

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144083.D
 Acq On : 27 Oct 2025 15:03
 Operator : RC/JU
 Sample : Q3412-04RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Oct 27 15:24:39 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)

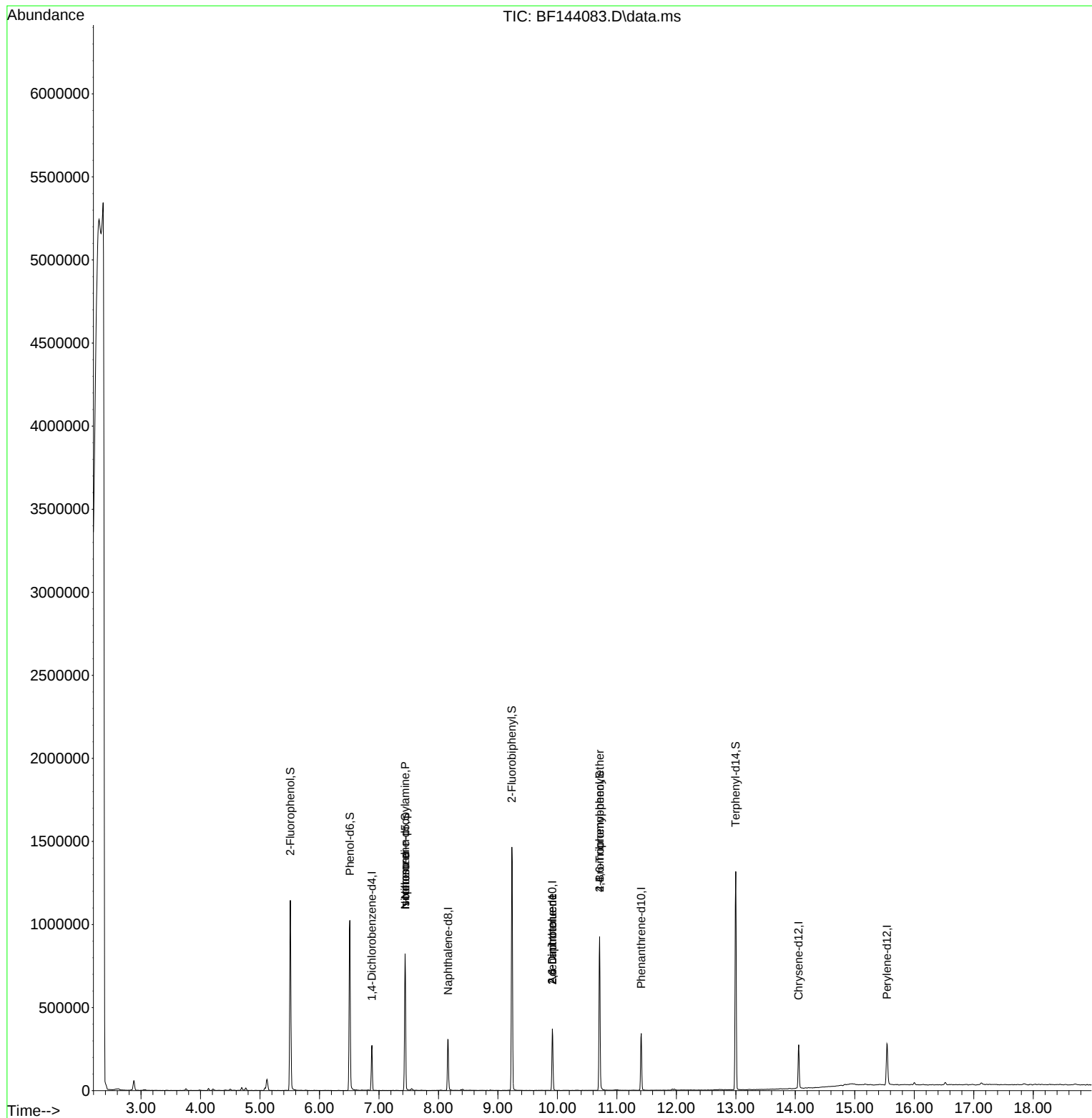
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53949	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	208326	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	114680	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	193703	20.000	ng	0.00
76) Chrysene-d12	14.057	240	140640	20.000	ng	0.00
86) Perylene-d12	15.539	264	173549	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	416825	122.238	ng	0.02
7) Phenol-d6	6.510	99	429817	114.133	ng	0.00
23) Nitrobenzene-d5	7.440	82	343425	90.316	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	188915	129.323	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	691154	84.810	ng	0.00
79) Terphenyl-d14	12.998	244	689888	85.756	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	51416	21.113	ng	# 72
25) Isophorone	7.440	82	339634	51.089	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	14781	9.946	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	14781	7.370	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	10941	4.511	ng	# 1

