

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142978.D
 Acq On : 02 Jul 2025 18:50
 Operator : RC/JU
 Sample : Q2458-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-76

Quant Time: Jul 03 01:07:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

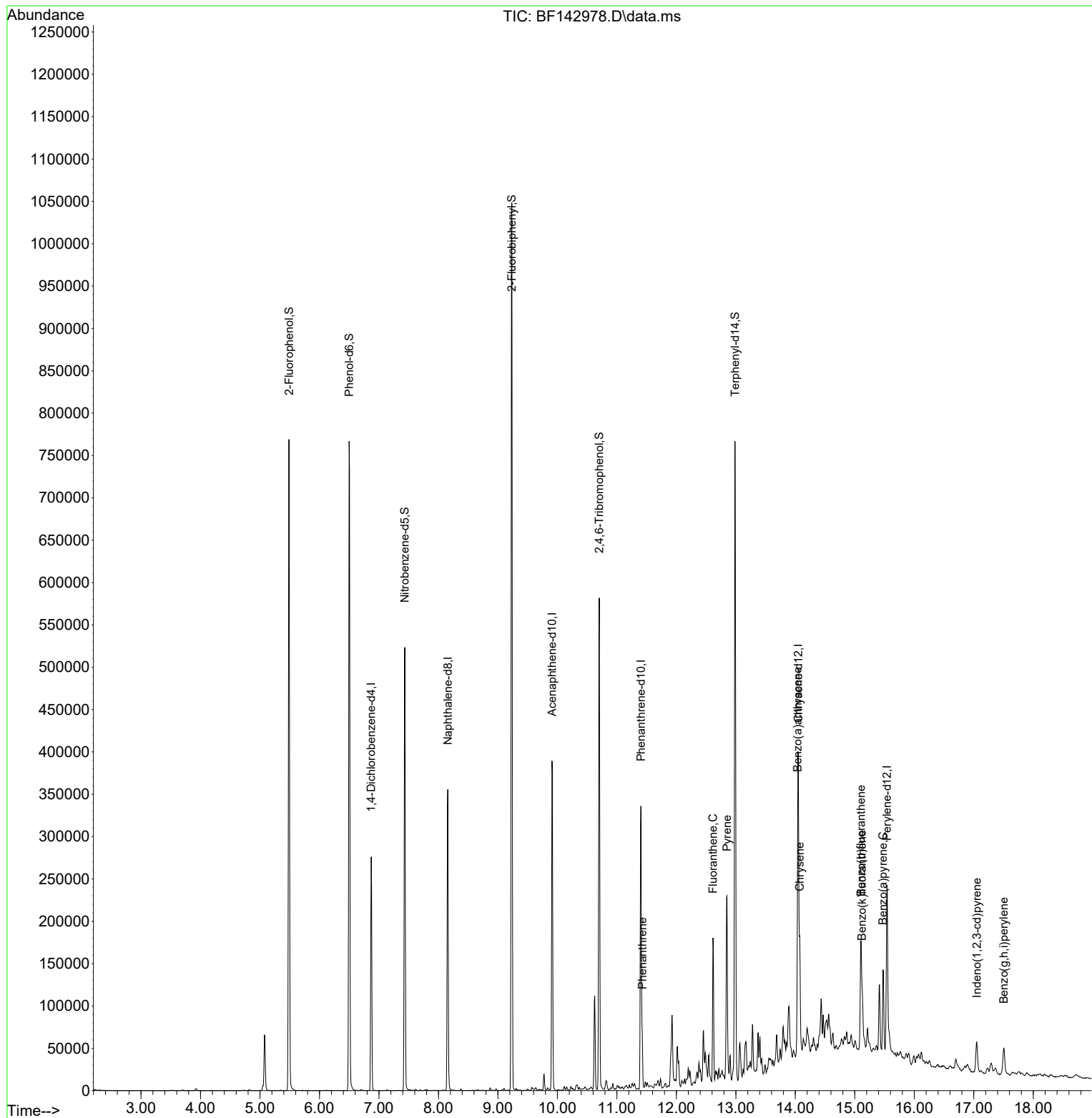
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60838	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	230820	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	119279	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	177718	20.000	ng	0.00
76) Chrysene-d12	14.051	240	132715	20.000	ng	0.00
86) Perylene-d12	15.539	264	116845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293577	80.342	ng	0.00
7) Phenol-d6	6.498	99	357056	82.822	ng	-0.01
23) Nitrobenzene-d5	7.434	82	217595	51.708	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	97453	79.394	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	485442	53.464	ng	-0.01
79) Terphenyl-d14	12.986	244	354954	36.954	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	34643	3.599	ng	99
75) Fluoranthene	12.616	202	94671	10.362	ng	99
78) Pyrene	12.851	202	130704	10.507	ng	99
81) Benzo(a)anthracene	14.039	228	78067	8.720	ng	93
83) Chrysene	14.074	228	70229	8.791	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	26510	2.979	ng	# 93
88) Benzo(b)fluoranthene	15.104	252	82289m	12.171	ng	
89) Benzo(k)fluoranthene	15.121	252	24002m	3.794	ng	
90) Benzo(a)pyrene	15.474	252	55182	8.448	ng	98
92) Benzo(g,h,i)perylene	17.503	276	29453	4.085	ng	97

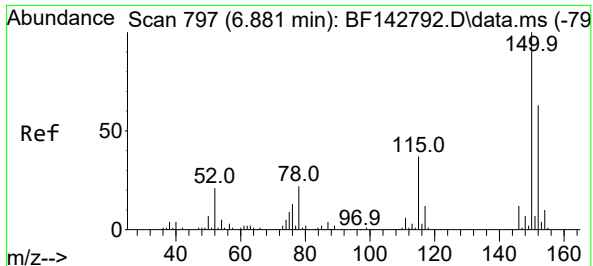
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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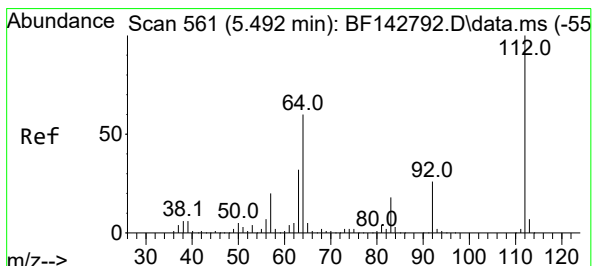
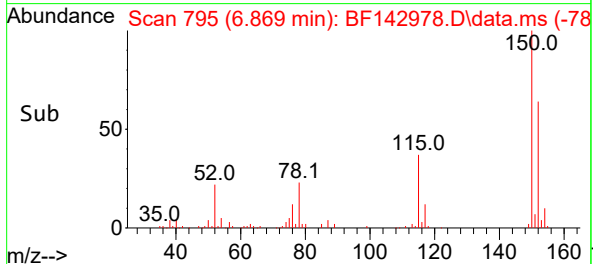
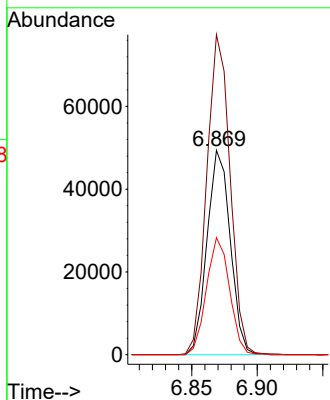
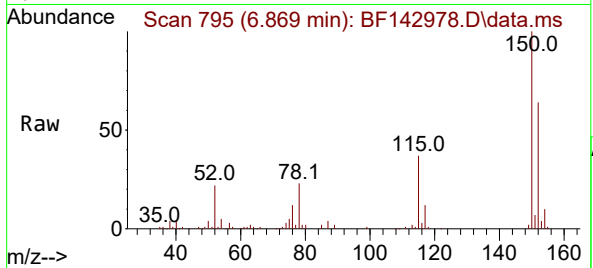




