

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142932.D
 Acq On : 30 Jun 2025 23:45
 Operator : RC/JU
 Sample : Q2436-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-69

Quant Time: Jul 01 01:26:20 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

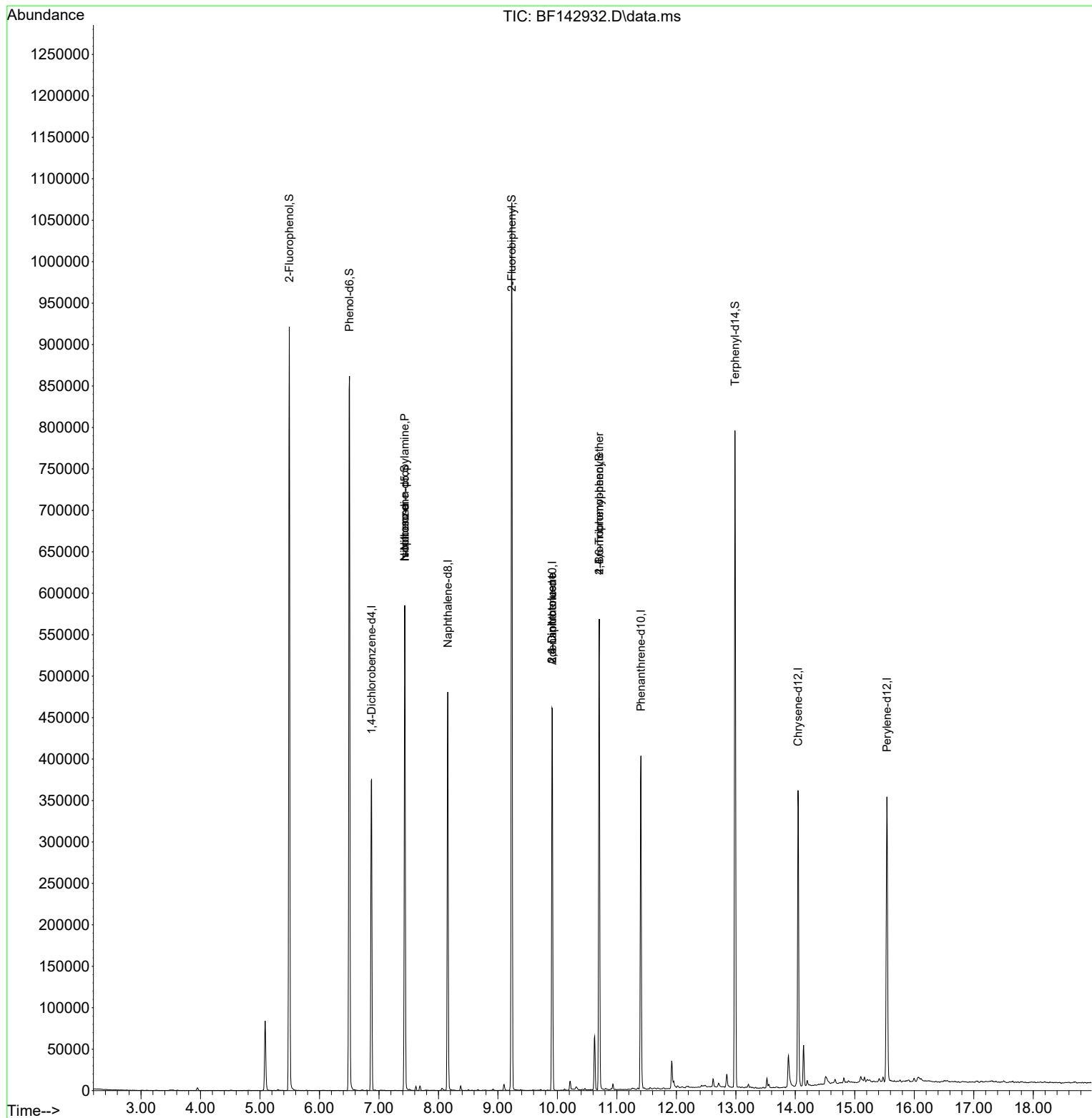
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85276	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	304409	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	144216	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	213538	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178308	20.000	ng	-0.01
86) Perylene-d12	15.539	264	202825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	351870	68.699	ng	0.00
7) Phenol-d6	6.504	99	406914	67.338	ng	0.00
23) Nitrobenzene-d5	7.434	82	244868	44.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	96625	65.108	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	482311	43.934	ng	-0.01
79) Terphenyl-d14	12.986	244	387256	30.008	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	32275	9.183	ng	# 77
25) Isophorone	7.434	82	244808	27.498	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	18100	8.829	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	18100	6.647	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	6325	2.603	ng	# 1

