

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143051.D
 Acq On : 09 Jul 2025 12:24
 Operator : RC/JU
 Sample : PB168750BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168750BL

Quant Time: Jul 09 12:45:41 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)

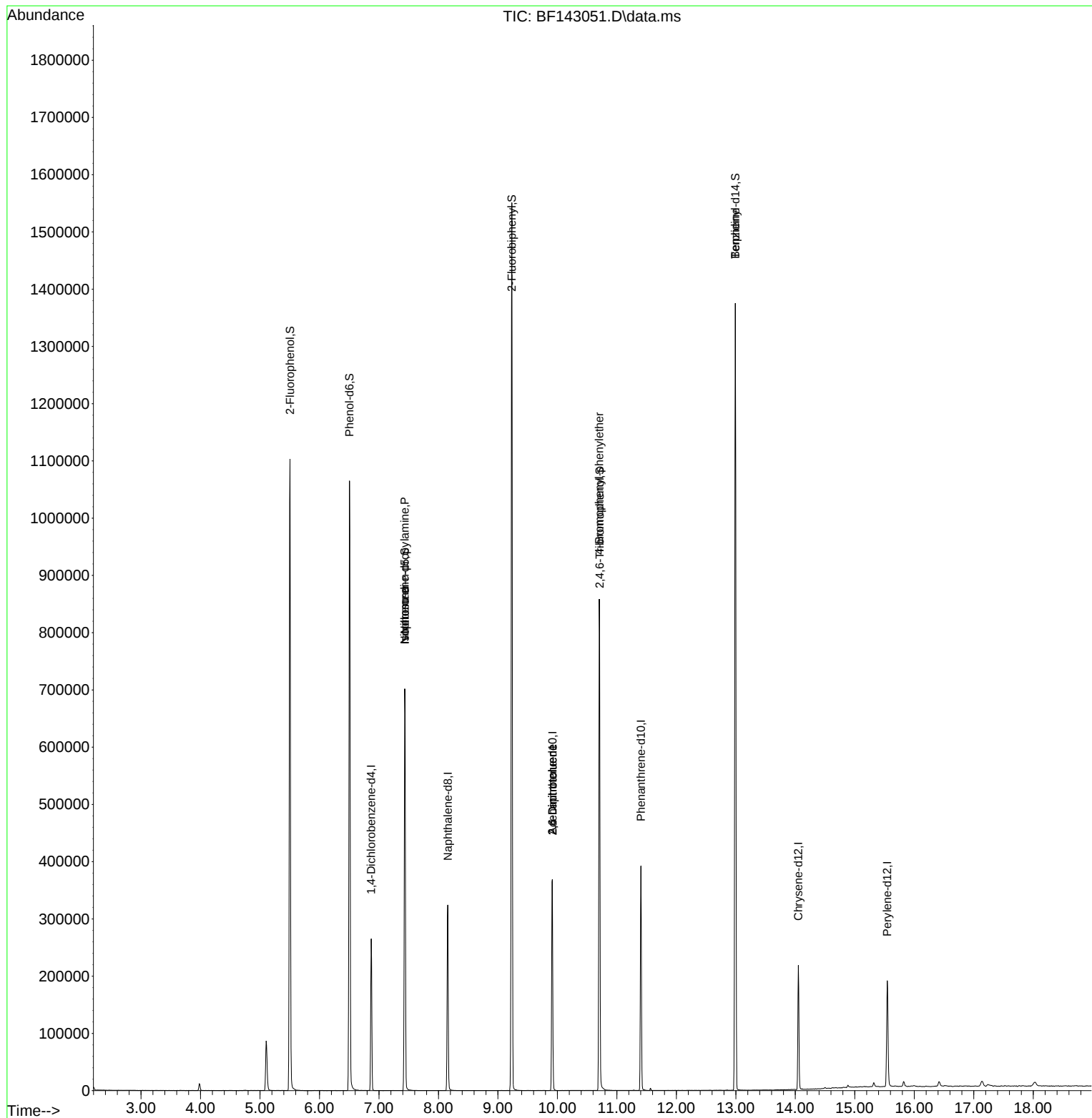
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	58608	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	223429	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	120074	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	209574	20.000	ng	0.00
76) Chrysene-d12	14.051	240	109296	20.000	ng	0.00
86) Perylene-d12	15.545	264	119678	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	441344	125.376	ng	0.01
7) Phenol-d6	6.504	99	522633	125.842	ng	0.00
23) Nitrobenzene-d5	7.434	82	322776	79.240	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	159473	129.061	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	719775	78.747	ng	-0.01
79) Terphenyl-d14	12.992	244	683043	86.349	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	43359	17.951	ng	# 75
25) Isophorone	7.434	82	320566	49.058	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14774	8.655	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14774	6.516	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10245	4.295	ng	# 1
77) Benzidine	12.992	184	8567	2.086	ng	# 94

