

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143022.D
 Acq On : 07 Jul 2025 21:52
 Operator : RC/JU
 Sample : Q2473-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT#2

Quant Time: Jul 08 01:00:01 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)

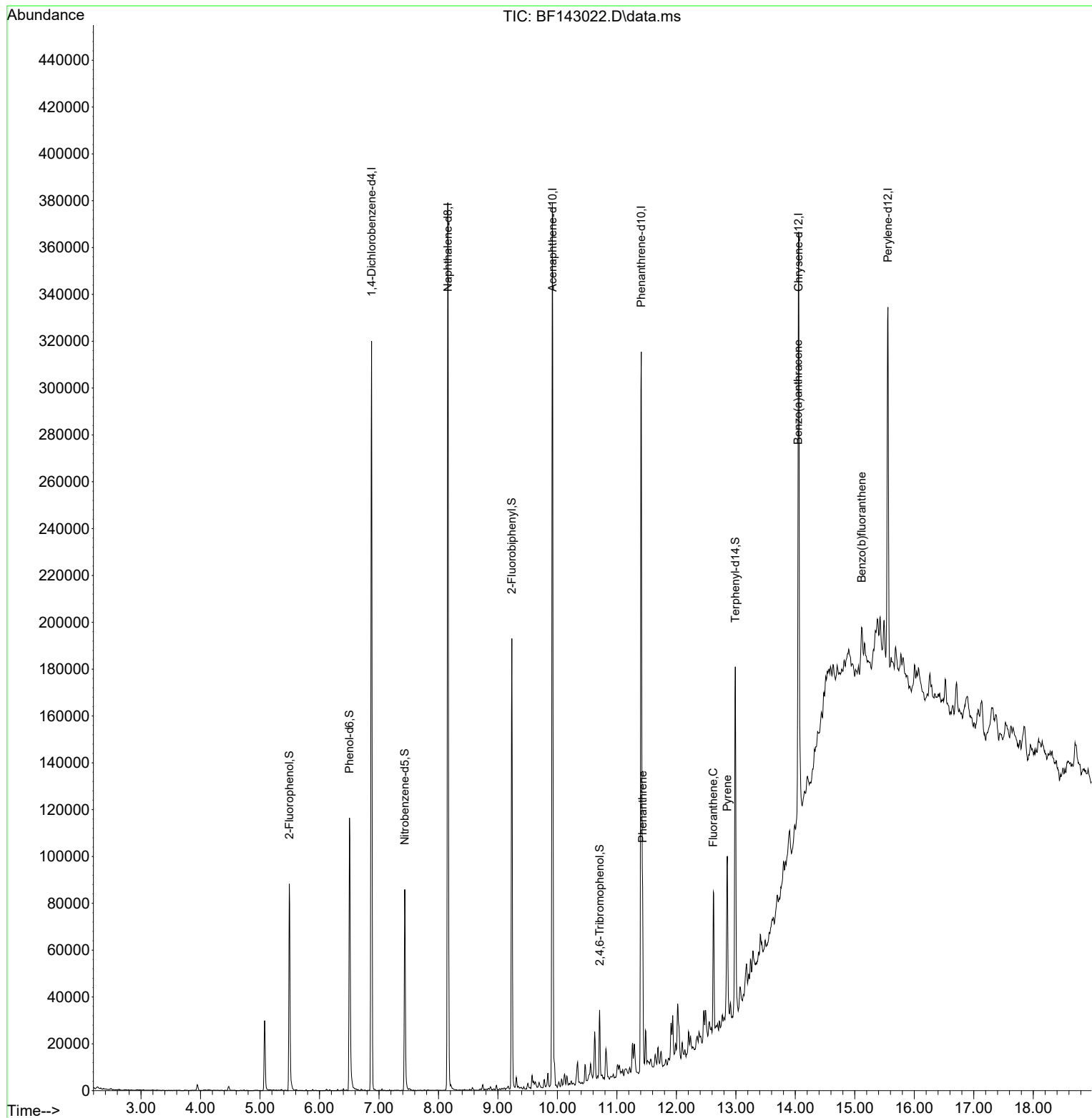
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71088	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	253688	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	114128	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	161870	20.000	ng	0.00
76) Chrysene-d12	14.057	240	118431	20.000	ng	0.00
86) Perylene-d12	15.557	264	87043	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	37996	8.899	ng	0.00
7) Phenol-d6	6.504	99	60684	12.047	ng	0.00
23) Nitrobenzene-d5	7.434	82	37650	8.140	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	5559	4.733	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	86983	10.012	ng	-0.01
79) Terphenyl-d14	12.992	244	68024	7.936	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	41286	4.708	ng	99
75) Fluoranthene	12.622	202	34979	4.203	ng	99
78) Pyrene	12.857	202	40303	3.631	ng	96
81) Benzo(a)anthracene	14.045	228	16596	2.077	ng	# 92
88) Benzo(b)fluoranthene	15.116	252	10588m	2.102	ng	

