

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142869.D
 Acq On : 26 Jun 2025 15:37
 Operator : RC/JU
 Sample : Q2405-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-M/N

Quant Time: Jun 26 16:08:03 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)

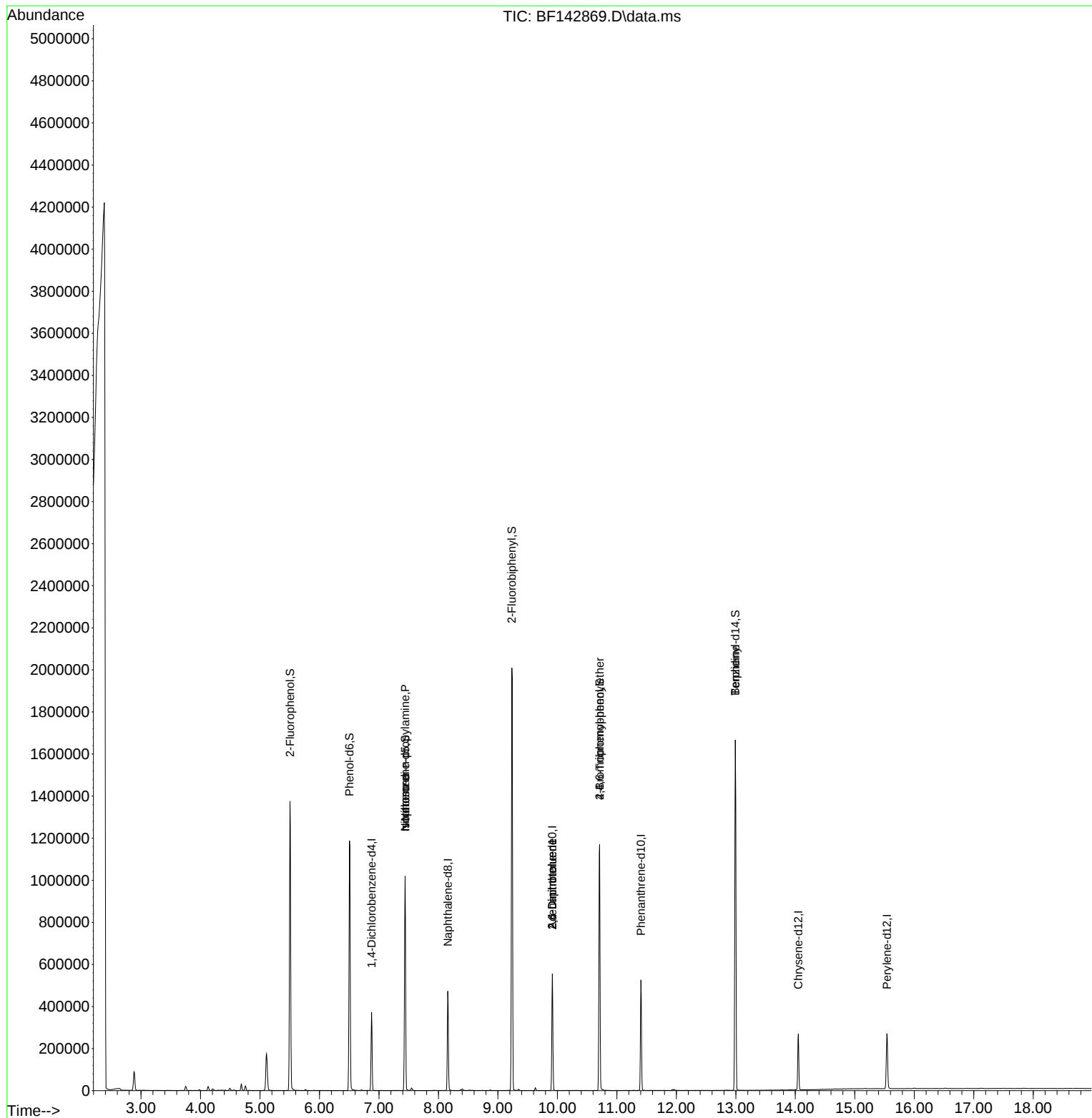
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80278	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	306907	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	164499	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	273347	20.000	ng	0.00
76) Chrysene-d12	14.051	240	135687	20.000	ng	0.00
86) Perylene-d12	15.539	264	158801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	540151	112.025	ng	0.01
7) Phenol-d6	6.504	99	587029	103.192	ng	0.00
23) Nitrobenzene-d5	7.440	82	445980	79.706	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	211424	124.896	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	939327	75.014	ng	-0.01
79) Terphenyl-d14	12.992	244	809756	82.458	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	59756	18.061	ng	# 75
25) Isophorone	7.440	82	446035	49.693	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	20660	8.835	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	20660	6.651	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	13455	4.325	ng	# 1
77) Benzidine	12.992	184	10627	2.085	ng	# 97

