

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143010.D
 Acq On : 07 Jul 2025 15:48
 Operator : RC/JU
 Sample : Q2487-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G2(6-12)

Quant Time: Jul 07 16:15:45 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)

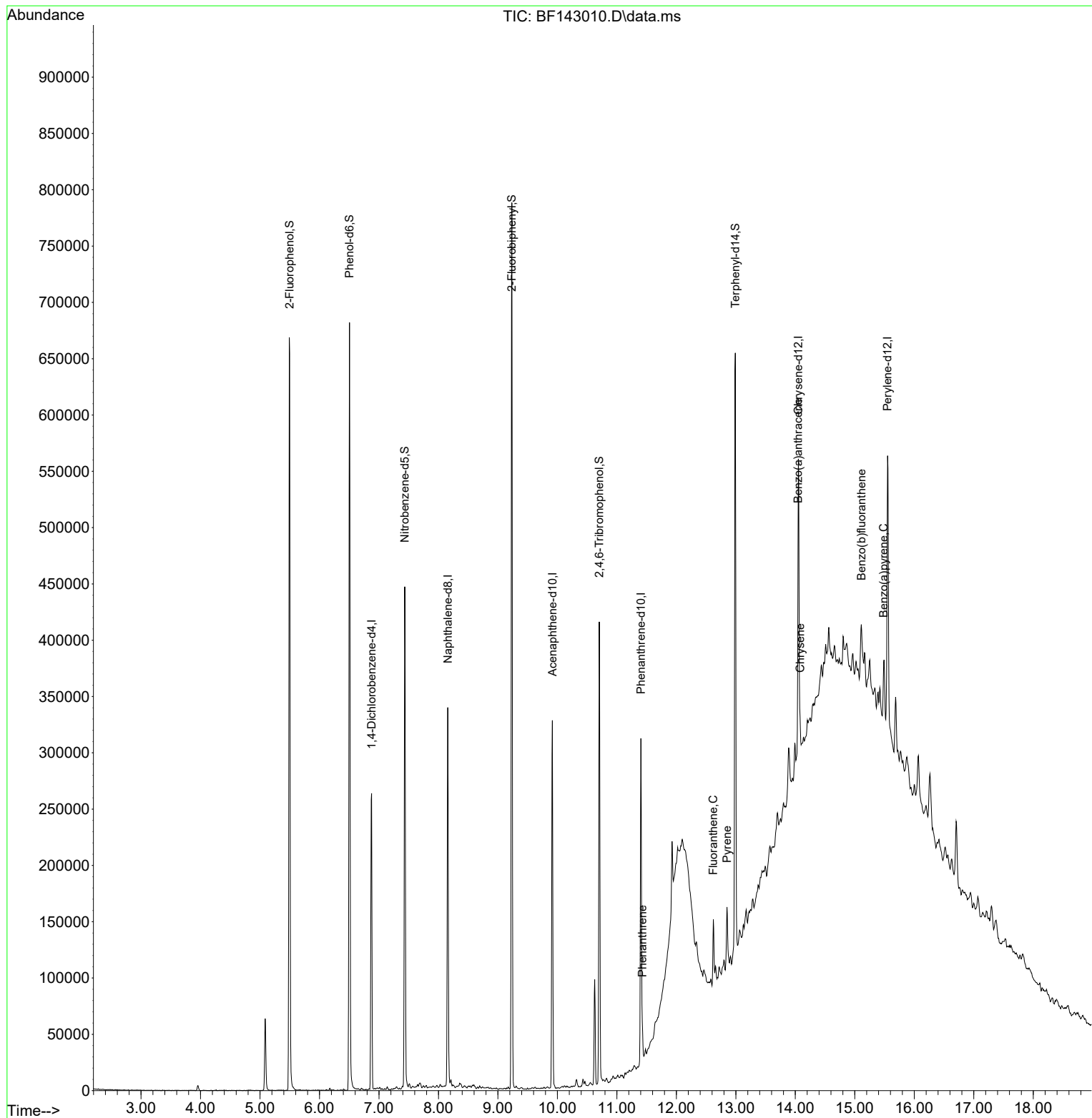
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59682	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	212123	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	99522	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147264	20.000	ng	0.00
76) Chrysene-d12	14.051	240	121624	20.000	ng	0.00
86) Perylene-d12	15.551	264	143461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	268448	74.888	ng	0.00
7) Phenol-d6	6.504	99	312152	73.809	ng	0.00
23) Nitrobenzene-d5	7.433	82	190228	49.189	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	69586	67.945	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	349038	46.072	ng	-0.01
79) Terphenyl-d14	12.992	244	263047	29.883	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	16459	2.063	ng	98
75) Fluoranthene	12.621	202	30300	4.002	ng	98
78) Pyrene	12.851	202	28823	2.528	ng	96
81) Benzo(a)anthracene	14.045	228	19774	2.410	ng	# 85
83) Chrysene	14.080	228	22539	3.079	ng	# 90
88) Benzo(b)fluoranthene	15.109	252	25202m	3.036	ng	
90) Benzo(a)pyrene	15.486	252	17329	2.161	ng	# 73