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

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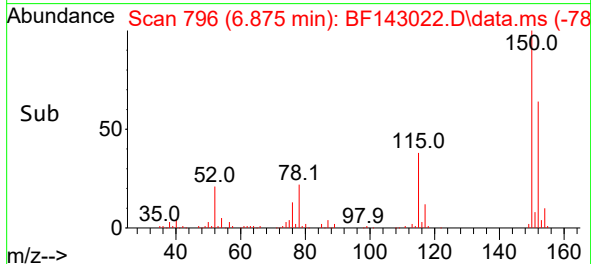
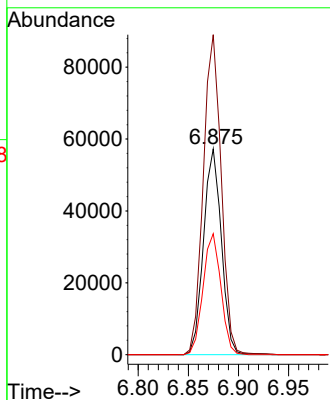
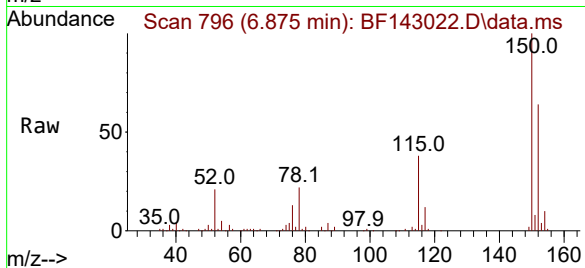




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF143022.D
 Acq: 07 Jul 2025 21:52

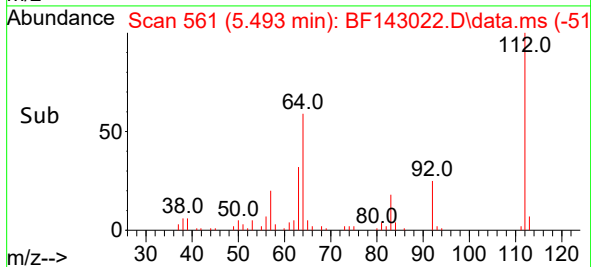
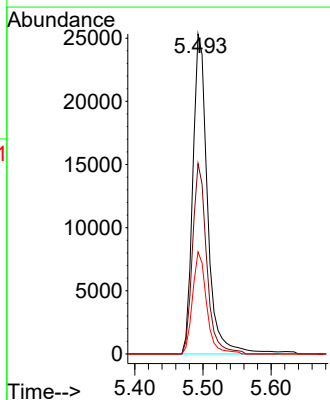
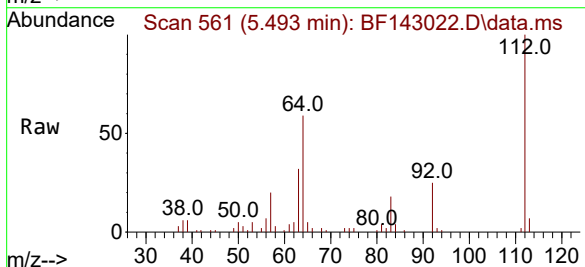
Instrument :
 BNA_F
 ClientSampleId :
 PIT#2

Tgt Ion:152 Resp: 71088
 Ion Ratio Lower Upper
 152 100
 150 155.5 127.2 190.8
 115 58.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 8.899 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143022.D
 Acq: 07 Jul 2025 21:52

Tgt Ion:112 Resp: 37996
 Ion Ratio Lower Upper
 112 100
 64 59.5 48.2 72.2
 63 31.9 25.7 38.5

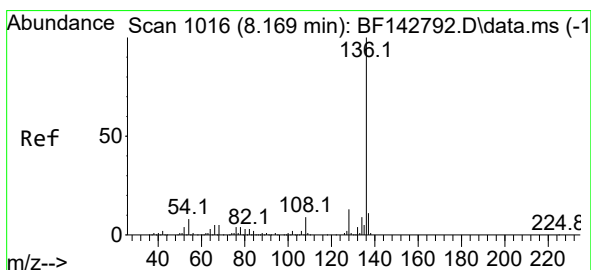
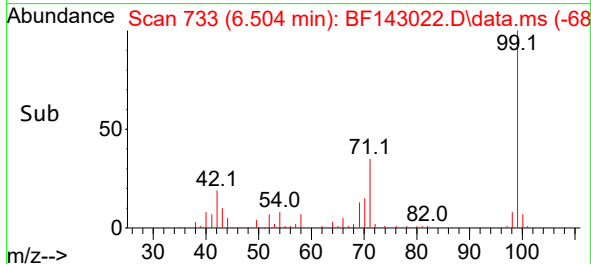
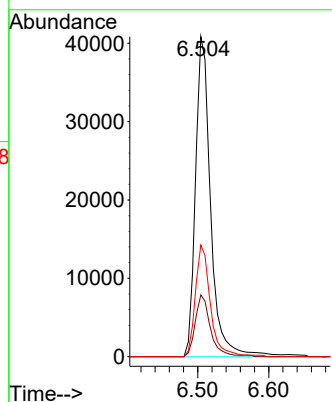
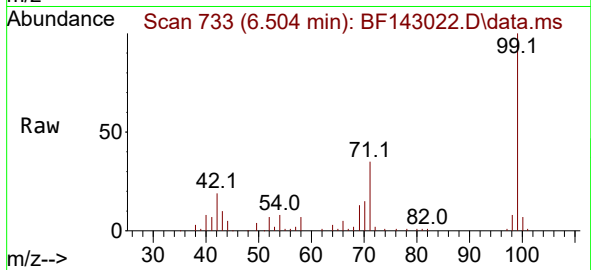




