

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)

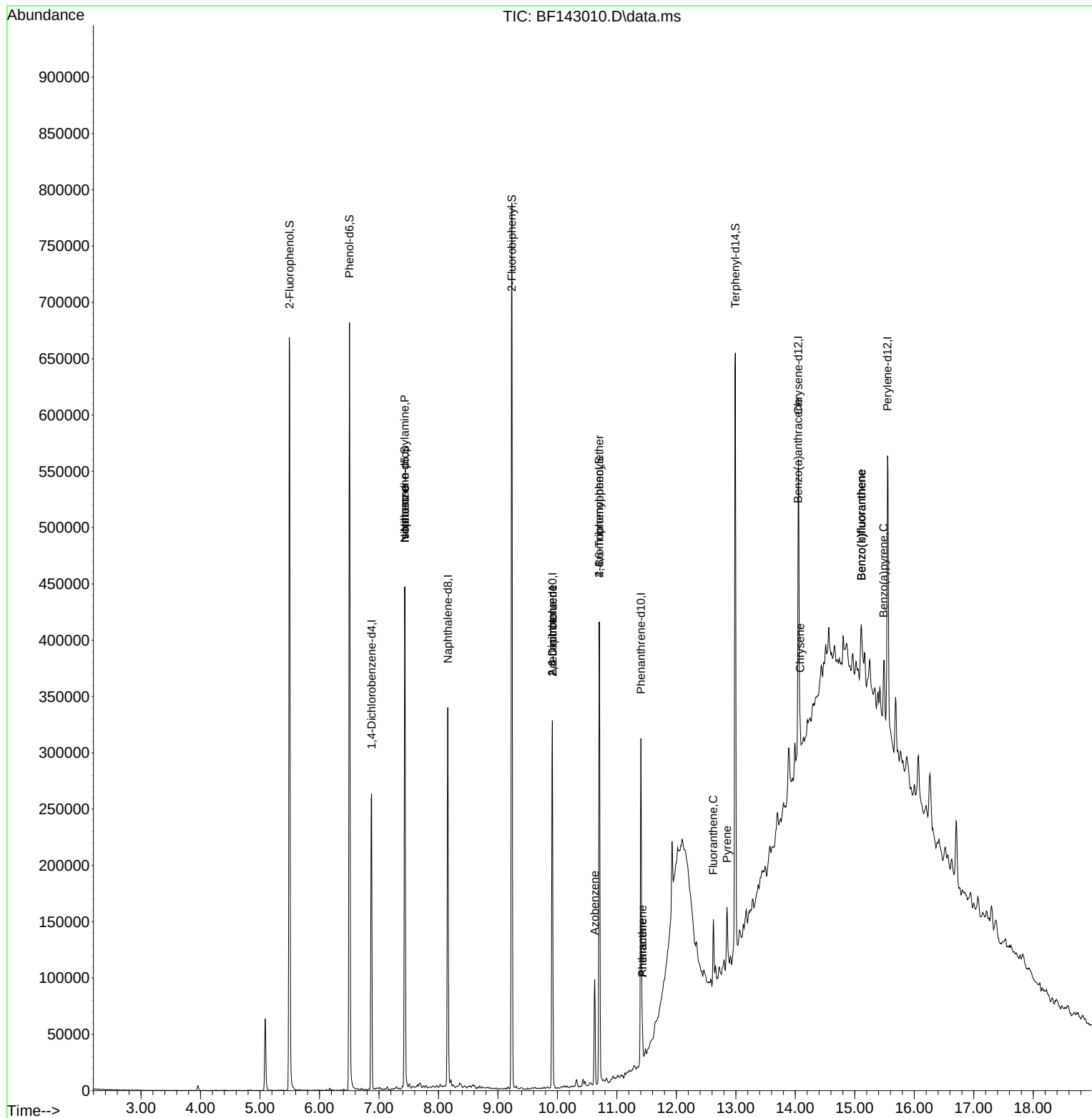
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59682	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	212123	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	99522	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147264	20.000	ng	0.00
76) Chrysene-d12	14.051	240	121624	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.433	70	25846	10.508	ng	# 77
25) Isophorone	7.433	82	190227	30.663	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12709	8.983	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12709	6.763	ng	# 26
63) Azobenzene	10.627	77	21804	3.862	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4585	2.736	ng	# 1
71) Phenanthrene	11.427	178	16459	2.063	ng	98
72) Anthracene	11.427	178	16459	2.012	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	33025	3.978	ng	# 70
89) Benzo(k)fluoranthene	15.109	252	33025	4.252	ng	# 70
90) Benzo(a)pyrene	15.486	252	17329	2.161	ng	# 73

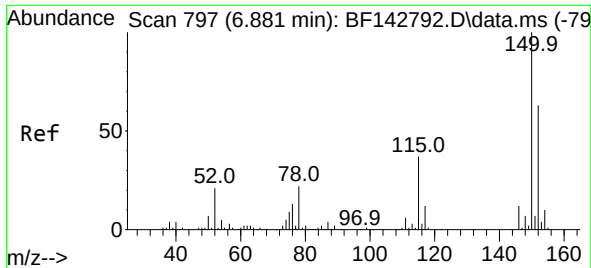
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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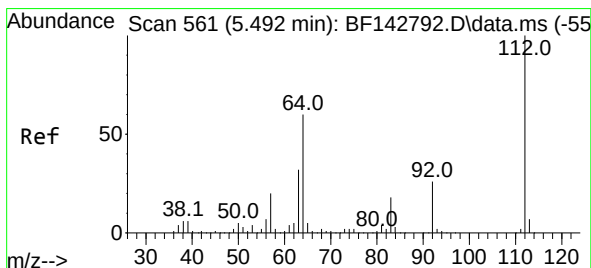
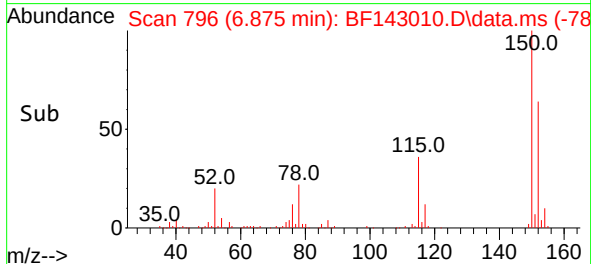
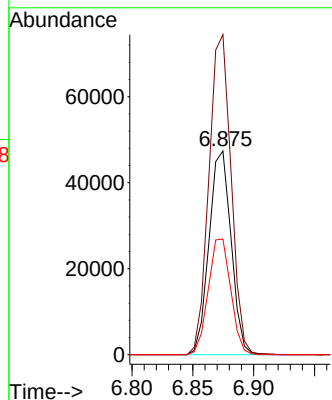
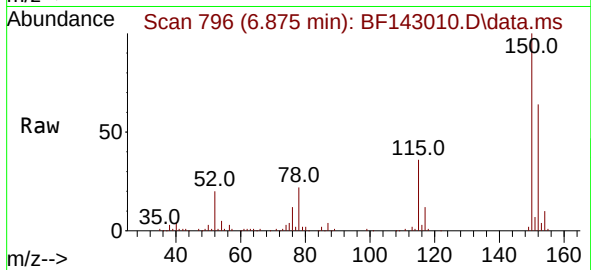




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143010.D
 Acq: 07 Jul 2025 15:48

