

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143068.D
 Acq On : 09 Jul 2025 21:04
 Operator : RC/JU
 Sample : Q2487-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G3(0-6)

Quant Time: Jul 10 00:58:17 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)

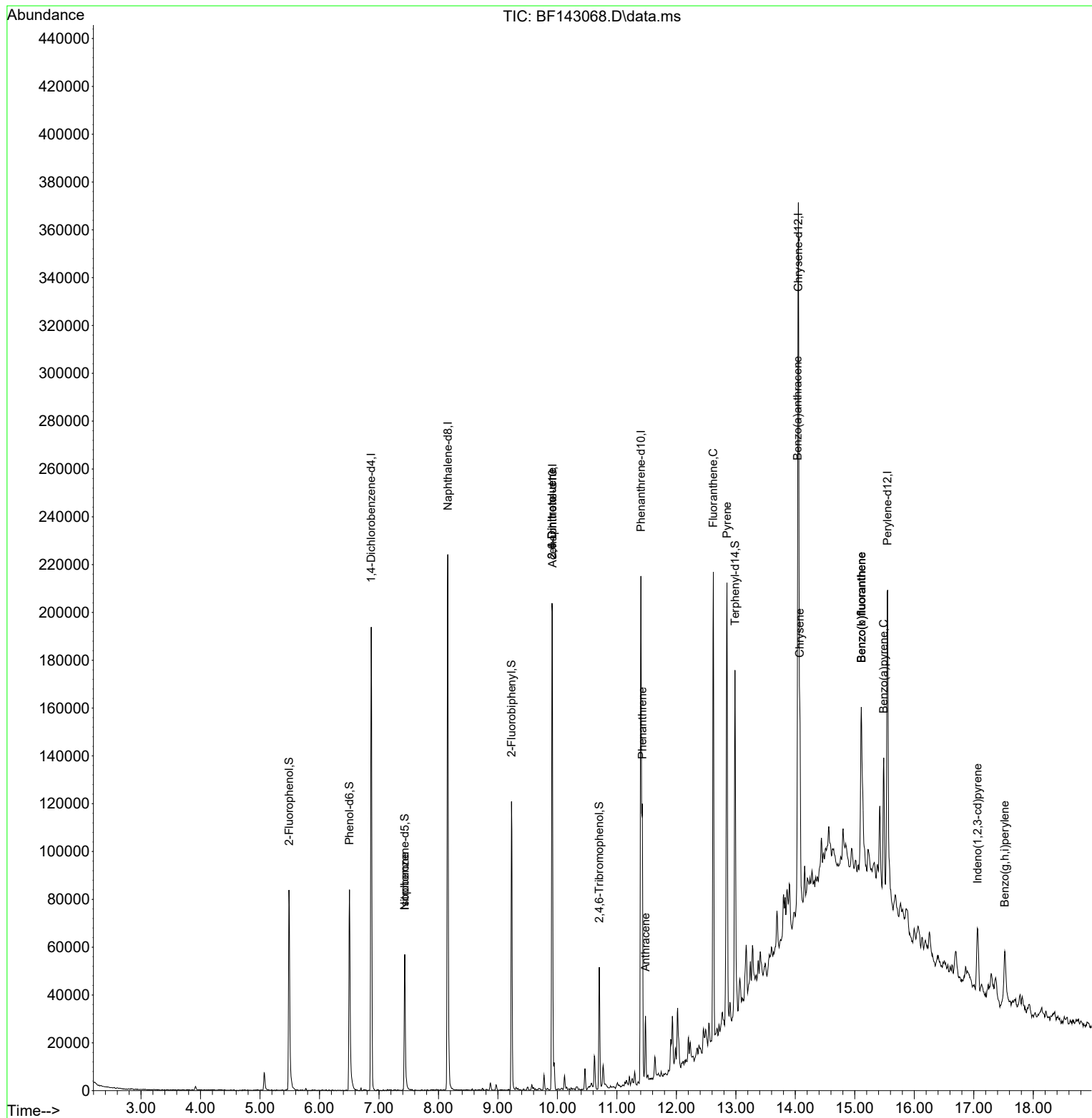
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	43463	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	148519	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	64447	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	109030	20.000	ng	0.00
76) Chrysene-d12	14.051	240	112715	20.000	ng	0.00
86) Perylene-d12	15.551	264	74278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	40390	15.472	ng	0.00
7) Phenol-d6	6.504	99	47521	15.429	ng	0.00
23) Nitrobenzene-d5	7.434	82	27724	10.239	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	8917	13.445	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	57244	11.668	ng	-0.02
79) Terphenyl-d14	12.986	244	64134	7.862	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.434	82	27724	6.383	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	8548	9.330	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	8548	7.024	ng	# 26
71) Phenanthrene	11.427	178	61813	10.466	ng	100
72) Anthracene	11.480	178	16496	2.723	ng	99
75) Fluoranthene	12.621	202	114860	20.492	ng	100
78) Pyrene	12.851	202	108633	10.282	ng	99
81) Benzo(a)anthracene	14.039	228	60280	7.928	ng	96
83) Chrysene	14.074	228	39851	5.873	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	18765	3.317	ng	98
88) Benzo(b)fluoranthene	15.110	252	56922	13.244	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	56922	14.156	ng	# 93
90) Benzo(a)pyrene	15.486	252	30605	7.371	ng	# 93
92) Benzo(g,h,i)perylene	17.521	276	19371	4.226	ng	97

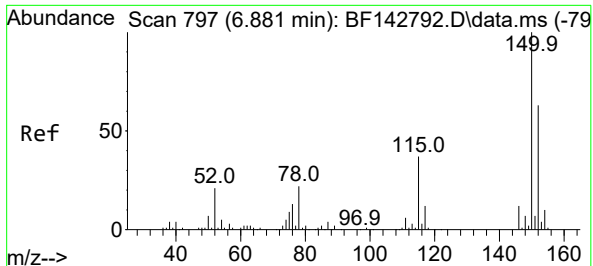
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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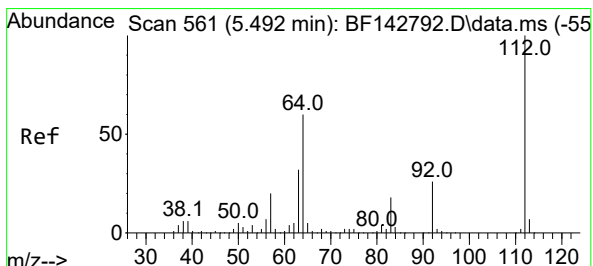
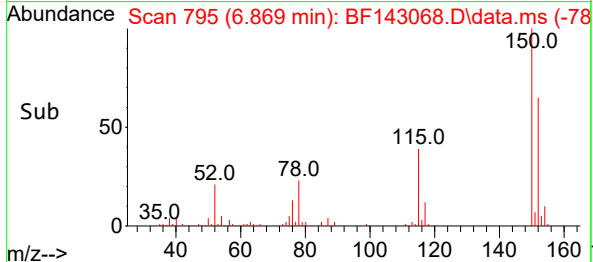
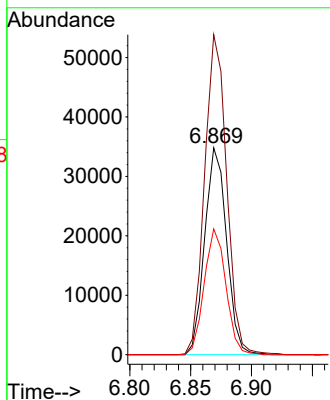
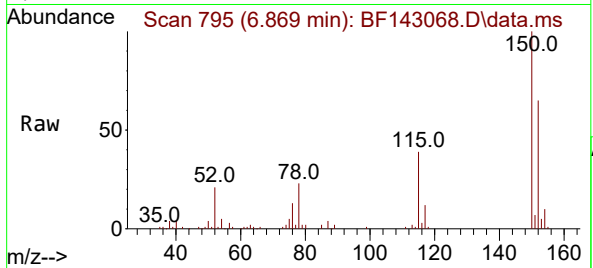




