

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143046.D
 Acq On : 08 Jul 2025 21:42
 Operator : RC/JU
 Sample : Q2514-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Quant Time: Jul 09 01:42:40 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)

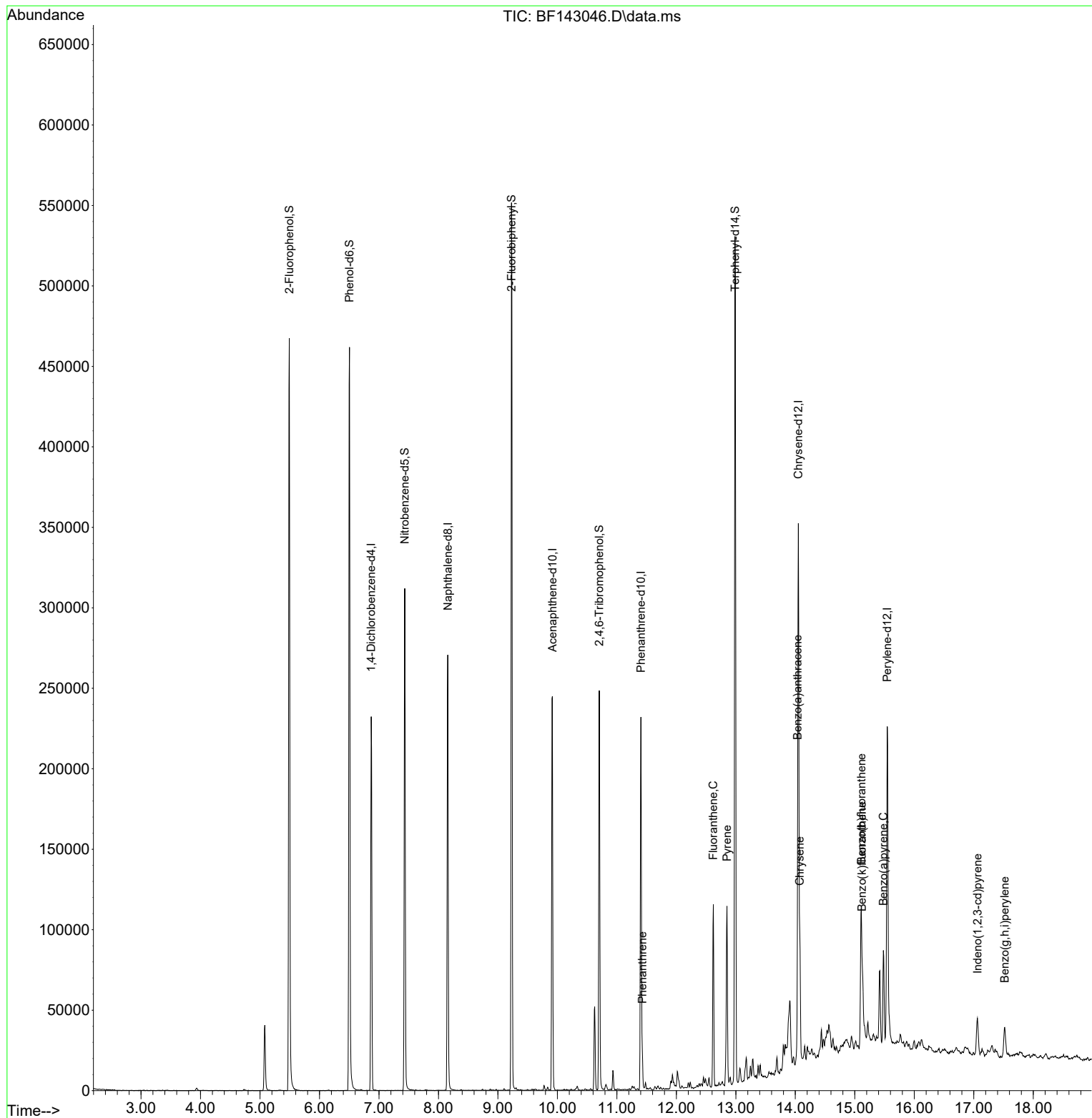
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51513	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	178914	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77176	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	119858	20.000	ng	0.00
76) Chrysene-d12	14.051	240	136149	20.000	ng	0.00
86) Perylene-d12	15.545	264	112713	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	192791	62.311	ng	0.00
7) Phenol-d6	6.504	99	222670	61.000	ng	0.00
23) Nitrobenzene-d5	7.434	82	131484	40.310	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	43670	54.987	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	251010	42.726	ng	-0.02
79) Terphenyl-d14	12.986	244	259977	26.384	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	13260	2.042	ng	98
75) Fluoranthene	12.621	202	66995	10.872	ng	98
78) Pyrene	12.851	202	66132	5.182	ng	98
81) Benzo(a)anthracene	14.039	228	41851	4.557	ng	98
83) Chrysene	14.074	228	42152	5.143	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	17557	2.045	ng	95
88) Benzo(b)fluoranthene	15.110	252	52937m	8.117	ng	
89) Benzo(k)fluoranthene	15.121	252	21653m	3.549	ng	
90) Benzo(a)pyrene	15.480	252	34425	5.464	ng	98
92) Benzo(g,h,i)perylene	17.521	276	17304	2.488	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

Quant Time: Jul 09 01:42:40 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

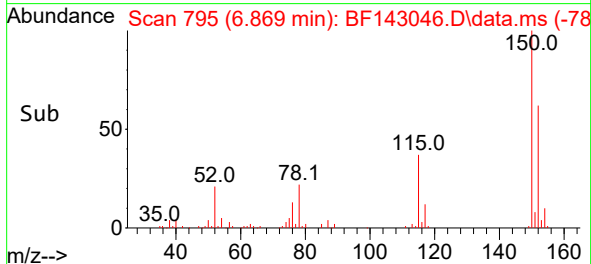
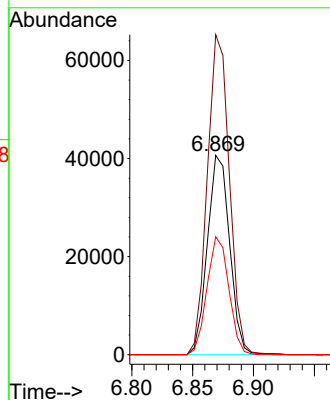
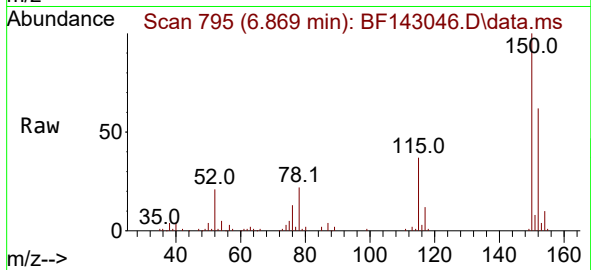




