

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143069.D
 Acq On : 09 Jul 2025 21:35
 Operator : RC/JU
 Sample : Q2487-15 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

Quant Time: Jul 10 00:58:34 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)

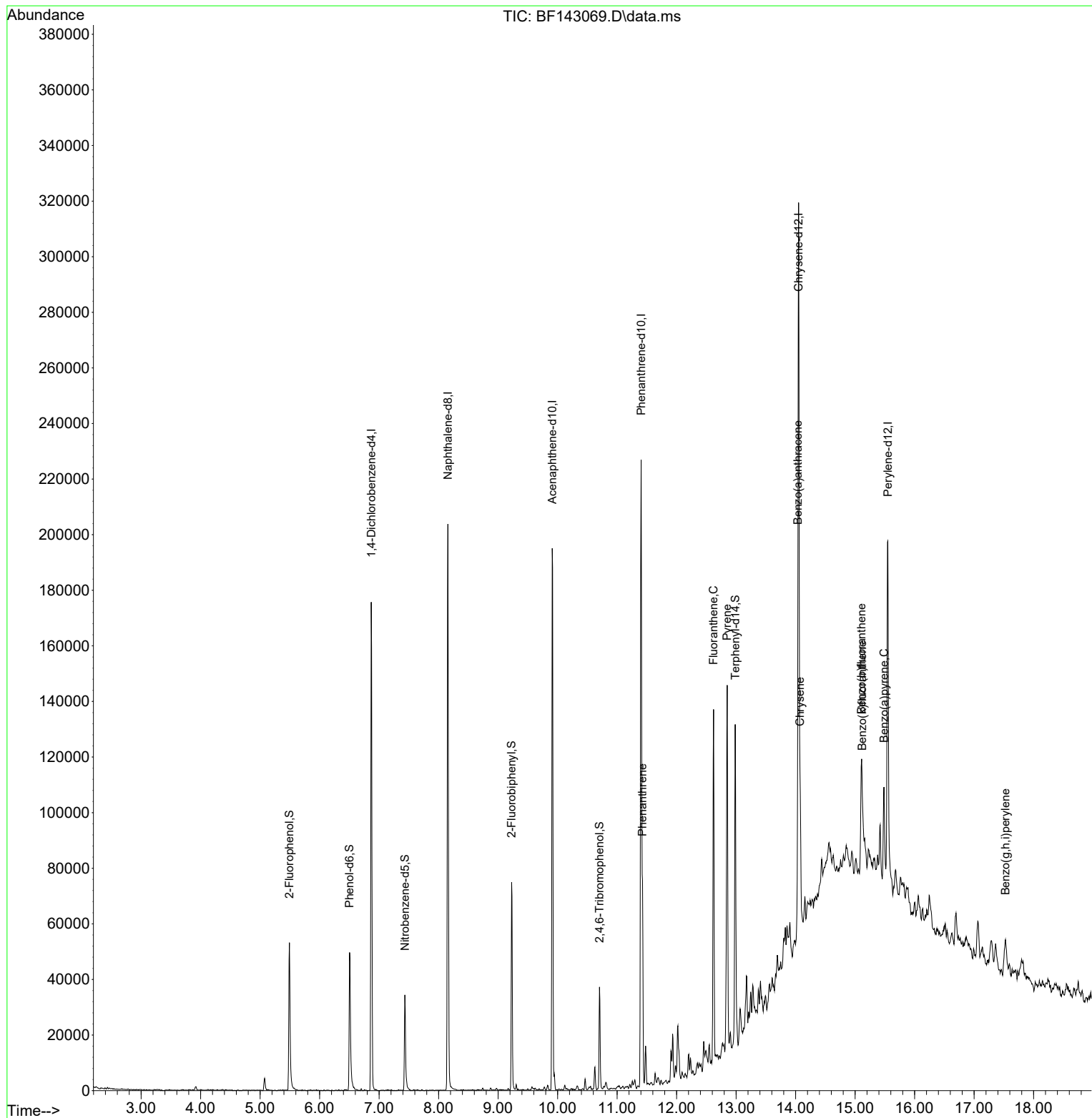
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	39640	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	139294	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	61361	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	117403	20.000	ng	0.00
76) Chrysene-d12	14.051	240	107649	20.000	ng	0.00
86) Perylene-d12	15.551	264	68902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	27585	11.586	ng	0.00
7) Phenol-d6	6.504	99	31404	11.180	ng	0.00
23) Nitrobenzene-d5	7.434	82	17294	6.810	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	6921	10.961	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	37294	7.984	ng	-0.02
79) Terphenyl-d14	12.986	244	51233	6.576	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.428	178	38621	6.073	ng	100
75) Fluoranthene	12.622	202	72915	12.081	ng	98
78) Pyrene	12.851	202	76522	7.584	ng	99
81) Benzo(a)anthracene	14.039	228	34403	4.737	ng	95
83) Chrysene	14.074	228	27886m	4.303	ng	
88) Benzo(b)fluoranthene	15.110	252	23088m	5.791	ng	
89) Benzo(k)fluoranthene	15.121	252	10083m	2.703	ng	
90) Benzo(a)pyrene	15.486	252	17839	4.631	ng	# 93
92) Benzo(g,h,i)perylene	17.527	276	11536	2.713	ng	# 93