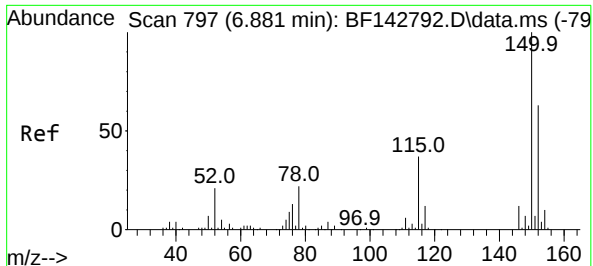
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143051.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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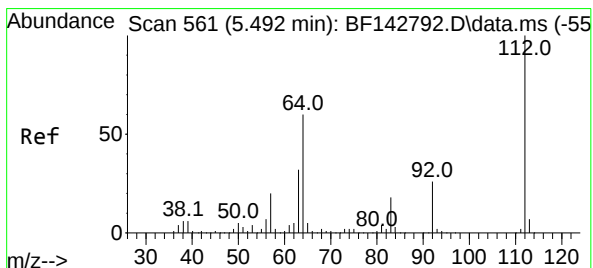
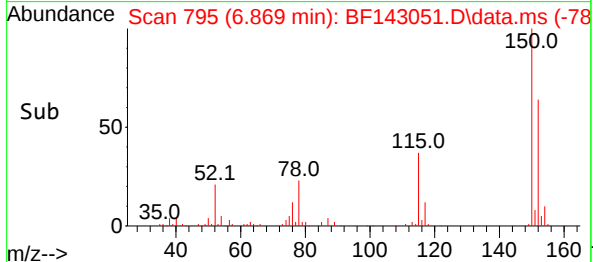
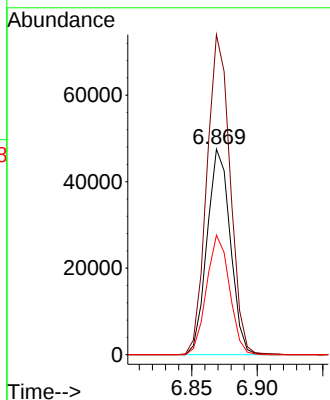
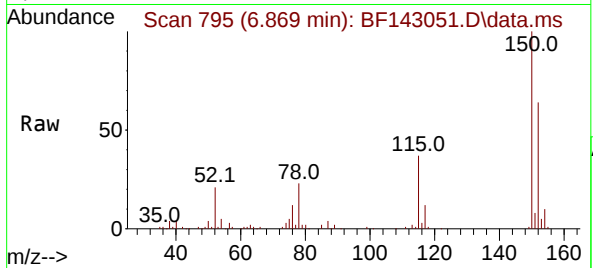




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF143051.D
 Acq: 09 Jul 2025 12:24

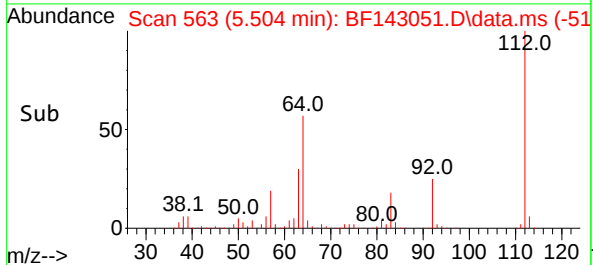
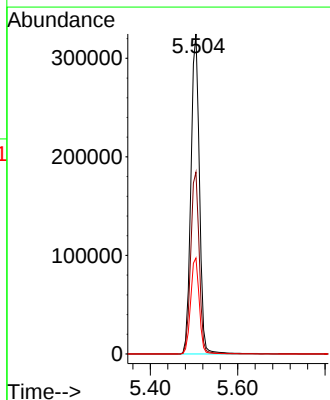
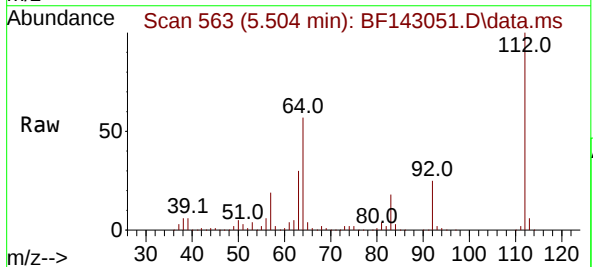
Instrument :
 BNA_F
 ClientSampleId :
 PB168750BL

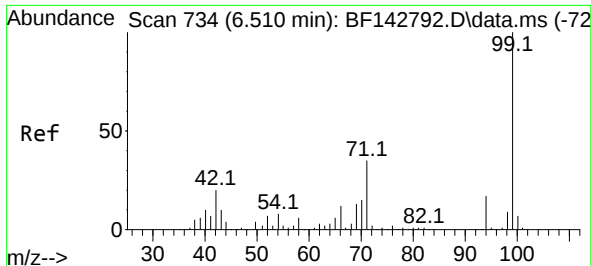
Tgt Ion:152 Resp: 58608
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.2 190.8
 115 58.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 125.376 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF143051.D
 Acq: 09 Jul 2025 12:24

Tgt Ion:112 Resp: 441344
 Ion Ratio Lower Upper
 112 100
 64 56.8 48.2 72.2
 63 30.0 25.7 38.5