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

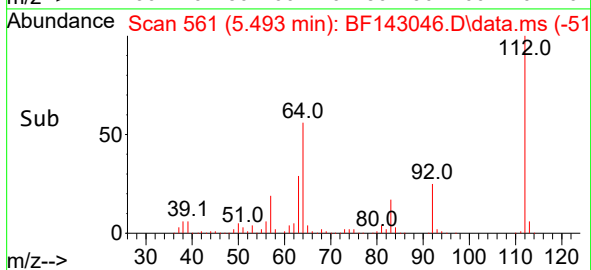
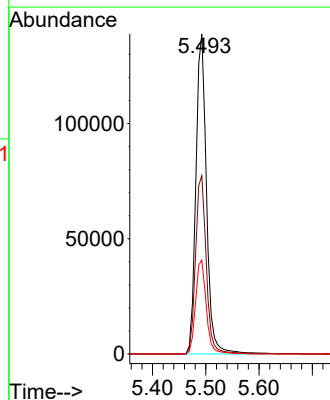
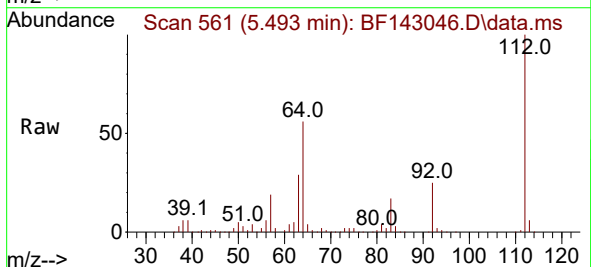
Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Tgt Ion:152 Resp: 51513
 Ion Ratio Lower Upper
 152 100
 150 160.5 127.2 190.8
 115 59.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 62.311 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:112 Resp: 192791
 Ion Ratio Lower Upper
 112 100
 64 55.7 48.2 72.2
 63 29.3 25.7 38.5

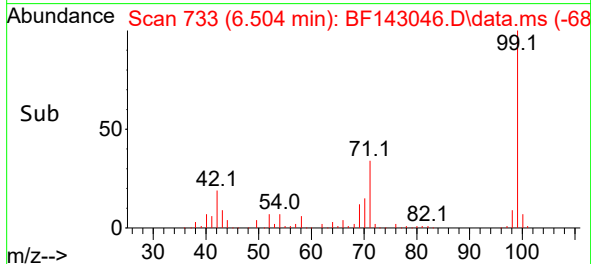
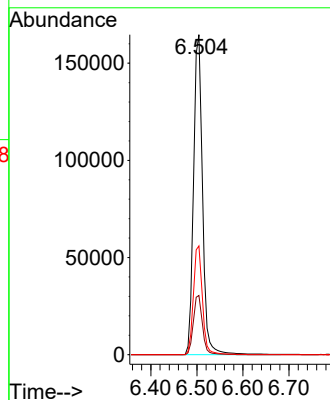
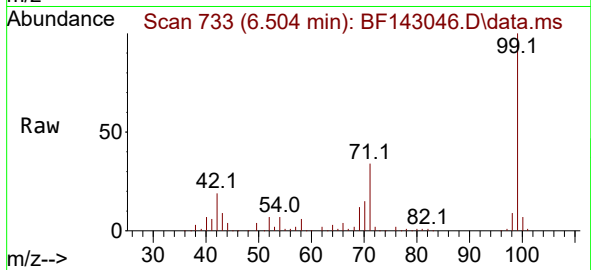




#7
Phenol-d6
Concen: 61.000 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

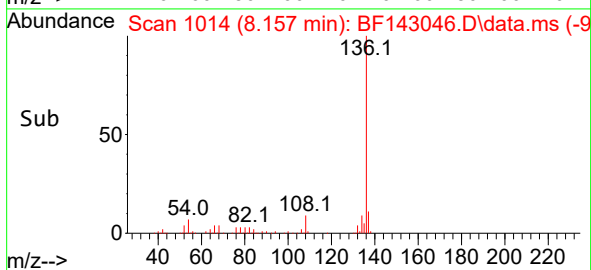
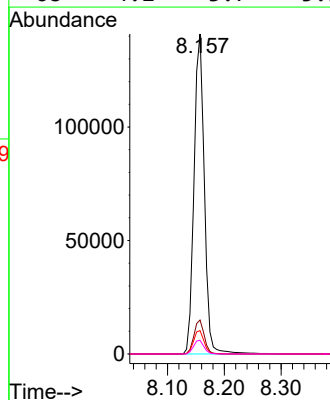
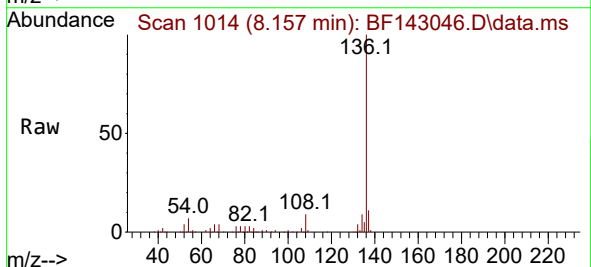
Instrument :
BNA_F
ClientSampleId :
TP-96

Tgt Ion: 99 Resp: 222670
Ion Ratio Lower Upper
99 100
42 18.5 15.9 23.9
71 34.0 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: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion: 136 Resp: 178914
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.3 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 40.310 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

