

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143754.D
 Acq On : 15 Sep 2025 16:20
 Operator : RC/JU
 Sample : PB169677TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169677TB

Quant Time: Sep 15 17:56:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

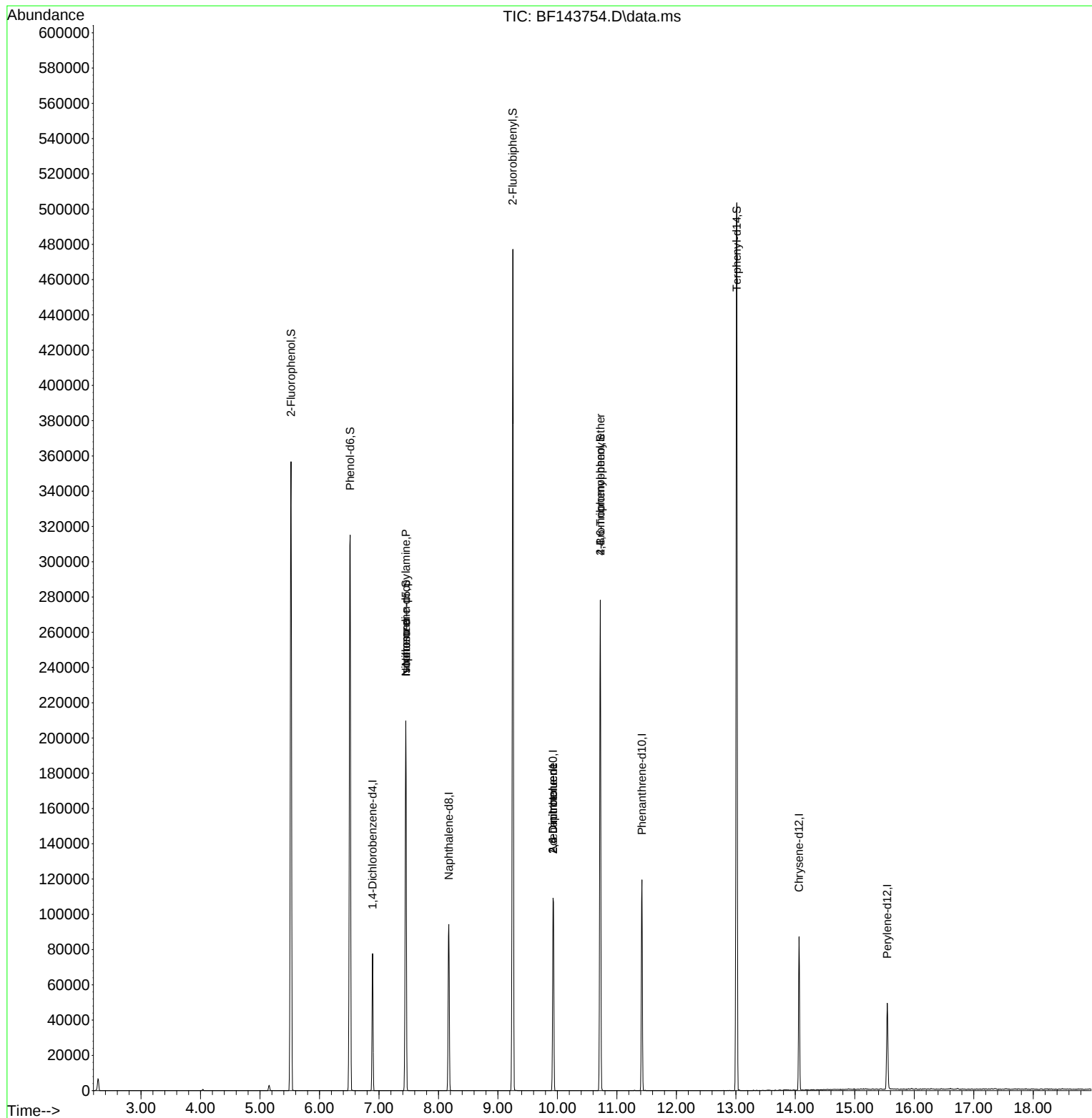
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	17700	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	66317	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	37178	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	65553	20.000	ng	0.01
76) Chrysene-d12	14.063	240	43773	20.000	ng	0.02
86) Perylene-d12	15.545	264	31711	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	153538	147.999	ng	0.02
7) Phenol-d6	6.516	99	183865	145.558	ng	0.01
23) Nitrobenzene-d5	7.451	82	103581	97.152	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	53879	143.804	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	237970	96.692	ng	0.00
79) Terphenyl-d14	13.016	244	273897	101.399	ng	0.02
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	13593	17.521	ng	# 77
25) Isophorone	7.451	82	103219	50.488	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	4666	10.089	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	4666	7.413	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	3540	4.478	ng	# 1

