

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144154.D
 Acq On : 30 Oct 2025 22:07
 Operator : RC/JU
 Sample : Q3482-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Oct 31 01:02:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

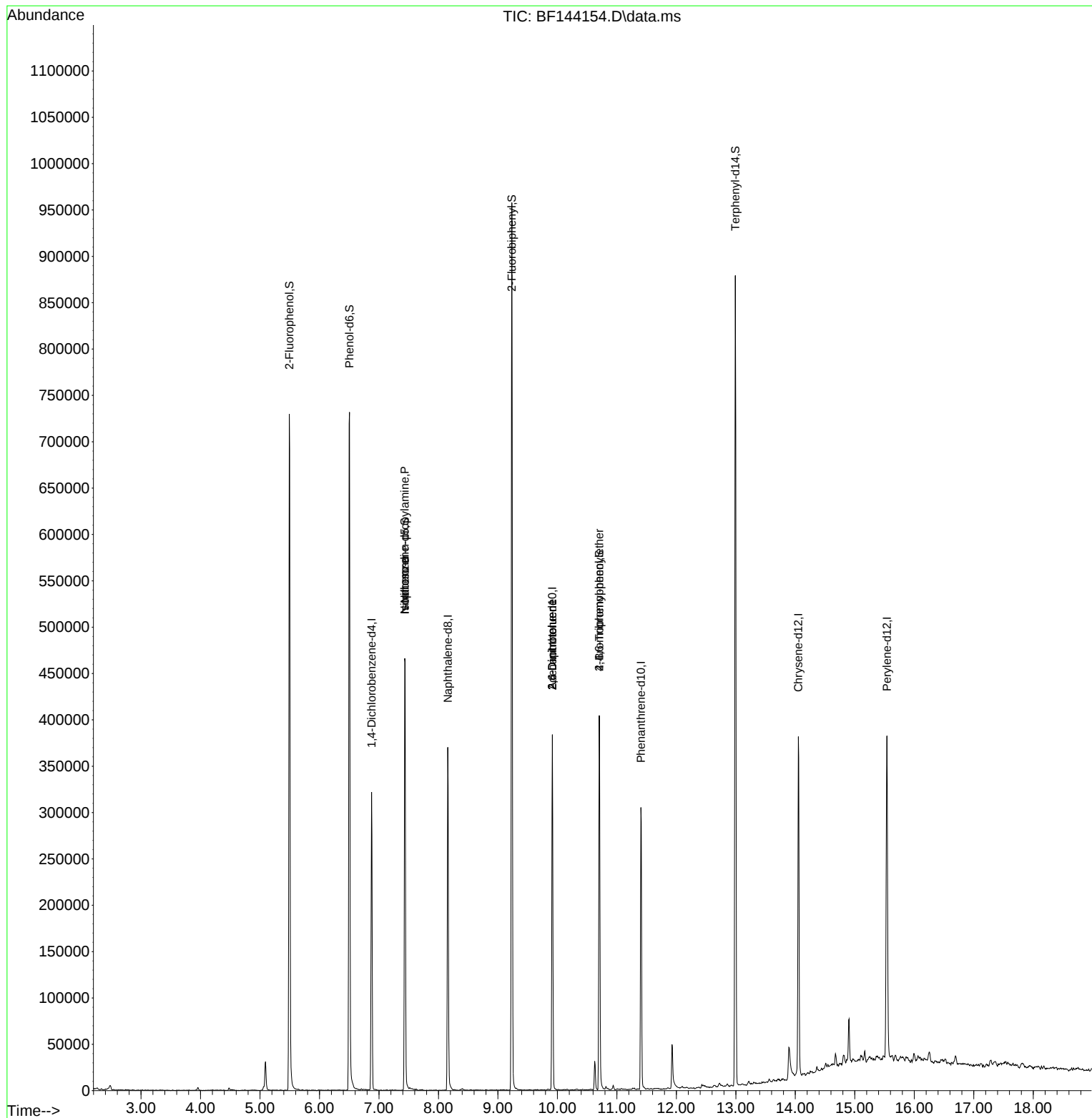
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	68146	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	237234	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	119379	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	176660	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	194741	20.000	ng	0.00
86) Perylene-d12	15.539	264	232593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	287211	66.680	ng	0.00
7) Phenol-d6	6.504	99	327032	68.748	ng	0.00
23) Nitrobenzene-d5	7.434	82	204804	47.298	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	84577	55.619	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	440030	51.870	ng	0.00
79) Terphenyl-d14	12.992	244	454699	40.819	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	30680	9.974	ng	# 68
25) Isophorone	7.434	82	204803	27.053	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	15246	9.856	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	15246	7.302	ng	# 25
67) 4-Bromophenyl-phenylether	10.704	248	4582	2.072	ng	# 1

