

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142998.D
 Acq On : 03 Jul 2025 15:58
 Operator : RC/JU
 Sample : Q2458-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-06272025

Quant Time: Jul 03 16:21:54 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)

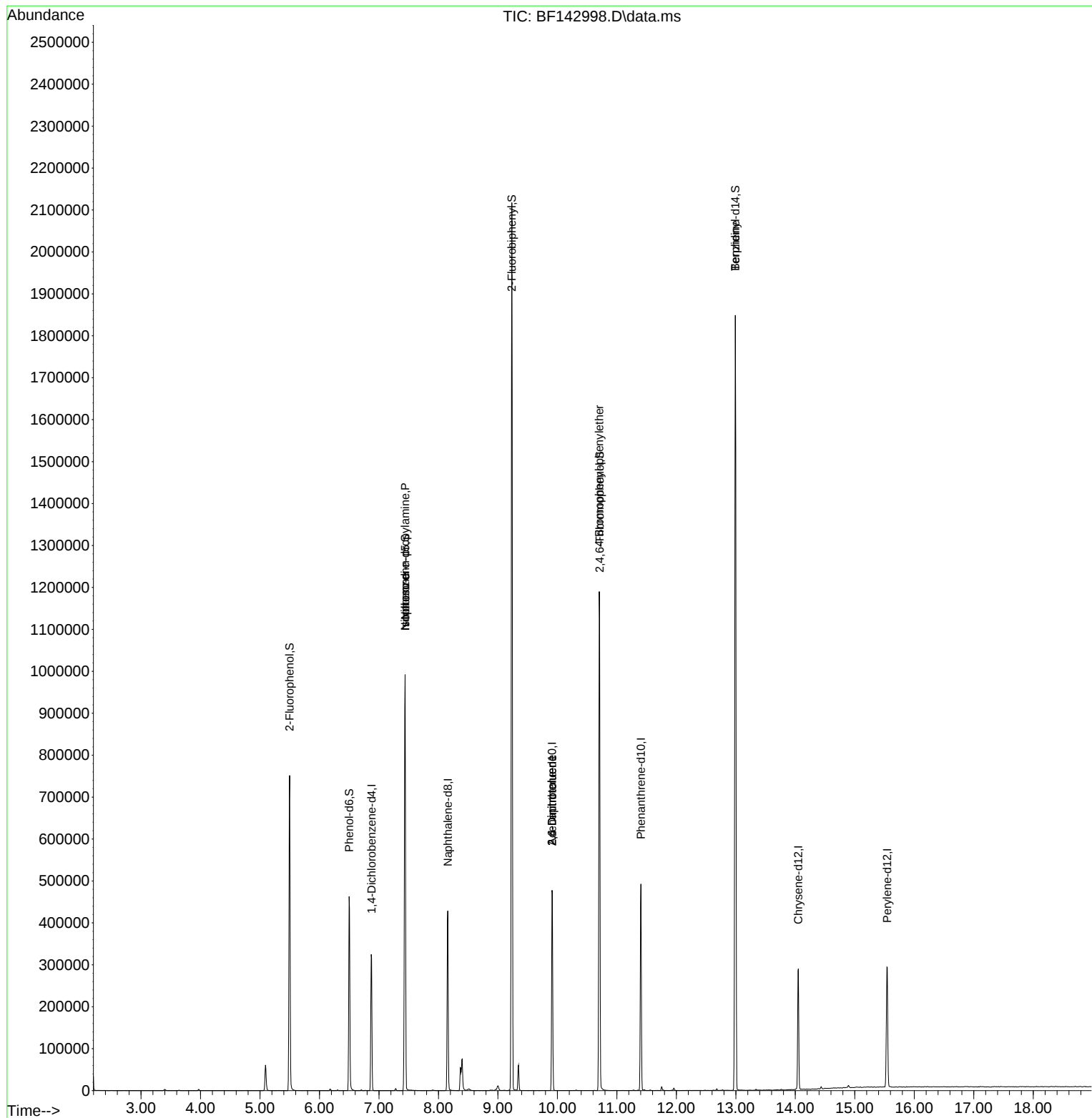
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74550	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	284157	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	150910	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	259289	20.000	ng	0.00
76) Chrysene-d12	14.051	240	148740	20.000	ng	0.00
86) Perylene-d12	15.545	264	177122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	293287	65.500	ng	0.00
7) Phenol-d6	6.498	99	216660	41.012	ng	-0.01
23) Nitrobenzene-d5	7.439	82	457582	88.327	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218827	140.909	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	961589	83.706	ng	-0.01
79) Terphenyl-d14	12.992	244	929825	86.375	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60709	19.759	ng	# 73
25) Isophorone	7.439	82	454469	54.687	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	19249	8.973	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	19249	6.755	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	13798	4.676	ng	# 1
77) Benzidine	12.992	184	11561	2.069	ng	# 92

