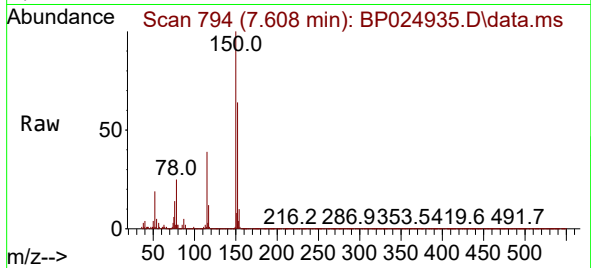




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

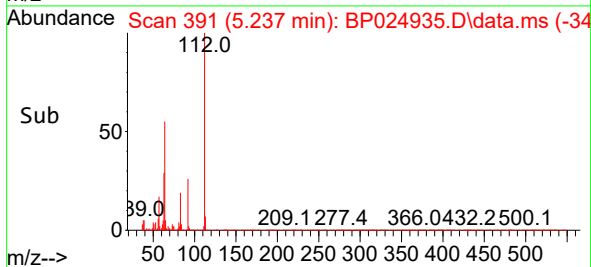
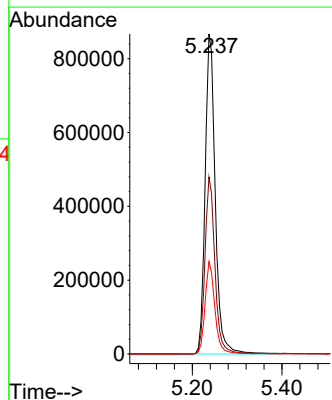
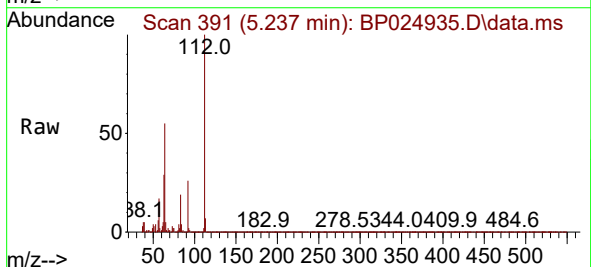
Instrument :
BNA_P
ClientSampleId :
TP-3

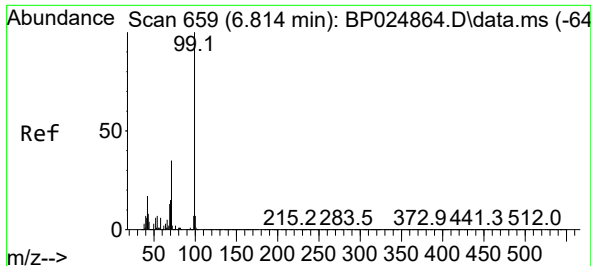
Tgt Ion:152 Resp: 236207
Ion Ratio Lower Upper
152 100
150 156.1 122.1 183.1
115 61.4 46.4 69.6



#5
2-Fluorophenol
Concen: 95.929 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

Tgt Ion:112 Resp: 1357487
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 28.9 23.5 35.3

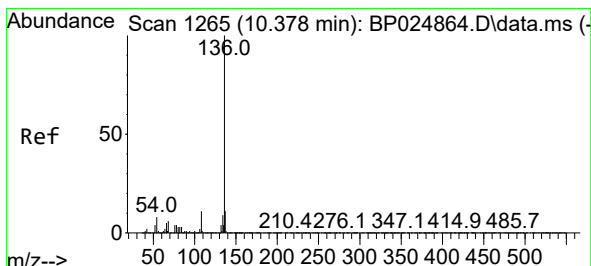
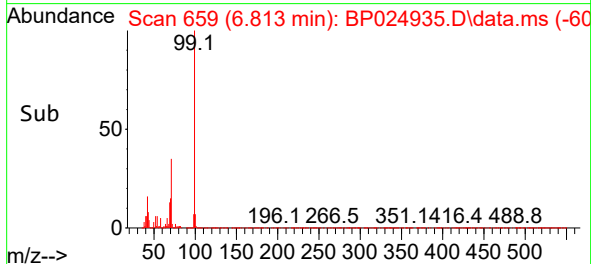
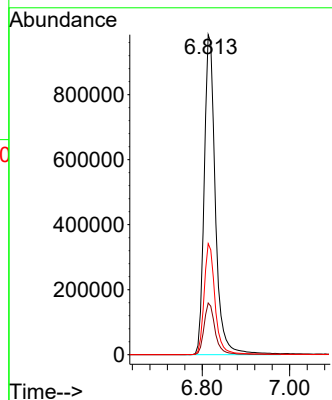
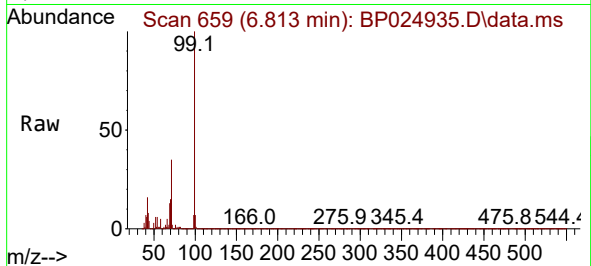




#7
Phenol-d6
Concen: 93.850 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

