

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142500.D
 Acq On : 21 May 2025 21:30
 Operator : RC/JU
 Sample : Q2052-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Quant Time: May 22 01:03:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

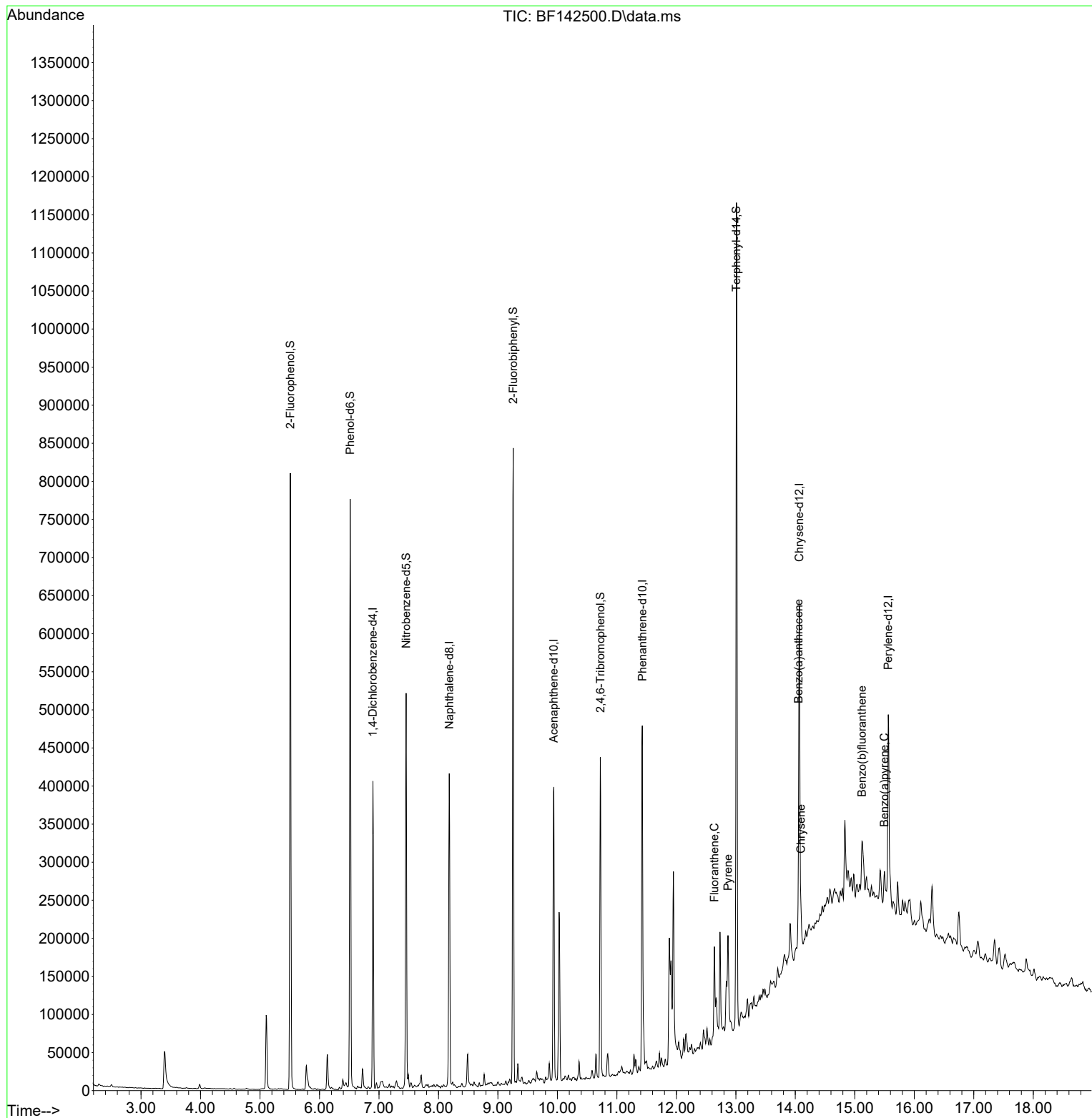
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	84875	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	255008	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	118136	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	237828	20.000	ng	0.00
76) Chrysene-d12	14.068	240	203297	20.000	ng	0.00
86) Perylene-d12	15.562	264	149373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	300471	59.643	ng	0.00
7) Phenol-d6	6.516	99	343795	56.691	ng	-0.02
23) Nitrobenzene-d5	7.457	82	206773	44.215	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	70328	53.638	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	370522	42.086	ng	-0.01
79) Terphenyl-d14	13.010	244	521821	35.076	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.639	202	70825	5.964	ng	99
78) Pyrene	12.868	202	68430	3.608	ng	98
81) Benzo(a)anthracene	14.057	228	37305	2.748	ng	# 91
83) Chrysene	14.092	228	32640	2.676	ng	# 91
88) Benzo(b)fluoranthene	15.121	252	41334m	4.675	ng	
90) Benzo(a)pyrene	15.498	252	24128	2.895	ng	# 86

