

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)

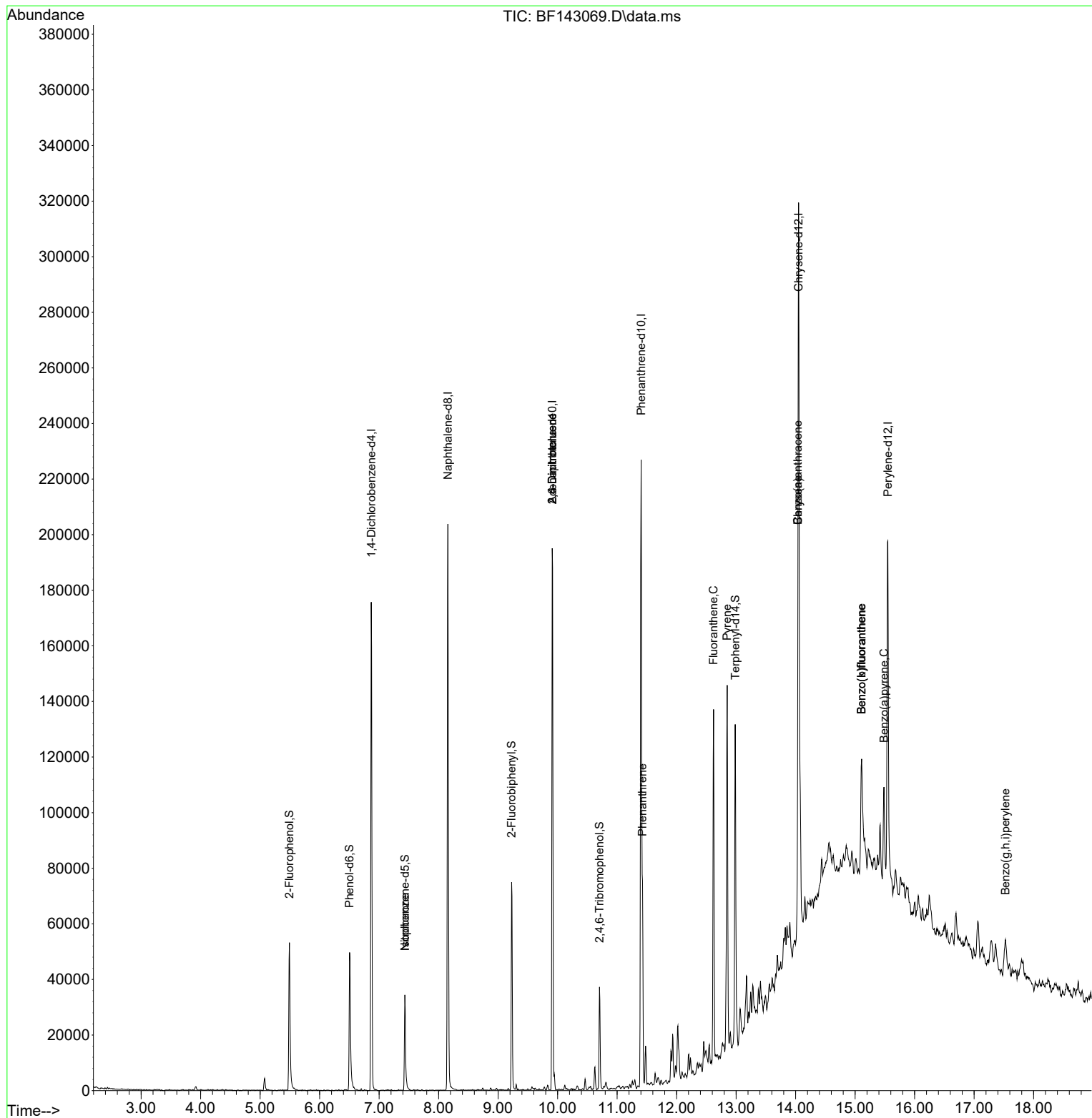
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	39640	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	139294	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	61361	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	117403	20.000	ng	0.00
76) Chrysene-d12	14.051	240	107649	20.000	ng	0.00
86) Perylene-d12	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
25) Isophorone	7.434	82	17294	4.245	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	8202	9.403	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	8202	7.079	ng	# 26
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	14.039	228	34403	5.309	ng	96
88) Benzo(b)fluoranthene	15.110	252	32632	8.185	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	32632	8.748	ng	# 92
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

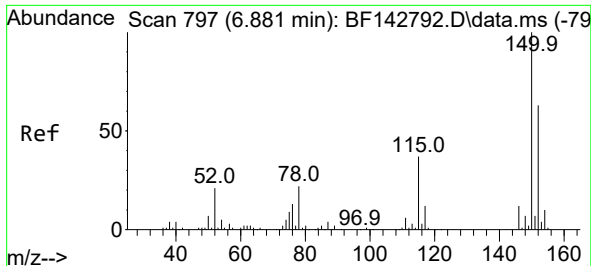
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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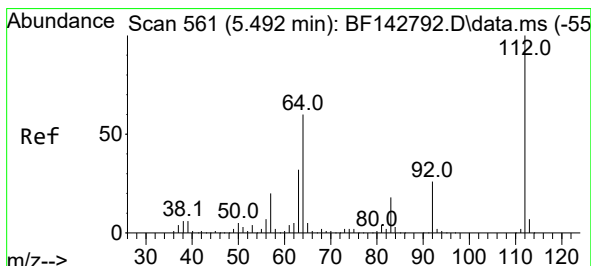
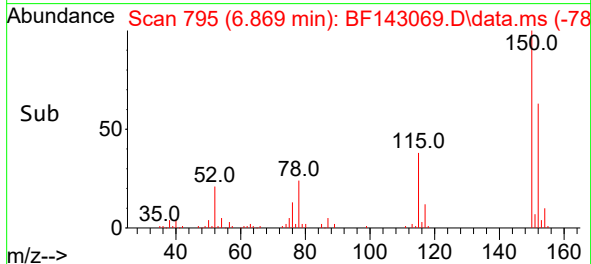
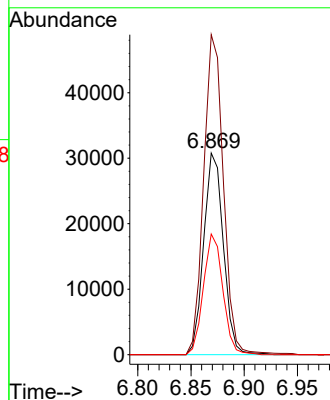
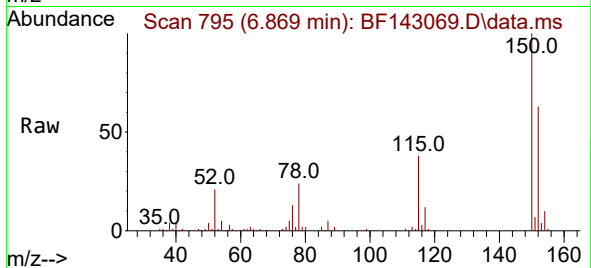