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

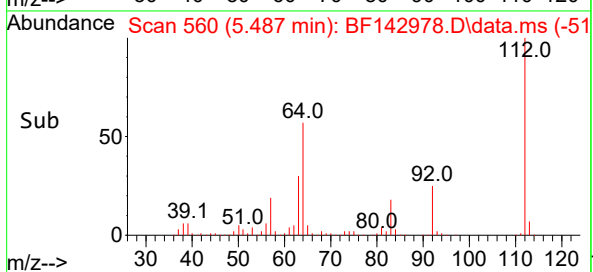
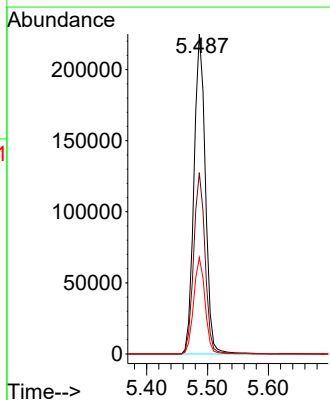
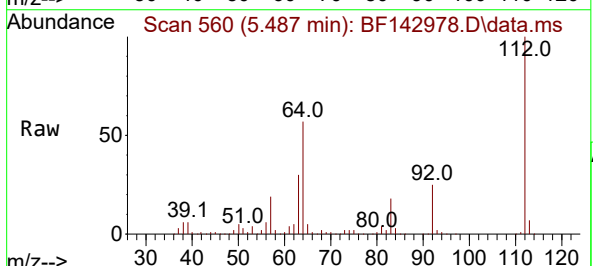
Instrument :
BNA_F
ClientSampleId :
TP-76

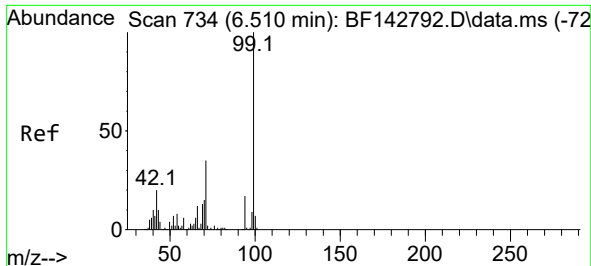
Tgt Ion:152 Resp: 60838
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 57.2 46.6 69.8



#5
2-Fluorophenol
Concen: 80.342 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:112 Resp: 293577
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.1 25.7 38.5

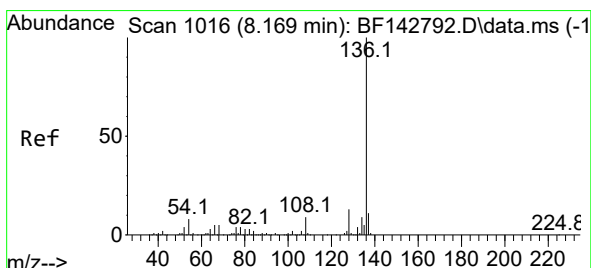
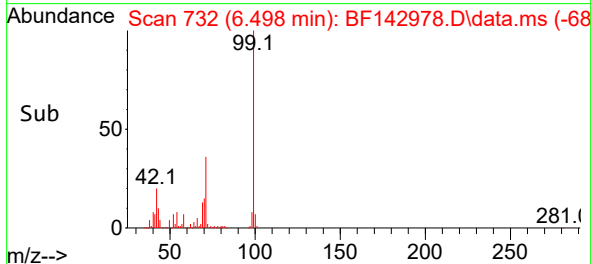
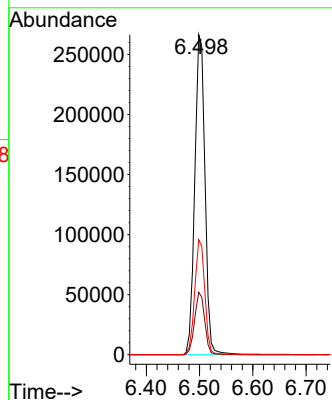
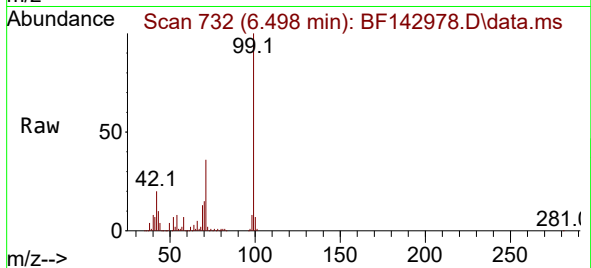




#7
Phenol-d6
Concen: 82.822 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