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

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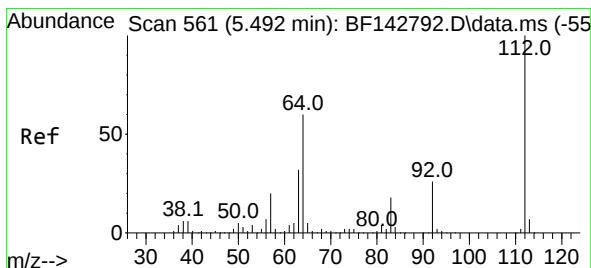
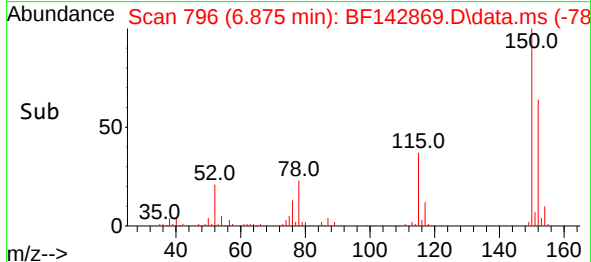
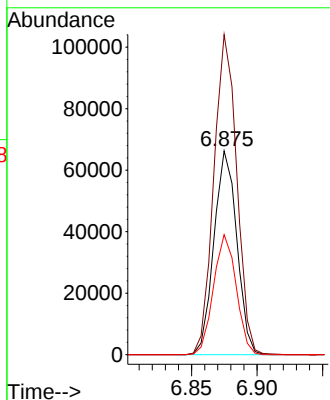
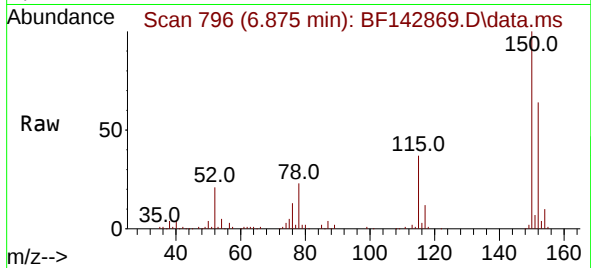




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

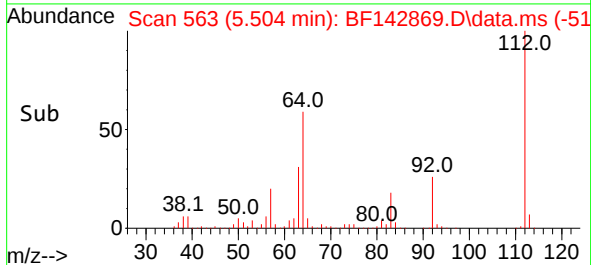
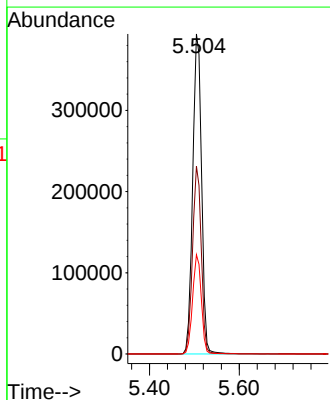
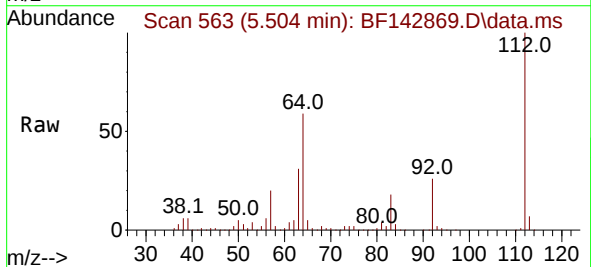
Instrument :
BNA_F
ClientSampleId :
MH-M/N

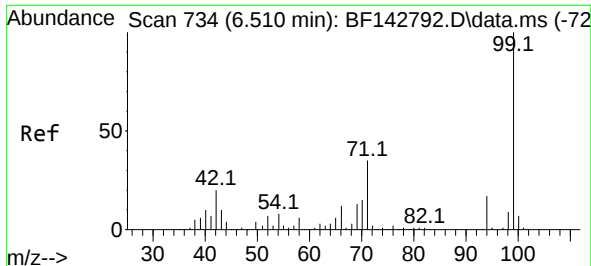
Tgt Ion:152 Resp: 80278
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 112.025 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Tgt Ion:112 Resp: 540151
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.0 25.7 38.5

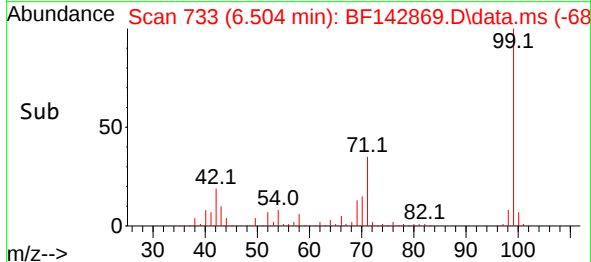
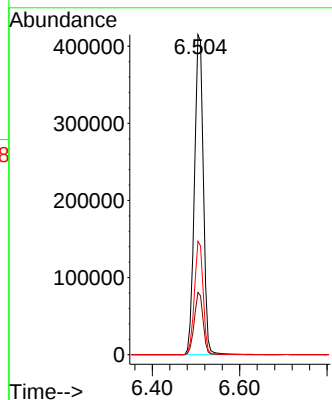
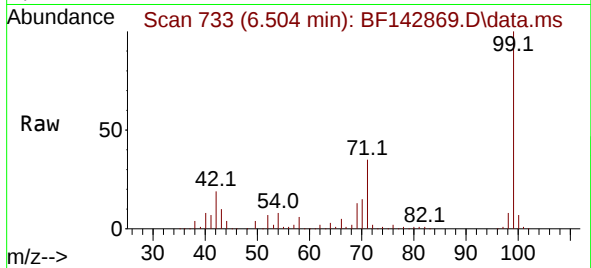