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143069.D
 Acq: 09 Jul 2025 21:35

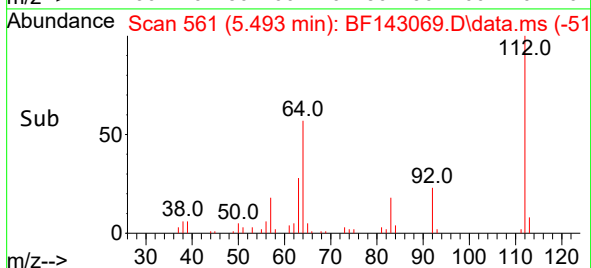
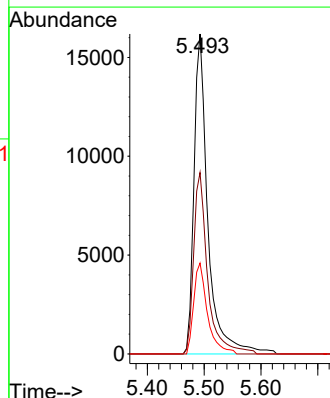
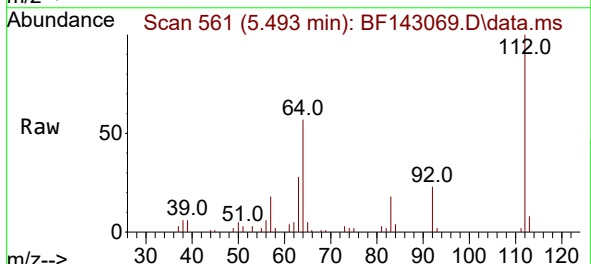
Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

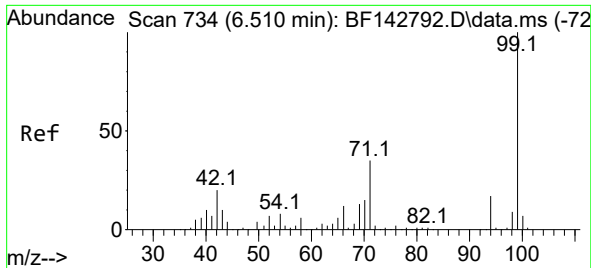
Tgt Ion:152 Resp: 39640
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.2 190.8
 115 59.8 46.6 69.8



#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

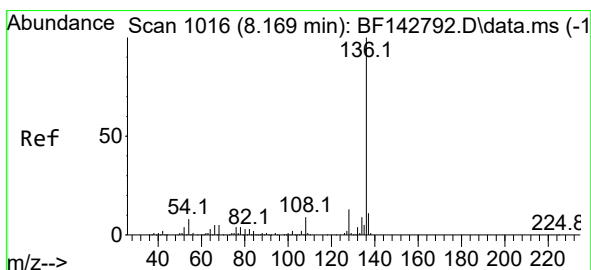
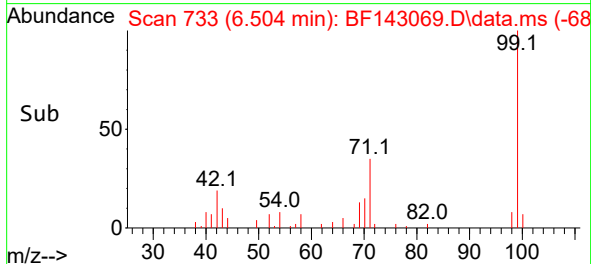
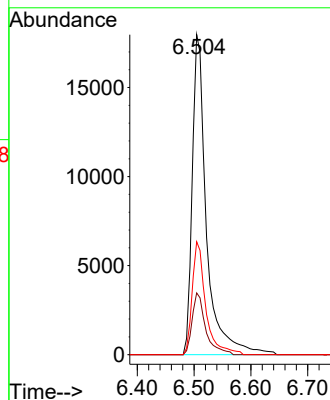
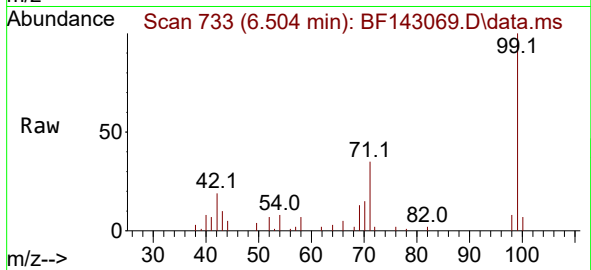




#7
Phenol-d6
Concen: 11.180 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

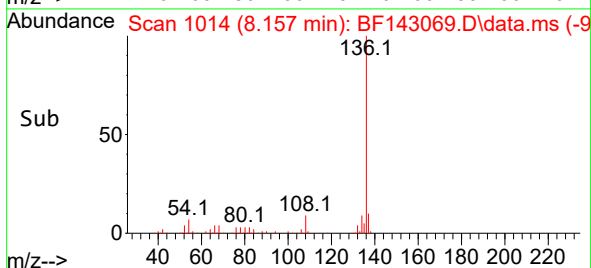
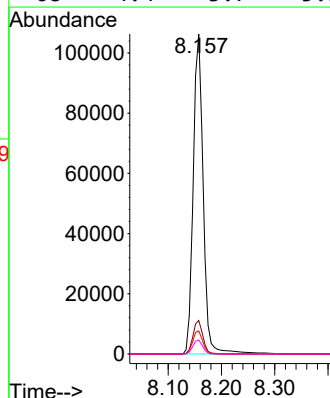
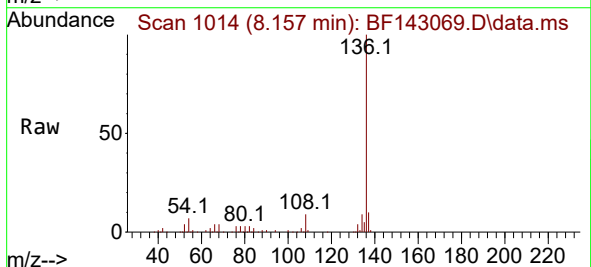
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

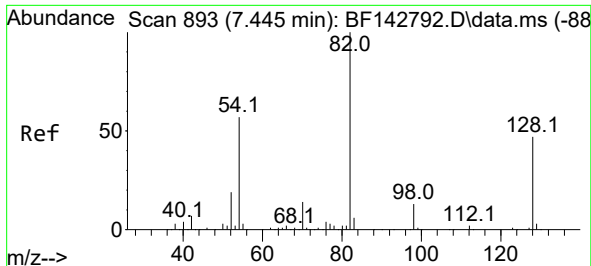
Tgt Ion: 99 Resp: 31404
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.3 27.8 41.8