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

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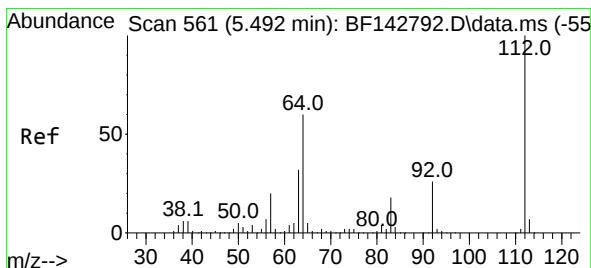
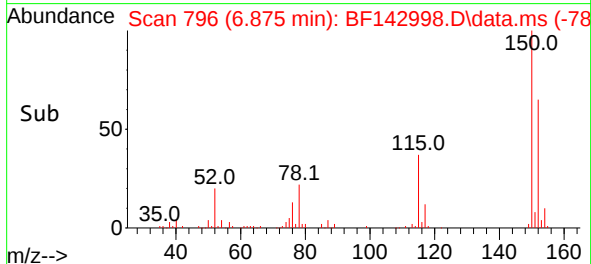
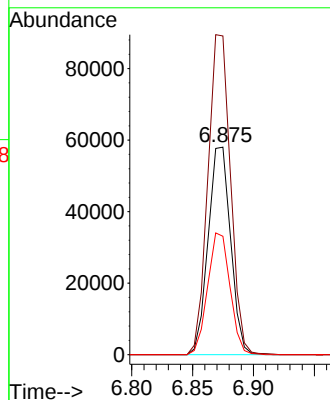
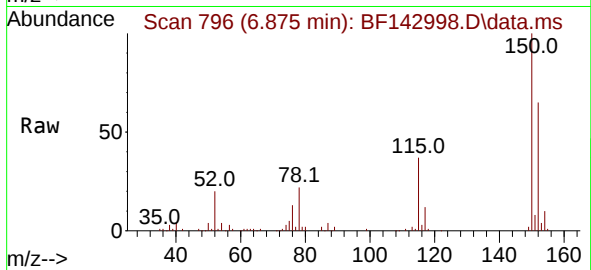




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142998.D
 Acq: 03 Jul 2025 15:58

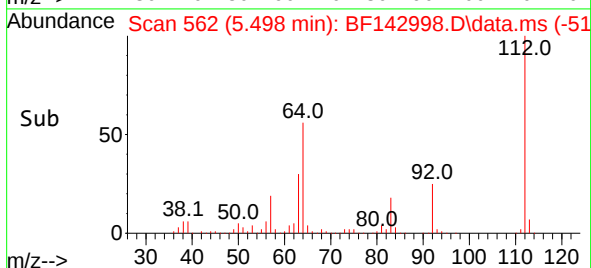
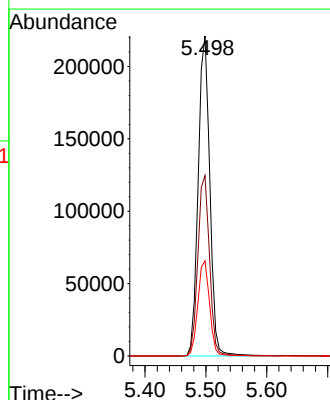
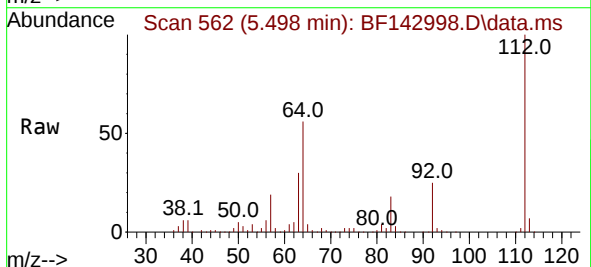
Instrument :
 BNA_F
 ClientSampleId :
 FB-06272025

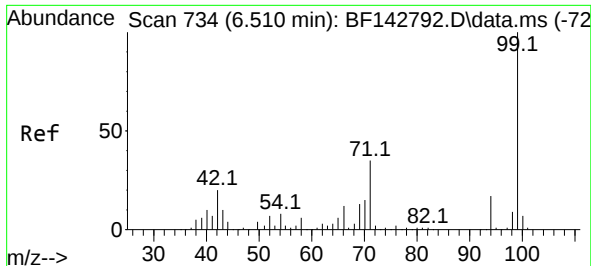
Tgt Ion:152 Resp: 74550
 Ion Ratio Lower Upper
 152 100
 150 153.6 127.2 190.8
 115 57.0 46.6 69.8



#5
 2-Fluorophenol
 Concen: 65.500 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142998.D
 Acq: 03 Jul 2025 15:58

Tgt Ion:112 Resp: 293287
 Ion Ratio Lower Upper
 112 100
 64 56.3 48.2 72.2
 63 29.8 25.7 38.5