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

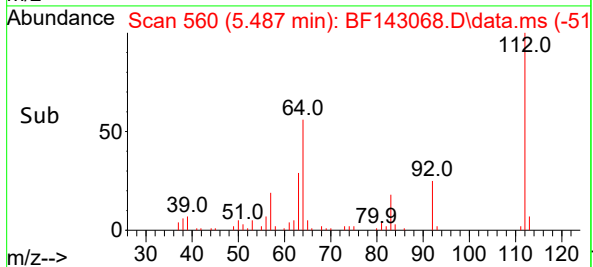
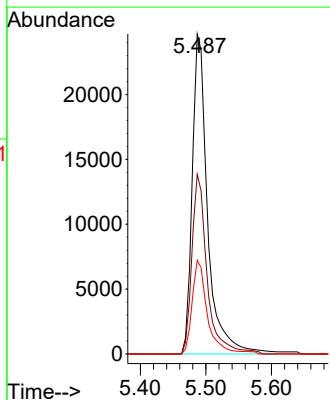
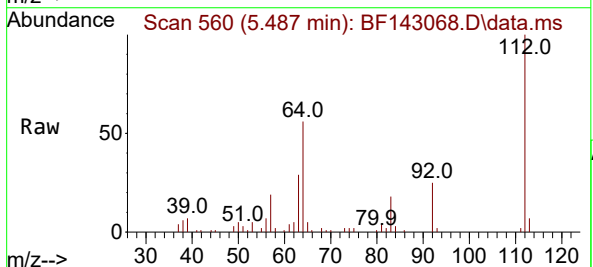
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

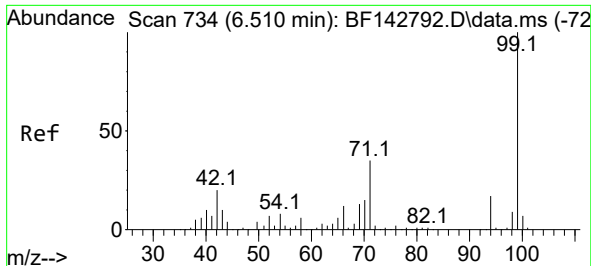
Tgt Ion:152 Resp: 43463
Ion Ratio Lower Upper
152 100
150 154.6 127.2 190.8
115 60.8 46.6 69.8



#5
2-Fluorophenol
Concen: 15.472 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:112 Resp: 40390
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.3 25.7 38.5

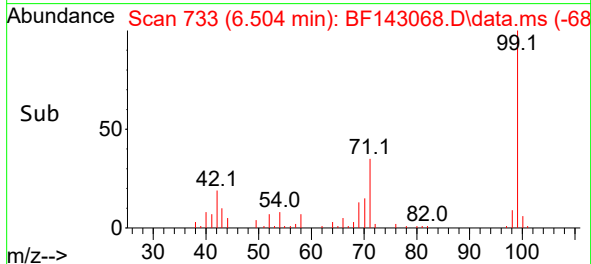
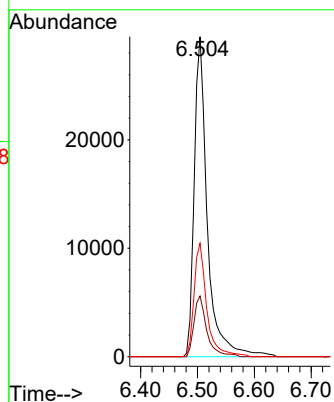
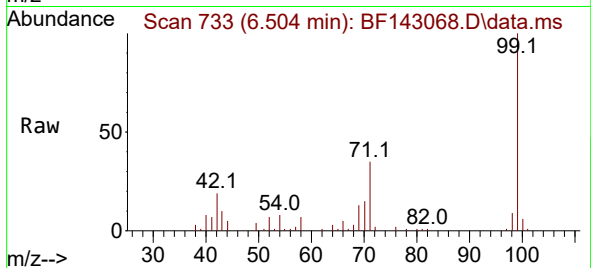




#7
Phenol-d6
Concen: 15.429 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

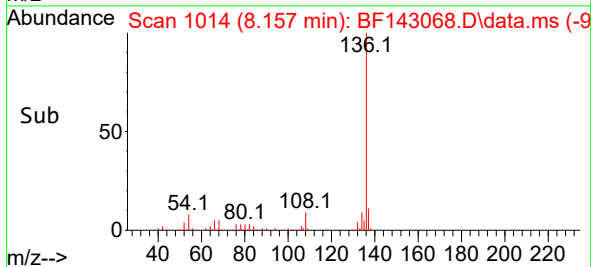
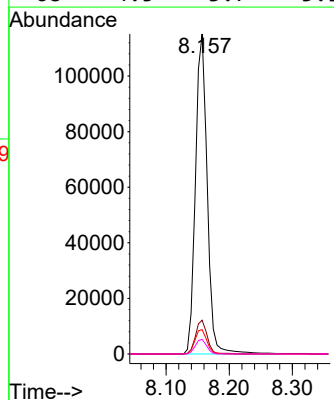
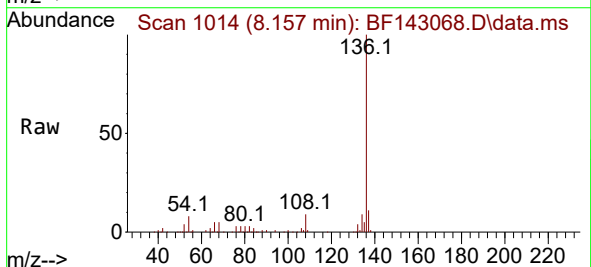
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

Tgt Ion: 99 Resp: 47521
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 35.5 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: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion: 136 Resp: 148519
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.6 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 10.239 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

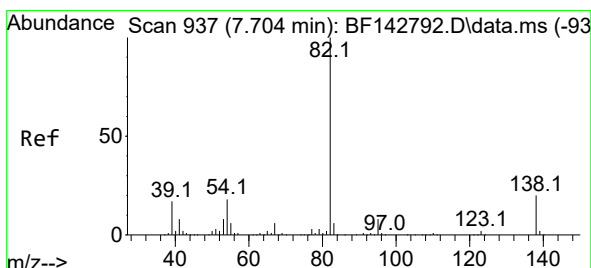
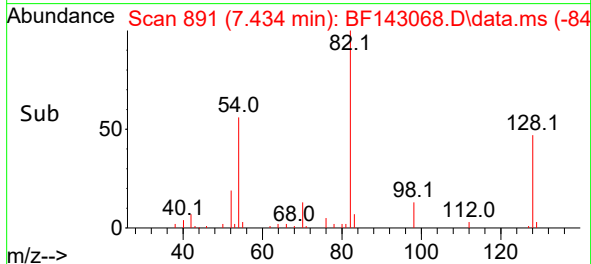
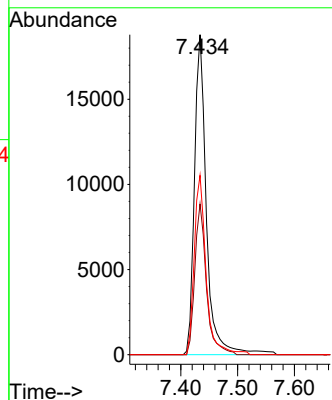
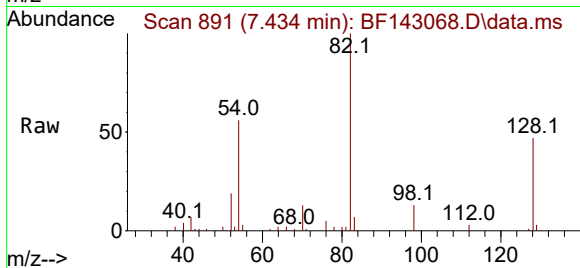
Tgt Ion: 82 Resp: 27724