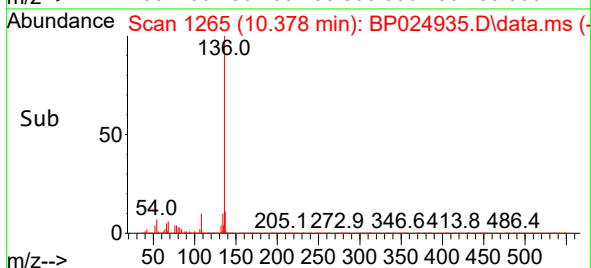
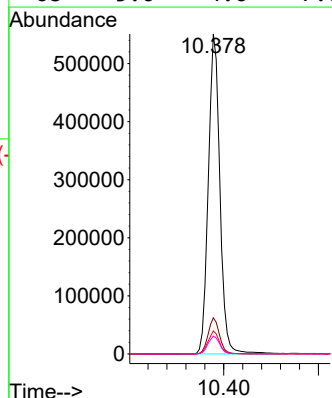
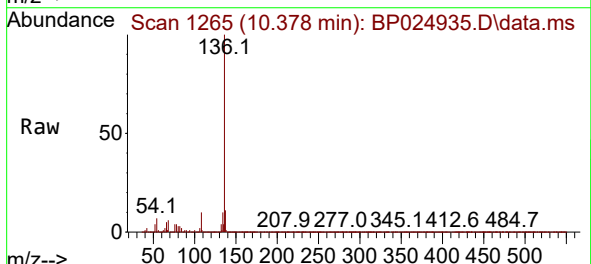
Instrument :
BNA_P
ClientSampleId :
TP-3

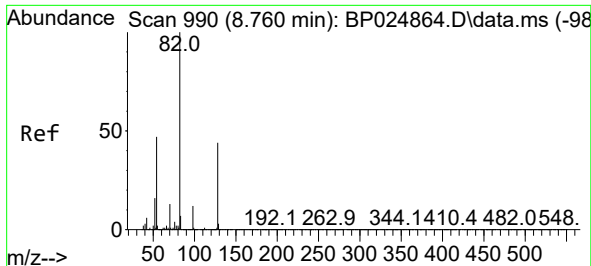
Tgt Ion: 99 Resp: 1757156
Ion Ratio Lower Upper
99 100
42 16.1 13.4 20.2
71 34.7 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

Tgt Ion:136 Resp: 934236
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.2 6.1 9.1
68 5.6 4.6 7.0

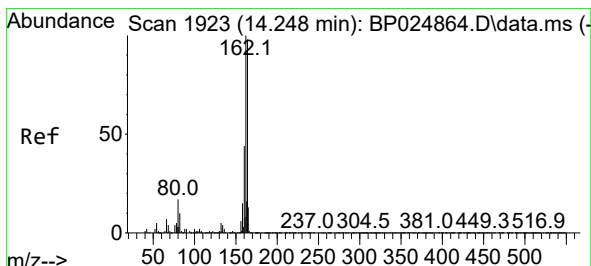
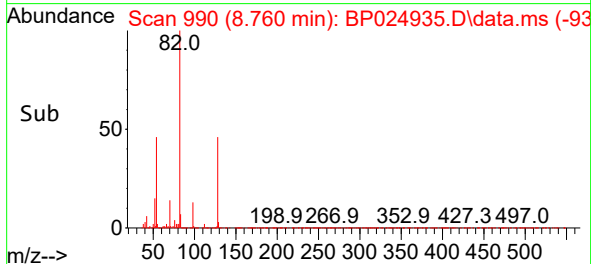
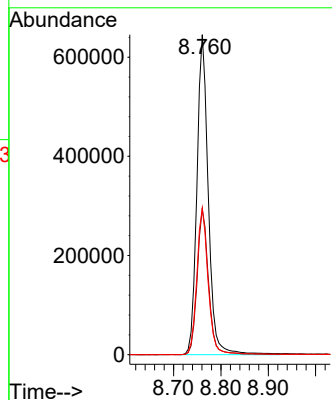
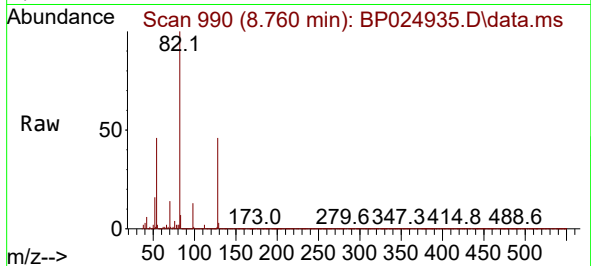




#23
Nitrobenzene-d5
Concen: 56.063 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

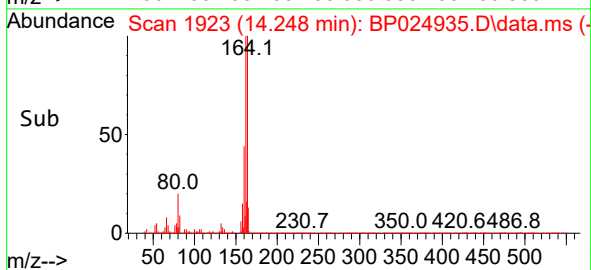
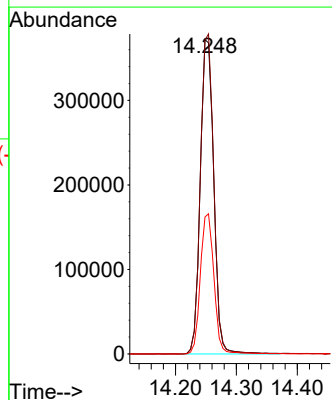
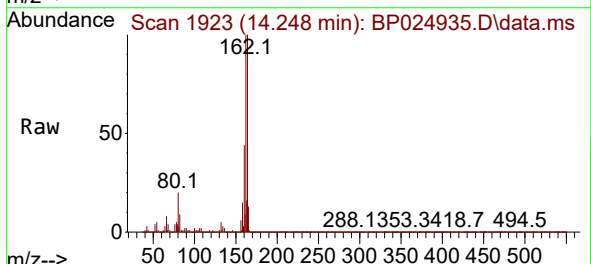
Instrument :
BNA_P
ClientSampleId :
TP-3