#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# 891

Delta R.T. -0.011 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

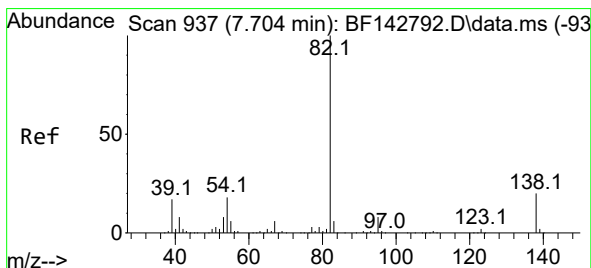
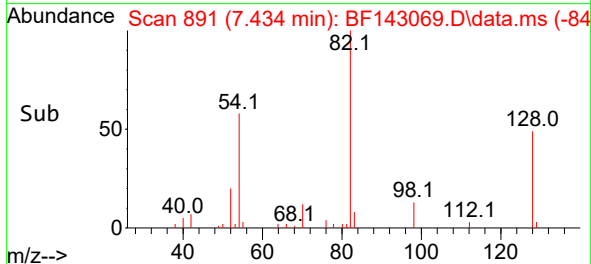
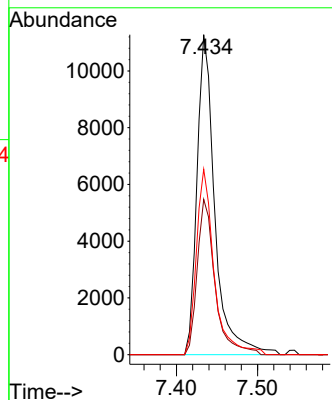
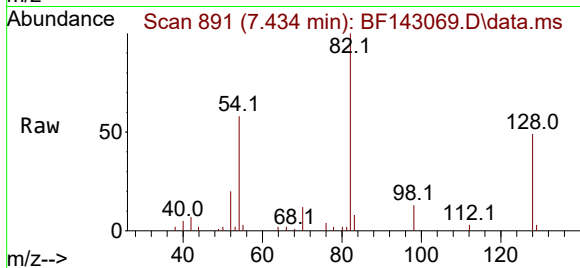
Tgt Ion: 82 Resp: 17294

Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 57.9 45.7 68.5



#25

Isophorone

Concen: 4.245 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.270 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

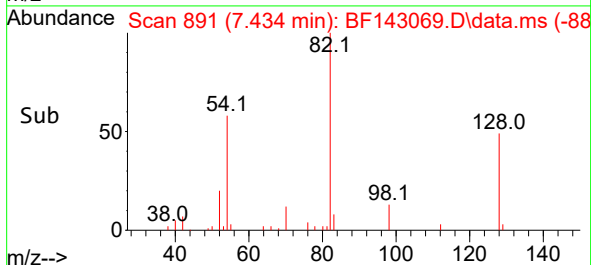
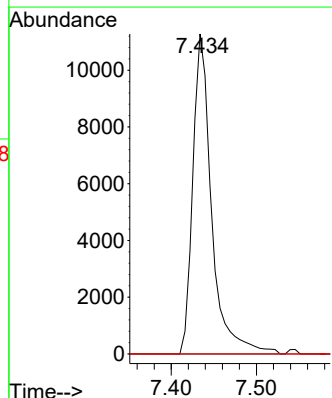
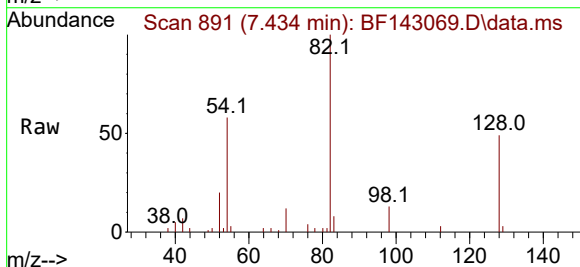
Tgt Ion: 82 Resp: 17294

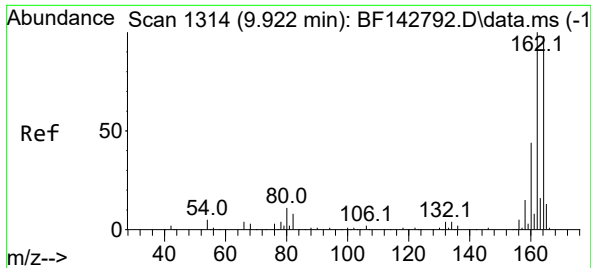
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#

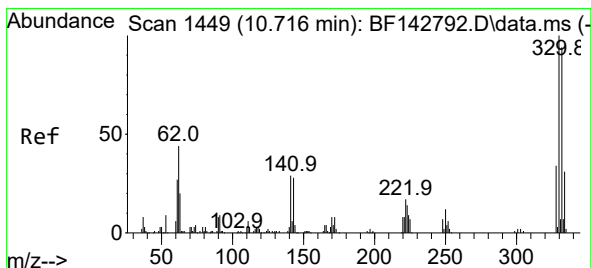
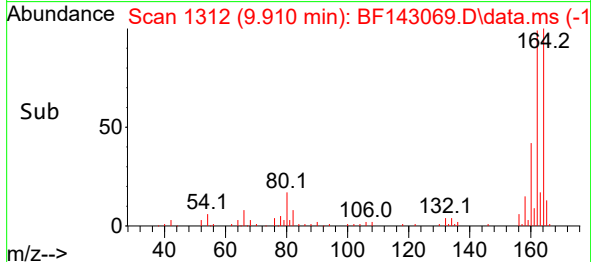
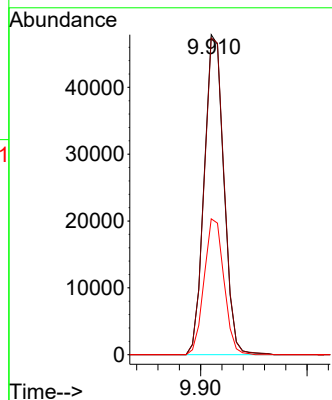
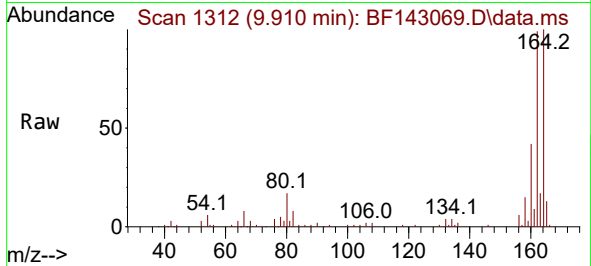




