

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143021.D
 Acq On : 07 Jul 2025 21:22
 Operator : RC/JU
 Sample : Q2484-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-64

Quant Time: Jul 08 00:59:47 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)

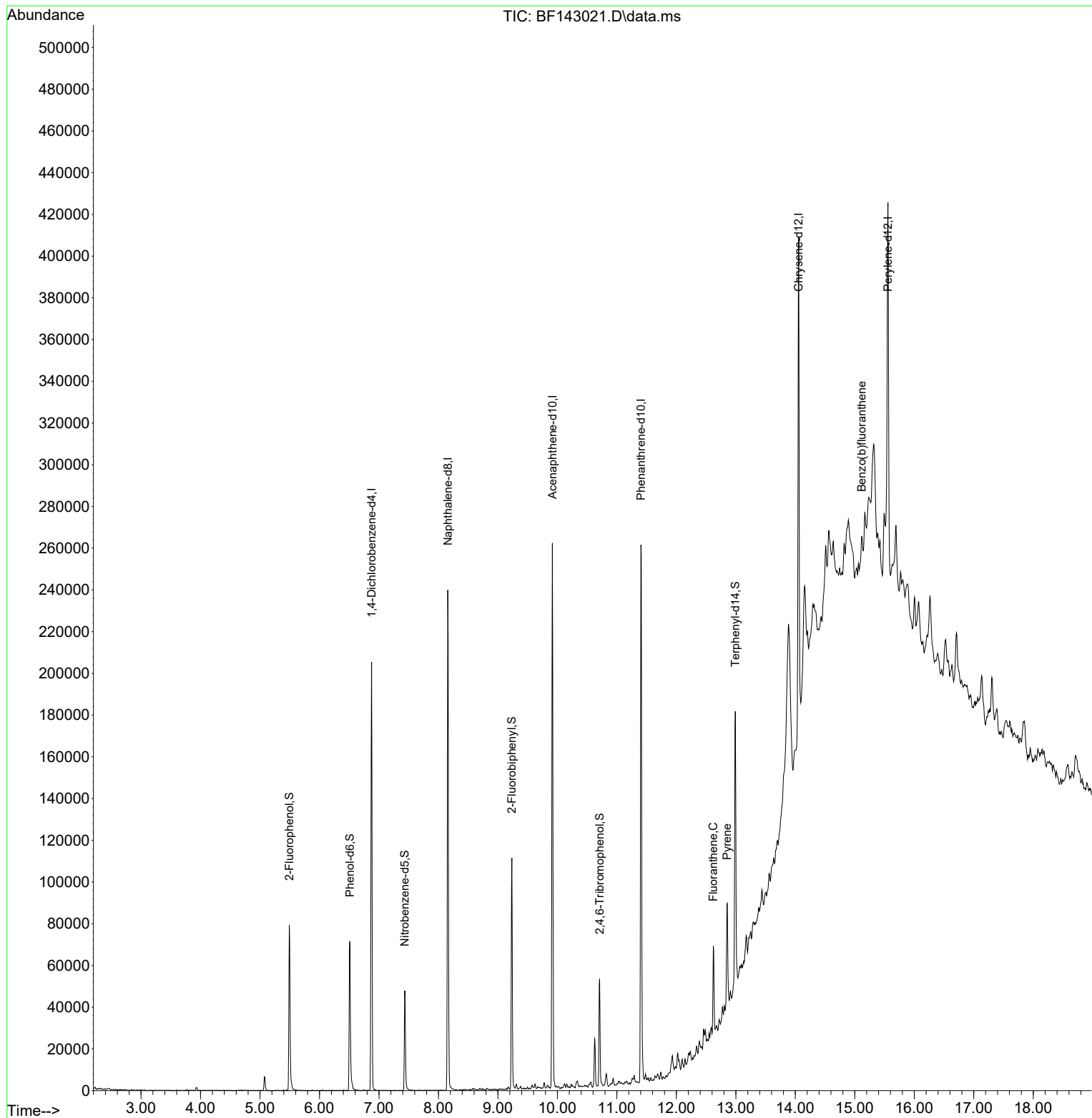
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	45344	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	158652	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77572	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	140588	20.000	ng	0.00
76) Chrysene-d12	14.057	240	110239	20.000	ng	0.00
86) Perylene-d12	15.557	264	80889	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	35598	13.071	ng	0.00
7) Phenol-d6	6.510	99	39694	12.353	ng	0.00
23) Nitrobenzene-d5	7.434	82	22766	7.871	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	10161	12.729	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	51804	8.773	ng	-0.01
79) Terphenyl-d14	12.992	244	63543	7.964	ng	0.00
Target Compounds						
75) Fluoranthene	12.622	202	25110	3.474	ng	98
78) Pyrene	12.851	202	28418	2.750	ng	98
88) Benzo(b)fluoranthene	15.116	252	10802m	2.308	ng	