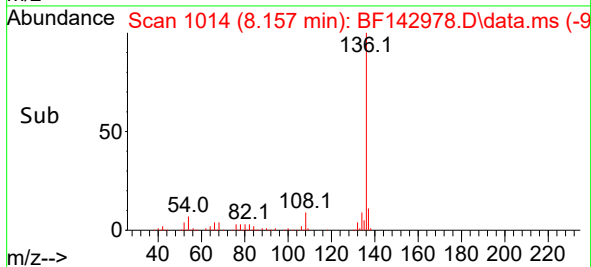
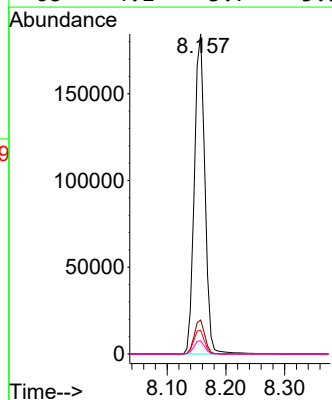
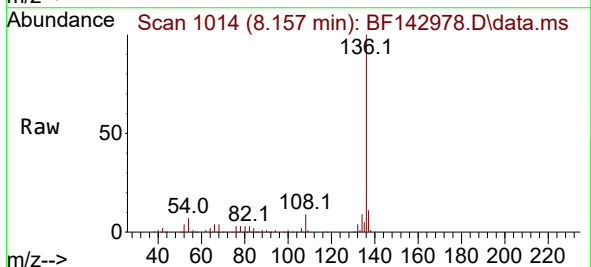
Instrument :
BNA_F
ClientSampleId :
TP-76

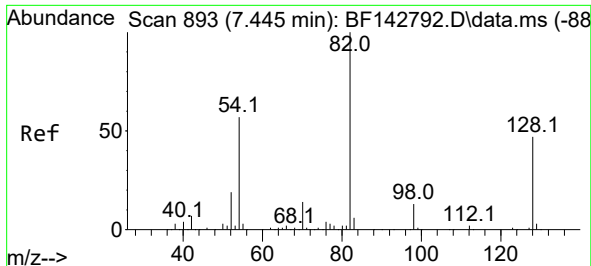
Tgt Ion: 99 Resp: 357056
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 35.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion: 136 Resp: 230820
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.3 6.3 9.5
68 4.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 51.708 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

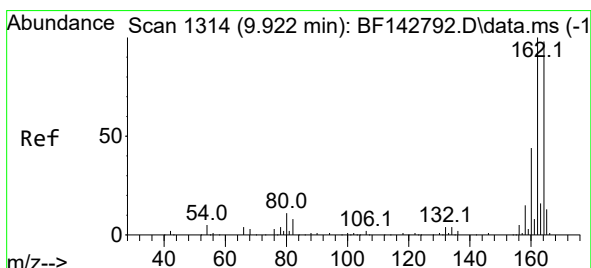
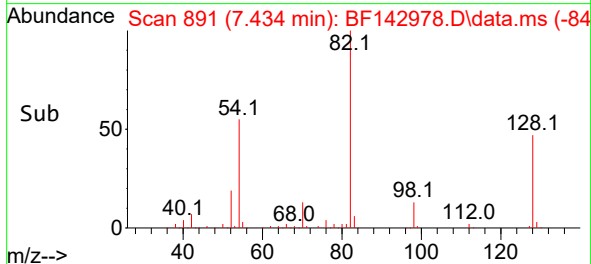
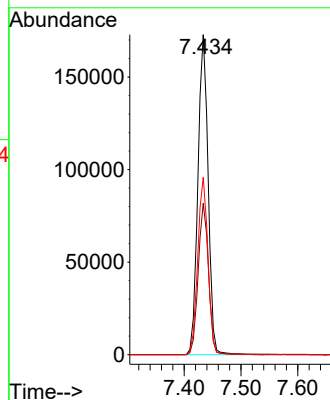
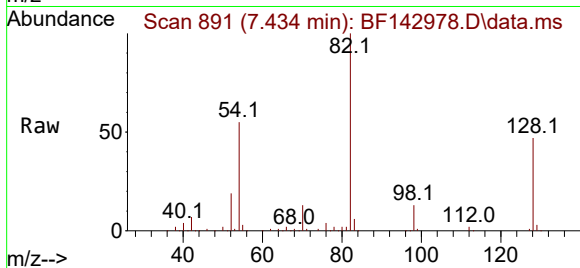
Tgt Ion: 82 Resp: 217595

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 55.4 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

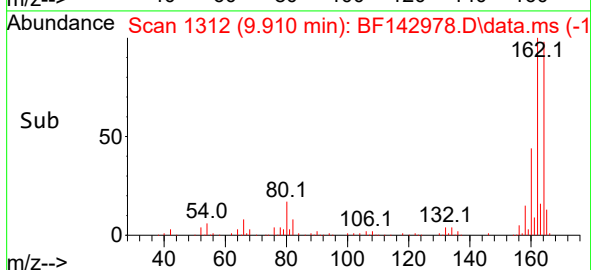
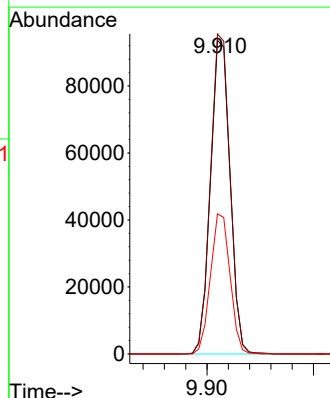
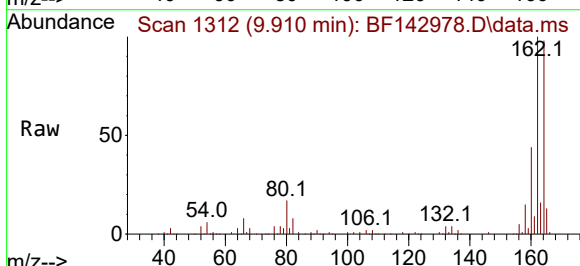
Tgt Ion:164 Resp: 119279

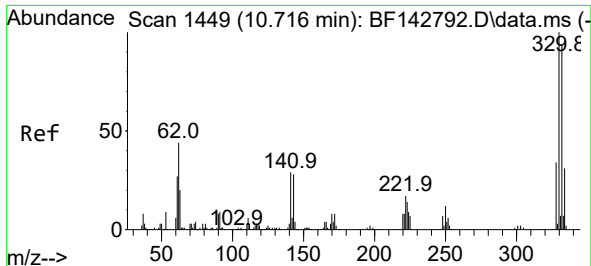
Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.8