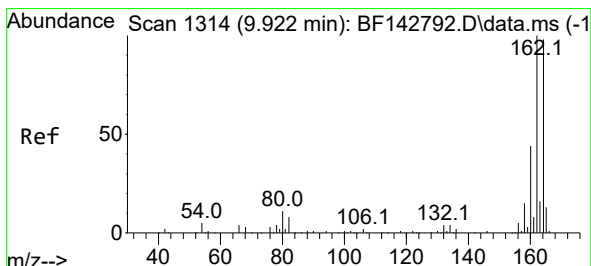
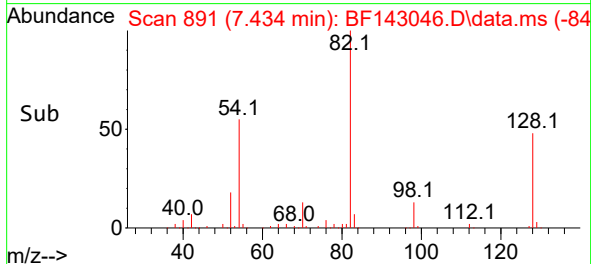
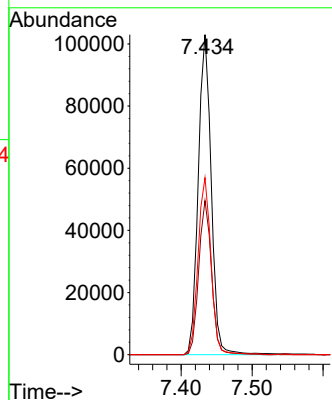
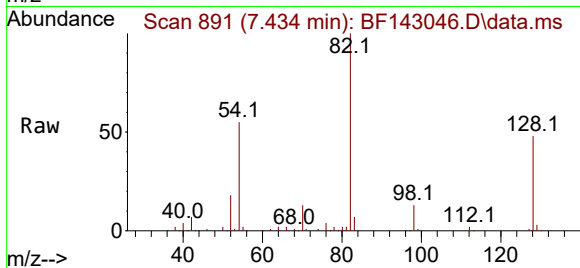
Tgt Ion: 82 Resp: 131484

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 55.3 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

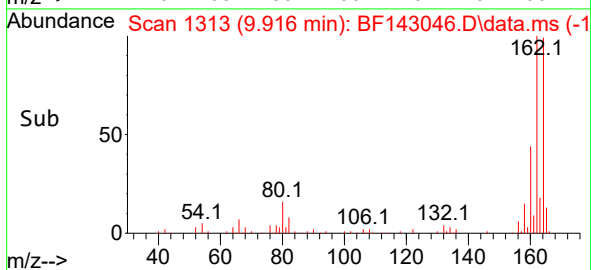
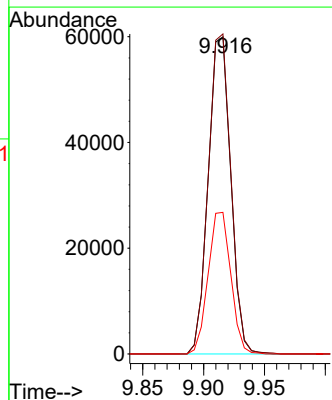
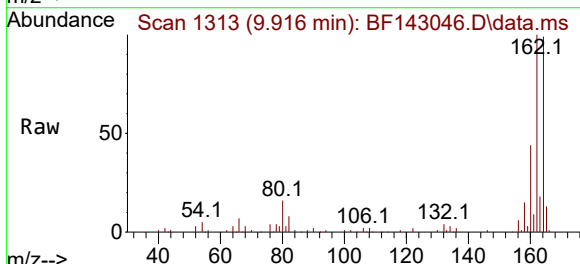
Tgt Ion:164 Resp: 77176

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.6 36.0 54.0

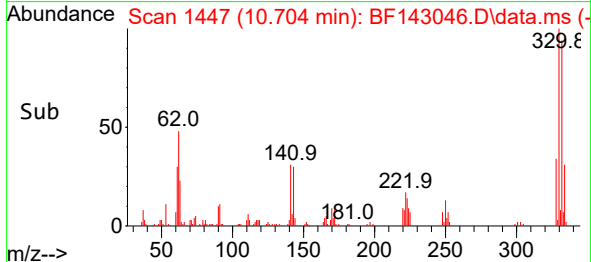
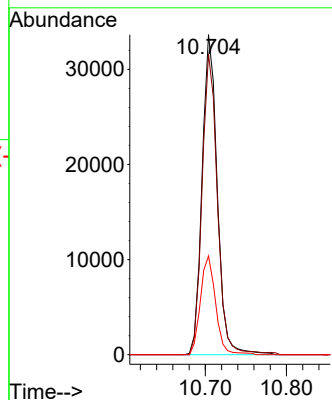
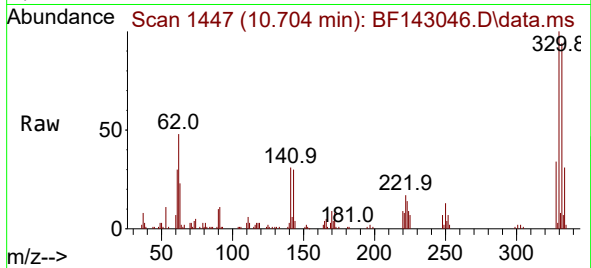




#42
2,4,6-Tribromophenol
Concen: 54.987 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