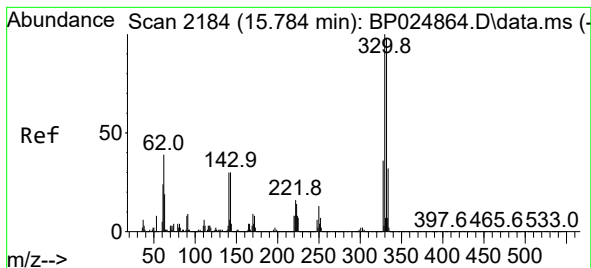
Tgt Ion: 82 Resp: 1077846
Ion Ratio Lower Upper
82 100
128 45.6 35.3 52.9
54 45.8 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

Tgt Ion:164 Resp: 571711
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 43.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 102.185 ng

RT: 15.784 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3

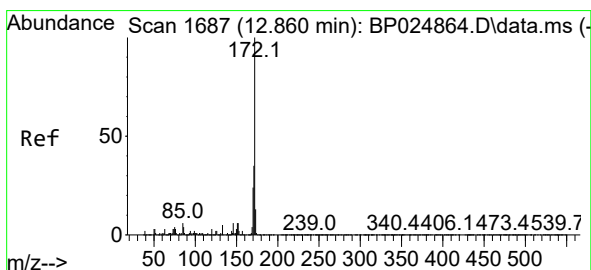
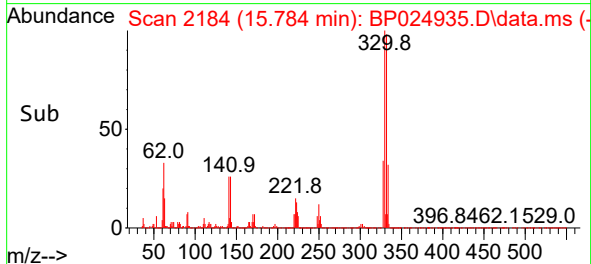
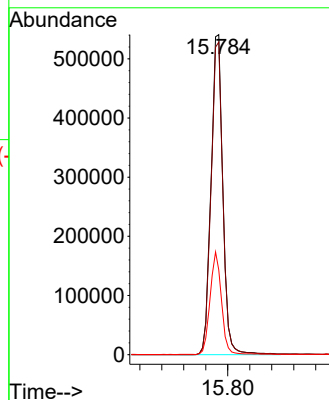
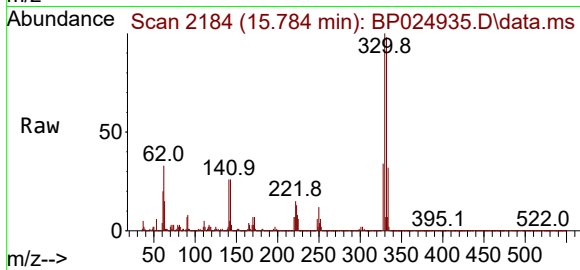
Tgt Ion:330 Resp: 807689

Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

141 30.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 52.983 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

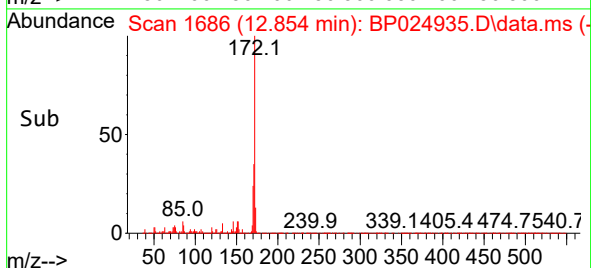
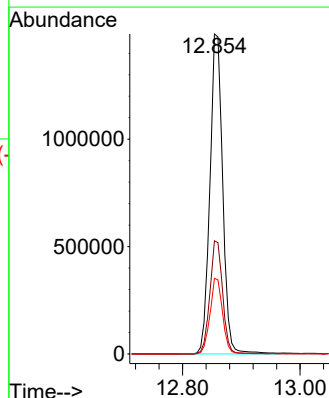
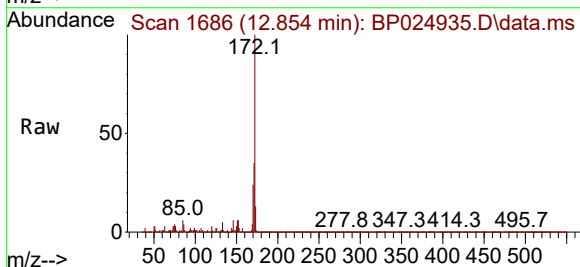
Tgt Ion:172 Resp: 2248560

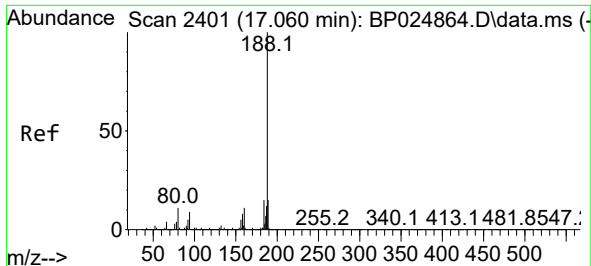
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.6 19.0 28.4