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

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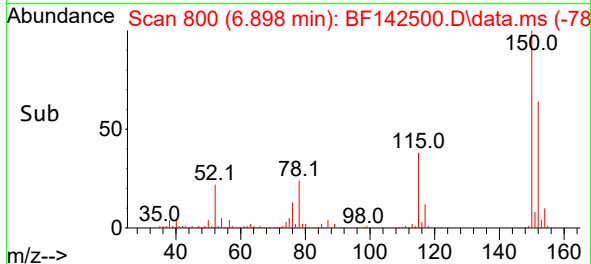
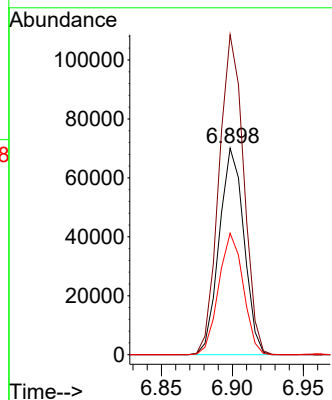
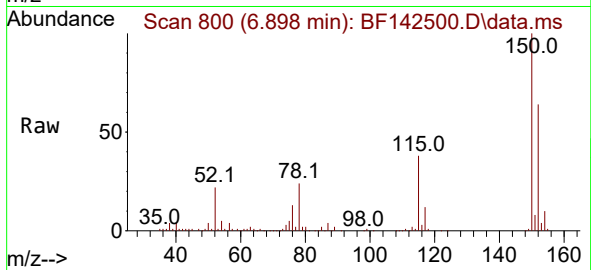




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

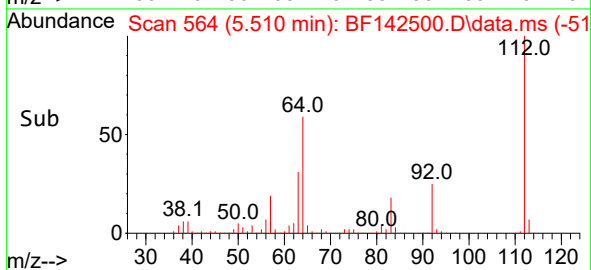
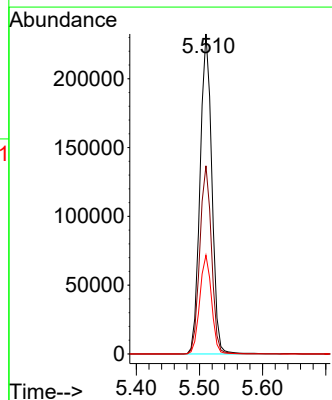
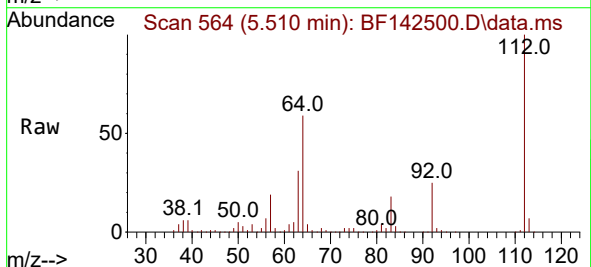
Instrument :
 BNA_F
 ClientSampleId :
 TP-B

Tgt Ion:152 Resp: 84875
 Ion Ratio Lower Upper
 152 100
 150 155.0 128.2 192.4
 115 58.9 48.3 72.5



#5
 2-Fluorophenol
 Concen: 59.643 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142500.D
 Acq: 21 May 2025 21:30

Tgt Ion:112 Resp: 300471
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.5 71.3
 63 30.8 24.9 37.3





#7

Phenol-d6

Concen: 56.691 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B

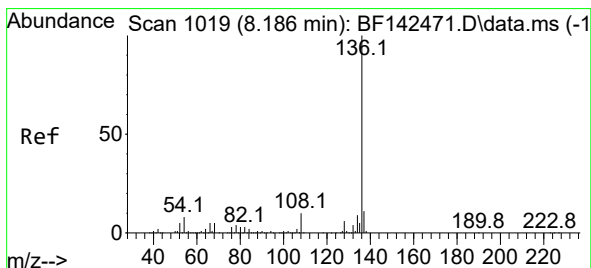
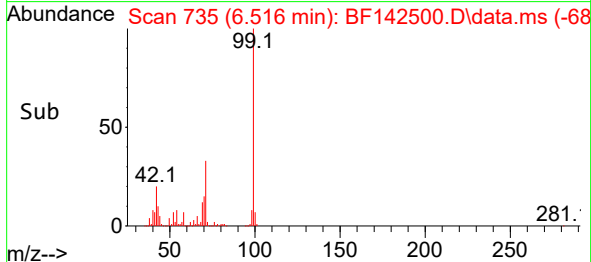
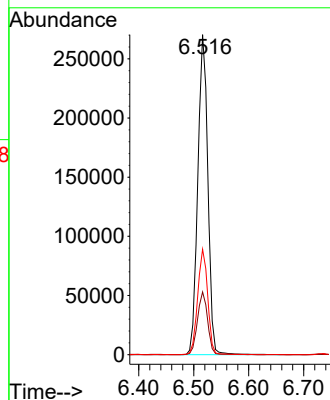
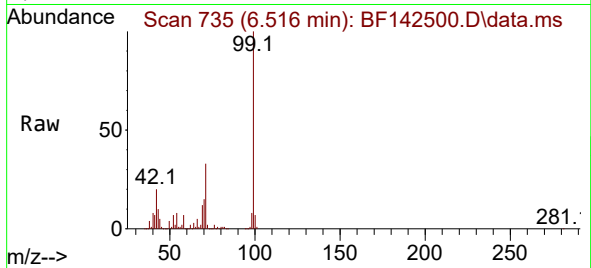
Tgt Ion: 99 Resp: 343795