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

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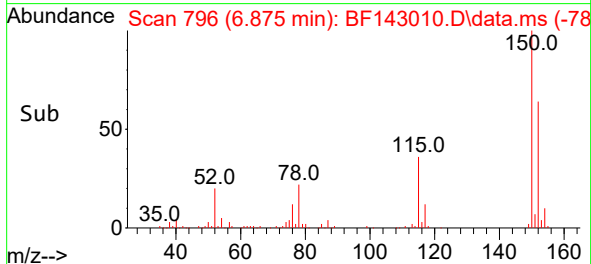
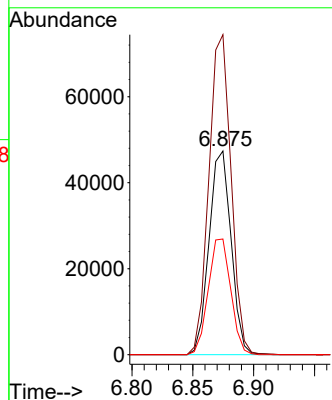
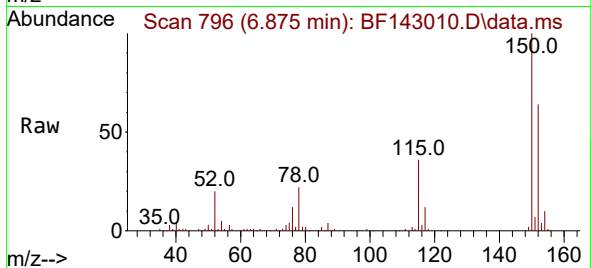




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

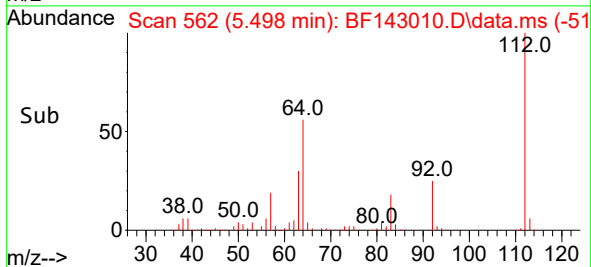
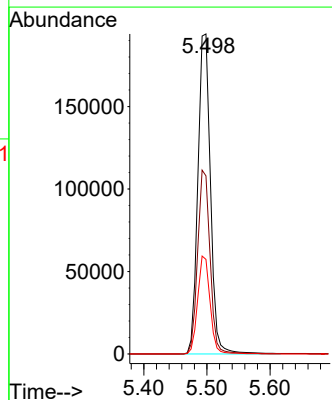
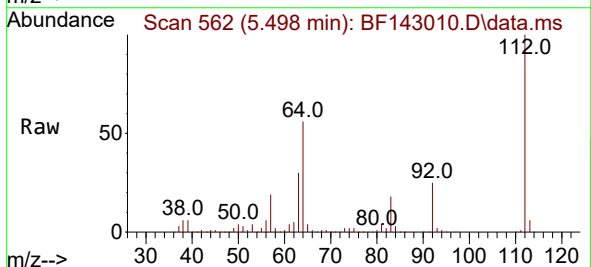
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

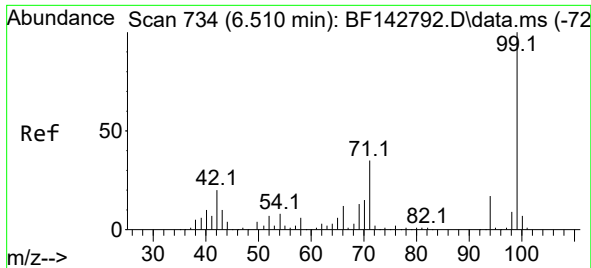
Tgt Ion:152 Resp: 59682
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 56.8 46.6 69.8



#5
2-Fluorophenol
Concen: 74.888 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion:112 Resp: 268448
Ion Ratio Lower Upper
112 100
64 55.7 48.2 72.2
63 29.5 25.7 38.5

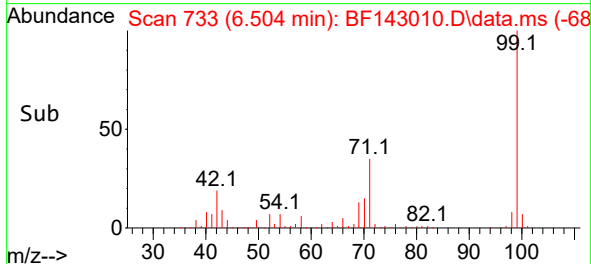
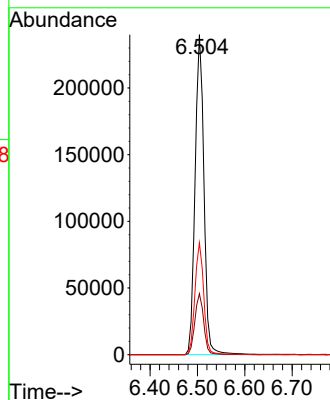
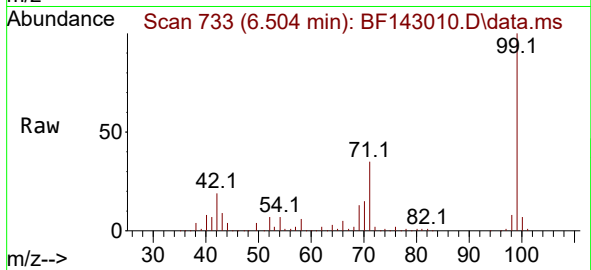




#7
Phenol-d6
Concen: 73.809 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