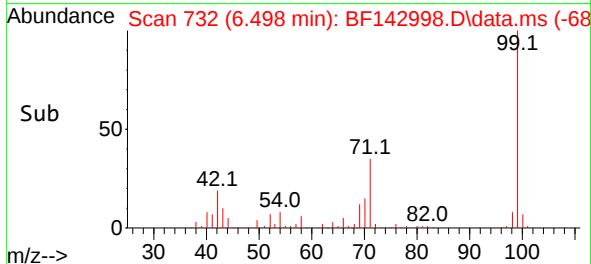
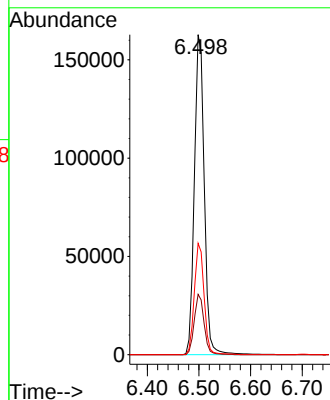
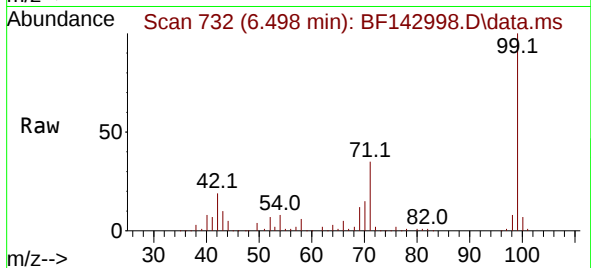




#7
Phenol-d6
Concen: 41.012 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

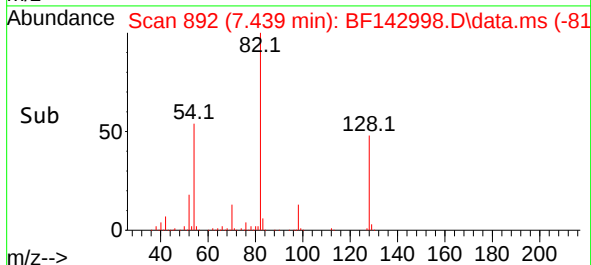
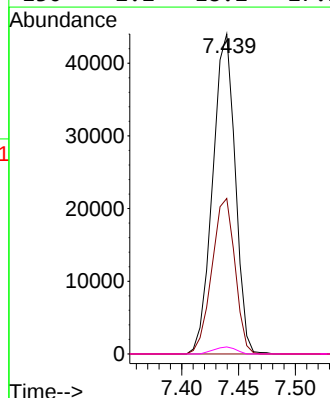
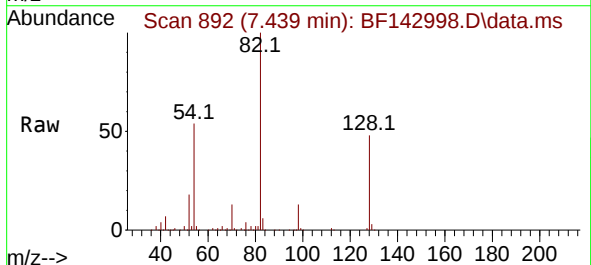
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ClientSampleId :
FB-06272025

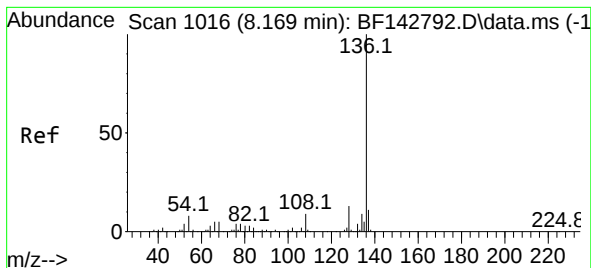
Tgt Ion: 99 Resp: 216660
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.759 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion: 70 Resp: 60709
Ion Ratio Lower Upper
70 100
42 48.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 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: BF142998.D

Acq: 03 Jul 2025 15:58

Instrument :

BNA_F

ClientSampleId :

FB-06272025

Tgt Ion:136 Resp: 284157

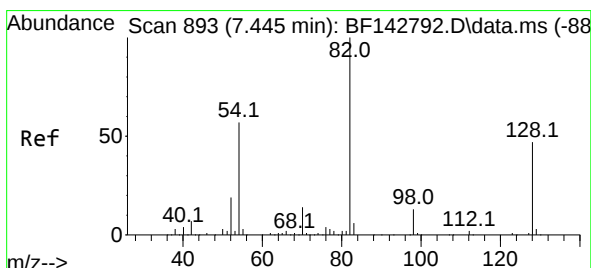
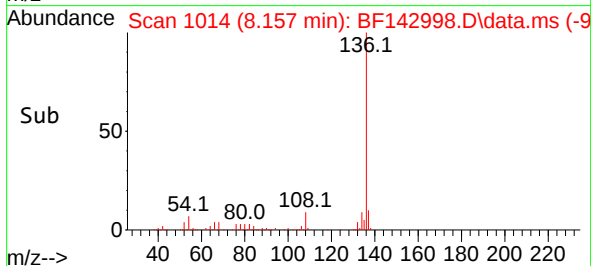
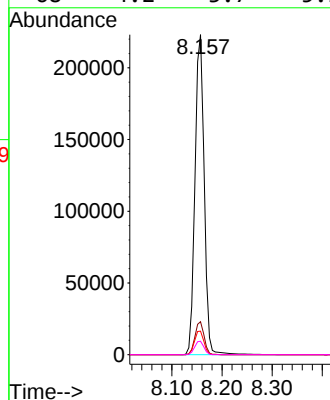
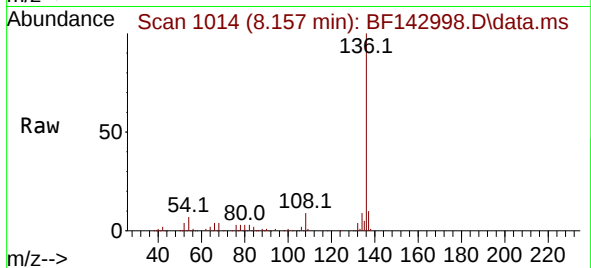
Ion Ratio Lower Upper