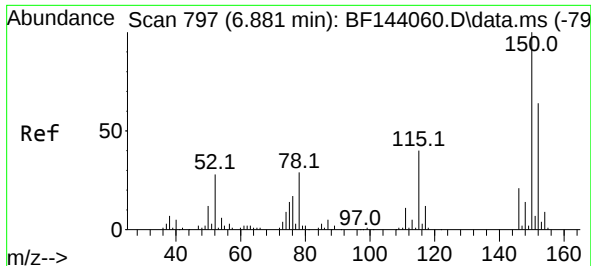
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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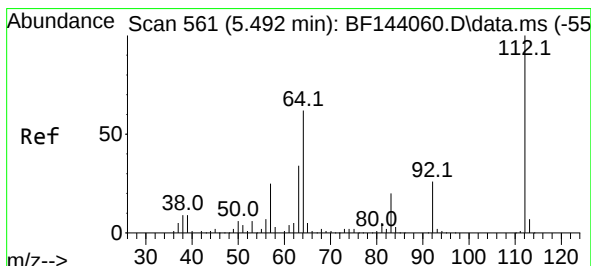
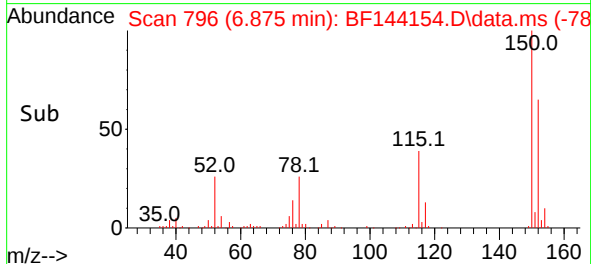
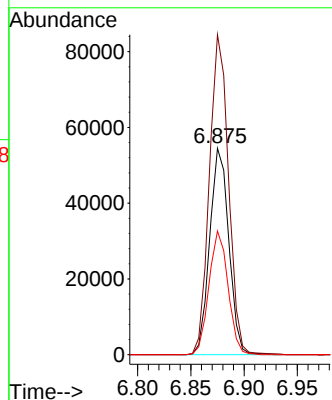
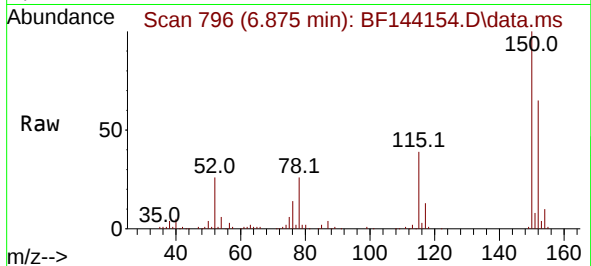




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

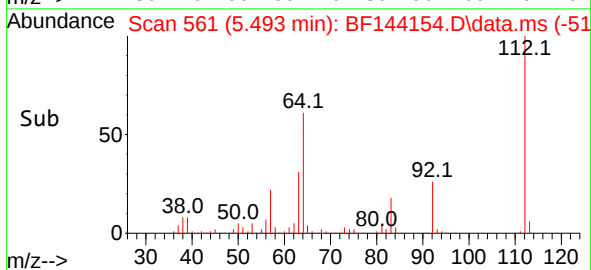
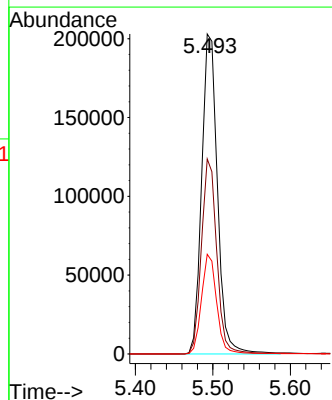
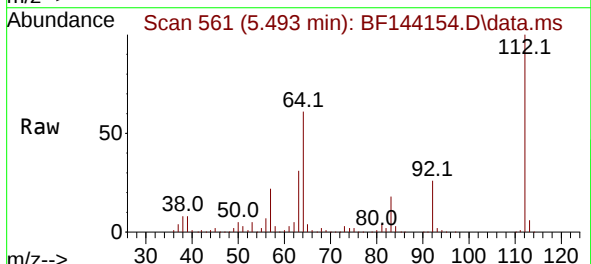
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:152 Resp: 68146
Ion Ratio Lower Upper
152 100
150 155.0 124.4 186.6
115 59.9 49.4 74.0



#5
2-Fluorophenol
Concen: 66.680 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Tgt Ion:112 Resp: 287211
Ion Ratio Lower Upper
112 100
64 60.9 49.8 74.8
63 31.1 27.4 41.2





#7

Phenol-d6

Concen: 68.748 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

Instrument :

BNA_F

ClientSampleId :