#7
Phenol-d6
Concen: 12.047 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

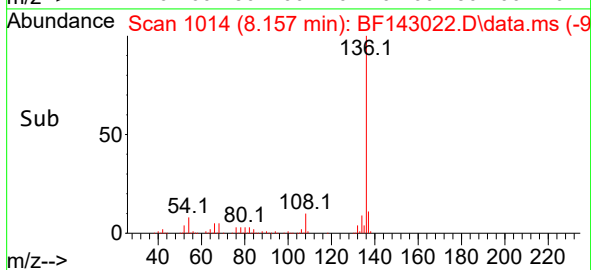
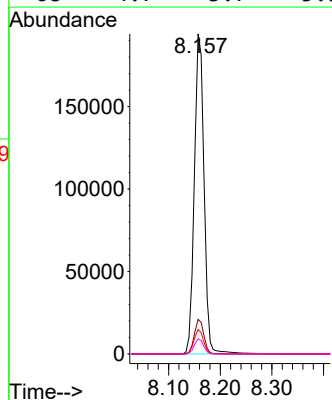
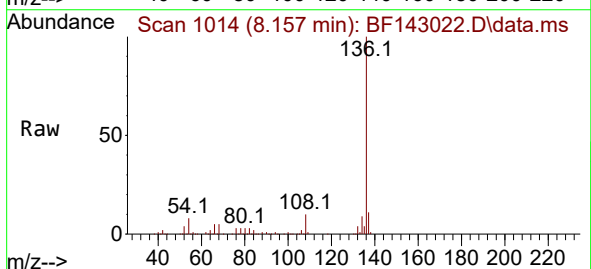
Instrument :
BNA_F
ClientSampleId :
PIT#2

Tgt Ion: 99 Resp: 60684
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.9 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: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion: 136 Resp: 253688
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.7 6.3 9.5
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 8.140 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

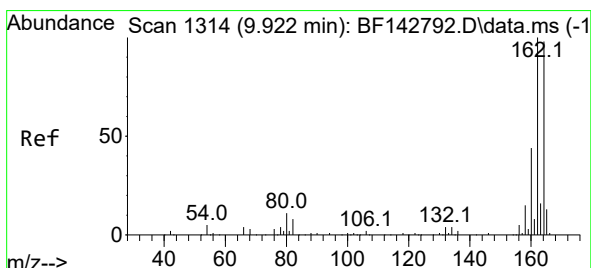
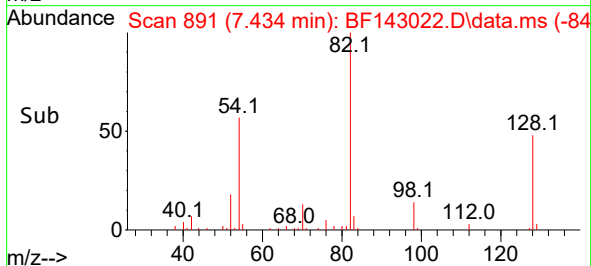
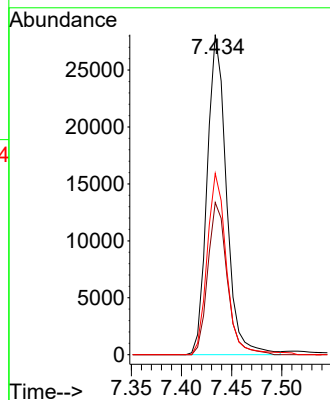
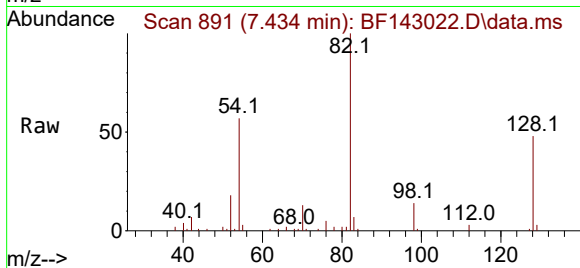
Tgt Ion: 82 Resp: 37650

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.6 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: BF143022.D