136 100

137 10.3 8.4 12.6

54 7.4 6.3 9.5

68 4.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 88.327 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142998.D

Acq: 03 Jul 2025 15:58

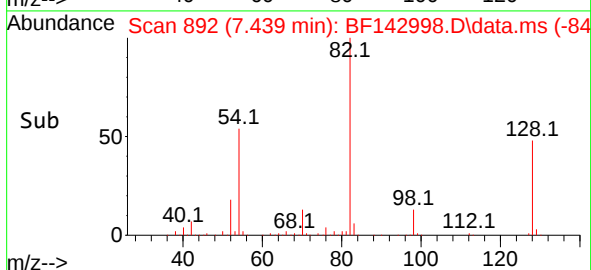
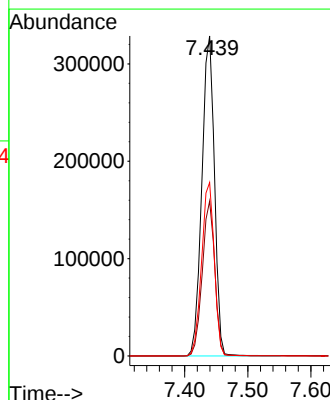
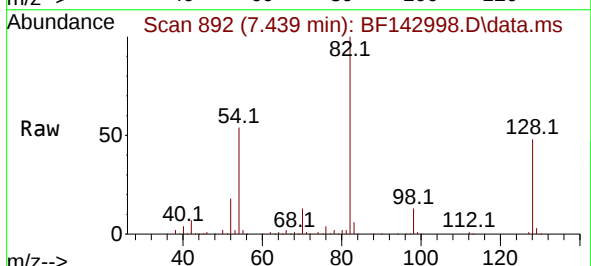
Tgt Ion: 82 Resp: 457582

Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

54 54.2 45.7 68.5

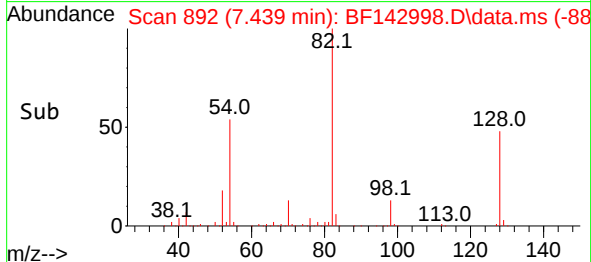
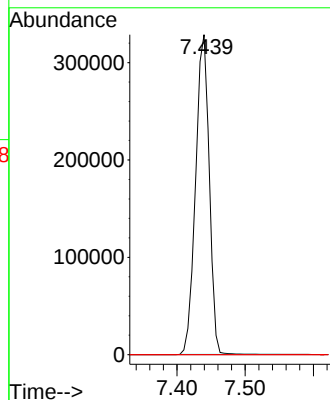
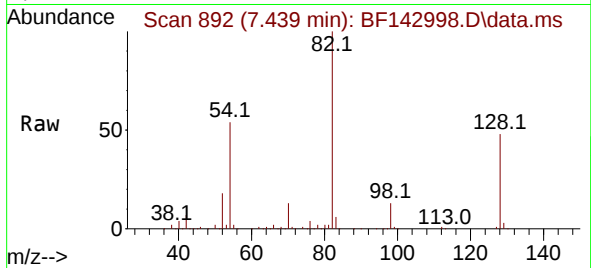




#25
Isophorone
Concen: 54.687 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

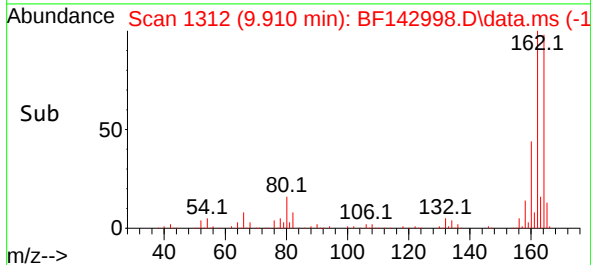
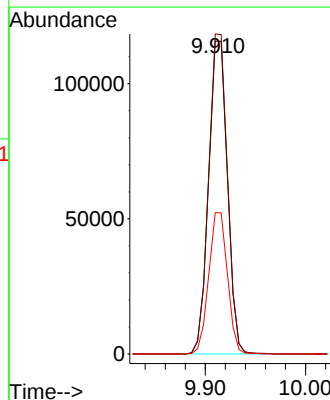
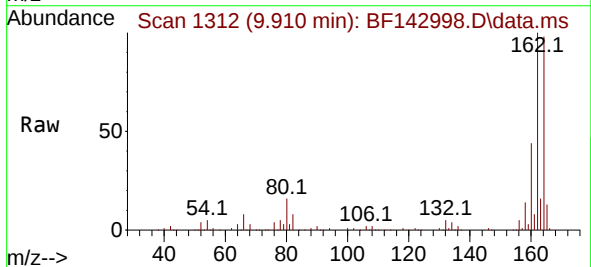
Instrument :
BNA_F
ClientSampleId :
FB-06272025