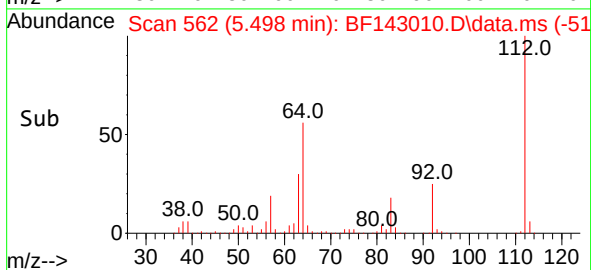
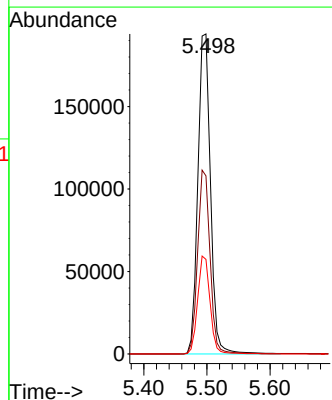
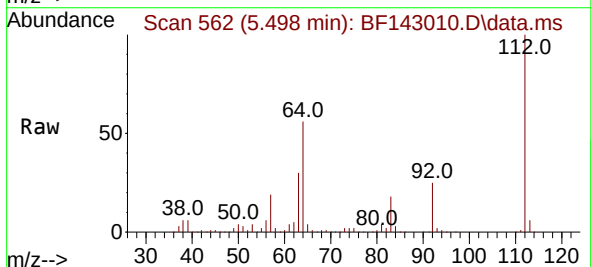
Instrument :
 BNA_F
 ClientSampleId :
 G2(6-12)

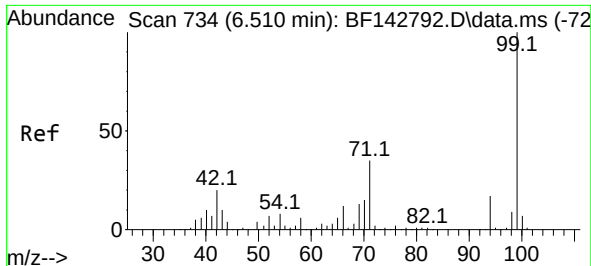
Tgt Ion:152 Resp: 59682
 Ion Ratio Lower Upper
 152 100
 150 157.1 127.2 190.8
 115 56.8 46.6 69.8



#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

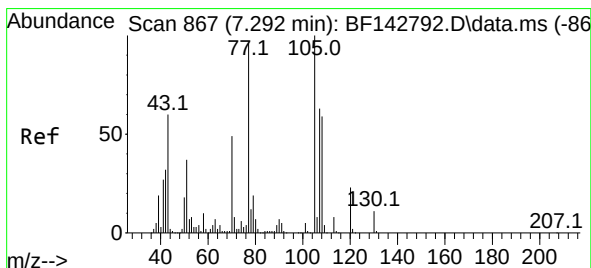
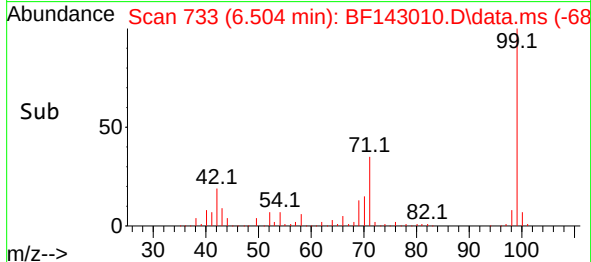
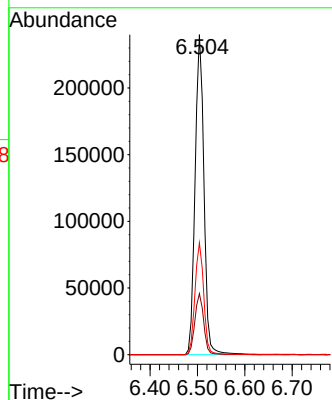
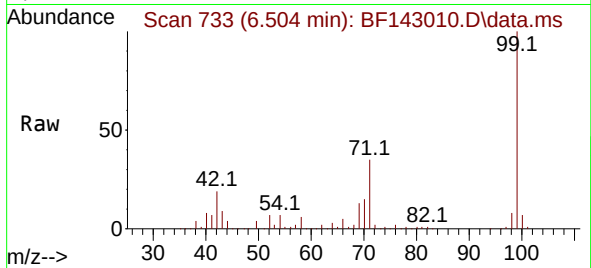




#7
Phenol-d6
Concen: 73.809 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

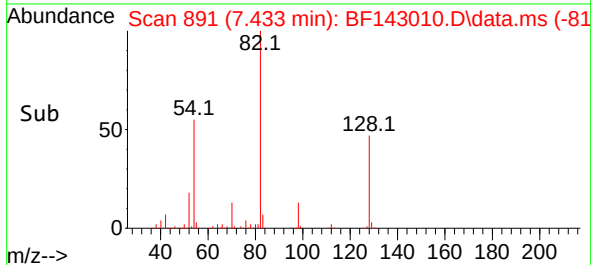
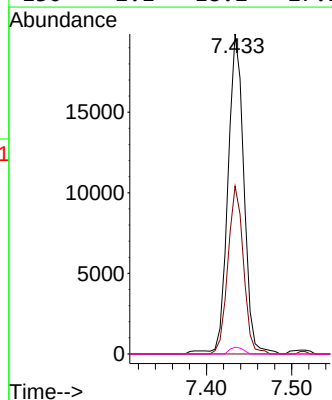
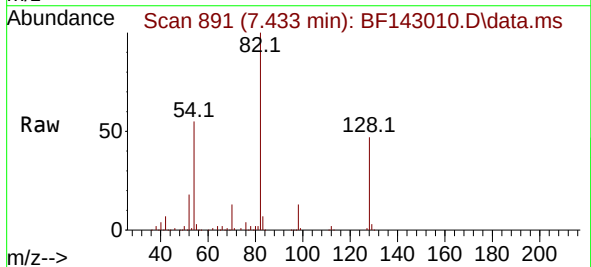
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

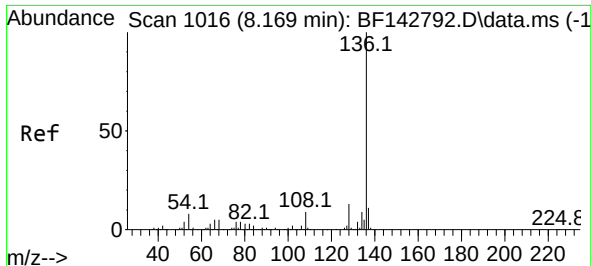
Tgt Ion: 99 Resp: 312152
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.9 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.508 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

Tgt Ion: 70 Resp: 25846
Ion Ratio Lower Upper
70 100
42 52.4 52.1 78.1
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#

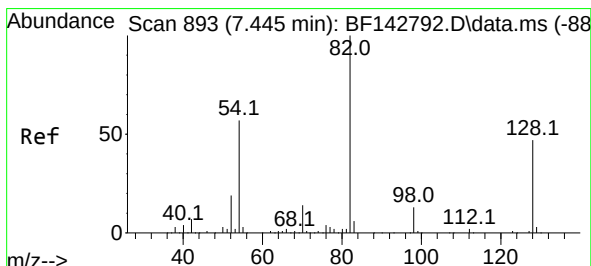
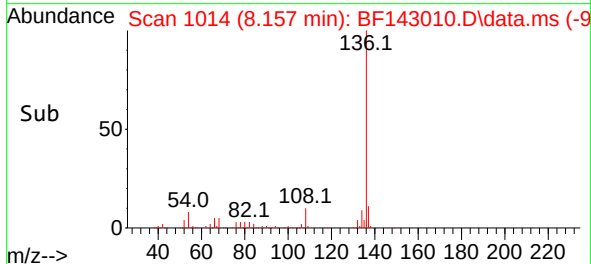
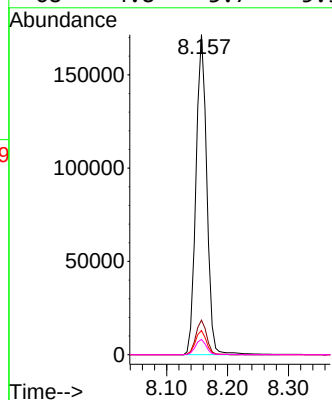
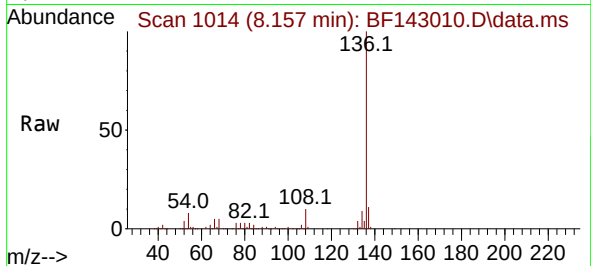