#7
Phenol-d6
Concen: 103.192 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

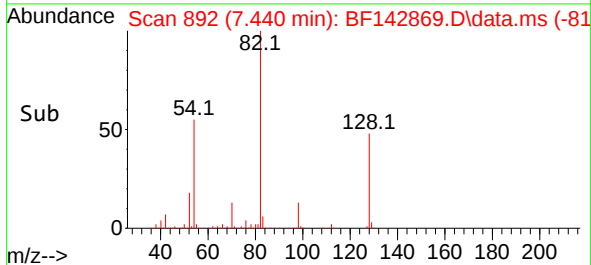
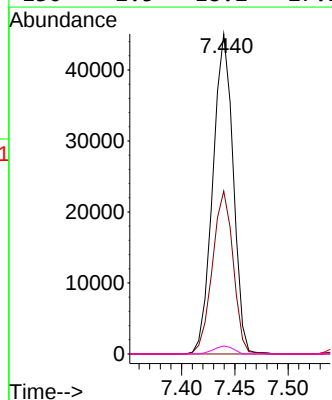
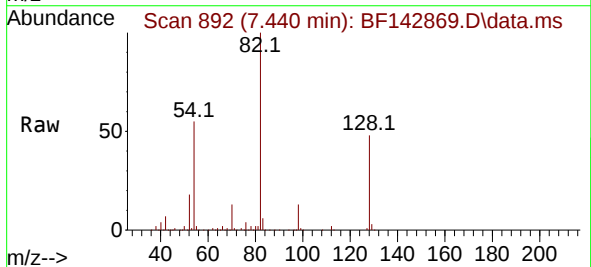
Instrument :
BNA_F
ClientSampleId :
MH-M/N

Tgt Ion: 99 Resp: 587029
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 35.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.061 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Tgt Ion: 70 Resp: 59756
Ion Ratio Lower Upper
70 100
42 50.9 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#

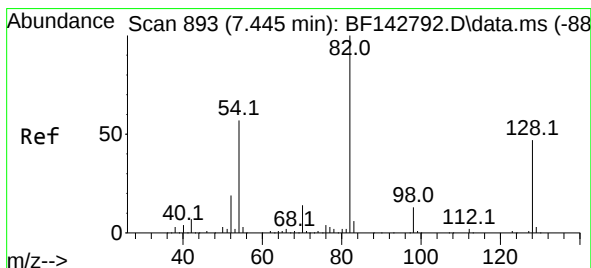
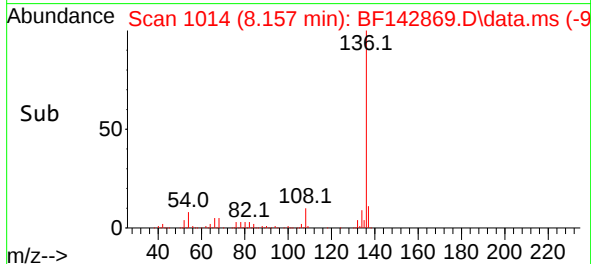
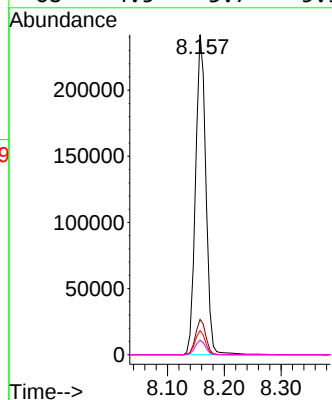
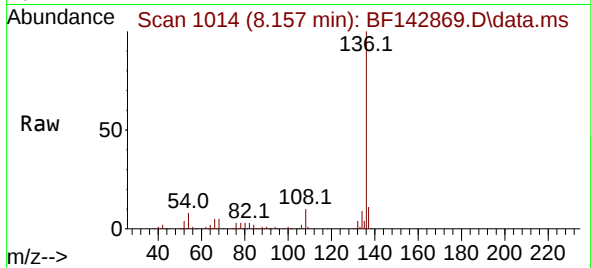




