

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143038.D
 Acq On : 08 Jul 2025 17:37
 Operator : RC/JU
 Sample : Q2514-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Quant Time: Jul 08 18:07:06 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)

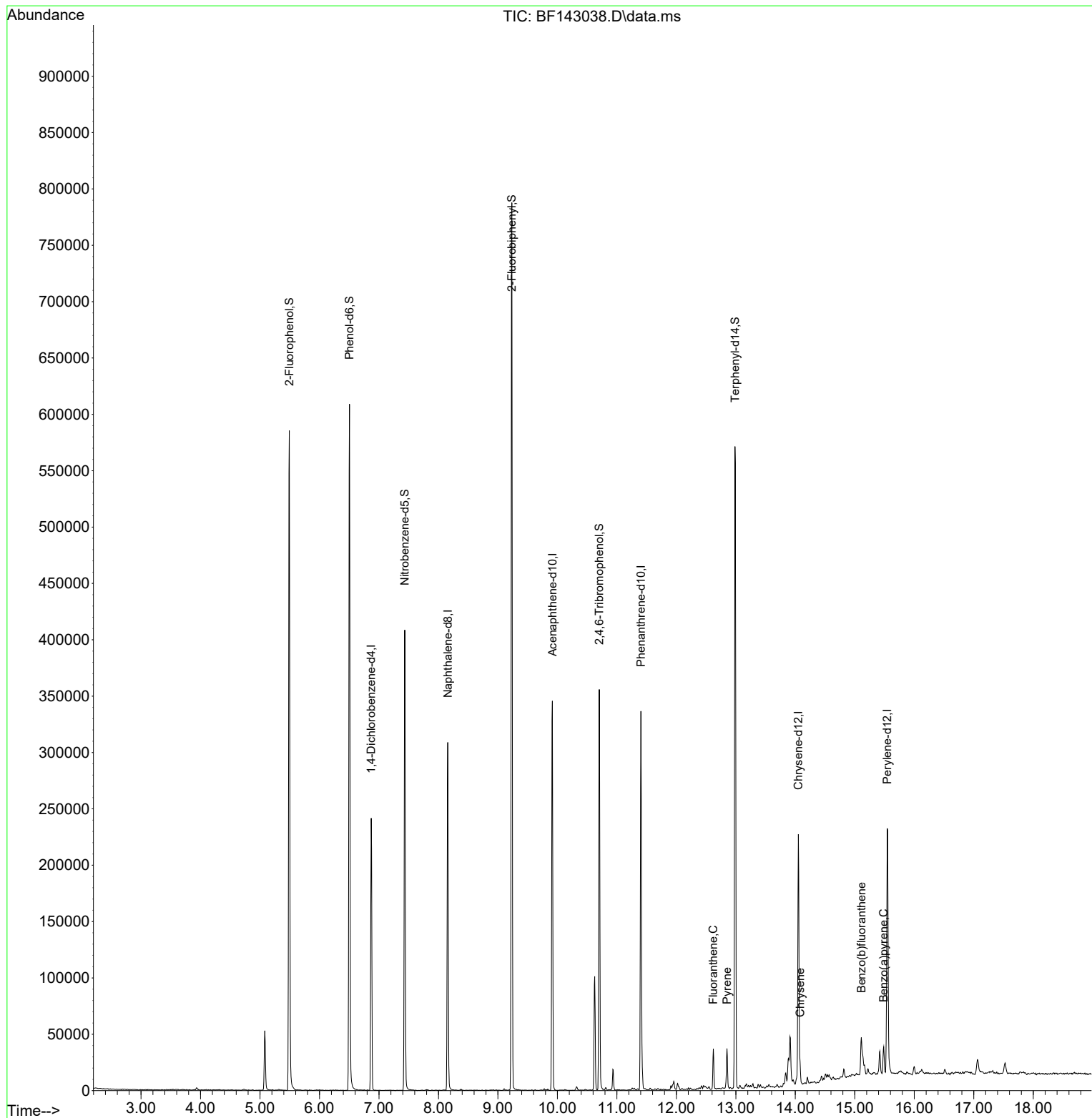
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53517	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	204226	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	107967	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	176632	20.000	ng	0.00
76) Chrysene-d12	14.051	240	101816	20.000	ng	0.00
86) Perylene-d12	15.545	264	128852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	237830	73.989	ng	0.00
7) Phenol-d6	6.504	99	286850	75.639	ng	0.00
23) Nitrobenzene-d5	7.434	82	172117	46.227	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	61813	55.635	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	361783	44.019	ng	-0.01
79) Terphenyl-d14	12.986	244	282841	38.383	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.622	202	21427	2.360	ng	99
78) Pyrene	12.851	202	21083	2.209	ng	98
83) Chrysene	14.080	228	12655	2.065	ng	99
88) Benzo(b)fluoranthene	15.110	252	22811m	3.059	ng	
90) Benzo(a)pyrene	15.486	252	16099	2.235	ng	97