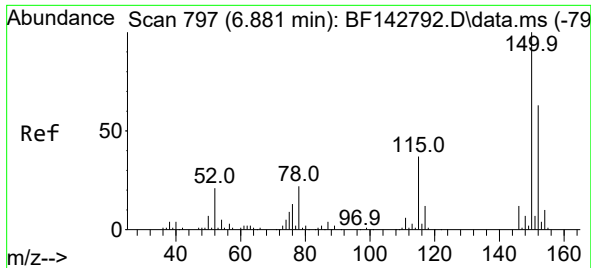
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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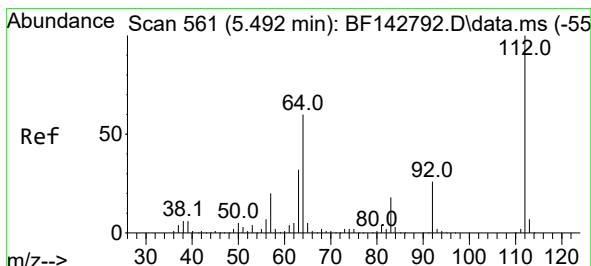
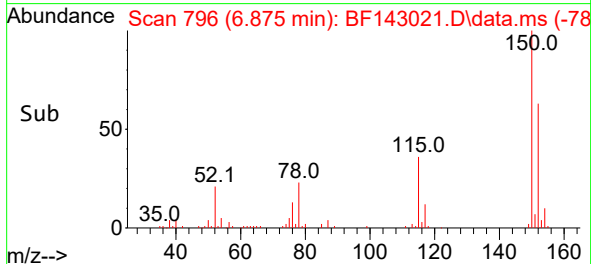
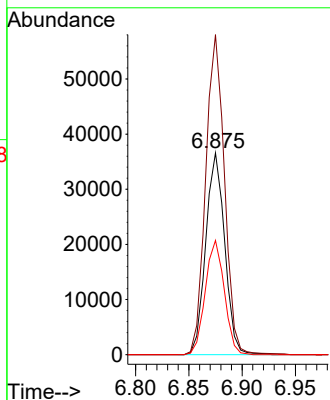
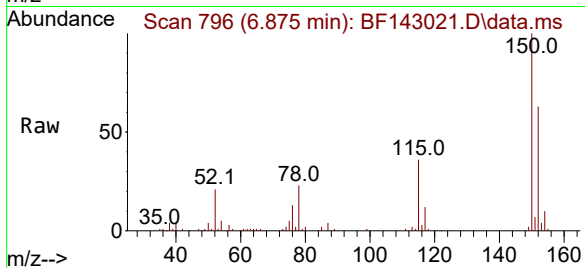




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

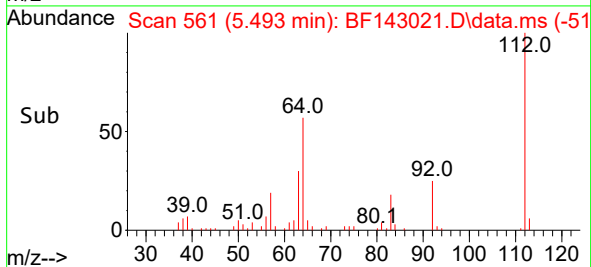
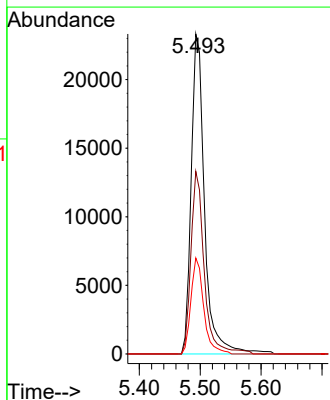
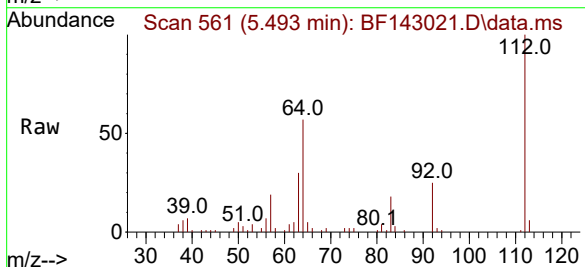
Instrument :
BNA_F
ClientSampleId :
TP-64