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 56.1 45.7 68.5



#25

Isophorone

Concen: 6.383 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.271 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

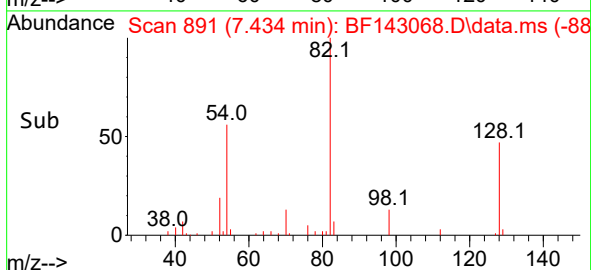
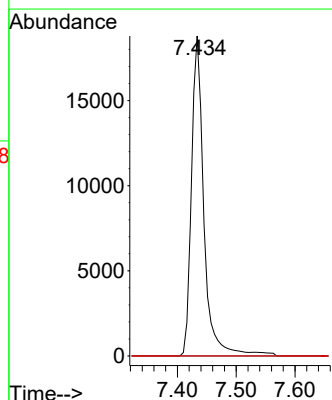
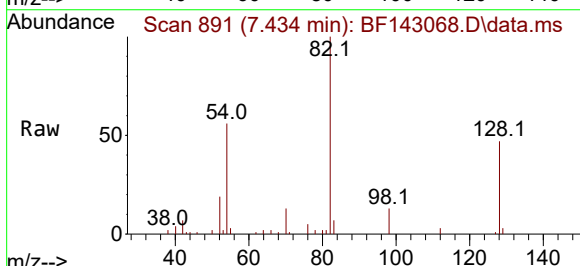
Tgt Ion: 82 Resp: 27724

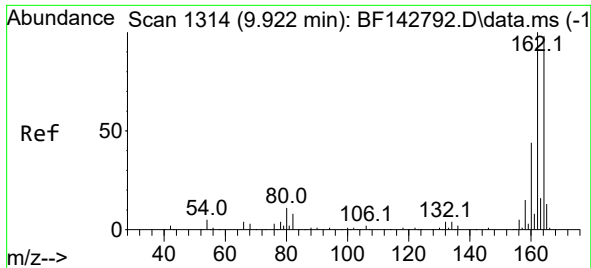
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

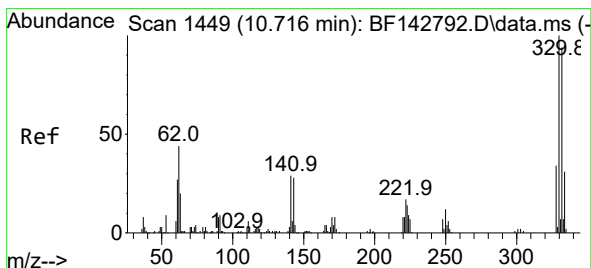
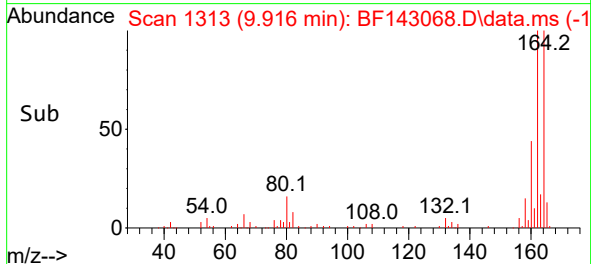
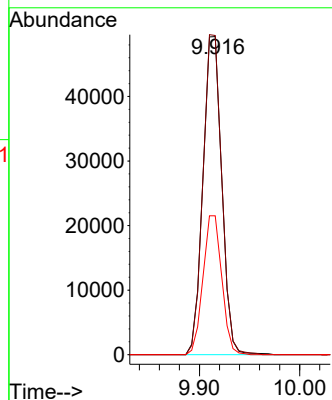
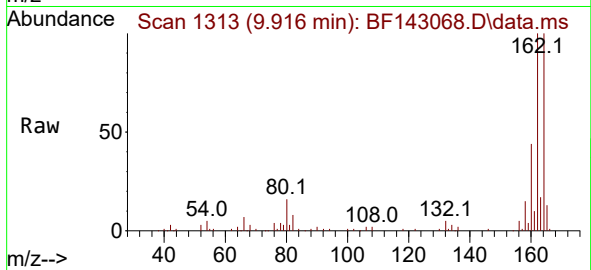




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

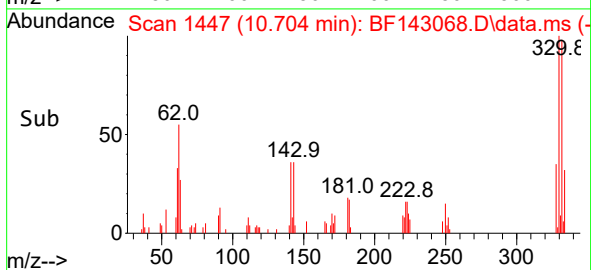
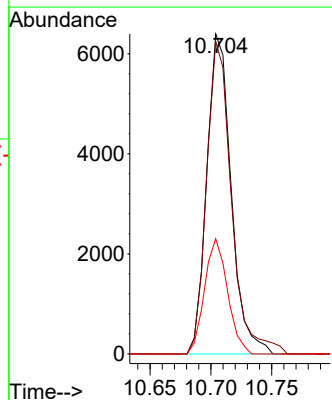
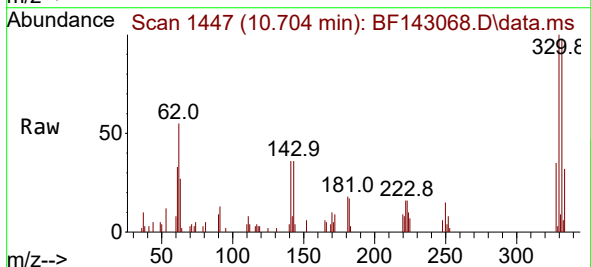
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

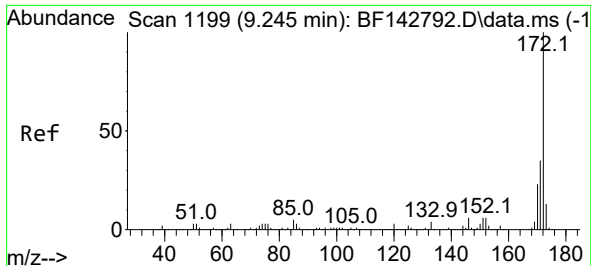
Tgt Ion:164 Resp: 64447
Ion Ratio Lower Upper
164 100
162 100.3 81.8 122.8
160 43.7 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 13.445 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:330 Resp: 8917
Ion Ratio Lower Upper
330 100
332 99.4 75.0 112.6
141 33.9 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 11.668 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