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

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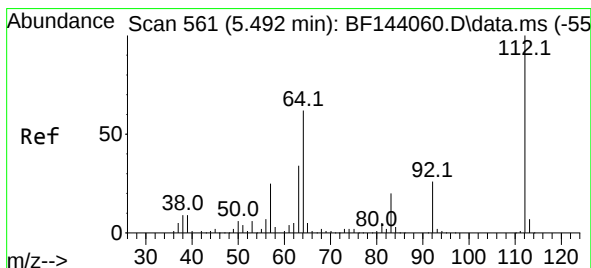
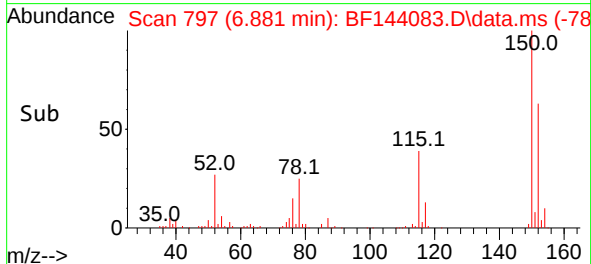
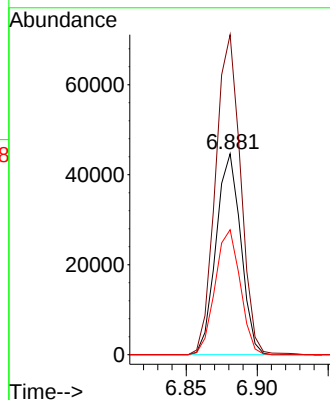
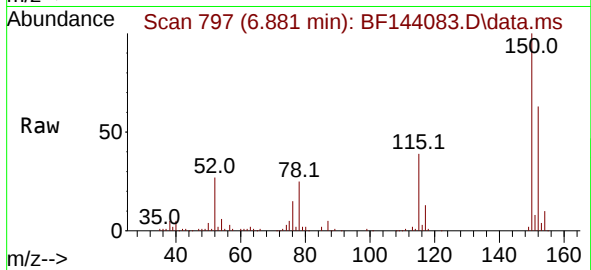




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

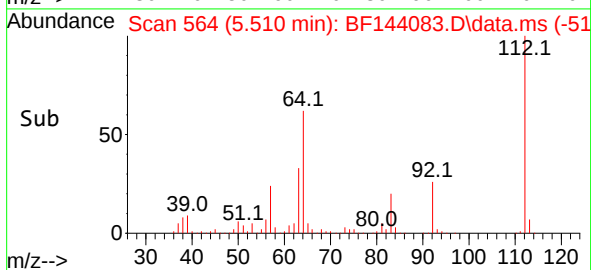
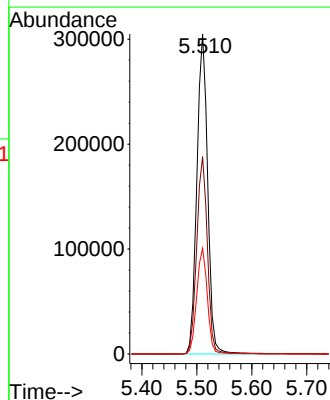
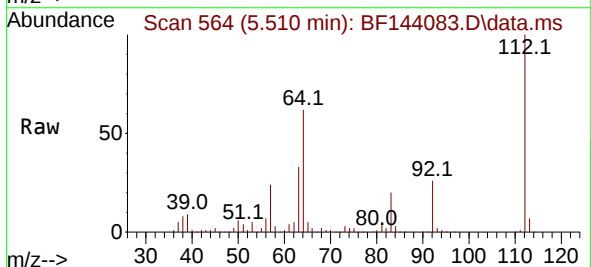
Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 53949
Ion Ratio Lower Upper
152 100
150 159.3 124.4 186.6
115 62.2 49.4 74.0



#5
2-Fluorophenol
Concen: 122.238 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Tgt Ion:112 Resp: 416825
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 33.0 27.4 41.2





#7

Phenol-d6

Concen: 114.133 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-6

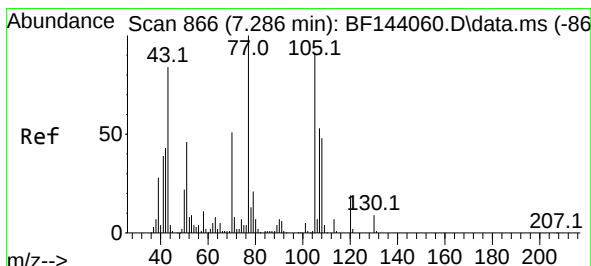
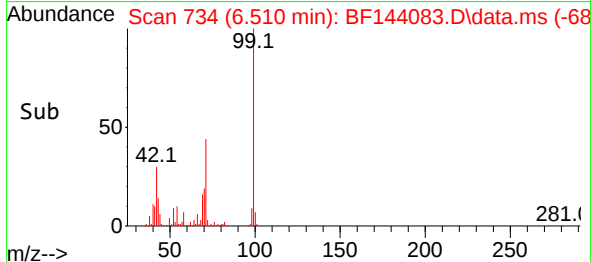
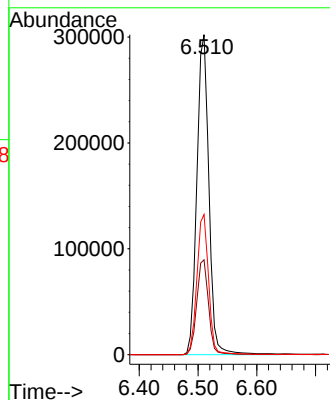
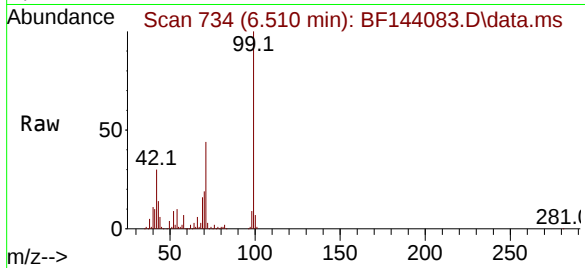
Tgt Ion: 99 Resp: 429817