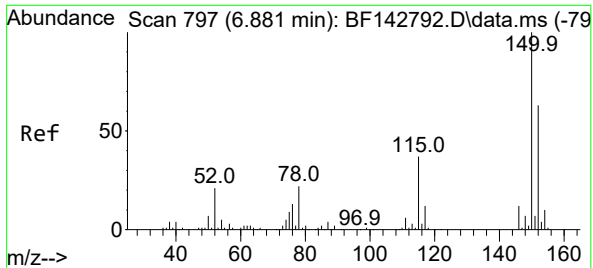
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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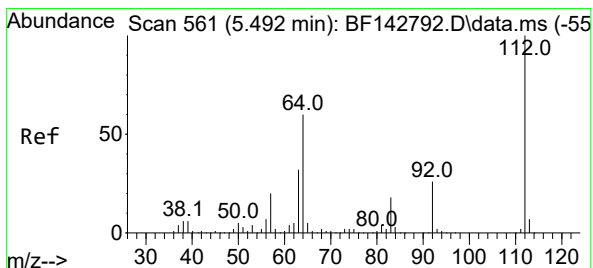
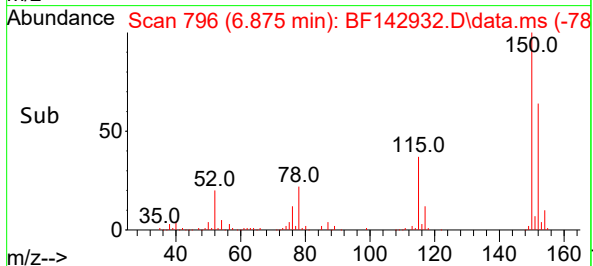
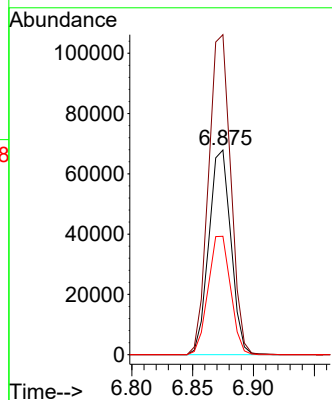
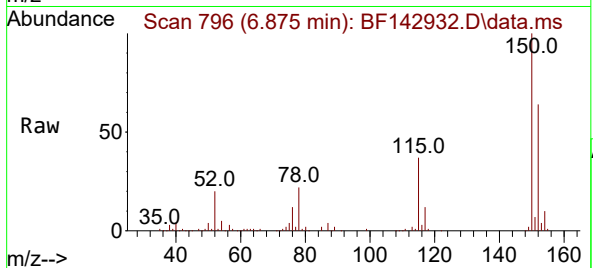