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

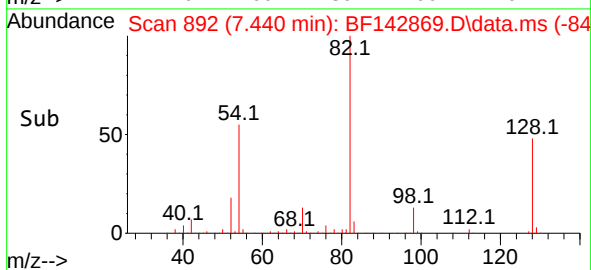
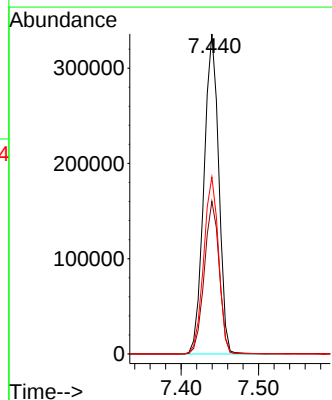
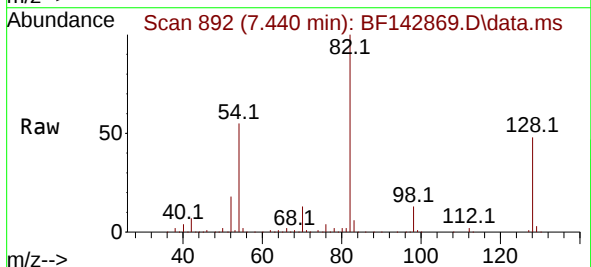
Instrument :
BNA_F
ClientSampleId :
MH-M/N

Tgt Ion:136 Resp: 306907
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.5 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.706 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Tgt Ion: 82 Resp: 445980
Ion Ratio Lower Upper
82 100
128 47.7 37.7 56.5
54 55.3 45.7 68.5

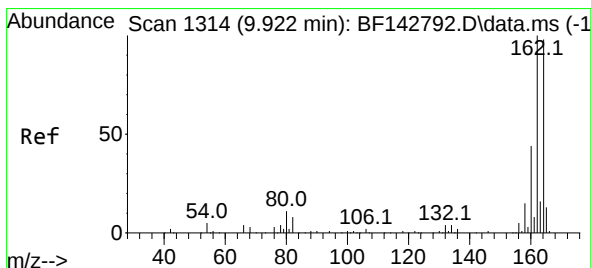
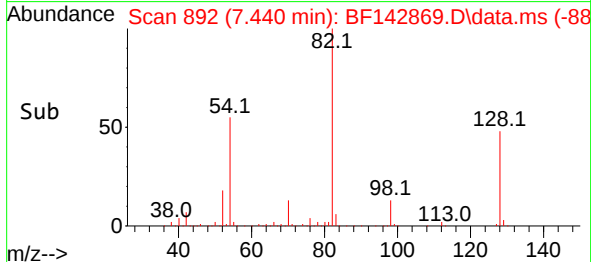
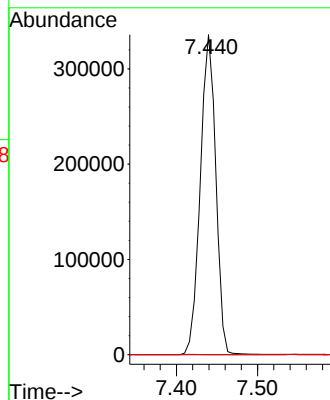
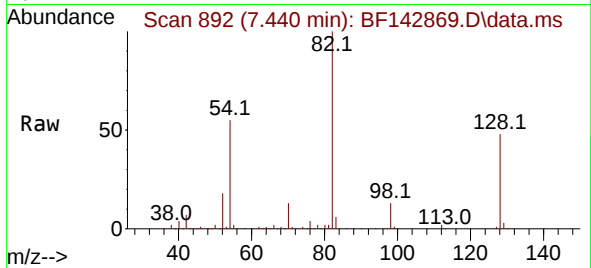




#25
Isophorone
Concen: 49.693 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

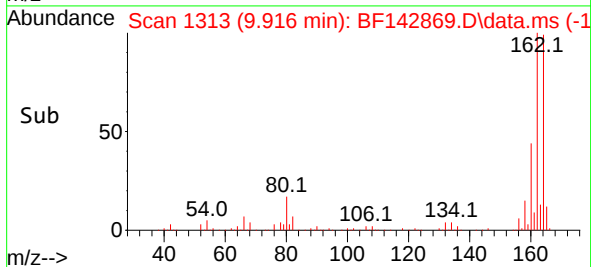
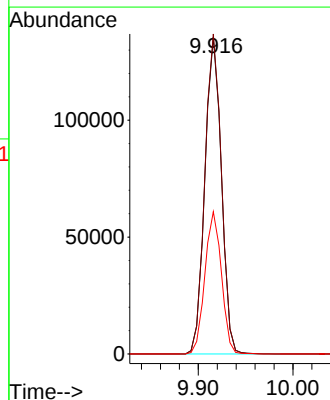
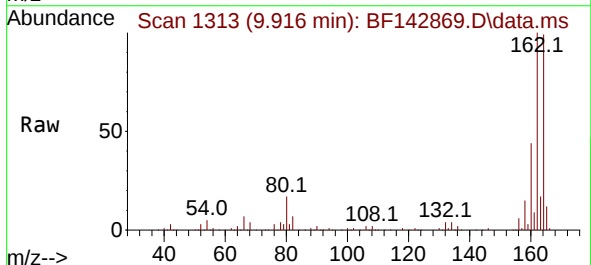
Instrument :
BNA_F
ClientSampleId :
MH-M/N