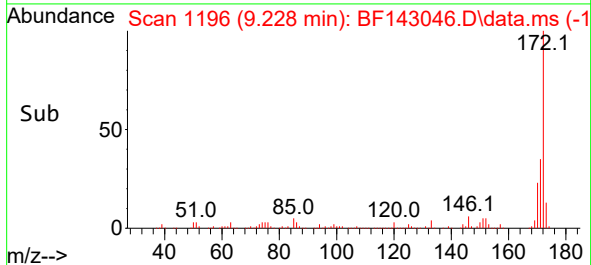
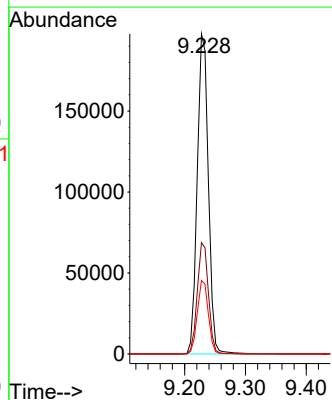
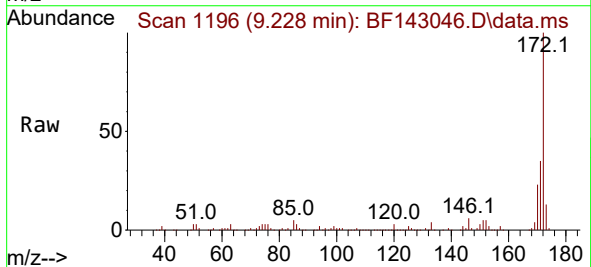
Instrument :
BNA_F
ClientSampleId :
TP-96

Tgt Ion: 330 Resp: 43670
Ion Ratio Lower Upper
330 100
332 94.9 75.0 112.6
141 30.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 42.726 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion: 172 Resp: 251010
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.0 18.5 27.7

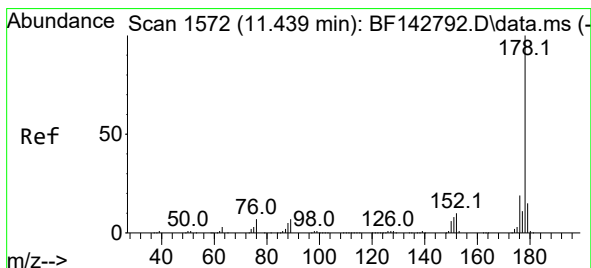
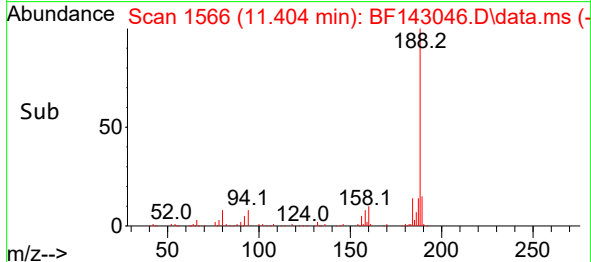
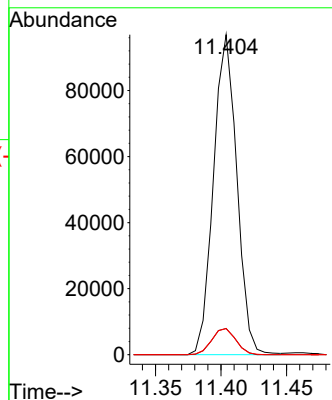
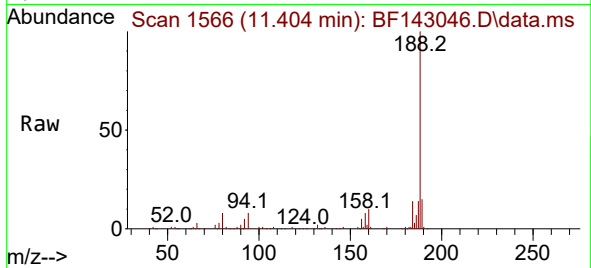




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

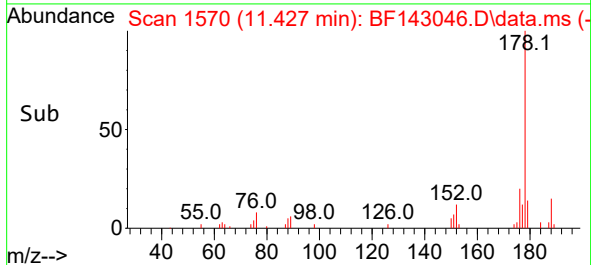
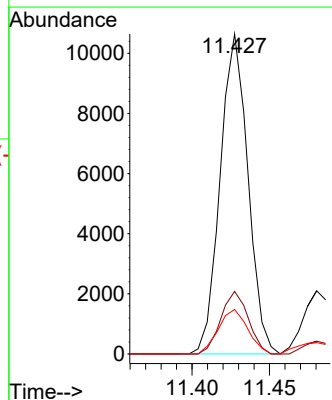
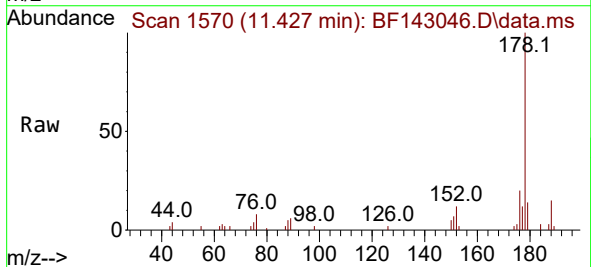
Instrument :
BNA_F
ClientSampleId :
TP-96

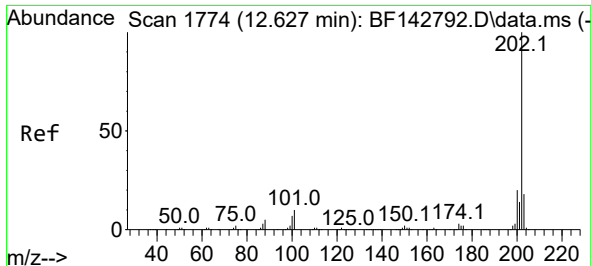
Tgt Ion:188 Resp: 119858
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.2 6.9 10.3



#71
Phenanthrene
Concen: 2.042 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:178 Resp: 13260
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 13.9 12.0 18.0