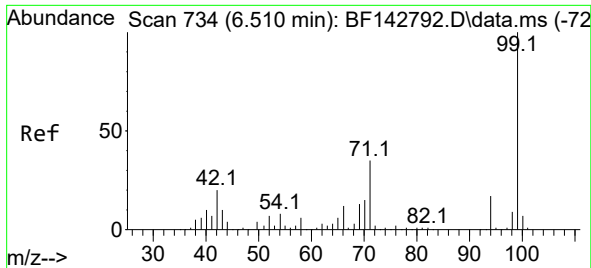
Tgt Ion:152 Resp: 45344
Ion Ratio Lower Upper
152 100
150 158.6 127.2 190.8
115 56.6 46.6 69.8



#5
2-Fluorophenol
Concen: 13.071 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion:112 Resp: 35598
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.0 25.7 38.5

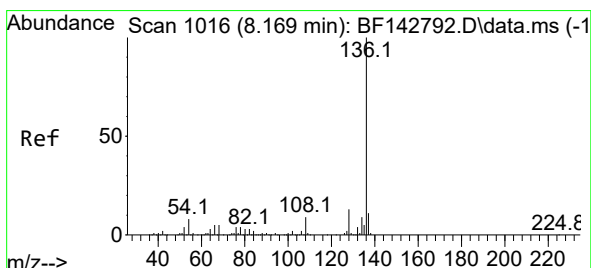
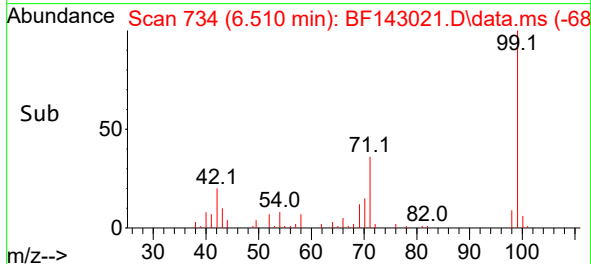
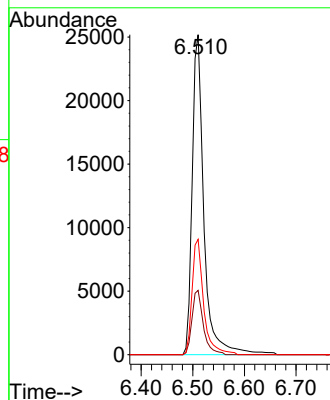
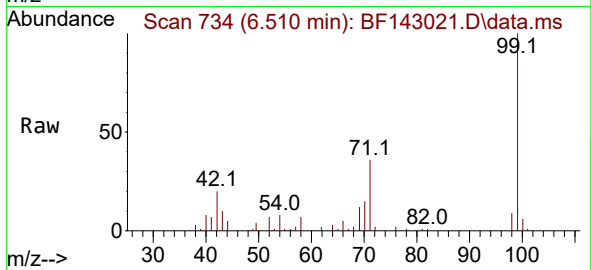




#7
Phenol-d6
Concen: 12.353 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

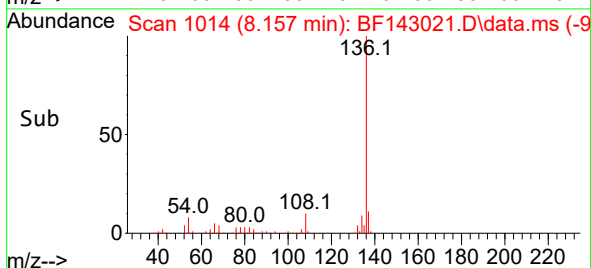
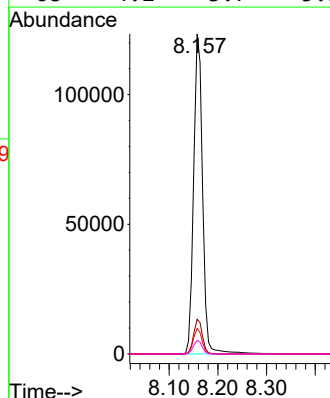
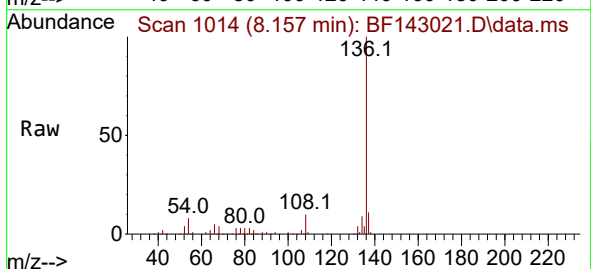
Instrument :
BNA_F
ClientSampleId :
TP-64