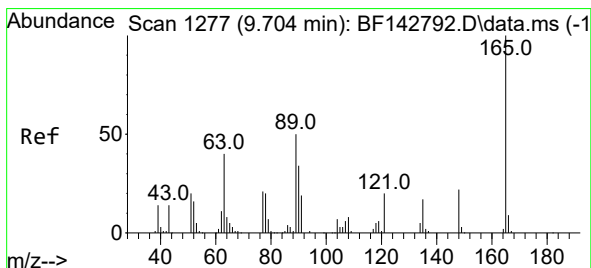
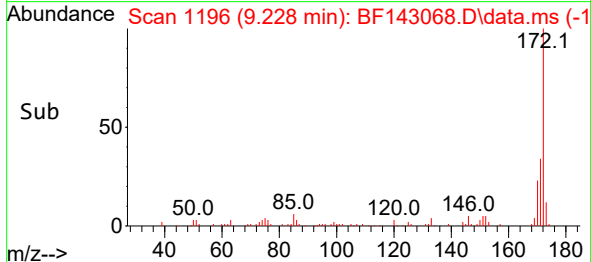
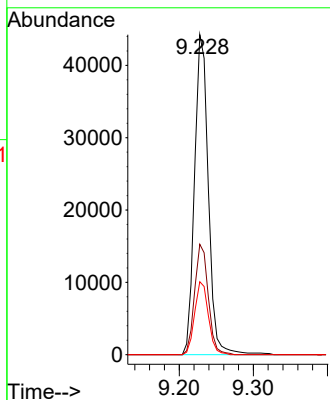
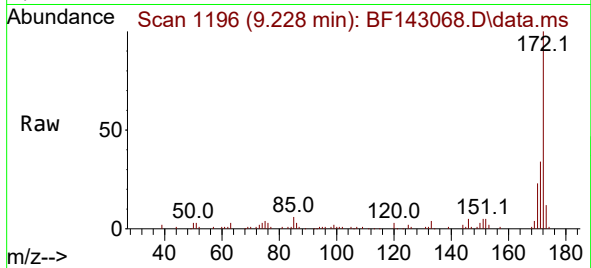
Tgt Ion:172 Resp: 57244

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 22.8 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.330 ng

RT: 9.910 min Scan# 1312

Delta R.T. 0.206 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

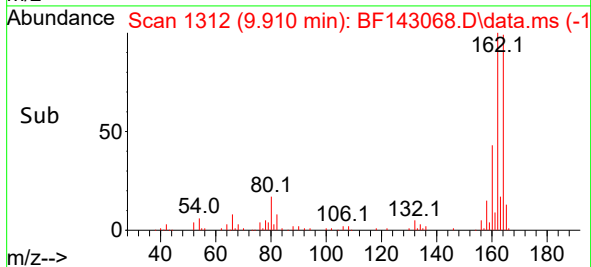
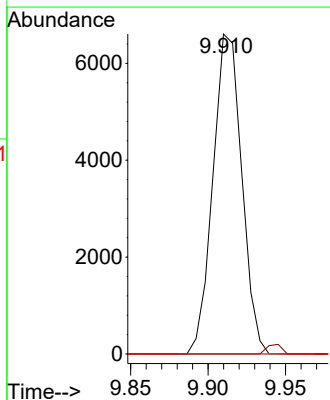
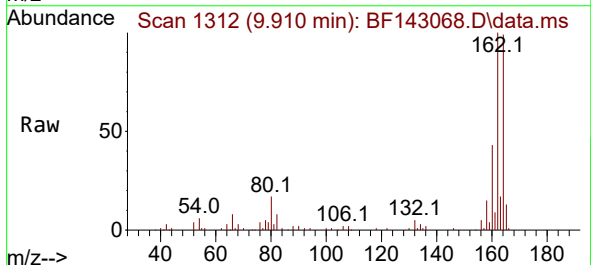
Tgt Ion:165 Resp: 8548

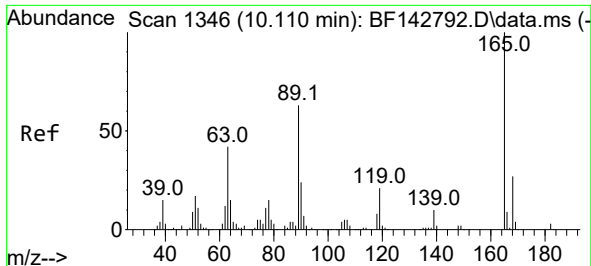
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

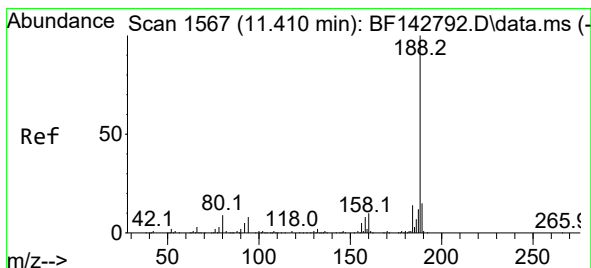
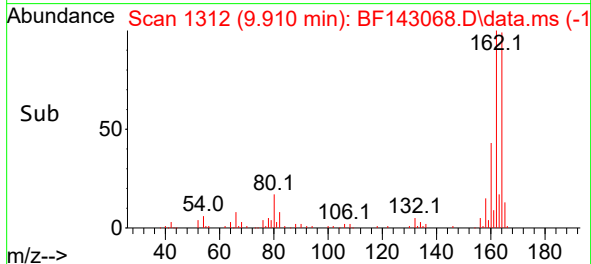
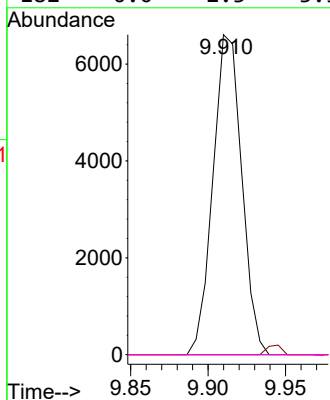
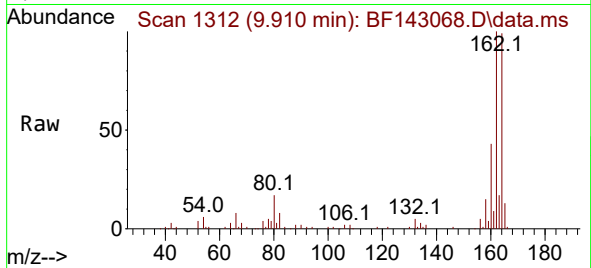




#57
2,4-Dinitrotoluene
Concen: 7.024 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

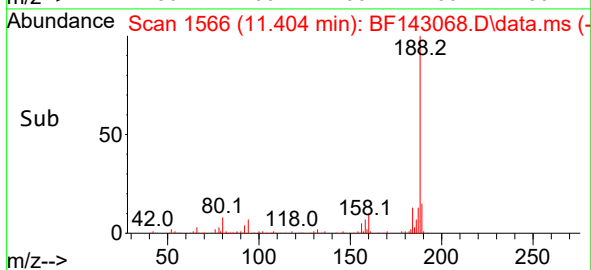
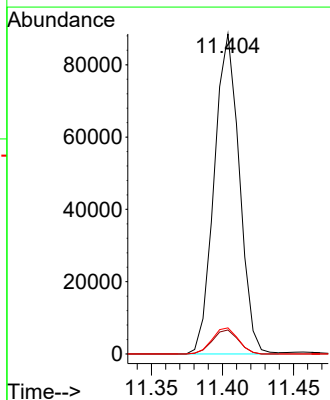
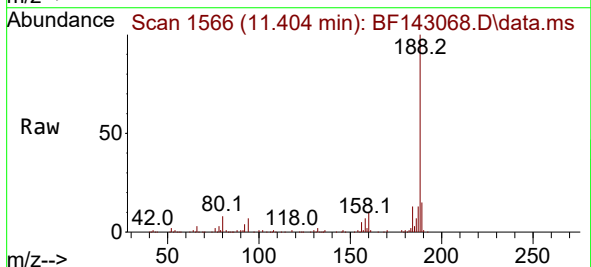
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G3(0-6)

