

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143064.D
 Acq On : 09 Jul 2025 19:02
 Operator : RC/JU
 Sample : Q2487-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Quant Time: Jul 10 00:57:12 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)

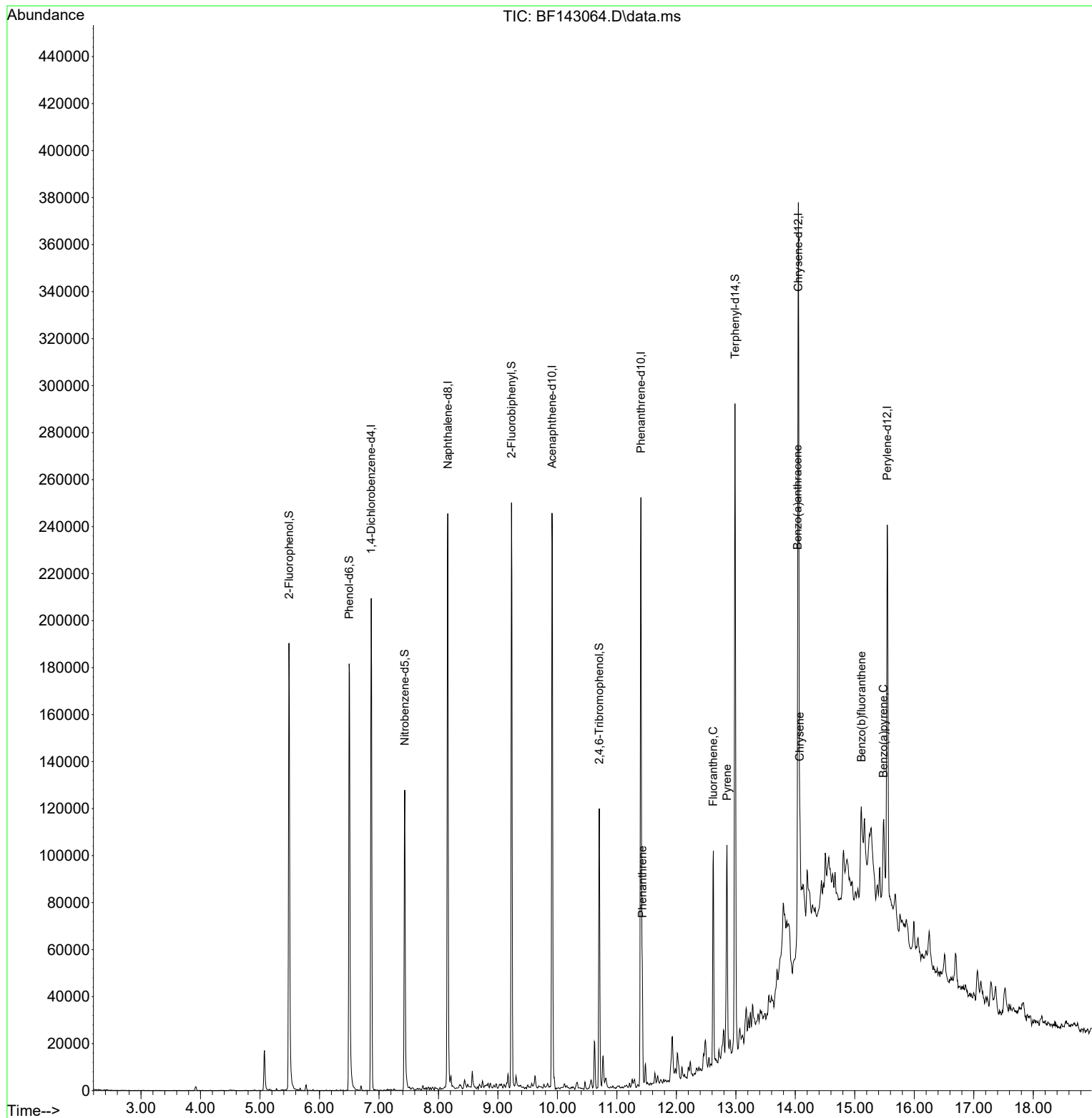
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	45424	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	161547	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	75920	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	131498	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133783	20.000	ng	0.00
86) Perylene-d12	15.545	264	89246	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	84686	31.040	ng	0.00
7) Phenol-d6	6.498	99	96768	30.063	ng	-0.01
23) Nitrobenzene-d5	7.434	82	57466	19.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	20533	26.282	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	113964	19.720	ng	-0.02
79) Terphenyl-d14	12.986	244	129438	13.368	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	28702	4.029	ng	99
75) Fluoranthene	12.621	202	52822	7.814	ng	100
78) Pyrene	12.851	202	49643	3.959	ng	98
81) Benzo(a)anthracene	14.039	228	27541	3.052	ng	# 93
83) Chrysene	14.074	228	23616	2.932	ng	# 95
88) Benzo(b)fluoranthene	15.109	252	20795m	4.027	ng	
90) Benzo(a)pyrene	15.480	252	14717	2.950	ng	# 93