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

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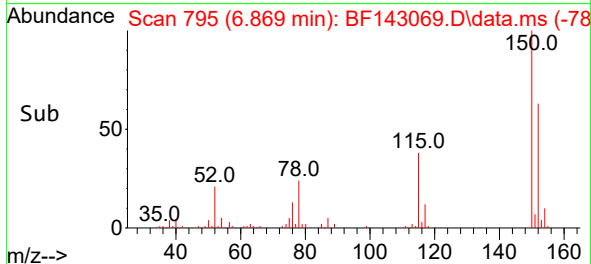
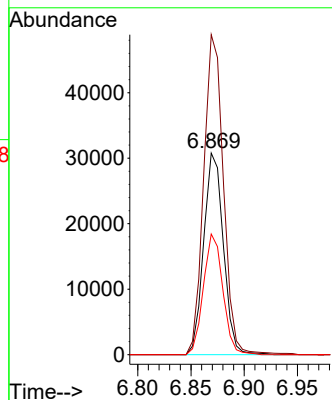
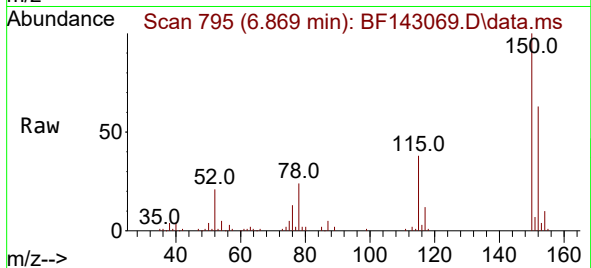




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143069.D
 Acq: 09 Jul 2025 21:35

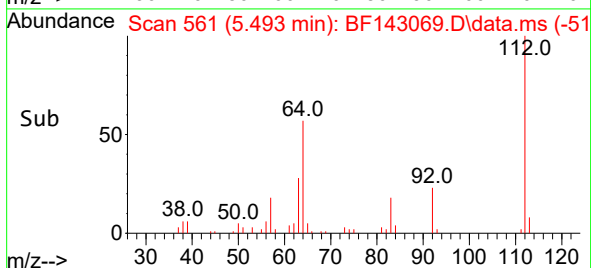
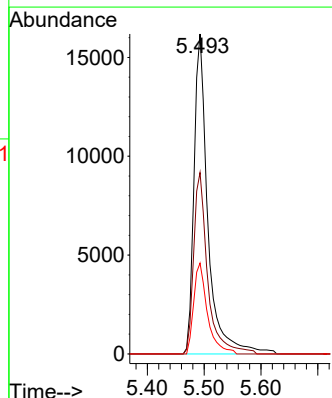
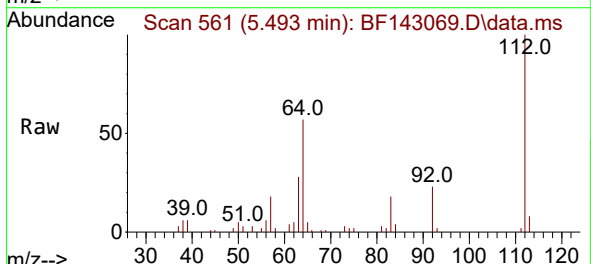
Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

Tgt Ion:152 Resp: 39640
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.2 190.8
 115 59.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 11.586 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143069.D
 Acq: 09 Jul 2025 21:35

Tgt Ion:112 Resp: 27585
 Ion Ratio Lower Upper
 112 100
 64 56.7 48.2 72.2
 63 28.4 25.7 38.5

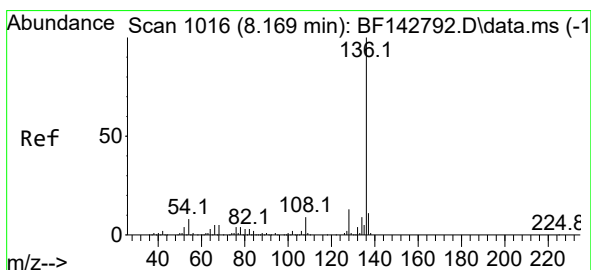
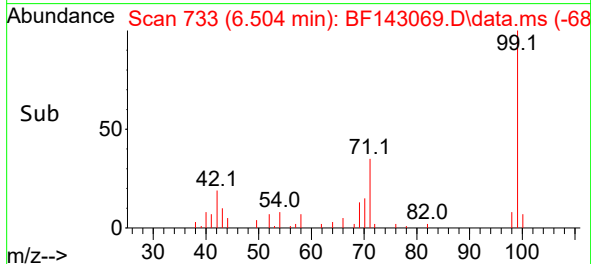
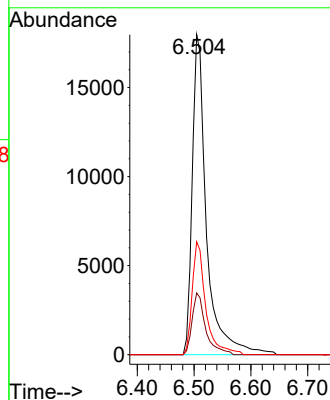
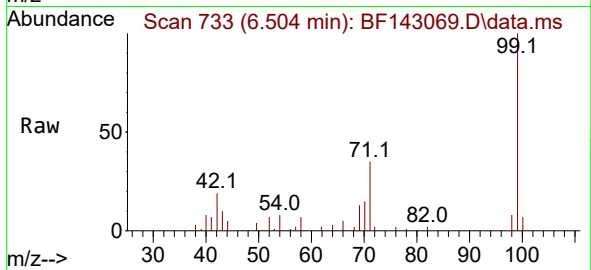




#7
Phenol-d6
Concen: 11.180 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

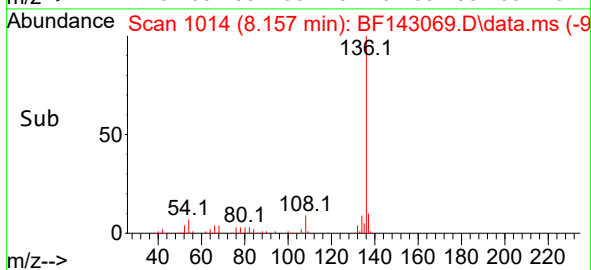
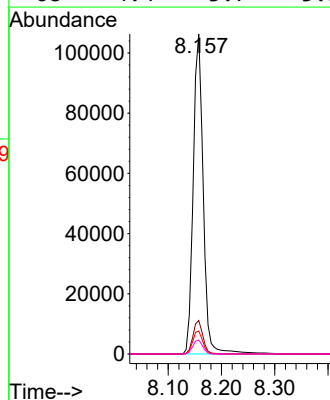
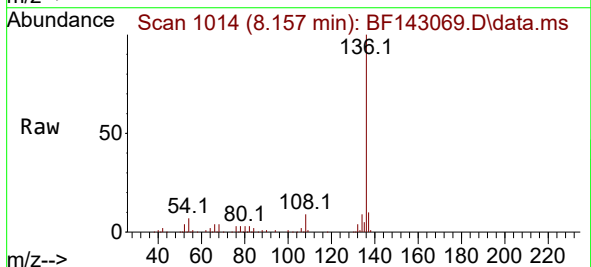
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