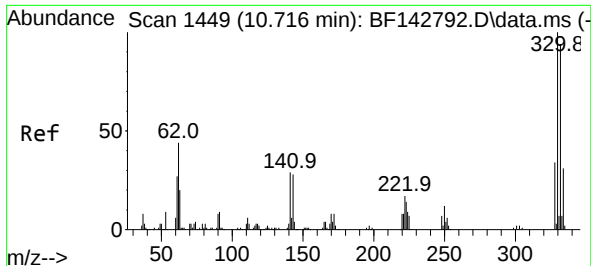
Tgt Ion: 82 Resp: 454469
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:164 Resp: 150910
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.8
160 45.2 36.0 54.0

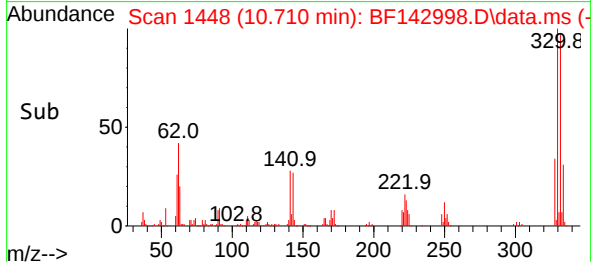
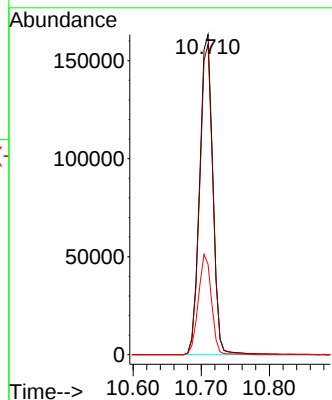
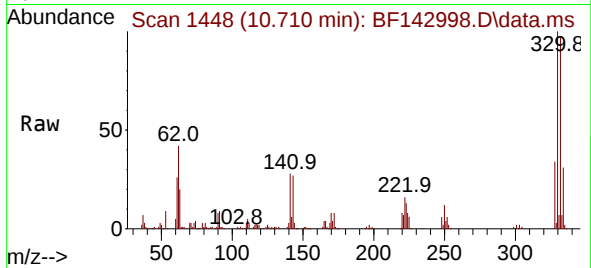




#42
2,4,6-Tribromophenol
Concen: 140.909 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

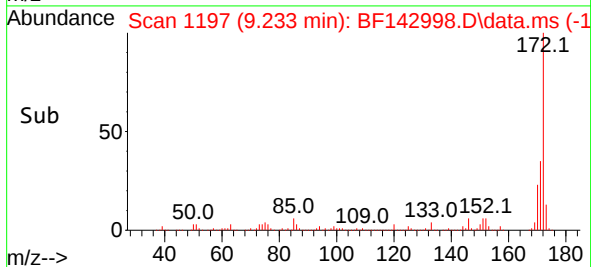
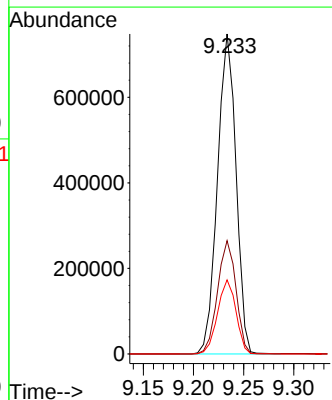
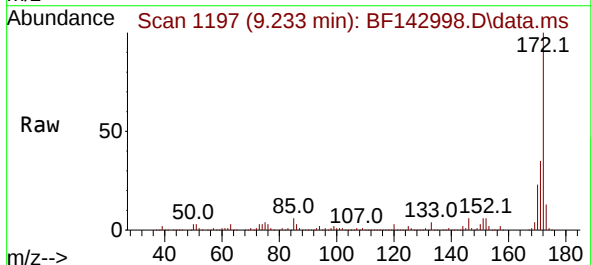
Instrument :
BNA_F
ClientSampleId :
FB-06272025

Tgt Ion: 330 Resp: 218827
Ion Ratio Lower Upper
330 100
332 96.9 75.0 112.6
141 31.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 83.706 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion: 172 Resp: 961589
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.1 18.5 27.7