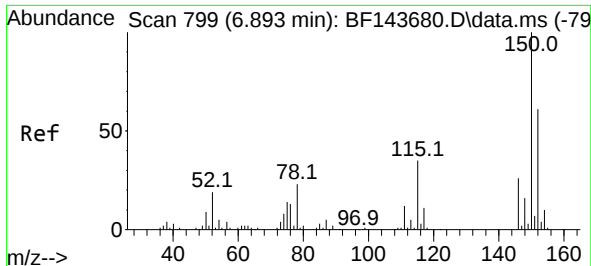
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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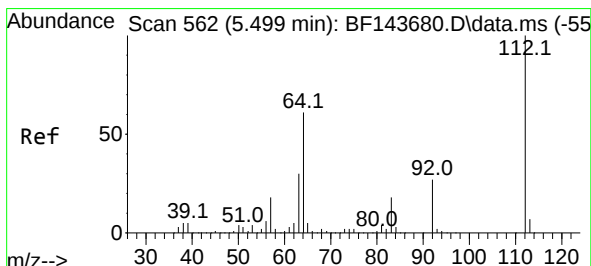
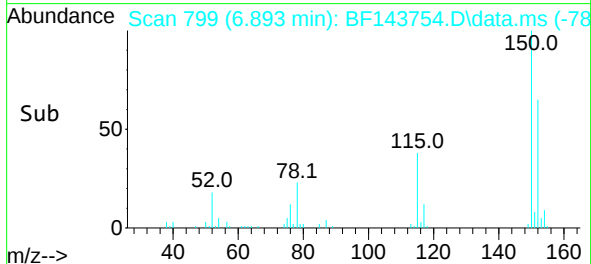
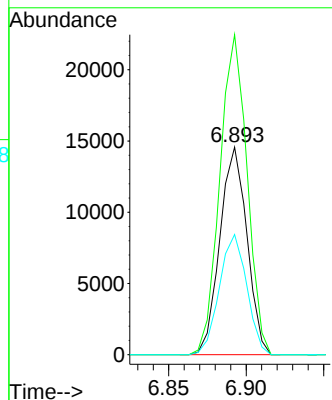
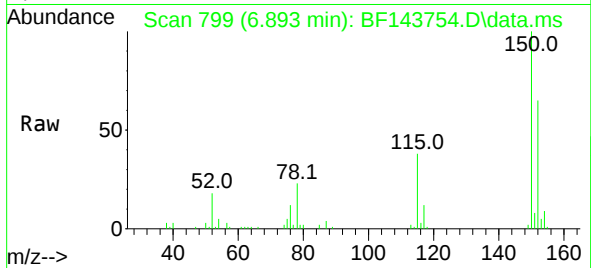




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: BF143754.D
 Acq: 15 Sep 2025 16:20

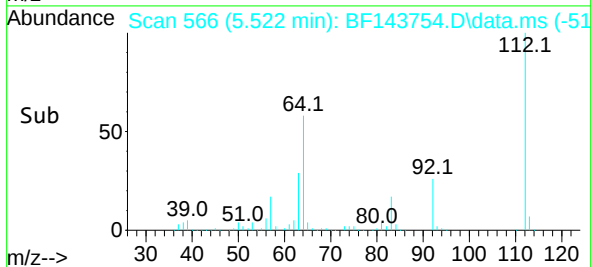
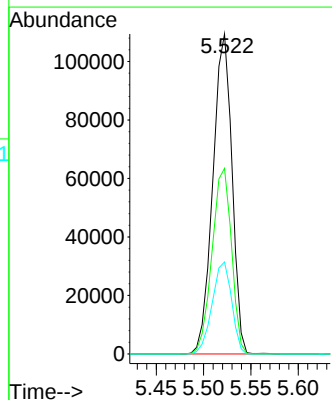
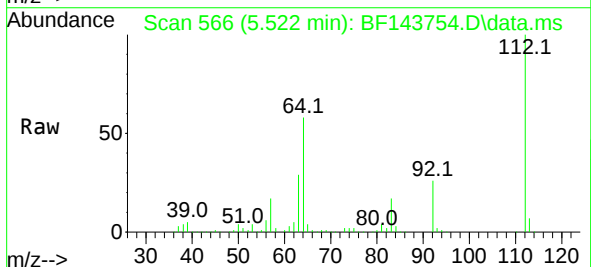
Instrument :
 BNA_F
 ClientSampleId :
 PB169677TB

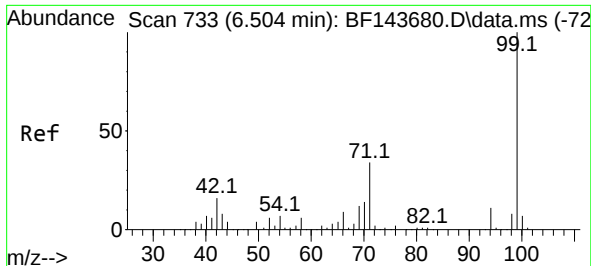
Tgt Ion:152 Resp: 17700
 Ion Ratio Lower Upper
 152 100
 150 154.2 130.7 196.1
 115 57.9 45.9 68.9



#5
 2-Fluorophenol
 Concen: 147.999 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.023 min
 Lab File: BF143754.D
 Acq: 15 Sep 2025 16:20

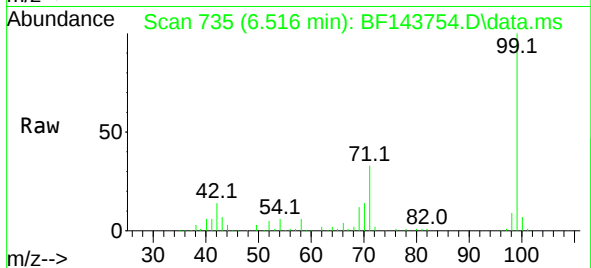
Tgt Ion:112 Resp: 153538
 Ion Ratio Lower Upper
 112 100
 64 58.0 49.0 73.4
 63 28.7 24.3 36.5