Acq: 07 Jul 2025 21:52

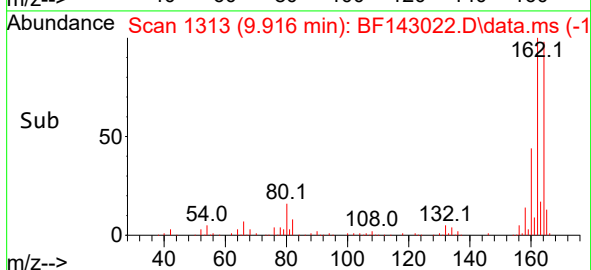
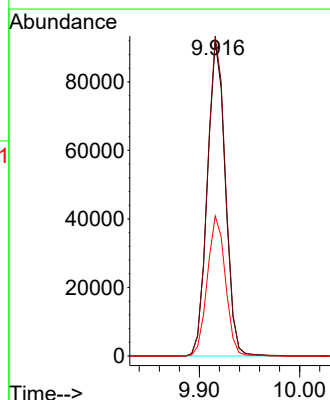
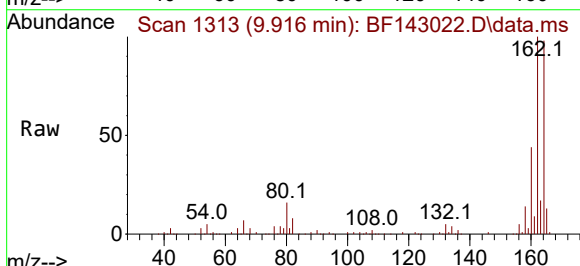
Tgt Ion:164 Resp: 114128

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.8

160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 4.733 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

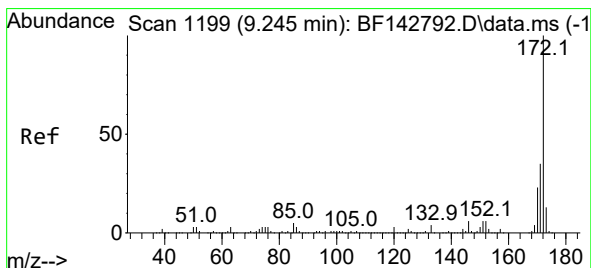
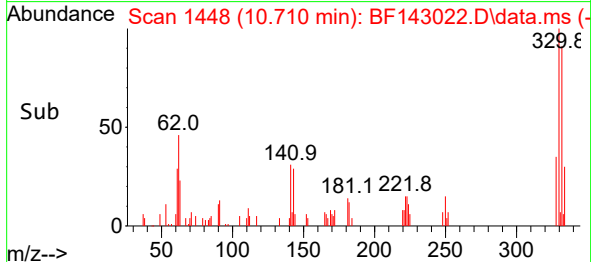
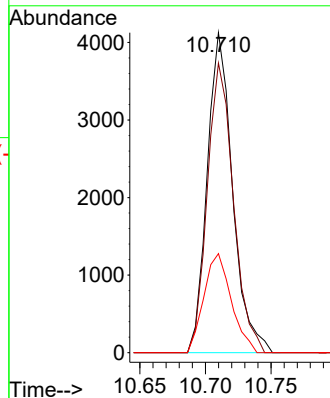
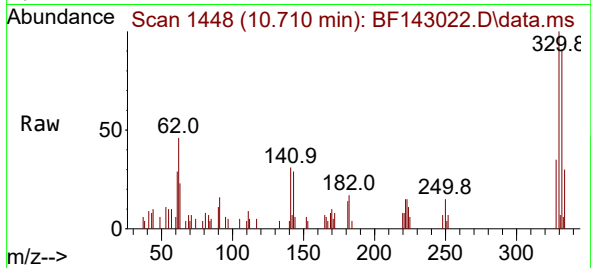
Tgt Ion:330 Resp: 5559

Ion Ratio Lower Upper

330 100

332 92.7 75.0 112.6

141 33.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 10.012 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

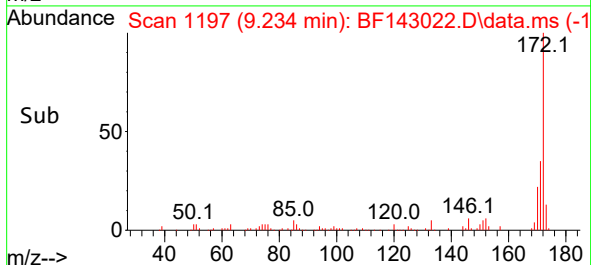
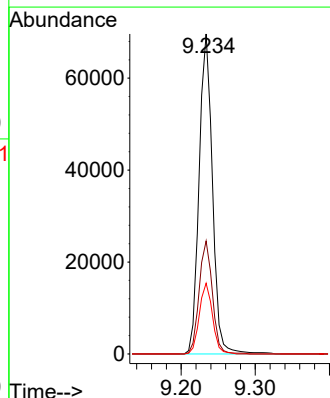
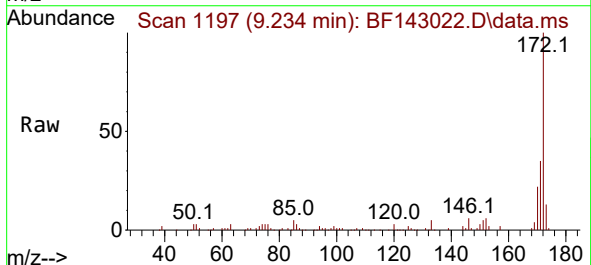
Tgt Ion:172 Resp: 86983