WC-4

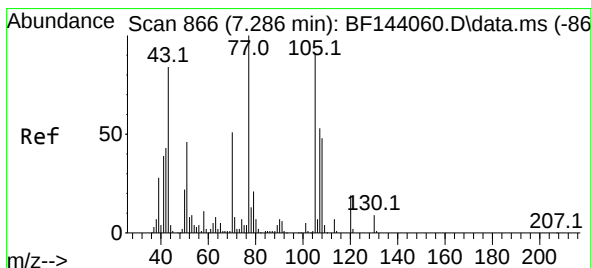
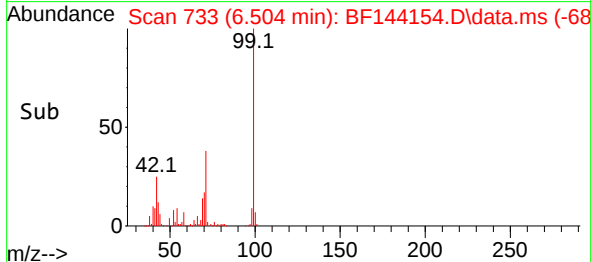
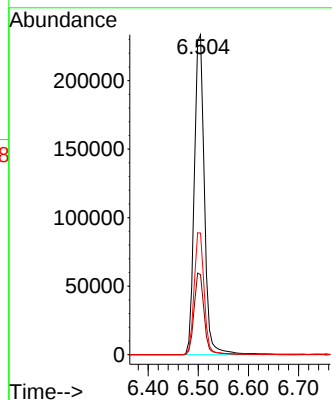
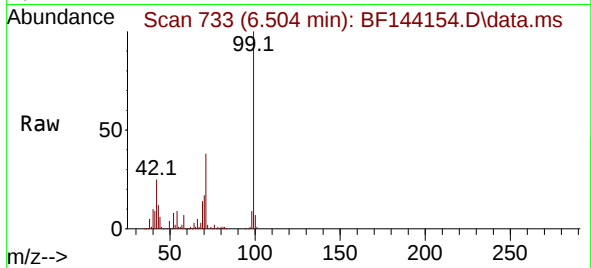
Tgt Ion: 99 Resp: 327032

Ion Ratio Lower Upper

99 100

42 25.0 23.9 35.9

71 38.0 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.974 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.147 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

Tgt Ion: 70 Resp: 30680

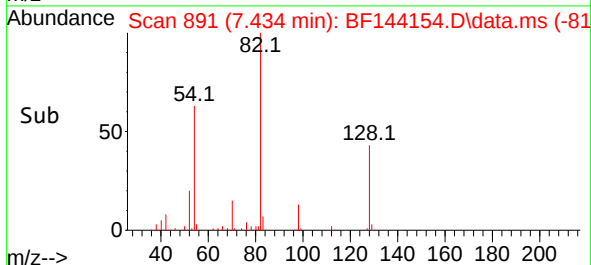
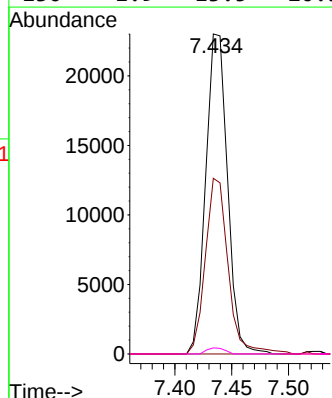
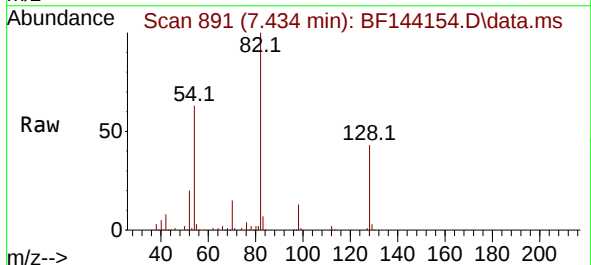
Ion Ratio Lower Upper

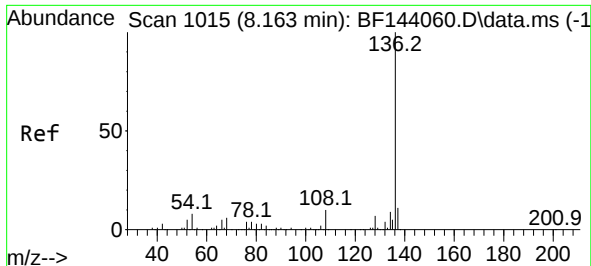
70 100

42 54.9 67.4 101.0#

101 0.0 7.1 10.7#

130 1.9 13.5 20.3#



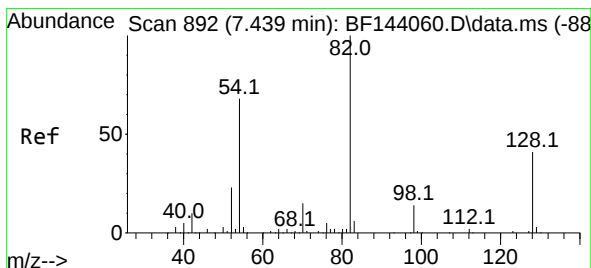
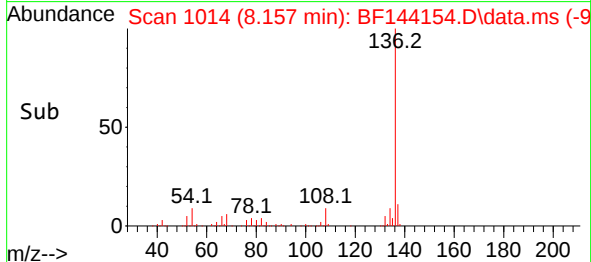
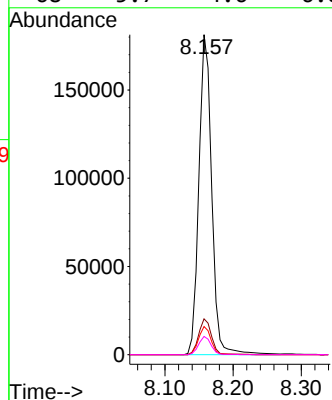
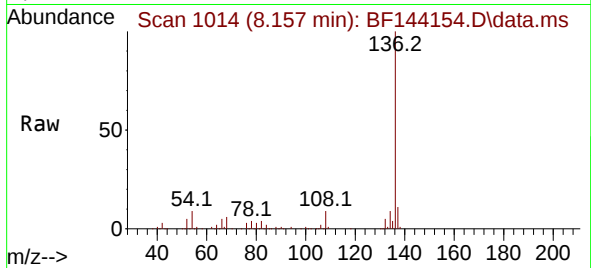