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

71 33.0 27.3 40.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Tgt Ion: 136 Resp: 255008

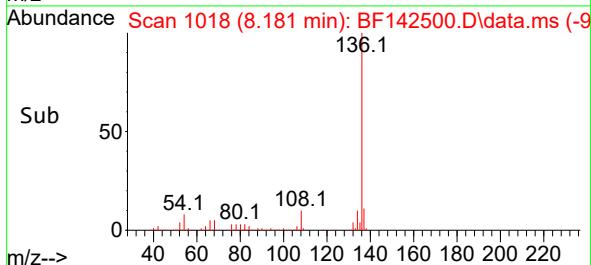
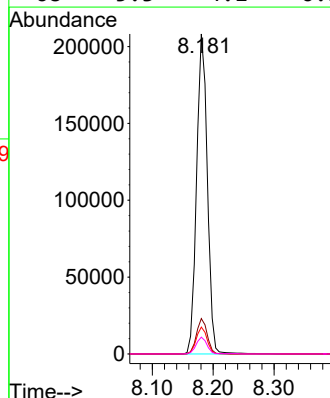
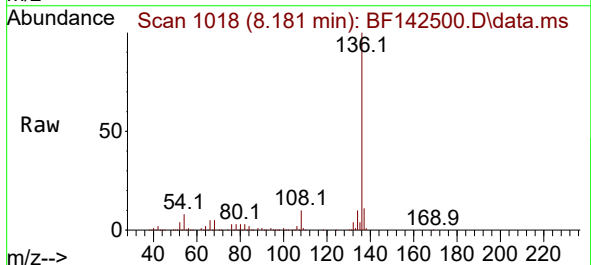
Ion Ratio Lower Upper

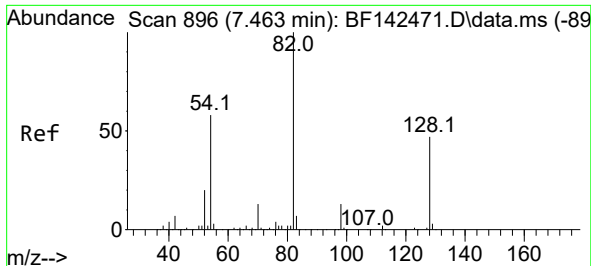
136 100

137 11.1 8.6 13.0

54 8.4 6.6 10.0

68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 44.215 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B

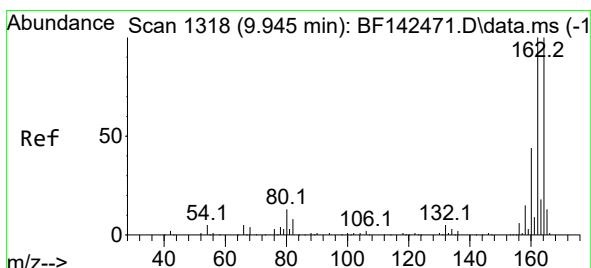
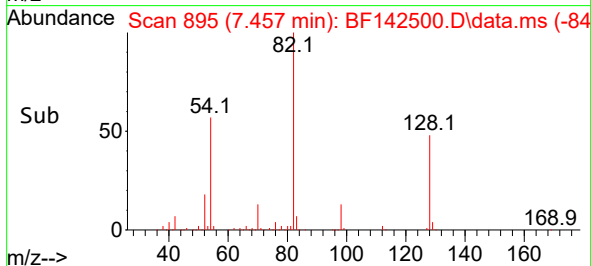
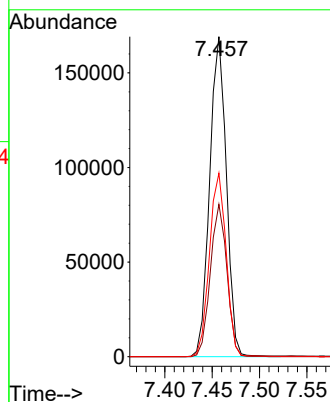
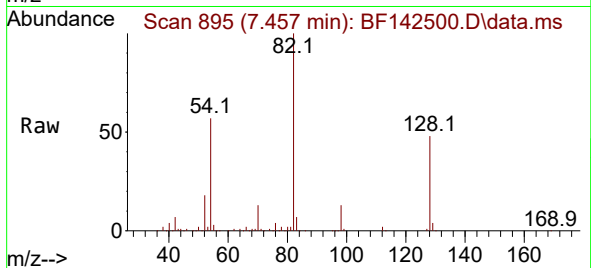
Tgt Ion: 82 Resp: 206773

