

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144118.D
 Acq On : 28 Oct 2025 23:39
 Operator : RC/JU
 Sample : Q3451-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Oct 29 05:48:48 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)

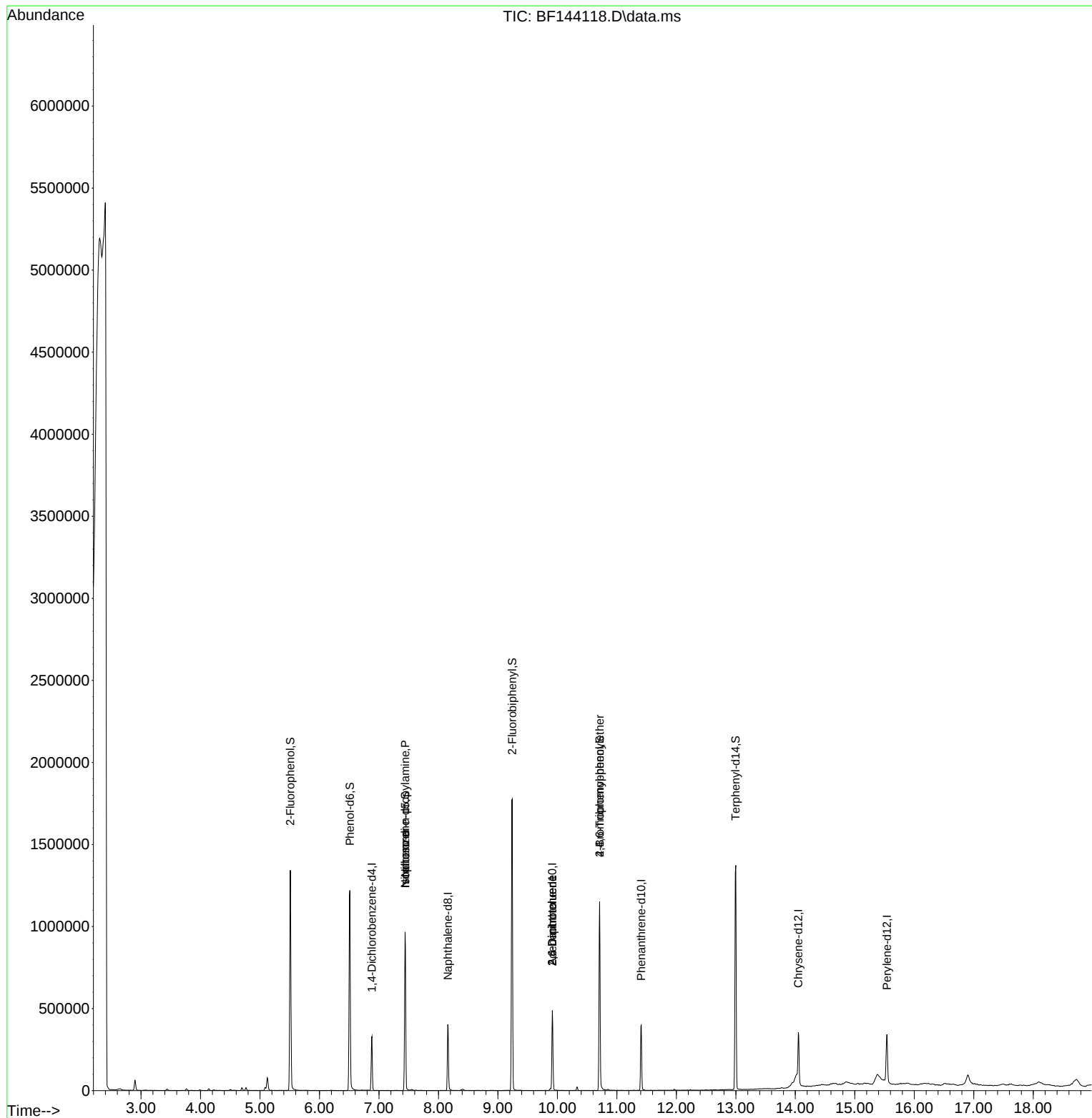
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	66471	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	265195	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	149548	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233932	20.000	ng	0.00
76) Chrysene-d12	14.051	240	156891	20.000	ng	0.00
86) Perylene-d12	15.539	264	198990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	496718	118.226	ng	0.02
7) Phenol-d6	6.510	99	541588	116.721	ng	0.00
23) Nitrobenzene-d5	7.439	82	407272	84.139	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	239006	125.466	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	857017	80.644	ng	0.00
79) Terphenyl-d14	12.998	244	749614	83.529	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	61656	20.548	ng	Qvalue # 75
25) Isophorone	7.439	82	407267	48.125	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	18040	9.309	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	18040	6.898	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	13621	4.650	ng	# 1