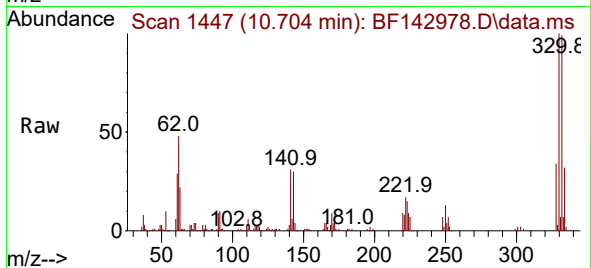
160 44.7 36.0 54.0



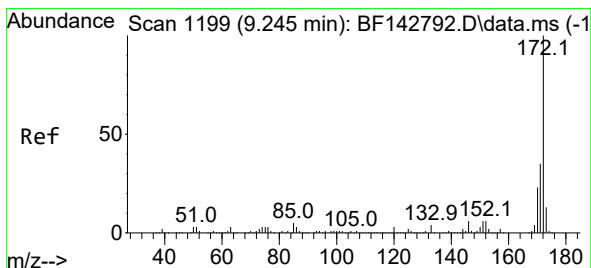
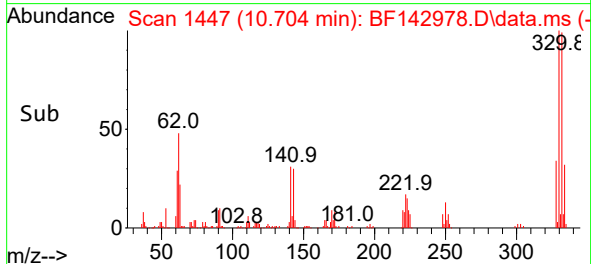
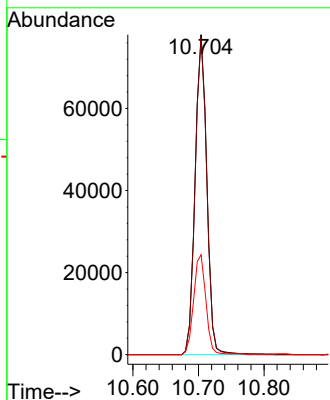


#42
2,4,6-Tribromophenol
Concen: 79.394 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-76

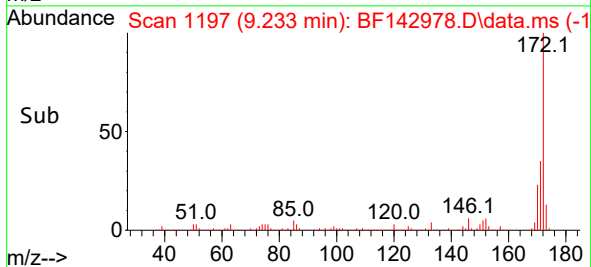
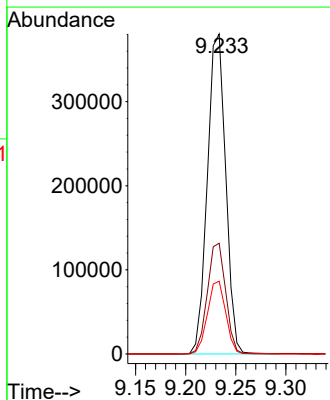
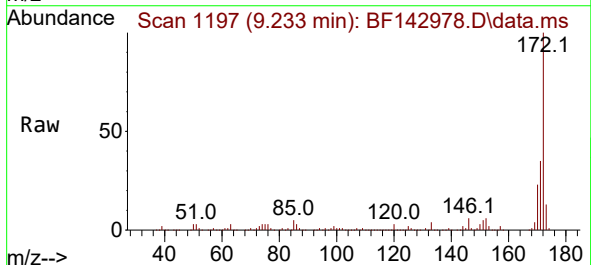


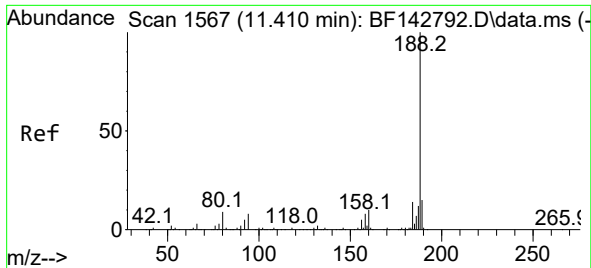
Tgt Ion: 330 Resp: 97453
Ion Ratio Lower Upper
330 100
332 98.6 75.0 112.6
141 32.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 53.464 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion: 172 Resp: 485442
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.7 18.5 27.7

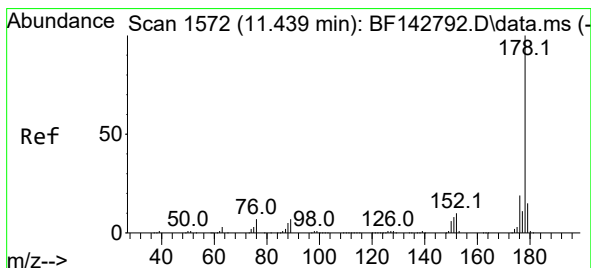
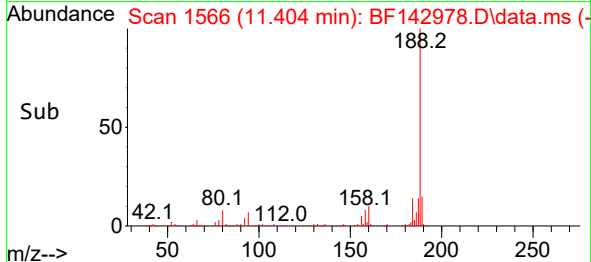
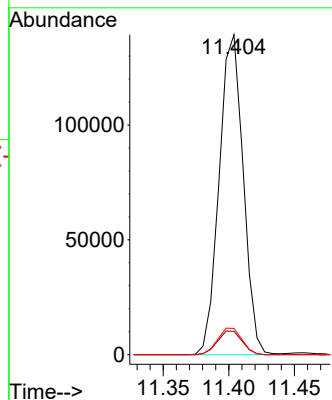
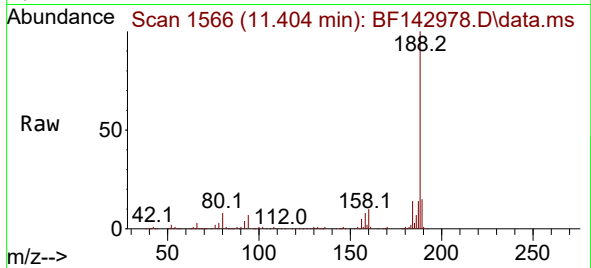