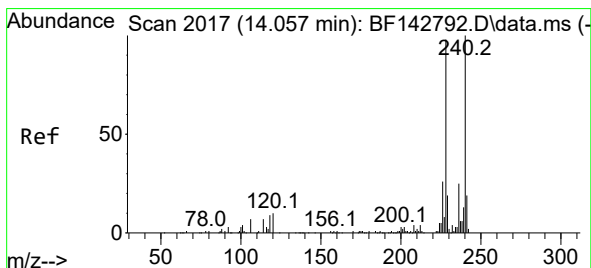
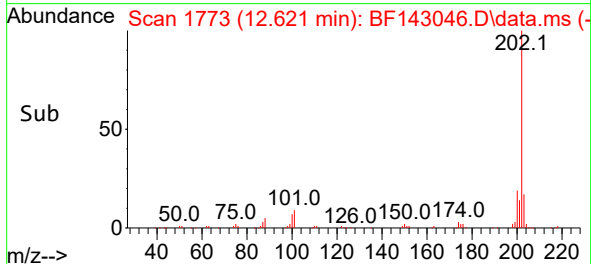
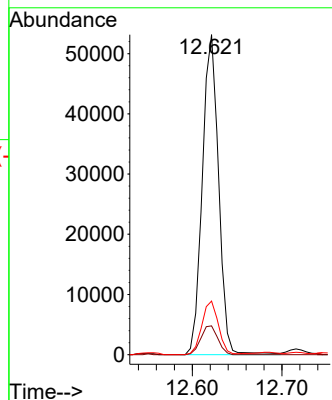
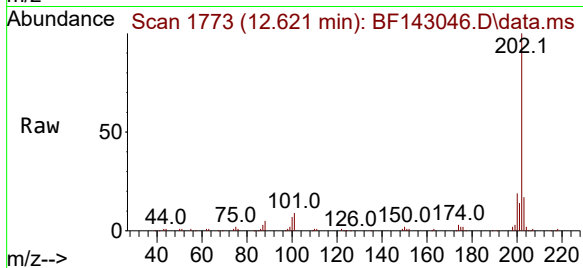




#75
Fluoranthene
Concen: 10.872 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

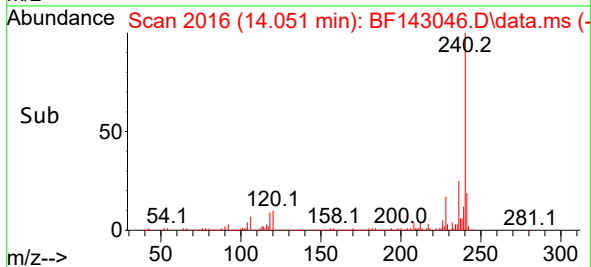
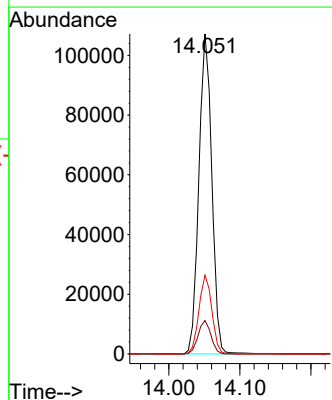
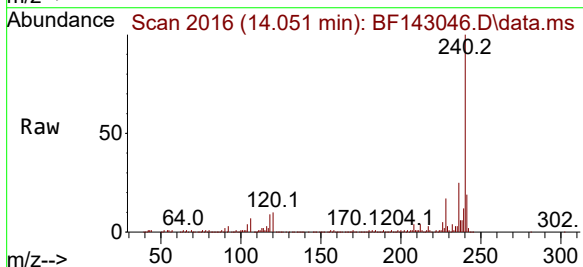
Instrument :
BNA_F
ClientSampleId :
TP-96

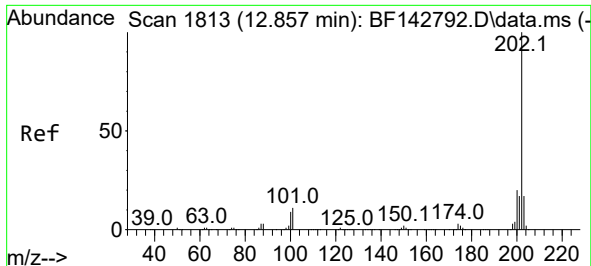
Tgt Ion:202 Resp: 66995
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:240 Resp: 136149
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 24.6 19.8 29.8

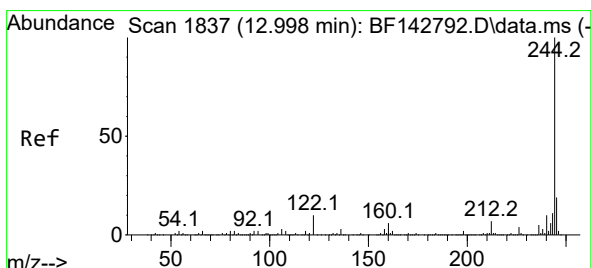
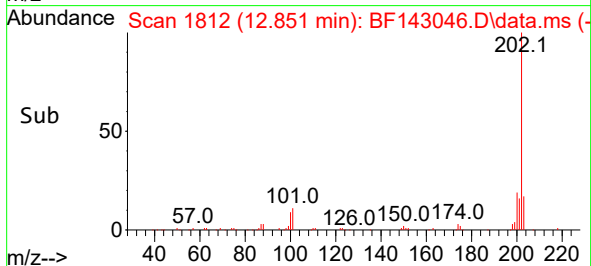
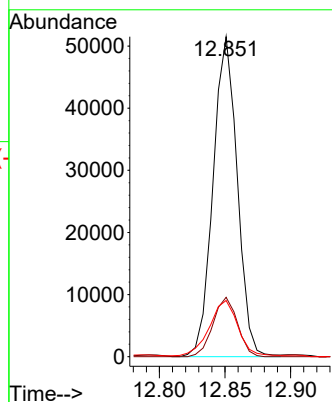
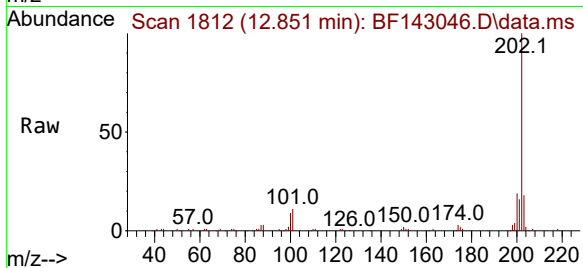