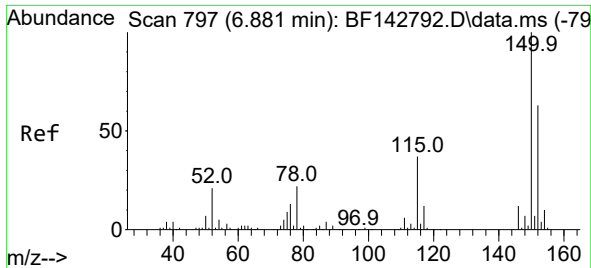
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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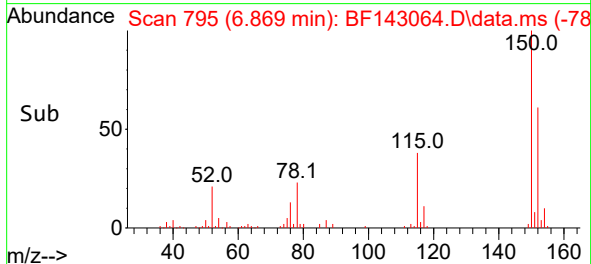
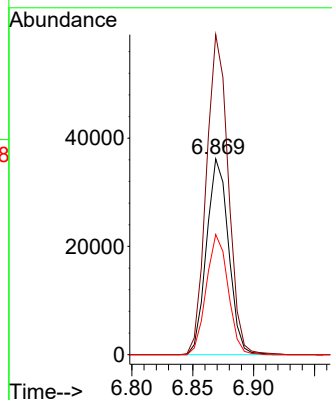
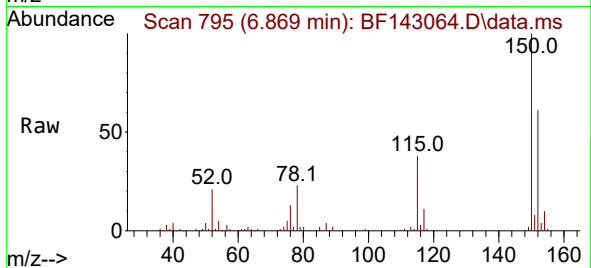




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

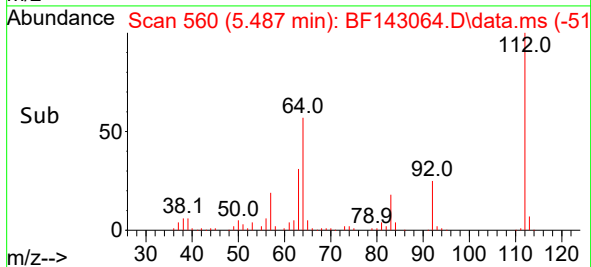
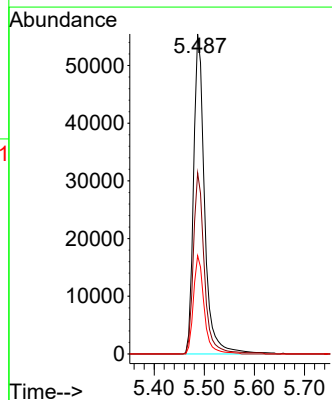
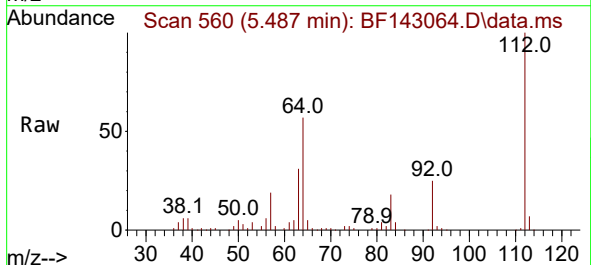
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion:152 Resp: 45424
Ion Ratio Lower Upper
152 100
150 163.5 127.2 190.8
115 61.4 46.6 69.8



#5
2-Fluorophenol
Concen: 31.040 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion:112 Resp: 84686
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 30.7 25.7 38.5

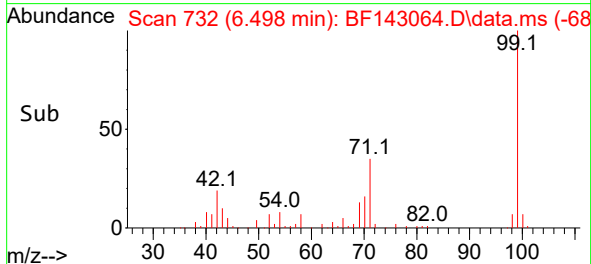
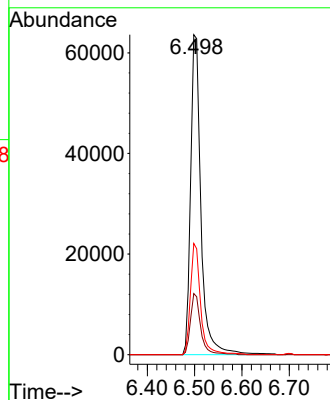
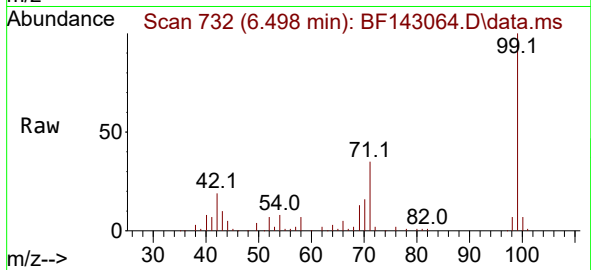




#7
Phenol-d6
Concen: 30.063 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