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

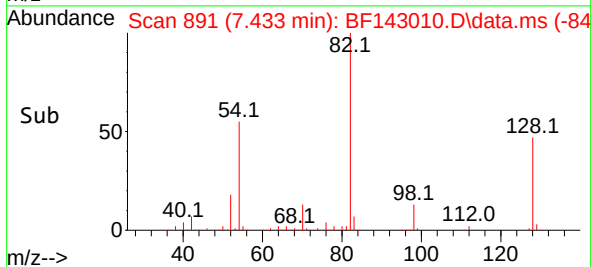
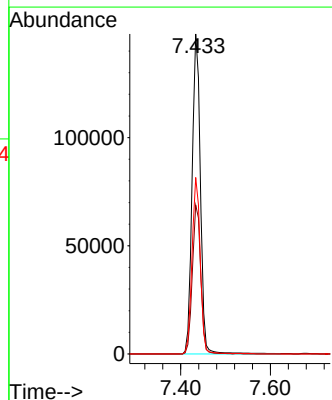
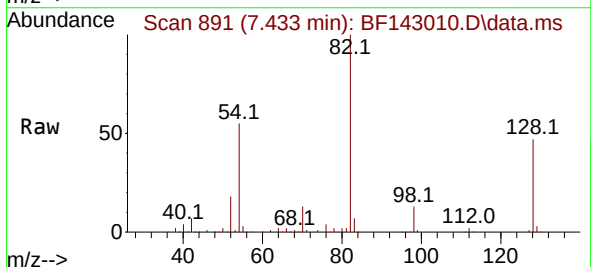
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

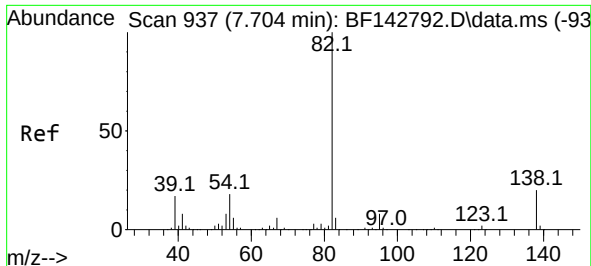
Tgt Ion:136 Resp: 212123
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 49.189 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

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

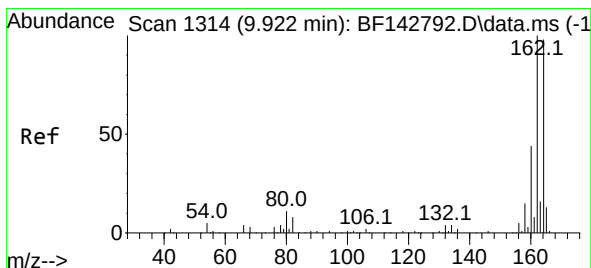
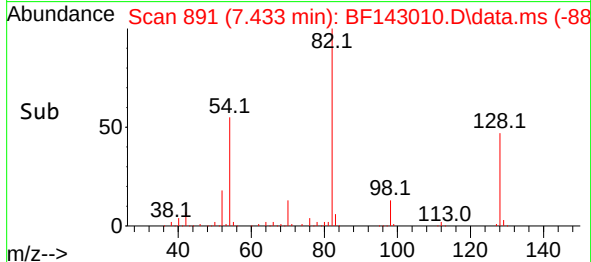
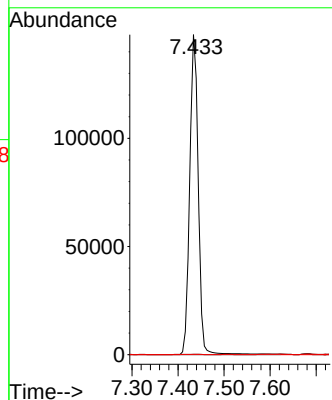
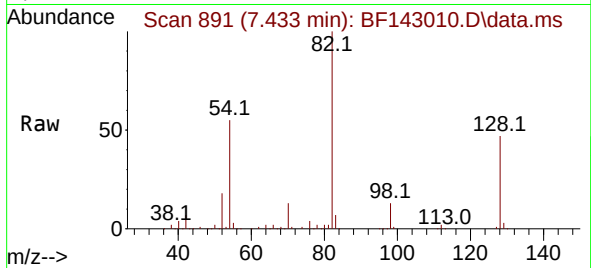




#25
Isophorone
Concen: 30.663 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

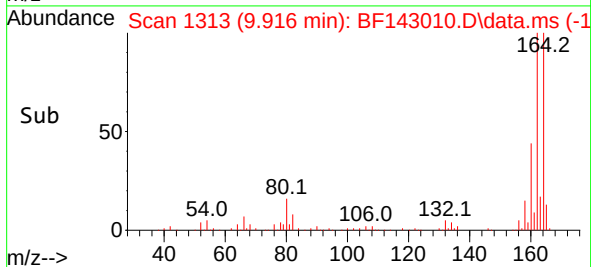
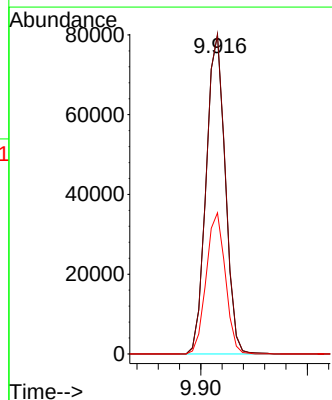
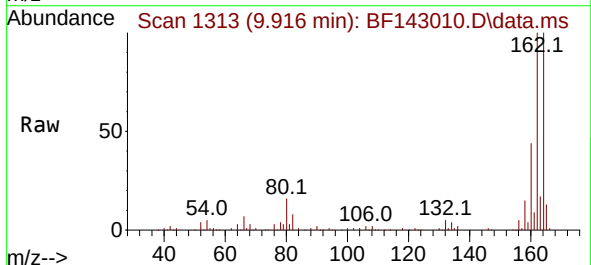
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

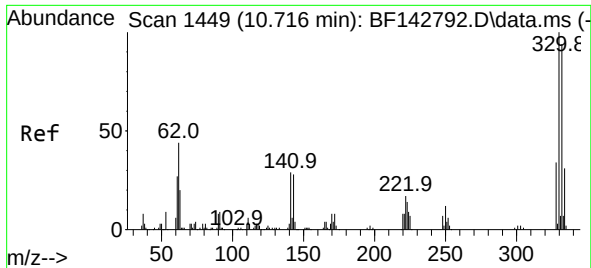
Tgt Ion: 82 Resp: 190227
Ion Ratio Lower Upper
82 100
95 0.2 6.2 9.2#
138 0.0 16.2 24.4#



#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)