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

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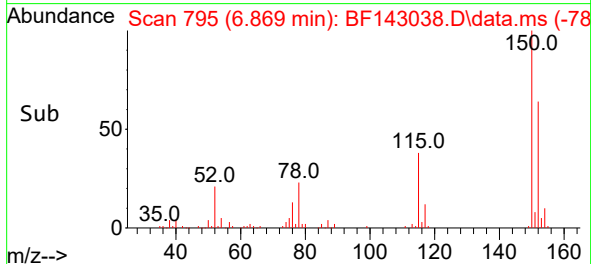
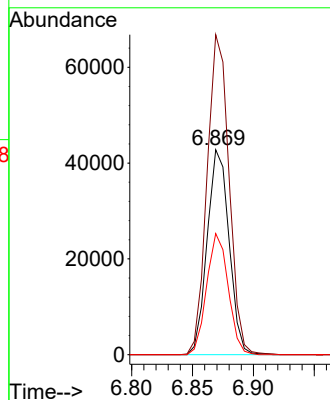
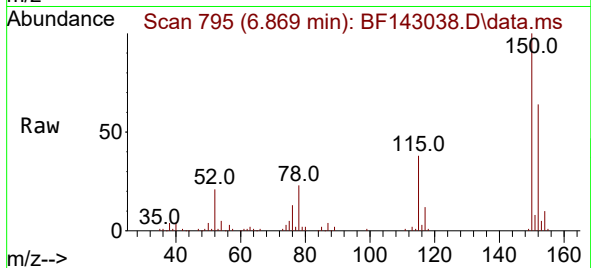




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

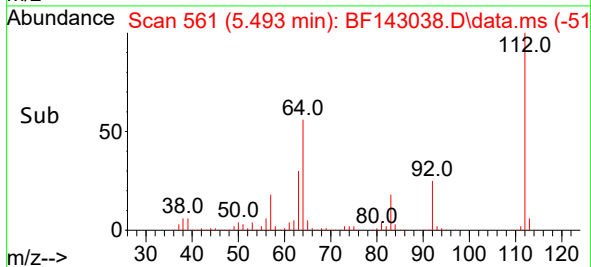
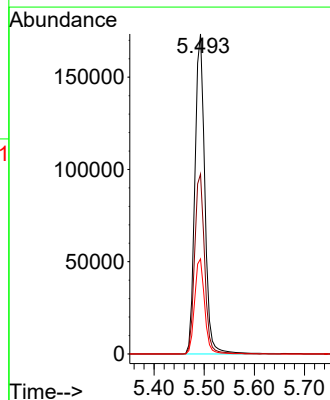
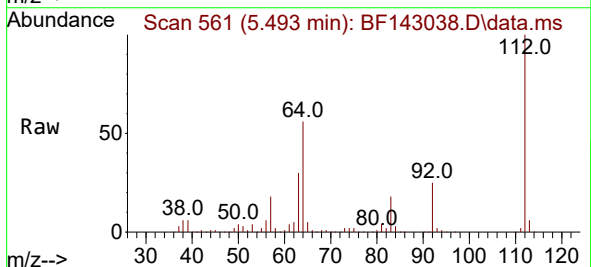
Instrument :
BNA_F
ClientSampleId :
TP-97

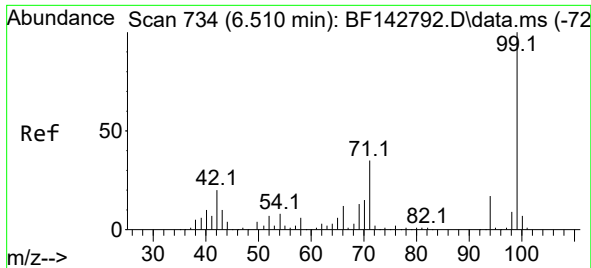
Tgt Ion:152 Resp: 53517
Ion Ratio Lower Upper
152 100
150 156.2 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 73.989 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion:112 Resp: 237830
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.7 25.7 38.5

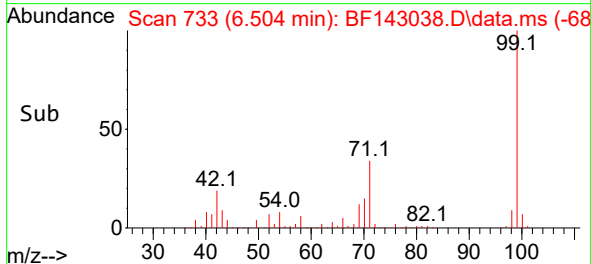
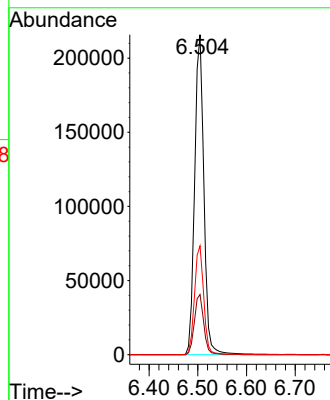
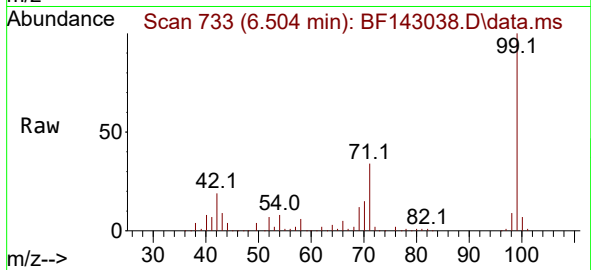