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

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Quant Time: Oct 29 05:48:48 2025
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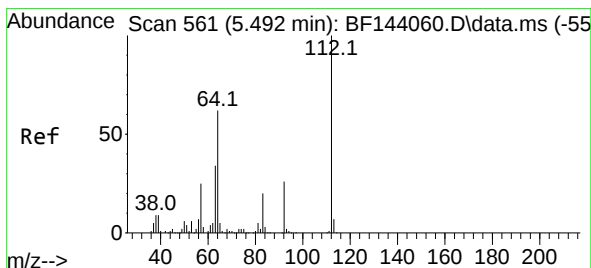
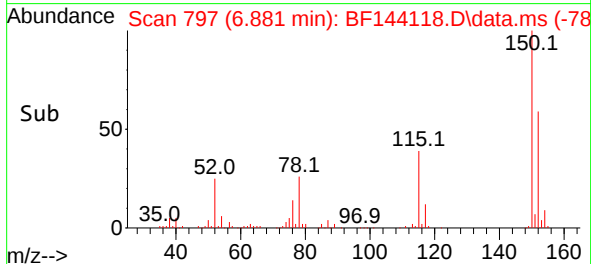
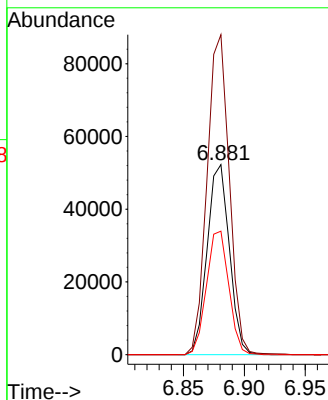
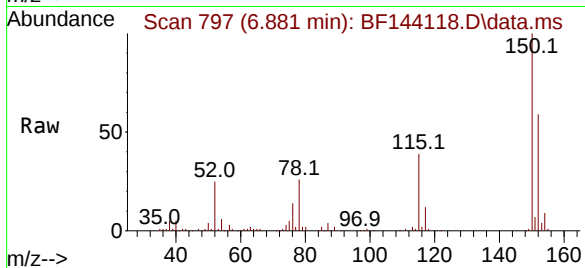




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

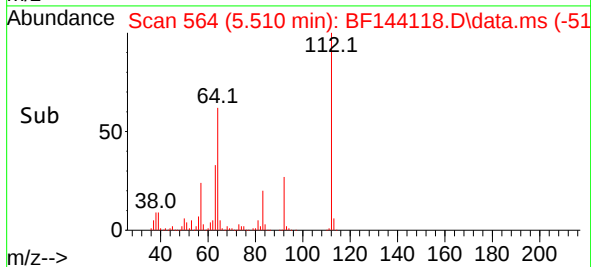
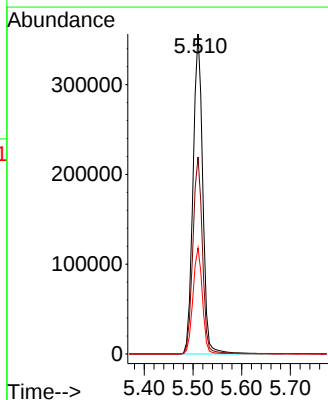
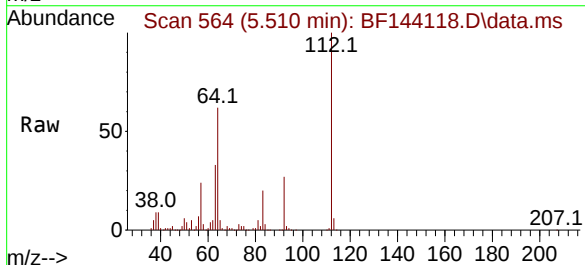
Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:152 Resp: 66471
Ion Ratio Lower Upper
152 100
150 168.3 124.4 186.6
115 65.0 49.4 74.0



#5
2-Fluorophenol
Concen: 118.226 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Tgt Ion:112 Resp: 496718
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 33.2 27.4 41.2





#7
Phenol-d6
Concen: 116.721 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

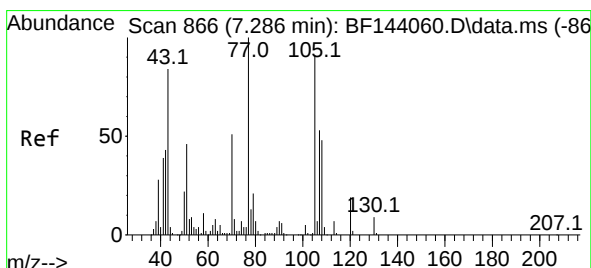
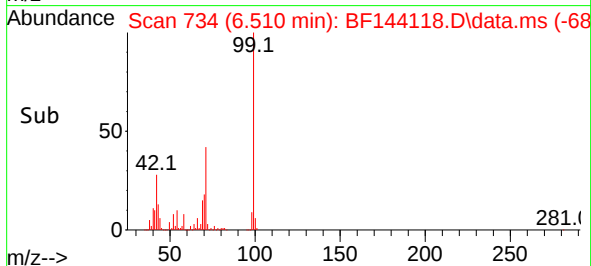
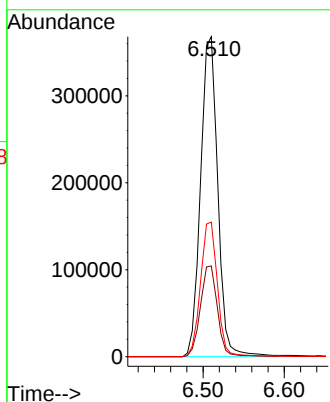
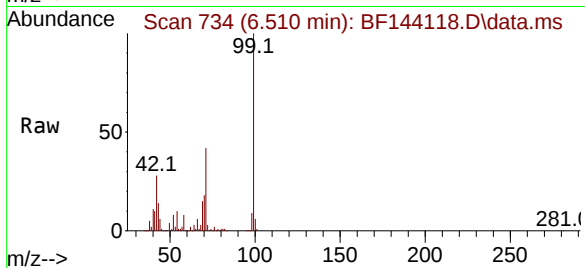
Instrument :