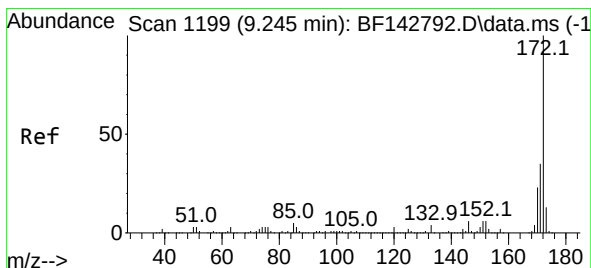
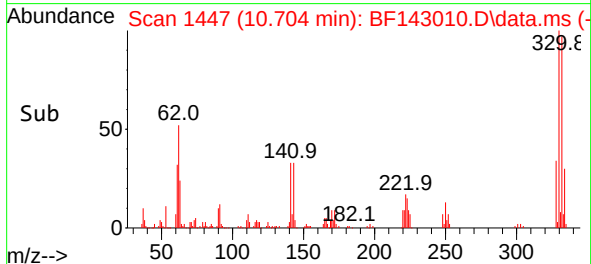
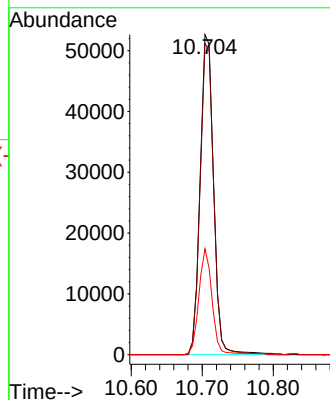
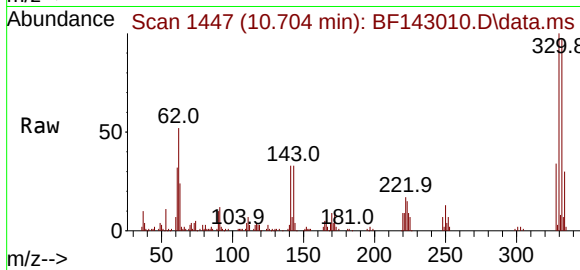
Tgt Ion:330 Resp: 69586

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

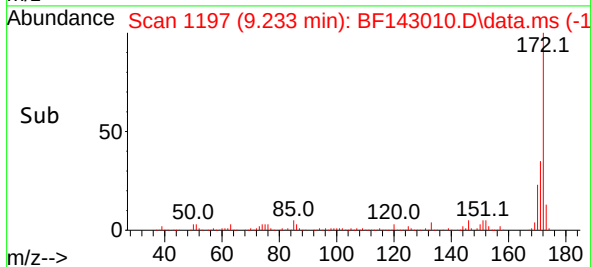
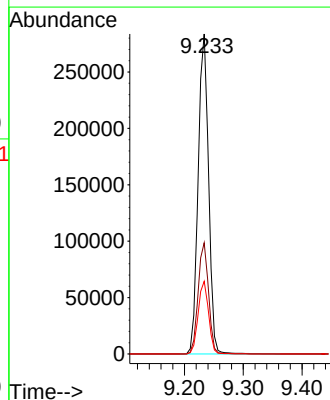
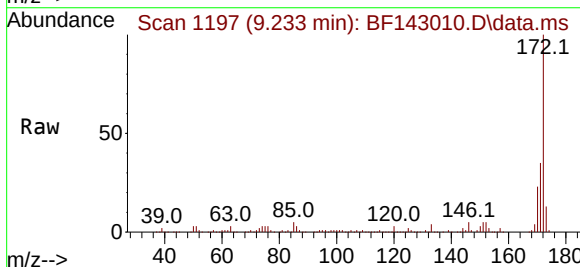
Tgt Ion:172 Resp: 349038

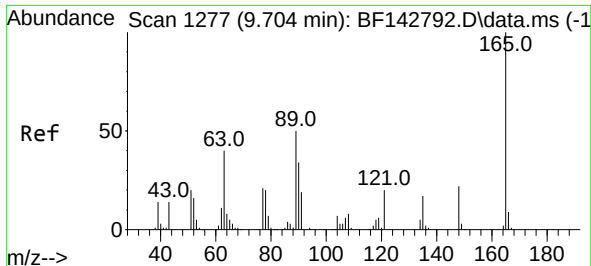
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.7 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.983 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

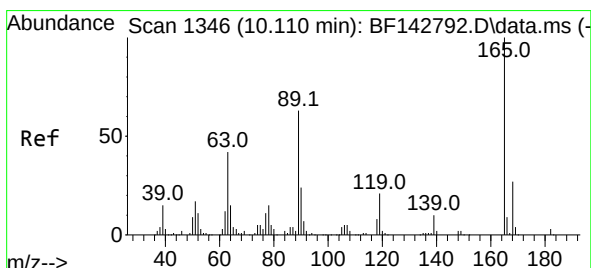
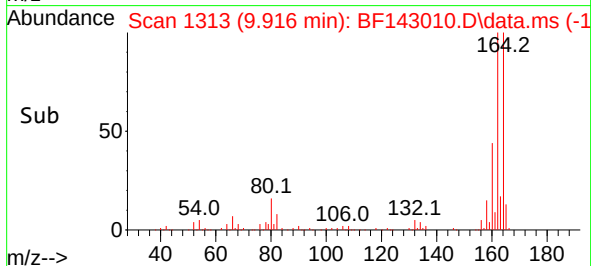
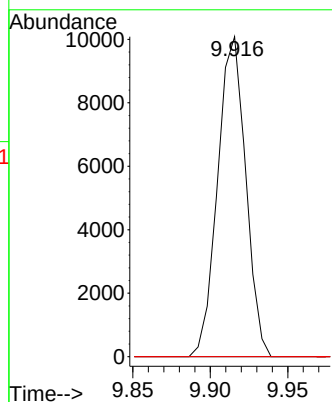
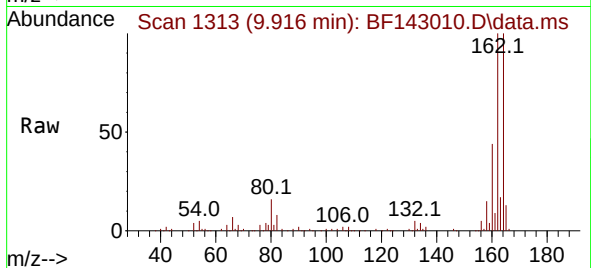
Tgt Ion:165 Resp: 12709

Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#



#57

2,4-Dinitrotoluene

Concen: 6.763 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Tgt Ion:165 Resp: 12709

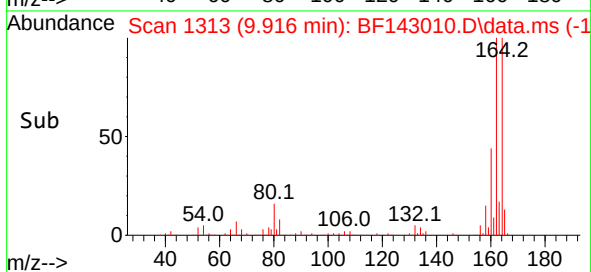
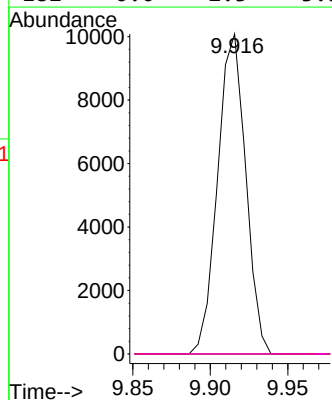
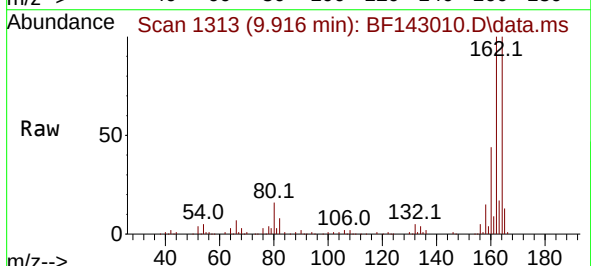
Ion Ratio Lower Upper