Ion Ratio Lower Upper

99 100

42 29.7 23.9 35.9

71 43.8 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 21.113 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.153 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

Tgt Ion: 70 Resp: 51416

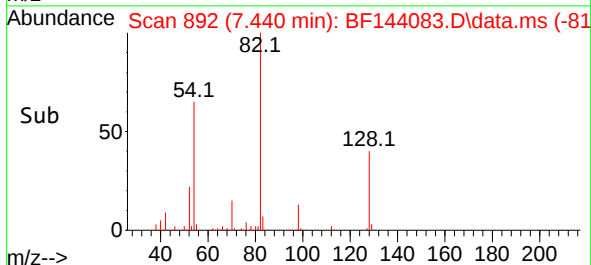
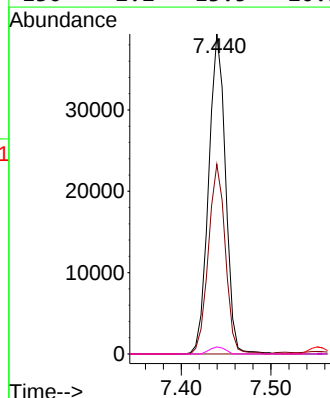
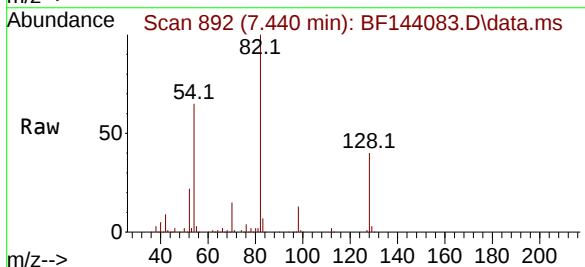
Ion Ratio Lower Upper

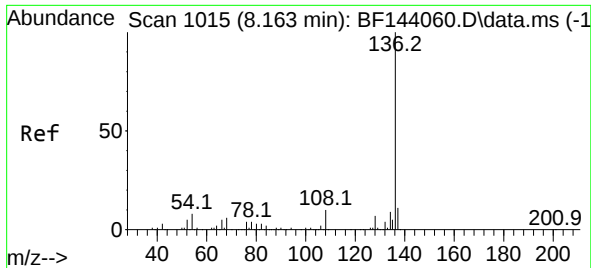
70 100

42 59.2 67.4 101.0#

101 0.0 7.1 10.7#

130 2.2 13.5 20.3#



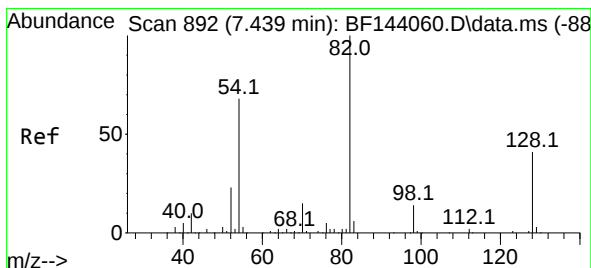
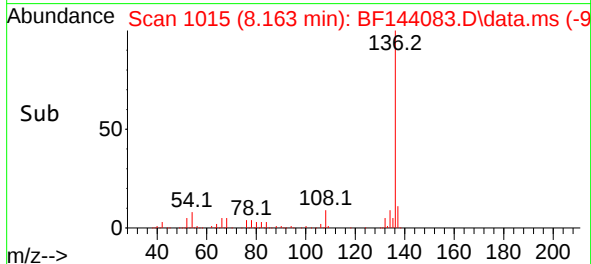
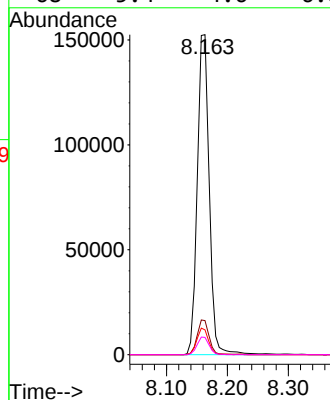
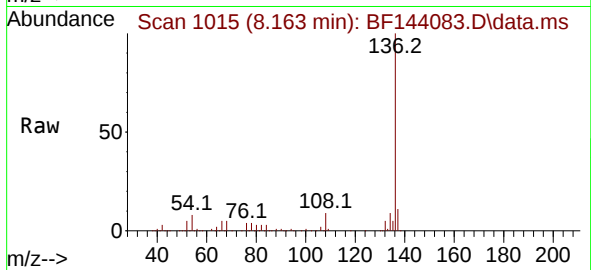