#78
 Pyrene
 Concen: 5.182 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

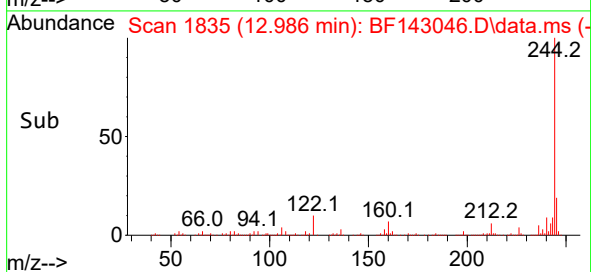
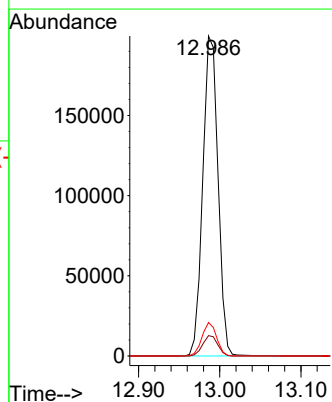
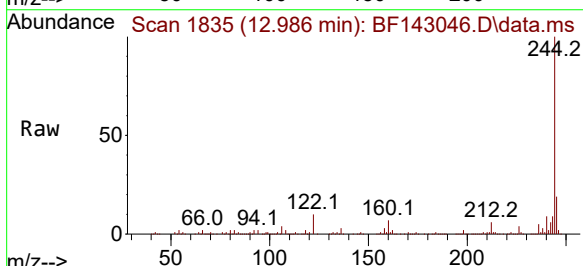
Instrument :
 BNA_F
 ClientSampleId :
 TP-96

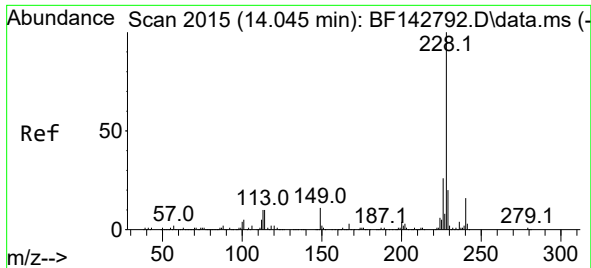
Tgt Ion:202 Resp: 66132
 Ion Ratio Lower Upper
 202 100
 200 18.6 15.7 23.5
 203 17.6 13.8 20.6



#79
 Terphenyl-d14
 Concen: 26.384 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:244 Resp: 259977
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.5 8.2 12.2

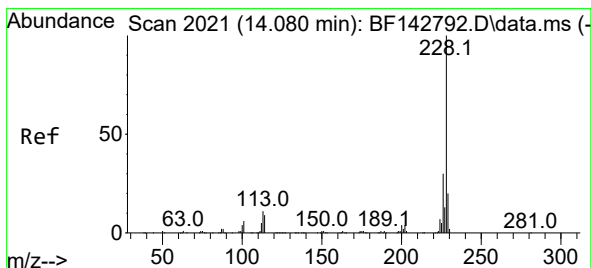
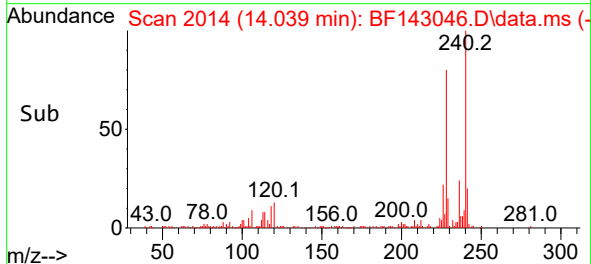
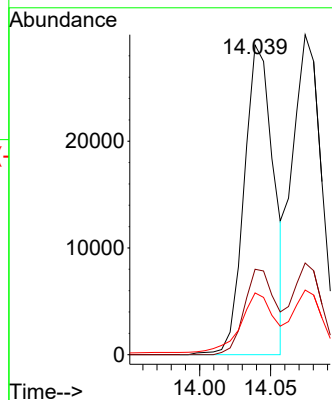
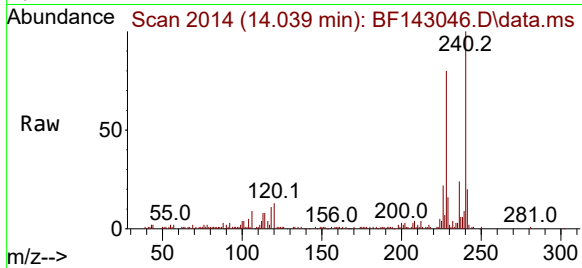




#81
Benzo(a)anthracene
Concen: 4.557 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

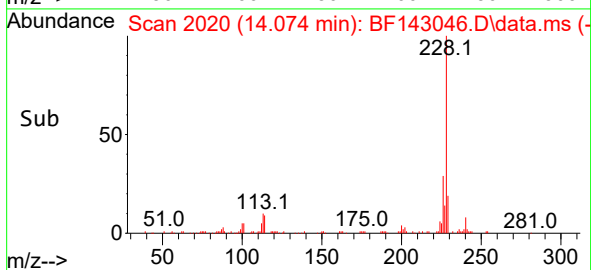
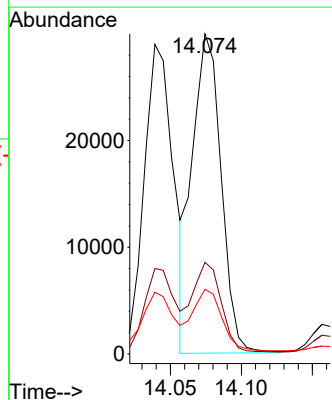
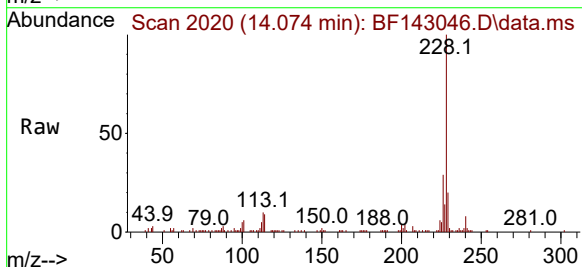
Instrument :
BNA_F
ClientSampleId :
TP-96