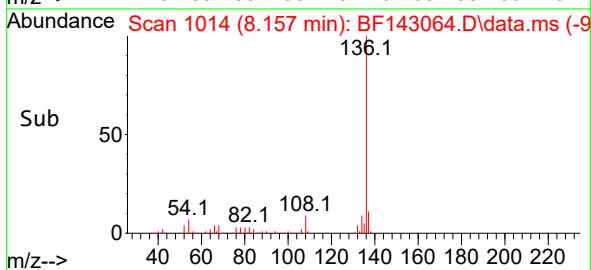
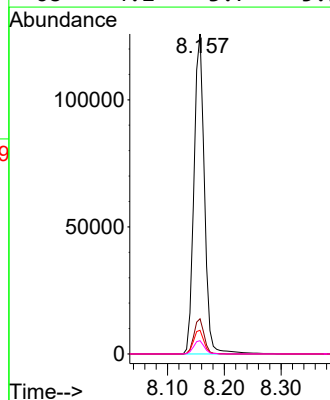
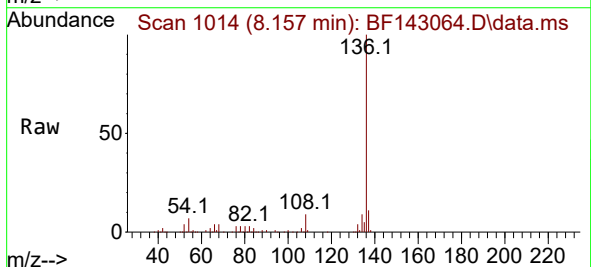
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

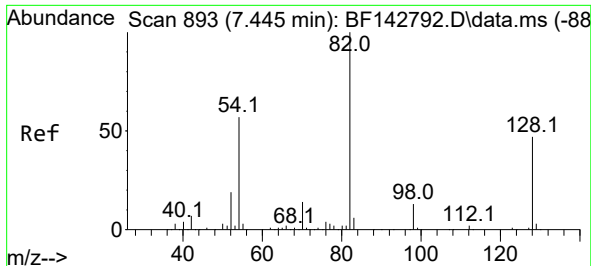
Tgt Ion: 99 Resp: 96768
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion:136 Resp: 161547
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.4 6.3 9.5
68 4.2 3.7 5.5

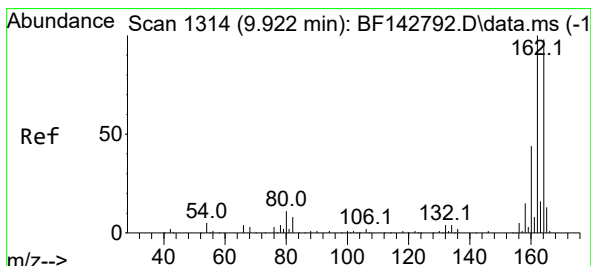
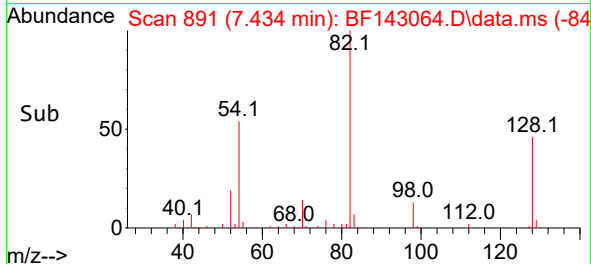
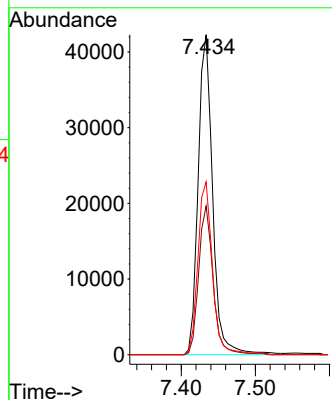
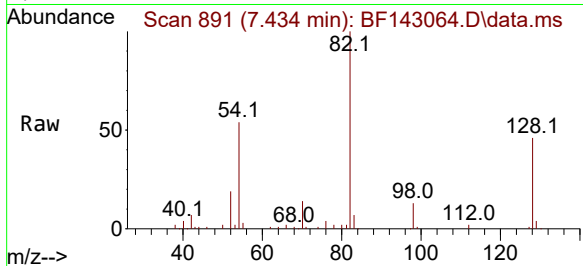




#23
 Nitrobenzene-d5
 Concen: 19.512 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.011 min
 Lab File: BF143064.D
 Acq: 09 Jul 2025 19:02

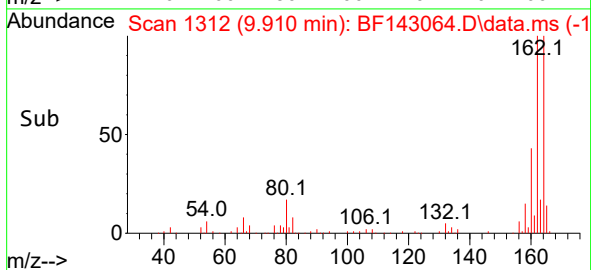
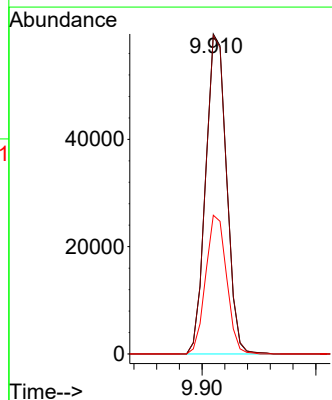
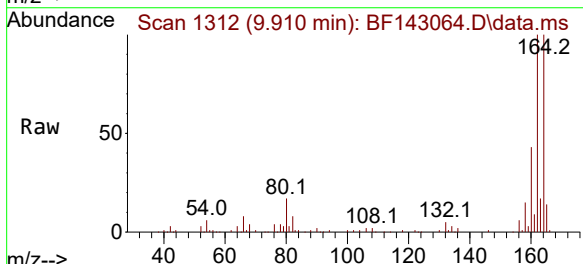
Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Tgt Ion: 82 Resp: 57466
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.7 56.5
 54 54.0 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: BF143064.D
 Acq: 09 Jul 2025 19:02