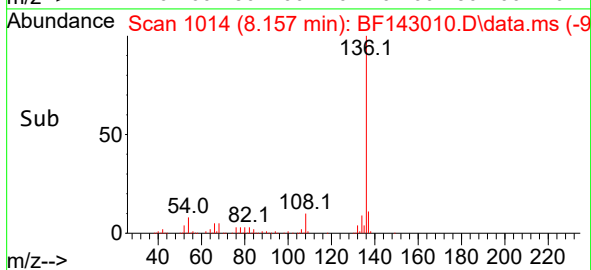
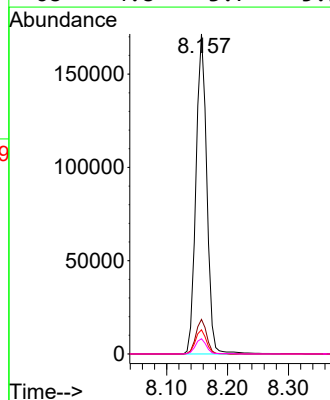
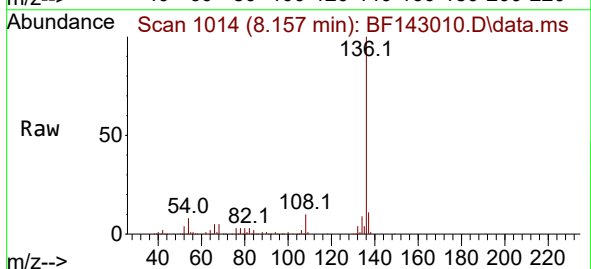
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

Tgt Ion: 99 Resp: 312152
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.9 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: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion: 136 Resp: 212123
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 49.189 ng

RT: 7.433 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

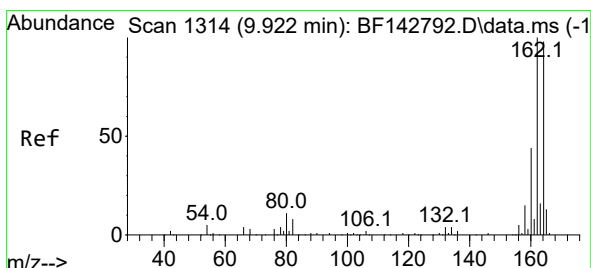
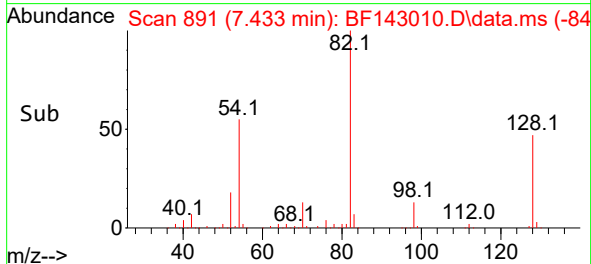
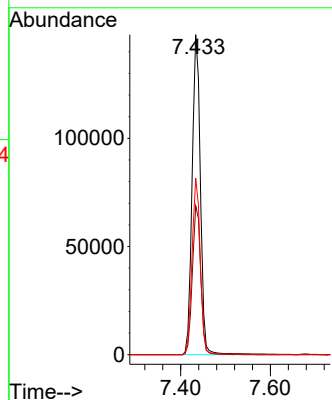
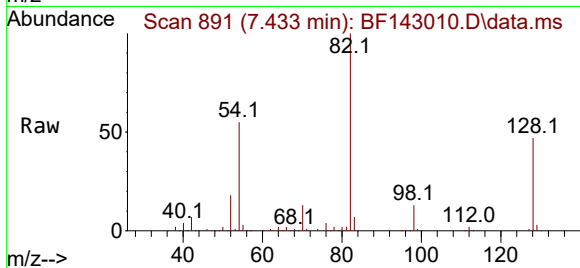
Tgt Ion: 82 Resp: 190228

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 55.1 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

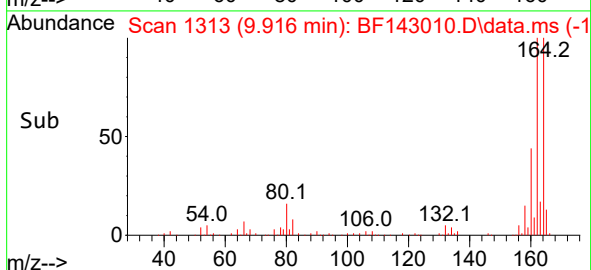
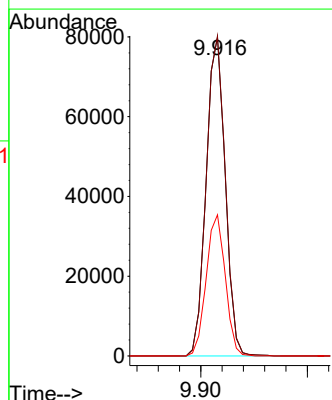
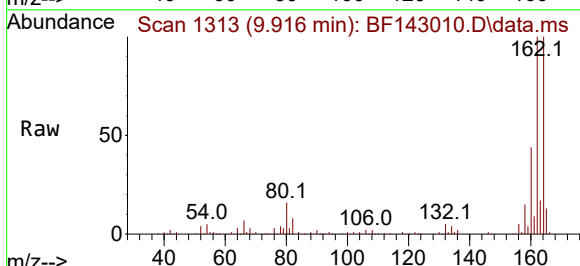
Tgt Ion:164 Resp: 99522