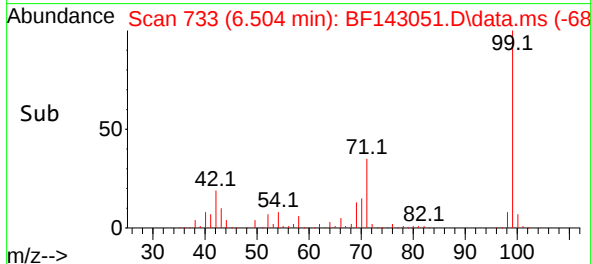
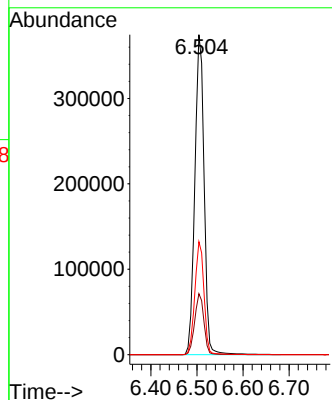
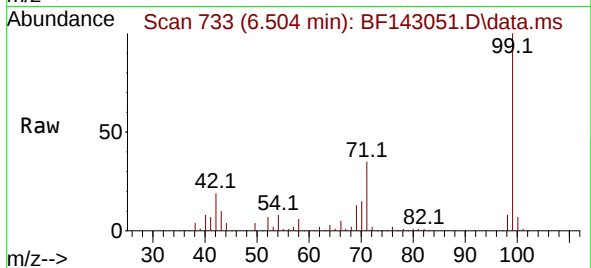




#7
Phenol-d6
Concen: 125.842 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

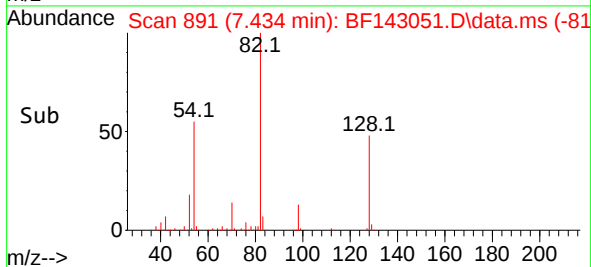
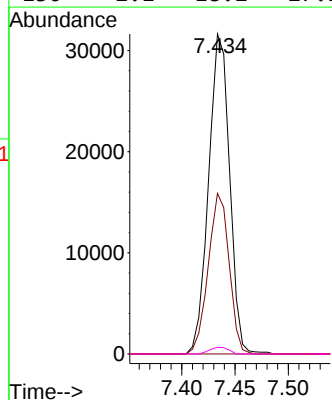
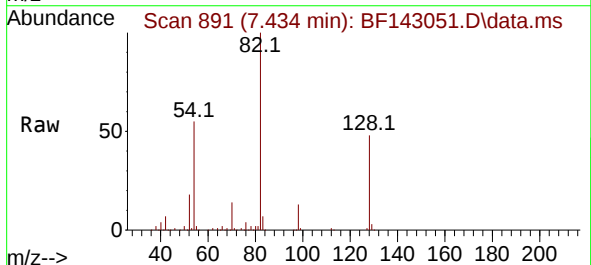
Instrument :
BNA_F
ClientSampleId :
PB168750BL

Tgt Ion: 99 Resp: 522633
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.951 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion: 70 Resp: 43359
Ion Ratio Lower Upper
70 100
42 50.2 52.1 78.1#
101 0.0 8.2 12.2#
130 2.1 18.2 27.2#

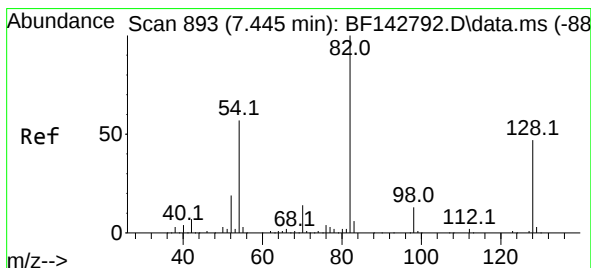
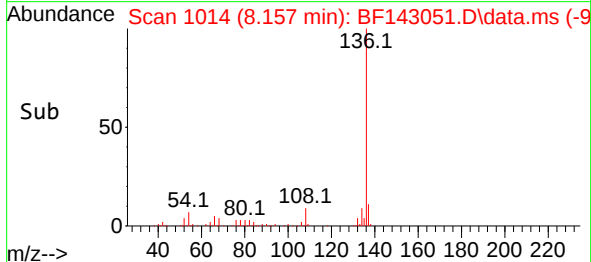
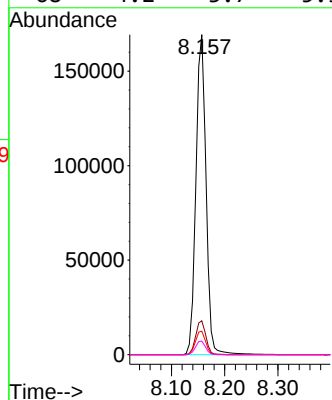
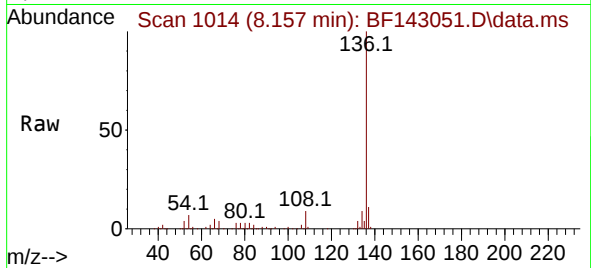