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:136 Resp: 208326

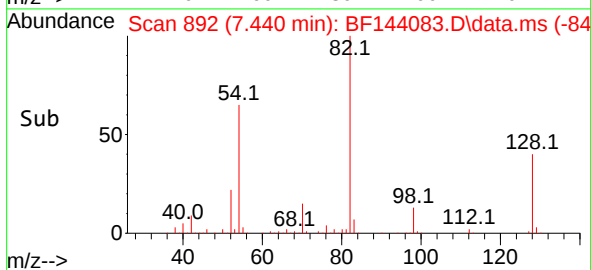
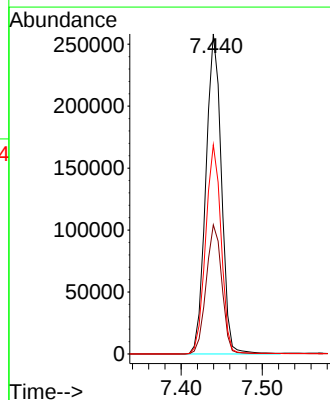
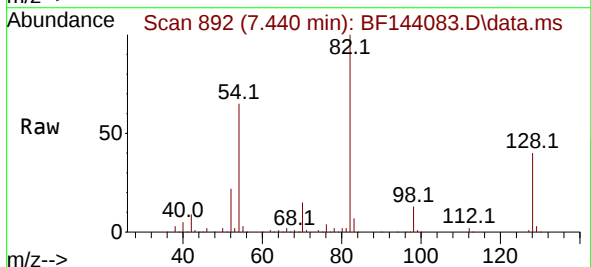
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.7	6.6	9.8
68	5.4	4.6	6.8

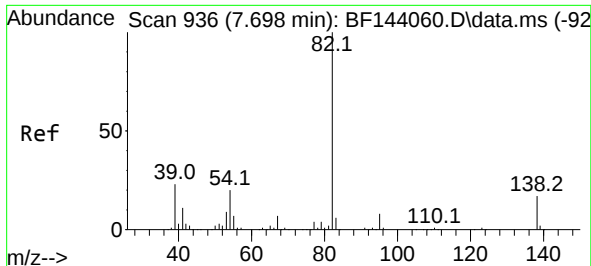


#23
Nitrobenzene-d5
Concen: 90.316 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Tgt Ion: 82 Resp: 343425

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.4	48.6
54	65.4	54.0	81.0

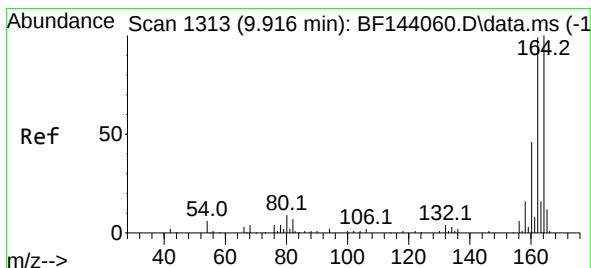
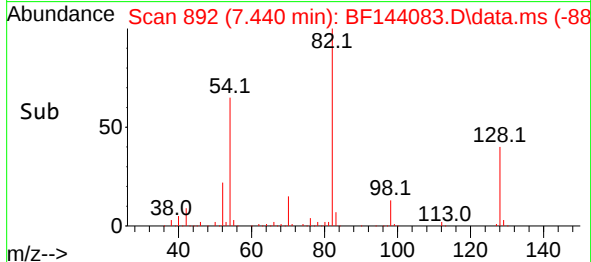
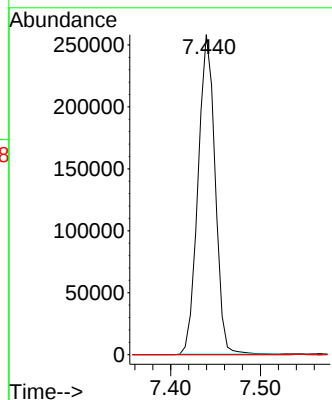
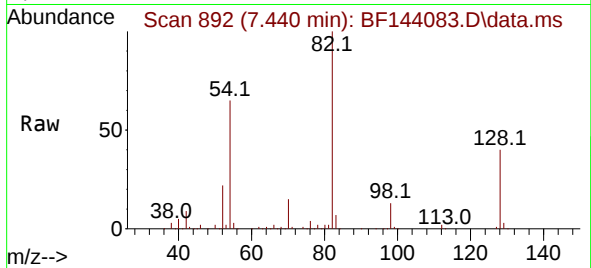




#25
Isophorone
Concen: 51.089 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