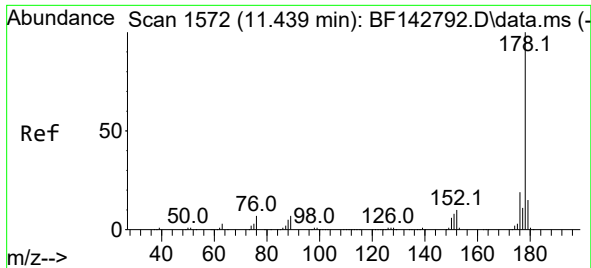
Tgt Ion:165 Resp: 8548
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

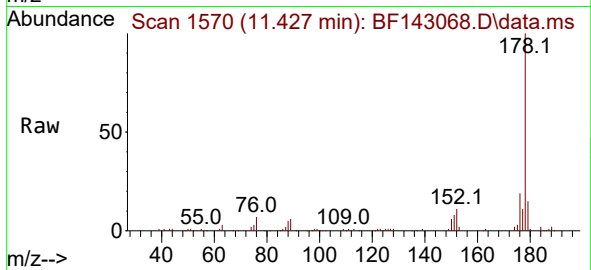
Tgt Ion:188 Resp: 109030
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.2 6.9 10.3



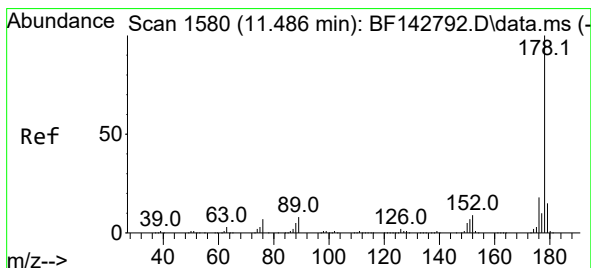
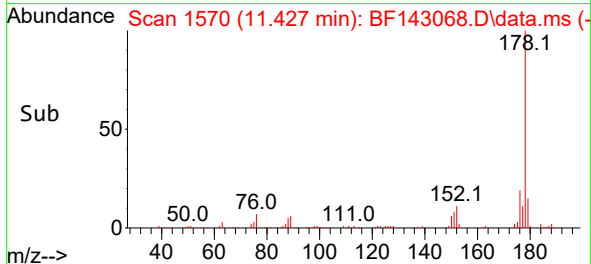
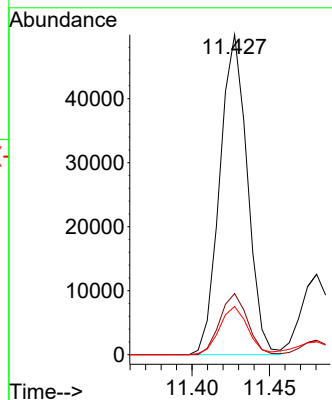


#71
Phenanthrene
Concen: 10.466 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Instrument :
BNA_F
ClientSampleId :
G3(0-6)

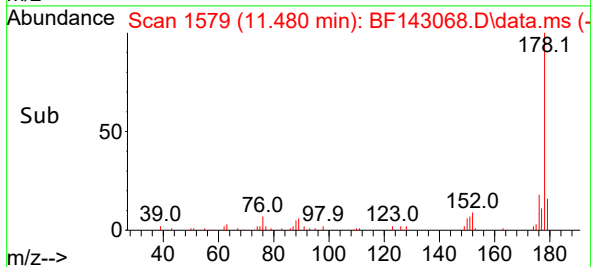
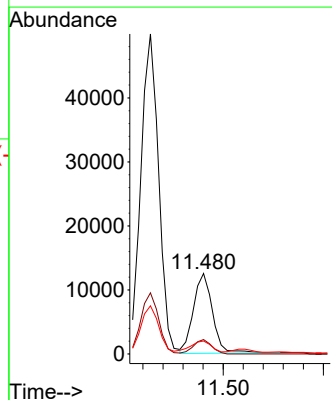
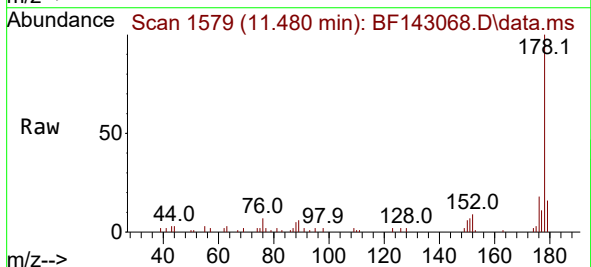


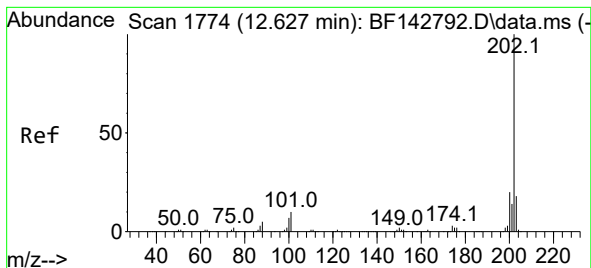
Tgt Ion:178 Resp: 61813
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.1 12.0 18.0



#72
Anthracene
Concen: 2.723 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:178 Resp: 16496
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 16.2 12.4 18.6





#75

Fluoranthene

Concen: 20.492 ng

RT: 12.621 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

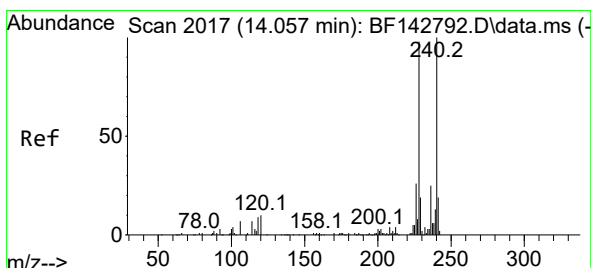
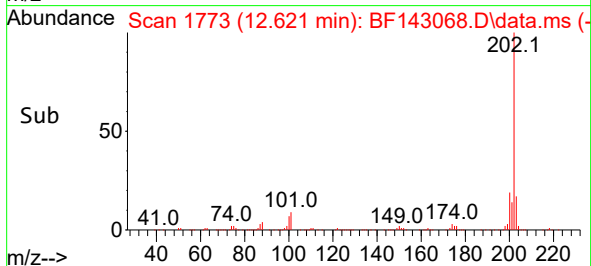
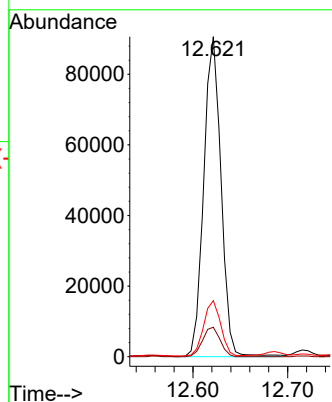
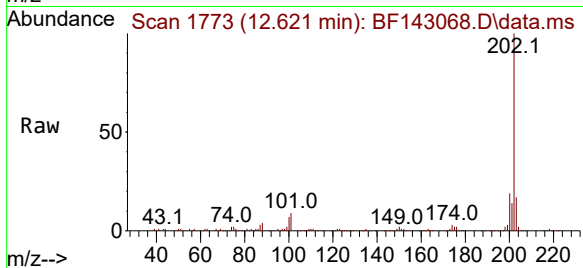
Tgt Ion:202 Resp: 114860