Tgt Ion: 99 Resp: 31404
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.3 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: BF143069.D
Acq: 09 Jul 2025 21:35

Tgt Ion: 136 Resp: 139294
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.2 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 6.810 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

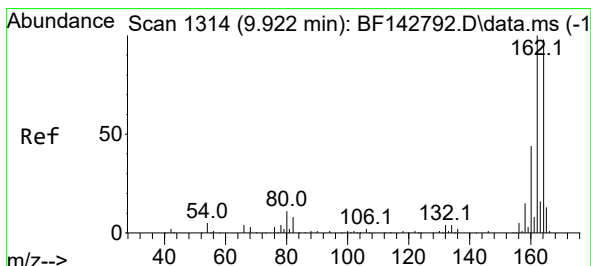
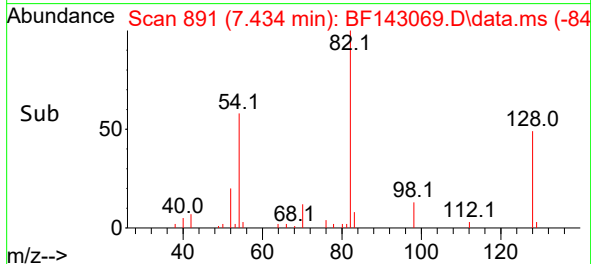
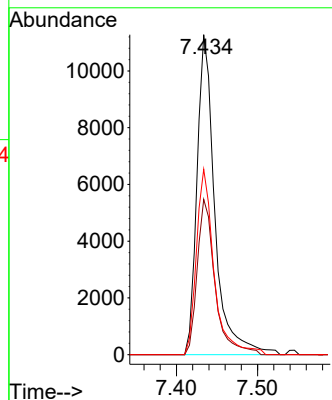
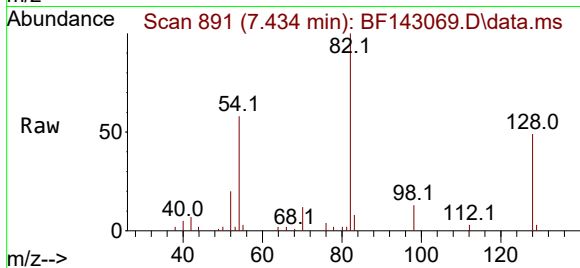
Tgt Ion: 82 Resp: 17294

Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 57.9 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: BF143069.D

Acq: 09 Jul 2025 21:35

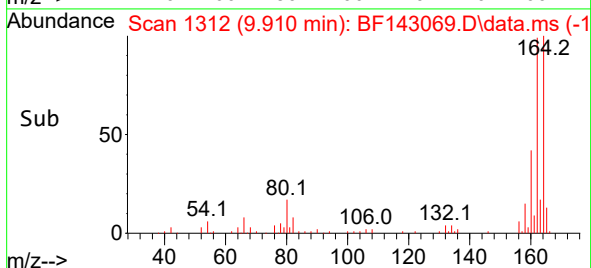
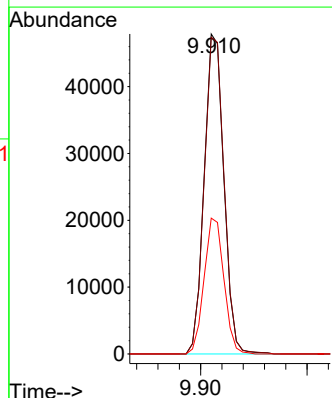
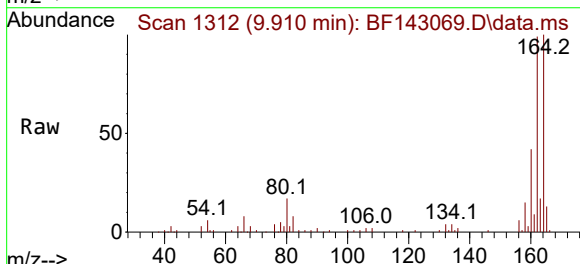
Tgt Ion:164 Resp: 61361

Ion Ratio Lower Upper

164 100

162 99.0 81.8 122.8

160 42.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 10.961 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

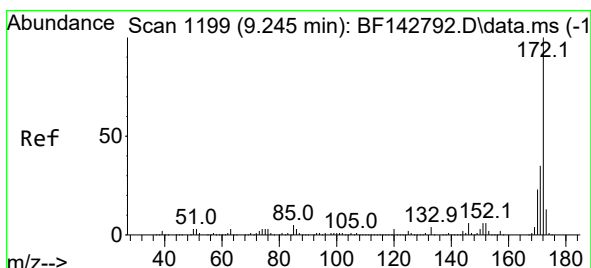
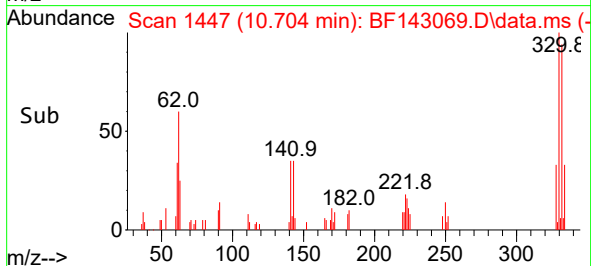
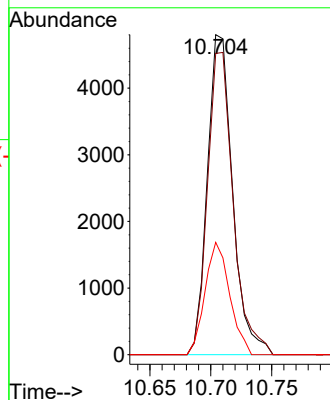
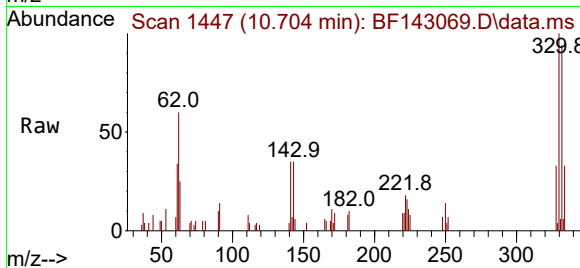
Tgt Ion:330 Resp: 6921