BNA_F

ClientSampleId :

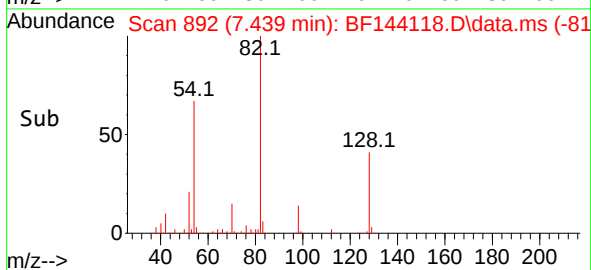
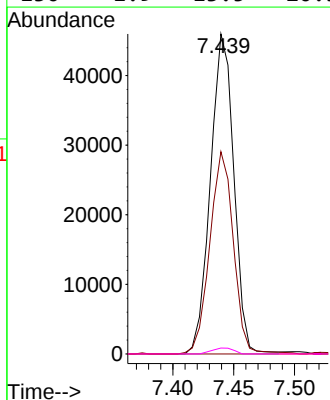
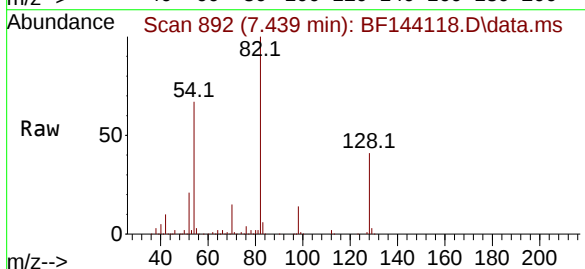
TP-12

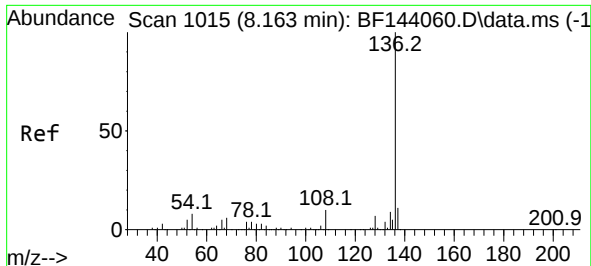
Tgt Ion: 99 Resp: 541588
Ion Ratio Lower Upper
99 100
42 28.4 23.9 35.9
71 42.1 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.548 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Tgt Ion: 70 Resp: 61656
Ion Ratio Lower Upper
70 100
42 63.2 67.4 101.0#
101 0.0 7.1 10.7#
130 1.9 13.5 20.3#



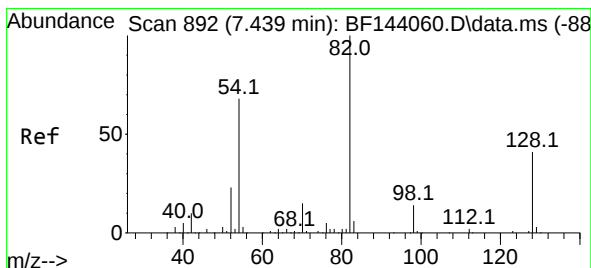
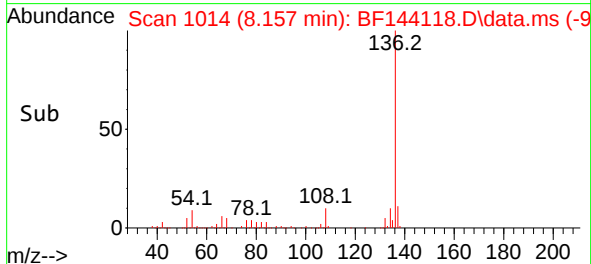
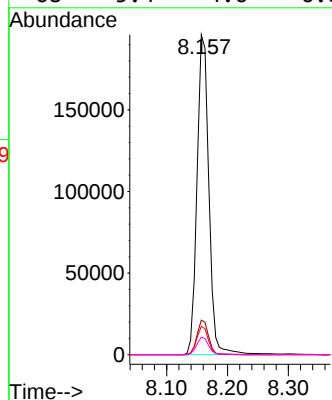
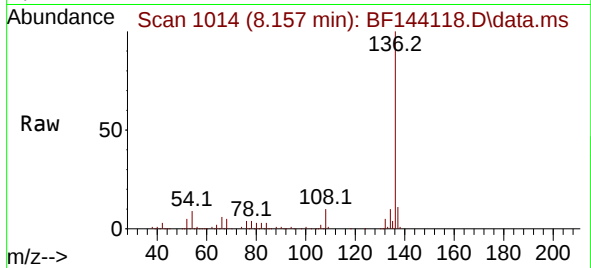