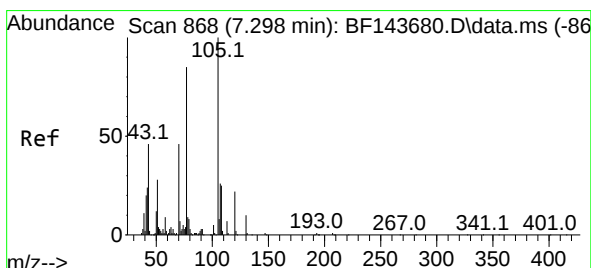
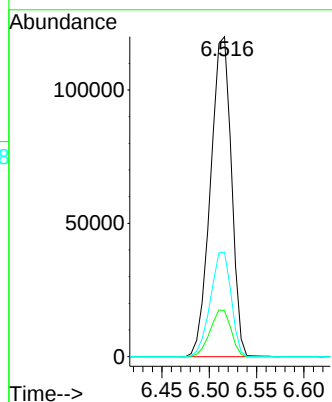
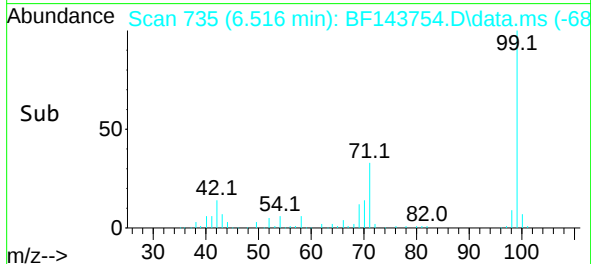


#7
Phenol-d6
Concen: 145.558 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

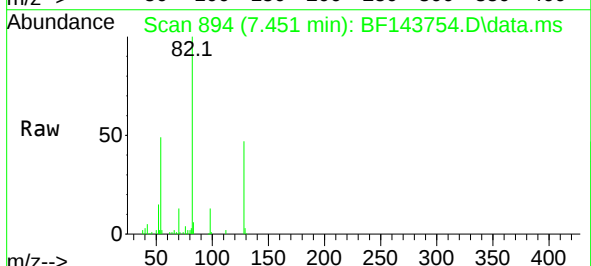
Instrument :
BNA_F
ClientSampleId :
PB169677TB



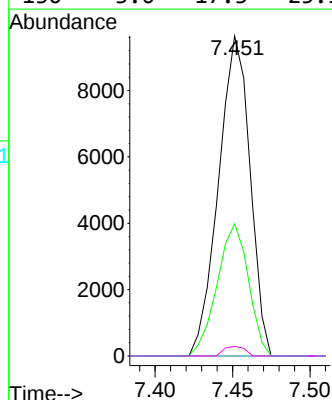
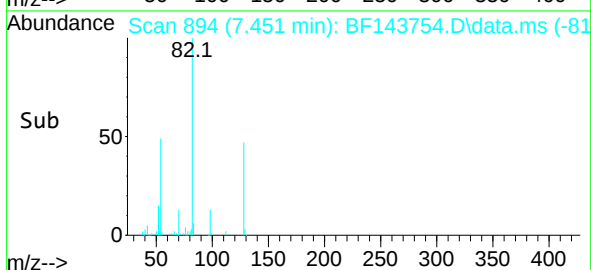
Tgt Ion: 99 Resp: 183865
Ion Ratio Lower Upper
99 100
42 14.4 13.0 19.4
71 32.7 27.4 41.2

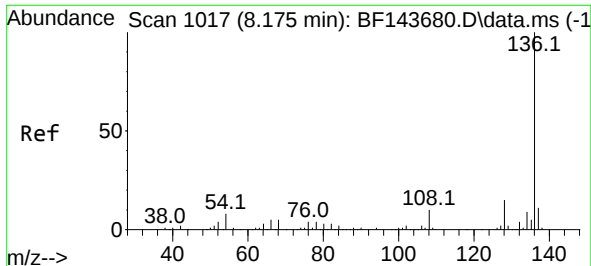


#19
n-Nitroso-di-n-propylamine
Concen: 17.521 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20



Tgt Ion: 70 Resp: 13593
Ion Ratio Lower Upper
70 100
42 41.3 41.4 62.2#
101 0.0 8.1 12.1#
130 3.0 17.3 25.9#





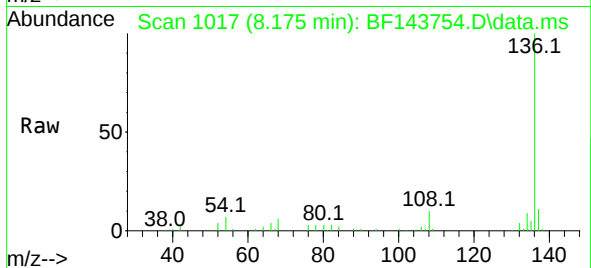
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

Instrument :