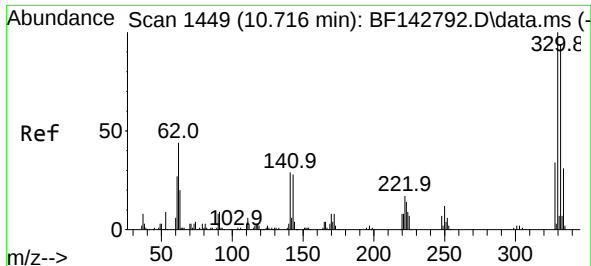
Tgt Ion: 82 Resp: 446035
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

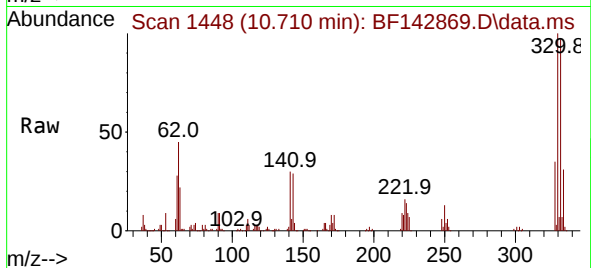
Tgt Ion:164 Resp: 164499
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.8
160 44.9 36.0 54.0



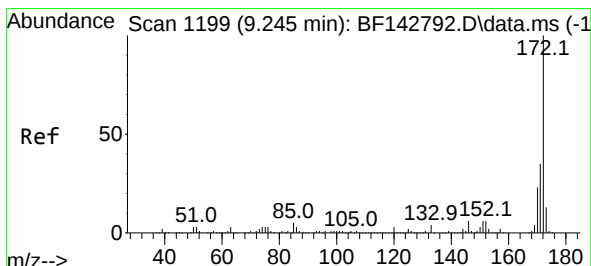
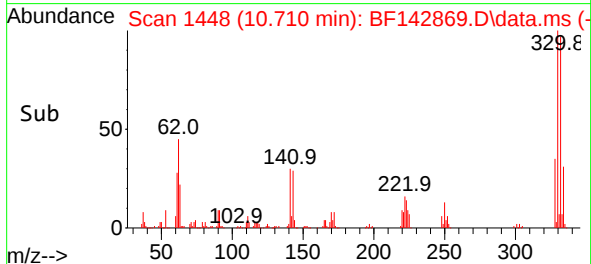
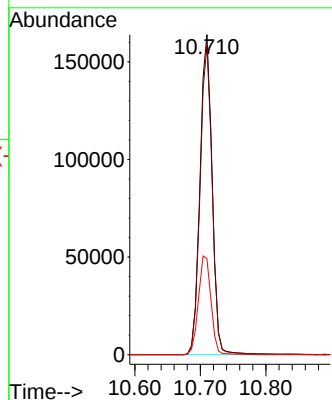


#42
2,4,6-Tribromophenol
Concen: 124.896 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Instrument :
BNA_F
ClientSampleId :
MH-M/N

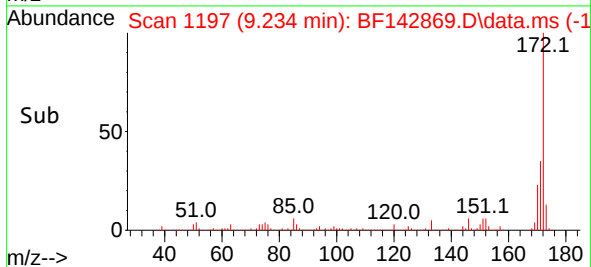
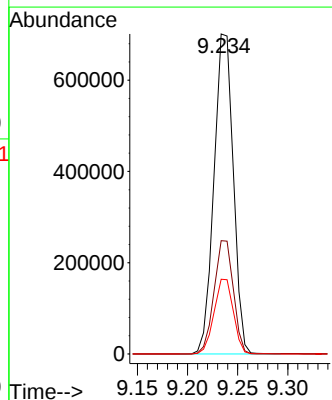
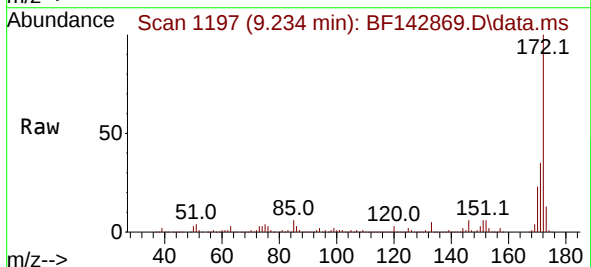


Tgt Ion:330 Resp: 211424
Ion Ratio Lower Upper
330 100
332 96.3 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 75.014 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Tgt Ion:172 Resp: 939327
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.3 18.5 27.7