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

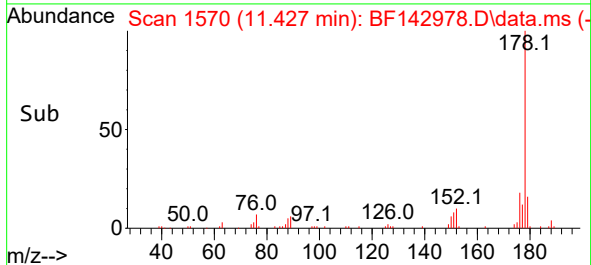
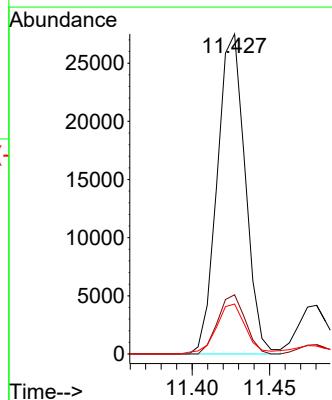
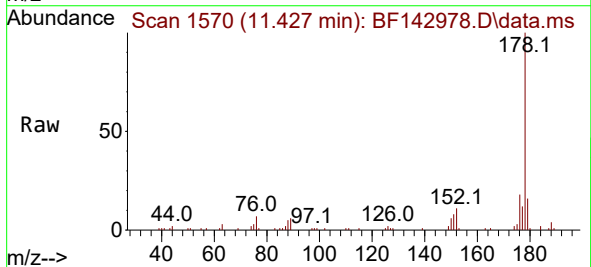
Instrument :
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ClientSampleId :
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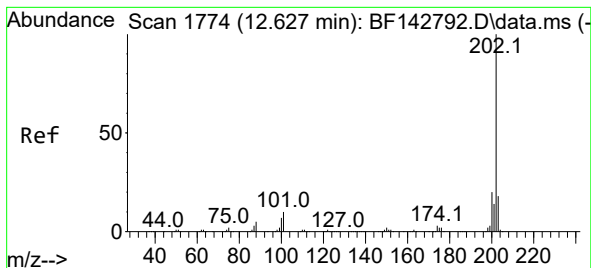
Tgt Ion:188 Resp: 177718
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.2 6.9 10.3



#71
Phenanthrene
Concen: 3.599 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:178 Resp: 34643
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.6 12.0 18.0





#75

Fluoranthene

Concen: 10.362 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

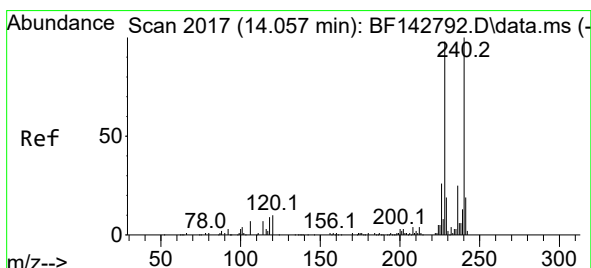
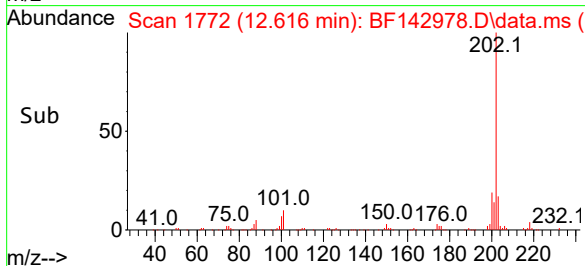
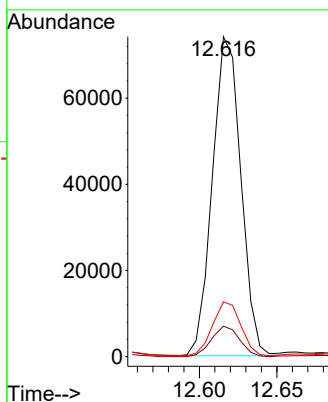
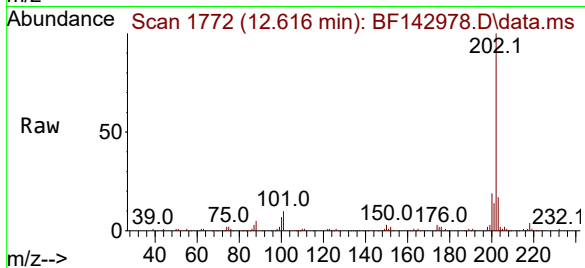
Tgt Ion:202 Resp: 94671

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 17.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

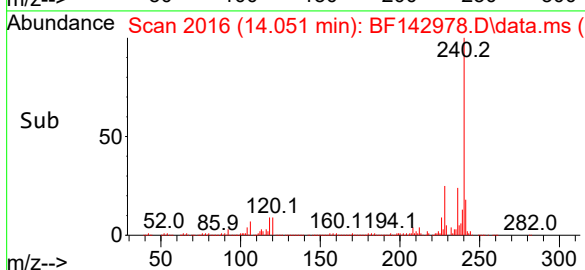
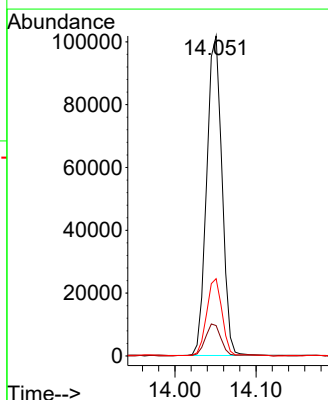
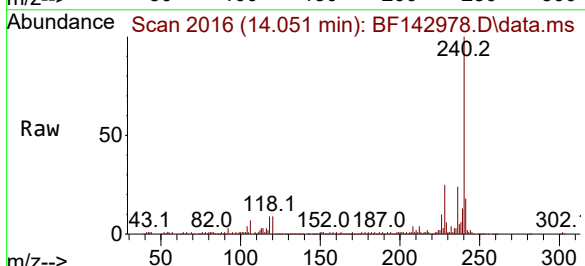
Tgt Ion:240 Resp: 132715

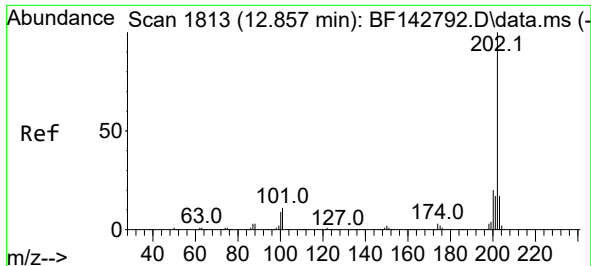
Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.2