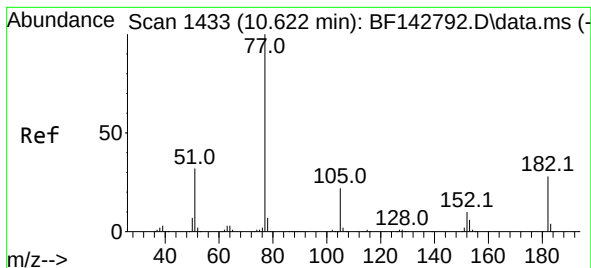
165 100

63 0.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.862 ng

RT: 10.627 min Scan# 1433

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: 77 Resp: 21804

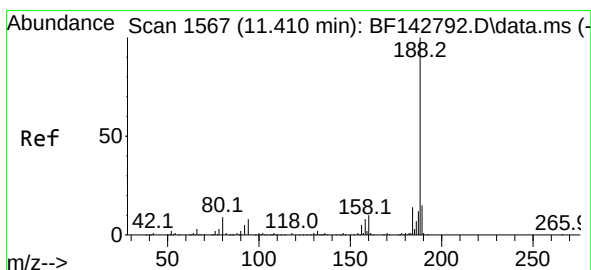
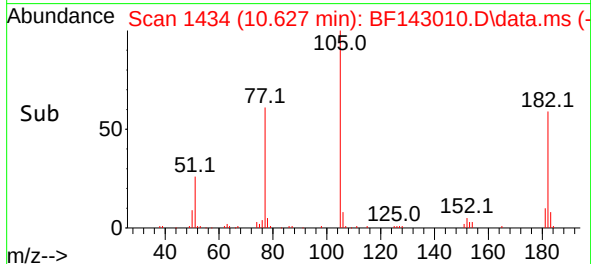
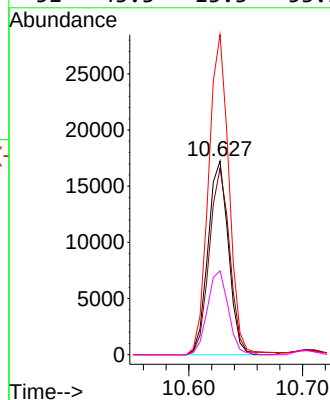
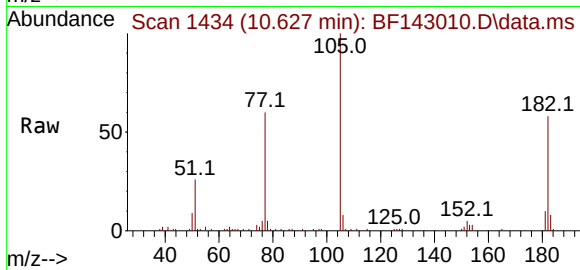
Ion Ratio Lower Upper

77 100

182 96.3 7.7 47.7#

105 165.3 1.9 41.9#

51 43.3 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

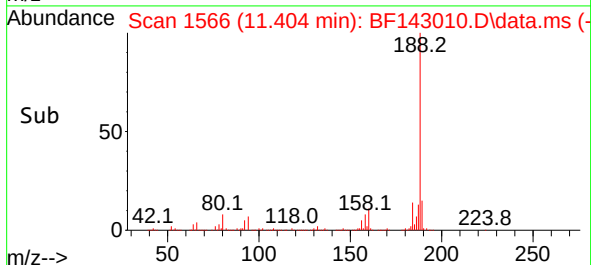
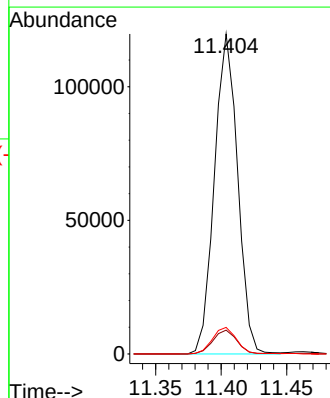
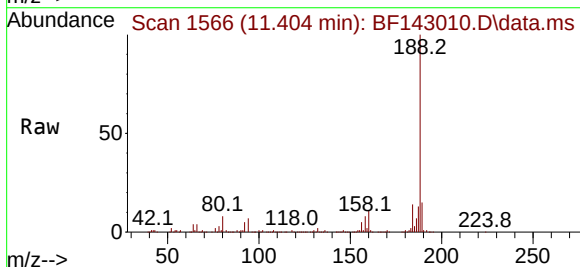
Tgt Ion: 188 Resp: 147264

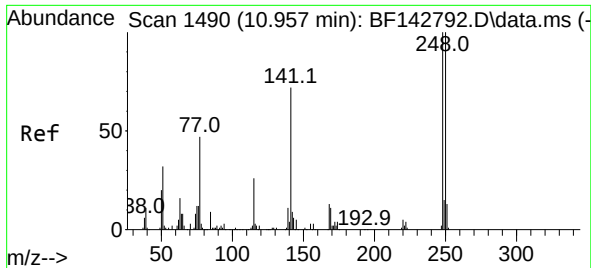
Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 8.3 6.9 10.3

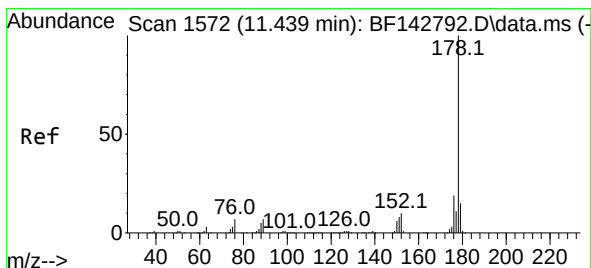
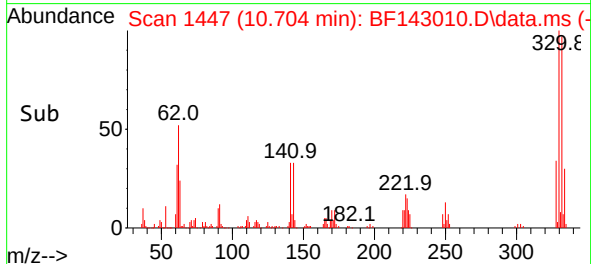
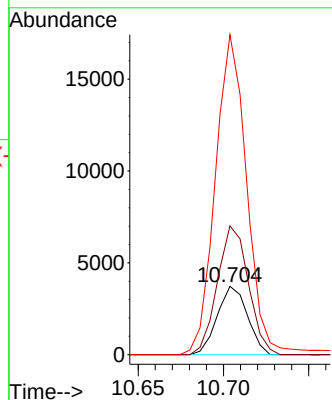
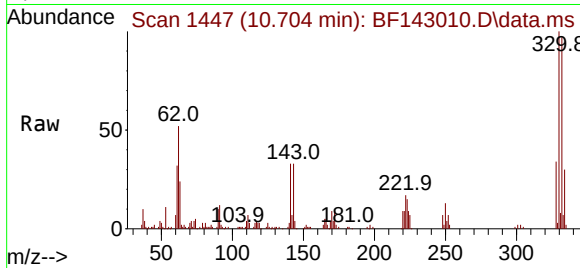




#67
4-Bromophenyl-phenylether
Concen: 2.736 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

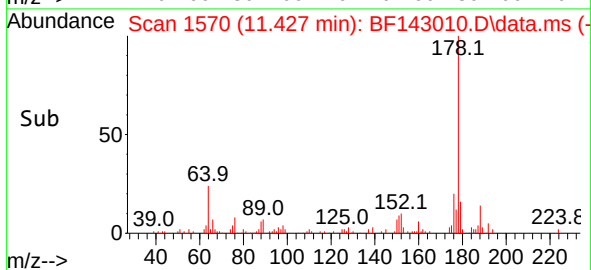
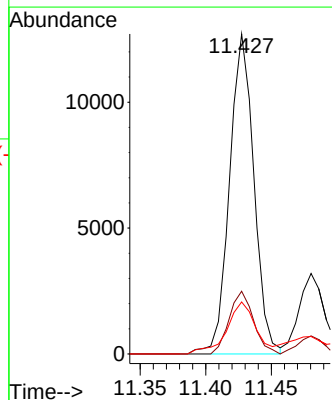
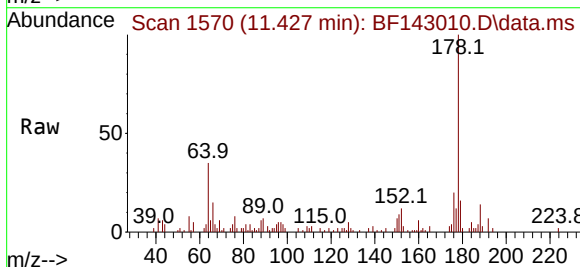
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