#7
Phenol-d6
Concen: 75.639 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

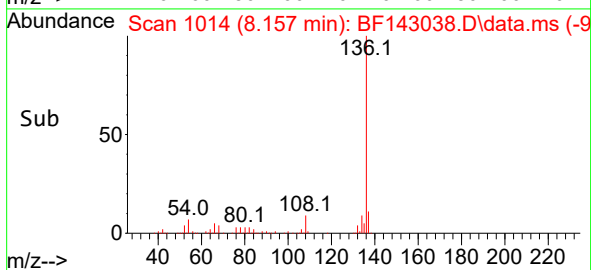
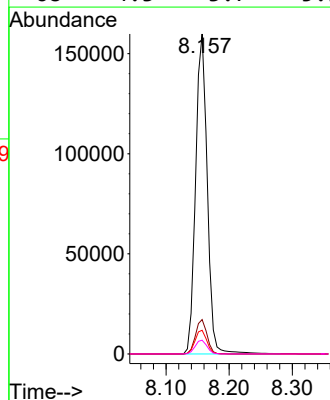
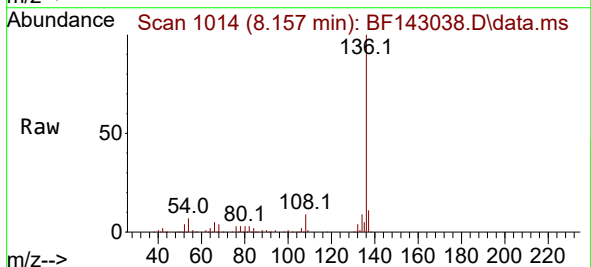
Instrument :
BNA_F
ClientSampleId :
TP-97

Tgt Ion: 99 Resp: 286850
Ion Ratio Lower Upper
99 100
42 18.8 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: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion: 136 Resp: 204226
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 46.227 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

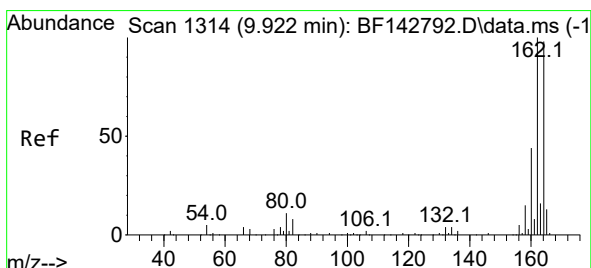
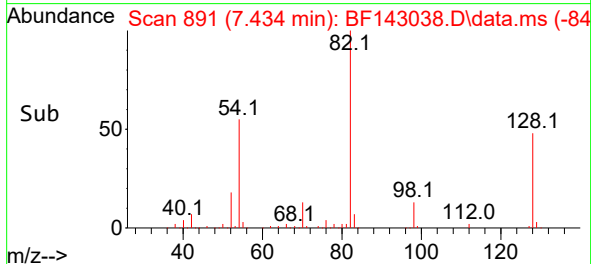
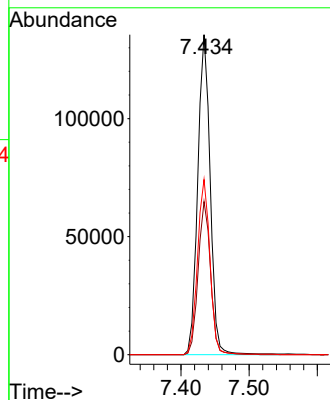
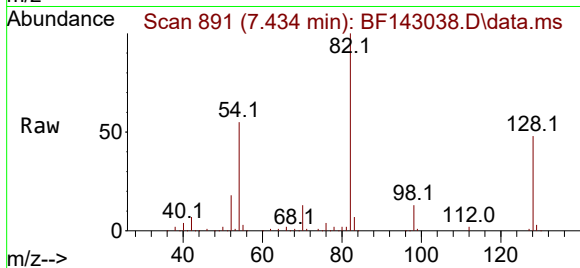
Tgt Ion: 82 Resp: 172117

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 54.8 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: BF143038.D