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.1 18.5 27.7

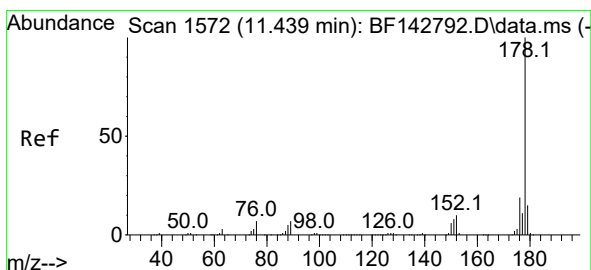
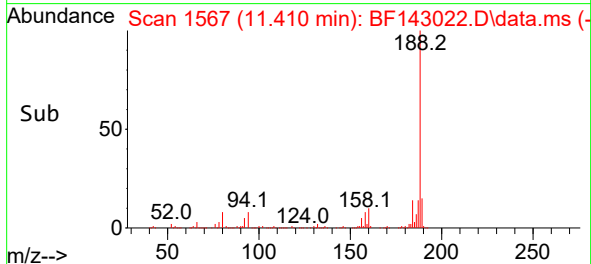
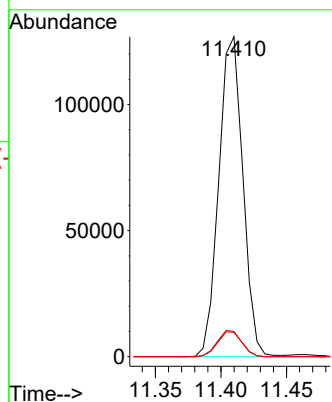
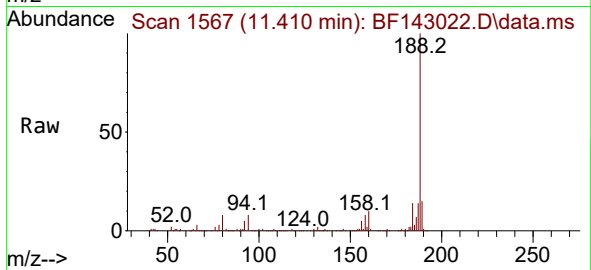




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

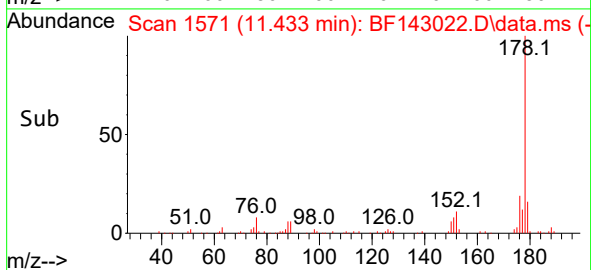
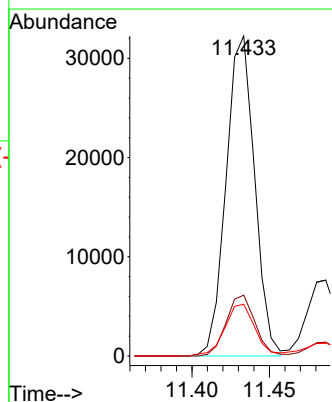
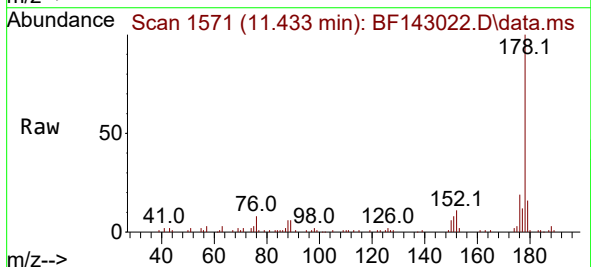
Instrument :
BNA_F
ClientSampleId :
PIT#2

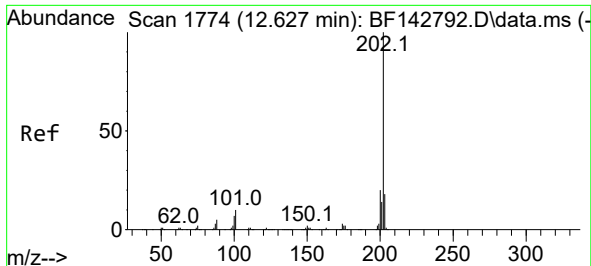
Tgt Ion:188 Resp: 161870
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.9 6.9 10.3