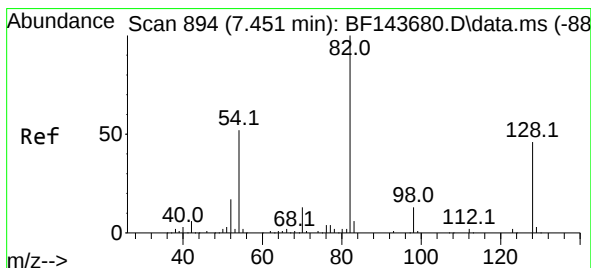
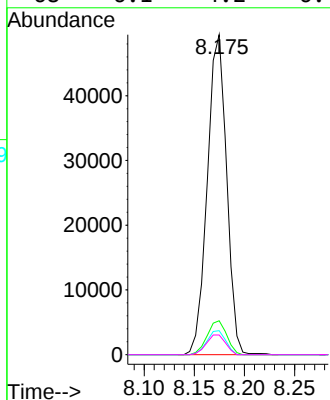
BNA_F

ClientSampleId :

PB169677TB

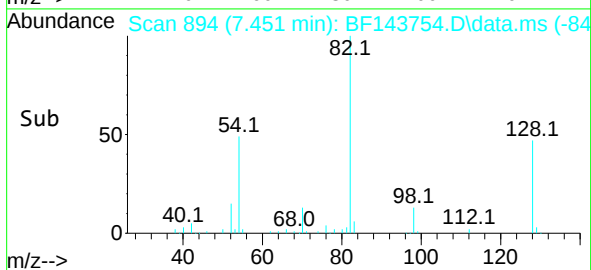
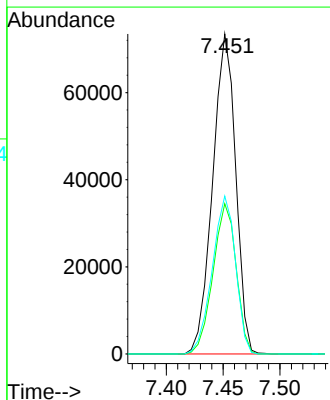
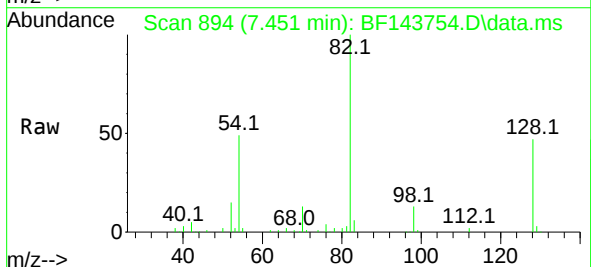


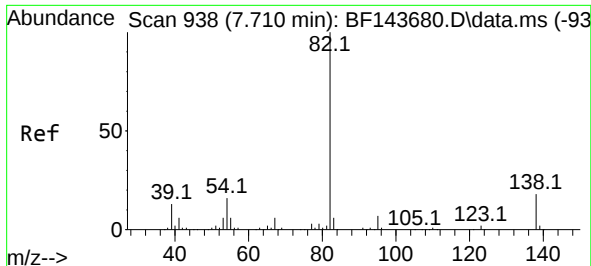
Tgt Ion:136 Resp: 66317
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 7.5 6.2 9.2
68 6.1 4.2 6.4



#23
Nitrobenzene-d5
Concen: 97.152 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

Tgt Ion: 82 Resp: 103581
Ion Ratio Lower Upper
82 100
128 47.0 37.0 55.4
54 49.3 41.8 62.8

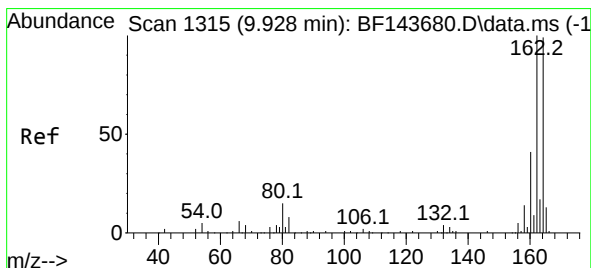
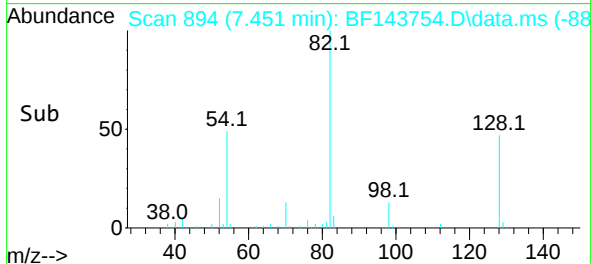
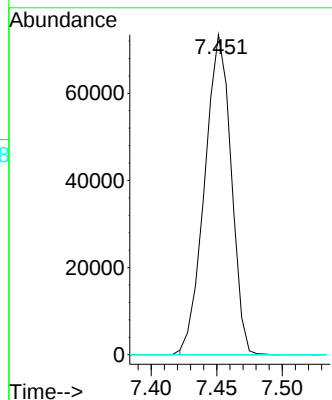
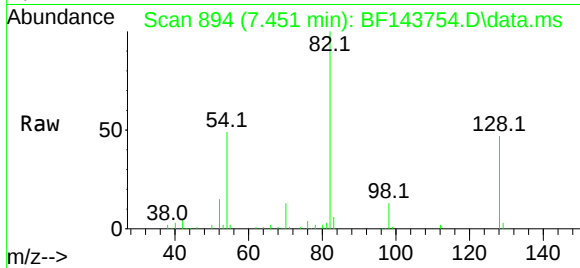




#25
Isophorone
Concen: 50.488 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