Acq: 08 Jul 2025 17:37

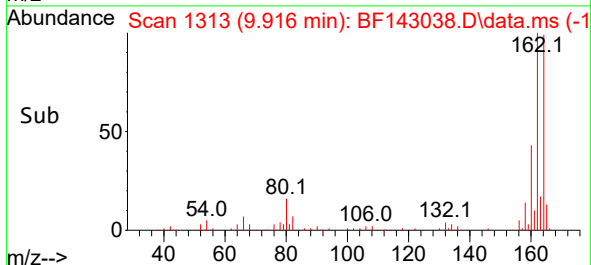
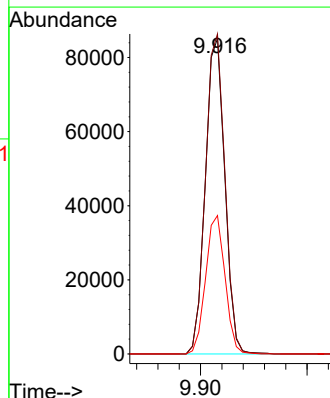
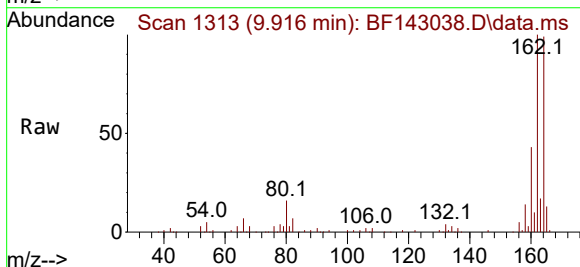
Tgt Ion:164 Resp: 107967

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 55.635 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

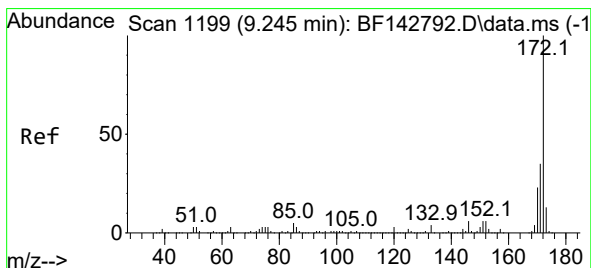
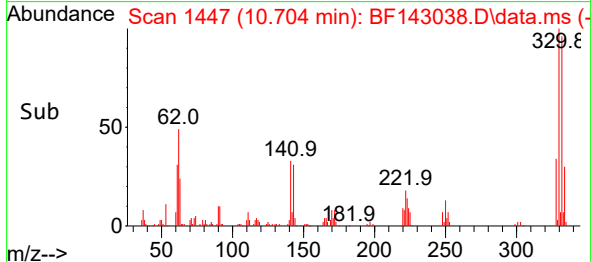
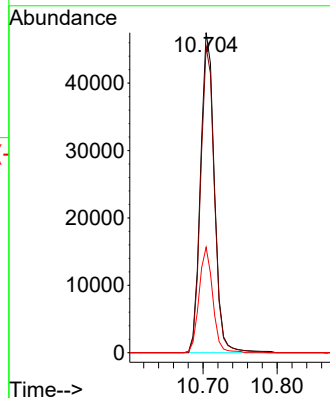
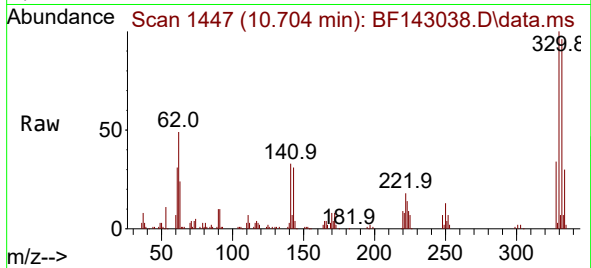
Tgt Ion:330 Resp: 61813

Ion Ratio Lower Upper

330 100

332 95.0 75.0 112.6

141 32.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.019 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

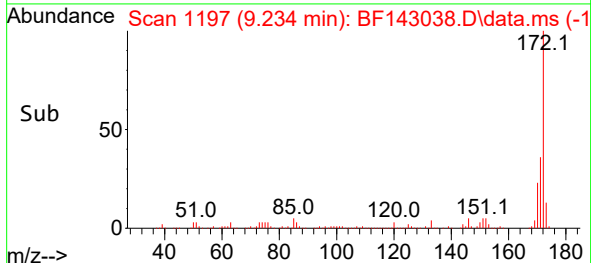
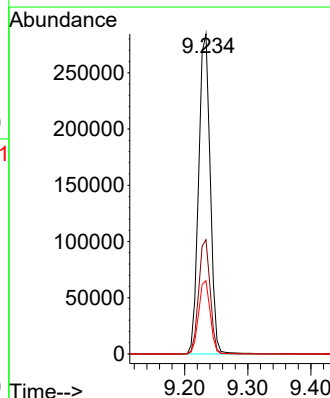
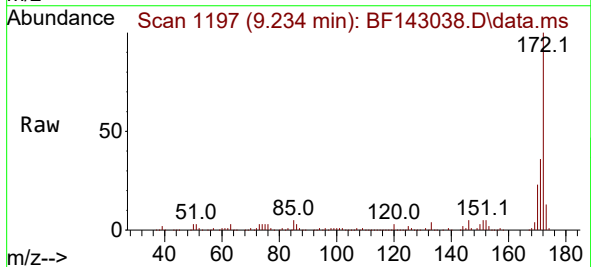
Tgt Ion:172 Resp: 361783