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Instrument :
BNA_F
ClientSampleId :
TP-12

Tgt Ion:136 Resp: 265195

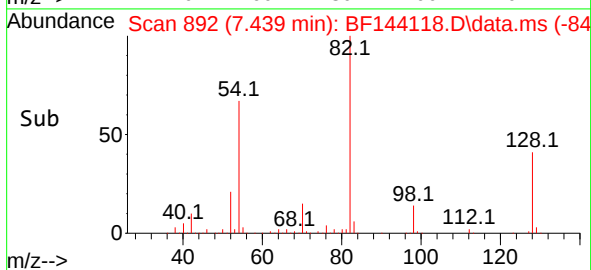
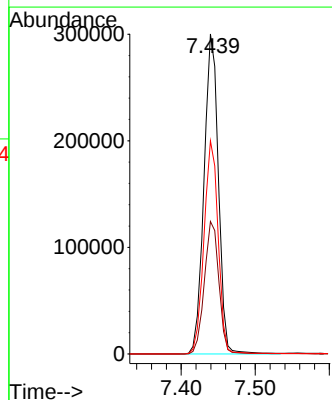
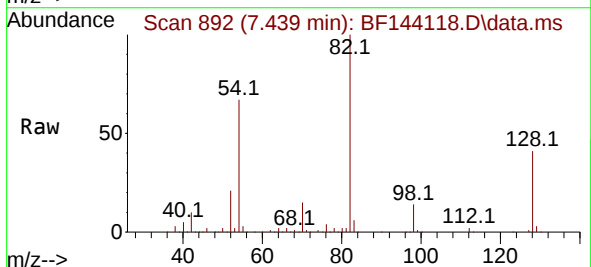
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	6.6	9.8
68	5.4	4.6	6.8

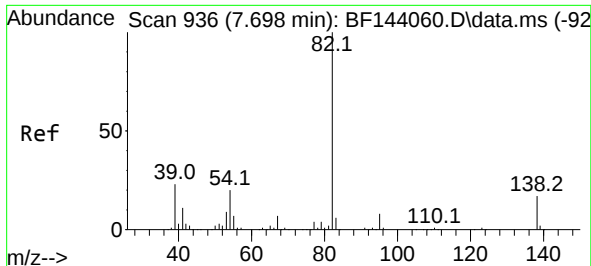


#23
Nitrobenzene-d5
Concen: 84.139 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Tgt Ion: 82 Resp: 407272

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.4	48.6
54	66.6	54.0	81.0

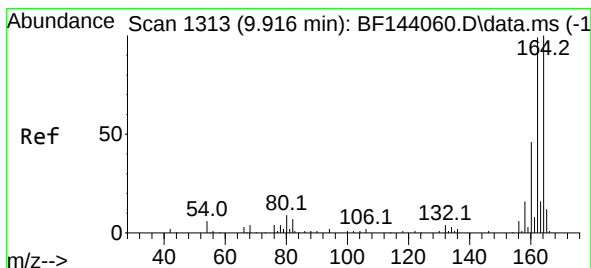
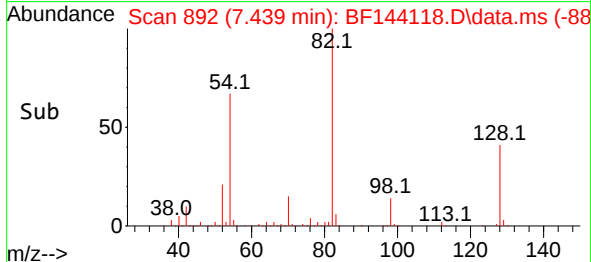
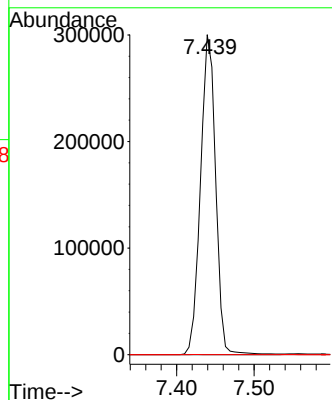
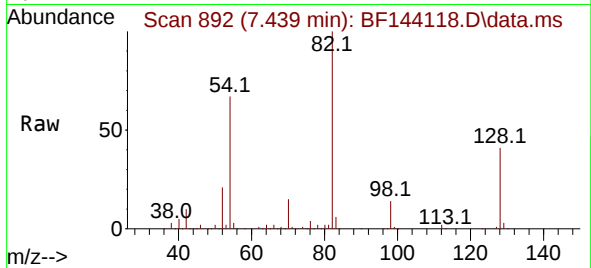




#25
Isophorone
Concen: 48.125 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