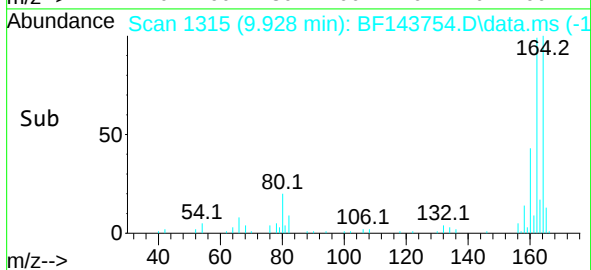
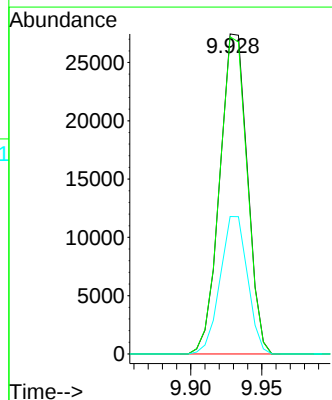
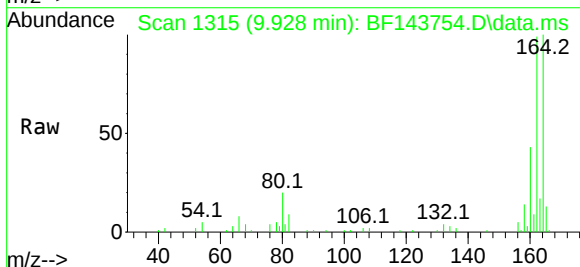
Instrument :
BNA_F
ClientSampleId :
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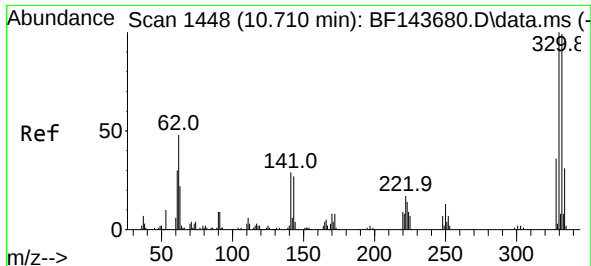
Tgt Ion: 82 Resp: 103219
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

Tgt Ion:164 Resp: 37178
Ion Ratio Lower Upper
164 100
162 99.1 80.6 121.0
160 43.0 33.0 49.4

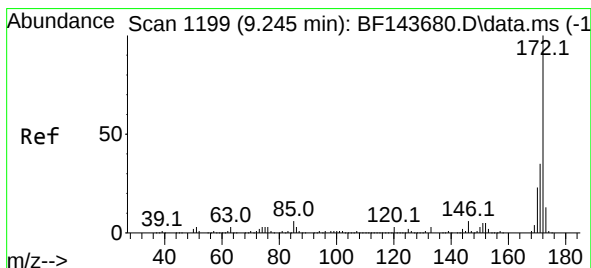
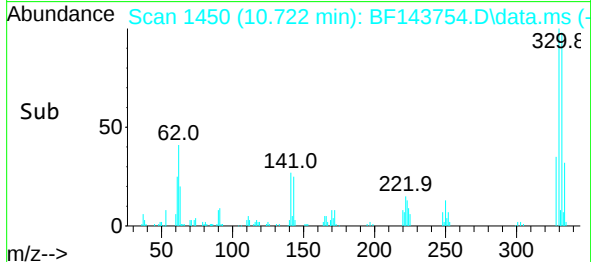
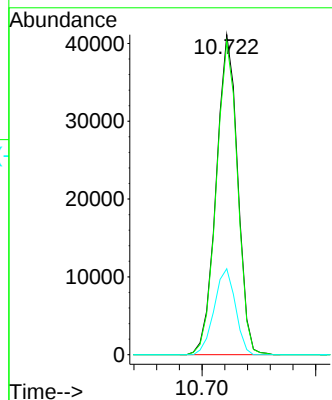
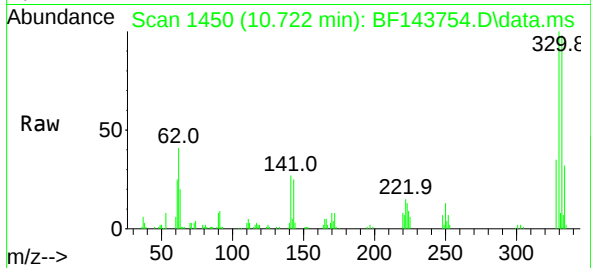




#42
2,4,6-Tribromophenol
Concen: 143.804 ng
RT: 10.722 min Scan# 1448
Delta R.T. 0.012 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