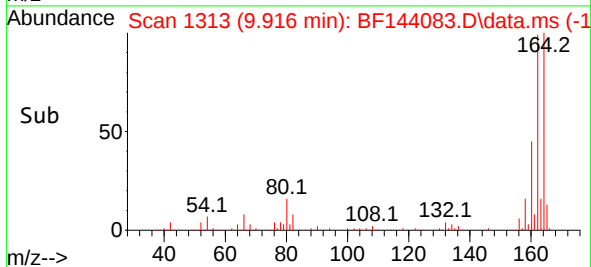
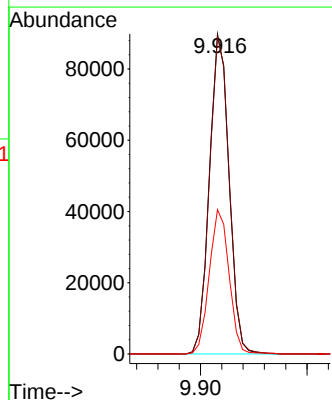
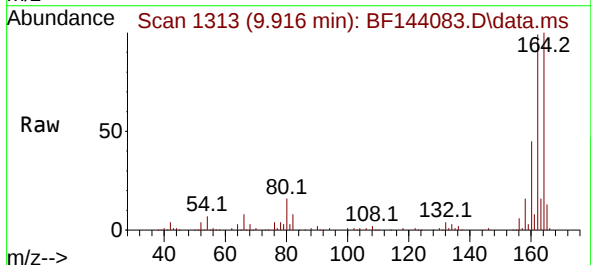
Instrument :
BNA_F
ClientSampleId :
TP-6

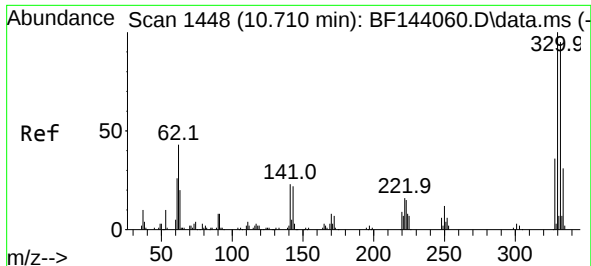
Tgt Ion: 82 Resp: 339634
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Tgt Ion:164 Resp: 114680
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 45.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 129.323 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-6

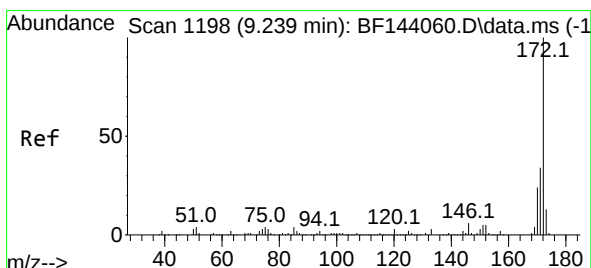
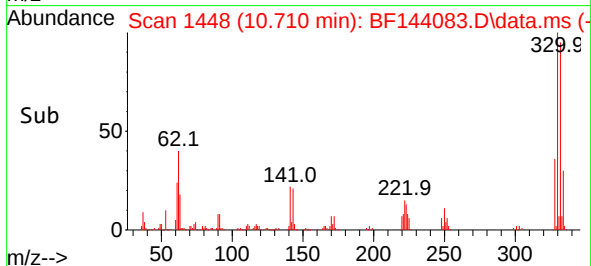
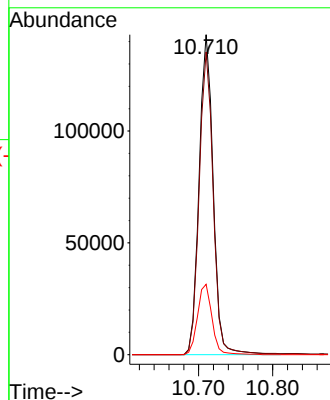
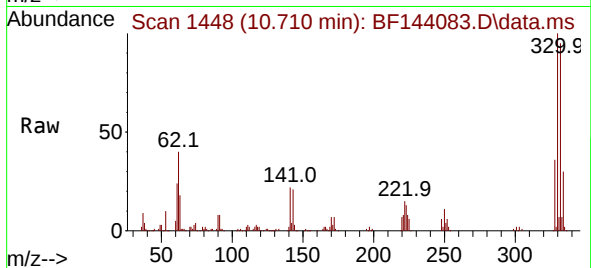
Tgt Ion:330 Resp: 188915

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

141 22.6 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 84.810 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

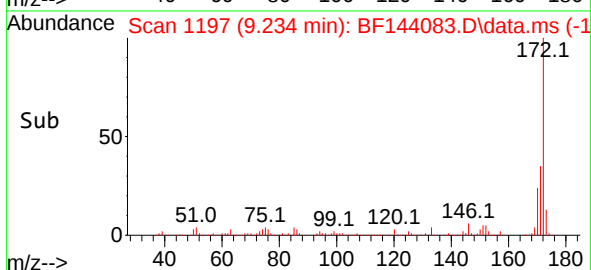
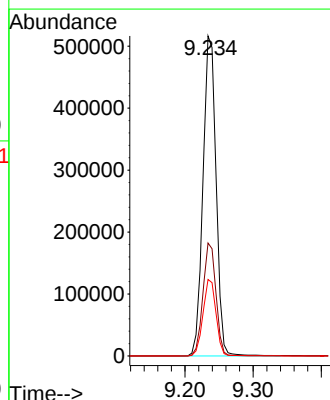
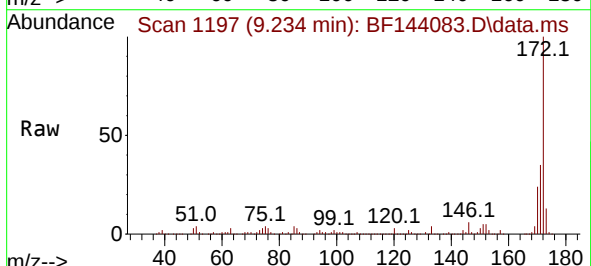
Tgt Ion:172 Resp: 691154