Ion Ratio Lower Upper

82 100

128 47.6 37.4 56.2

54 57.3 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

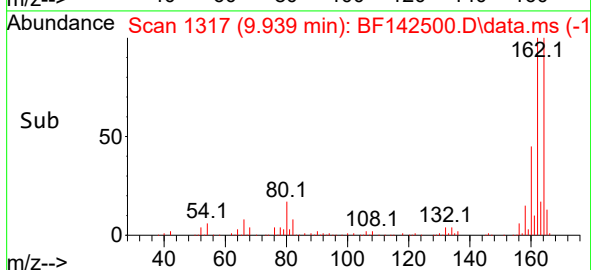
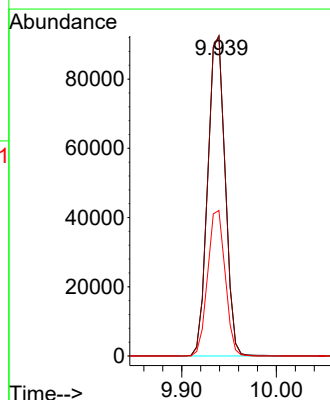
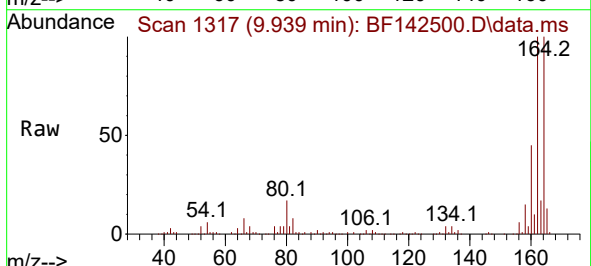
Tgt Ion: 164 Resp: 118136

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.4

160 45.5 35.6 53.4

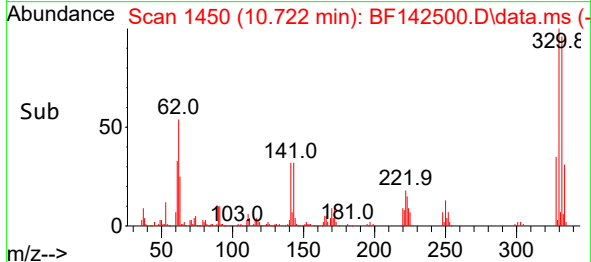
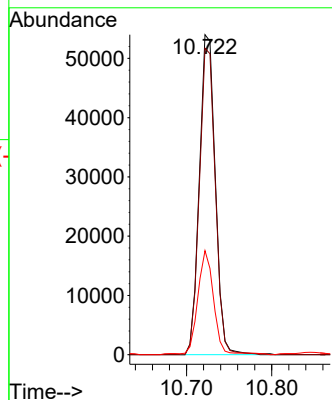
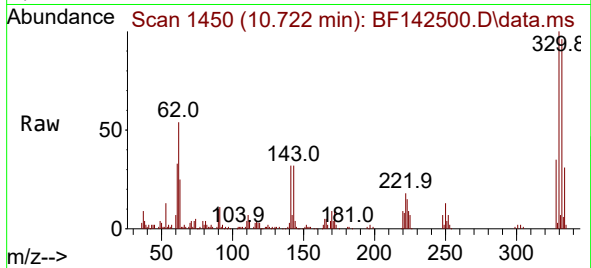




#42
2,4,6-Tribromophenol
Concen: 53.638 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

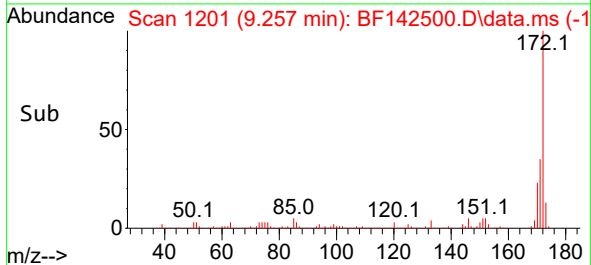
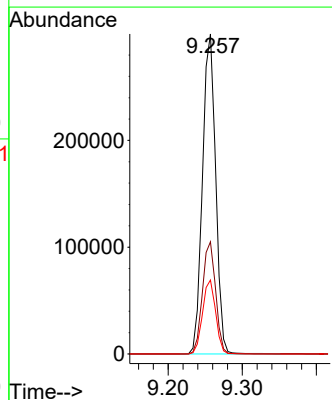
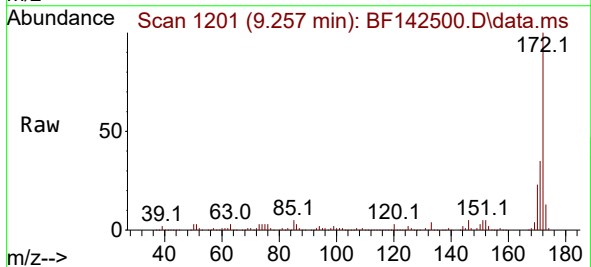
Instrument :
BNA_F
ClientSampleId :
TP-B

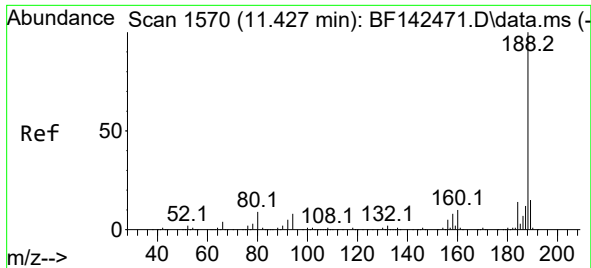
Tgt Ion: 330 Resp: 70328
Ion Ratio Lower Upper
330 100
332 95.7 77.6 116.4
141 32.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 42.086 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion: 172 Resp: 370522
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.1 18.9 28.3