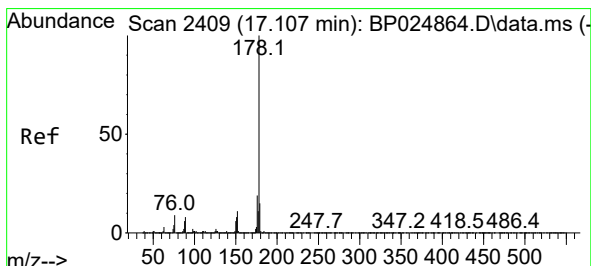
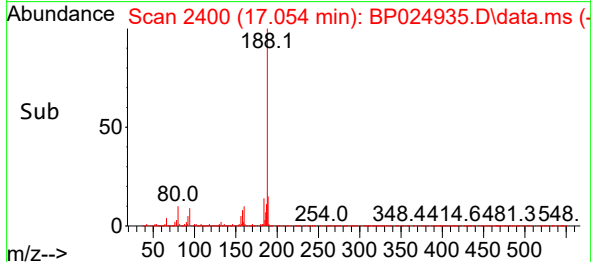
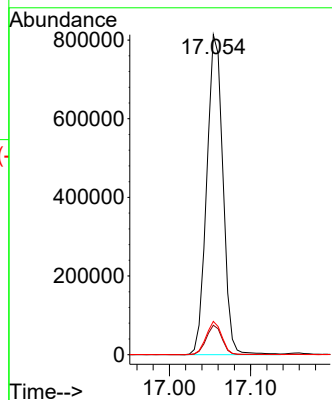
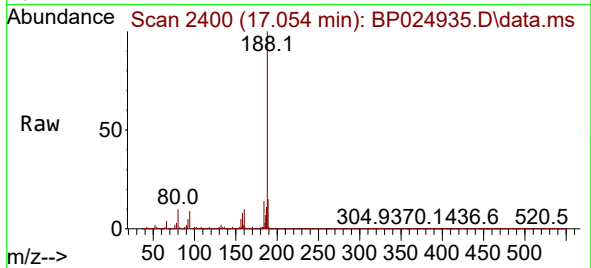




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

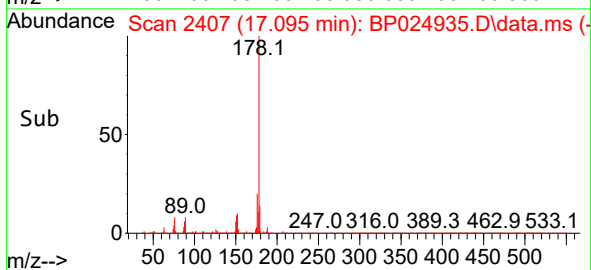
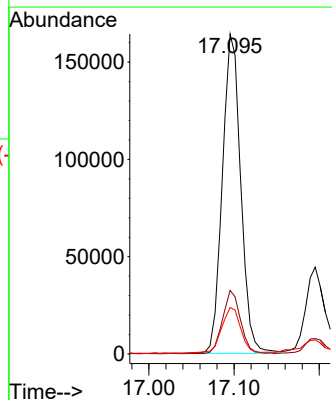
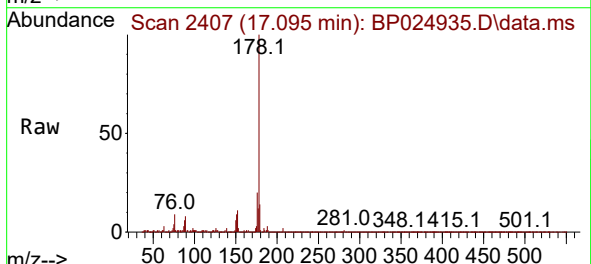
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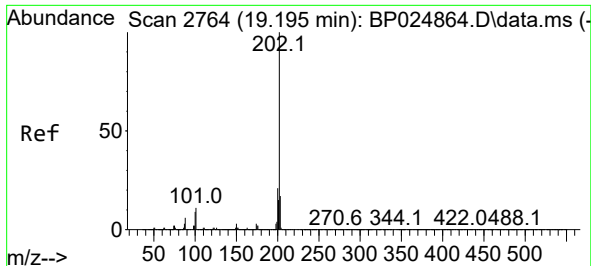
Tgt Ion:188 Resp: 1128042
Ion Ratio Lower Upper
188 100
94 9.2 7.3 10.9
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 3.947 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

Tgt Ion:178 Resp: 246065
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 14.5 12.1 18.1

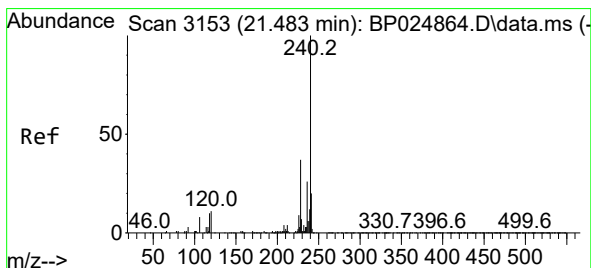
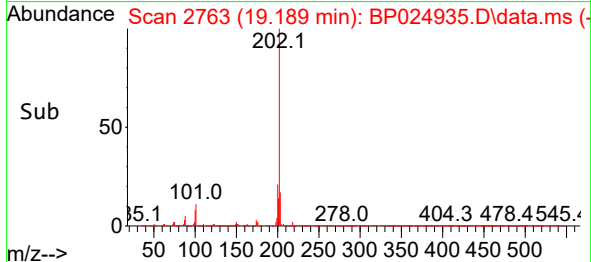
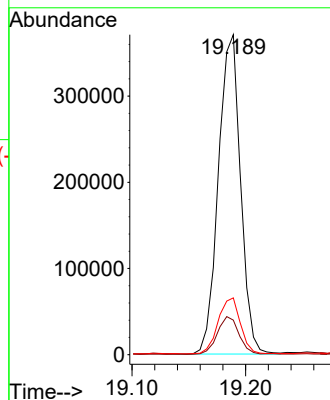
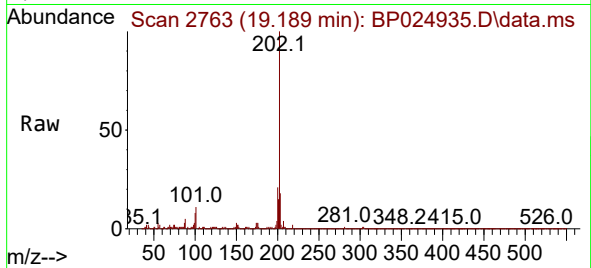