Ion Ratio Lower Upper

164 100

162 100.4 81.8 122.8

160 44.3 36.0 54.0

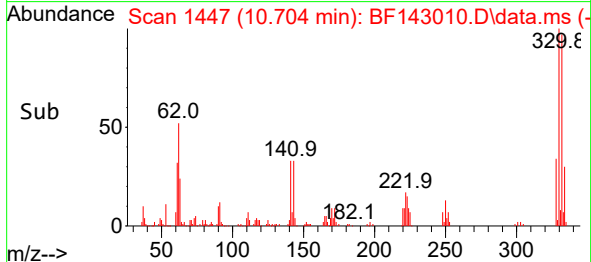
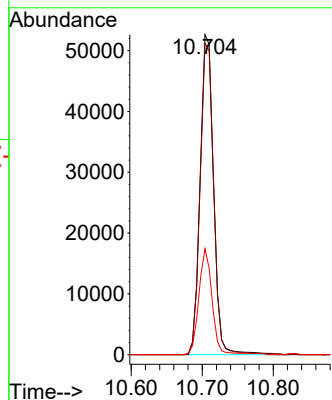
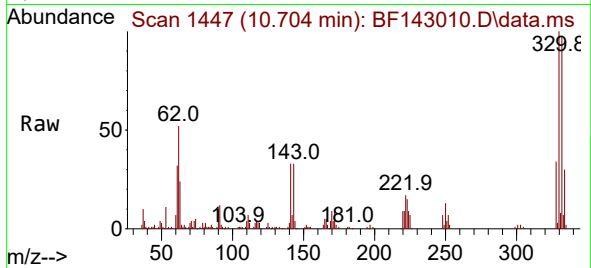




#42
2,4,6-Tribromophenol
Concen: 67.945 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

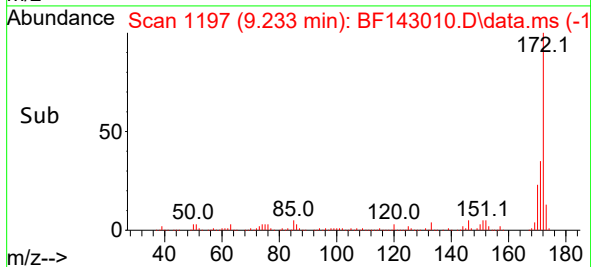
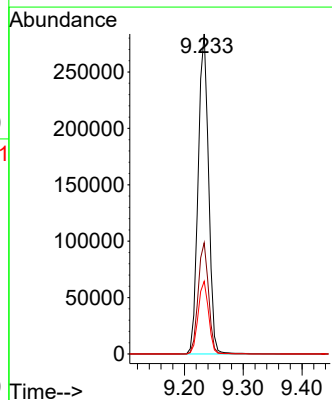
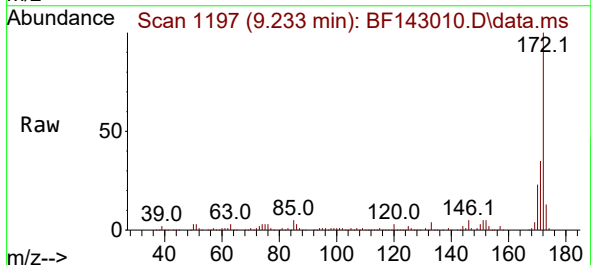
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

Tgt Ion:330 Resp: 69586
Ion Ratio Lower Upper
330 100
332 97.6 75.0 112.6
141 32.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 46.072 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion:172 Resp: 349038
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.7 18.5 27.7

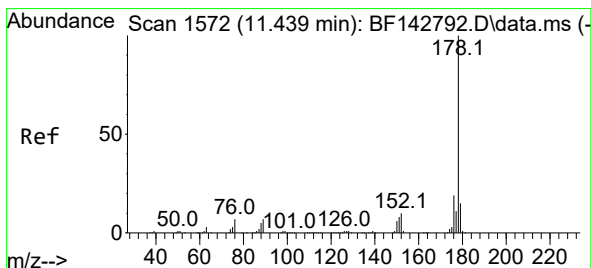
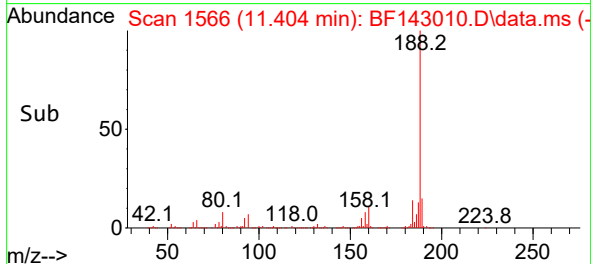
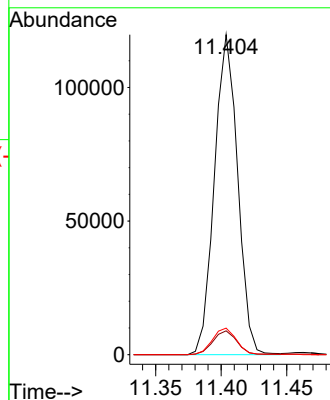
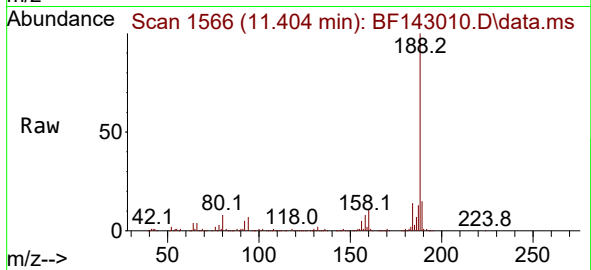