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.6

141 34.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 7.984 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

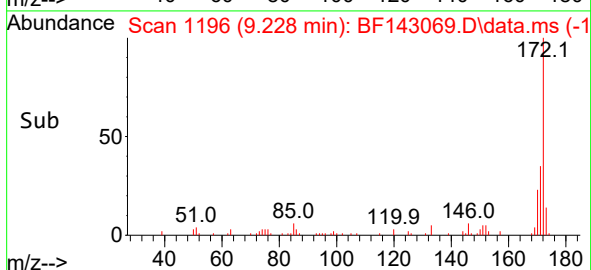
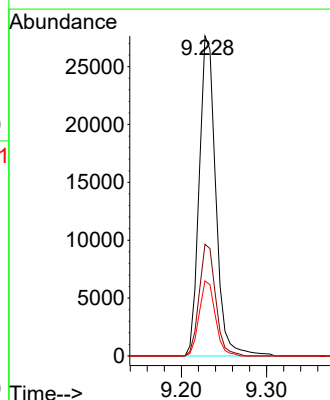
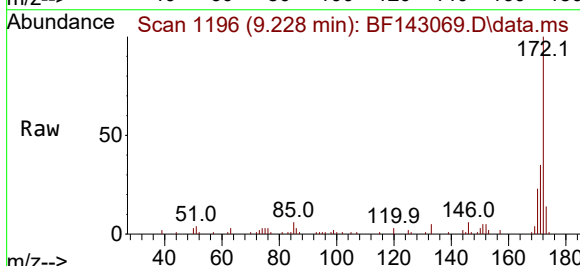
Tgt Ion:172 Resp: 37294

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.5 18.5 27.7

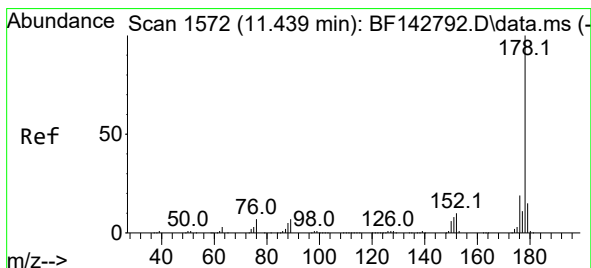
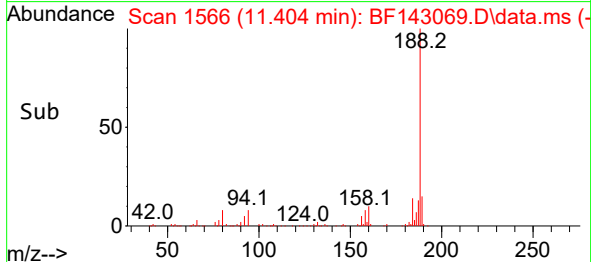
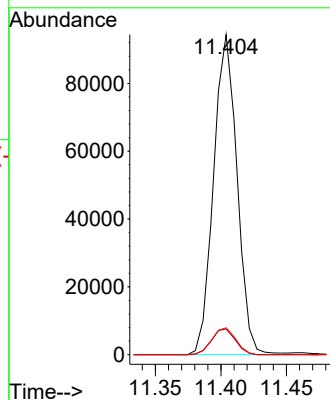
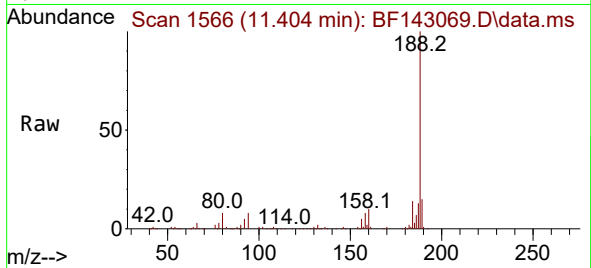




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

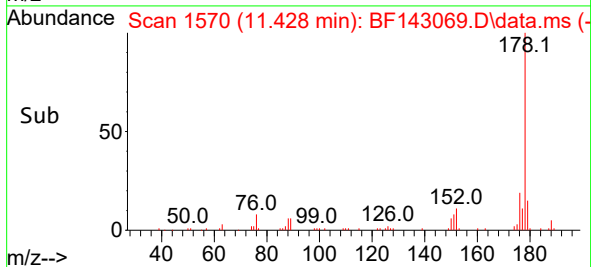
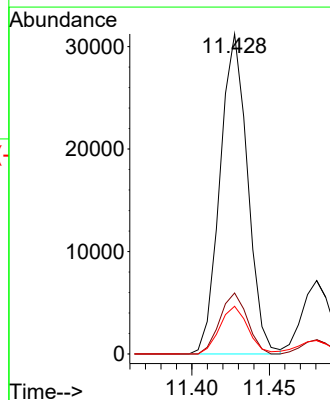
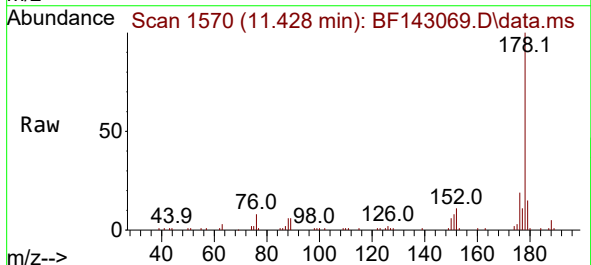
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