Tgt Ion:164 Resp: 75920
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.8 122.8
 160 43.3 36.0 54.0

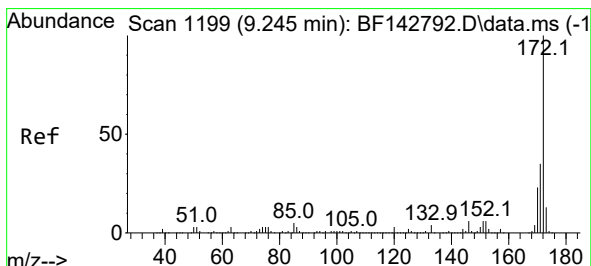
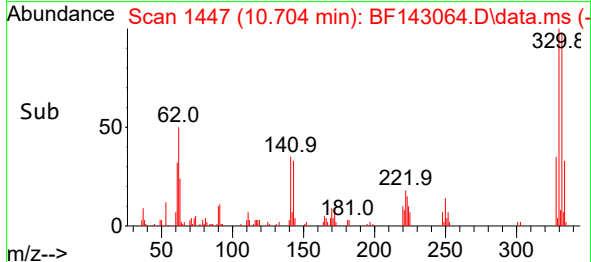
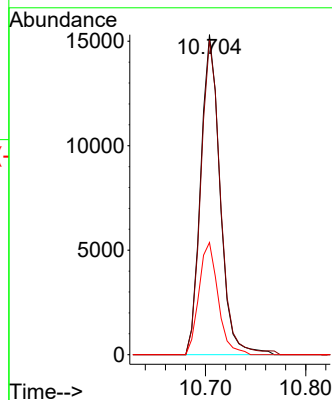
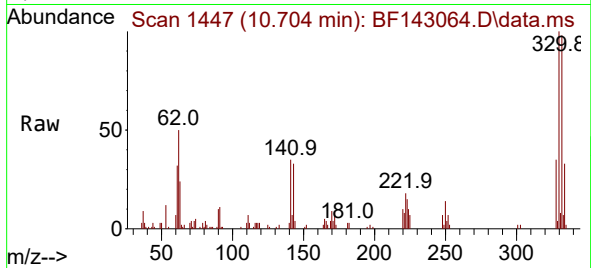




#42
2,4,6-Tribromophenol
Concen: 26.282 ng
RT: 10.704 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

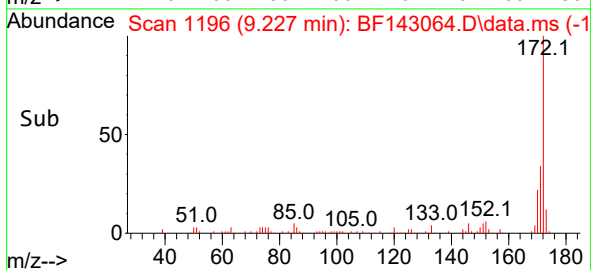
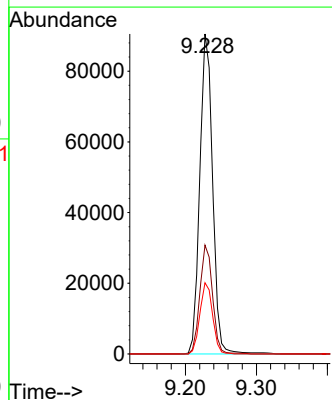
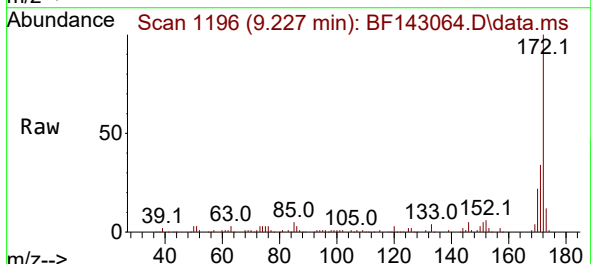
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion: 330 Resp: 20533
Ion Ratio Lower Upper
330 100
332 99.3 75.0 112.6
141 34.8 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 19.720 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.018 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion: 172 Resp: 113964
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.4
170 22.3 18.5 27.7

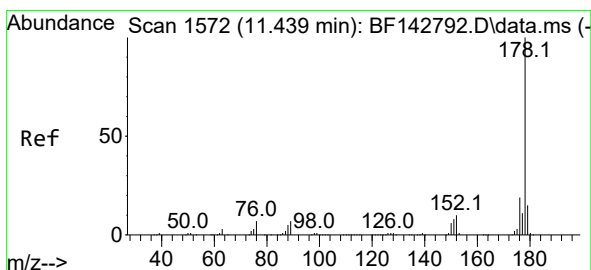
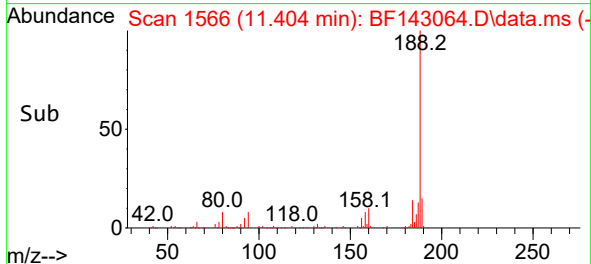
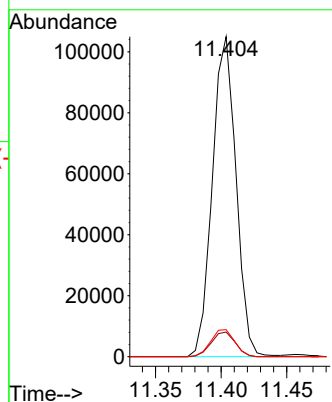
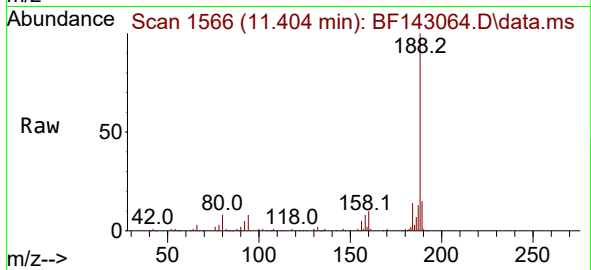