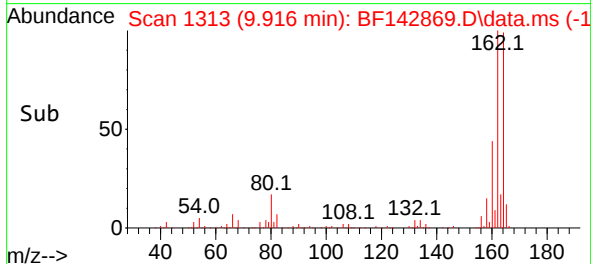
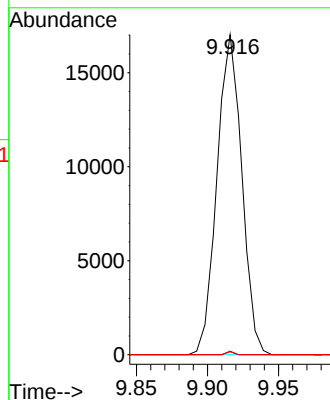
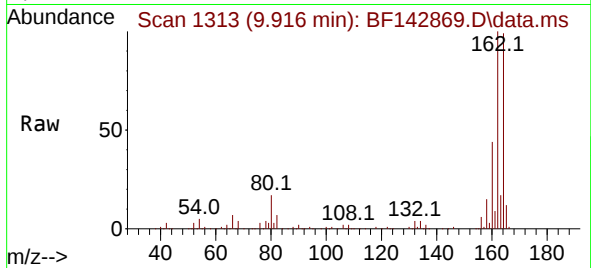




#51
2,6-Dinitrotoluene
Concen: 8.835 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

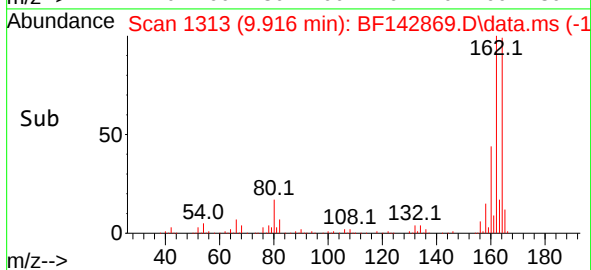
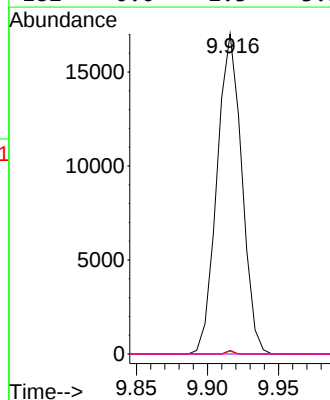
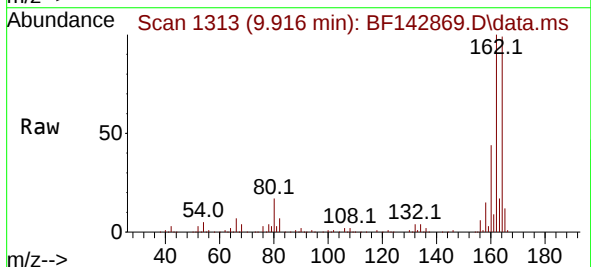
Instrument :
BNA_F
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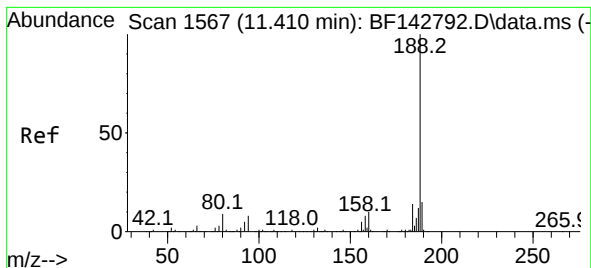
Tgt Ion:165 Resp: 20660
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 0.9 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.651 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142869.D
Acq: 26 Jun 2025 15:37

Tgt Ion:165 Resp: 20660
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 0.9 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: BF142869.D

Acq: 26 Jun 2025 15:37

Instrument :

BNA_F

ClientSampleId :

MH-M/N

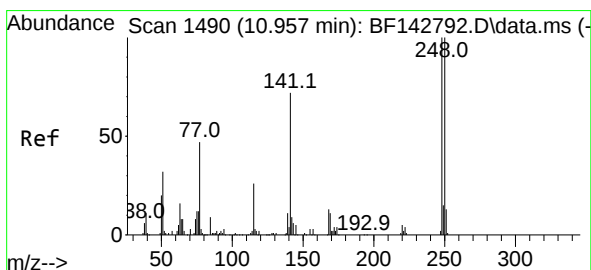
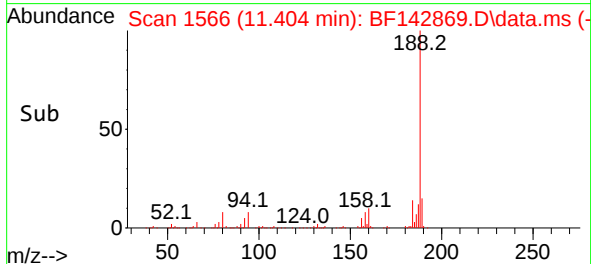
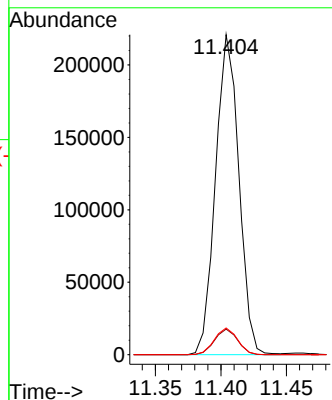
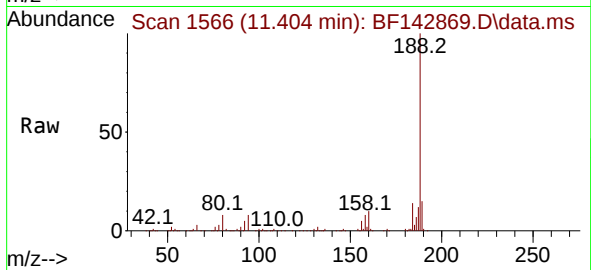
Tgt Ion:188 Resp: 273347