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 22.9 18.5 27.7

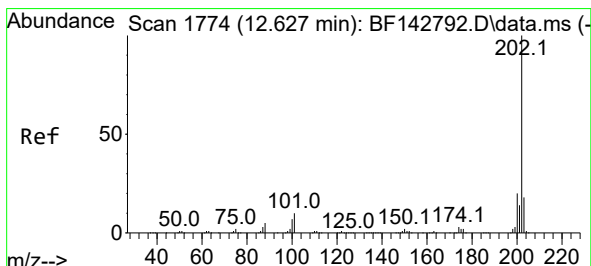
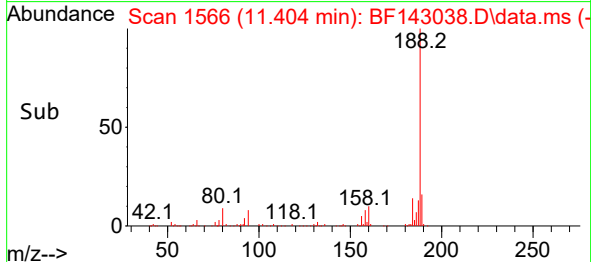
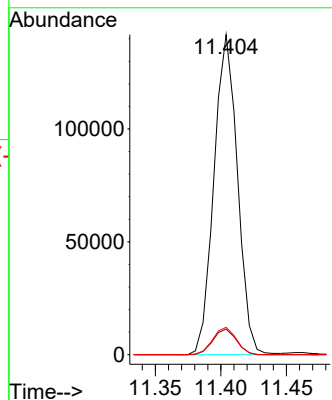
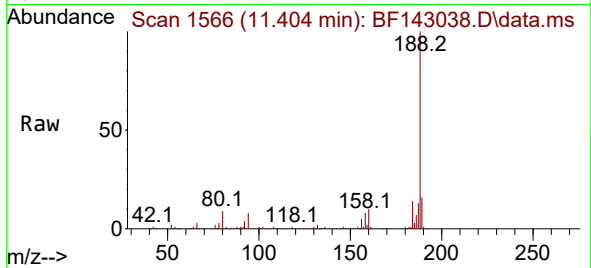




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

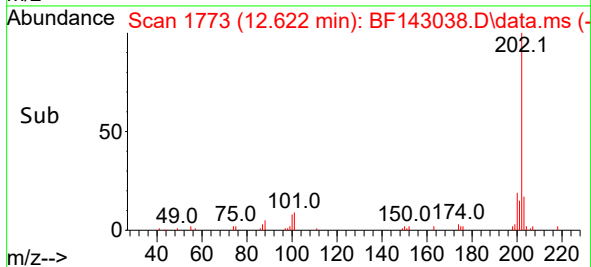
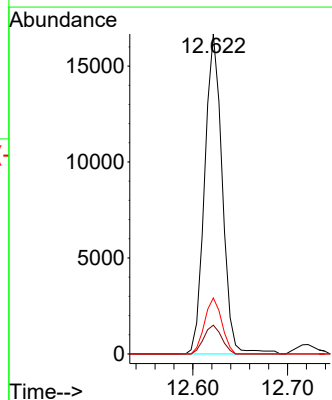
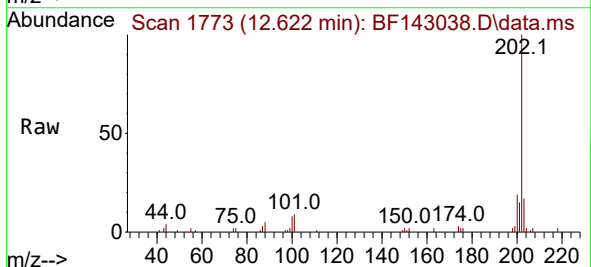
Instrument :
BNA_F
ClientSampleId :
TP-97

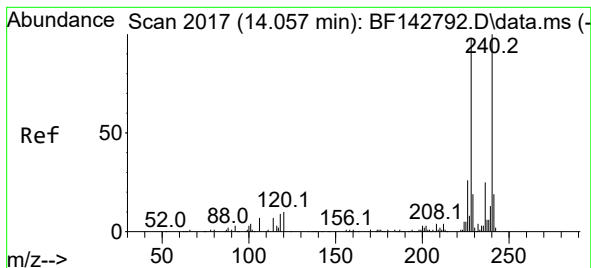
Tgt Ion:188 Resp: 176632
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 6.9 10.3