#71
Phenanthrene
Concen: 4.708 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:178 Resp: 41286
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 16.2 12.0 18.0

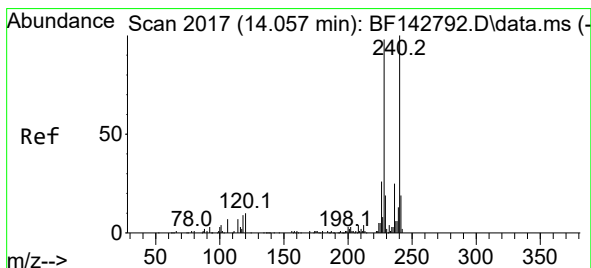
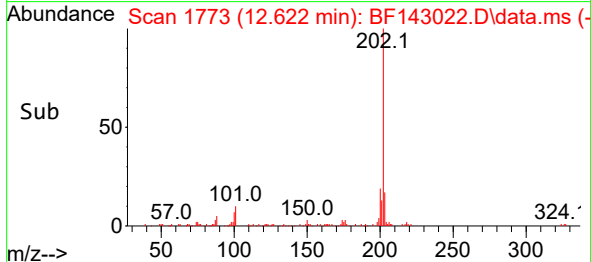
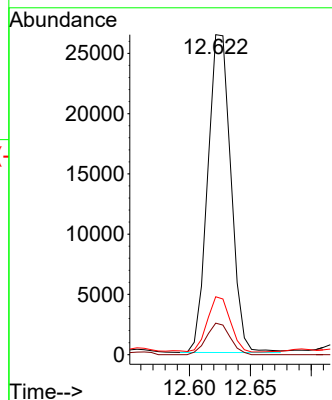
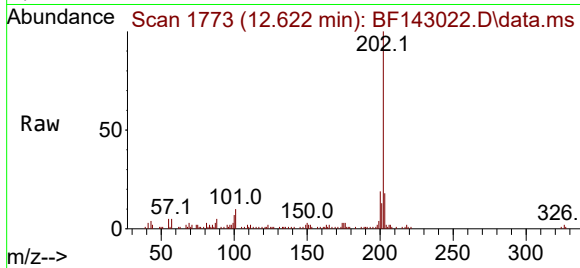




#75
Fluoranthene
Concen: 4.203 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

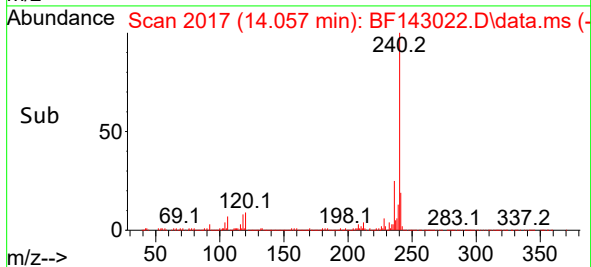
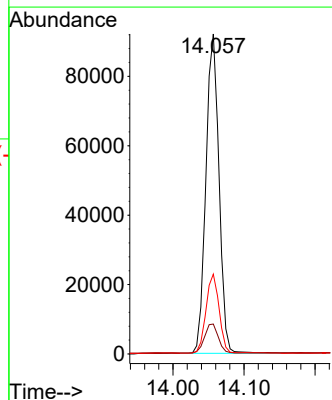
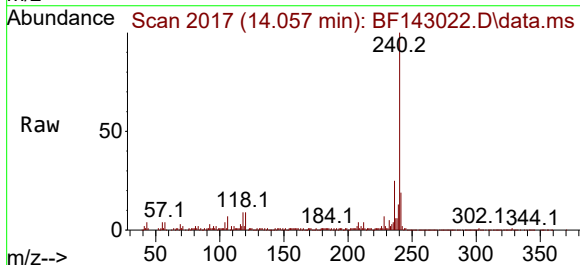
Instrument :
BNA_F
ClientSampleId :
PIT#2

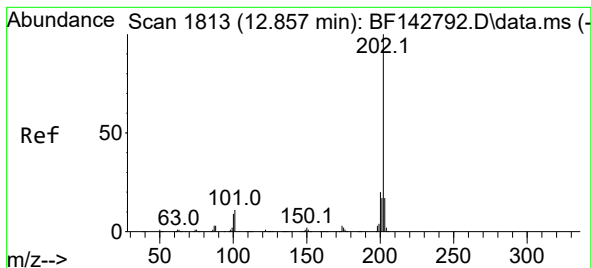
Tgt Ion:202 Resp: 34979
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 18.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Tgt Ion:240 Resp: 118431
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.2
236 25.0 19.8 29.8