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

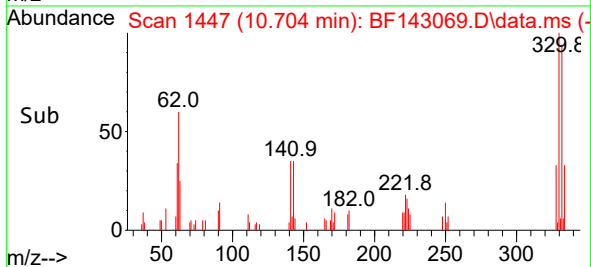
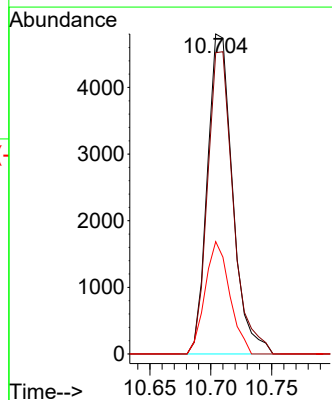
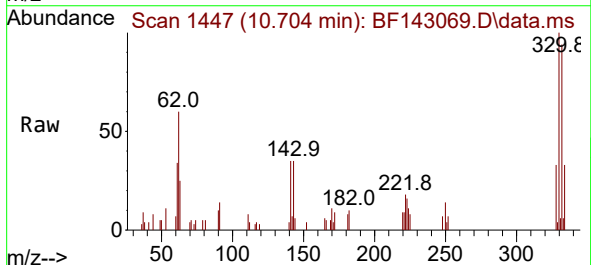
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

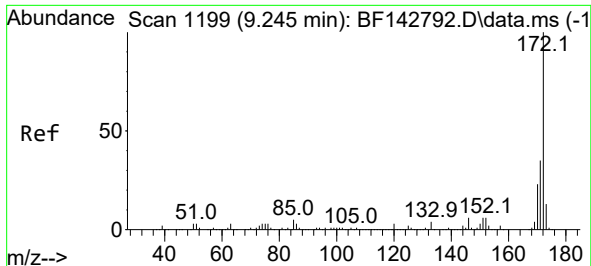
Tgt Ion:164	Resp:	61361
Ion Ratio	Lower	Upper
164	100	
162	99.0	81.8 122.8
160	42.4	36.0 54.0



#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

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

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

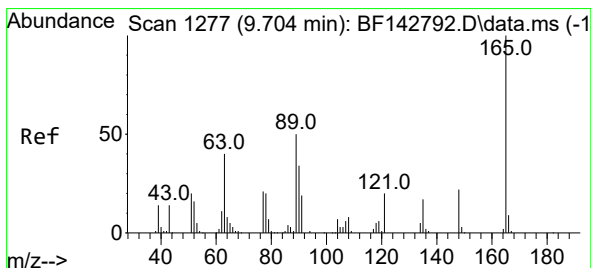
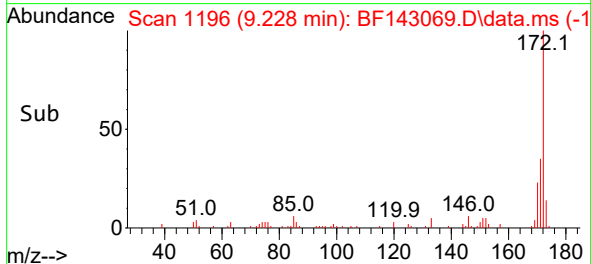
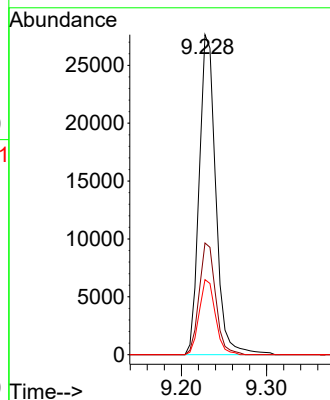
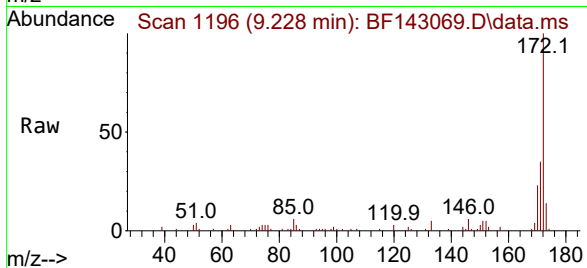
Tgt Ion:172 Resp: 37294

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 23.5 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.403 ng

RT: 9.910 min Scan# 1312

Delta R.T. 0.206 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

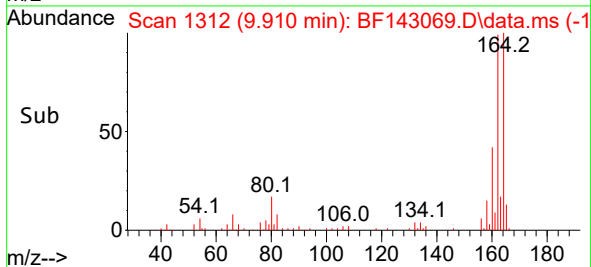
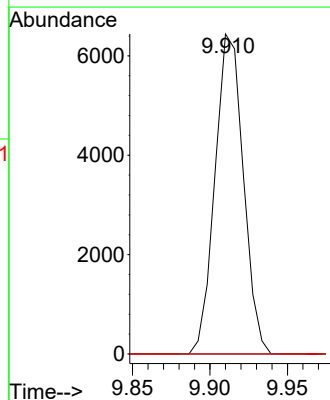
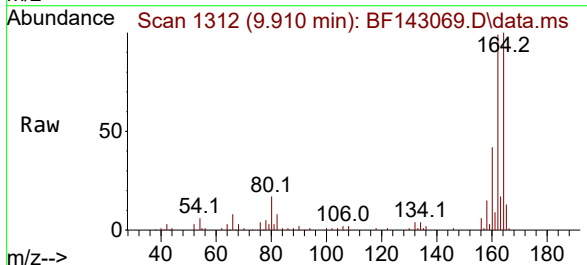
Tgt Ion:165 Resp: 8202

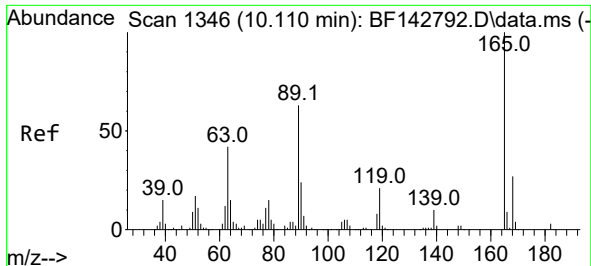
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