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:136 Resp: 237234

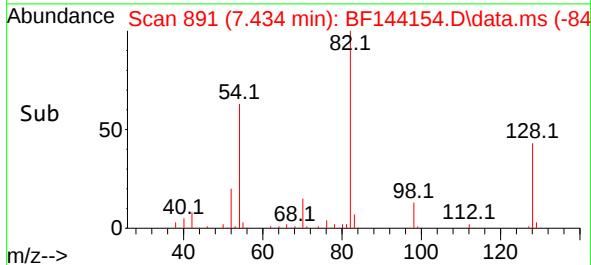
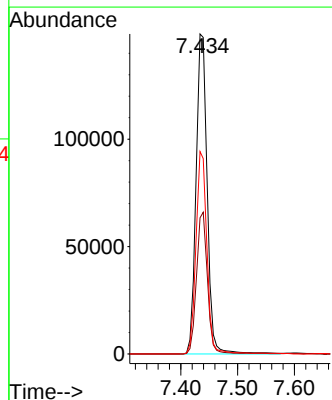
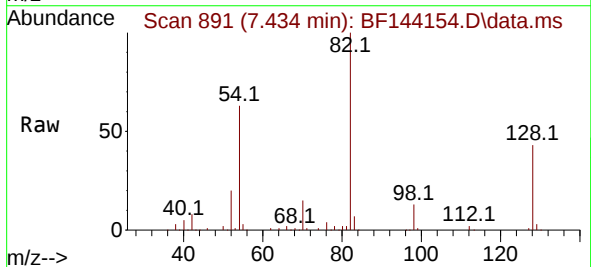
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.8	6.6	9.8
68	5.7	4.6	6.8

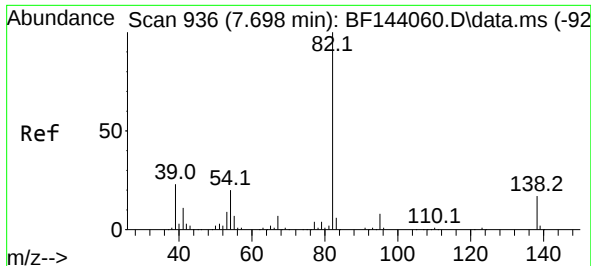


#23
Nitrobenzene-d5
Concen: 47.298 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Tgt Ion: 82 Resp: 204804

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.4	48.6
54	63.3	54.0	81.0

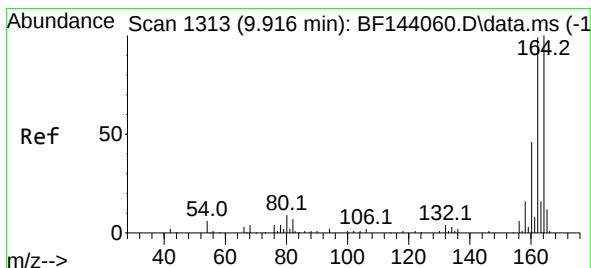
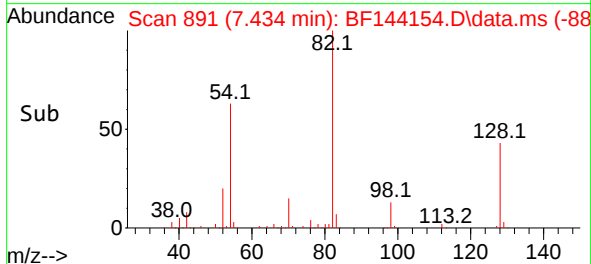
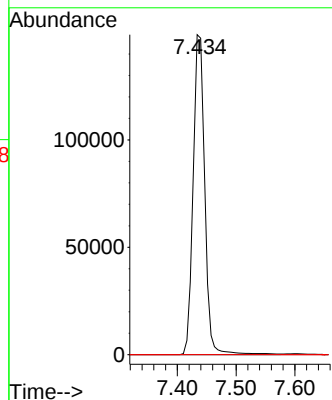
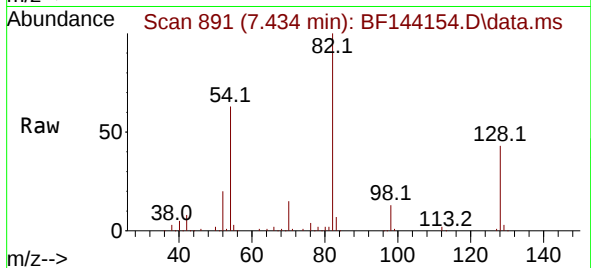




#25
Isophorone
Concen: 27.053 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.264 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