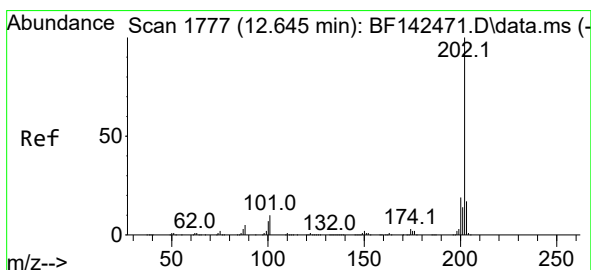
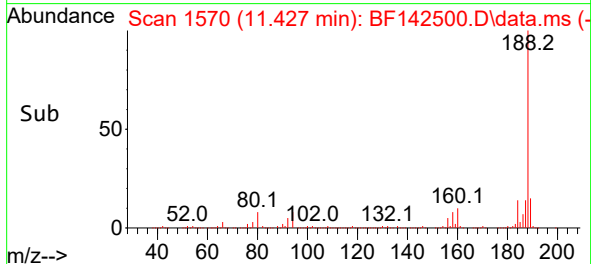
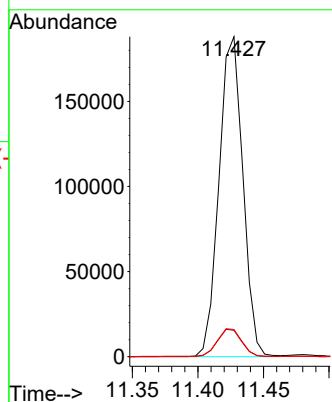
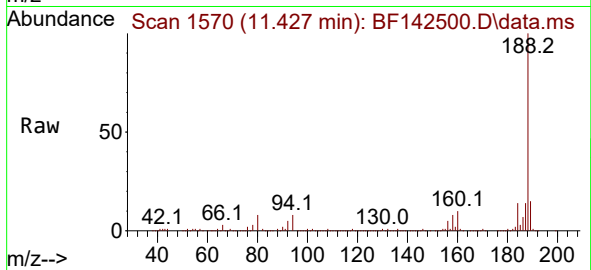




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

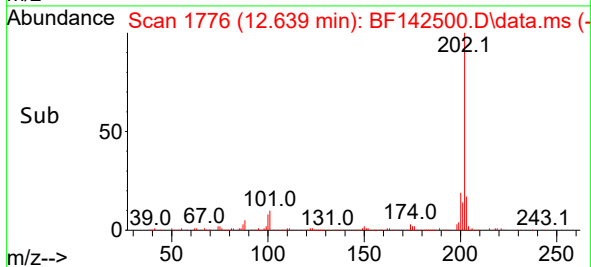
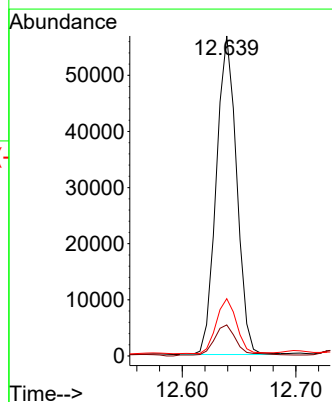
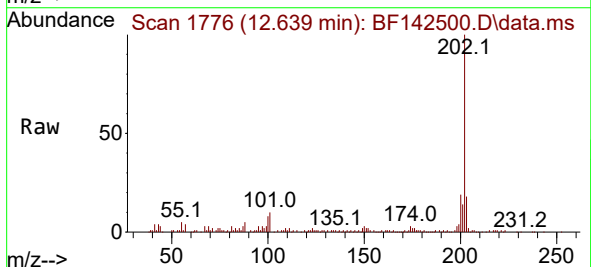
Instrument :
BNA_F
ClientSampleId :
TP-B

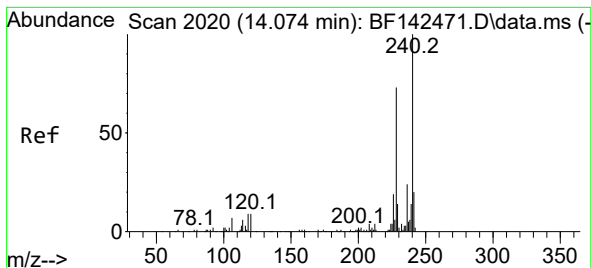
Tgt Ion:188 Resp: 237828
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 8.5 7.4 11.0



#75
Fluoranthene
Concen: 5.964 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:202 Resp: 70825
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B