#75
Fluoranthene
Concen: 2.360 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion:202 Resp: 21427
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.5 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: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

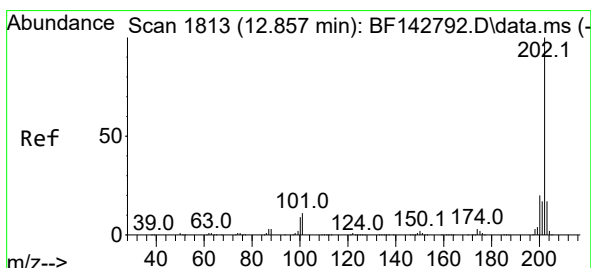
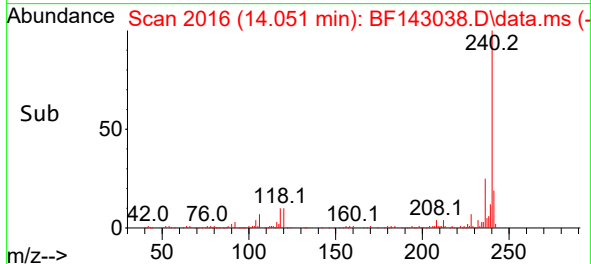
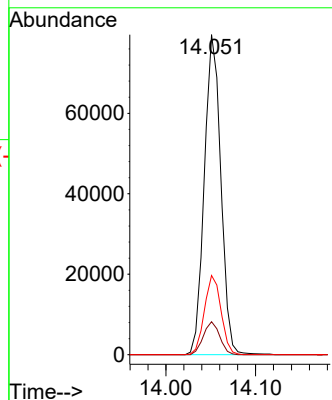
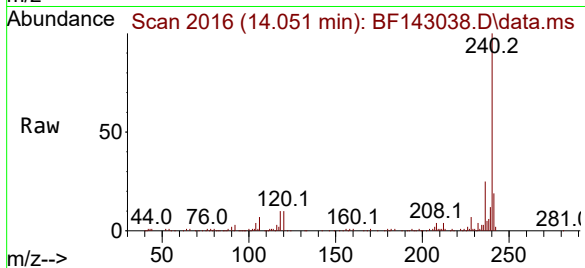
Tgt Ion:240 Resp: 101816

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.7 19.8 29.8



#78

Pyrene

Concen: 2.209 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

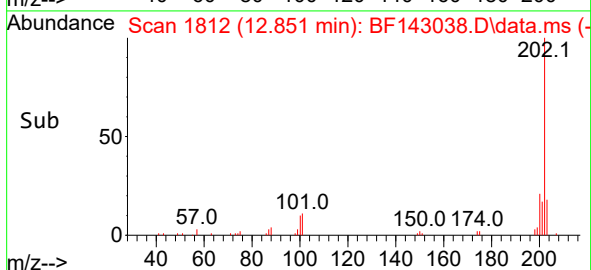
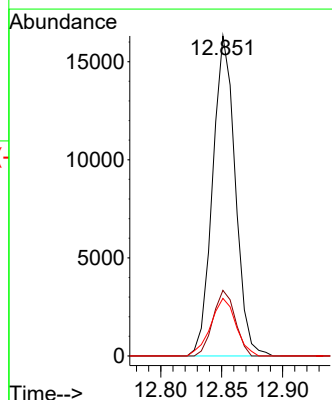
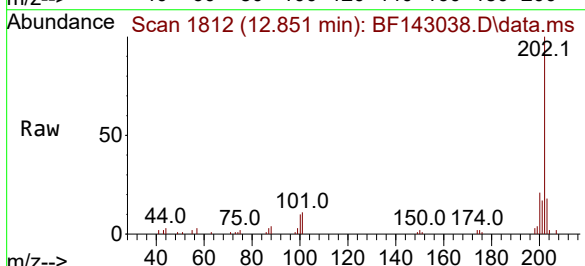
Tgt Ion:202 Resp: 21083