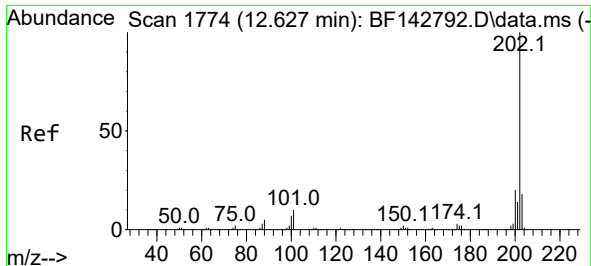
Tgt Ion:188 Resp: 117403
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.4 6.9 10.3



#71
Phenanthrene
Concen: 6.073 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

Tgt Ion:178 Resp: 38621
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 14.9 12.0 18.0

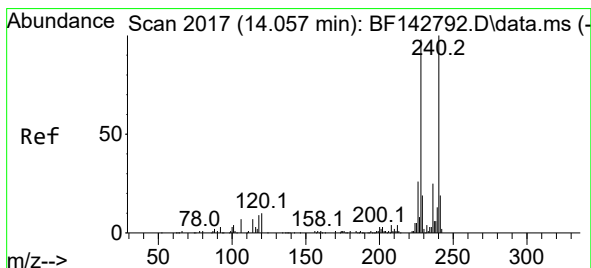
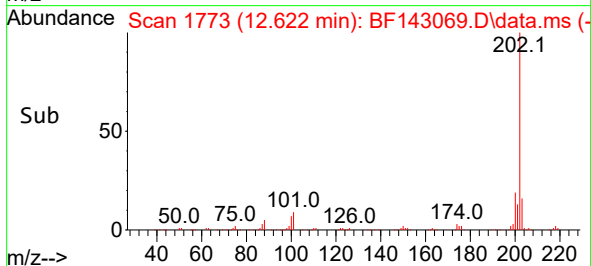
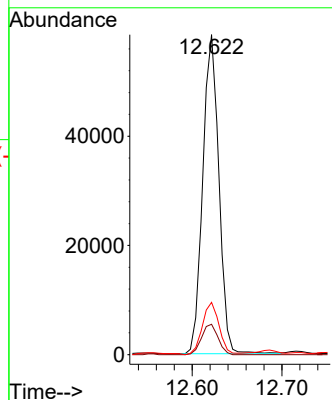
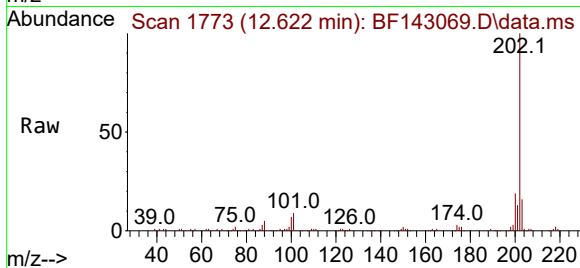




#75
Fluoranthene
Concen: 12.081 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

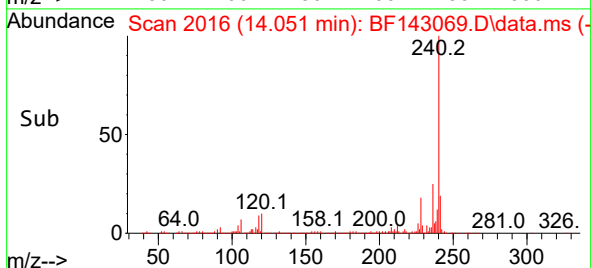
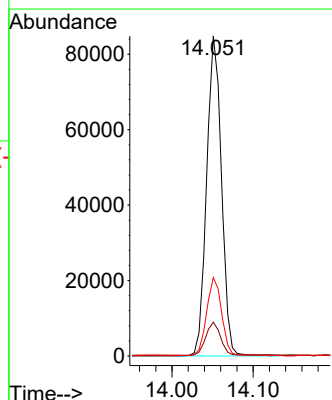
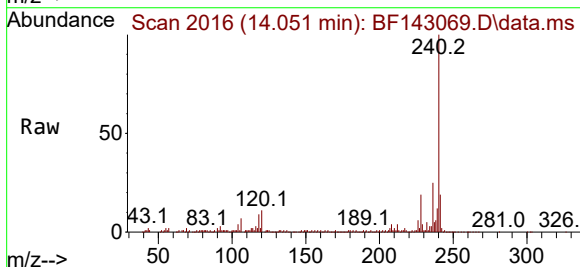
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

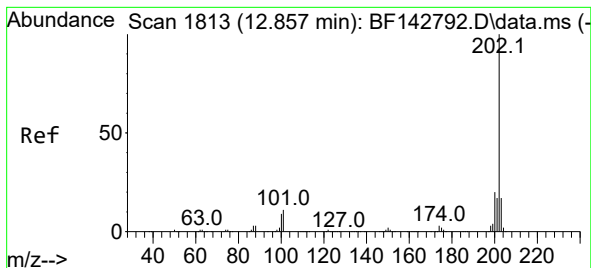
Tgt Ion:202 Resp: 72915
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 16.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

Tgt Ion:240 Resp: 107649
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 24.5 19.8 29.8