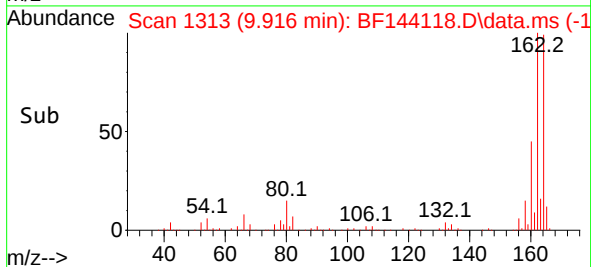
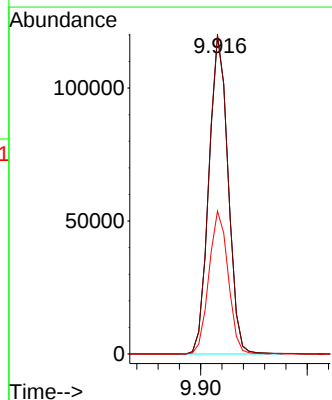
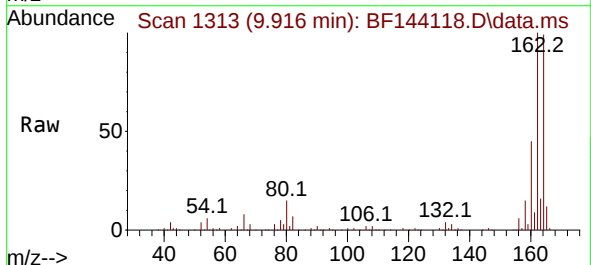
Instrument :
BNA_F
ClientSampleId :
TP-12

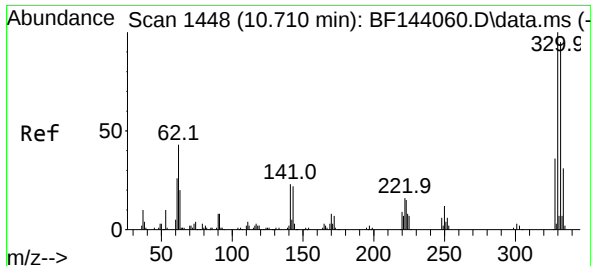
Tgt Ion: 82 Resp: 407267
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Tgt Ion:164 Resp: 149548
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 45.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 125.466 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-12

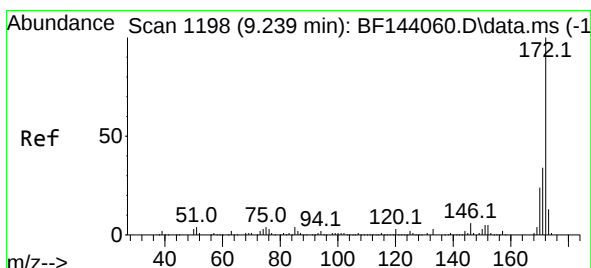
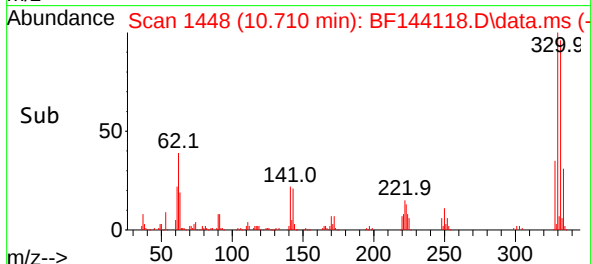
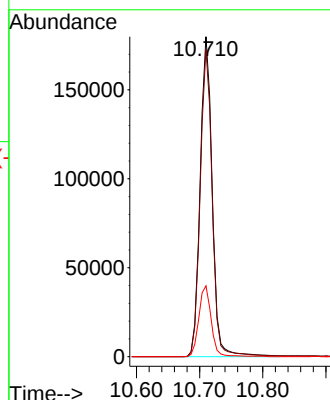
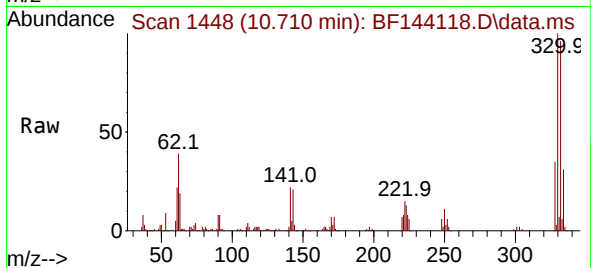
Tgt Ion:330 Resp: 239006

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 22.7 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 80.644 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