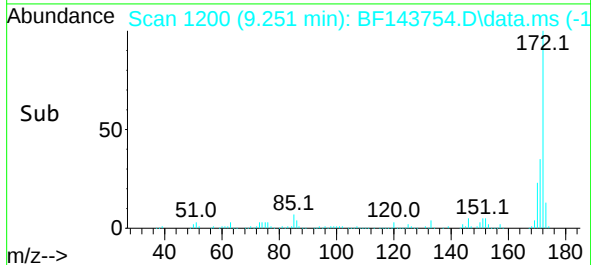
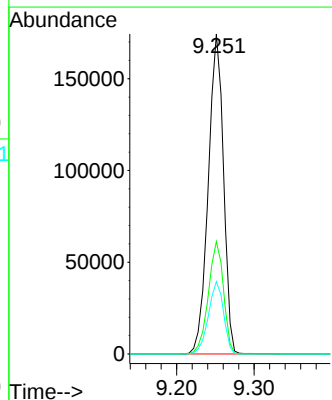
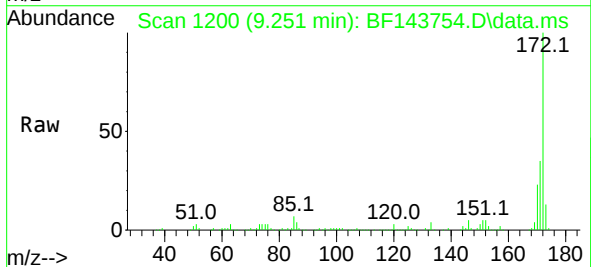
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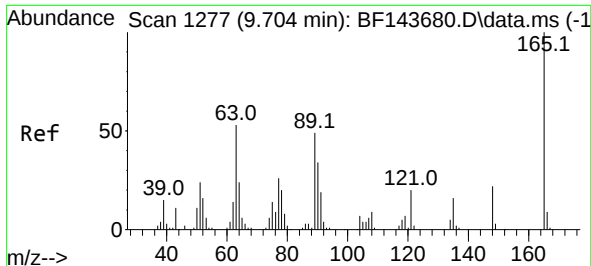
Tgt Ion:330 Resp: 53879
Ion Ratio Lower Upper
330 100
332 97.1 79.2 118.8
141 26.5 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 96.692 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

Tgt Ion:172 Resp: 237970
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 22.6 18.6 27.8

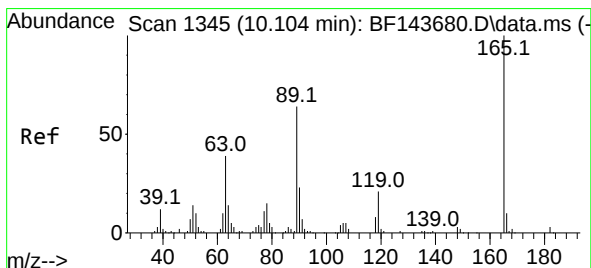
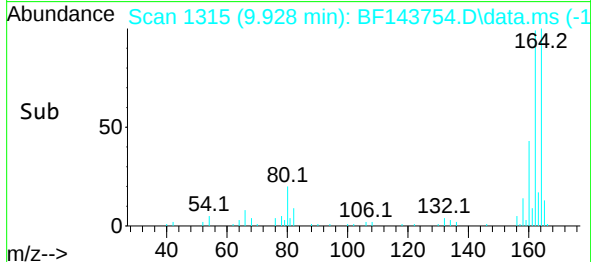
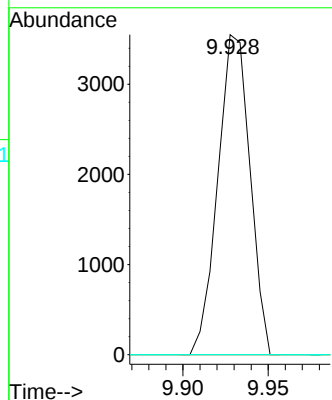
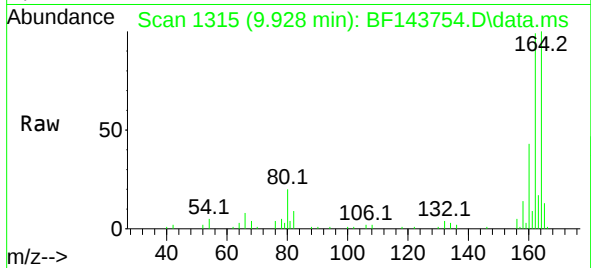




#51
2,6-Dinitrotoluene
Concen: 10.089 ng
RT: 9.928 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

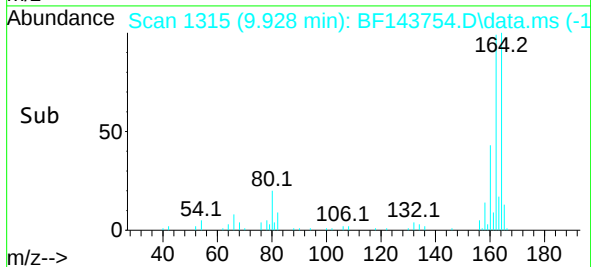
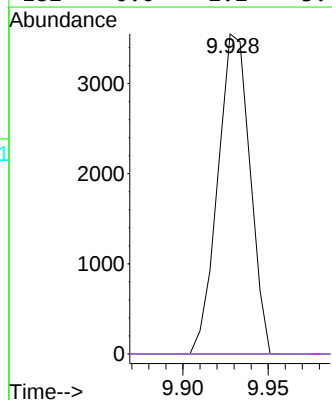
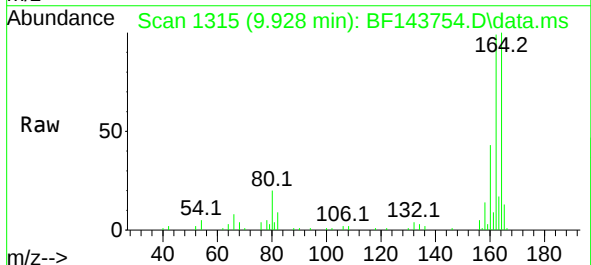
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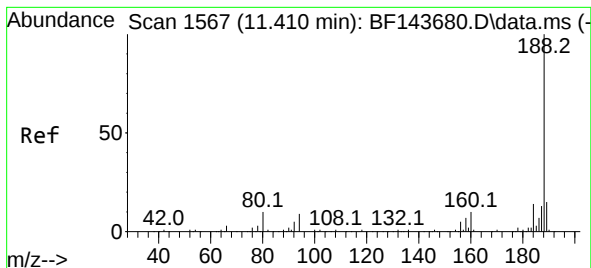
Tgt Ion:165 Resp: 4666
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#