#78

Pyrene

Concen: 7.584 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

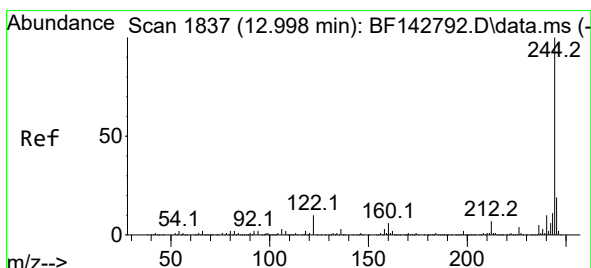
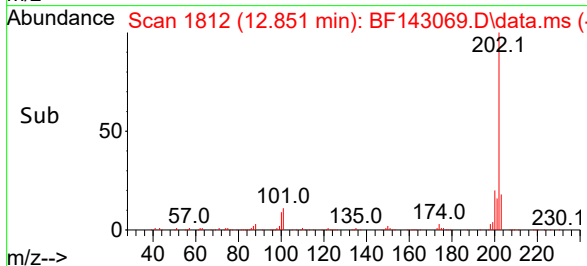
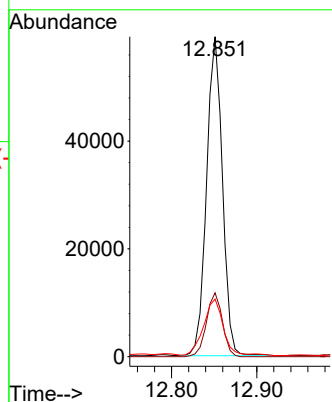
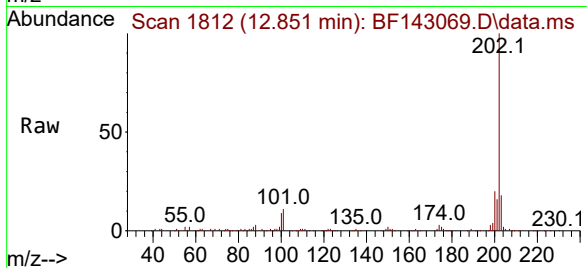
Tgt Ion:202 Resp: 76522

Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.0 13.8 20.6



#79

Terphenyl-d14

Concen: 6.576 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

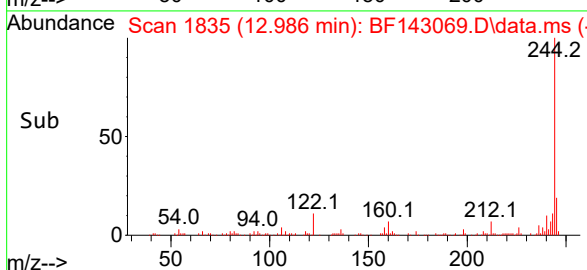
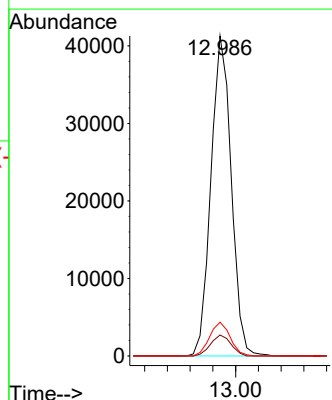
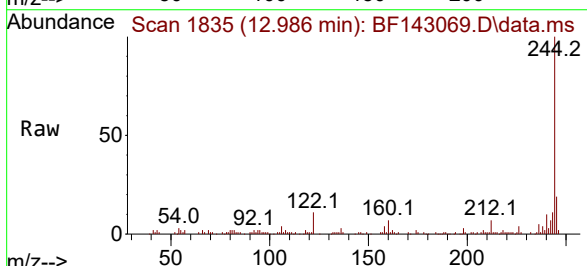
Tgt Ion:244 Resp: 51233

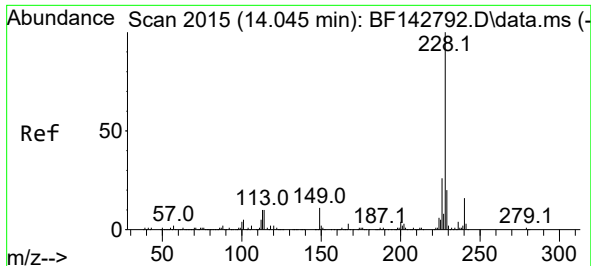
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.6 8.2 12.2

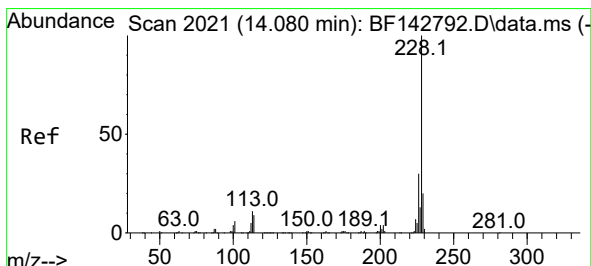
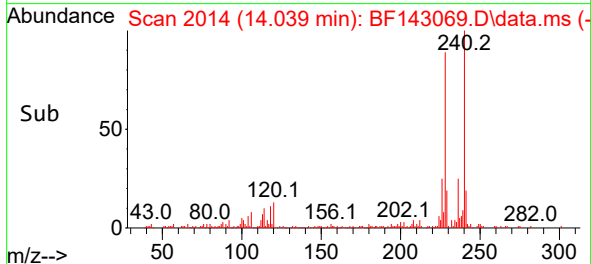
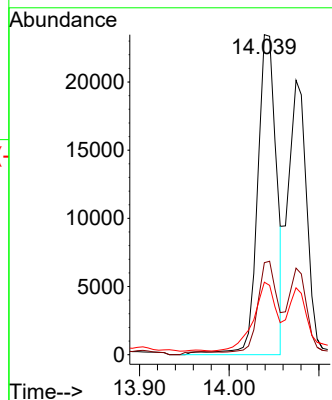
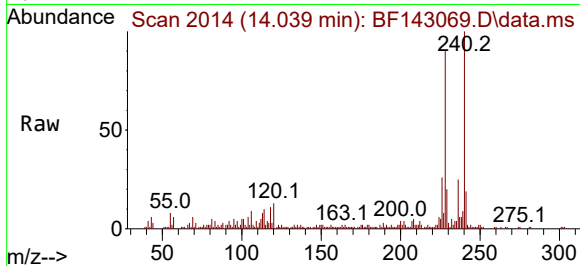




#81
Benzo(a)anthracene
Concen: 4.737 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