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

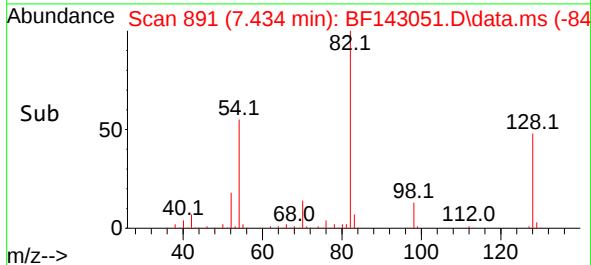
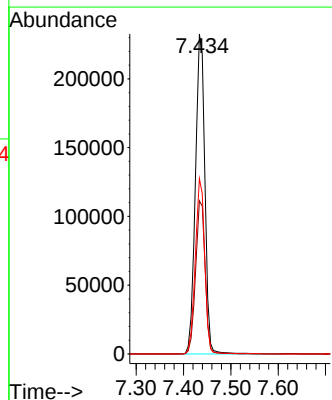
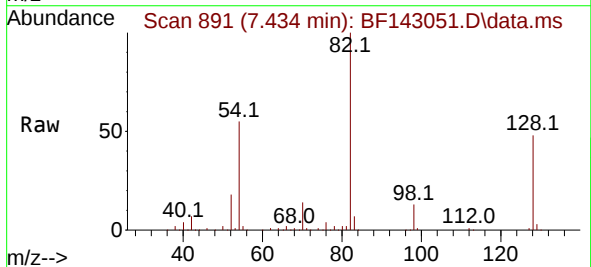
Instrument :
BNA_F
ClientSampleId :
PB168750BL

Tgt Ion:136 Resp: 223429
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.4 6.3 9.5
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.240 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion: 82 Resp: 322776
Ion Ratio Lower Upper
82 100
128 47.8 37.7 56.5
54 54.8 45.7 68.5

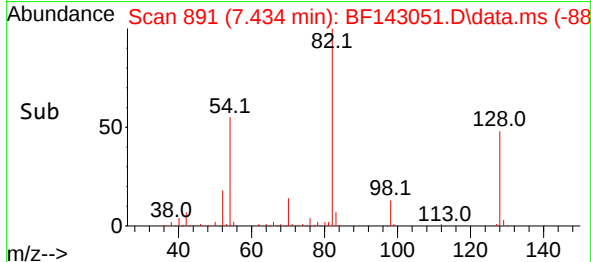
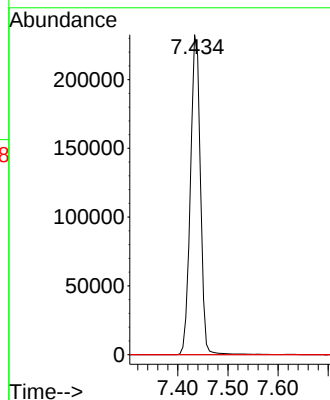
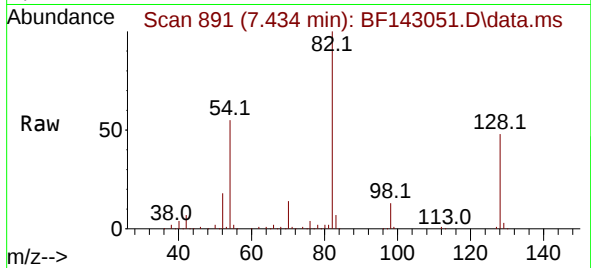




#25
Isophorone
Concen: 49.058 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

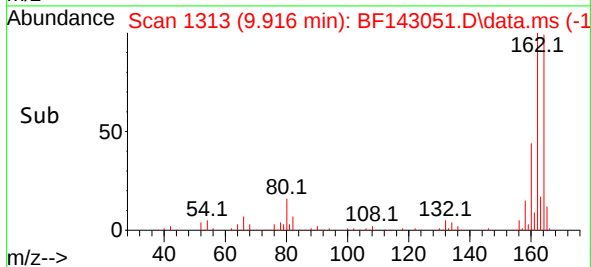
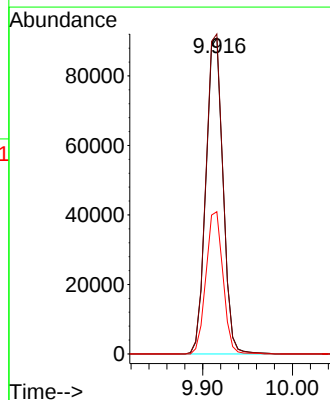
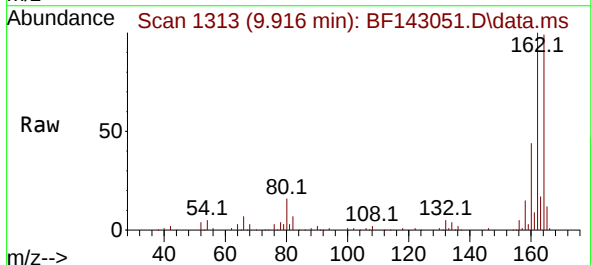
Instrument :
BNA_F
ClientSampleId :
PB168750BL