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.7

203 17.5 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: BF143068.D

Acq: 09 Jul 2025 21:04

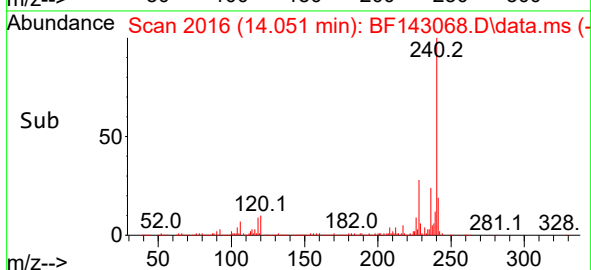
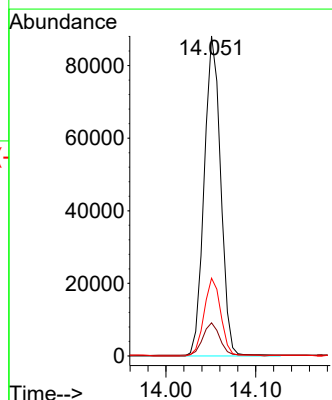
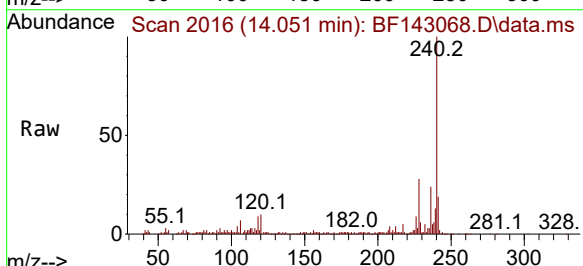
Tgt Ion:240 Resp: 112715

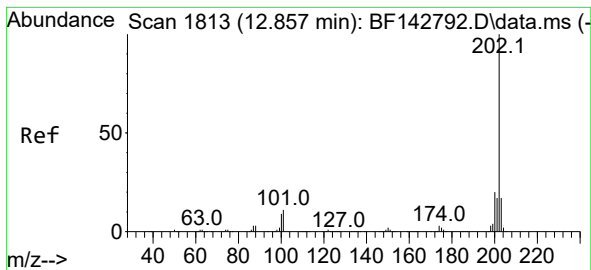
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 24.3 19.8 29.8





#78

Pyrene

Concen: 10.282 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

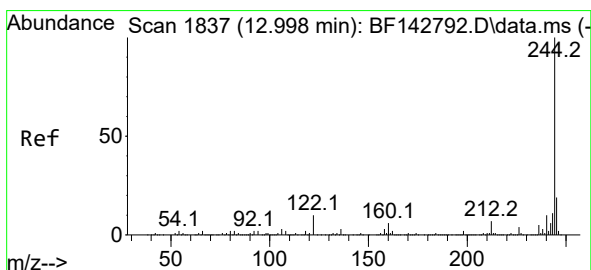
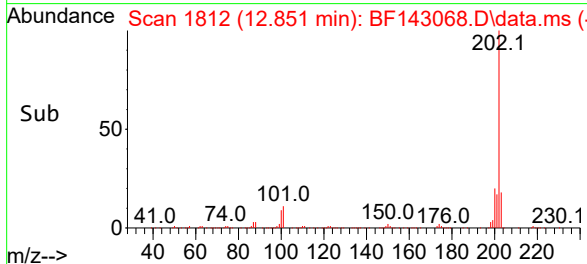
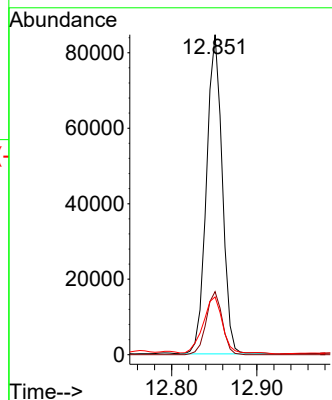
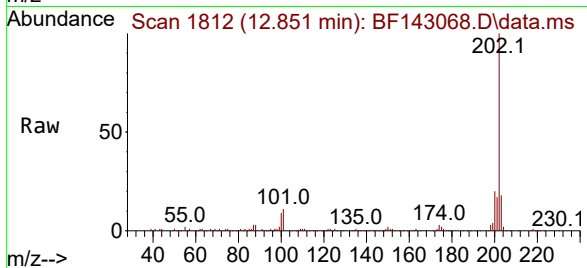
Tgt Ion:202 Resp: 108633

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 18.0 13.8 20.6



#79

Terphenyl-d14

Concen: 7.862 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

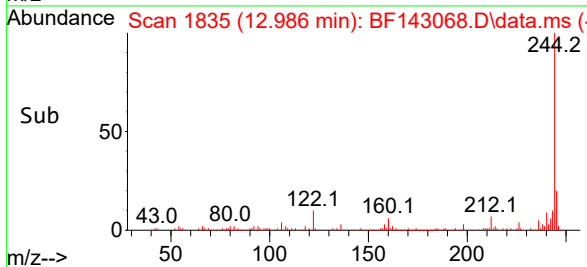
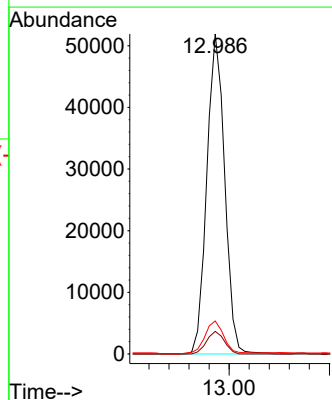
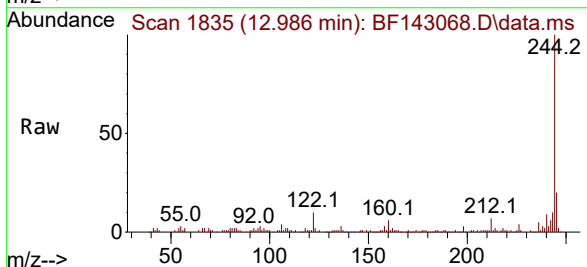
Tgt Ion:244 Resp: 64134

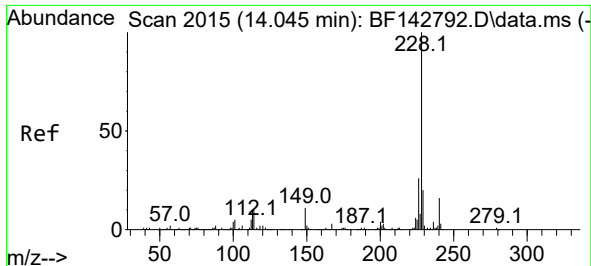
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.3 8.2 12.2