#78

Pyrene

Concen: 3.631 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

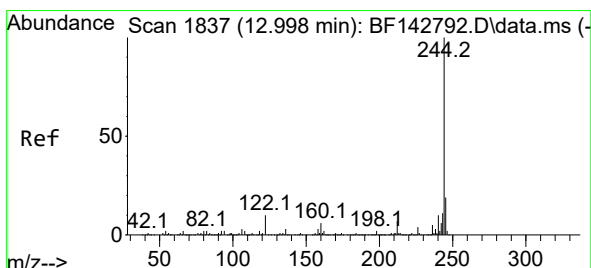
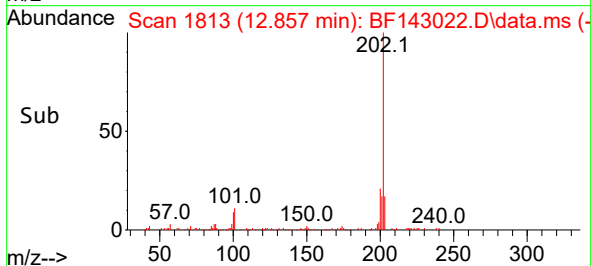
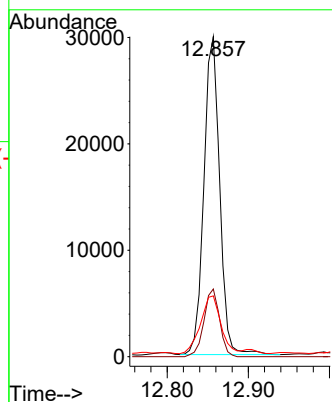
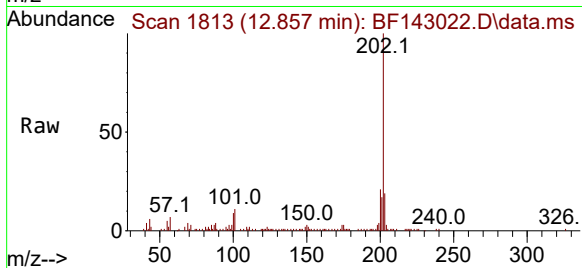
Tgt Ion:202 Resp: 40303

Ion Ratio Lower Upper

202 100

200 21.2 15.7 23.5

203 19.0 13.8 20.6



#79

Terphenyl-d14

Concen: 7.936 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

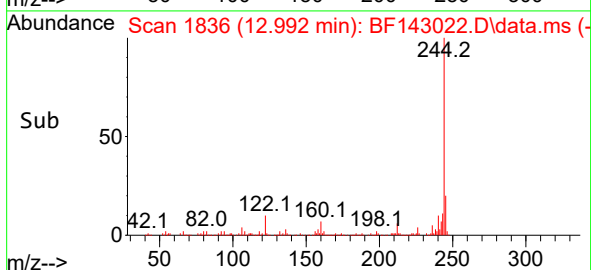
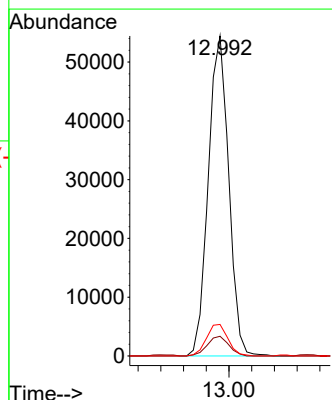
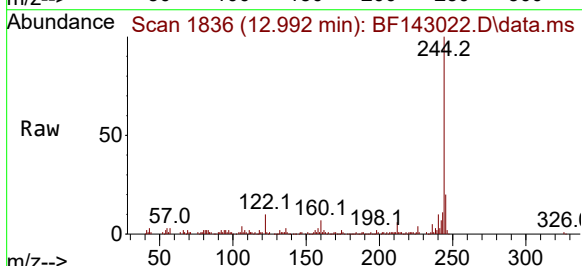
Tgt Ion:244 Resp: 68024

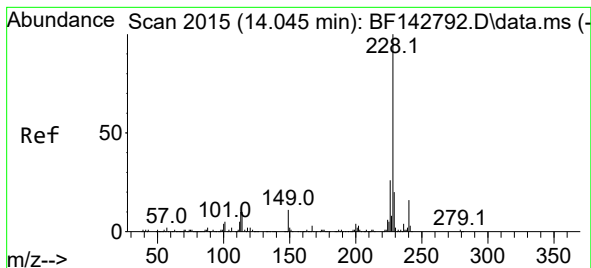
Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.9 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.077 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

Instrument :

BNA_F

ClientSampleId :