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

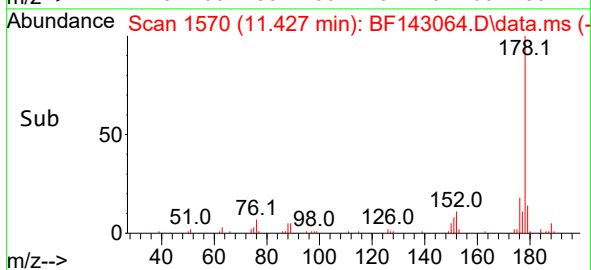
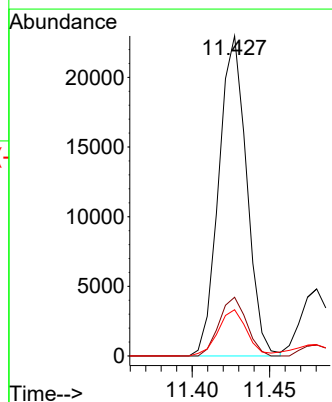
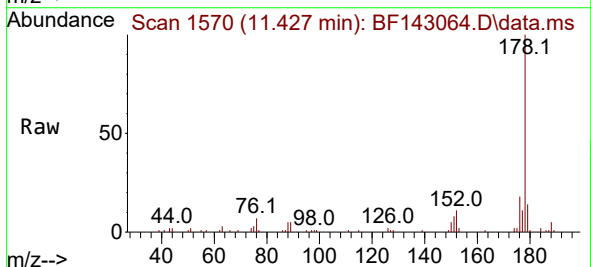
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

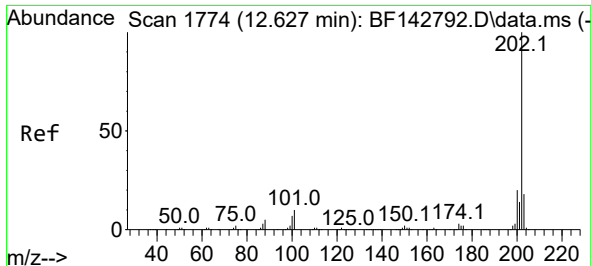
Tgt Ion:188 Resp: 131498
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.4 6.9 10.3



#71
Phenanthrene
Concen: 4.029 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion:178 Resp: 28702
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 14.4 12.0 18.0

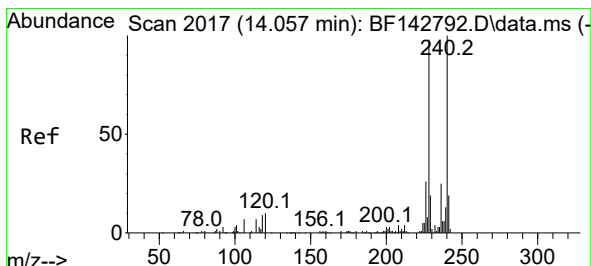
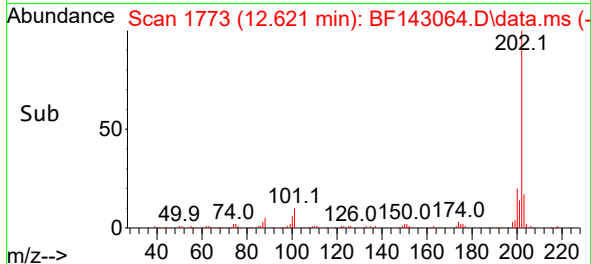
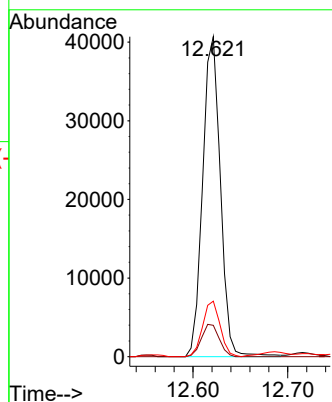
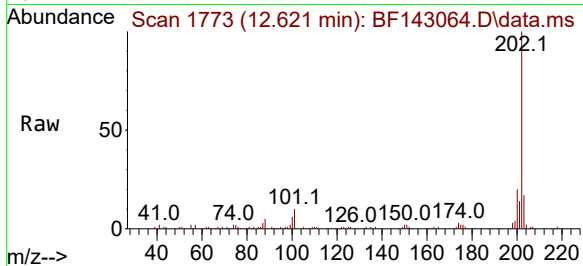




#75
Fluoranthene
Concen: 7.814 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