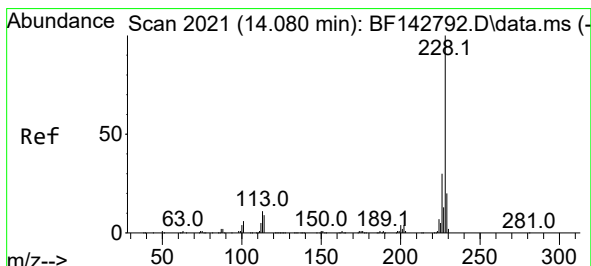
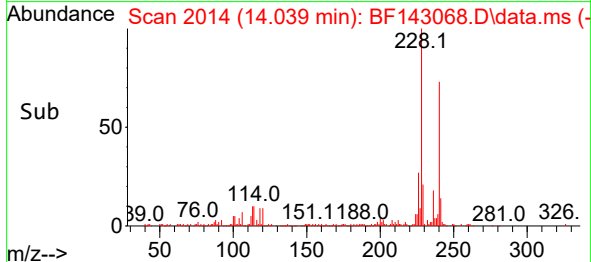
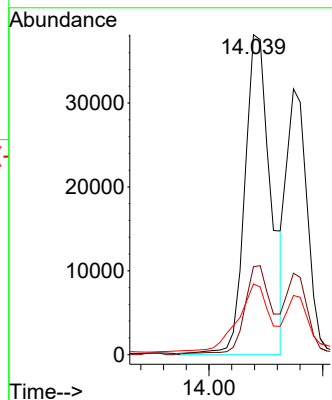
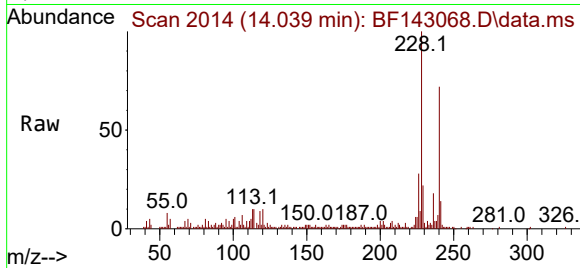




#81
Benzo(a)anthracene
Concen: 7.928 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

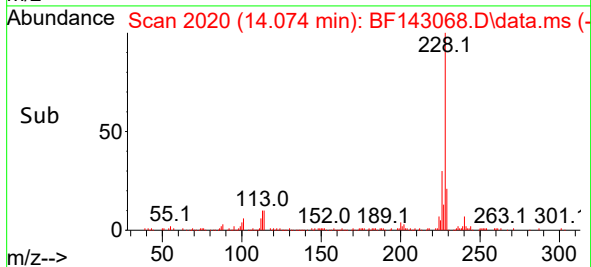
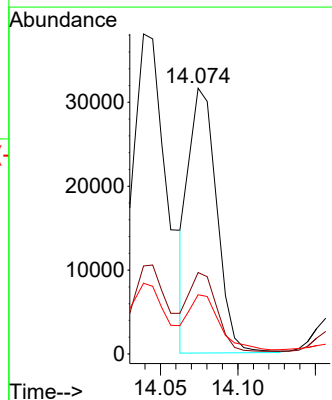
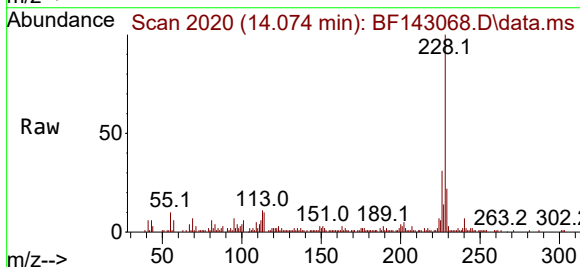
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

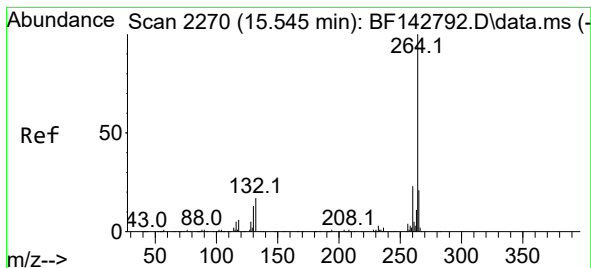
Tgt Ion:228 Resp: 60280
Ion Ratio Lower Upper
228 100
226 27.5 21.2 31.8
229 22.1 15.6 23.4



#83
Chrysene
Concen: 5.873 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:228 Resp: 39851
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 22.3 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: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

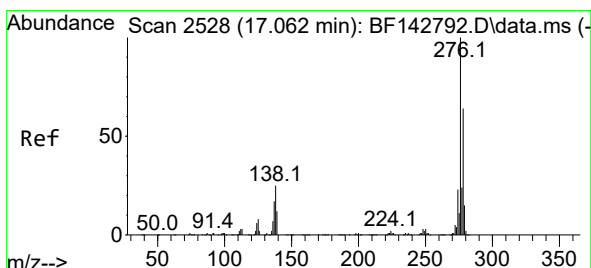
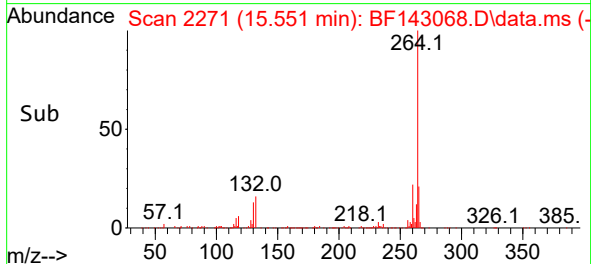
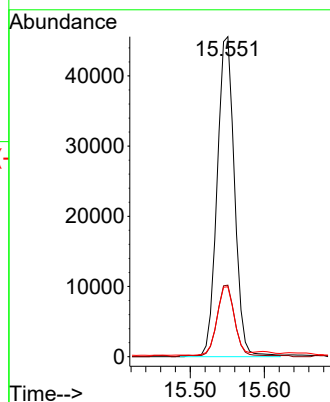
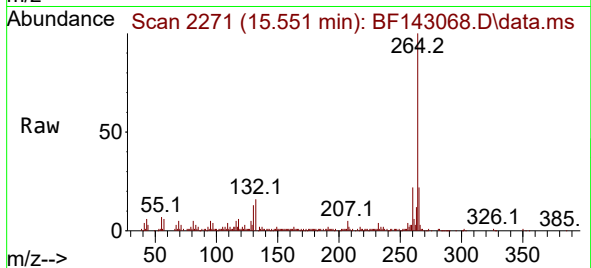
Tgt Ion:264 Resp: 74278

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.317 ng

RT: 17.062 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

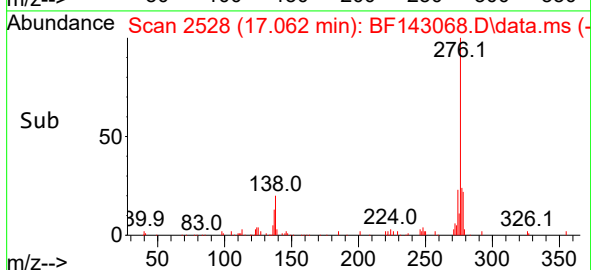
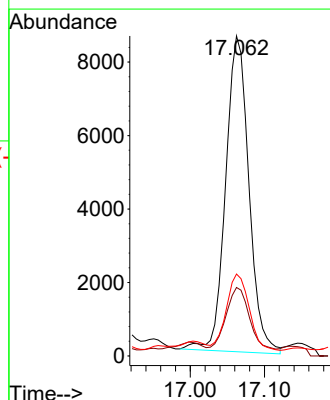
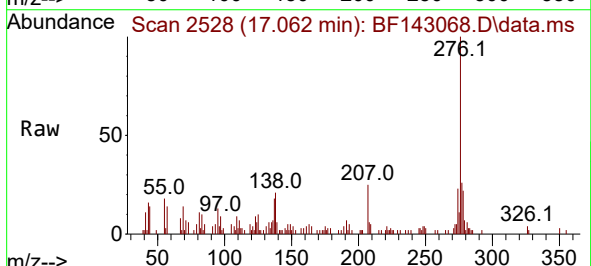
Tgt Ion:276 Resp: 18765