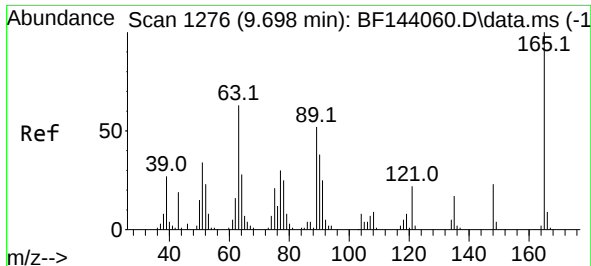
Ion Ratio Lower Upper

172 100

171 35.3 27.5 41.3

170 23.9 19.0 28.6

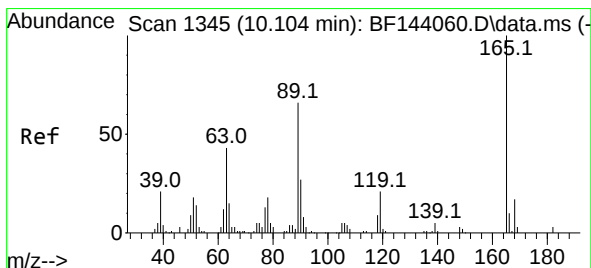
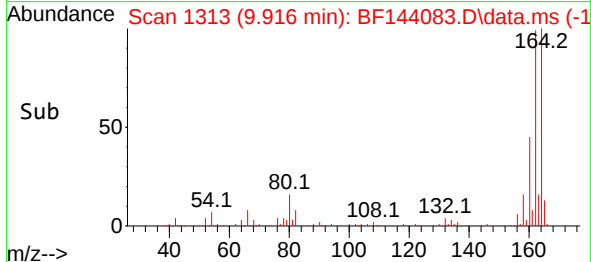
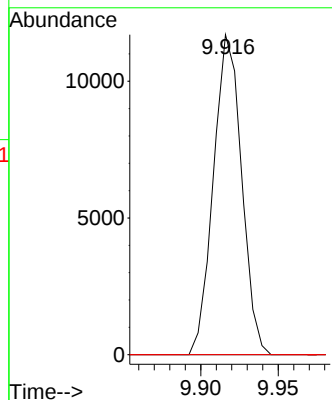
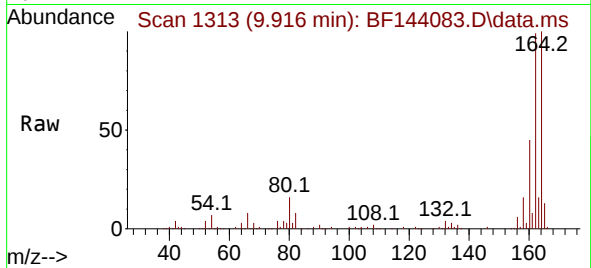




#51
2,6-Dinitrotoluene
Concen: 9.946 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

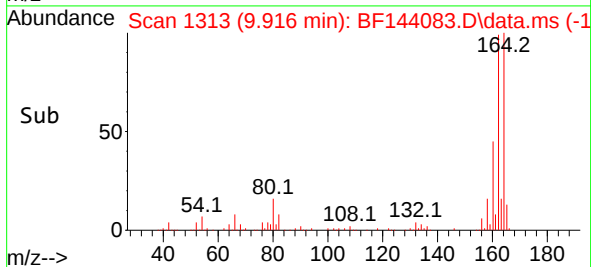
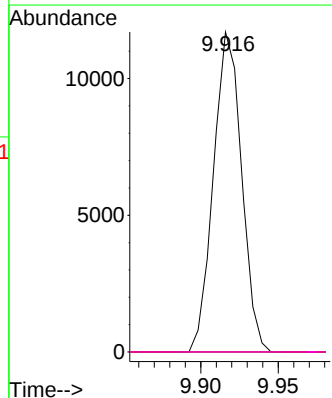
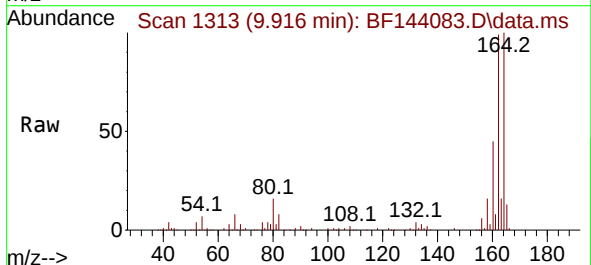
Instrument :
BNA_F
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TP-6