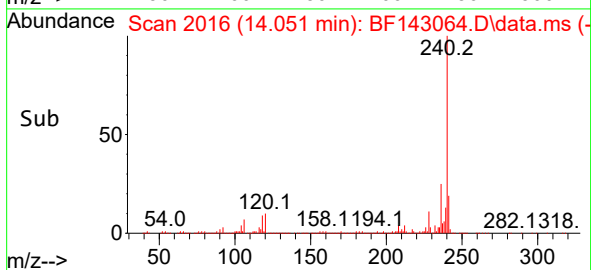
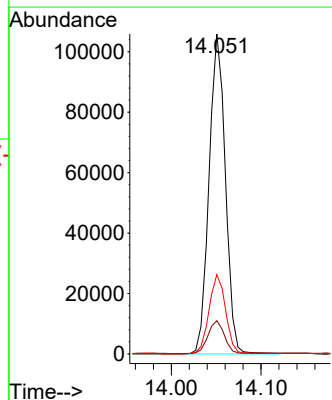
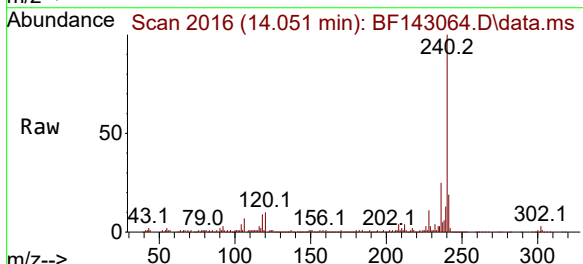
Instrument :
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ClientSampleId :
G4(0-6)

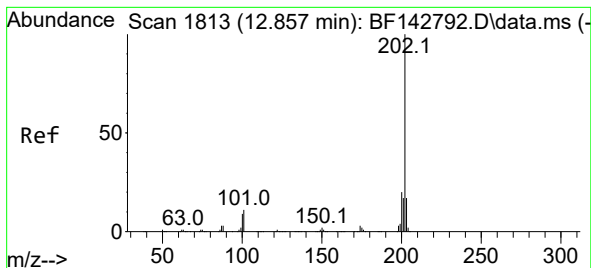
Tgt Ion:202 Resp: 52822
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion:240 Resp: 133783
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 24.8 19.8 29.8





#78

Pyrene

Concen: 3.959 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143064.D

Acq: 09 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

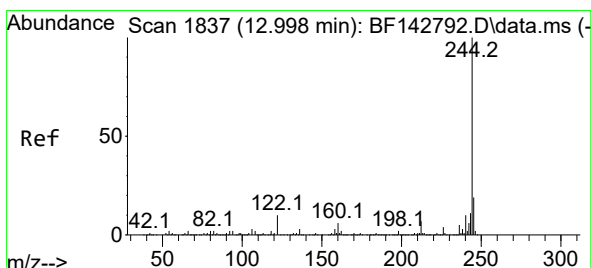
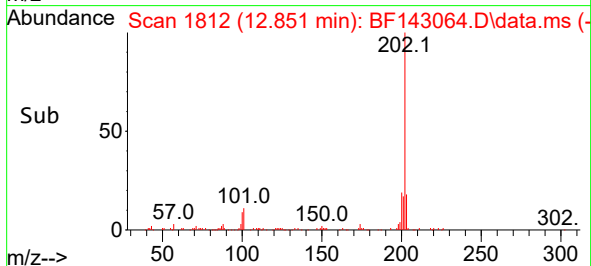
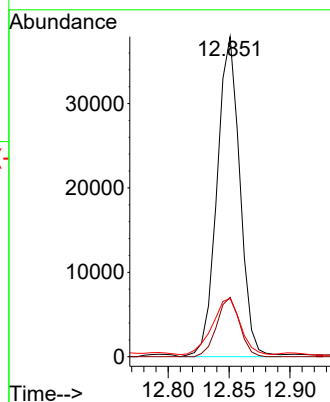
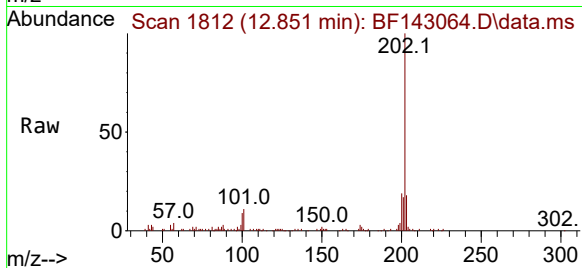
Tgt Ion:202 Resp: 49643

Ion Ratio Lower Upper

202 100

200 18.5 15.7 23.5

203 18.2 13.8 20.6



#79

Terphenyl-d14

Concen: 13.368 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143064.D

Acq: 09 Jul 2025 19:02

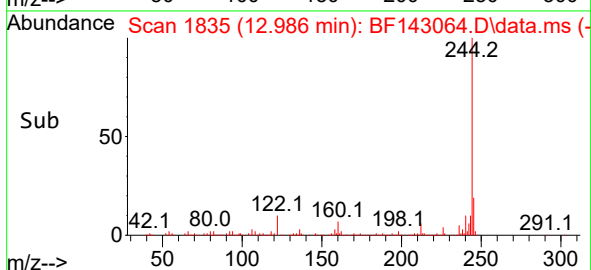
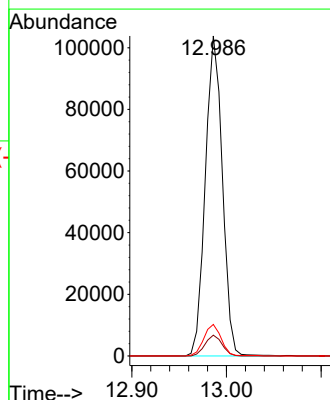
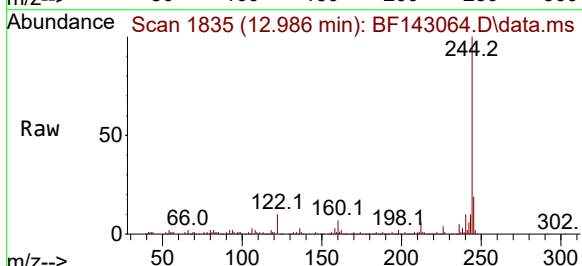
Tgt Ion:244 Resp: 129438