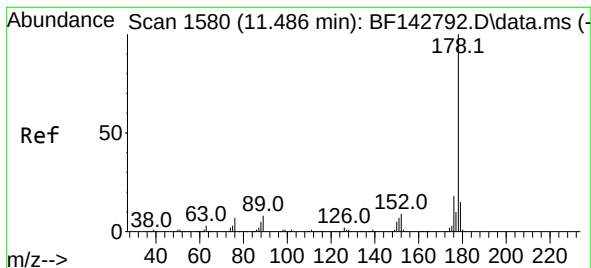
Tgt Ion:248 Resp: 4585
Ion Ratio Lower Upper
248 100
250 188.7 79.8 119.8#
141 468.8 57.8 86.6#



#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





#72

Anthracene

Concen: 2.012 ng

RT: 11.427 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

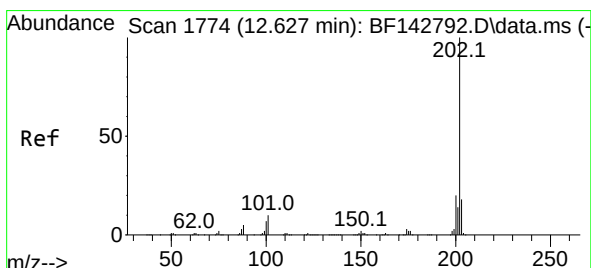
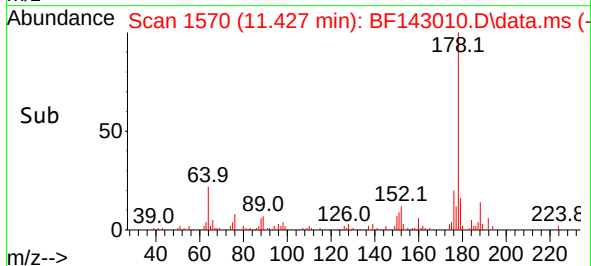
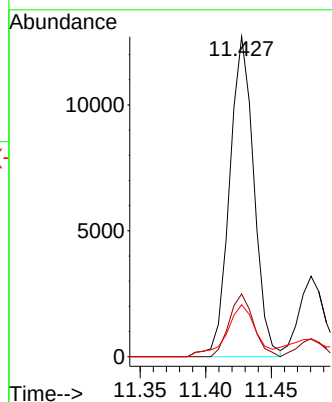
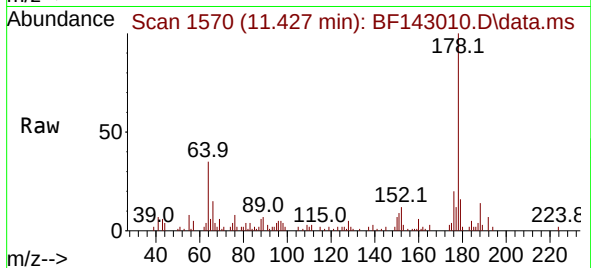
Tgt Ion:178 Resp: 16459

Ion Ratio Lower Upper

178 100

176 19.6 14.6 21.8

179 16.2 12.4 18.6



#75

Fluoranthene

Concen: 4.002 ng

RT: 12.621 min Scan# 1773

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

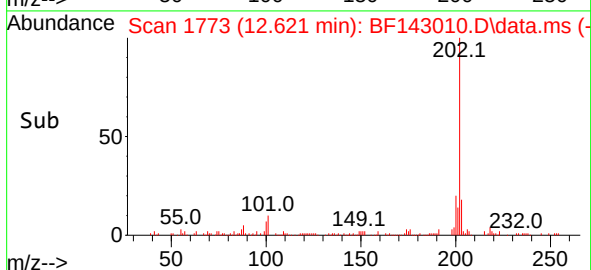
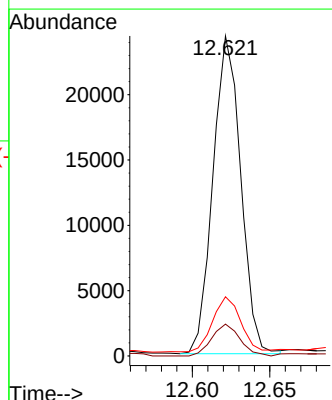
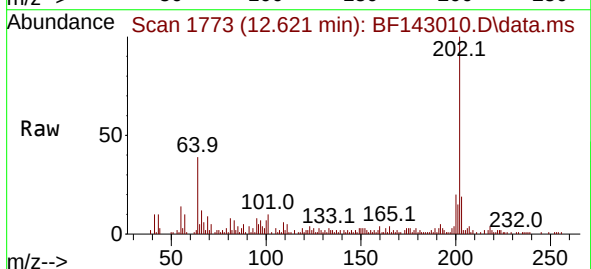
Tgt Ion:202 Resp: 30300

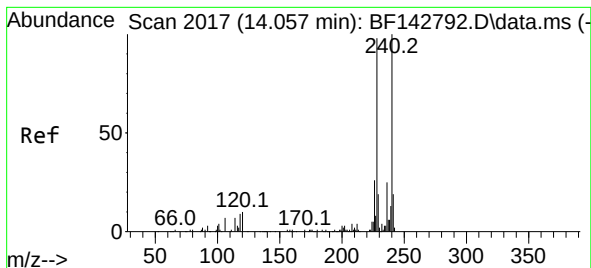
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.006 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

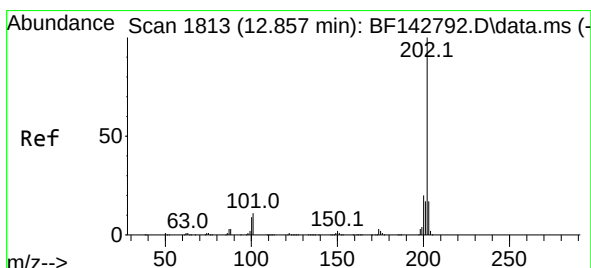
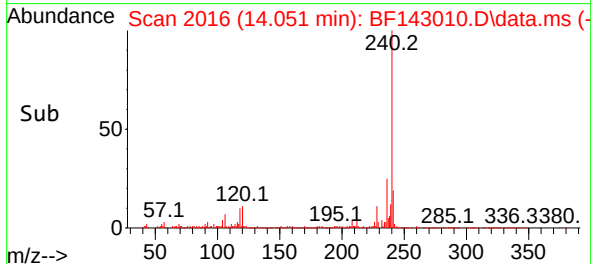
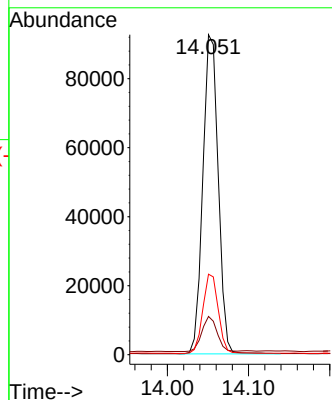
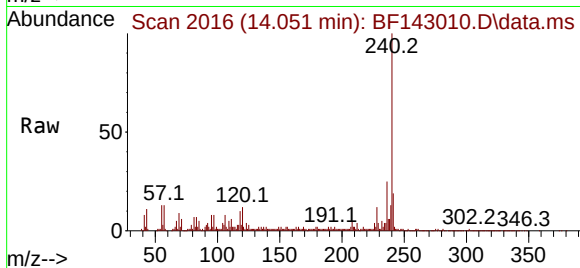
Tgt Ion:240 Resp: 121624