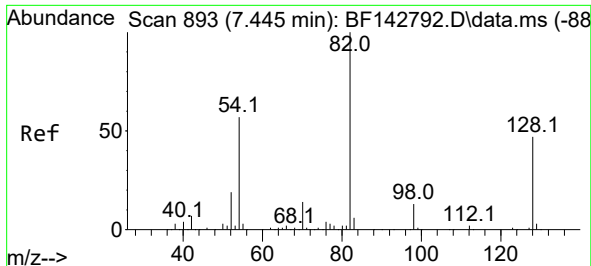
Tgt Ion: 99 Resp: 39694
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 36.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion: 136 Resp: 158652
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.871 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

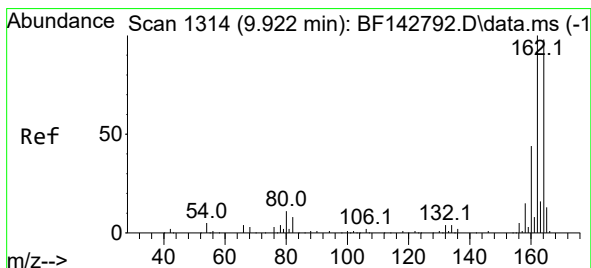
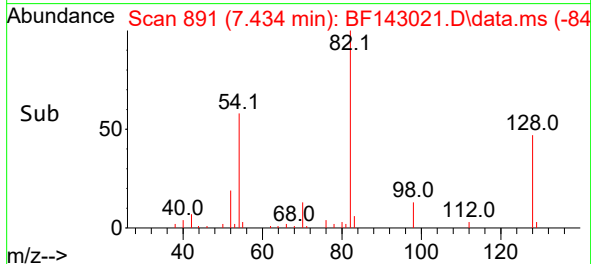
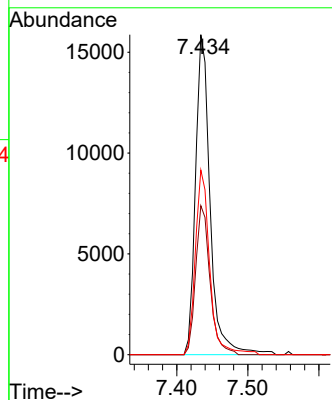
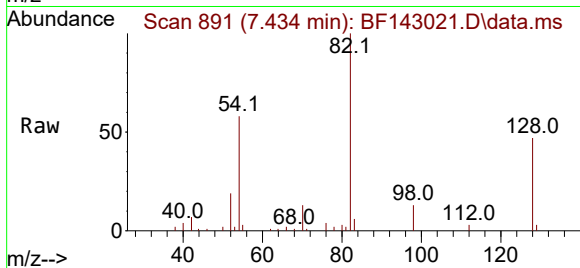
Tgt Ion: 82 Resp: 22766

Ion Ratio Lower Upper

82 100

128 46.6 37.7 56.5

54 57.7 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: BF143021.D

Acq: 07 Jul 2025 21:22

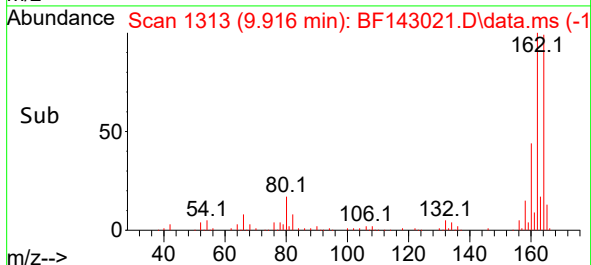
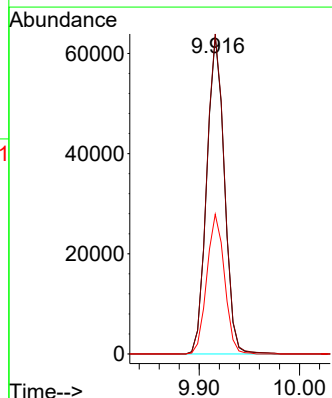
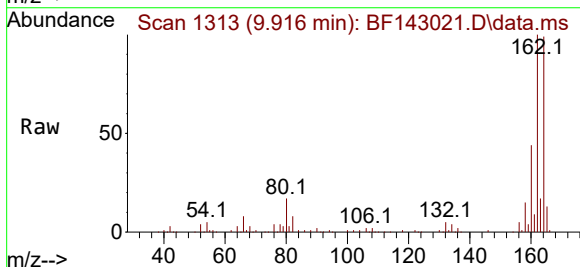
Tgt Ion:164 Resp: 77572

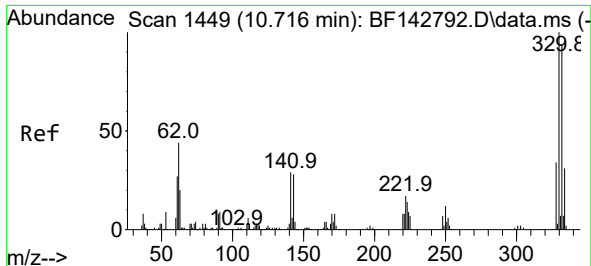
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 12.729 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