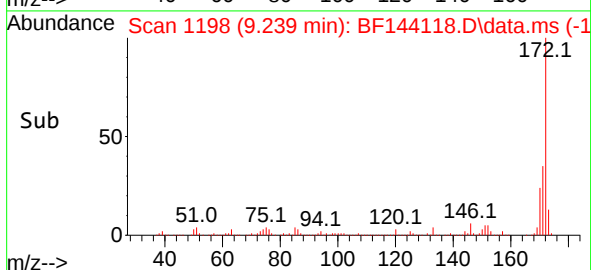
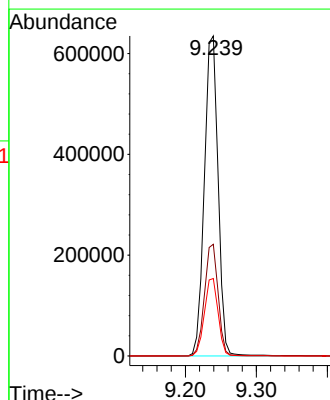
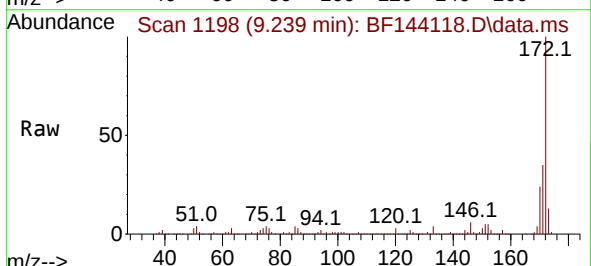
Tgt Ion:172 Resp: 857017

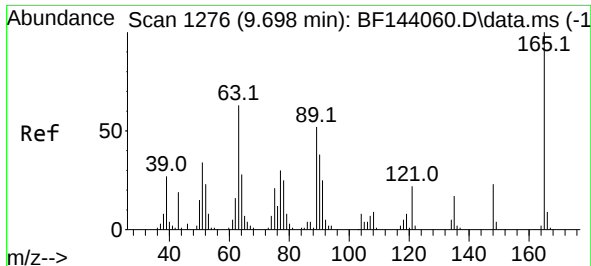
Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 24.2 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.309 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-12

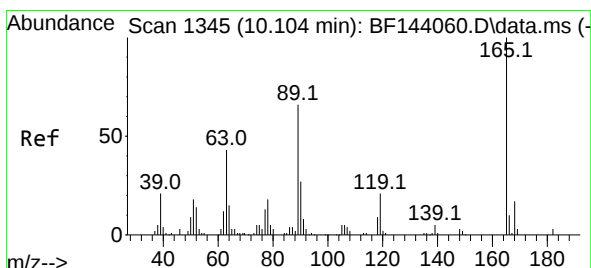
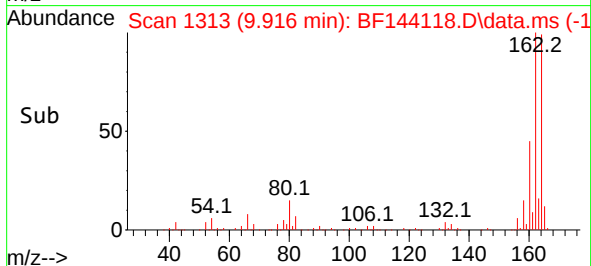
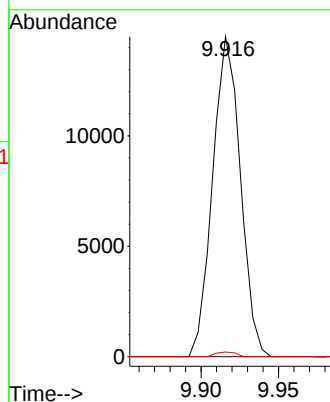
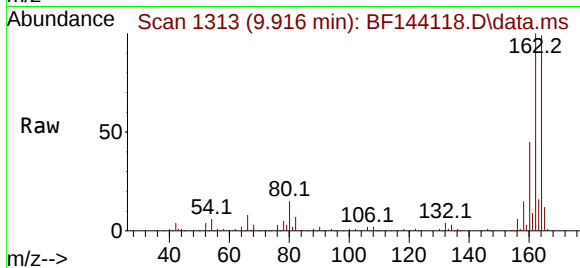
Tgt Ion:165 Resp: 18040

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 1.5 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 6.898 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

Tgt Ion:165 Resp: 18040

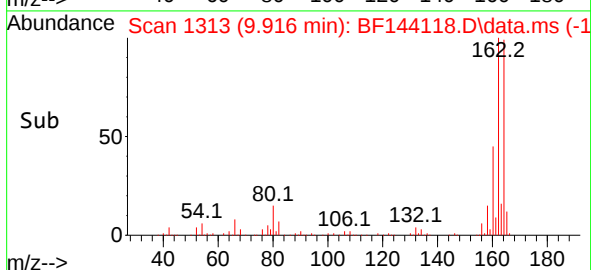
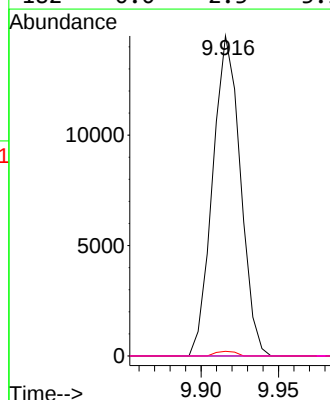
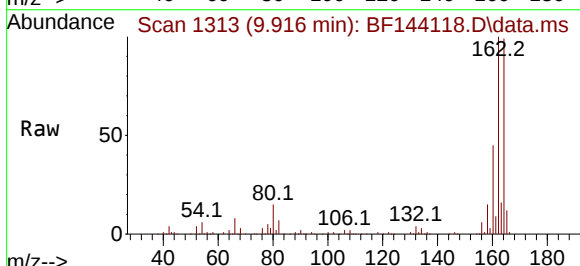
Ion Ratio Lower Upper