Tgt Ion: 82 Resp: 320566
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:164 Resp: 120074
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.8
160 45.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 129.061 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143051.D

Acq: 09 Jul 2025 12:24

Instrument :

BNA_F

ClientSampleId :

PB168750BL

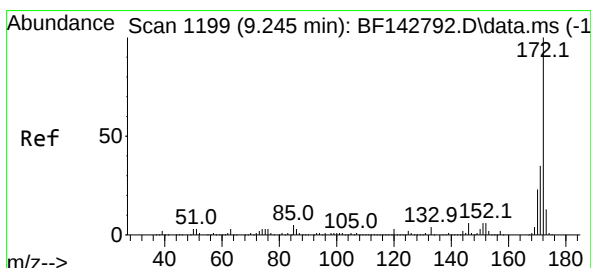
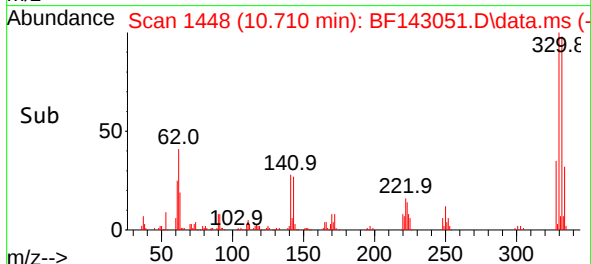
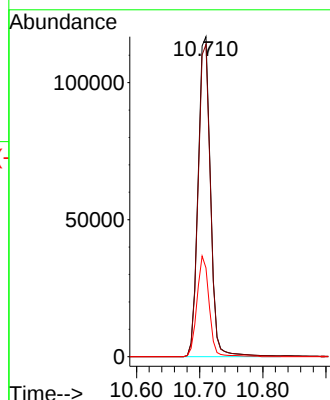
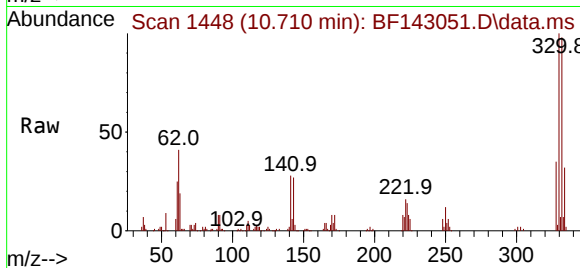
Tgt Ion:330 Resp: 159473

Ion Ratio Lower Upper

330 100

332 97.7 75.0 112.6

141 30.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 78.747 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143051.D

Acq: 09 Jul 2025 12:24

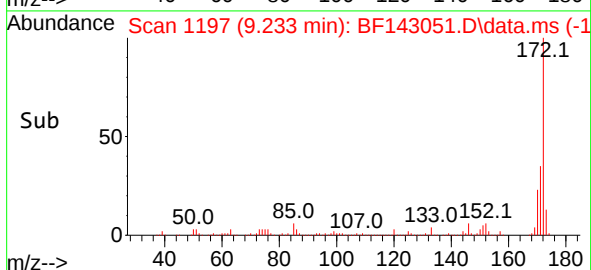
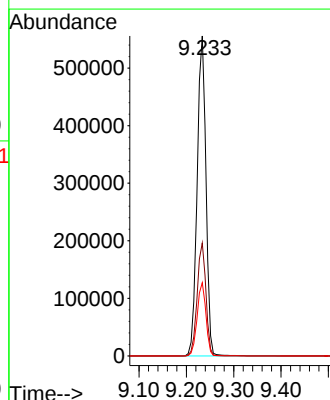
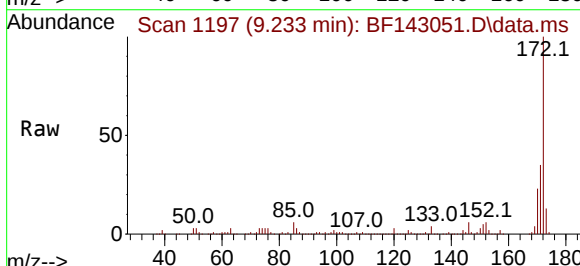
Tgt Ion:172 Resp: 719775