#75
Fluoranthene
Concen: 6.963 ng
RT: 19.189 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

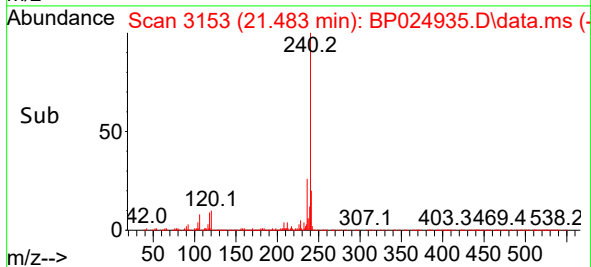
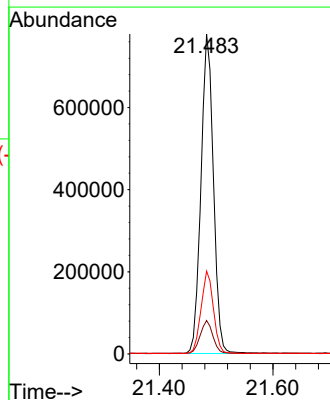
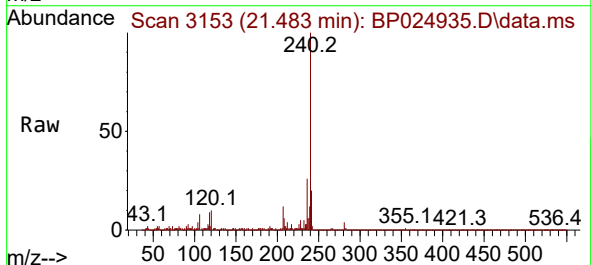
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BNA_P
ClientSampleId :
TP-3

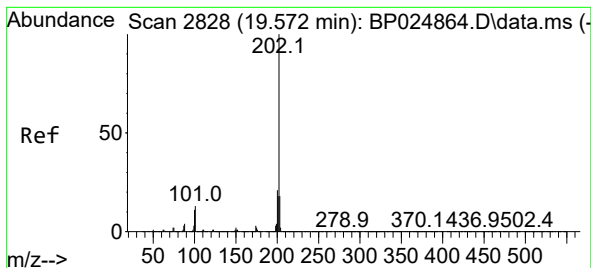
Tgt Ion:202 Resp: 503090
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024935.D
Acq: 12 Jun 2025 18:37

Tgt Ion:240 Resp: 1184375
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.9 20.9 31.3





#78

Pyrene

Concen: 6.961 ng

RT: 19.560 min Scan# 2826

Delta R.T. -0.012 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3

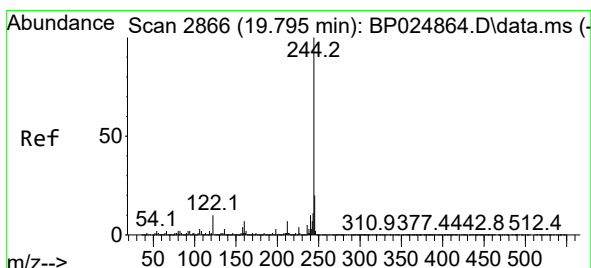
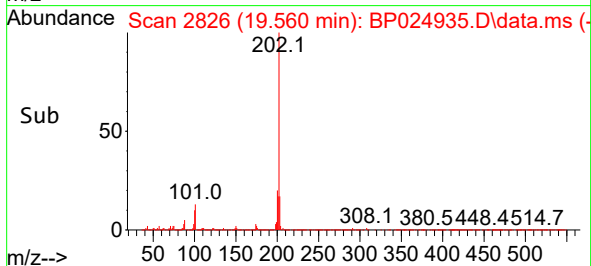
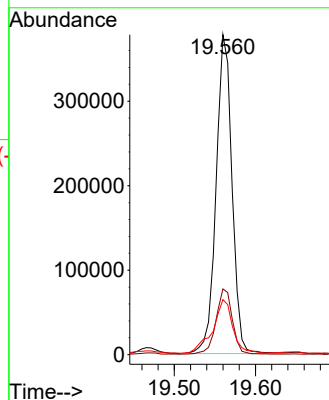
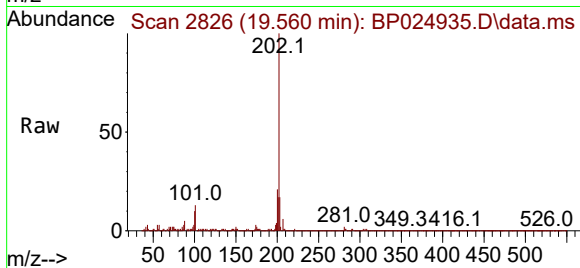
Tgt Ion:202 Resp: 515076