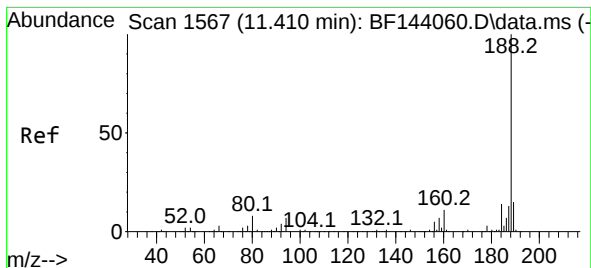
165 100

63 0.0 35.4 53.2#

89 1.5 52.7 79.1#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-12

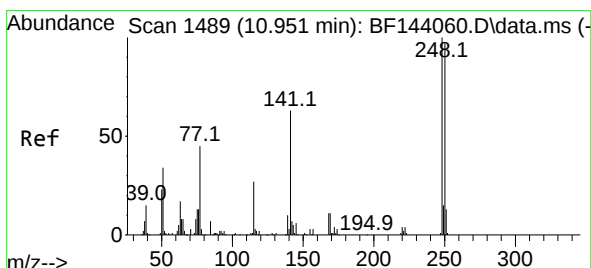
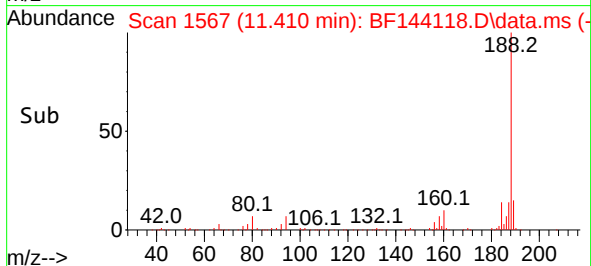
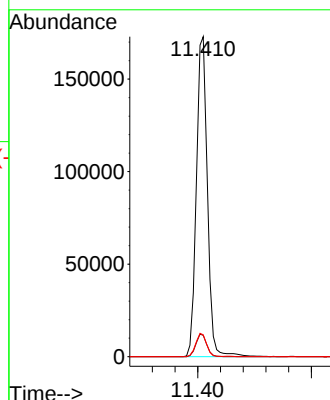
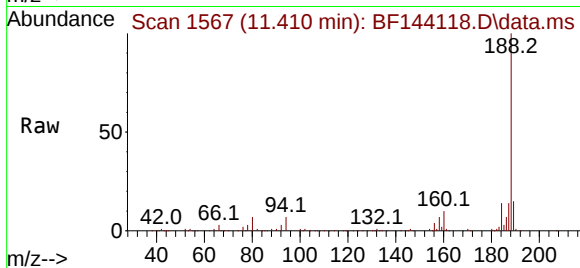
Tgt Ion:188 Resp: 233932

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.0

80 6.8 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.650 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144118.D

Acq: 28 Oct 2025 23:39

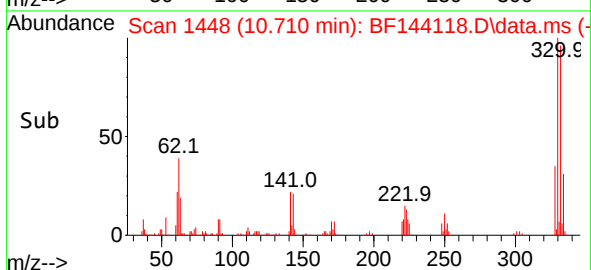
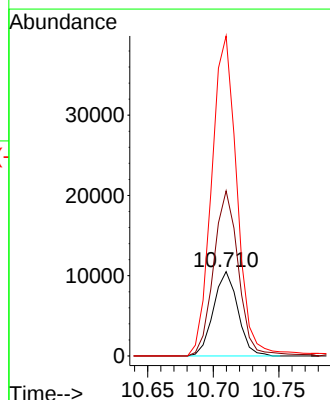
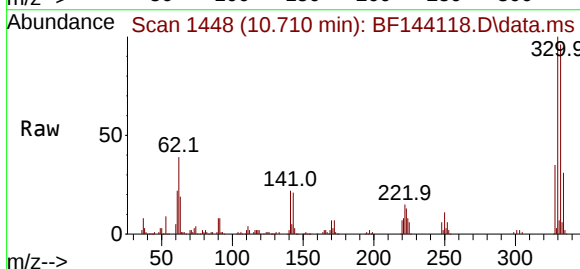
Tgt Ion:248 Resp: 13621