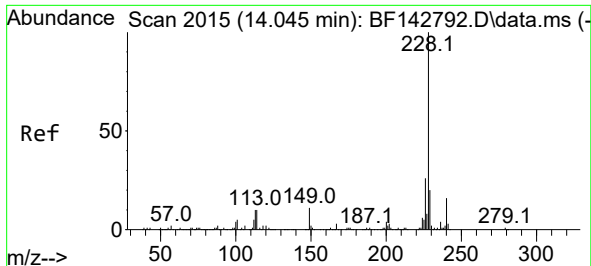
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.9 8.2 12.2

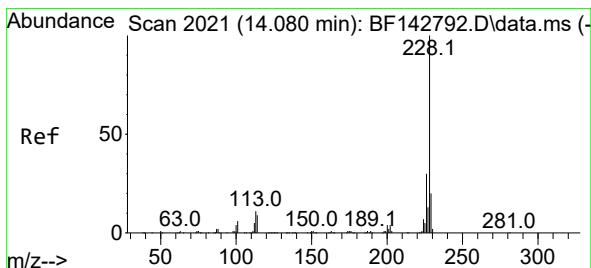
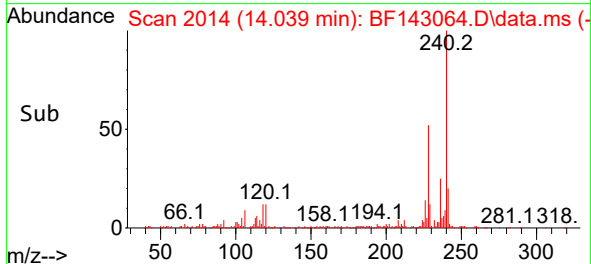
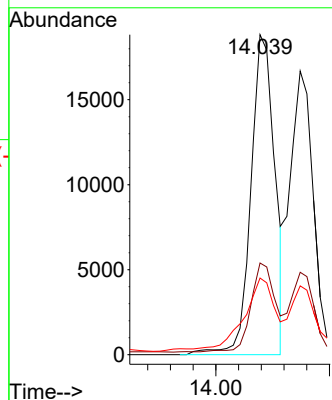
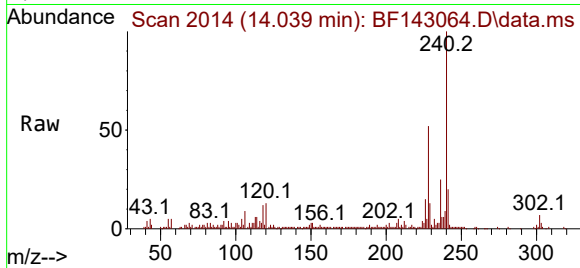




#81
Benzo(a)anthracene
Concen: 3.052 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

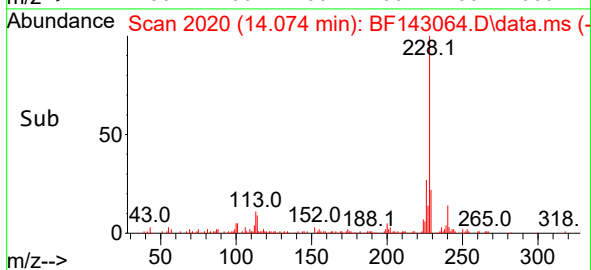
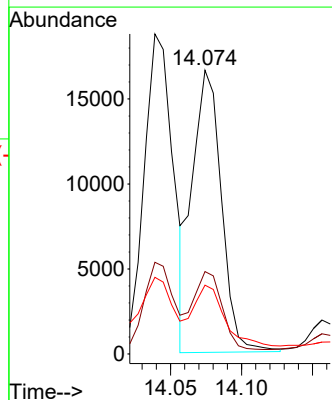
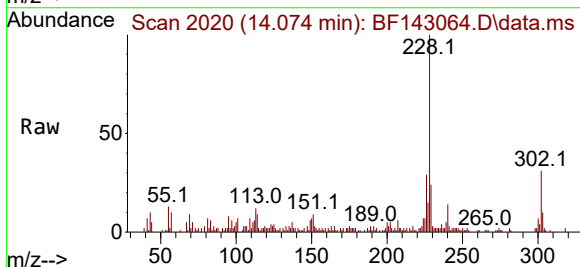
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

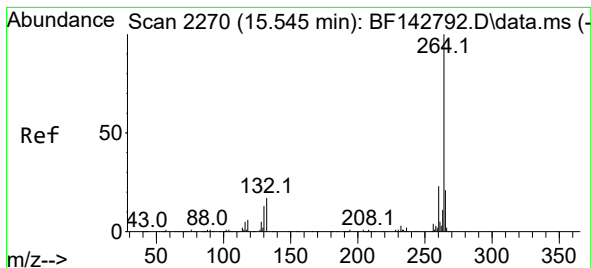
Tgt Ion:228 Resp: 27541
Ion Ratio Lower Upper
228 100
226 28.6 21.2 31.8
229 23.9 15.6 23.4#