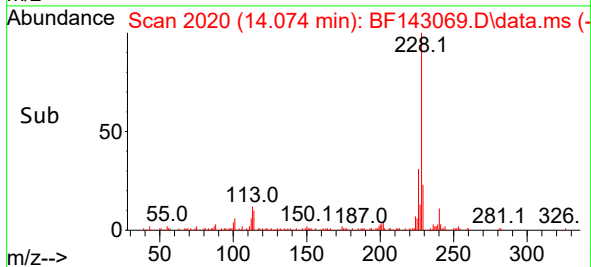
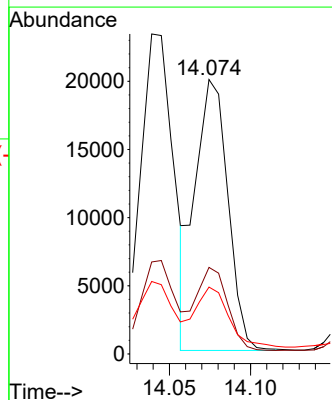
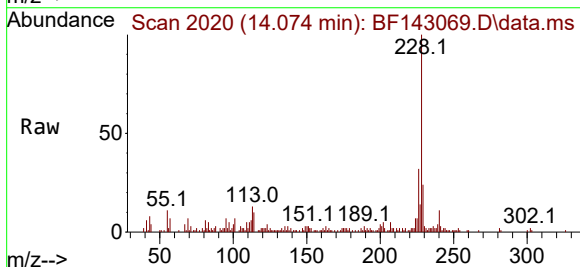
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

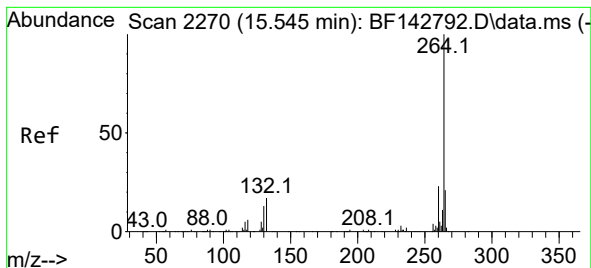
Tgt Ion:228 Resp: 34403
Ion Ratio Lower Upper
228 100
226 28.8 21.2 31.8
229 22.7 15.6 23.4



#83
Chrysene
Concen: 4.303 ng m
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

Tgt Ion:228 Resp: 27886
Ion Ratio Lower Upper
228 100
226 31.5 23.7 35.5
229 24.4 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: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

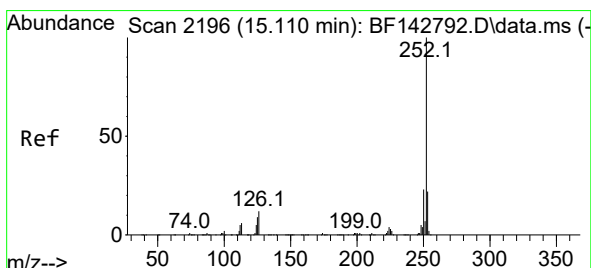
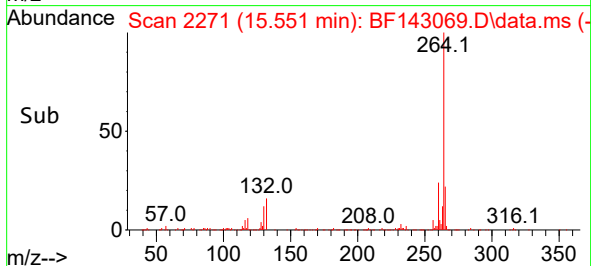
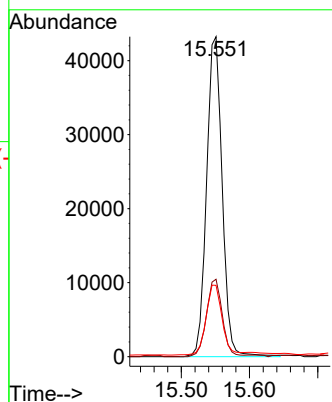
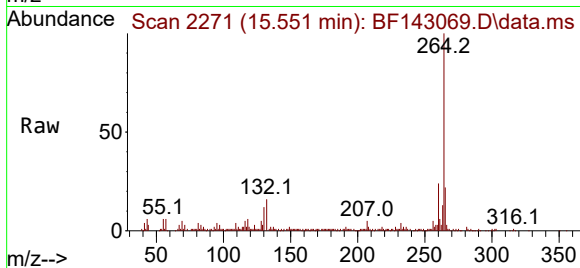
Tgt Ion:264 Resp: 68902

Ion Ratio Lower Upper

264 100

260 24.2 18.1 27.1

265 22.3 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.791 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

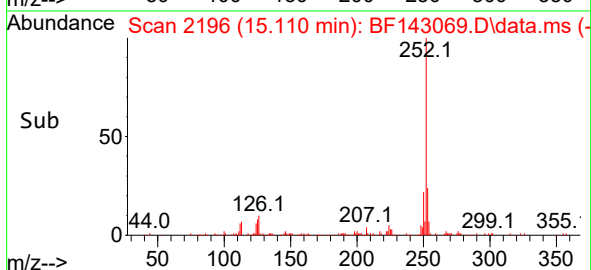
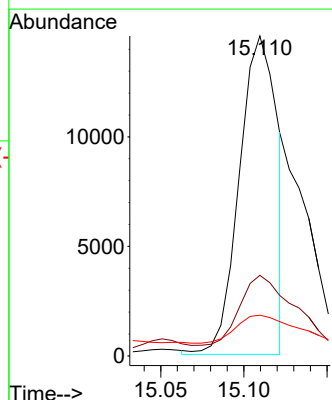
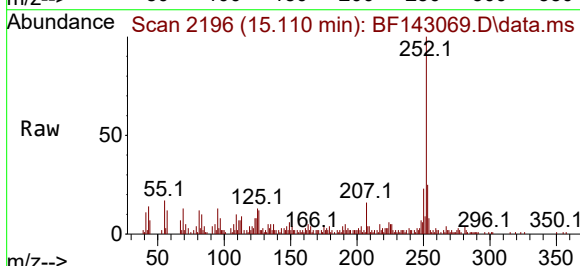
Tgt Ion:252 Resp: 23088