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

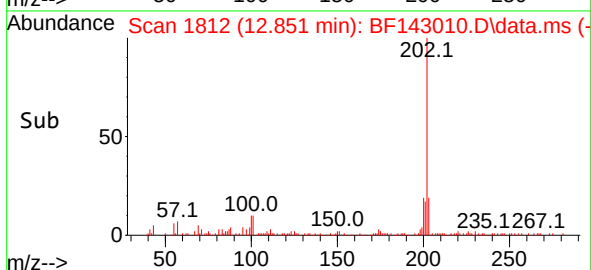
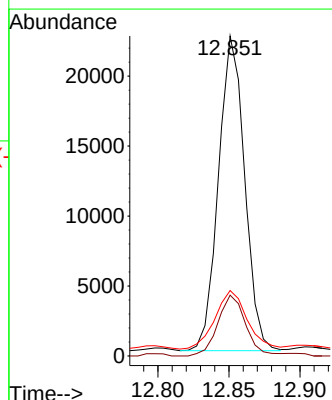
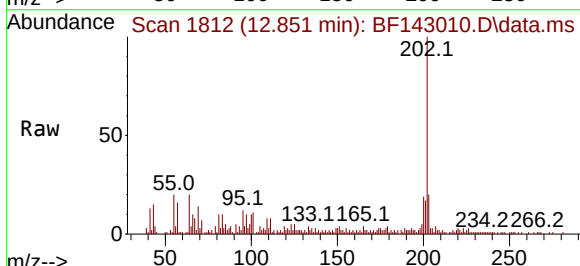
Tgt Ion:202 Resp: 28823

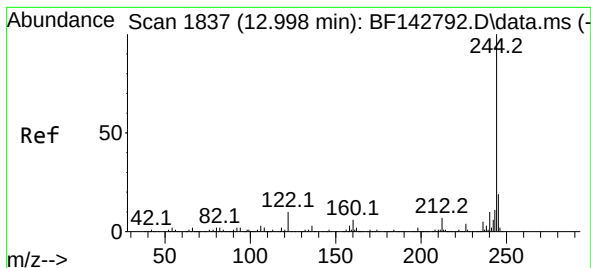
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

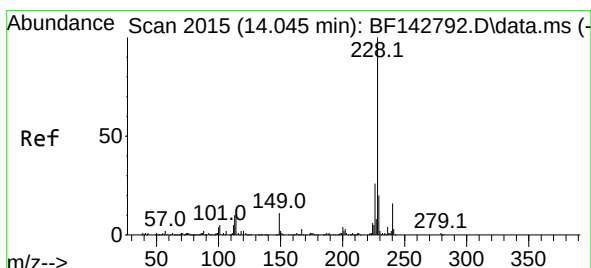
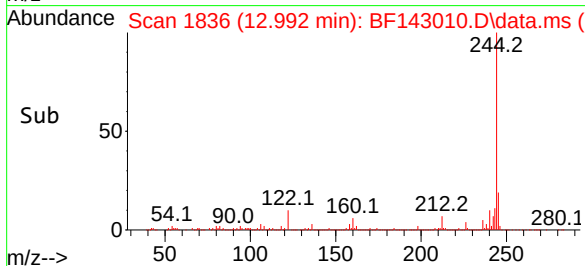
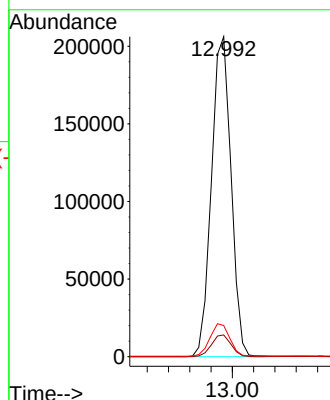
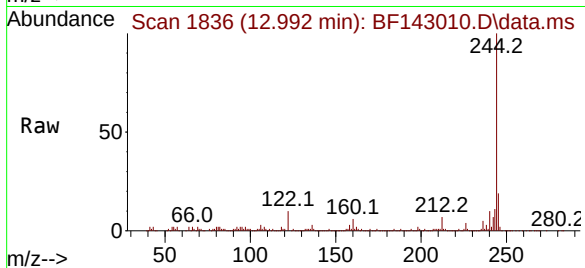
Tgt Ion:244 Resp: 263047

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

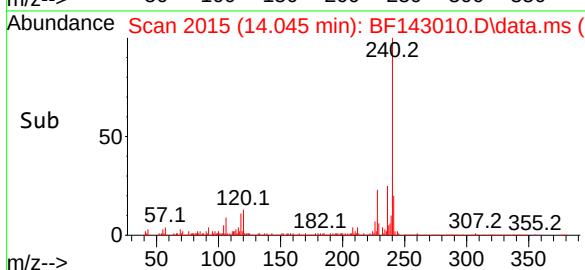
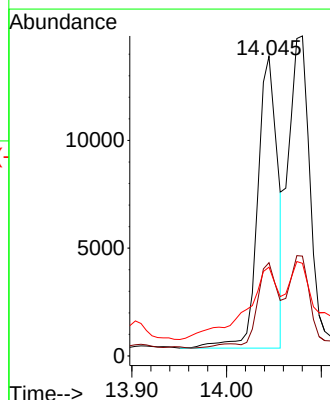
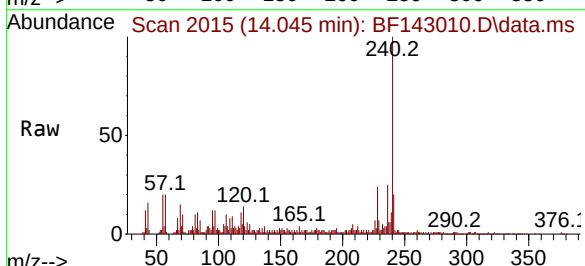
Tgt Ion:228 Resp: 19774

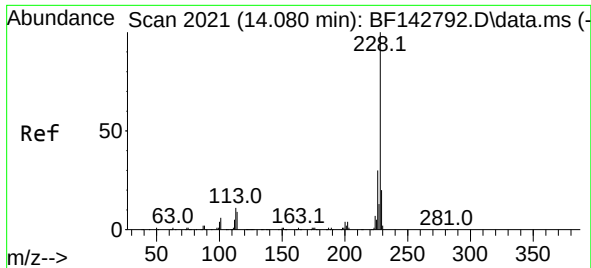
Ion Ratio Lower Upper

228 100

226 31.1 21.2 31.8

229 29.6 15.6 23.4#

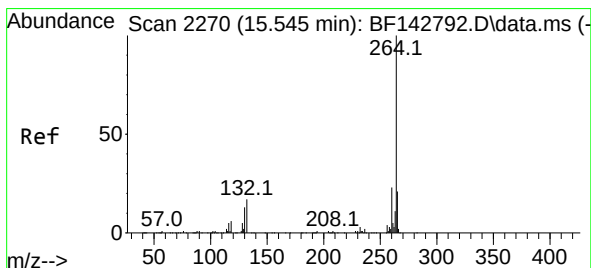
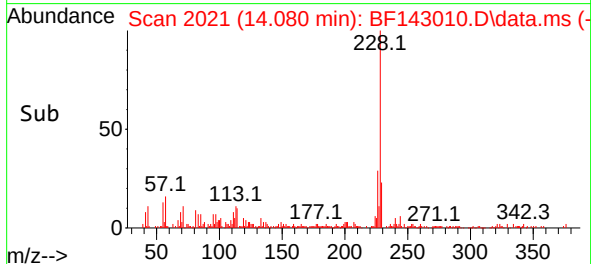
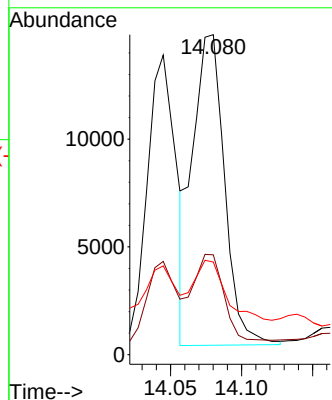
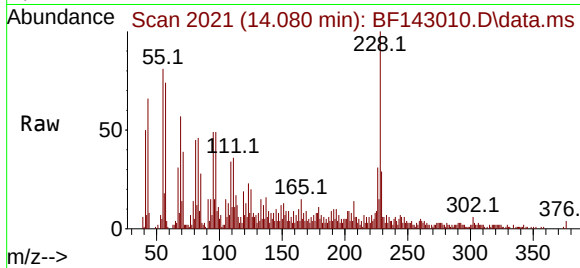