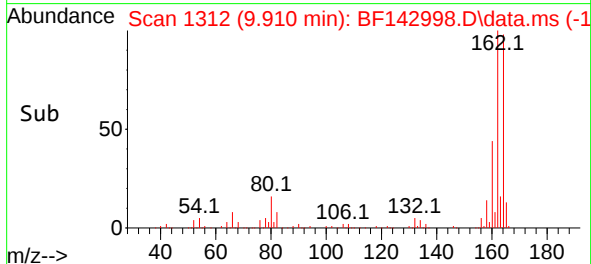
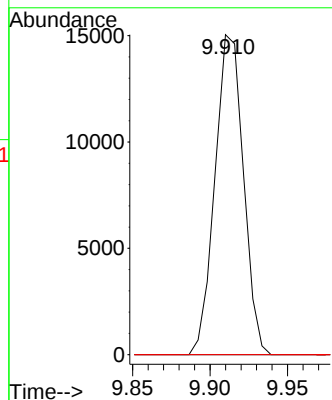
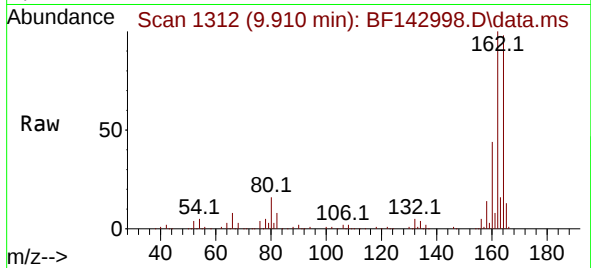




#51
2,6-Dinitrotoluene
Concen: 8.973 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

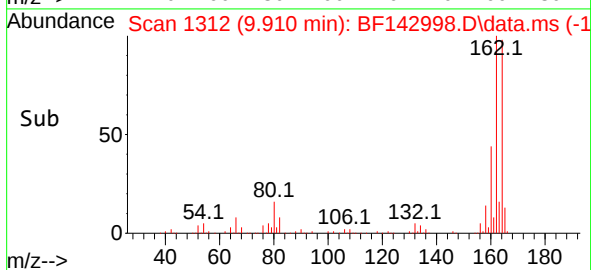
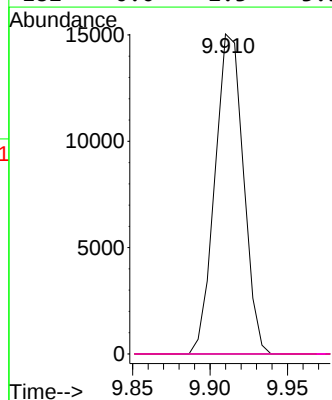
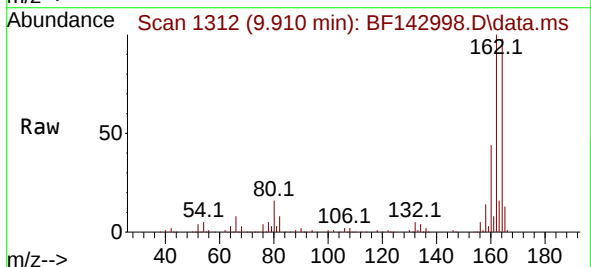
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ClientSampleId :
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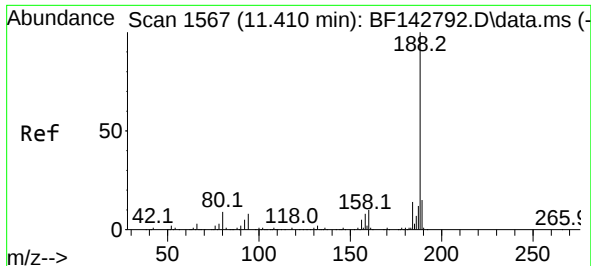
Tgt Ion:165 Resp: 19249
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.755 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:165 Resp: 19249
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#

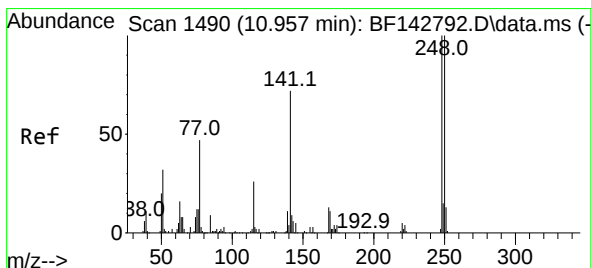
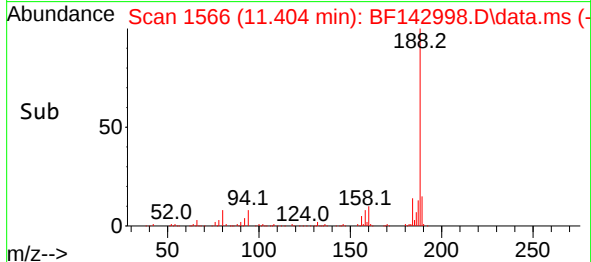
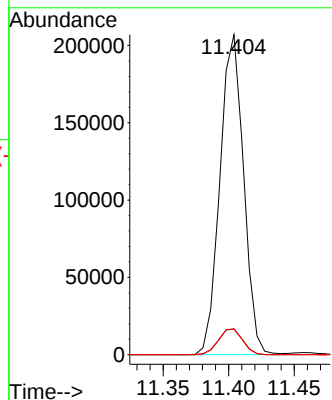
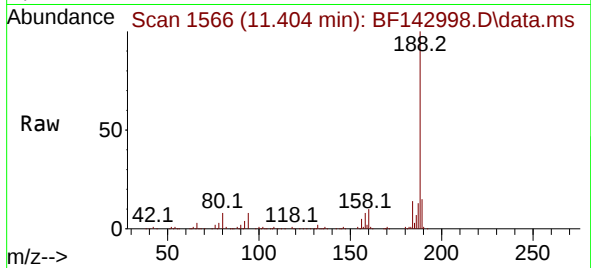