#57
2,4-Dinitrotoluene
Concen: 7.413 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.177 min
Lab File: BF143754.D
Acq: 15 Sep 2025 16:20

Tgt Ion:165 Resp: 4666
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143754.D

Acq: 15 Sep 2025 16:20

Instrument :

BNA_F

ClientSampleId :

PB169677TB

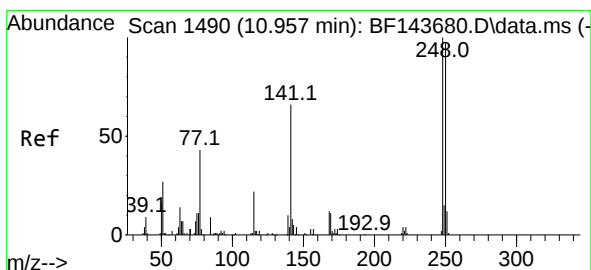
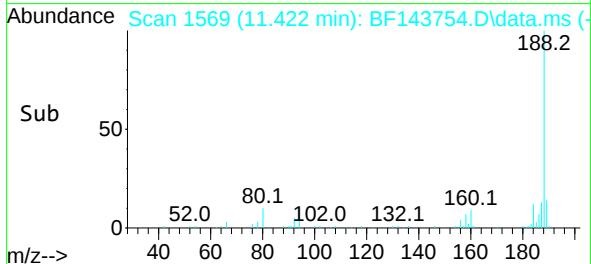
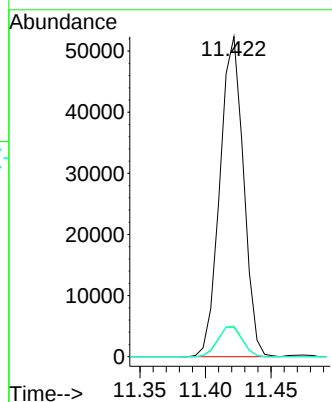
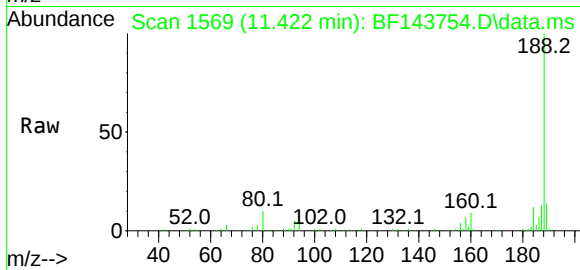
Tgt Ion:188 Resp: 65553

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.0

80 9.6 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.478 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.235 min

Lab File: BF143754.D

Acq: 15 Sep 2025 16:20

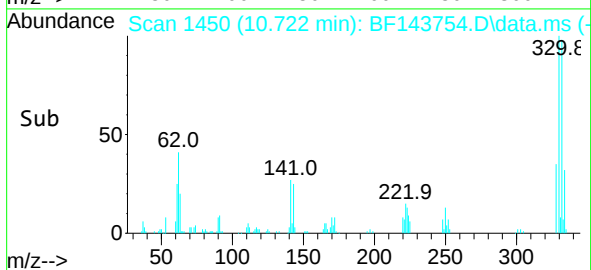
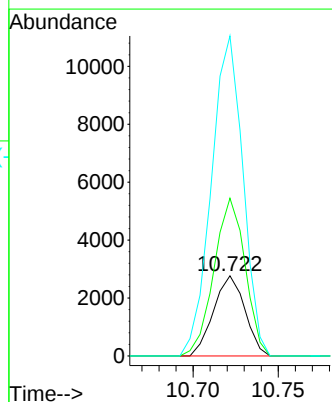
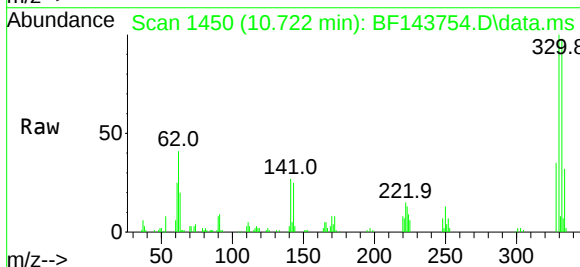
Tgt Ion:248 Resp: 3540

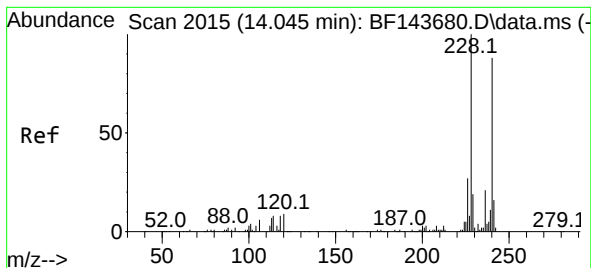
Ion Ratio Lower Upper

248 100

250 196.9 77.5 116.3#

141 399.3 52.6 79.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143754.D

Acq: 15 Sep 2025 16:20

Instrument :