236 24.2 19.8 29.8

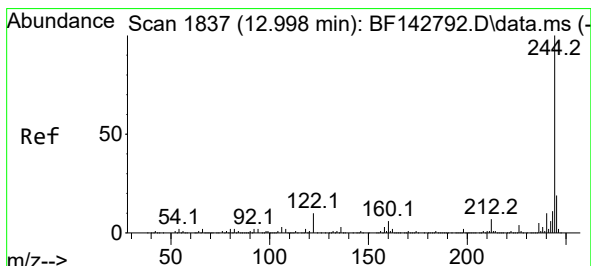
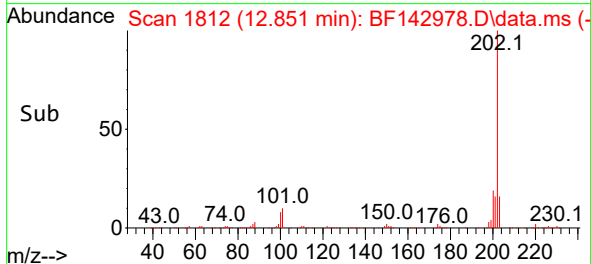
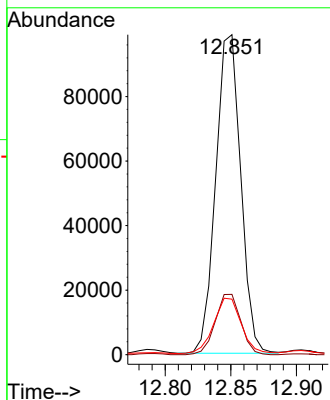
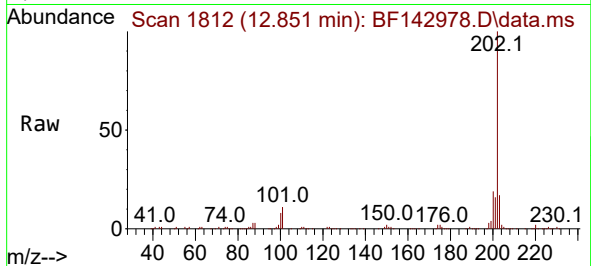




#78
Pyrene
Concen: 10.507 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

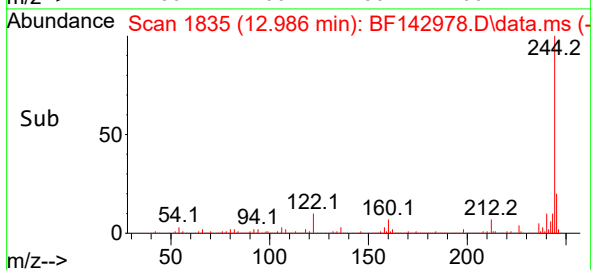
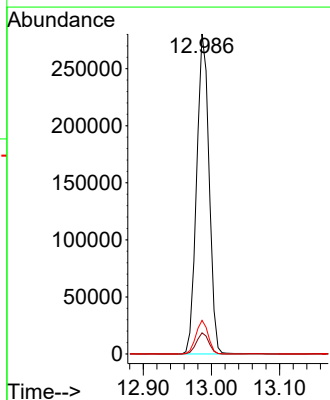
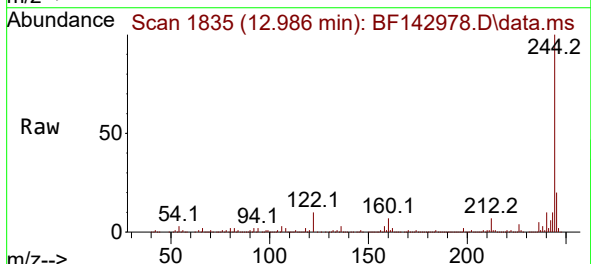
Instrument :
BNA_F
ClientSampleId :
TP-76

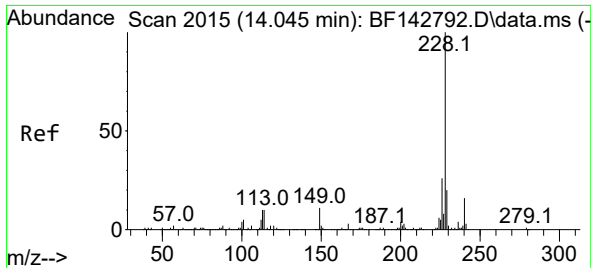
Tgt Ion:202 Resp: 130704
Ion Ratio Lower Upper
202 100
200 18.9 15.7 23.5
203 17.3 13.8 20.6



#79
Terphenyl-d14
Concen: 36.954 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:244 Resp: 354954
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.5 8.2 12.2





#81

Benzo(a)anthracene

Concen: 8.720 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

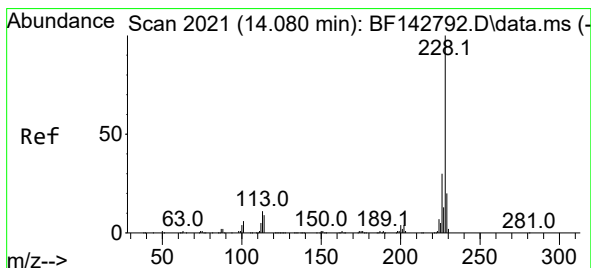
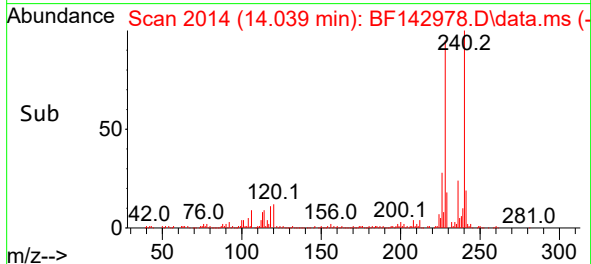
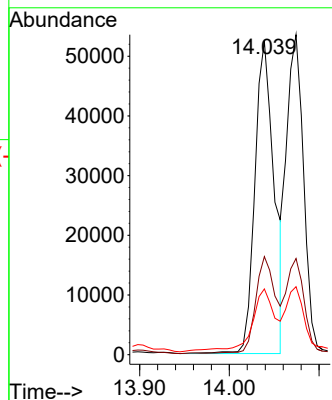
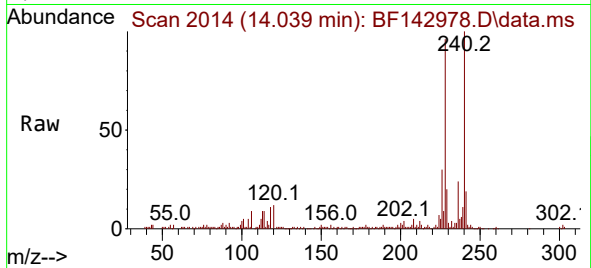
Tgt Ion:228 Resp: 78067