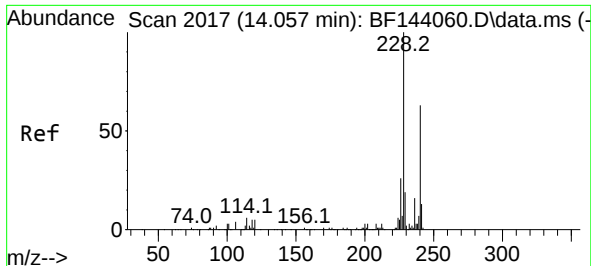
Ion Ratio Lower Upper

248 100

250 195.8 77.8 116.6#

141 379.6 50.5 75.7#

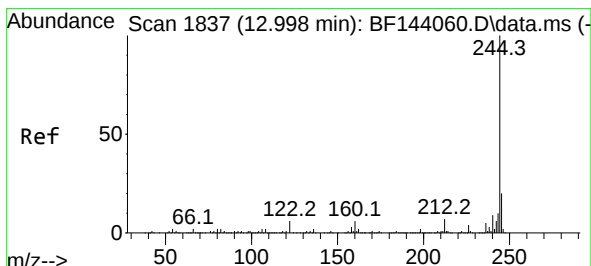
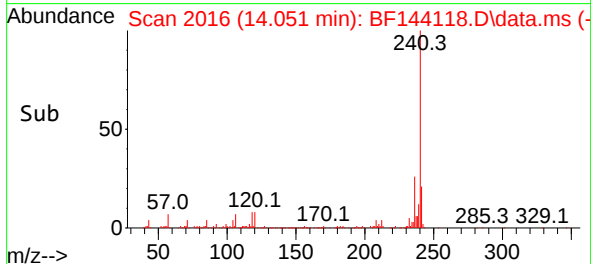
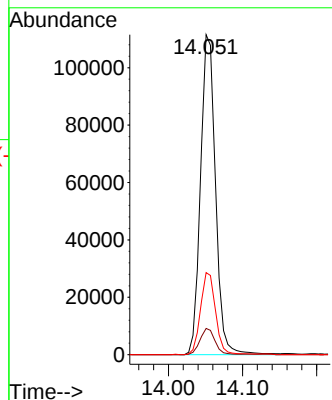
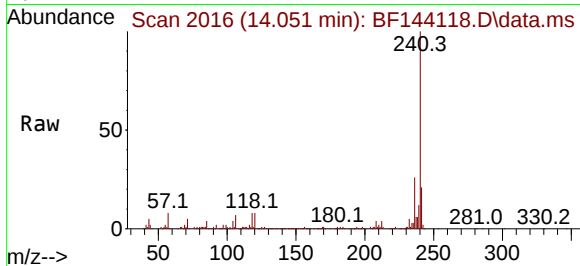




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

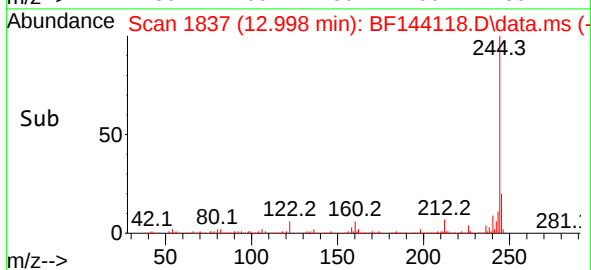
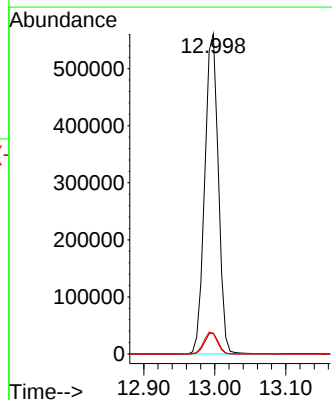
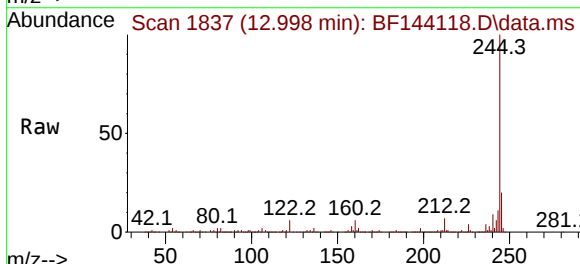
Instrument :
BNA_F
ClientSampleId :
TP-12

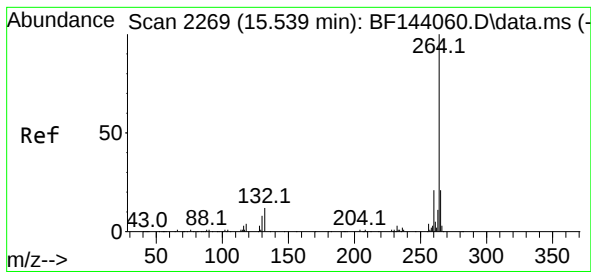
Tgt Ion:240 Resp: 156891
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.7 20.1 30.1



#79
Terphenyl-d14
Concen: 83.529 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144118.D
Acq: 28 Oct 2025 23:39

Tgt Ion:244 Resp: 749614
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: BF144118.D
 Acq: 28 Oct 2025 23:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tgt Ion:264 Resp: 198990
 Ion Ratio Lower Upper
 264 100
 260 21.7 17.0 25.4
 265 20.3 16.6 24.8