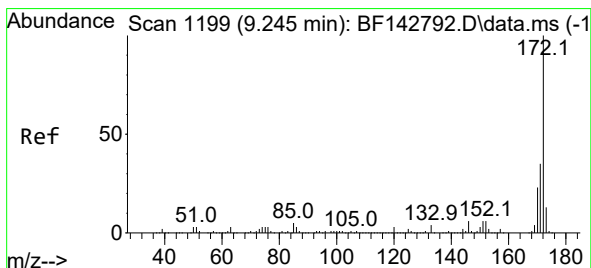
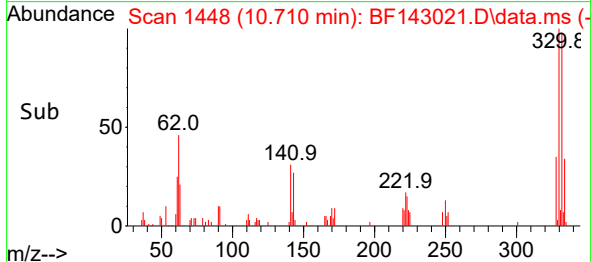
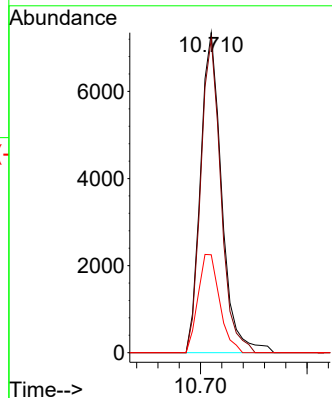
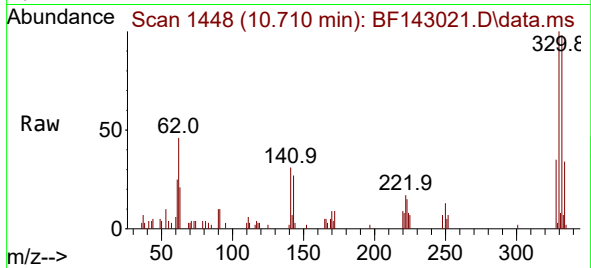
Tgt Ion:330 Resp: 10161

Ion Ratio Lower Upper

330 100

332 93.2 75.0 112.6

141 31.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 8.773 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

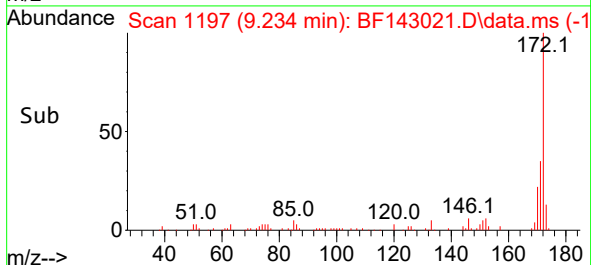
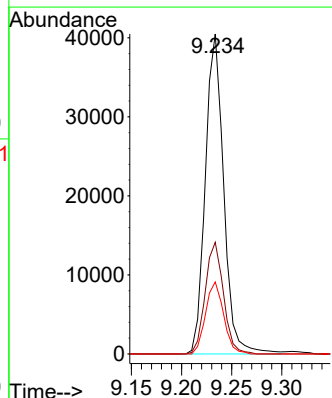
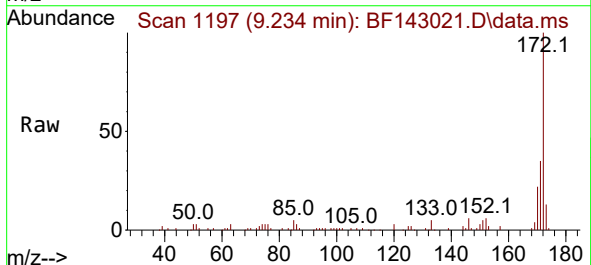
Tgt Ion:172 Resp: 51804

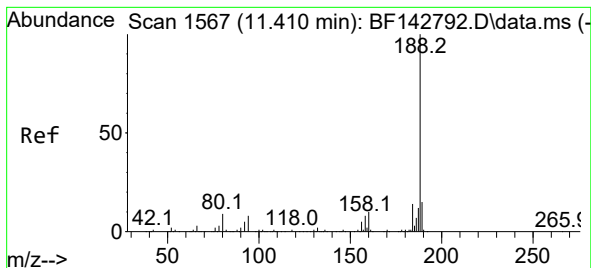
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.5 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