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

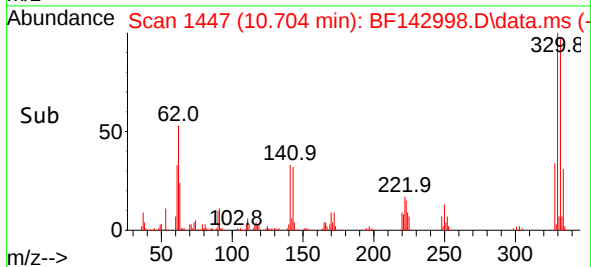
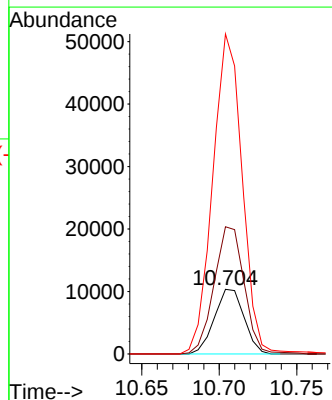
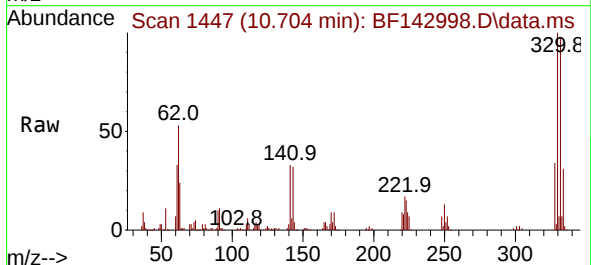
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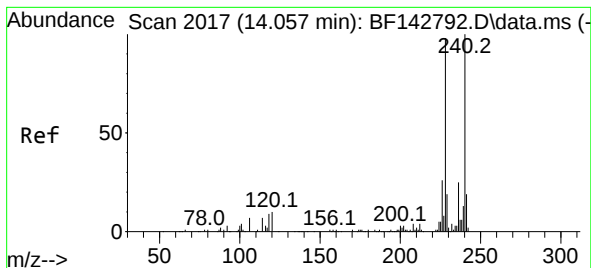
Tgt Ion:188 Resp: 259289
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.0 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.676 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.253 min
Lab File: BF142998.D
Acq: 03 Jul 2025 15:58

Tgt Ion:248 Resp: 13798
Ion Ratio Lower Upper
248 100
250 196.8 79.8 119.8#
141 495.1 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: BF142998.D

Acq: 03 Jul 2025 15:58

Instrument :

BNA_F

ClientSampleId :

FB-06272025

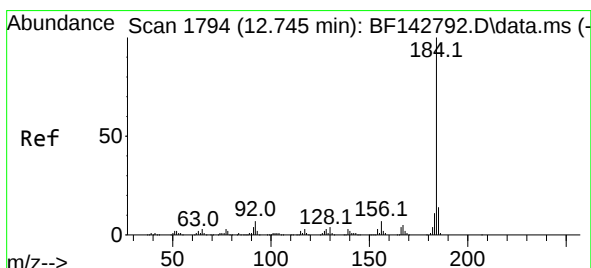
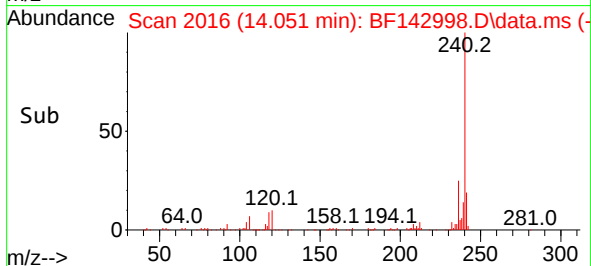
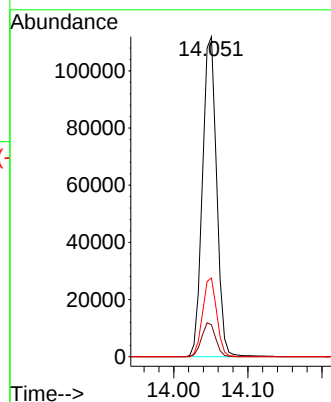
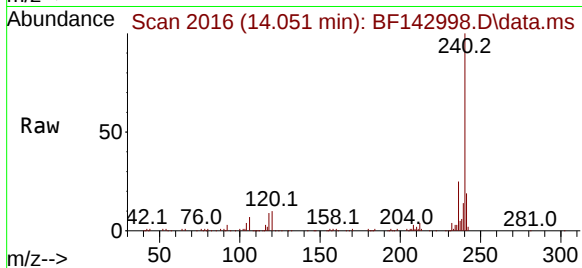
Tgt Ion:240 Resp: 148740