Ion Ratio Lower Upper

228 100

226 31.3 21.2 31.8

229 21.0 15.6 23.4



#83

Chrysene

Concen: 8.791 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

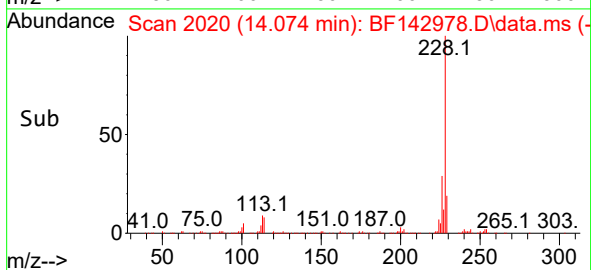
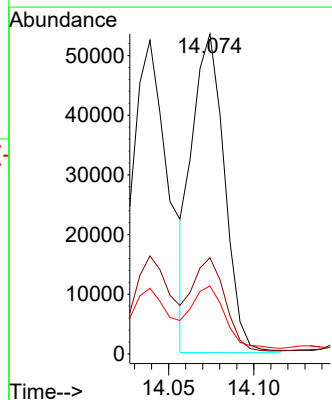
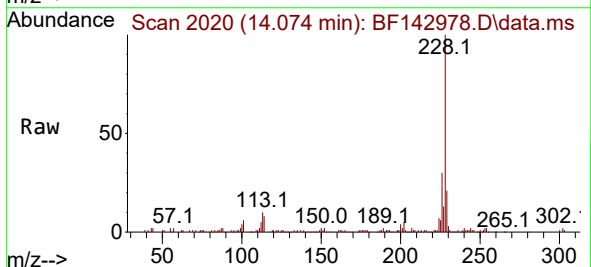
Tgt Ion:228 Resp: 70229

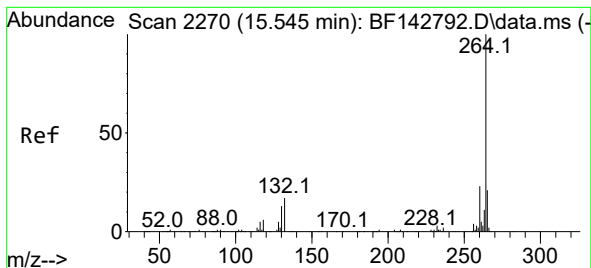
Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 21.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

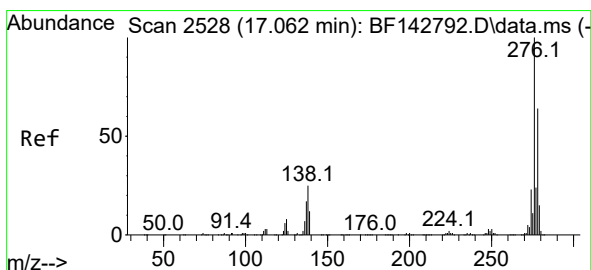
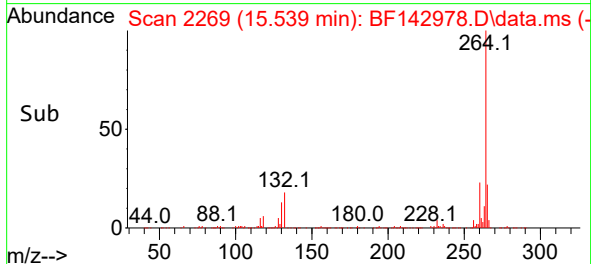
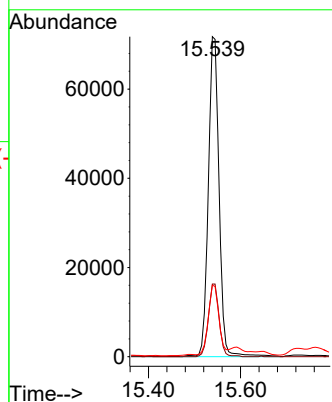
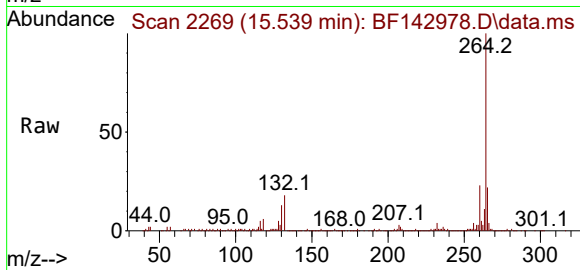
Tgt Ion:264 Resp: 116845

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 22.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.979 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

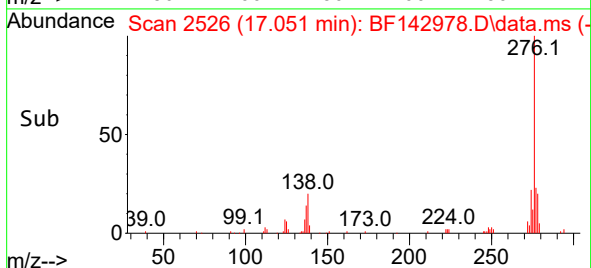
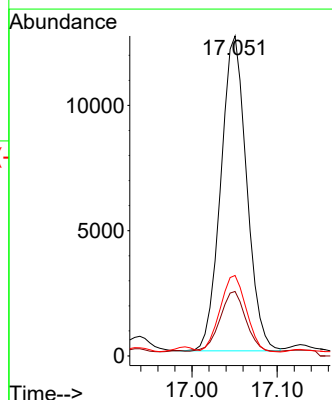
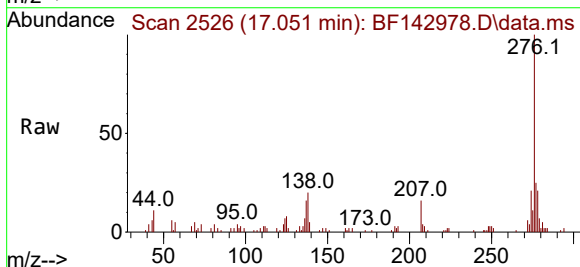
Tgt Ion:276 Resp: 26510