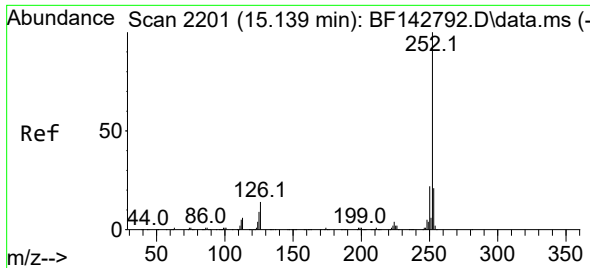
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 12.8 7.4 11.0#

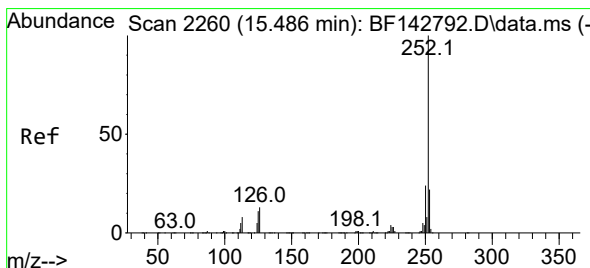
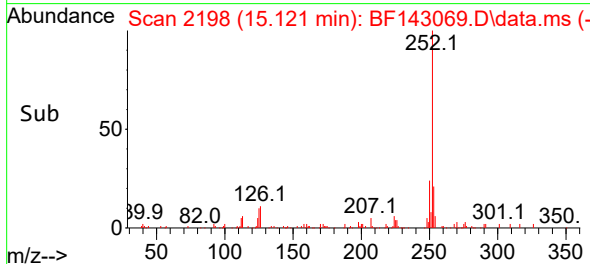
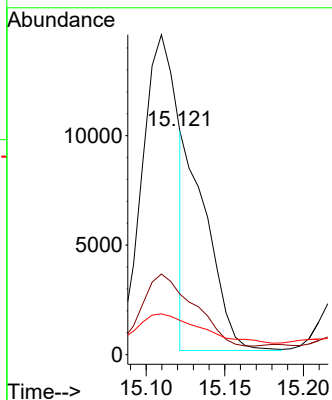
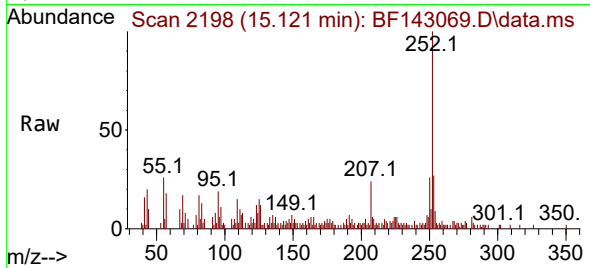




#89
Benzo(k)fluoranthene
Concen: 2.703 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

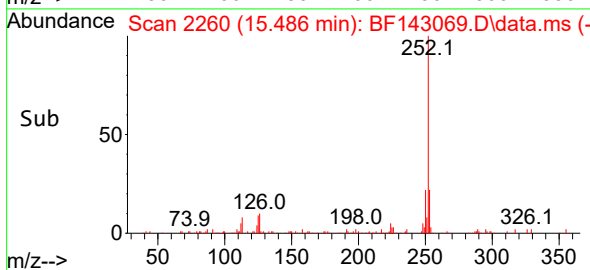
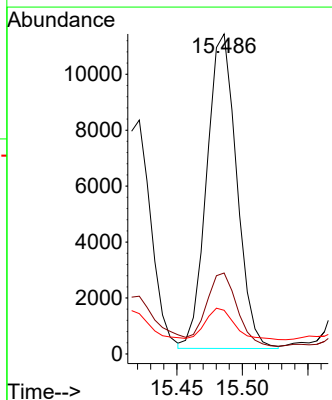
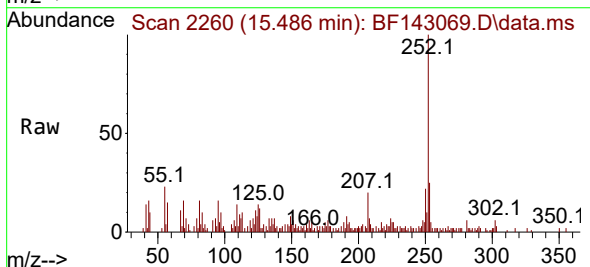
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

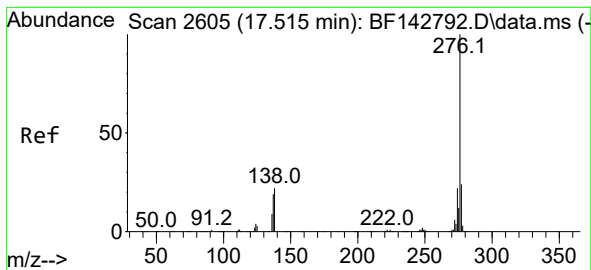
Tgt Ion:252 Resp: 10083
Ion Ratio Lower Upper
252 100
253 27.1 17.2 25.8#
125 15.4 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 4.631 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

Tgt Ion:252 Resp: 17839
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 13.7 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 2.713 ng

RT: 17.527 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143069.D

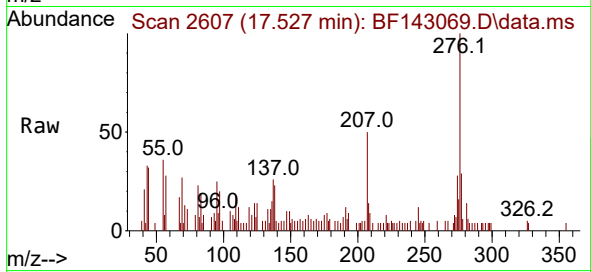
Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)



Tgt Ion:276 Resp: 11536

Ion Ratio Lower Upper

276 100

277 29.3 18.8 28.2#

138 23.2 17.6 26.4