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

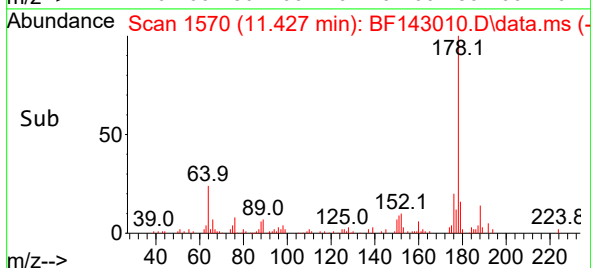
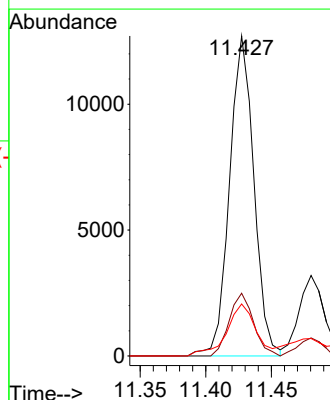
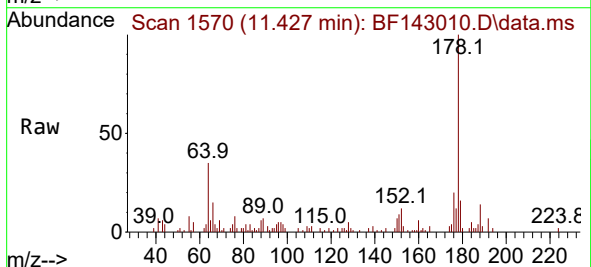
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

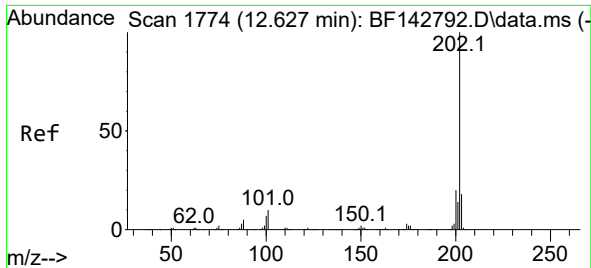
Tgt Ion:188 Resp: 147264
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.3 6.9 10.3



#71
Phenanthrene
Concen: 2.063 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion:178 Resp: 16459
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 16.2 12.0 18.0

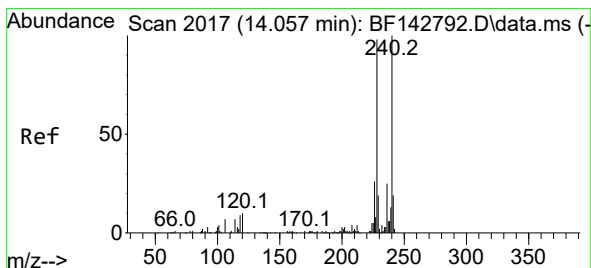
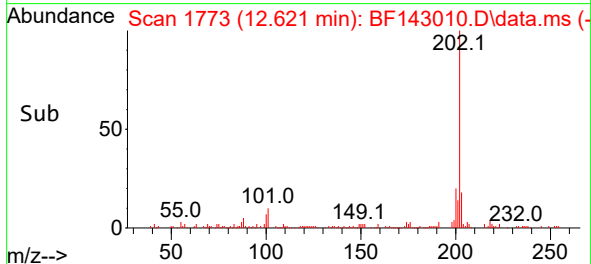
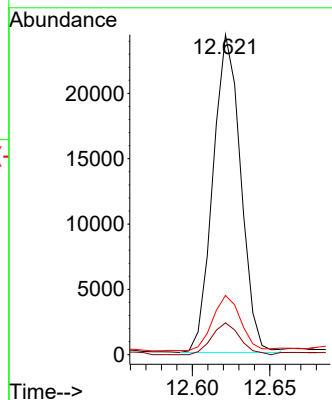
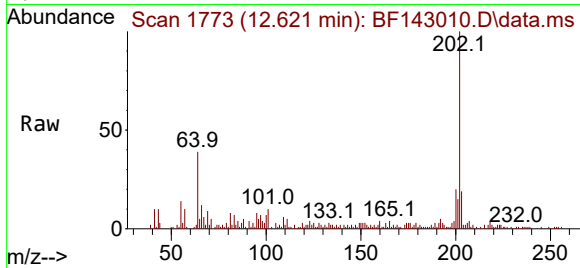




#75
Fluoranthene
Concen: 4.002 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