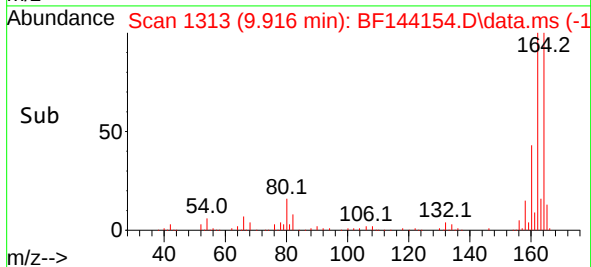
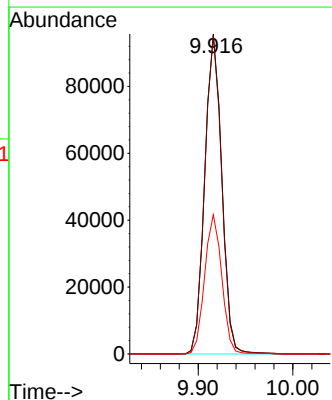
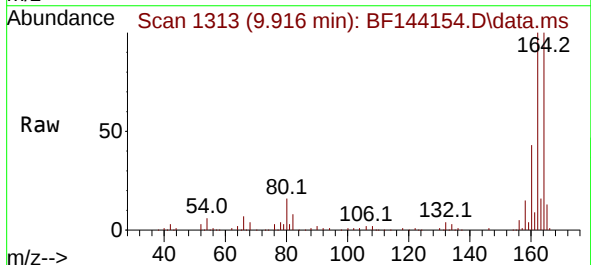
Instrument :
BNA_F
ClientSampleId :
WC-4

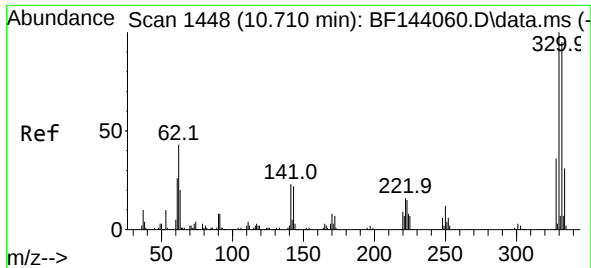
Tgt Ion: 82 Resp: 204803
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Tgt Ion:164 Resp: 119379
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.2
160 43.5 36.7 55.1

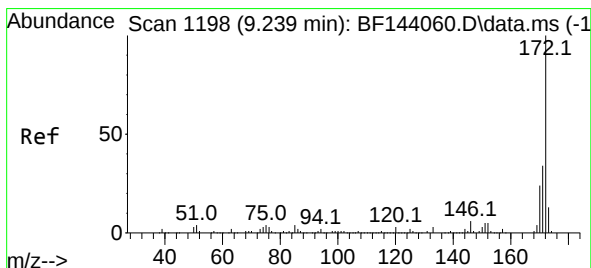
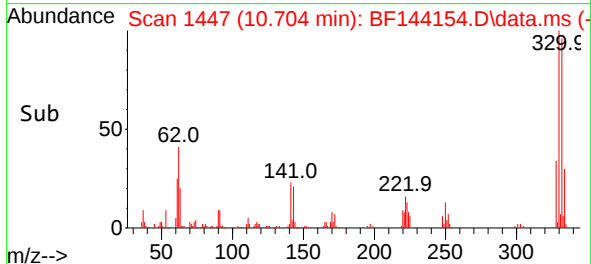
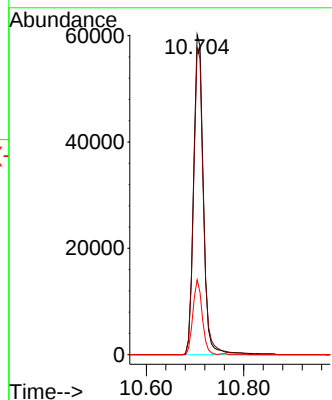
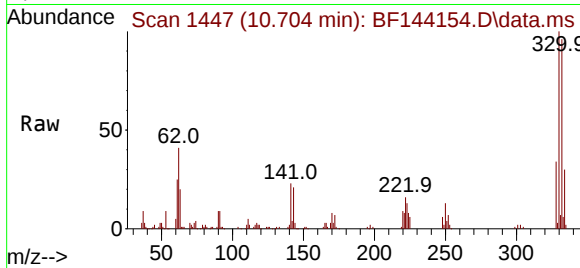




#42
2,4,6-Tribromophenol
Concen: 55.619 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