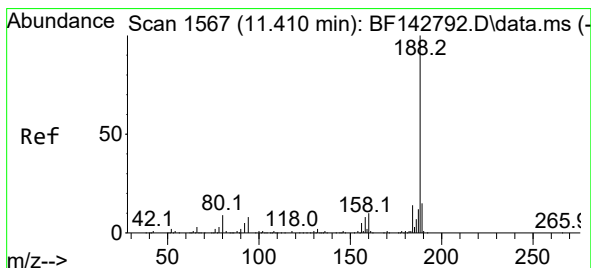
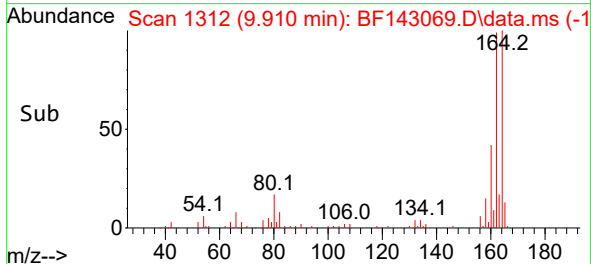
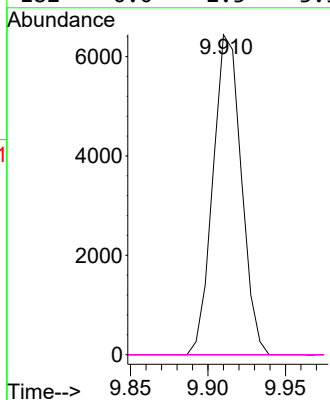
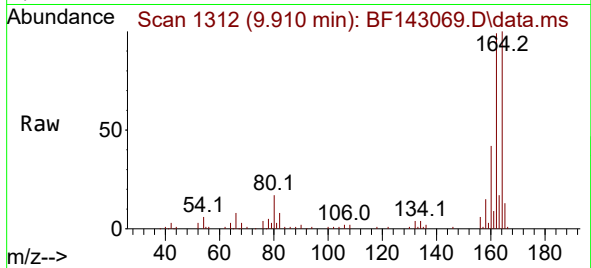




#57
2,4-Dinitrotoluene
Concen: 7.079 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

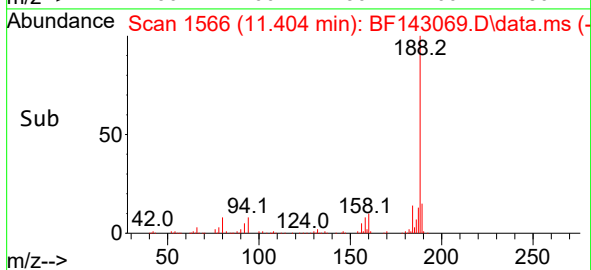
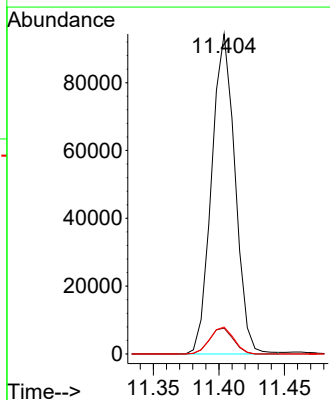
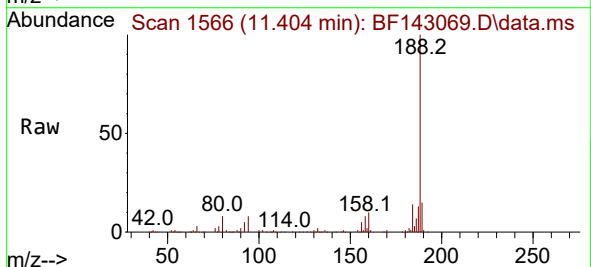
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

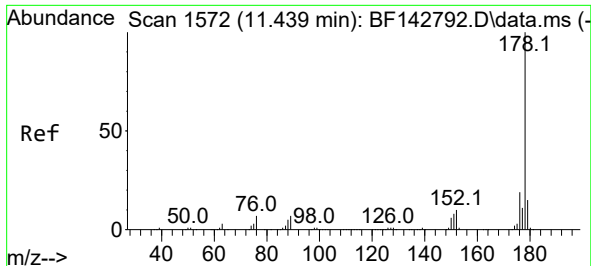
Tgt Ion:165 Resp: 8202
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

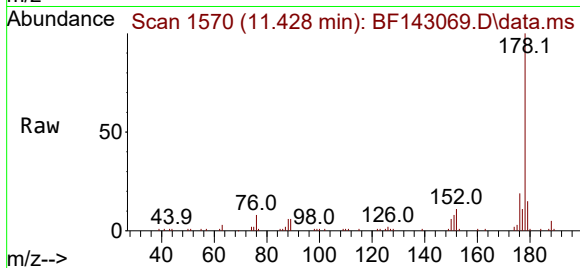
Tgt Ion:188 Resp: 117403
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.4 6.9 10.3



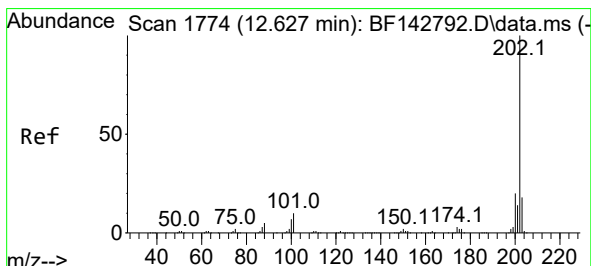
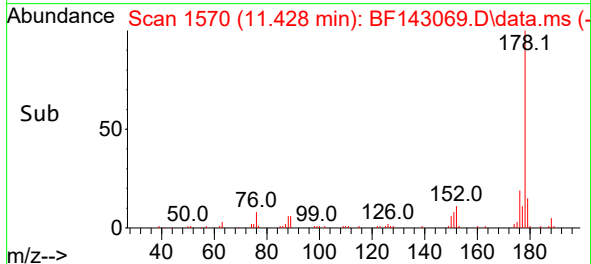
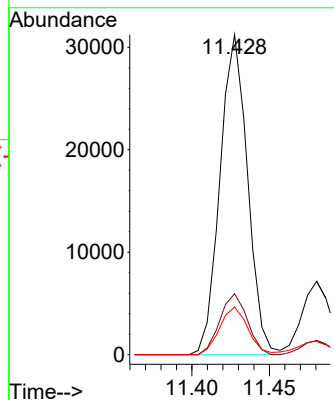


#71
Phenanthrene
Concen: 6.073 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

Instrument :
BNA_F
ClientSampleId :
G1(0-6)

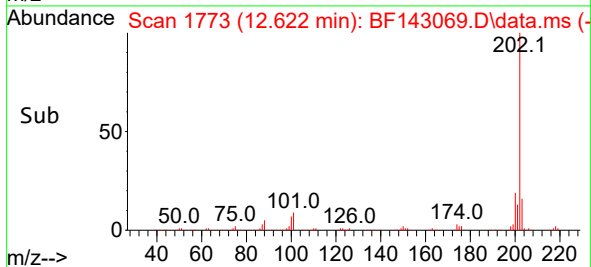
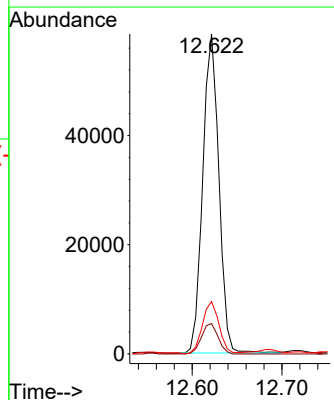
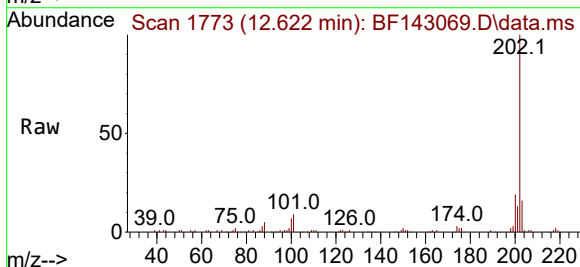