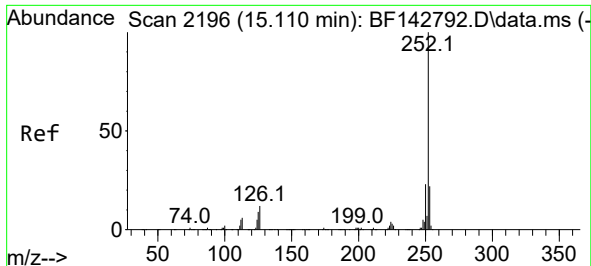
Ion Ratio Lower Upper

276 100

138 23.3 20.2 30.4

277 24.5 19.8 29.6

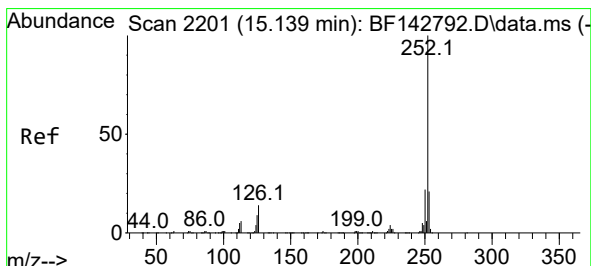
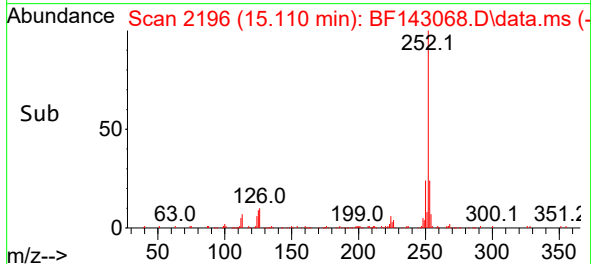
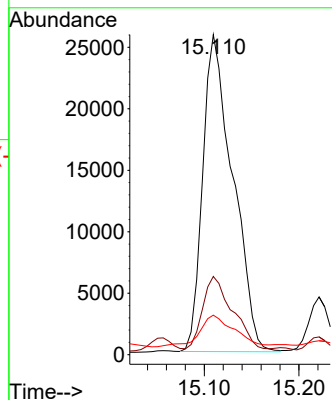
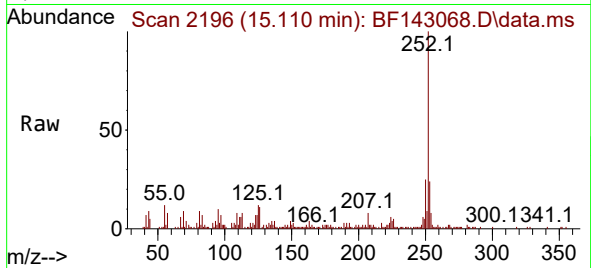




#88
Benzo(b)fluoranthene
Concen: 13.244 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

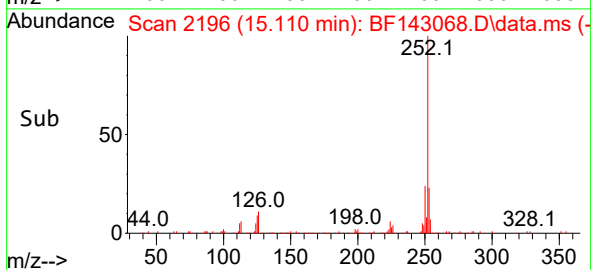
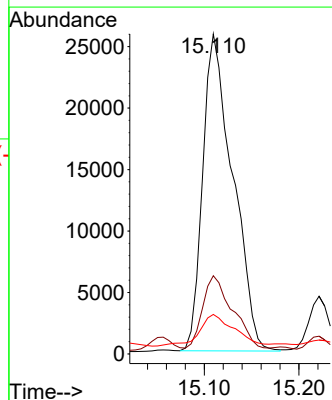
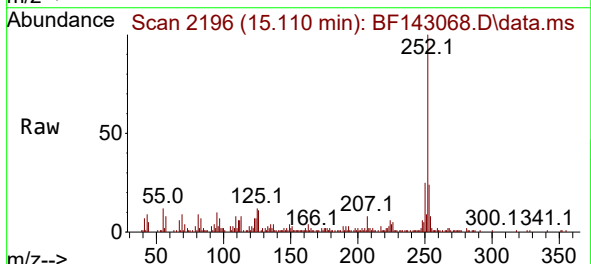
Instrument :
BNA_F
ClientSampleId :
G3(0-6)

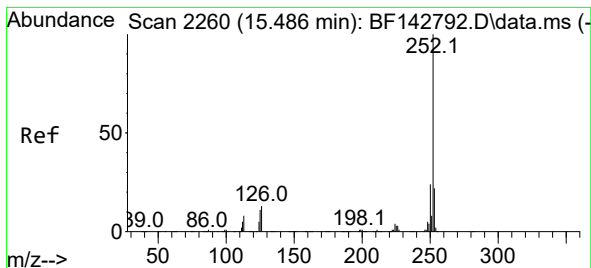
Tgt Ion:252 Resp: 56922
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 12.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 14.156 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF143068.D
Acq: 09 Jul 2025 21:04

Tgt Ion:252 Resp: 56922
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 12.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 7.371 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

G3(0-6)

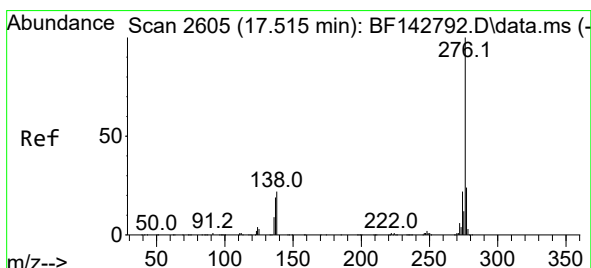
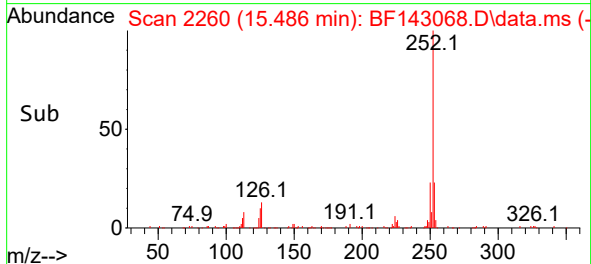
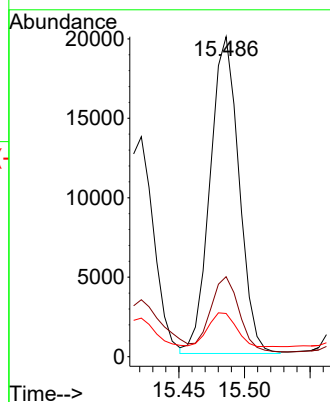
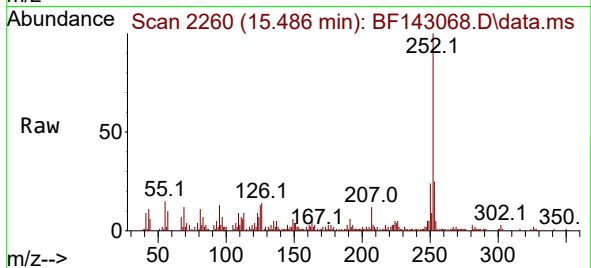
Tgt Ion:252 Resp: 30605

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 13.5 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 4.226 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF143068.D

Acq: 09 Jul 2025 21:04

Tgt Ion:276 Resp: 19371

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 19.3 17.6 26.4