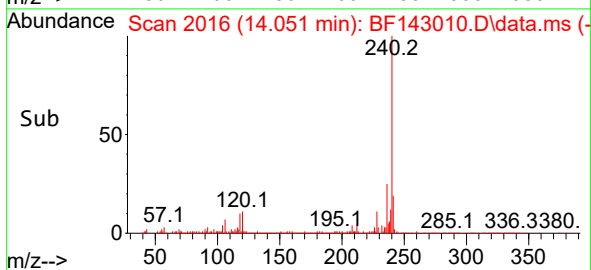
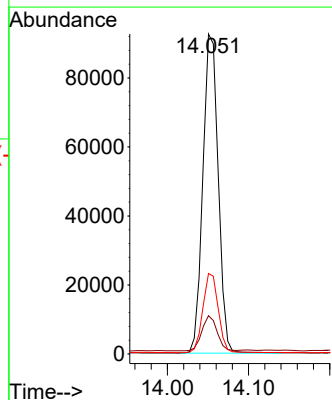
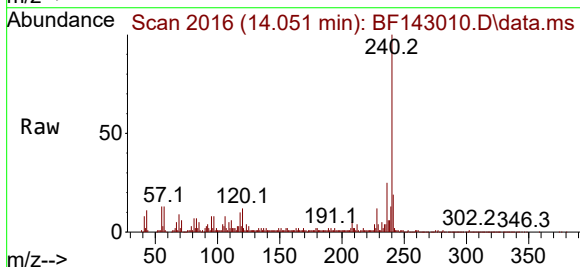
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

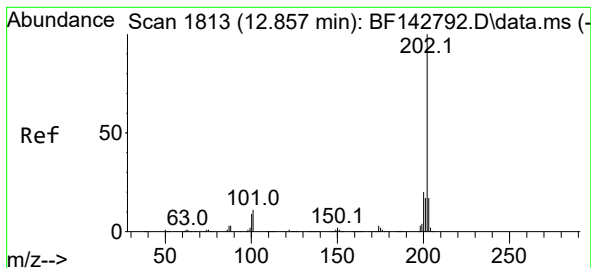
Tgt Ion:202 Resp: 30300
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 18.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion:240 Resp: 121624
Ion Ratio Lower Upper
240 100
120 11.9 8.2 12.2
236 25.2 19.8 29.8





#78

Pyrene

Concen: 2.528 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

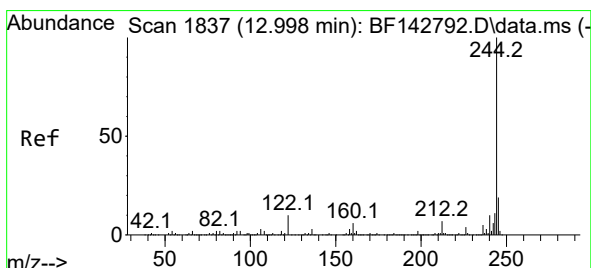
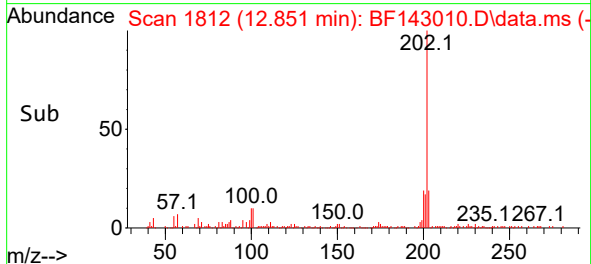
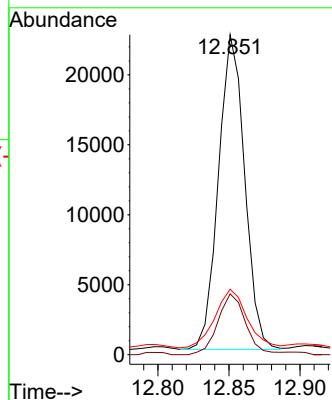
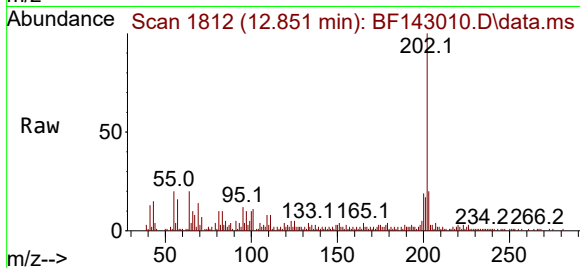
Tgt Ion:202 Resp: 28823

Ion Ratio Lower Upper

202 100

200 19.0 15.7 23.5

203 20.4 13.8 20.6



#79

Terphenyl-d14

Concen: 29.883 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

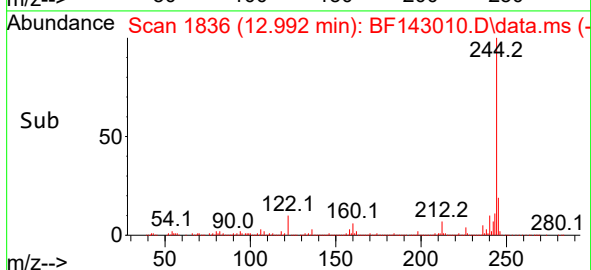
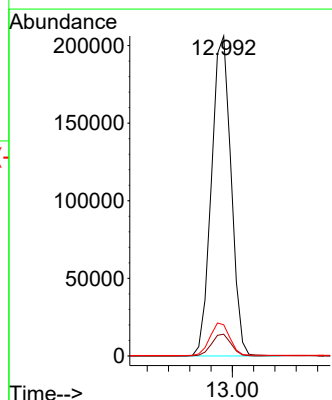
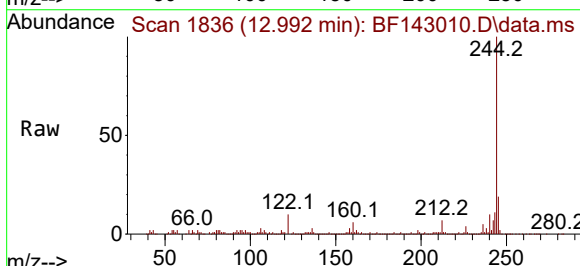
Tgt Ion:244 Resp: 263047