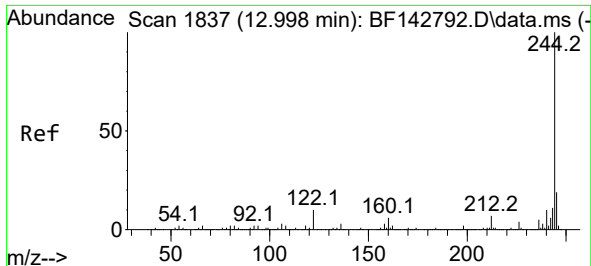
Ion Ratio Lower Upper

202 100

200 20.5 15.7 23.5

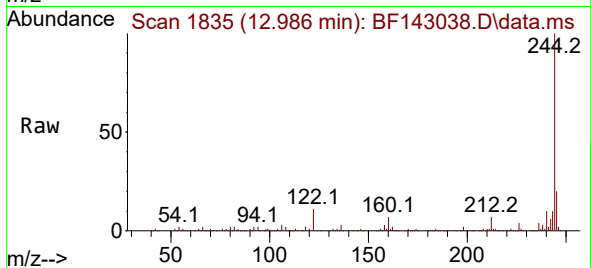
203 18.0 13.8 20.6



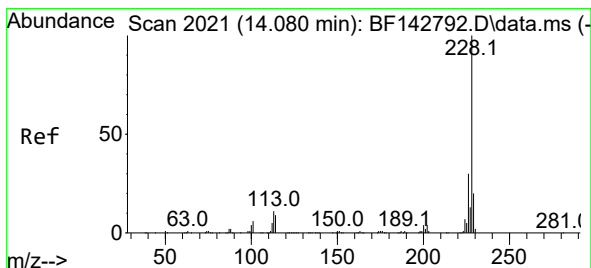
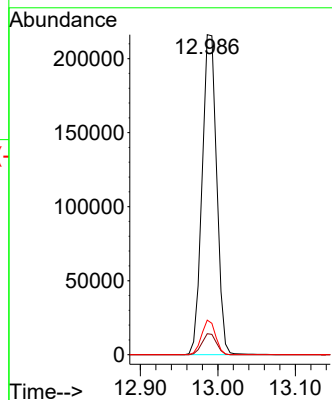
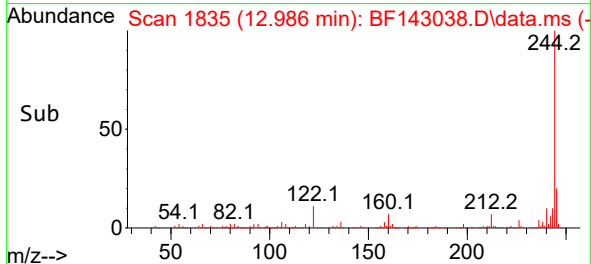


#79
Terphenyl-d14
Concen: 38.383 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Instrument :
BNA_F
ClientSampleId :
TP-97

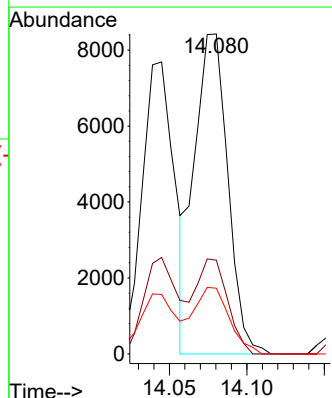
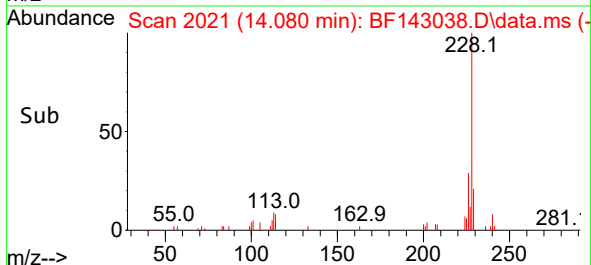
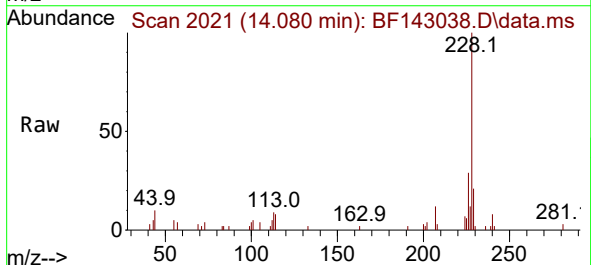


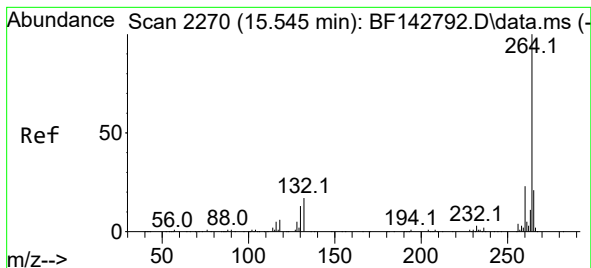
Tgt Ion:244 Resp: 282841
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 10.8 8.2 12.2



#83
Chrysene
Concen: 2.065 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion:228 Resp: 12655
Ion Ratio Lower Upper
228 100
226 29.3 23.7 35.5
229 20.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