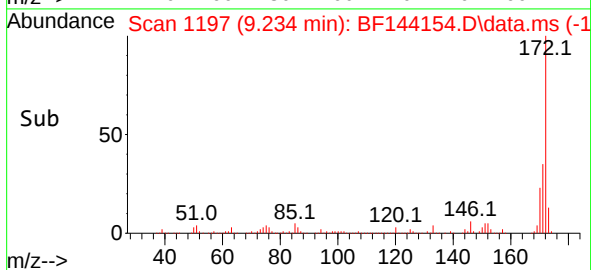
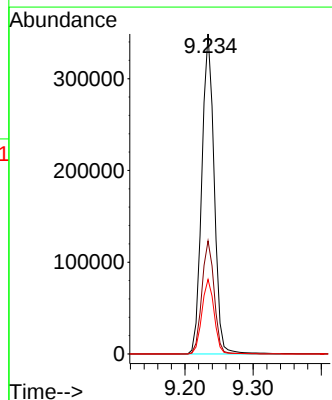
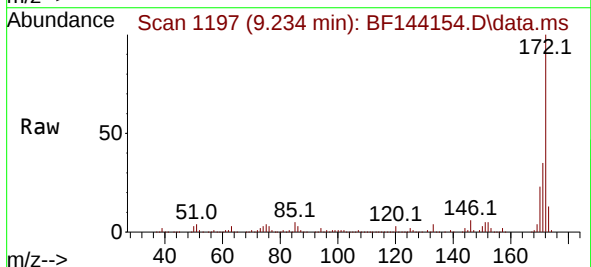
Instrument :
BNA_F
ClientSampleId :
WC-4

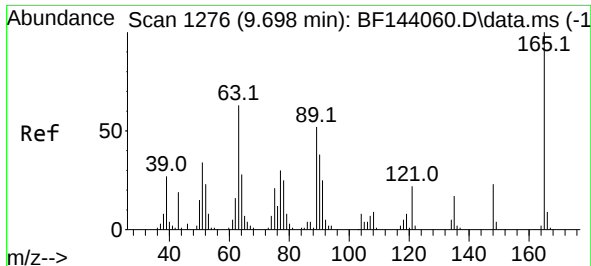
Tgt Ion: 330 Resp: 84577
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 22.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 51.870 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Tgt Ion: 172 Resp: 440030
Ion Ratio Lower Upper
172 100
171 35.4 27.5 41.3
170 23.3 19.0 28.6

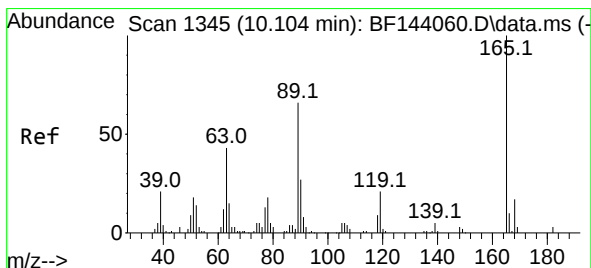
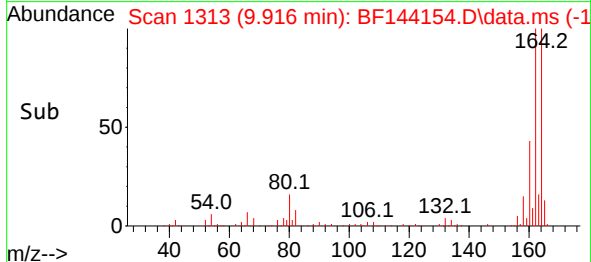
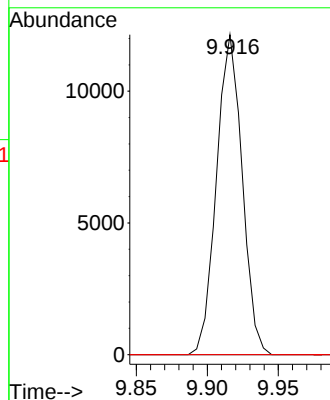
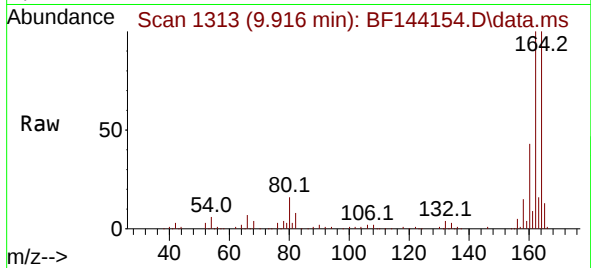




#51
2,6-Dinitrotoluene
Concen: 9.856 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

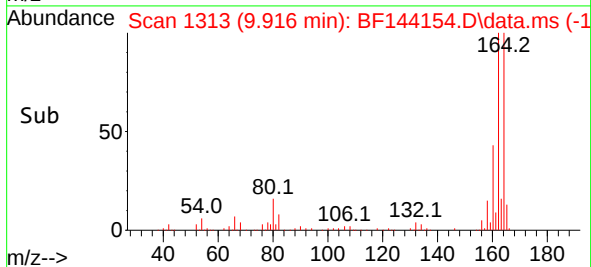
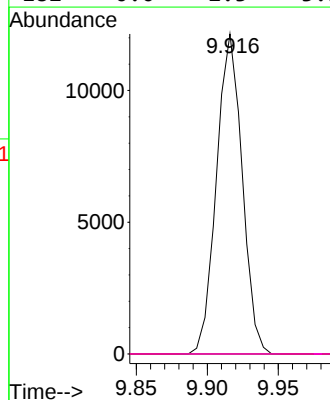
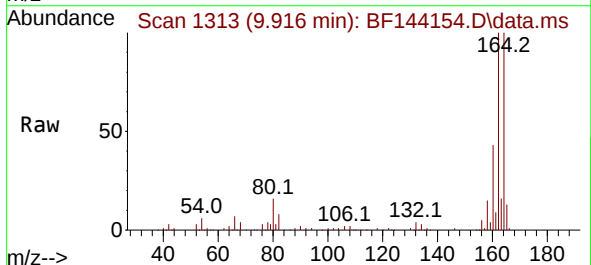
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BNA_F
ClientSampleId :
WC-4