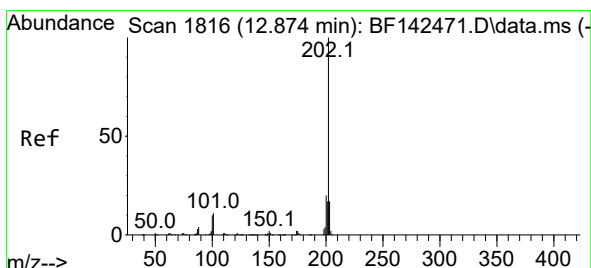
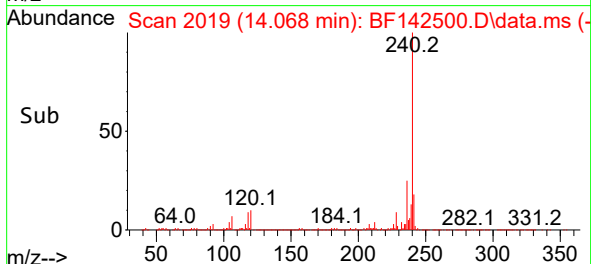
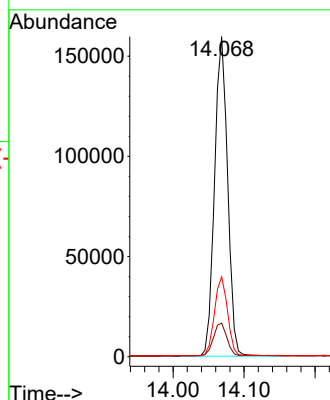
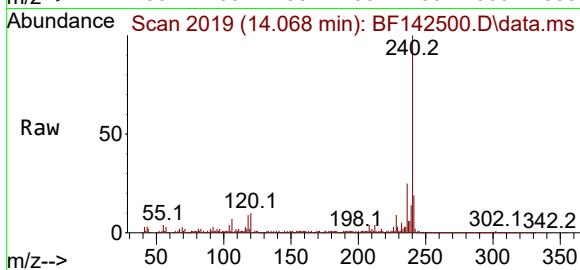
Tgt Ion:240 Resp: 203297

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

236 25.0 19.6 29.4



#78

Pyrene

Concen: 3.608 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

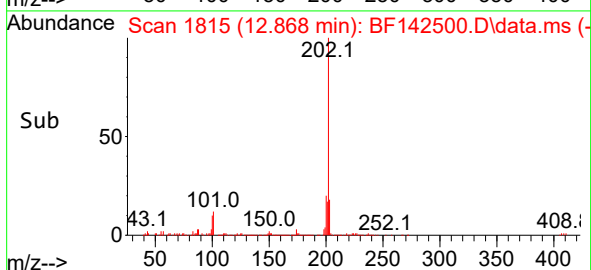
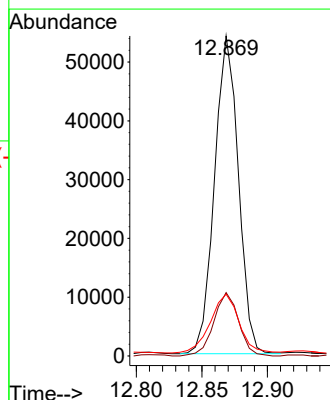
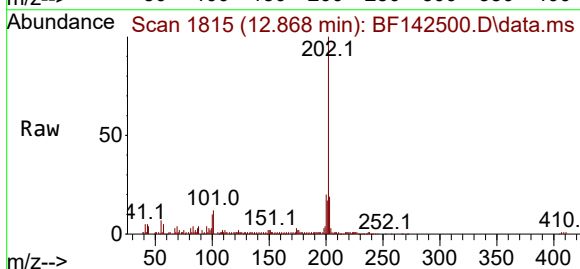
Tgt Ion:202 Resp: 68430

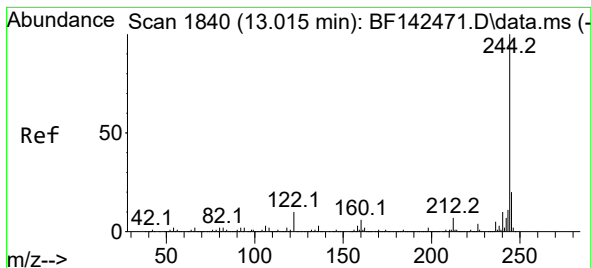
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 19.3 13.9 20.9





#79

Terphenyl-d14

Concen: 35.076 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

Instrument :

BNA_F

ClientSampleId :

TP-B

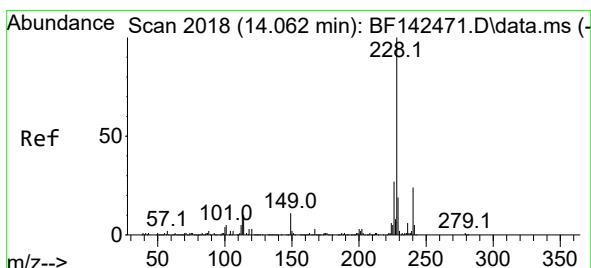
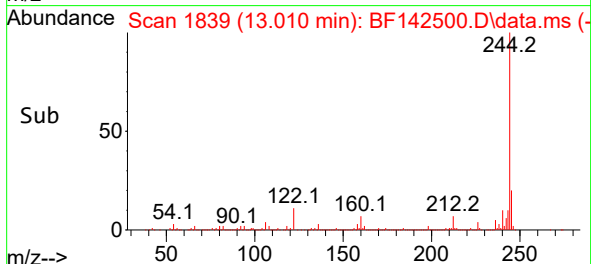
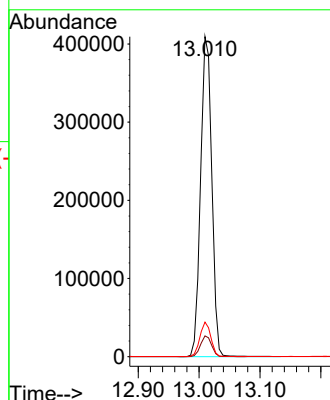
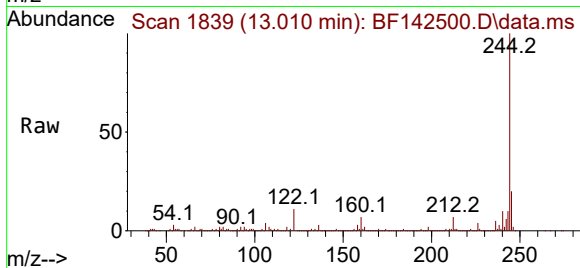
Tgt Ion:244 Resp: 521821