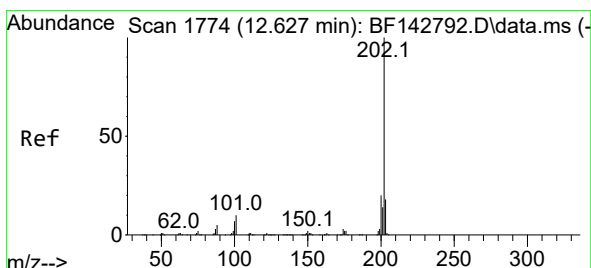
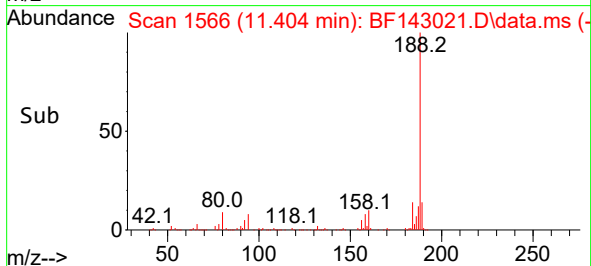
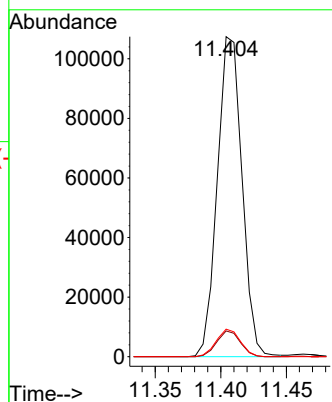
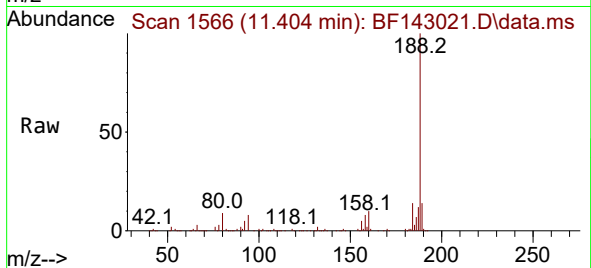
Tgt Ion:188 Resp: 140588

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.6 6.9 10.3



#75

Fluoranthene

Concen: 3.474 ng

RT: 12.622 min Scan# 1773

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

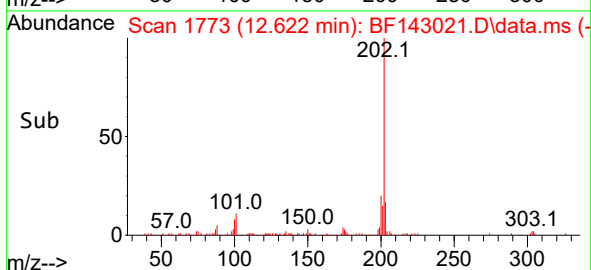
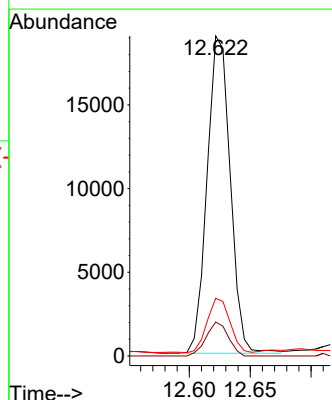
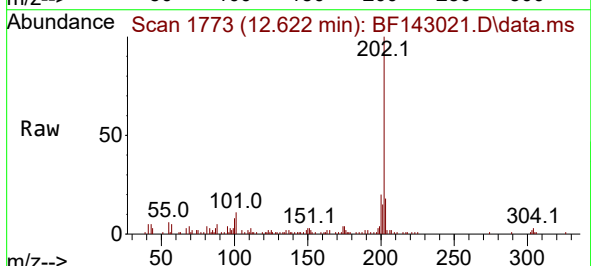
Tgt Ion:202 Resp: 25110

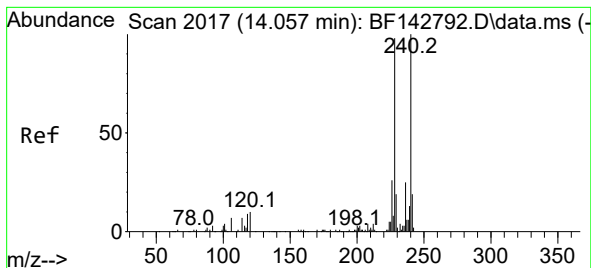
Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.7

203 18.0 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: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