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

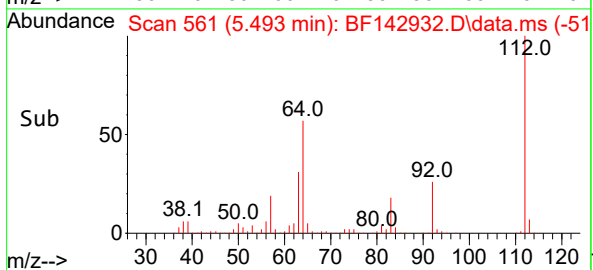
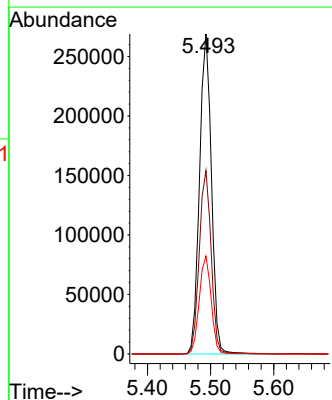
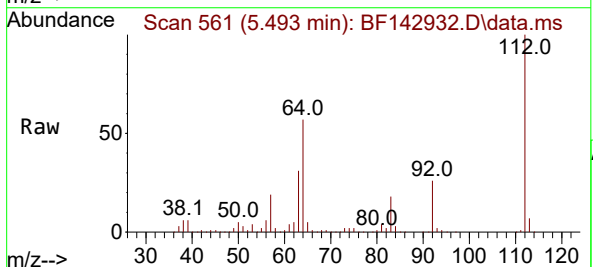
Instrument :
BNA_F
ClientSampleId :
TP-69

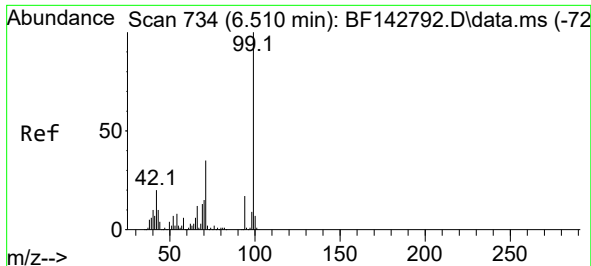
Tgt Ion:152 Resp: 85276
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 68.699 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:112 Resp: 351870
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.2
63 30.6 25.7 38.5

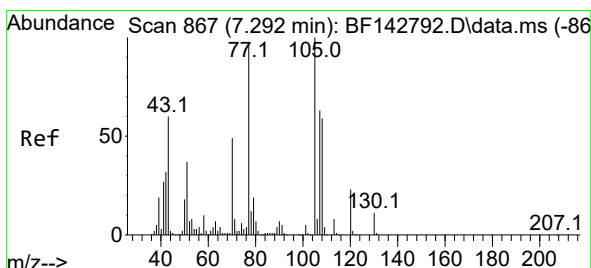
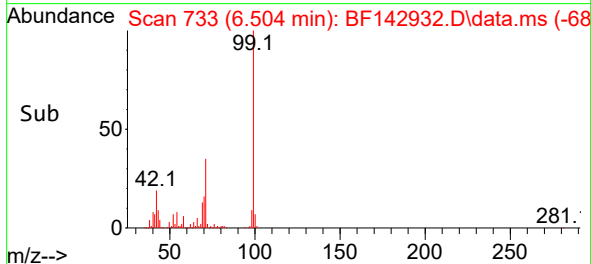
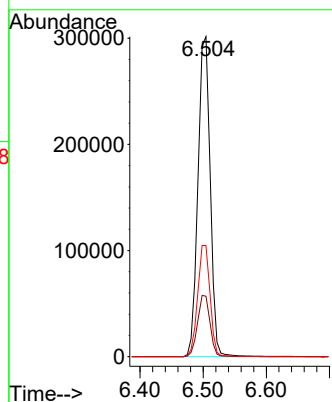
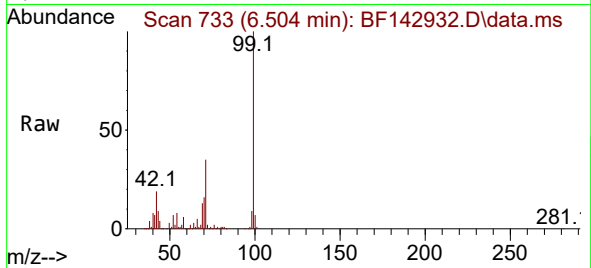