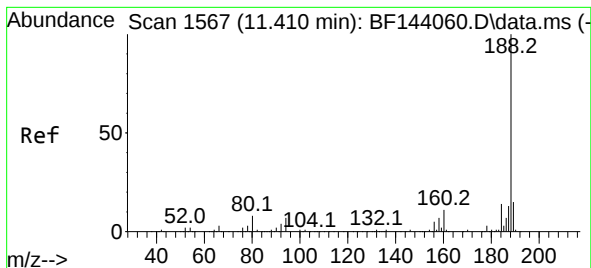
Tgt Ion:165 Resp: 14781
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.370 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Tgt Ion:165 Resp: 14781
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: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-6

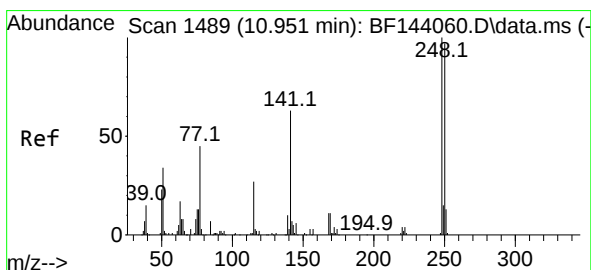
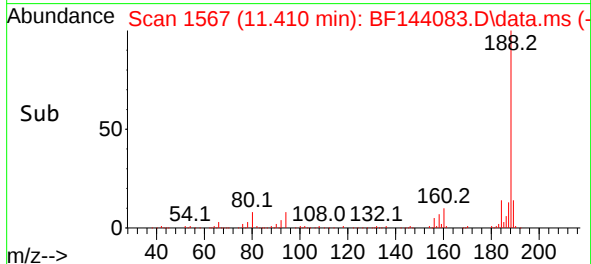
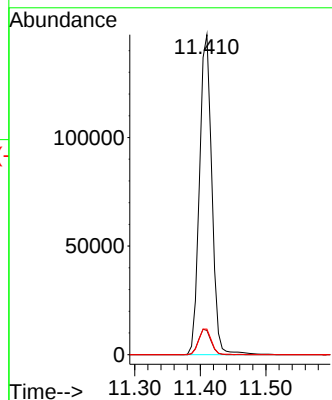
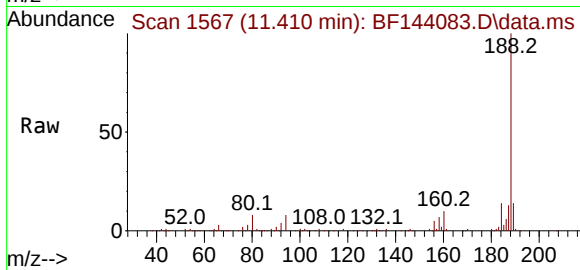
Tgt Ion:188 Resp: 193703

Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.0

80 8.0 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.511 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144083.D

Acq: 27 Oct 2025 15:03

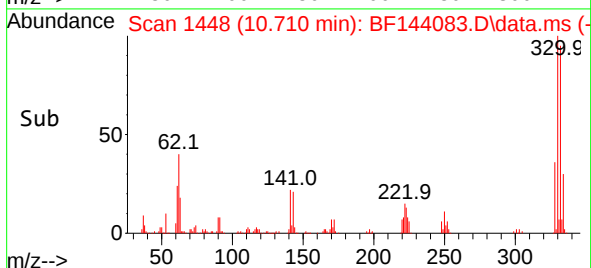
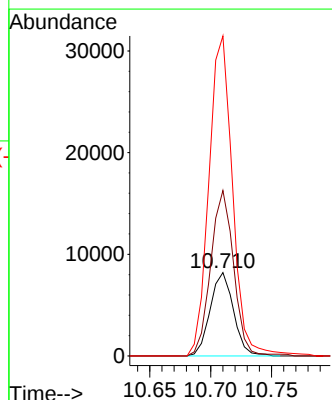
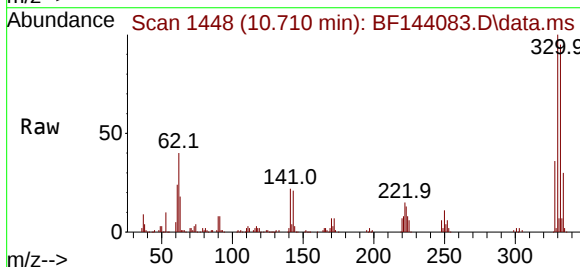
Tgt Ion:248 Resp: 10941