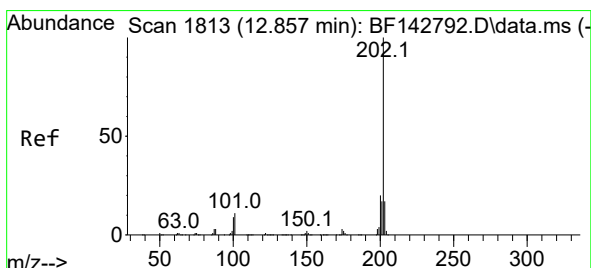
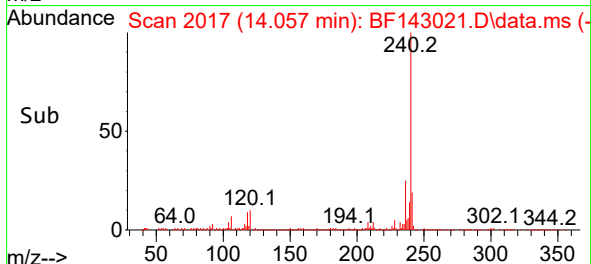
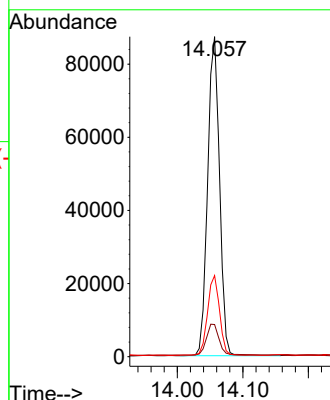
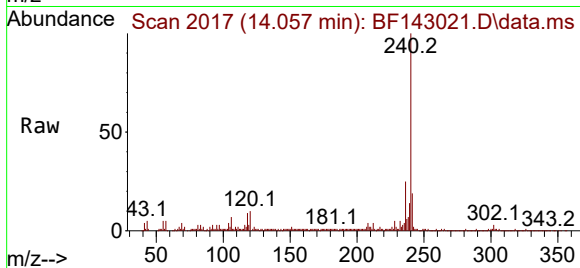
Tgt Ion:240 Resp: 110239

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 2.750 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

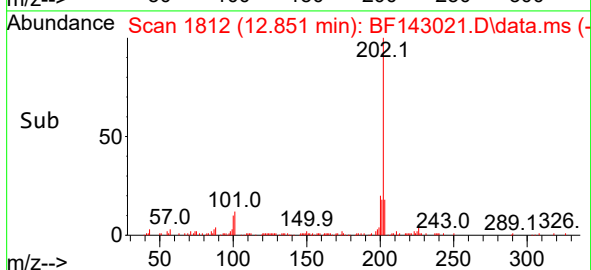
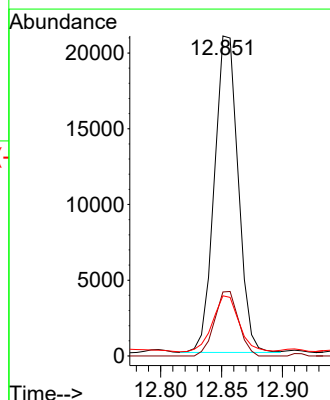
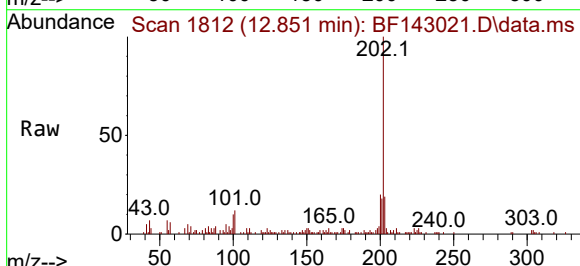
Tgt Ion:202 Resp: 28418

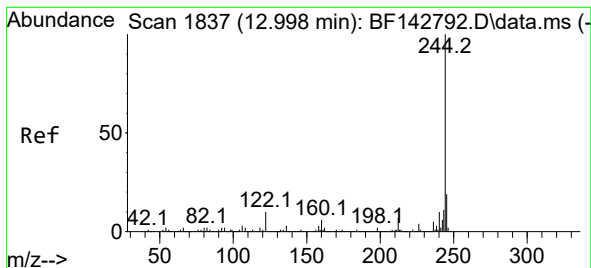
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.8 13.8 20.6