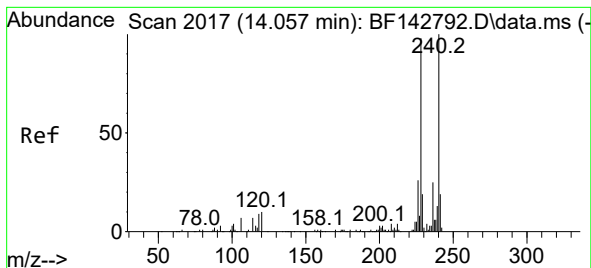
Tgt Ion:178 Resp: 38621
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 14.9 12.0 18.0



#75
Fluoranthene
Concen: 12.081 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

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# 20

Delta R.T. -0.006 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

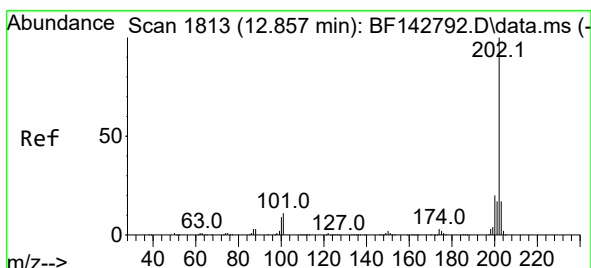
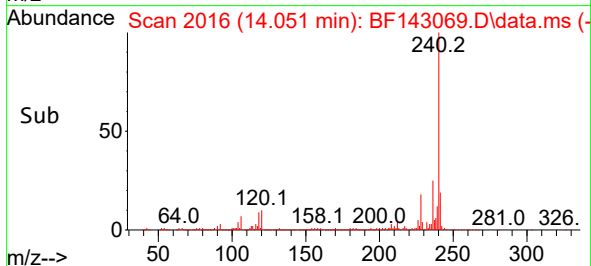
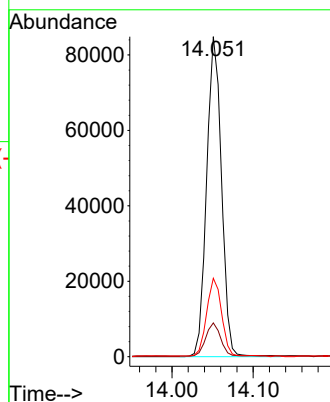
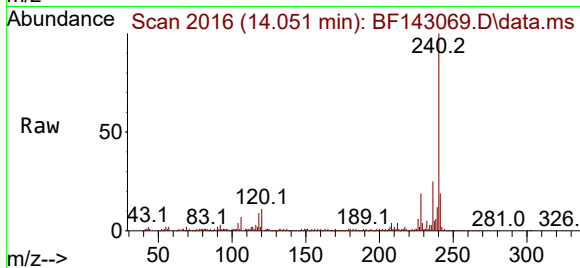
Tgt Ion:240 Resp: 107649

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

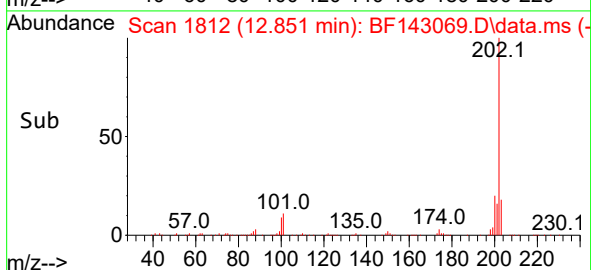
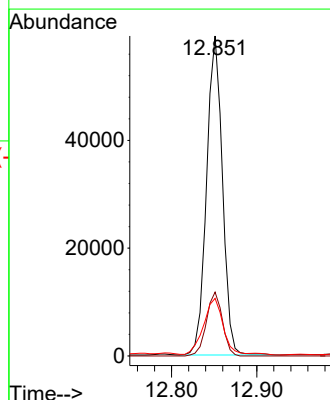
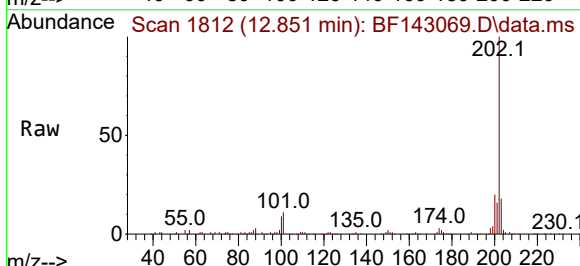
Tgt Ion:202 Resp: 76522

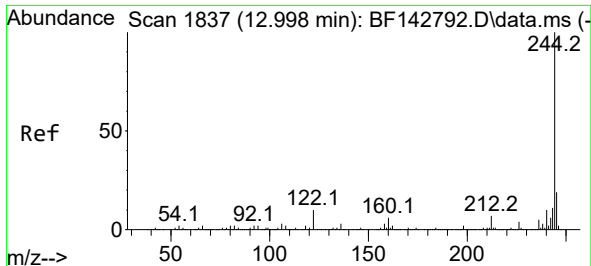
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.0 13.8 20.6

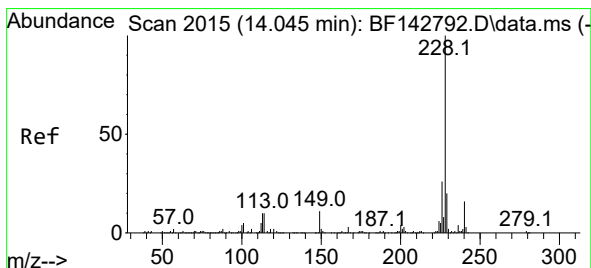
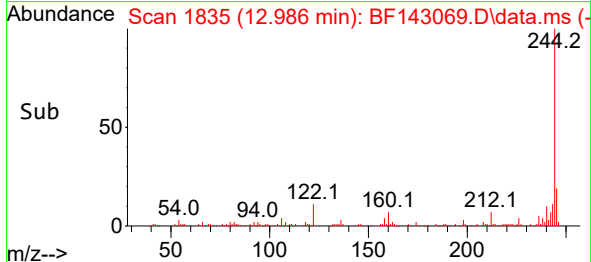
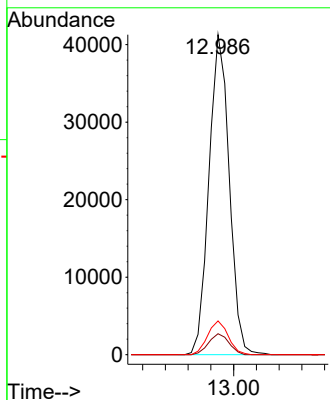
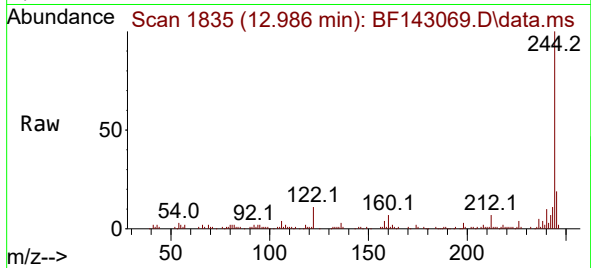