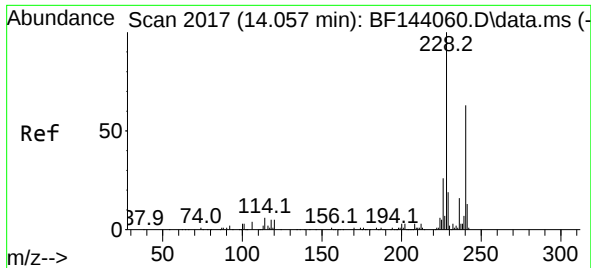
Ion Ratio Lower Upper

248 100

250 198.6 77.8 116.6#

141 384.1 50.5 75.7#

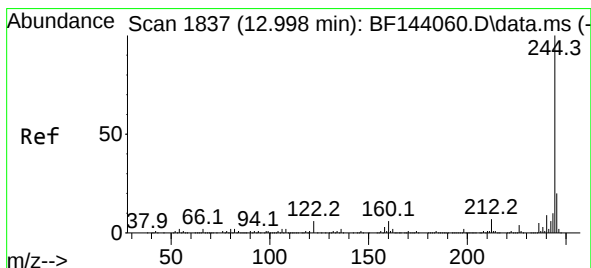
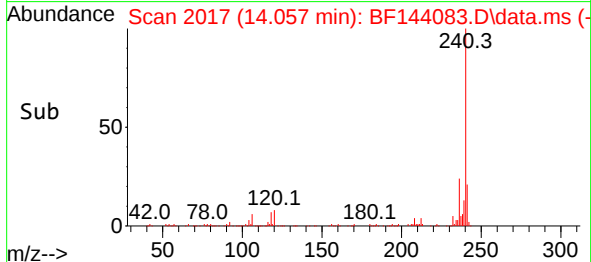
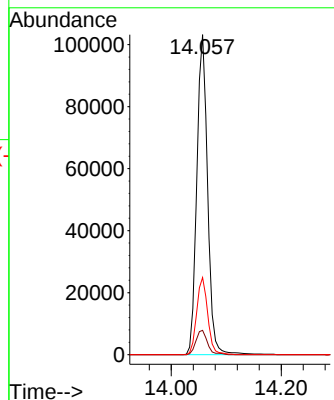
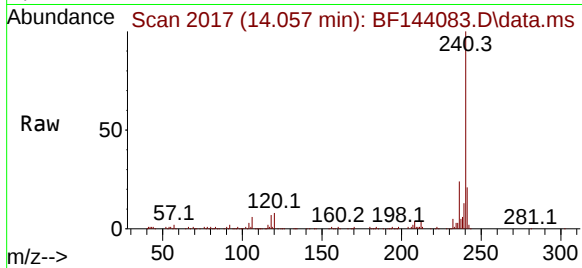




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

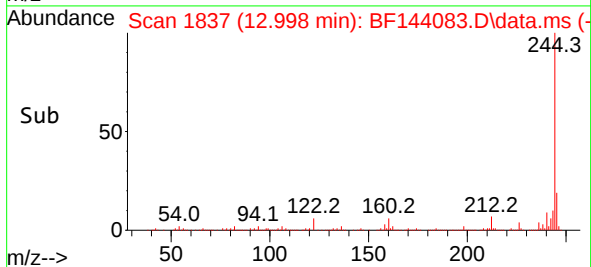
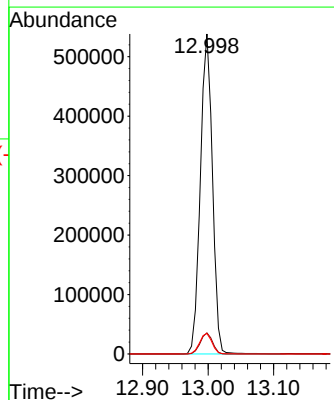
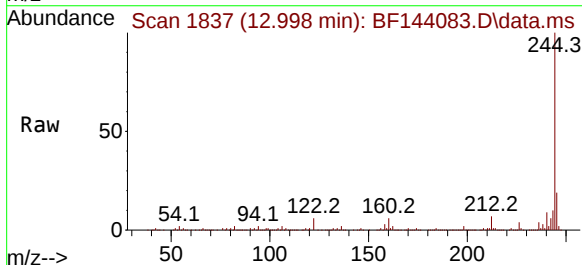
Instrument :
BNA_F
ClientSampleId :
TP-6

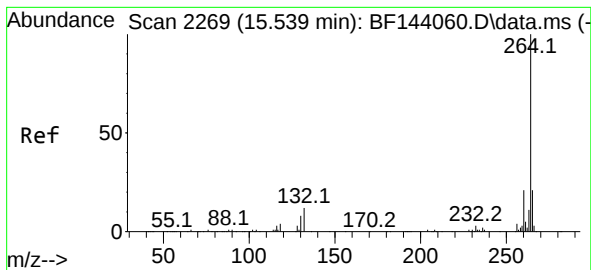
Tgt Ion:240 Resp: 140640
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 24.1 20.1 30.1



#79
Terphenyl-d14
Concen: 85.756 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144083.D
Acq: 27 Oct 2025 15:03

Tgt Ion:244 Resp: 689888
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 6.4 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: BF144083.D

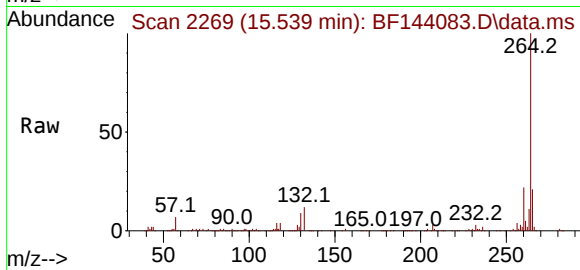
Acq: 27 Oct 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-6



Tgt Ion:264 Resp: 173549

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.4

265 21.1 16.6 24.8