#79

Terphenyl-d14

Concen: 7.964 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

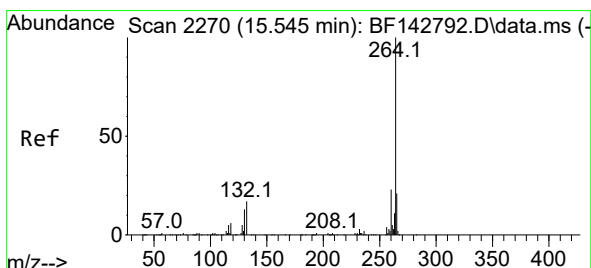
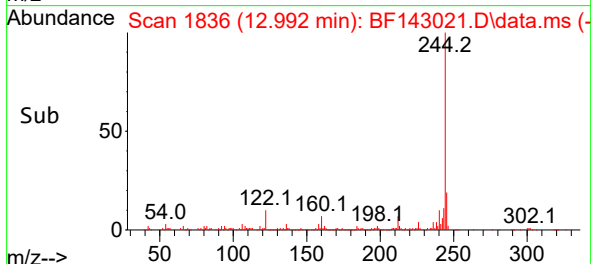
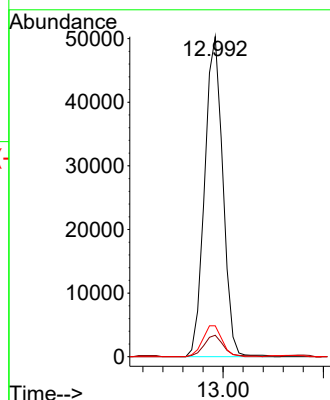
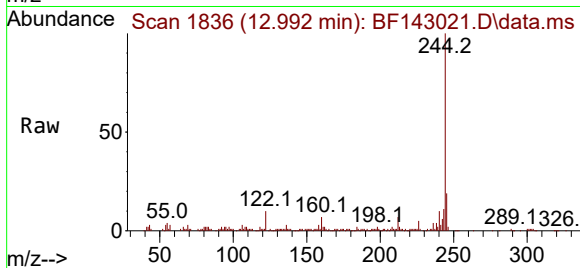
Tgt Ion:244 Resp: 63543

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 9.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

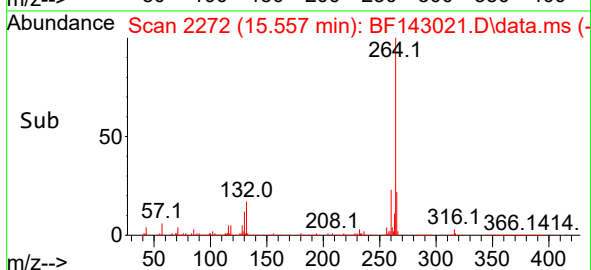
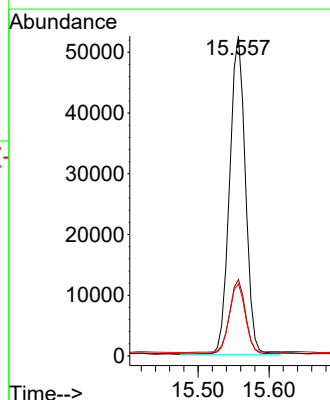
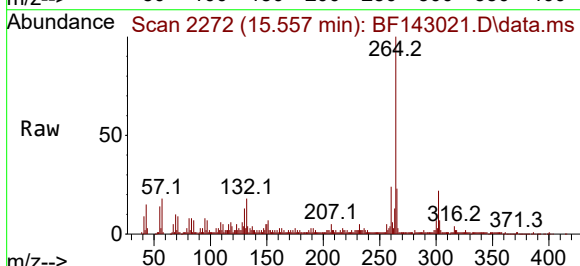
Tgt Ion:264 Resp: 80889

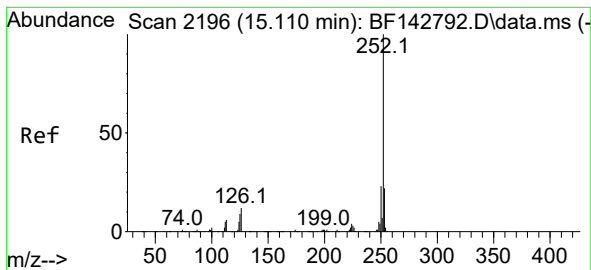
Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 22.5 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.308 ng m

RT: 15.116 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143021.D

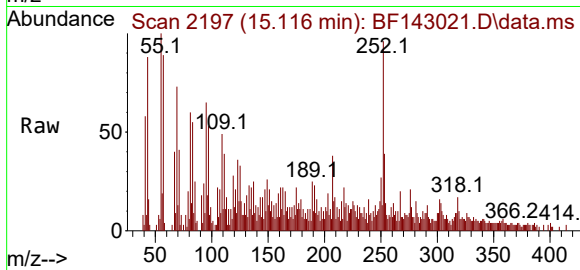
Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64



Tgt Ion:252 Resp: 10802

Ion Ratio Lower Upper

252 100

253 40.8 17.5 26.3#

125 34.8 7.4 11.0#