#7
Phenol-d6
Concen: 67.338 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

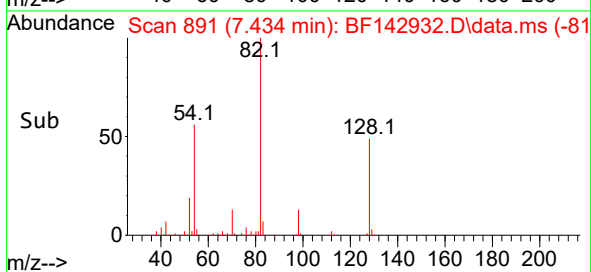
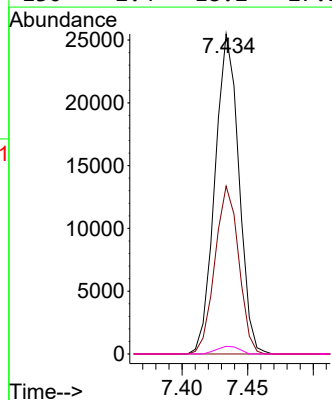
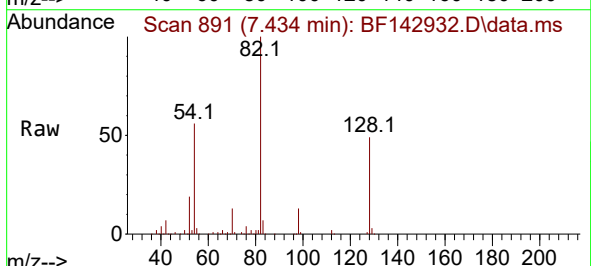
Instrument :
BNA_F
ClientSampleId :
TP-69

Tgt Ion: 99 Resp: 406914
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: 9.183 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion: 70 Resp: 32275
Ion Ratio Lower Upper
70 100
42 52.4 52.1 78.1
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#

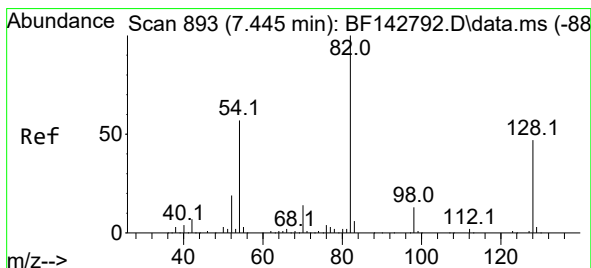
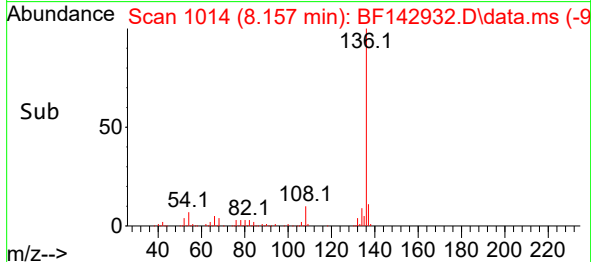
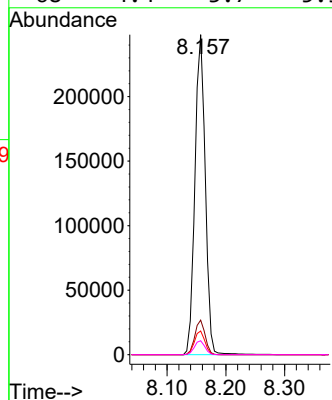
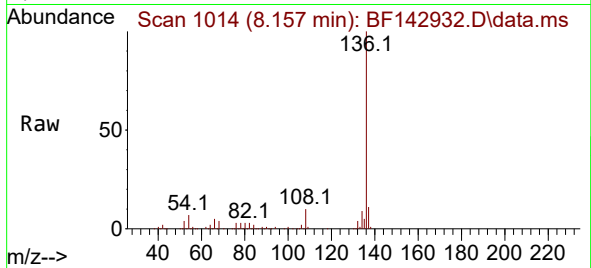