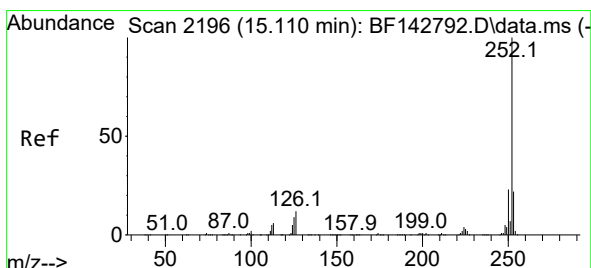
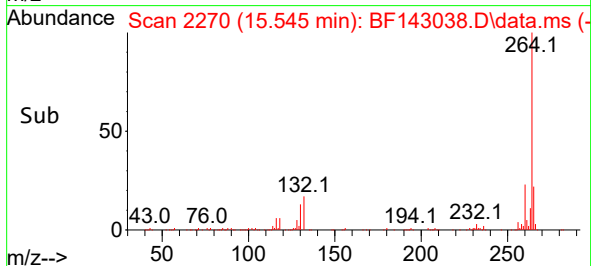
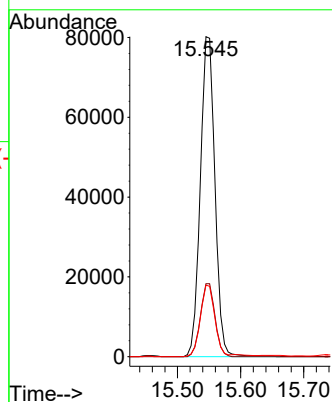
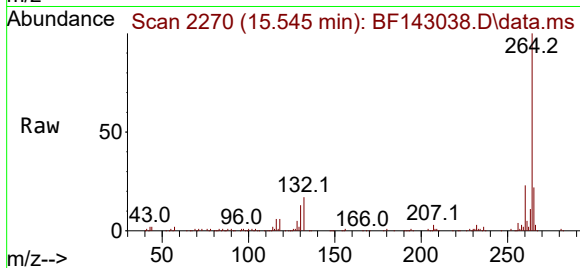
Tgt Ion:264 Resp: 128852

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 22.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.059 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

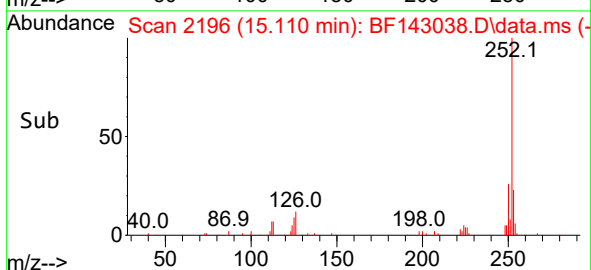
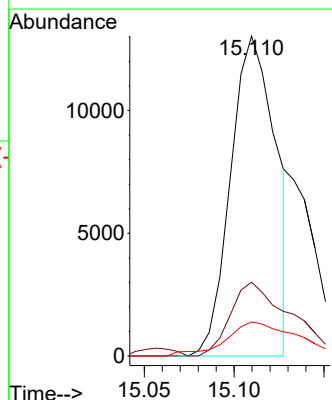
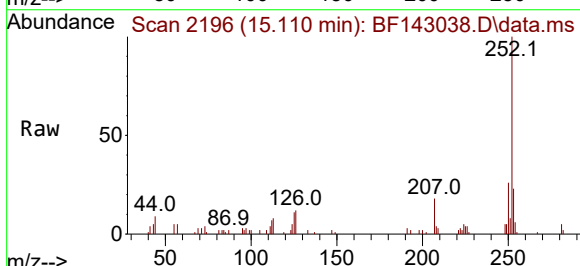
Tgt Ion:252 Resp: 22811

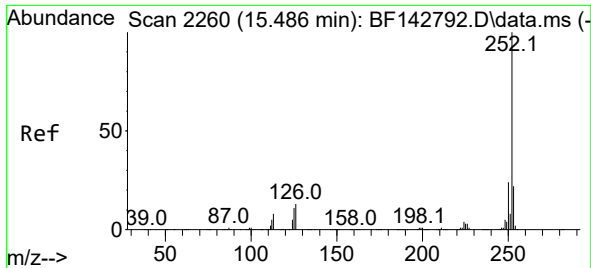
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

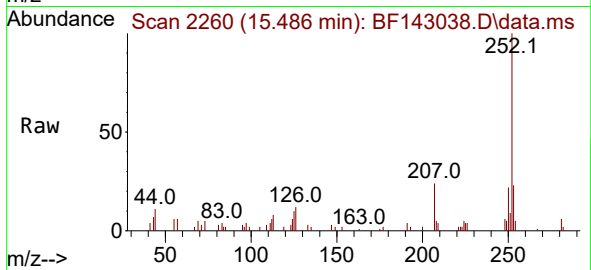
125 10.7 7.4 11.0





#90
 Benzo(a)pyrene
 Concen: 2.235 ng
 RT: 15.486 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97



Tgt Ion:	252	Resp:	16099
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	9.6	8.6	12.8