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 17.2 14.0 21.0



#79

Terphenyl-d14

Concen: 50.998 ng

RT: 19.777 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

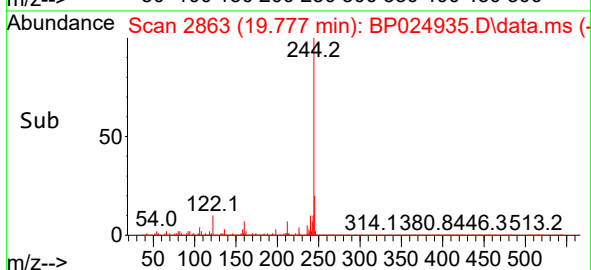
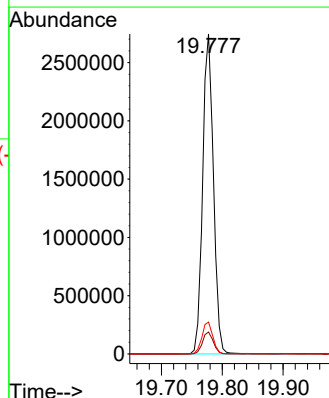
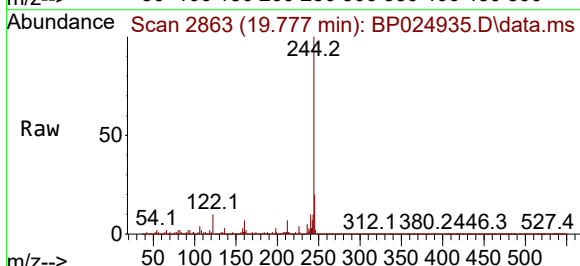
Tgt Ion:244 Resp: 3370104

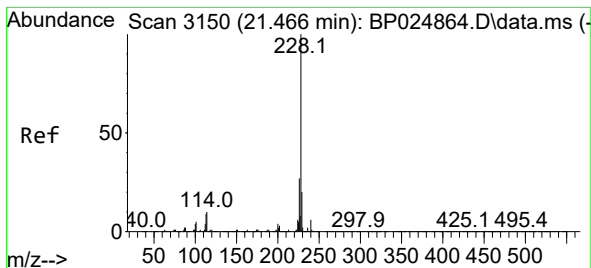
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.9 7.7 11.5





#81

Benzo(a)anthracene

Concen: 3.703 ng

RT: 21.466 min Scan# 3150

Delta R.T. -0.000 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3

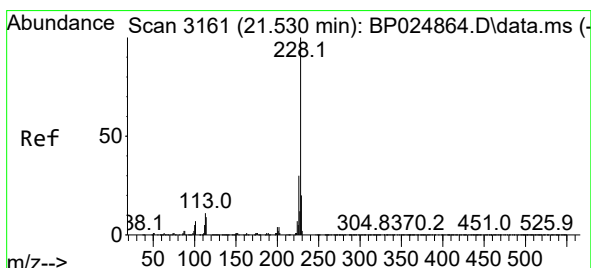
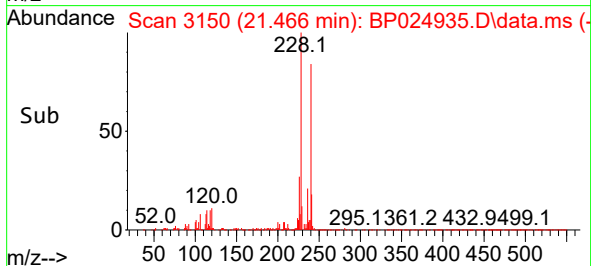
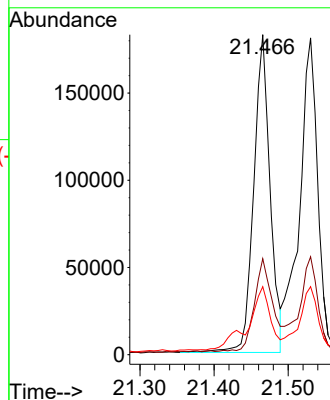
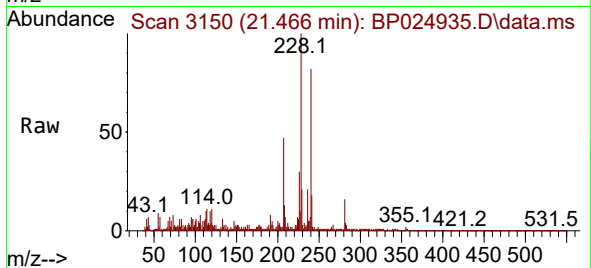
Tgt Ion:228 Resp: 280469

Ion Ratio Lower Upper

228 100

226 30.0 22.1 33.1

229 21.3 15.9 23.9



#83

Chrysene

Concen: 4.326 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.000 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

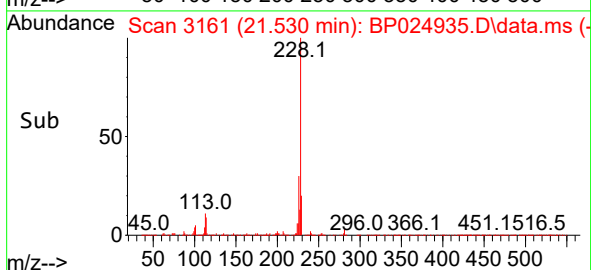
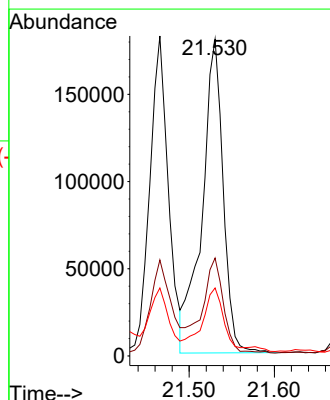
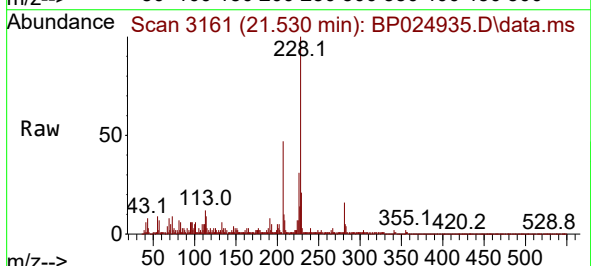
Tgt Ion:228 Resp: 310534