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.8 8.2 12.2



#81

Benzo(a)anthracene

Concen: 2.748 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142500.D

Acq: 21 May 2025 21:30

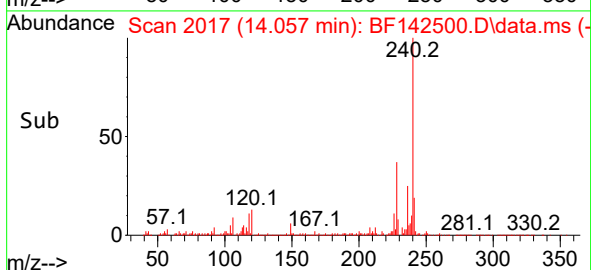
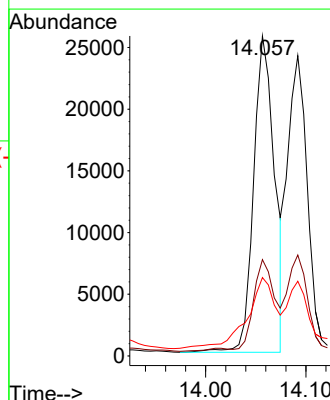
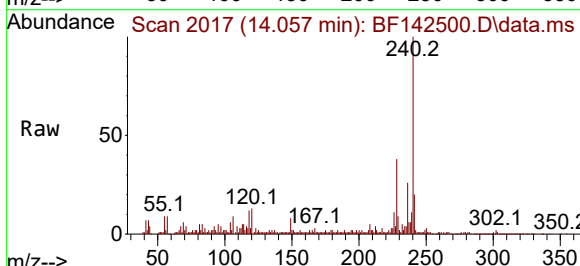
Tgt Ion:228 Resp: 37305

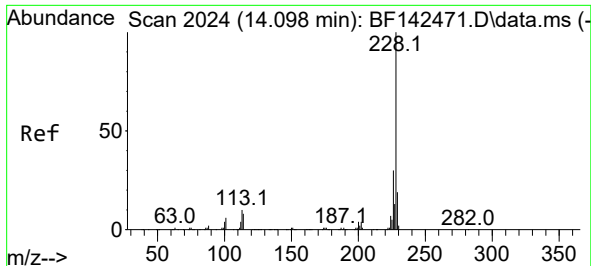
Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

229 24.5 15.5 23.3#

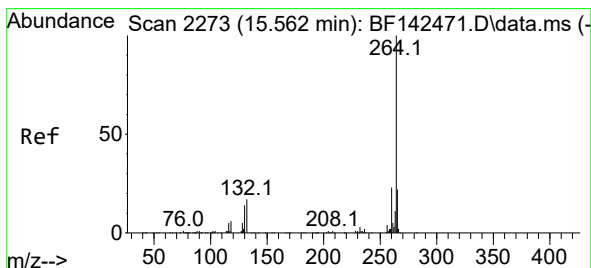
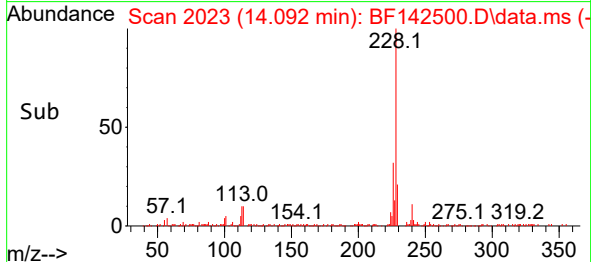
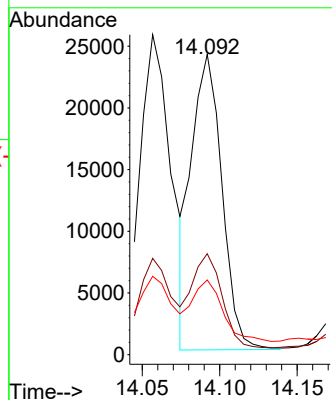
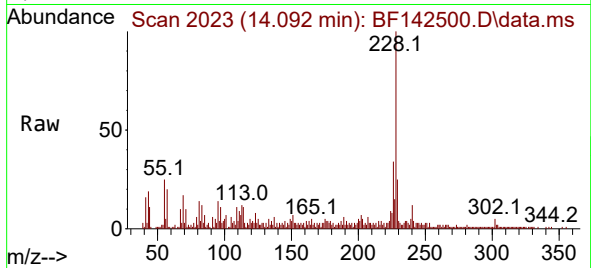