#79
 Terphenyl-d14
 Concen: 6.576 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143069.D
 Acq: 09 Jul 2025 21:35

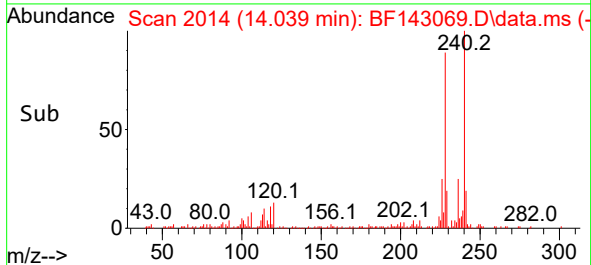
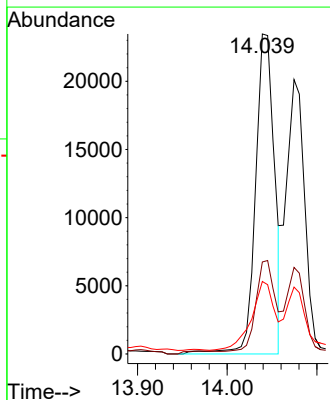
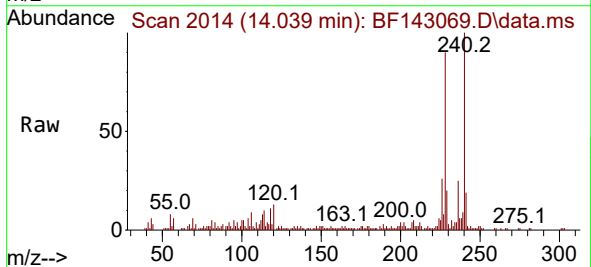
Instrument :
 BNA_F
 ClientSampleId :
 G1(0-6)

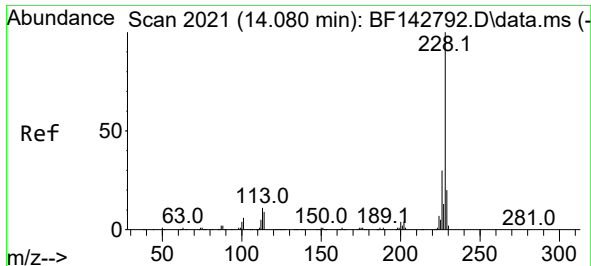
Tgt Ion:244 Resp: 51233
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.6 8.2 12.2



#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

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

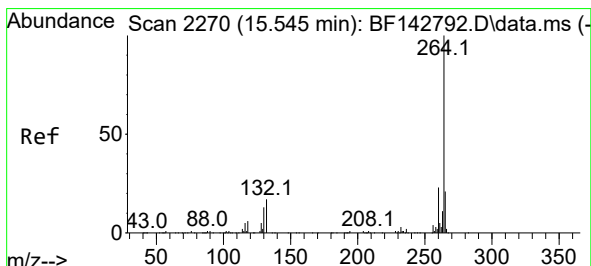
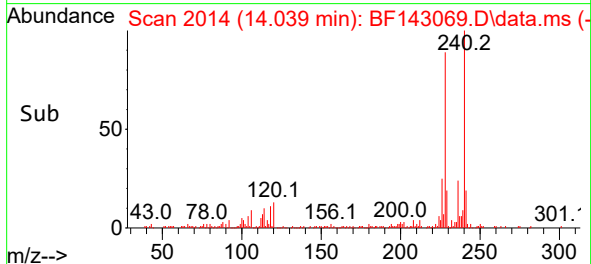
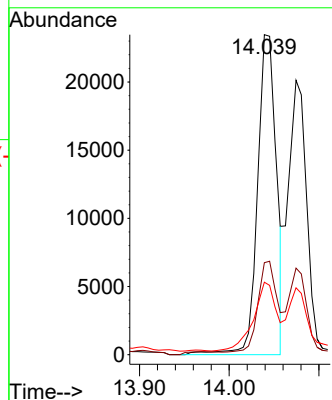
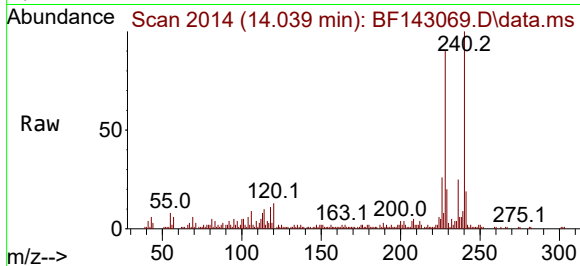




#83
Chrysene
Concen: 5.309 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.041 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

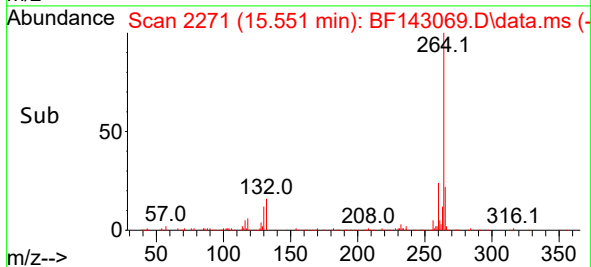
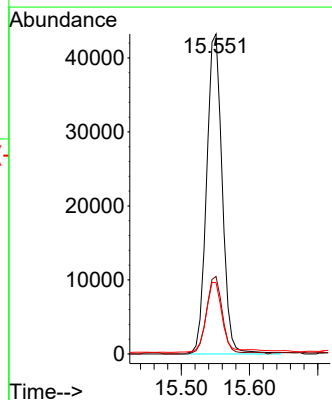
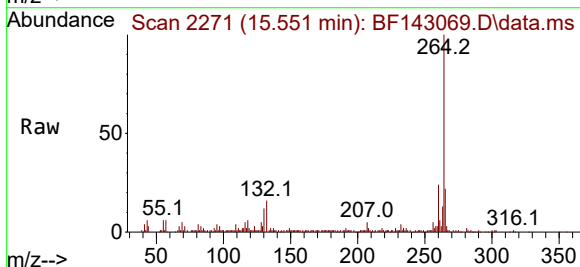
Instrument :
BNA_F
ClientSampleId :
G1(0-6)

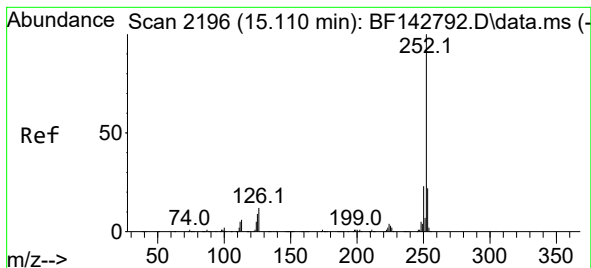
Tgt Ion:228 Resp: 34403
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 22.7 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143069.D
Acq: 09 Jul 2025 21:35