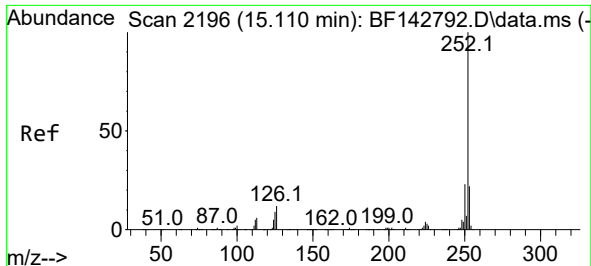
Ion Ratio Lower Upper

276 100

138 18.8 20.2 30.4#

277 25.4 19.8 29.6

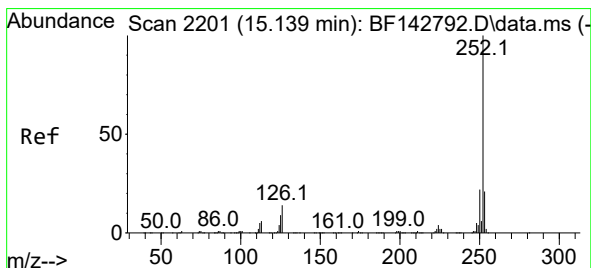
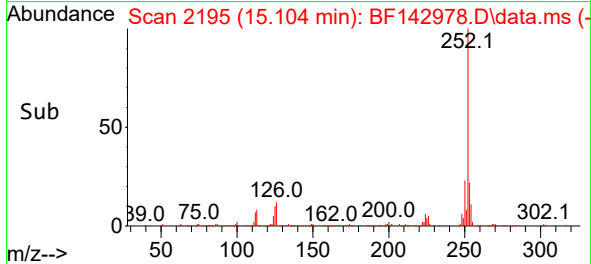
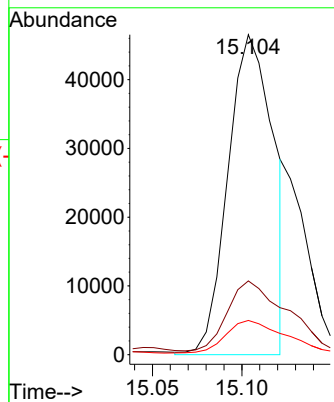
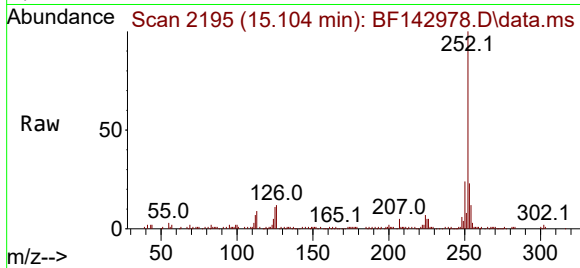




#88
Benzo(b)fluoranthene
Concen: 12.171 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

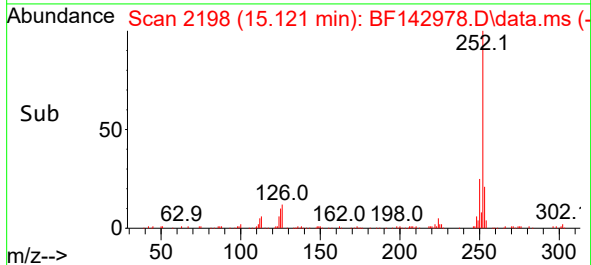
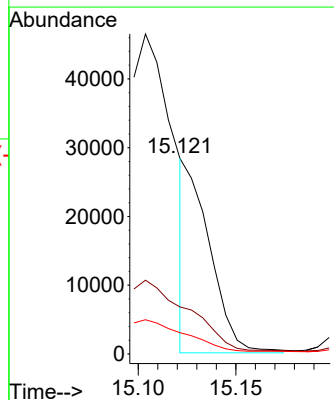
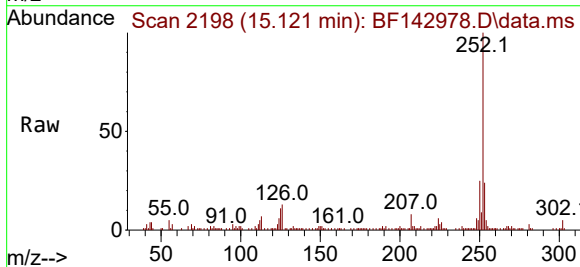
Instrument :
BNA_F
ClientSampleId :
TP-76

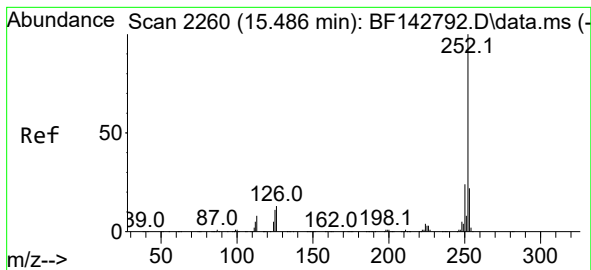
Tgt Ion:252 Resp: 82289
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 3.794 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142978.D
Acq: 02 Jul 2025 18:50

Tgt Ion:252 Resp: 24002
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 10.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 8.448 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-76

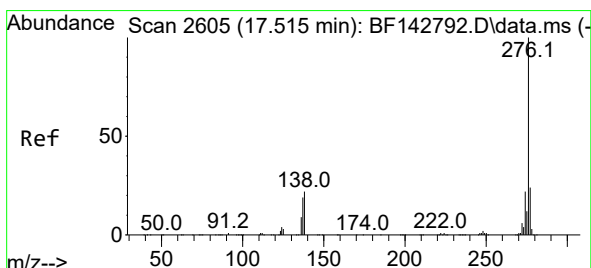
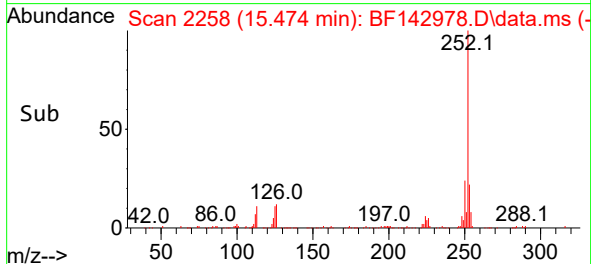
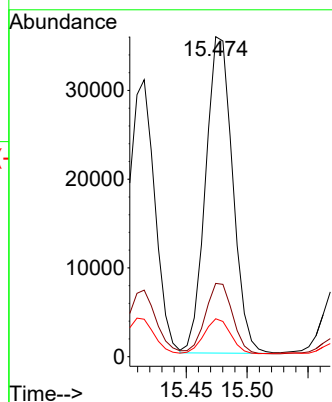
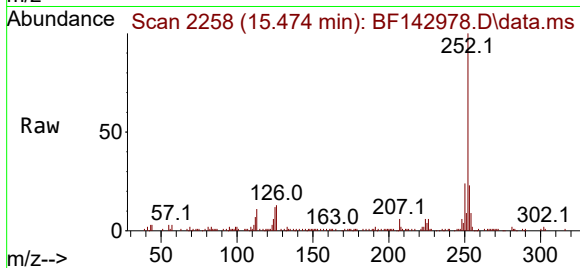
Tgt Ion:252 Resp: 55182

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.9 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 4.085 ng

RT: 17.503 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF142978.D

Acq: 02 Jul 2025 18:50

Tgt Ion:276 Resp: 29453

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.0 17.6 26.4