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.9 18.5 27.7

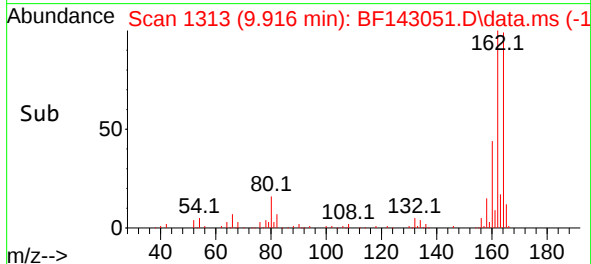
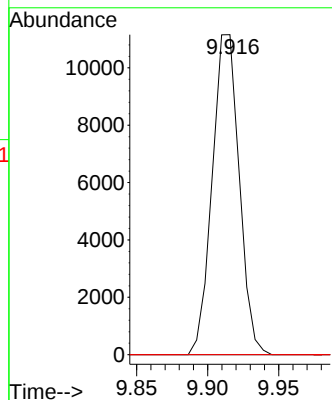
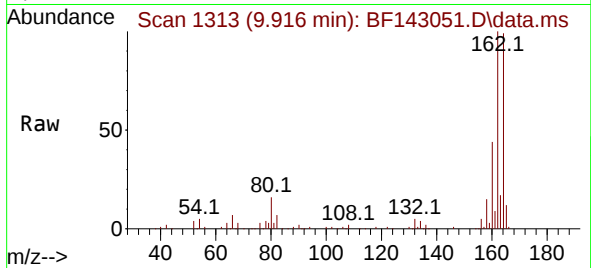




#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

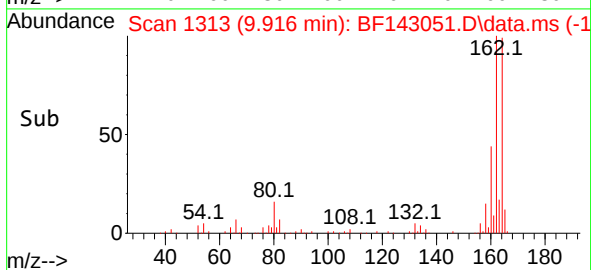
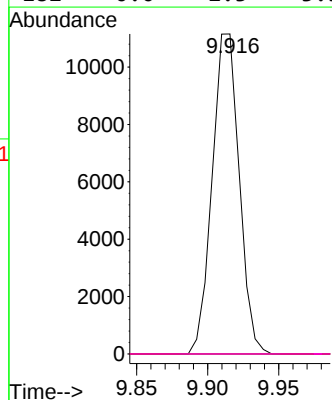
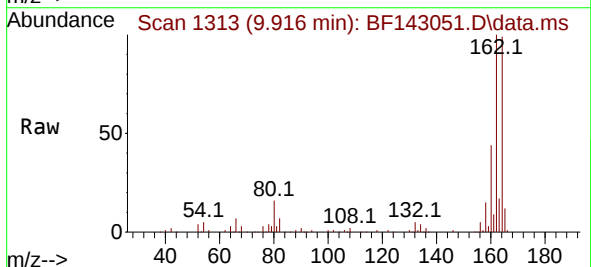
Instrument :
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ClientSampleId :
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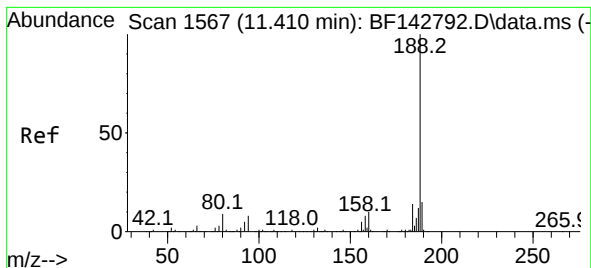
Tgt Ion:165 Resp: 14774
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.516 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:165 Resp: 14774
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
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: BF143051.D

Acq: 09 Jul 2025 12:24

Instrument :

BNA_F

ClientSampleId :

PB168750BL

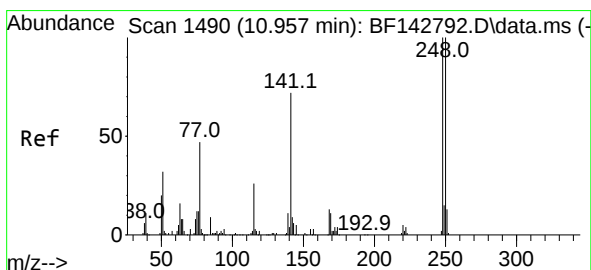
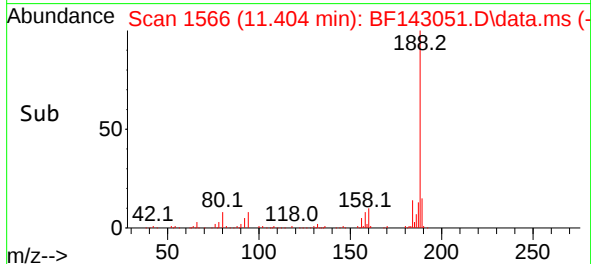
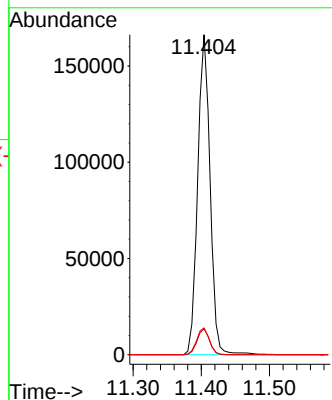
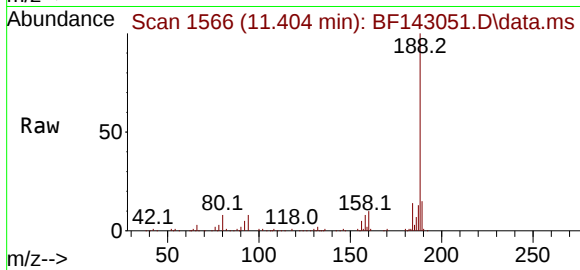
Tgt Ion:188 Resp: 209574