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 24.6 19.8 29.8



#77

Benzidine

Concen: 2.069 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142998.D

Acq: 03 Jul 2025 15:58

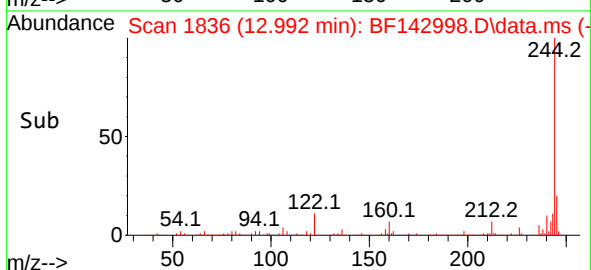
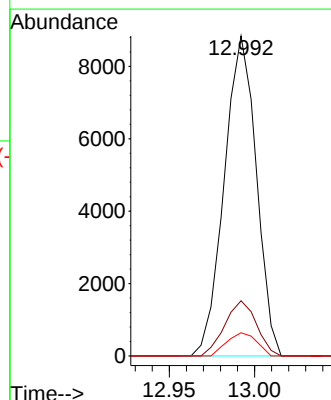
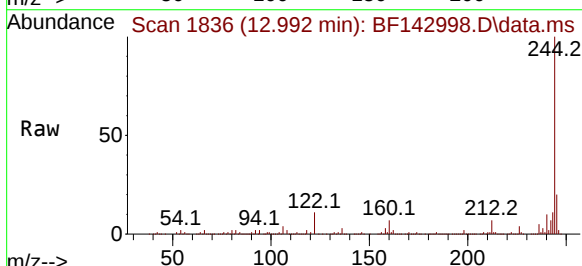
Tgt Ion:184 Resp: 11561

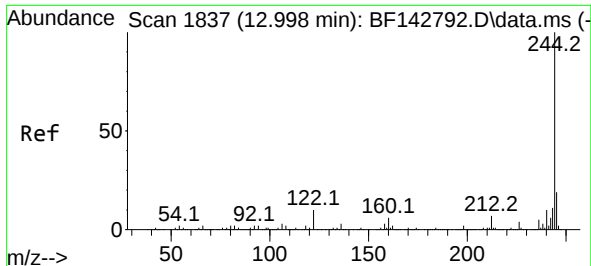
Ion Ratio Lower Upper

184 100

185 17.3 11.5 17.3

183 7.3 9.0 13.4#

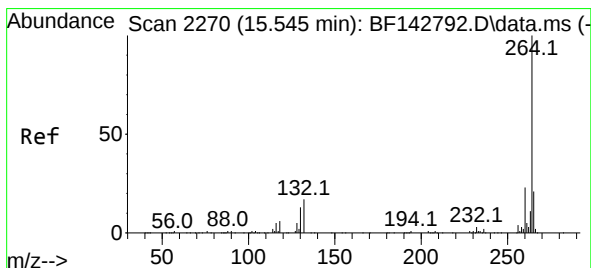
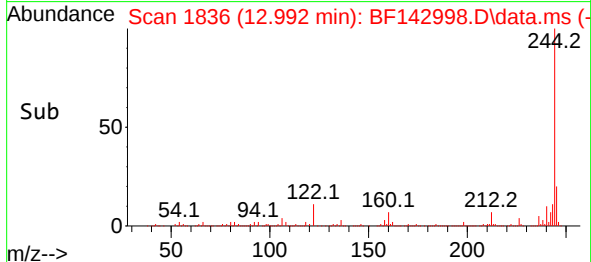
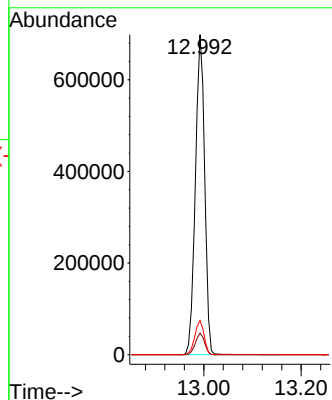
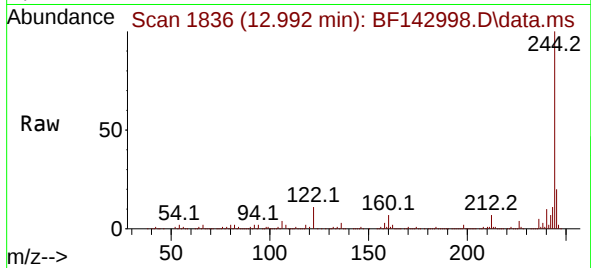




#79
 Terphenyl-d14
 Concen: 86.375 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142998.D
 Acq: 03 Jul 2025 15:58

Instrument :
 BNA_F
 ClientSampleId :
 FB-06272025

Tgt Ion:244 Resp: 929825
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.6 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: BF142998.D
 Acq: 03 Jul 2025 15:58

Tgt Ion:264 Resp: 177122
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.1 27.1
 265 21.4 16.6 25.0