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.325 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142869.D

Acq: 26 Jun 2025 15:37

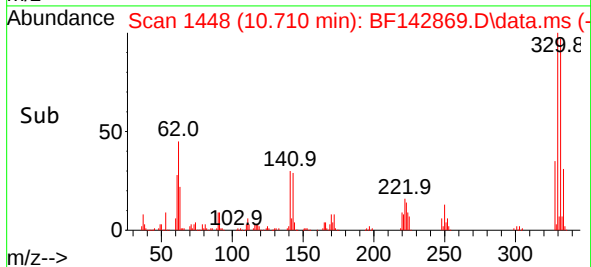
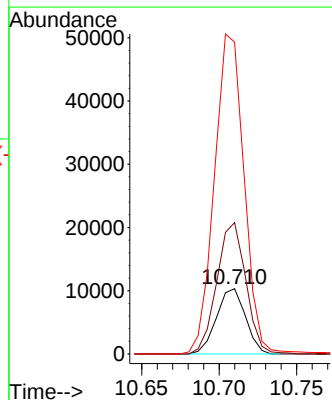
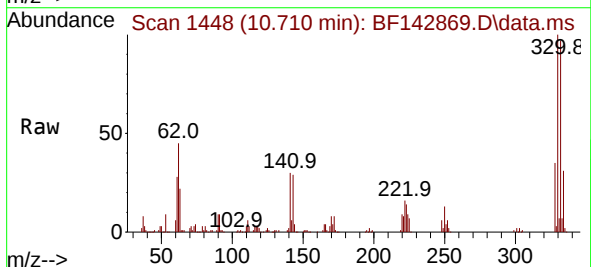
Tgt Ion:248 Resp: 13455

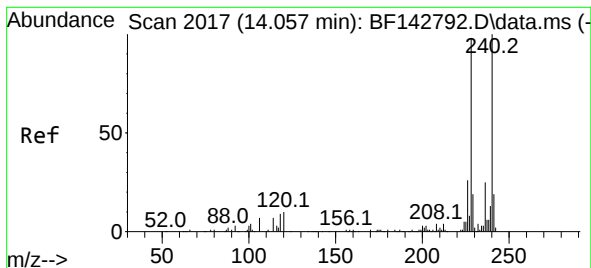
Ion Ratio Lower Upper

248 100

250 201.4 79.8 119.8#

141 477.8 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142869.D

Acq: 26 Jun 2025 15:37

Instrument :

BNA_F

ClientSampleId :

MH-M/N

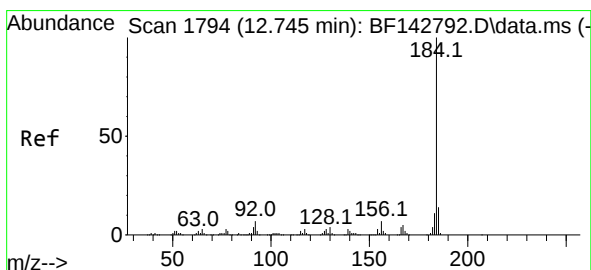
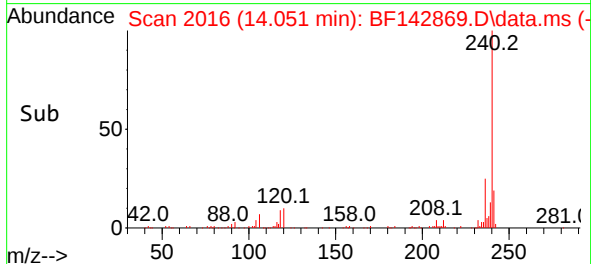
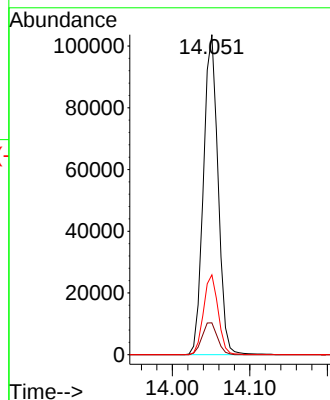
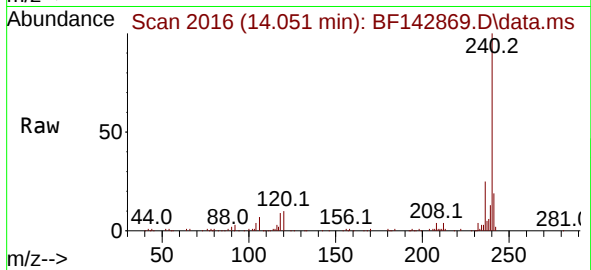
Tgt Ion:240 Resp: 135687

Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 25.0 19.8 29.8



#77

Benzidine

Concen: 2.085 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142869.D

Acq: 26 Jun 2025 15:37

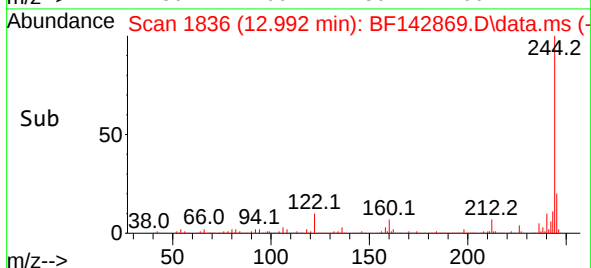
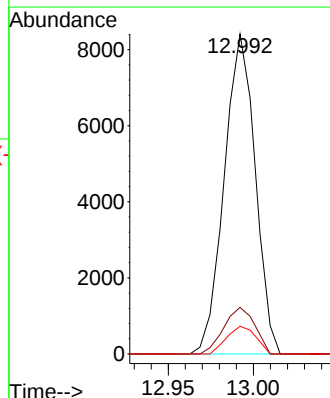
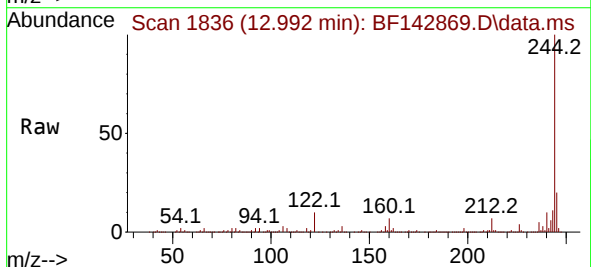
Tgt Ion:184 Resp: 10627

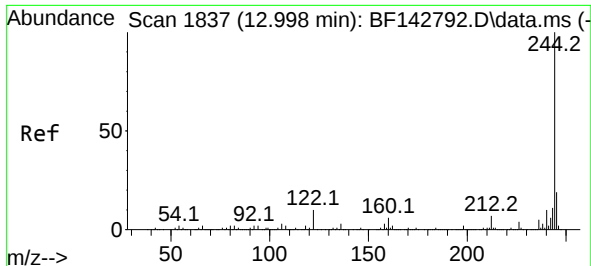
Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 8.7 9.0 13.4#

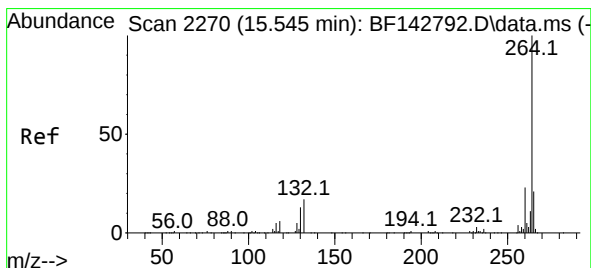
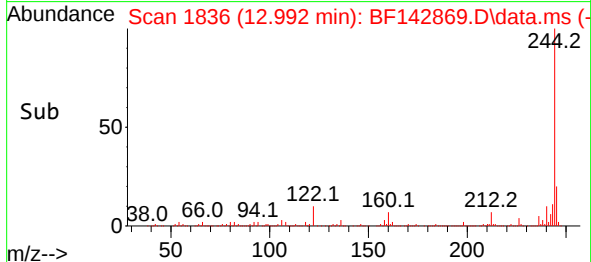
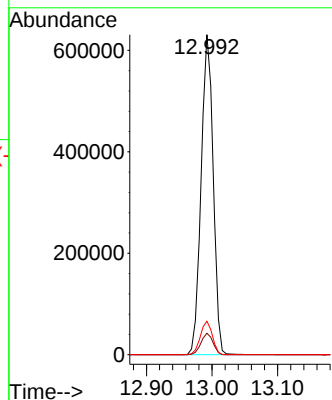
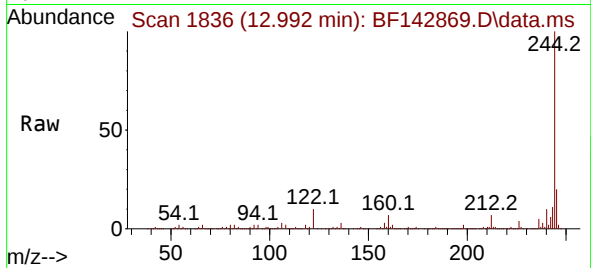




#79
 Terphenyl-d14
 Concen: 82.458 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142869.D
 Acq: 26 Jun 2025 15:37

Instrument :
 BNA_F
 ClientSampleId :
 MH-M/N

Tgt Ion:244 Resp: 809756
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142869.D
 Acq: 26 Jun 2025 15:37

Tgt Ion:264 Resp: 158801
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.1 27.1
 265 21.6 16.6 25.0