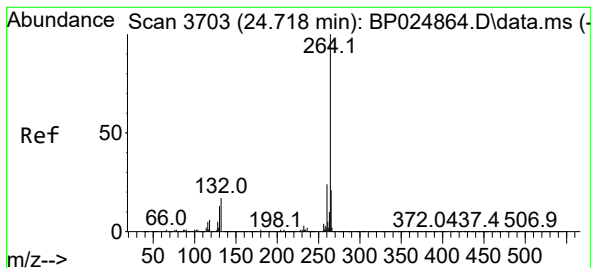
Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

229 21.5 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.748 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3

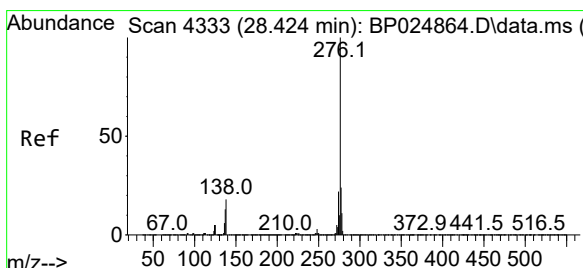
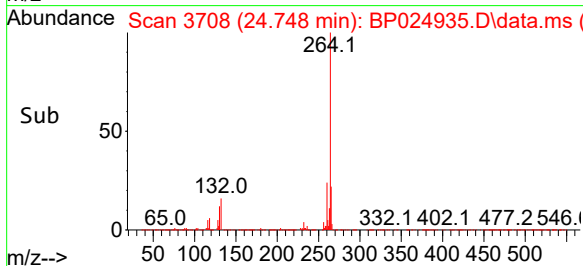
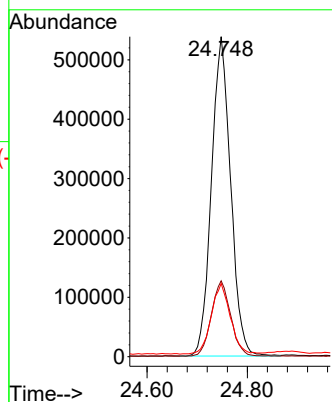
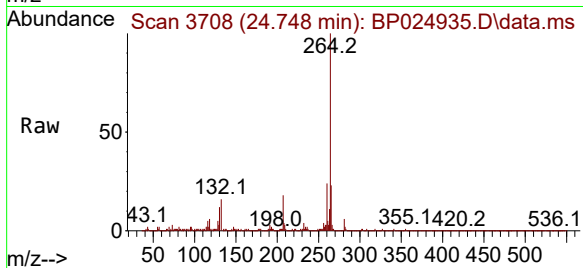
Tgt Ion:264 Resp: 1429348

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.814 ng

RT: 28.453 min Scan# 4338

Delta R.T. 0.029 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

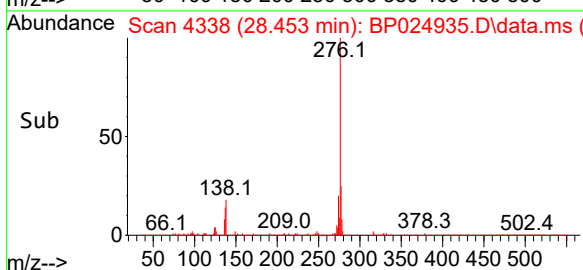
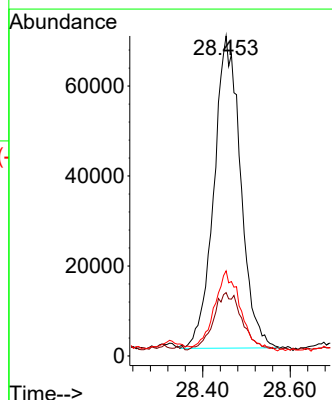
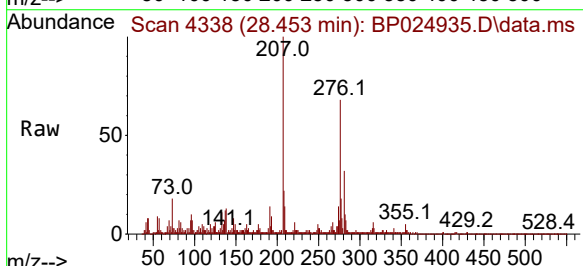
Tgt Ion:276 Resp: 293474