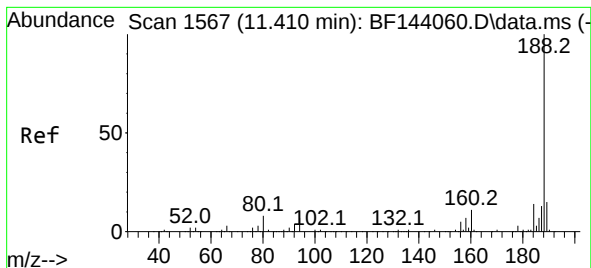
Tgt Ion:165 Resp: 15246
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.302 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144154.D
Acq: 30 Oct 2025 22:07

Tgt Ion:165 Resp: 15246
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

Instrument :

BNA_F

ClientSampleId :

WC-4

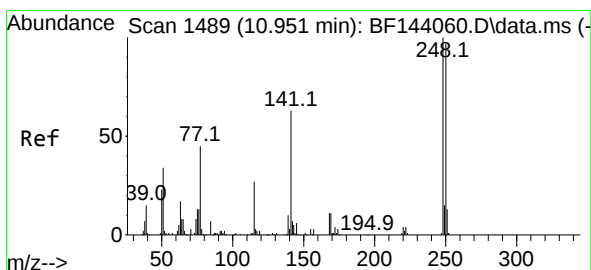
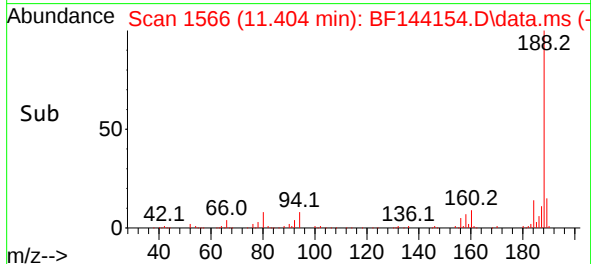
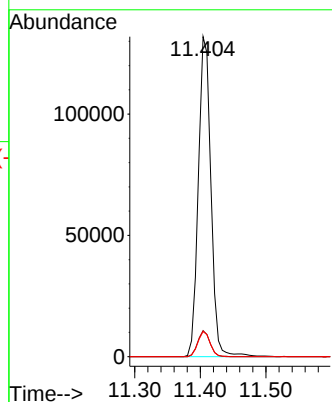
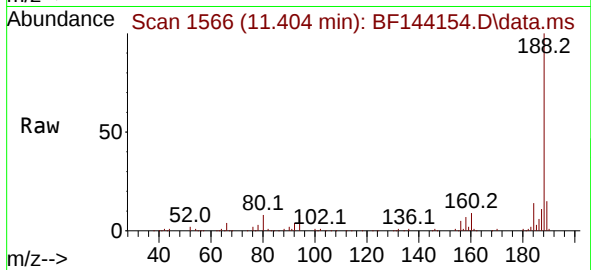
Tgt Ion:188 Resp: 176660

Ion Ratio Lower Upper

188 100

94 8.1 5.4 8.0#

80 7.8 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 2.072 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.247 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

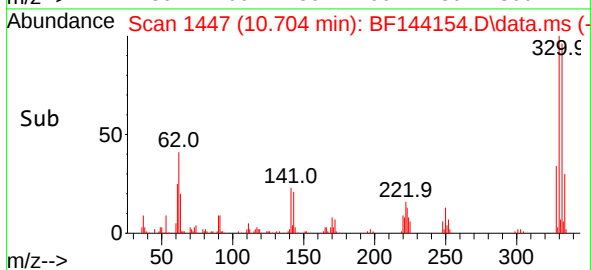
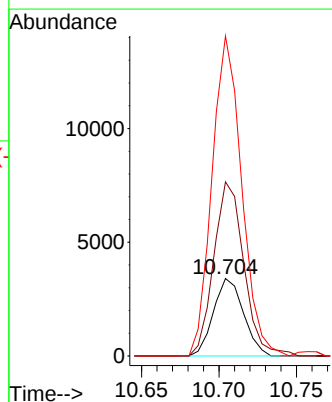
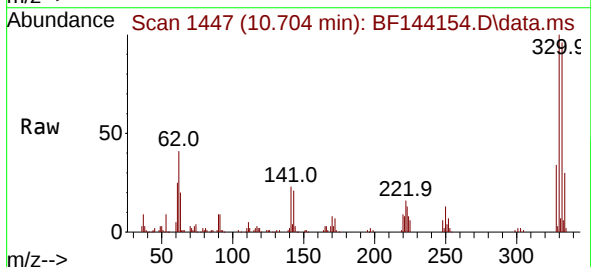
Tgt Ion:248 Resp: 4582