#83
Chrysene
Concen: 2.932 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143064.D
Acq: 09 Jul 2025 19:02

Tgt Ion:228 Resp: 23616
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 24.3 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143064.D

Acq: 09 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

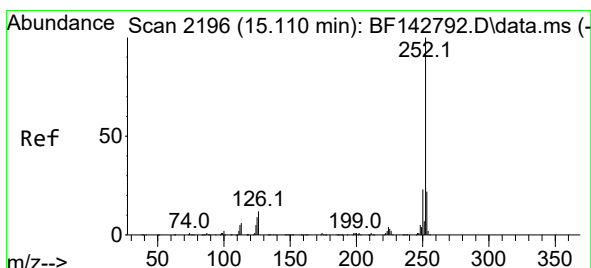
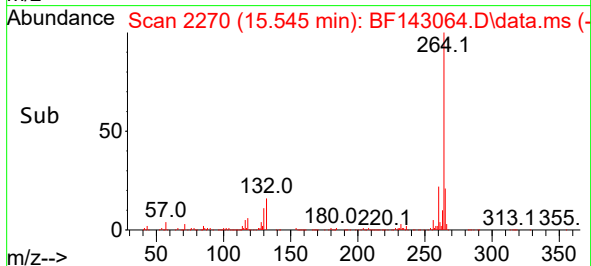
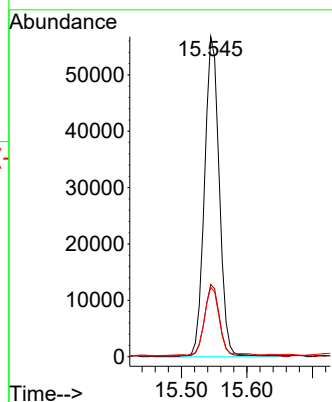
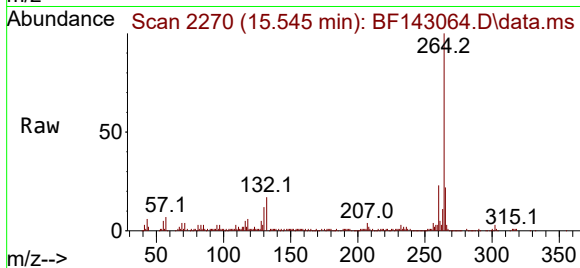
Tgt Ion:264 Resp: 89246

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 21.7 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.027 ng m

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143064.D

Acq: 09 Jul 2025 19:02

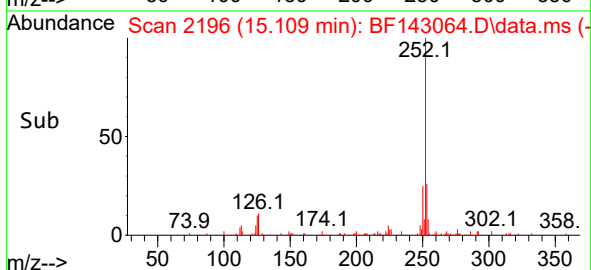
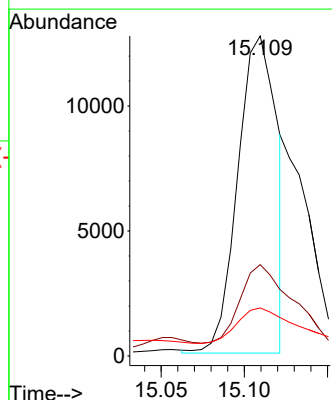
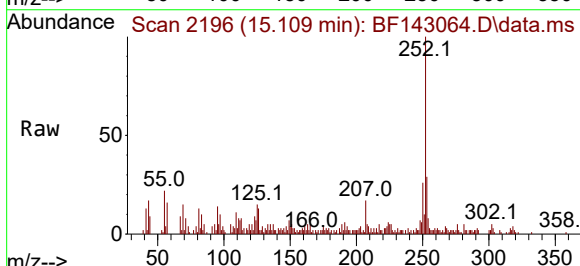
Tgt Ion:252 Resp: 20795

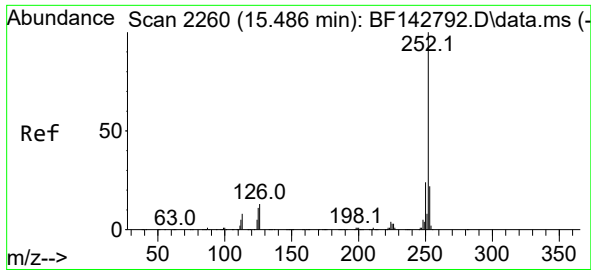
Ion Ratio Lower Upper

252 100

253 28.6 17.5 26.3#

125 15.0 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.950 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143064.D

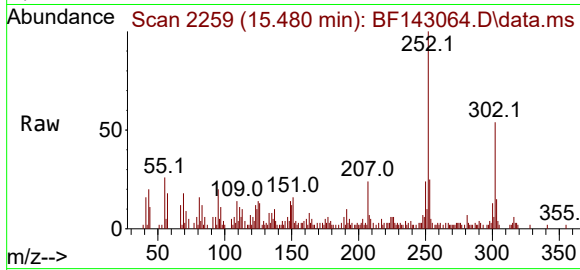
Acq: 09 Jul 2025 19:02

Instrument :

BNA_F

ClientSampleId :

G4(0-6)



Tgt Ion:252 Resp: 14717

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 14.4 8.6 12.8#