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.295 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF143051.D

Acq: 09 Jul 2025 12:24

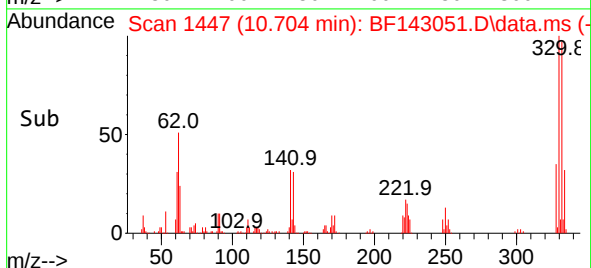
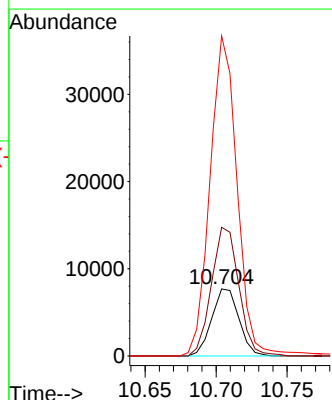
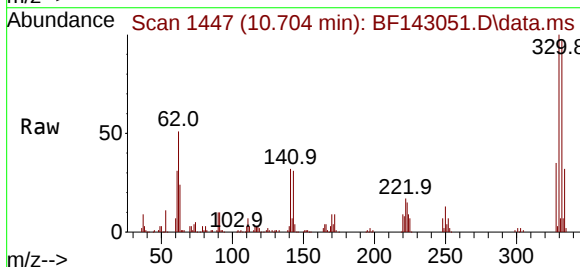
Tgt Ion:248 Resp: 10245

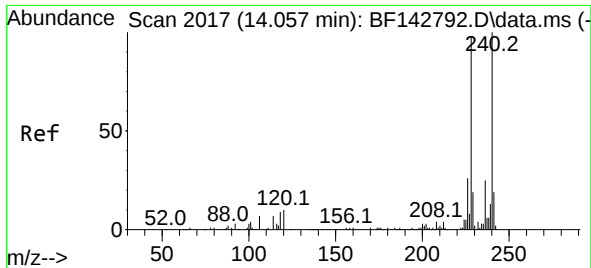
Ion Ratio Lower Upper

248 100

250 191.8 79.8 119.8#

141 477.2 57.8 86.6#

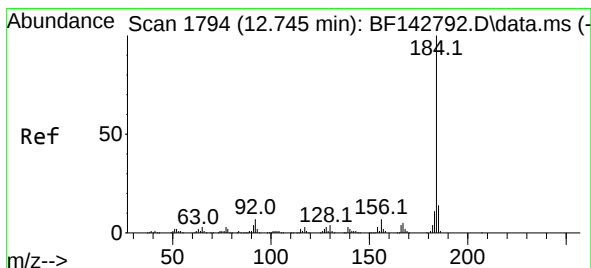
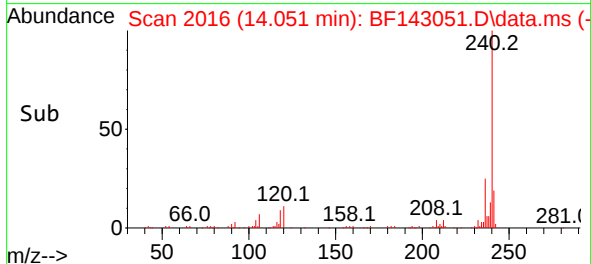
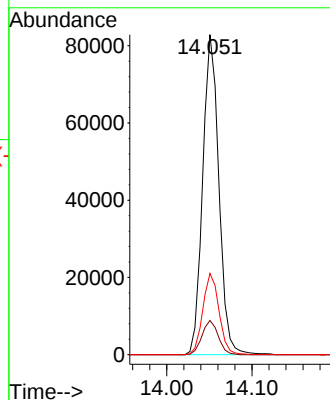
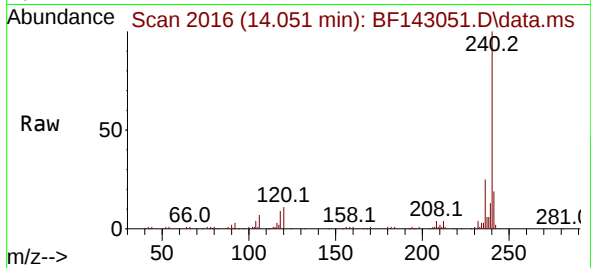