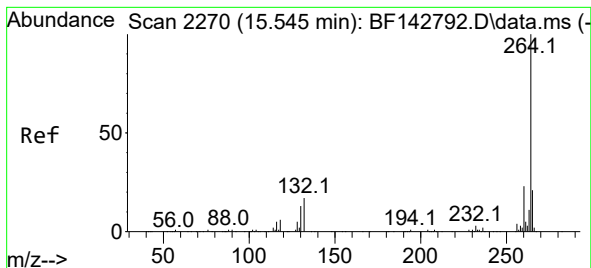
Tgt Ion:228 Resp: 41851
Ion Ratio Lower Upper
228 100
226 27.6 21.2 31.8
229 19.9 15.6 23.4



#83
Chrysene
Concen: 5.143 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:228 Resp: 42152
Ion Ratio Lower Upper
228 100
226 28.6 23.7 35.5
229 20.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

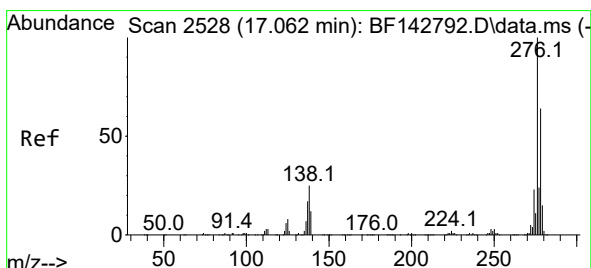
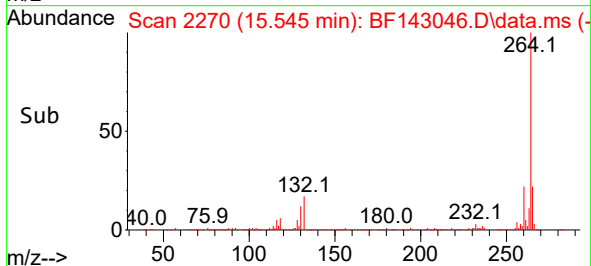
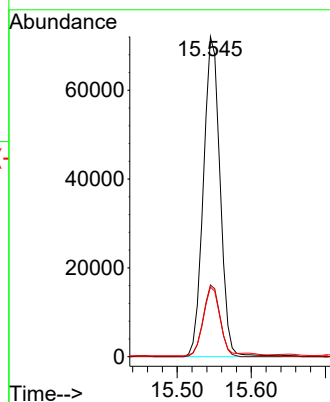
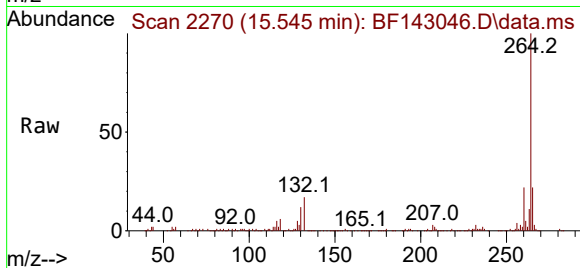
Tgt Ion:264 Resp: 112713

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 21.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.045 ng

RT: 17.062 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

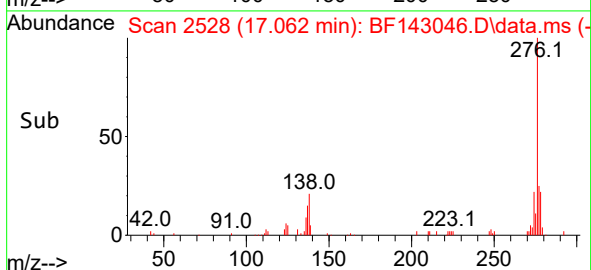
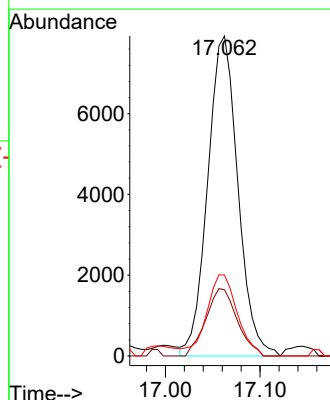
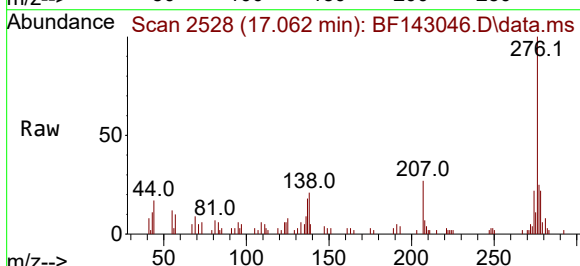
Tgt Ion:276 Resp: 17557

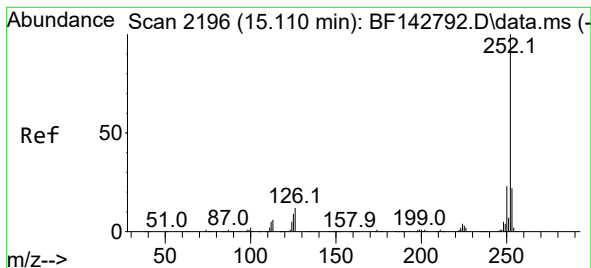
Ion Ratio Lower Upper

276 100

138 21.8 20.2 30.4

277 25.8 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 8.117 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