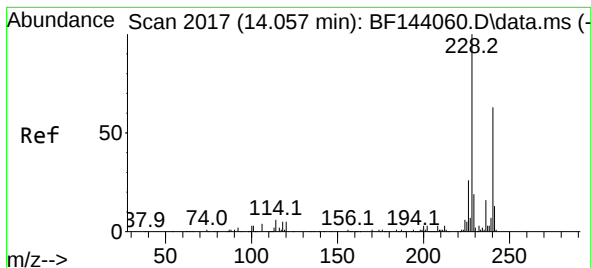
Ion Ratio Lower Upper

248 100

250 224.8 77.8 116.6#

141 413.3 50.5 75.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

Instrument :

BNA_F

ClientSampleId :

WC-4

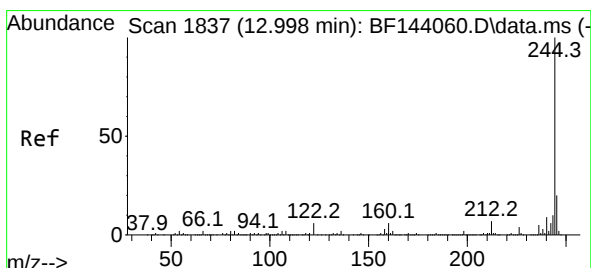
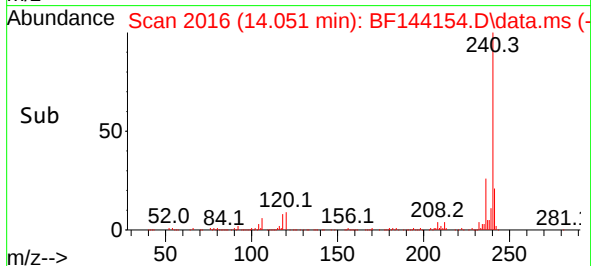
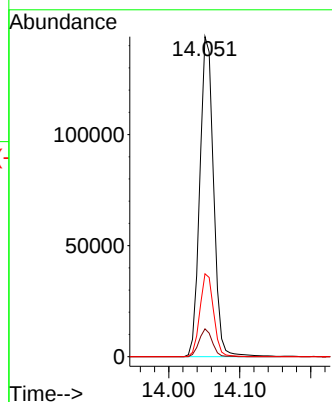
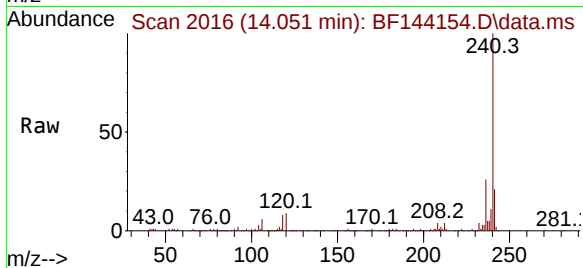
Tgt Ion:240 Resp: 194741

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 25.9 20.1 30.1



#79

Terphenyl-d14

Concen: 40.819 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144154.D

Acq: 30 Oct 2025 22:07

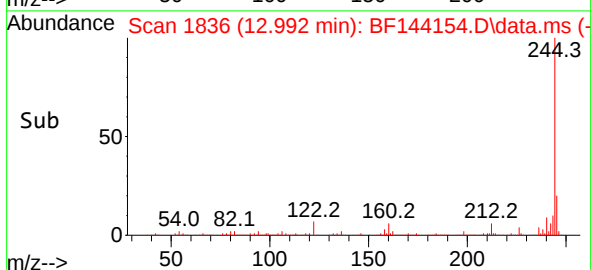
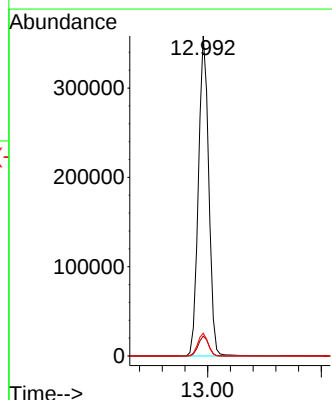
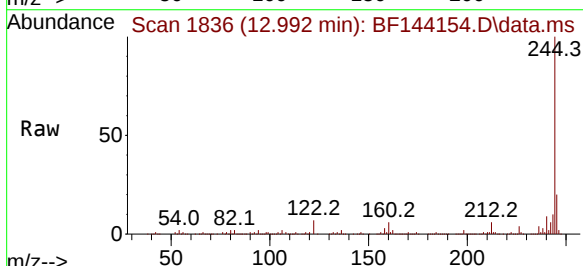
Tgt Ion:244 Resp: 454699

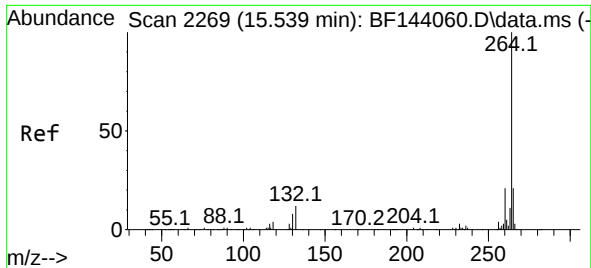
Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.6

122 7.1 4.9 7.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144154.D
 Acq: 30 Oct 2025 22:07

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Tgt Ion:264 Resp: 232593
 Ion Ratio Lower Upper
 264 100
 260 21.6 17.0 25.4
 265 21.1 16.6 24.8