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

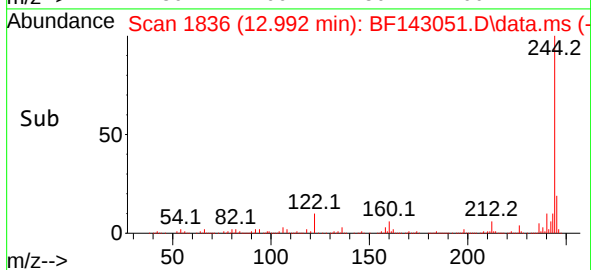
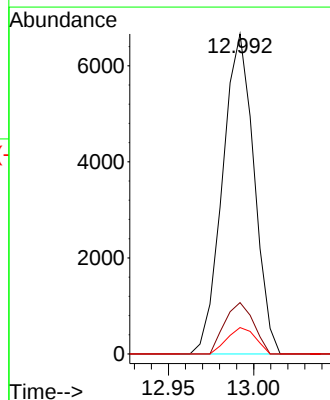
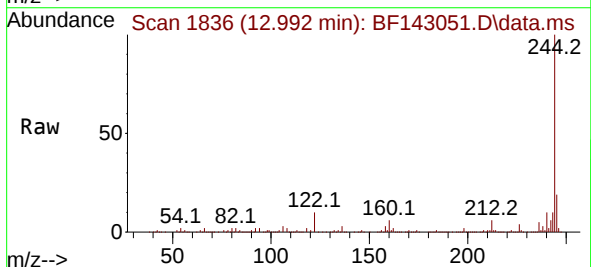
Instrument :
BNA_F
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PB168750BL

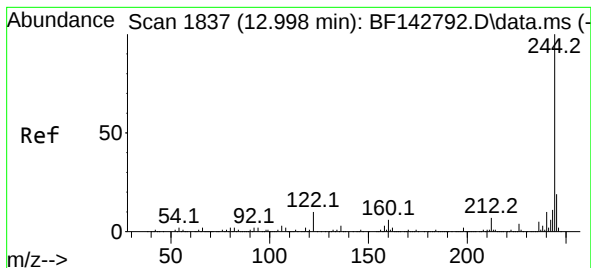
Tgt Ion:240 Resp: 109296
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.4 19.8 29.8



#77
Benidine
Concen: 2.086 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.247 min
Lab File: BF143051.D
Acq: 09 Jul 2025 12:24

Tgt Ion:184 Resp: 8567
Ion Ratio Lower Upper
184 100
185 16.0 11.5 17.3
183 8.3 9.0 13.4#





#79

Terphenyl-d14

Concen: 86.349 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143051.D

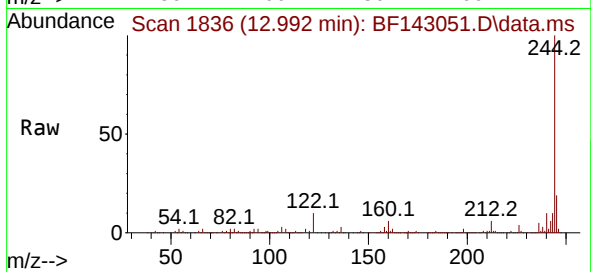
Acq: 09 Jul 2025 12:24

Instrument :

BNA_F

ClientSampleId :

PB168750BL



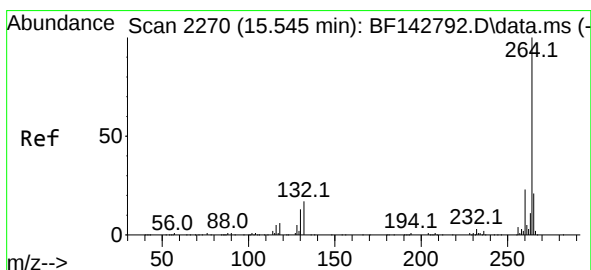
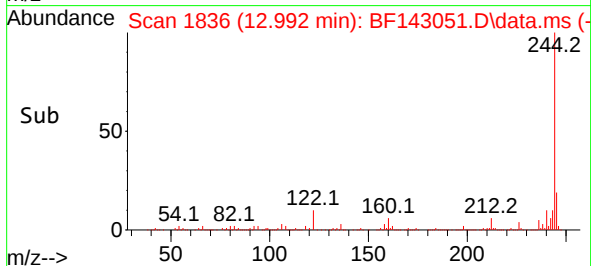
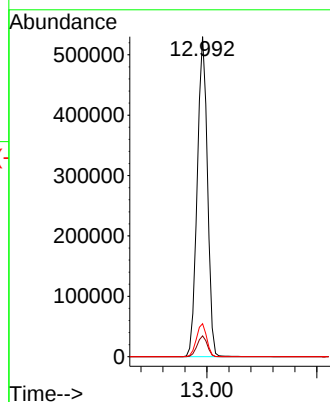
Tgt Ion:244 Resp: 683043

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143051.D

Acq: 09 Jul 2025 12:24

Tgt Ion:264 Resp: 119678

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 21.2 16.6 25.0