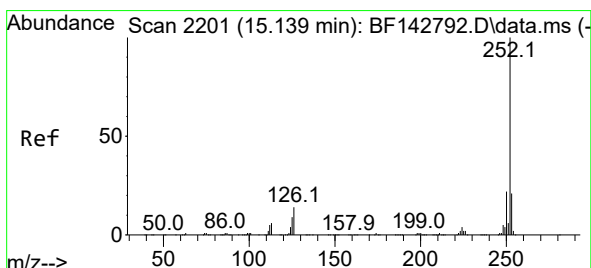
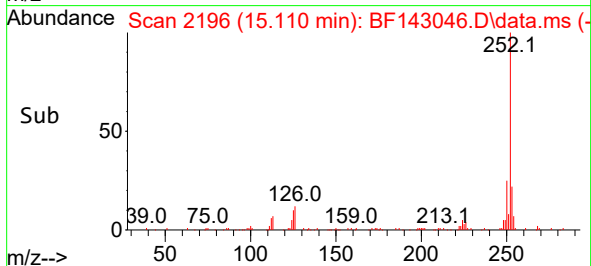
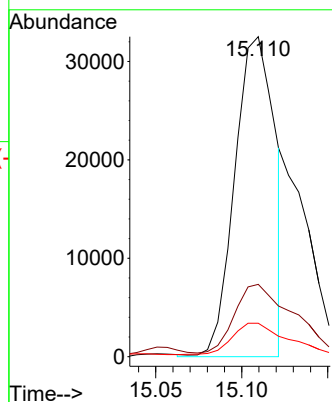
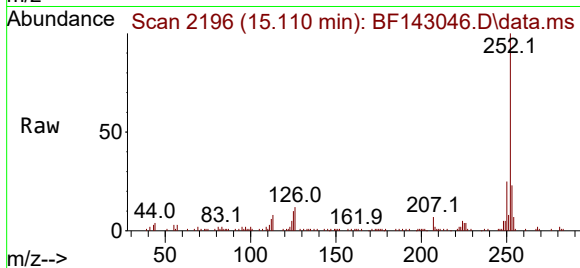
Tgt Ion:252 Resp: 52937

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 3.549 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

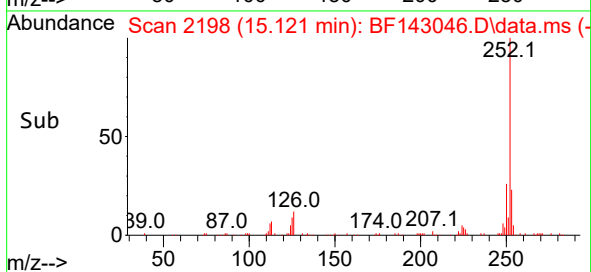
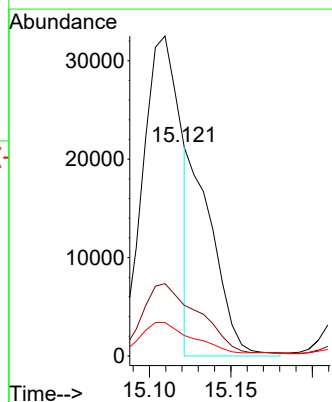
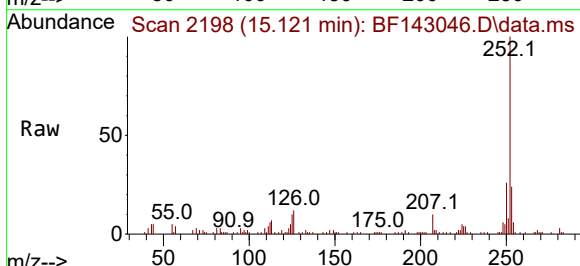
Tgt Ion:252 Resp: 21653

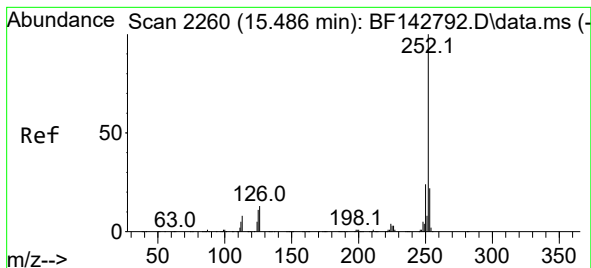
Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 9.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 5.464 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

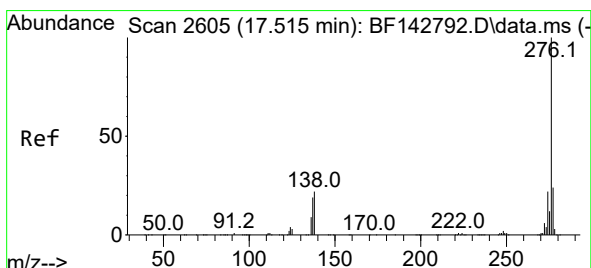
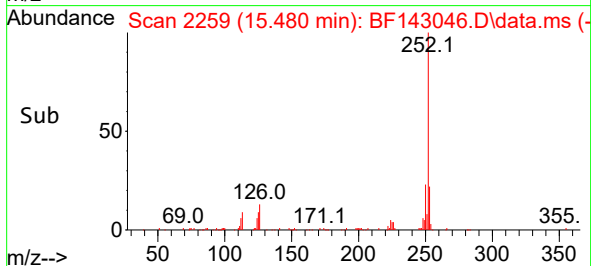
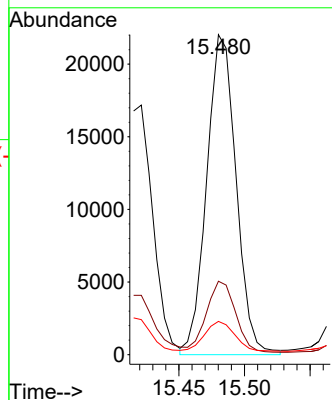
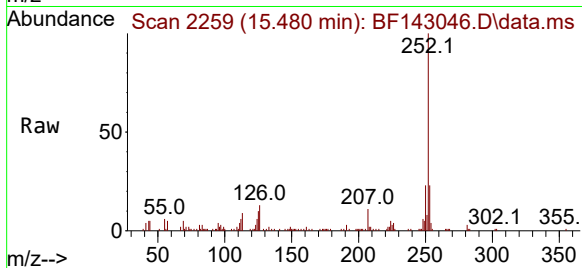
Tgt Ion:252 Resp: 34425

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.4 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 2.488 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Tgt Ion:276 Resp: 17304

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 22.9 17.6 26.4