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: 8.185 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

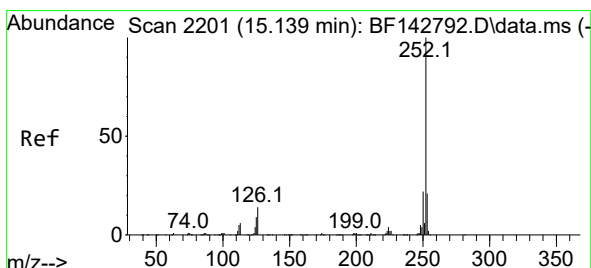
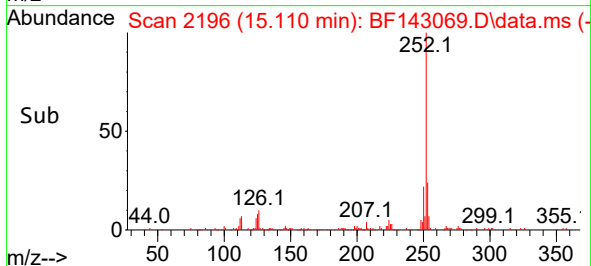
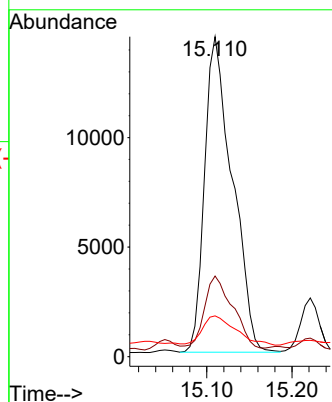
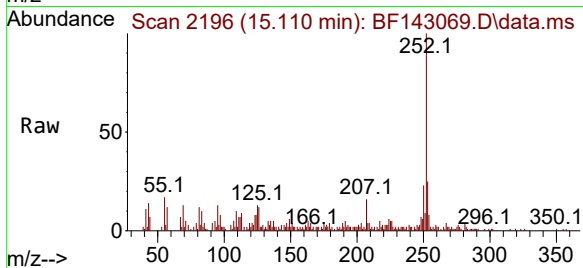
Tgt Ion:252 Resp: 32632

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: 8.748 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

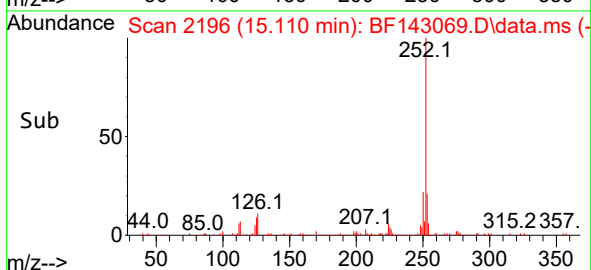
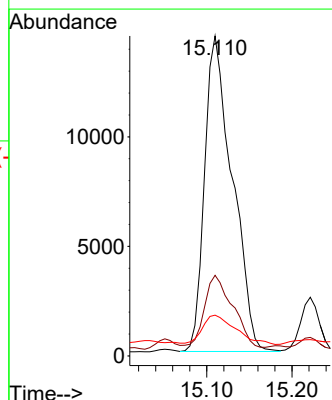
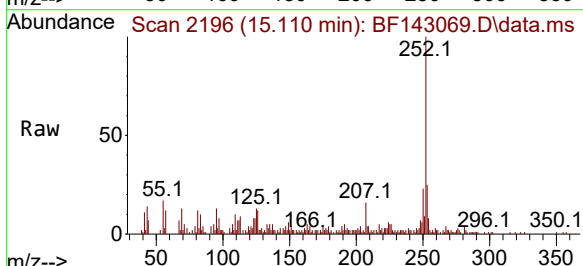
Tgt Ion:252 Resp: 32632

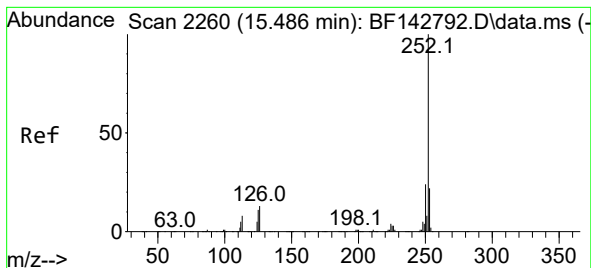
Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 12.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.631 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

Instrument :

BNA_F

ClientSampleId :

G1(0-6)

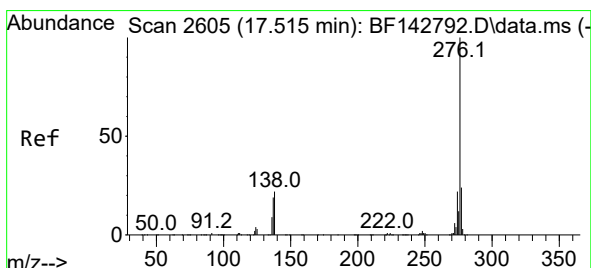
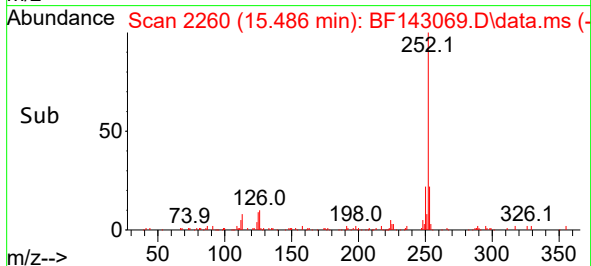
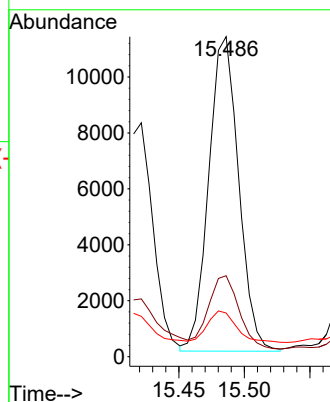
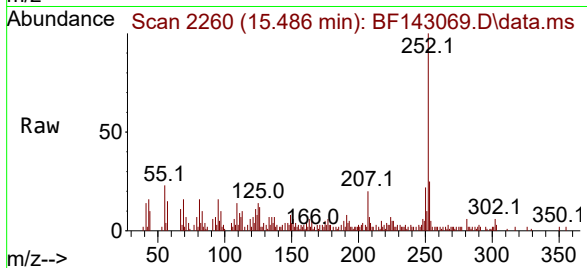
Tgt Ion:252 Resp: 17839

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# 2607

Delta R.T. 0.012 min

Lab File: BF143069.D

Acq: 09 Jul 2025 21:35

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