PIT#2

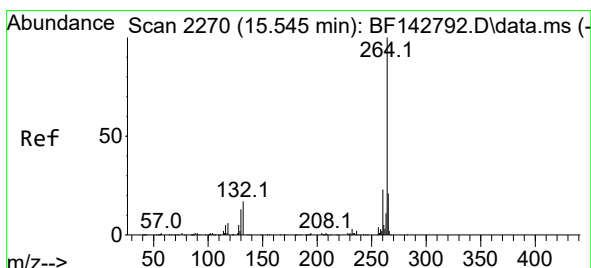
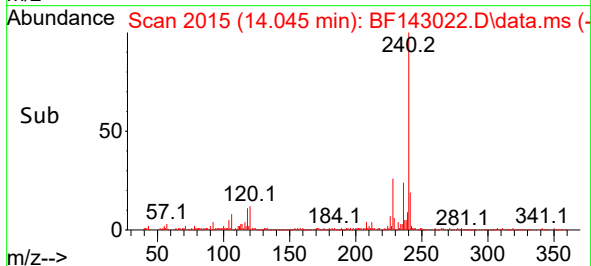
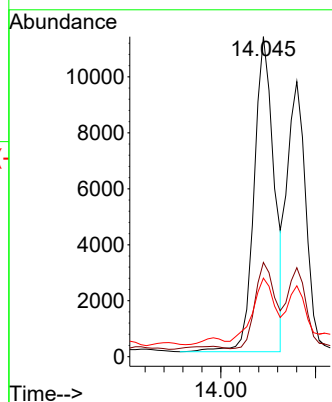
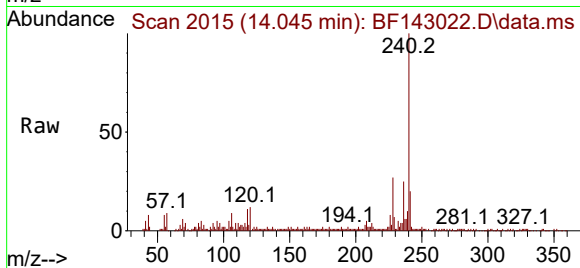
Tgt Ion:228 Resp: 16596

Ion Ratio Lower Upper

228 100

226 29.5 21.2 31.8

229 24.5 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF143022.D

Acq: 07 Jul 2025 21:52

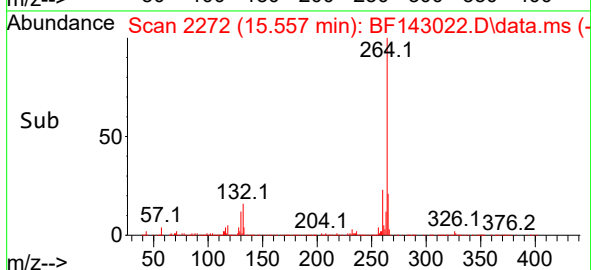
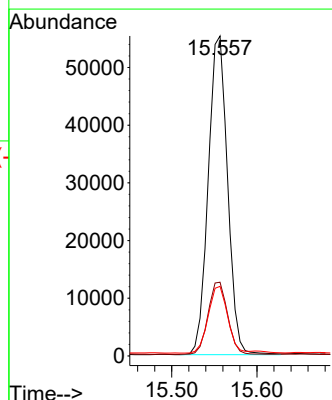
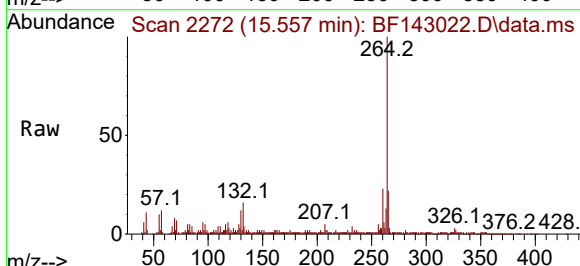
Tgt Ion:264 Resp: 87043

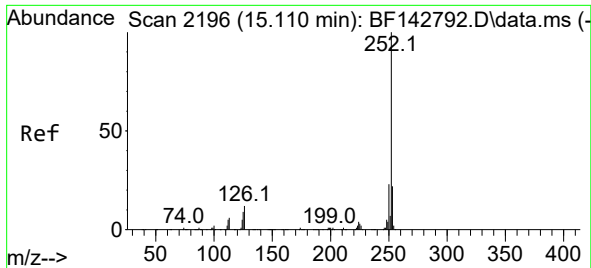
Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

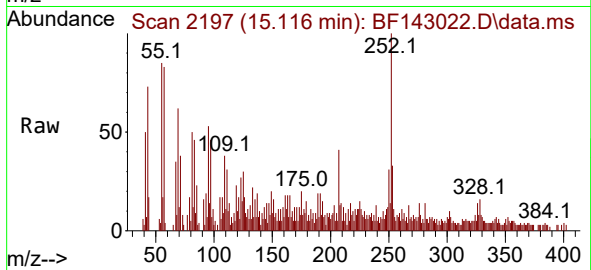
265 21.7 16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 2.102 ng m
RT: 15.116 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143022.D
Acq: 07 Jul 2025 21:52

Instrument :
BNA_F
ClientSampleId :
PIT#2



Tgt Ion:252 Resp: 10588
Ion Ratio Lower Upper
252 100
253 33.1 17.5 26.3#
125 29.9 7.4 11.0#