#83
Chrysene
Concen: 2.676 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

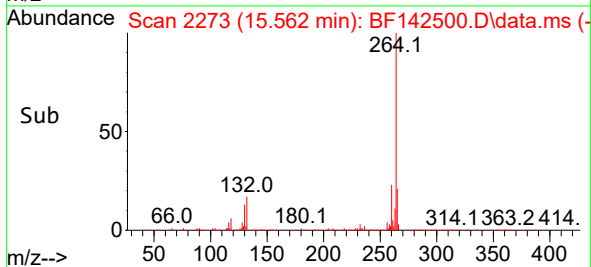
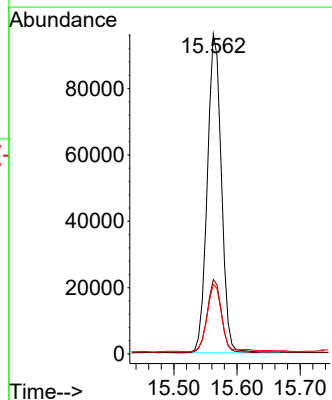
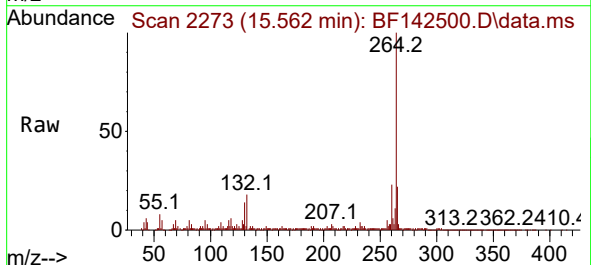
Instrument :
BNA_F
ClientSampleId :
TP-B

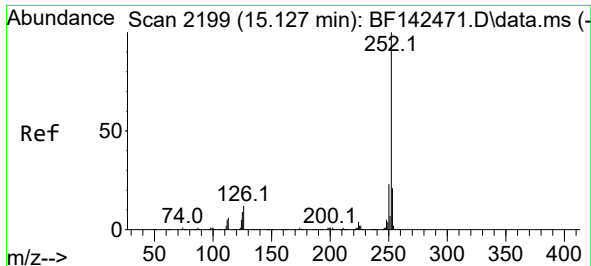
Tgt Ion:228 Resp: 32640
Ion Ratio Lower Upper
228 100
226 33.6 23.8 35.6
229 24.9 15.4 23.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:264 Resp: 149373
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.8 17.7 26.5

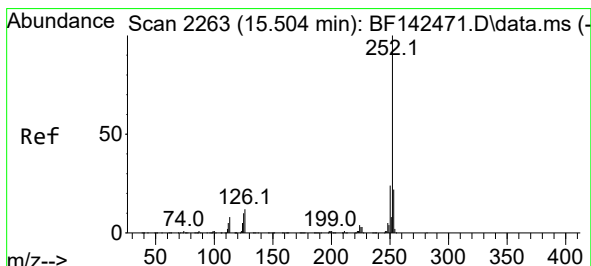
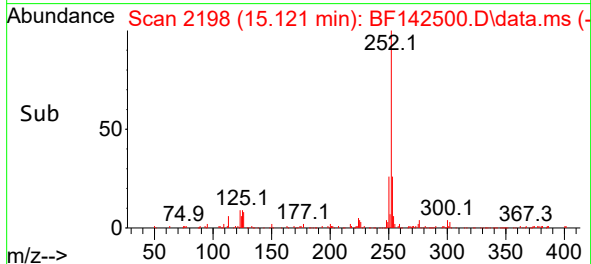
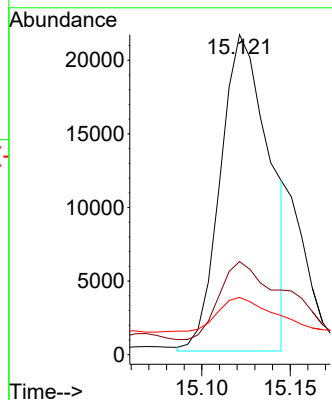
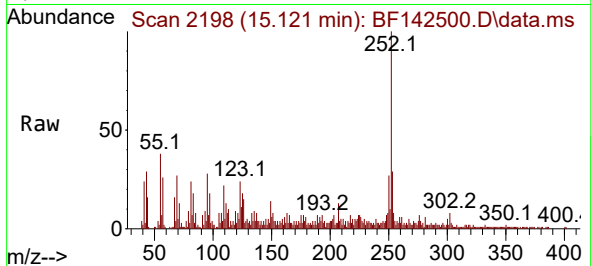




#88
Benzo(b)fluoranthene
Concen: 4.675 ng m
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Instrument :
BNA_F
ClientSampleId :
TP-B

Tgt Ion:252 Resp: 41334
Ion Ratio Lower Upper
252 100
253 29.1 17.0 25.4#
125 17.9 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.895 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142500.D
Acq: 21 May 2025 21:30

Tgt Ion:252 Resp: 24128
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 18.9 7.9 11.9#