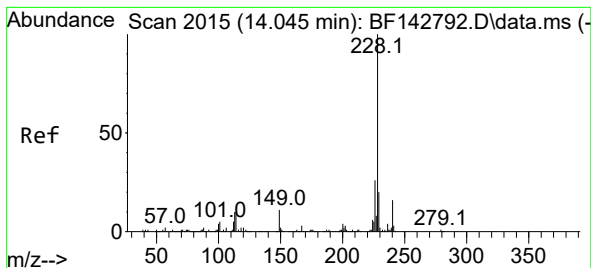
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.7 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.410 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.000 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

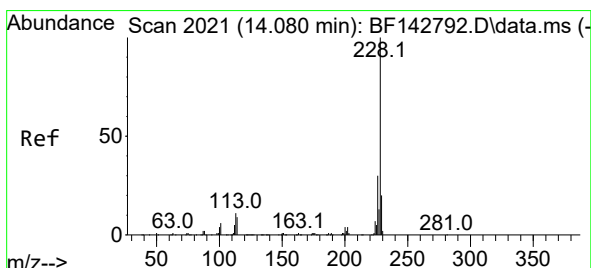
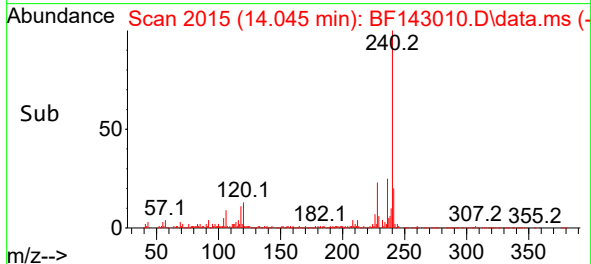
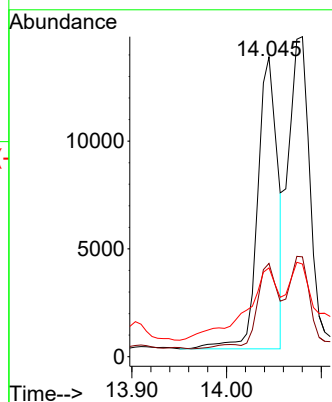
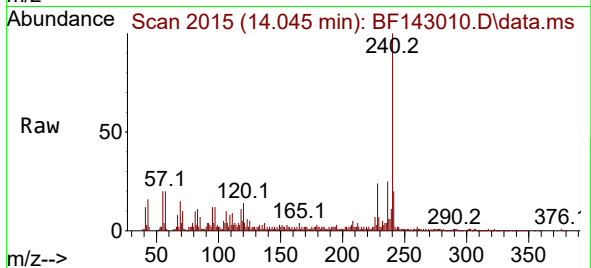
Tgt Ion:228 Resp: 19774

Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

229 29.6 15.6 23.4#



#83

Chrysene

Concen: 3.079 ng

RT: 14.080 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

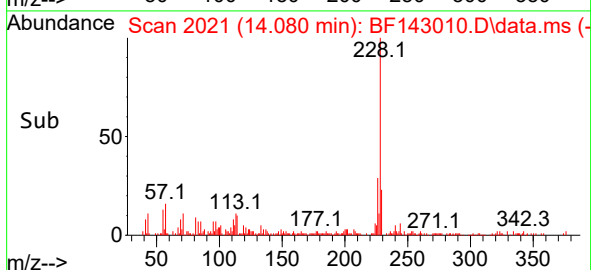
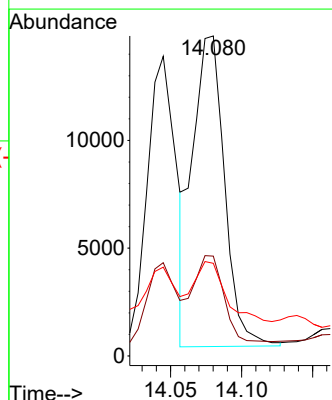
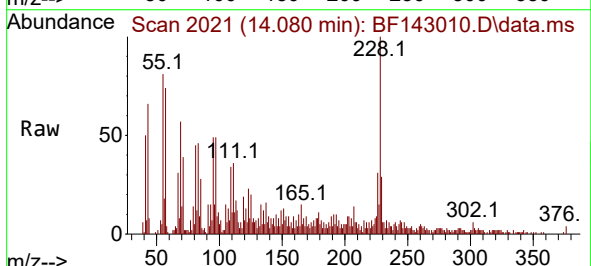
Tgt Ion:228 Resp: 22539