#83
Chrysene
Concen: 3.079 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

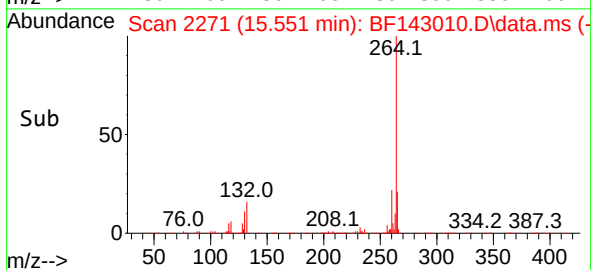
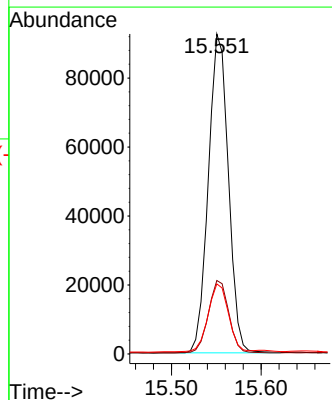
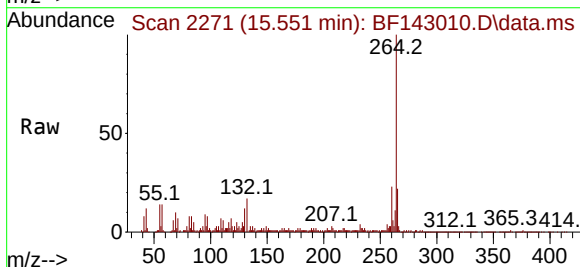
Instrument :
BNA_F
ClientSampleId :
G2(6-12)

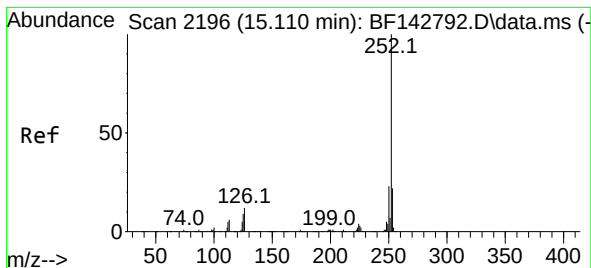
Tgt Ion:228 Resp: 22539
Ion Ratio Lower Upper
228 100
226 31.2 23.7 35.5
229 29.0 15.7 23.5#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143010.D
Acq: 07 Jul 2025 15:48

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: 3.978 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

Instrument :

BNA_F

ClientSampleId :

G2(6-12)

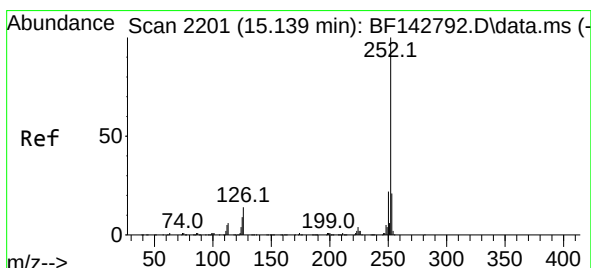
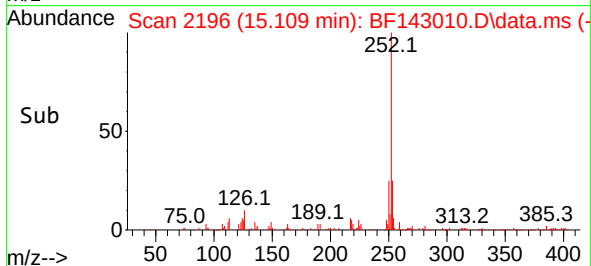
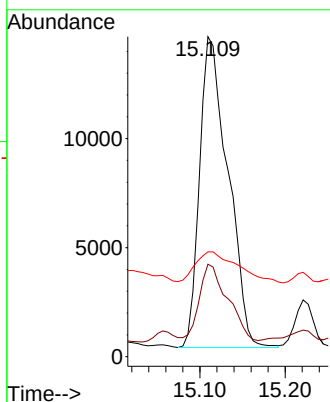
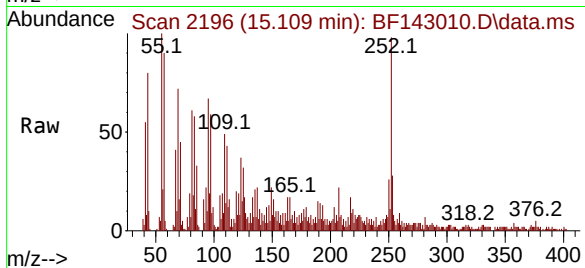
Tgt Ion:252 Resp: 33025

Ion Ratio Lower Upper

252 100

253 28.9 17.5 26.3#

125 32.8 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.252 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF143010.D

Acq: 07 Jul 2025 15:48

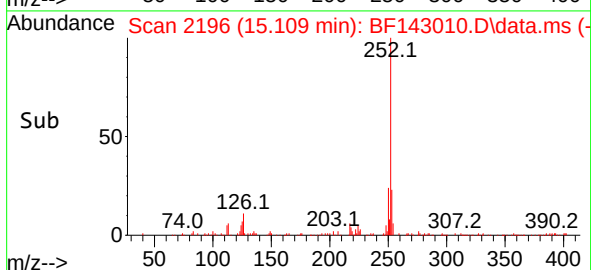
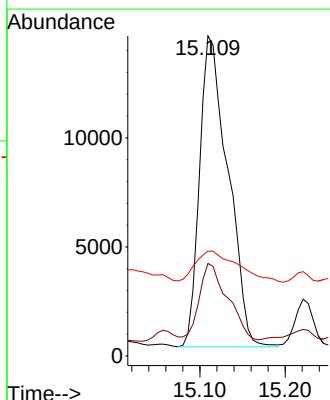
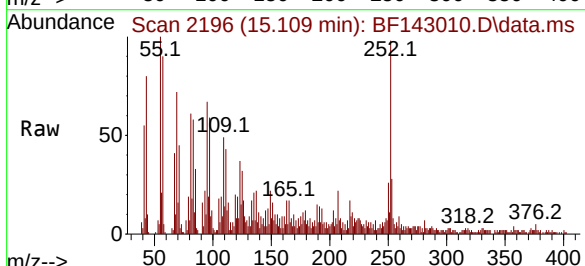
Tgt Ion:252 Resp: 33025

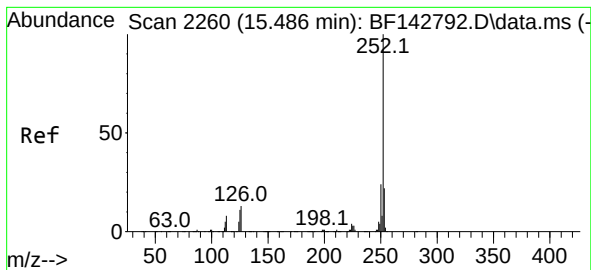
Ion Ratio Lower Upper

252 100

253 28.9 17.2 25.8#

125 32.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.161 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143010.D

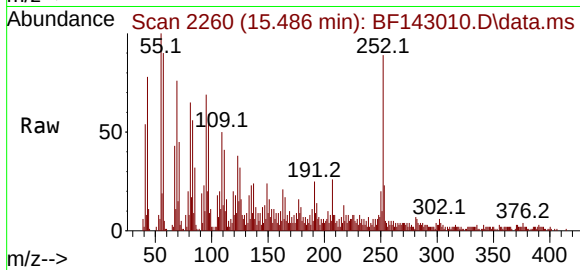
Acq: 07 Jul 2025 15:48

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#