BNA_F

ClientSampleId :

PB169677TB

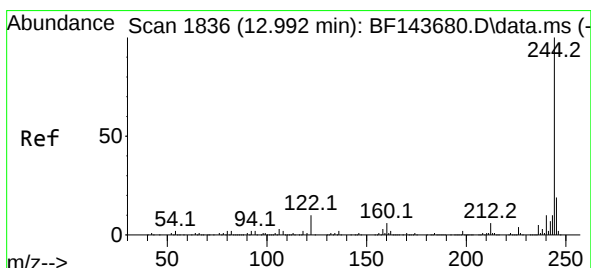
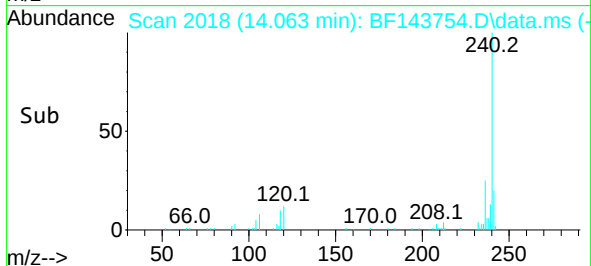
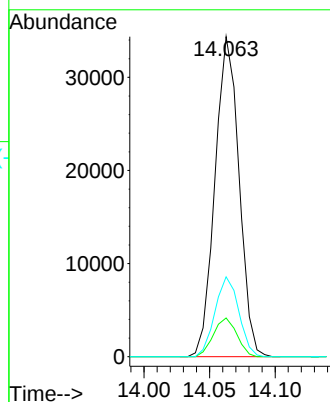
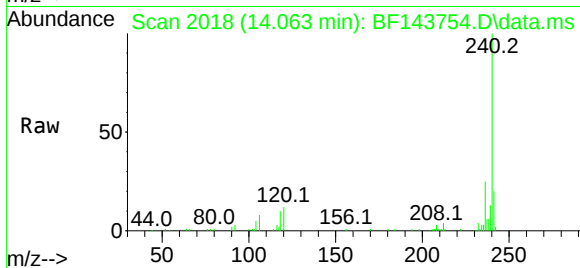
Tgt Ion:240 Resp: 43773

Ion Ratio Lower Upper

240 100

120 12.1 8.4 12.6

236 25.0 18.6 28.0



#79

Terphenyl-d14

Concen: 101.399 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.023 min

Lab File: BF143754.D

Acq: 15 Sep 2025 16:20

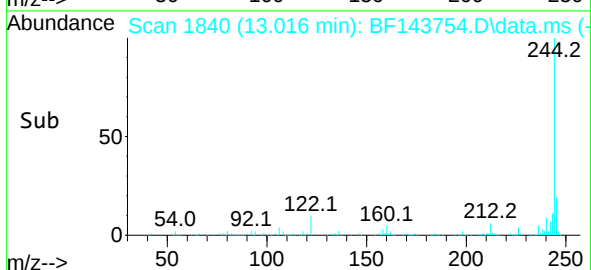
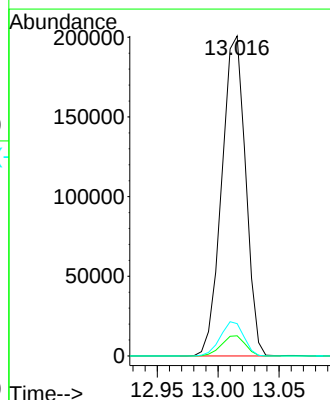
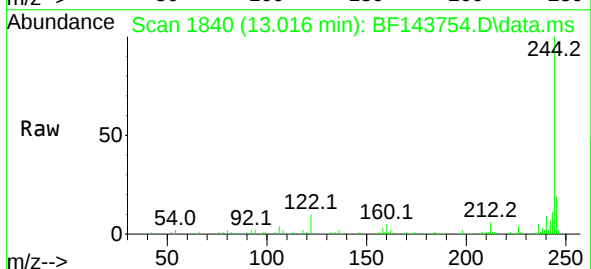
Tgt Ion:244 Resp: 273897

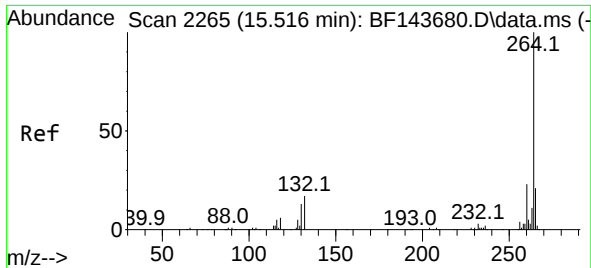
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.6

122 10.1 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BF143754.D
 Acq: 15 Sep 2025 16:20

Instrument :
 BNA_F
 ClientSampleId :
 PB169677TB

Tgt Ion:264	Resp:	31711
Ion Ratio	Lower	Upper
264	100	
260	21.8	18.4 27.6
265	21.3	17.1 25.7