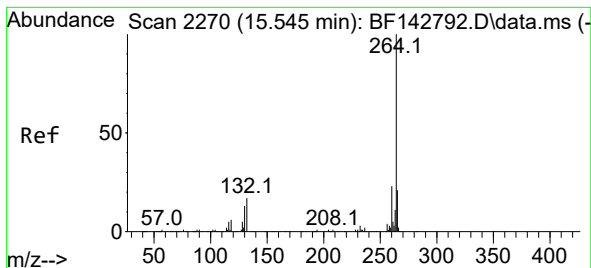
Ion Ratio Lower Upper

228 100

226 31.2 23.7 35.5

229 29.0 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

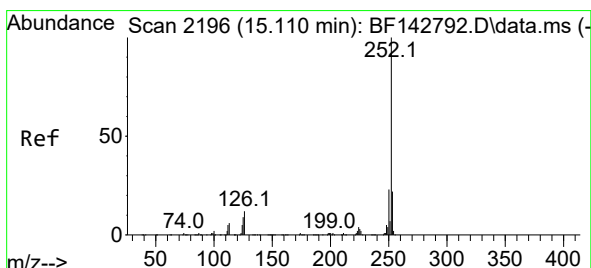
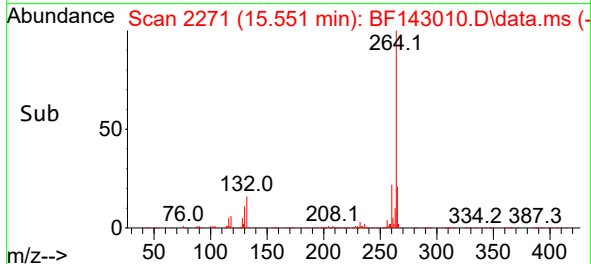
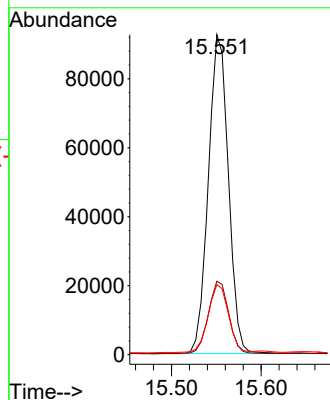
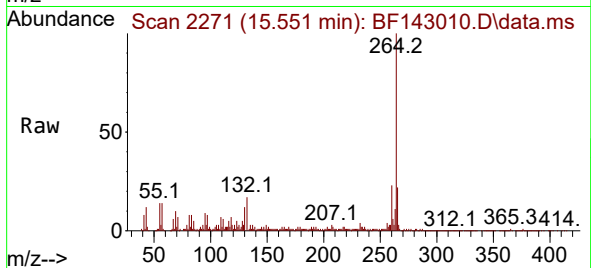
Tgt Ion:264 Resp: 143461

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.9 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.036 ng m

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

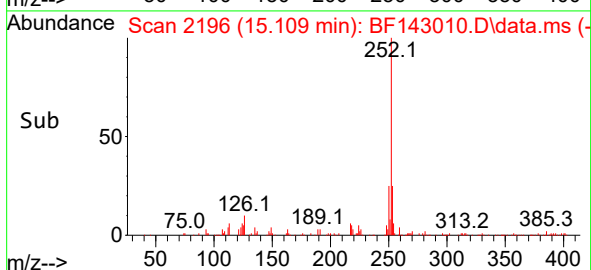
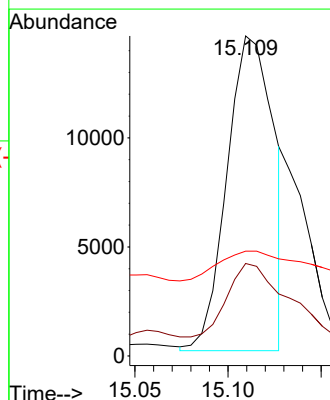
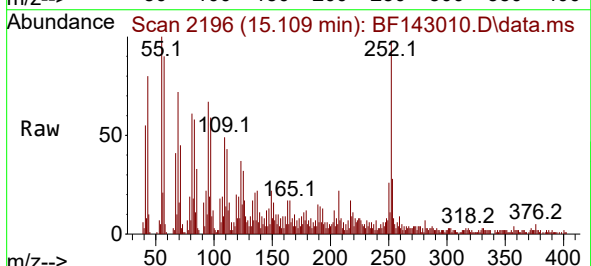
Tgt Ion:252 Resp: 25202

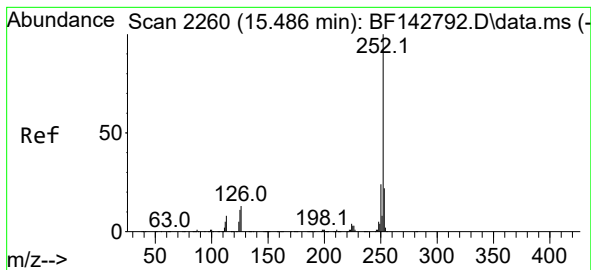
Ion Ratio Lower Upper

252 100

253 28.9 17.5 26.3#

125 32.8 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.161 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143010.D

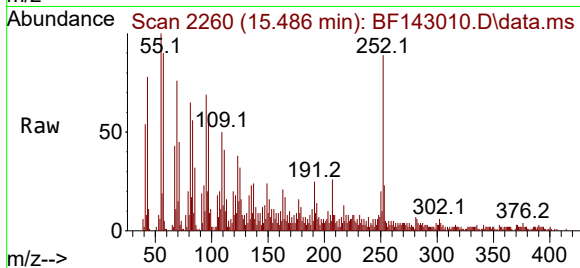
Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)



Tgt Ion:	252	Resp:	17329
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.5	26.3
125	35.9	8.6	12.8#