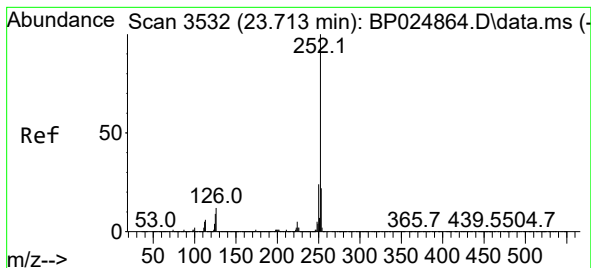
Ion Ratio Lower Upper

276 100

138 19.7 18.6 27.8

277 25.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.725 ng

RT: 23.724 min Scan# 3

Delta R.T. 0.012 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3

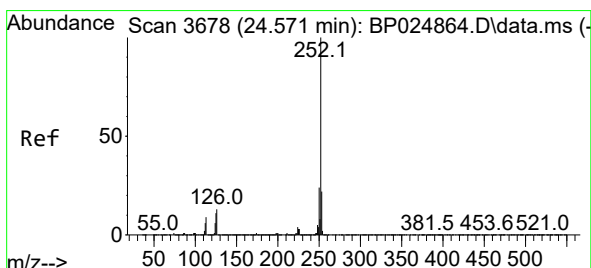
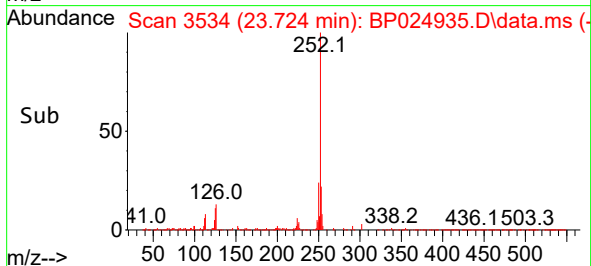
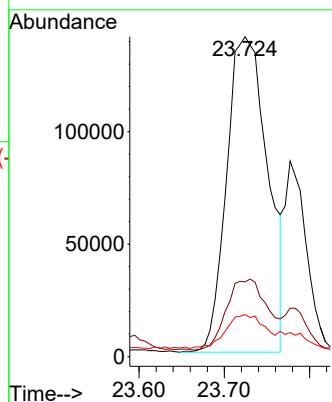
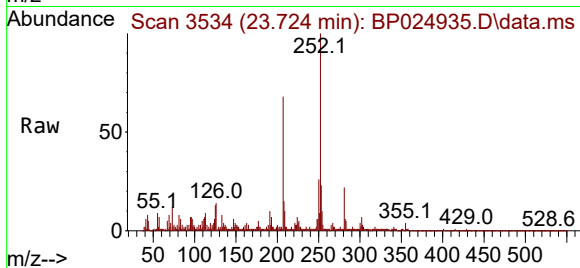
Tgt Ion:252 Resp: 468294

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 13.2 7.1 10.7#



#90

Benzo(a)pyrene

Concen: 4.566 ng

RT: 24.589 min Scan# 3681

Delta R.T. 0.018 min

Lab File: BP024935.D

Acq: 12 Jun 2025 18:37

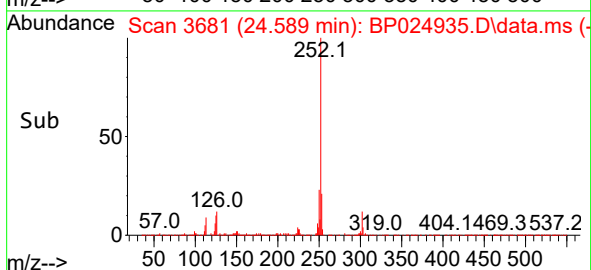
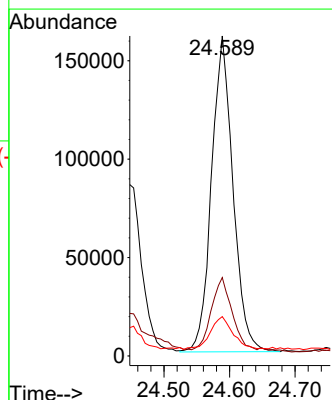
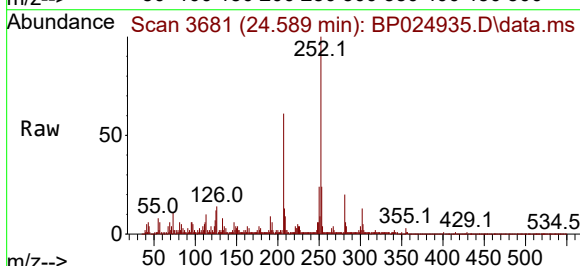
Tgt Ion:252 Resp: 364758

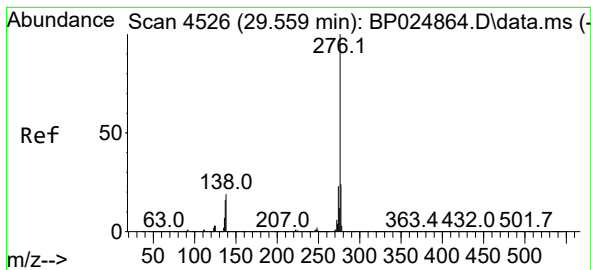
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 12.3 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.713 ng

RT: 29.606 min Scan# 4

Delta R.T. 0.047 min

Lab File: BP024935.D

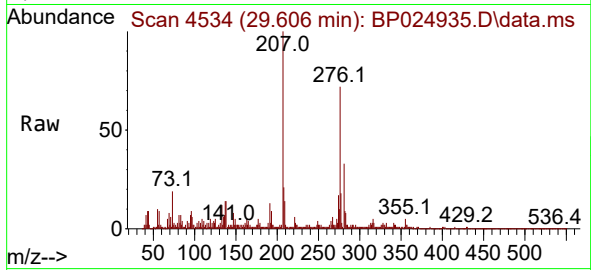
Acq: 12 Jun 2025 18:37

Instrument :

BNA_P

ClientSampleId :

TP-3



Tgt Ion: 276 Resp: 312704

Ion Ratio Lower Upper

276 100

277 25.5 19.1 28.7

138 19.8 15.4 23.2