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

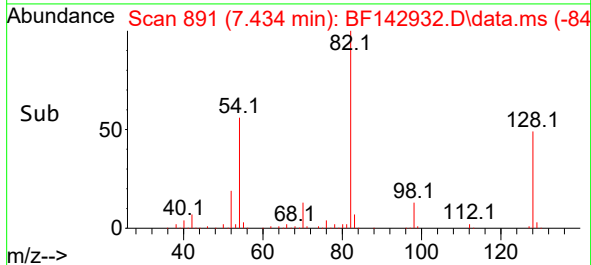
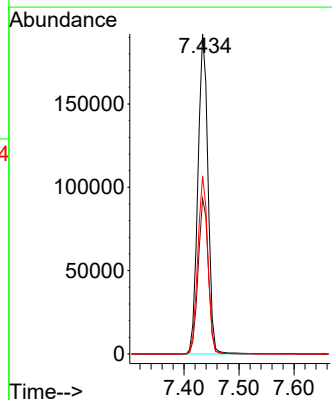
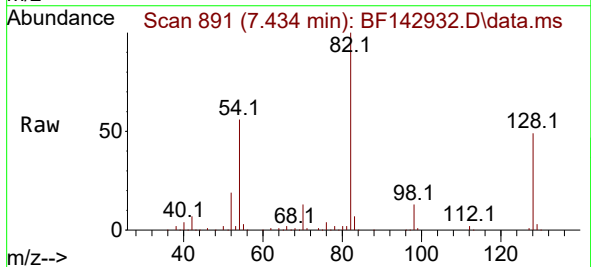
Instrument :
BNA_F
ClientSampleId :
TP-69

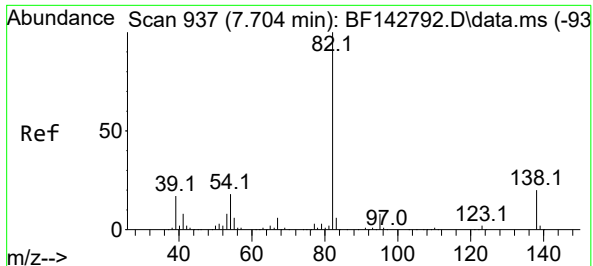
Tgt Ion:136 Resp: 304409
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.4 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 44.122 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion: 82 Resp: 244868
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 55.6 45.7 68.5

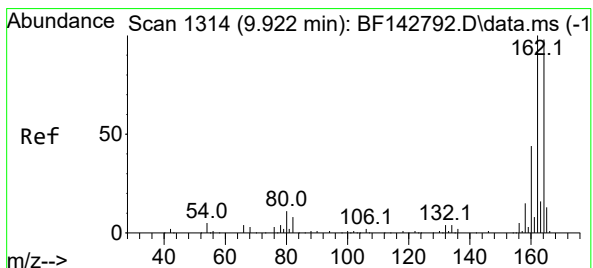
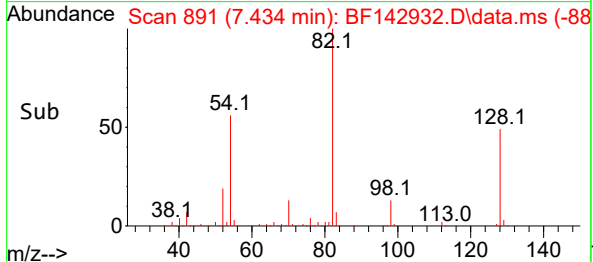
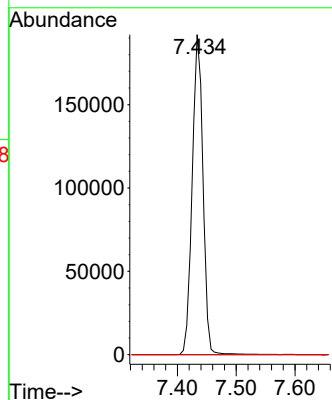
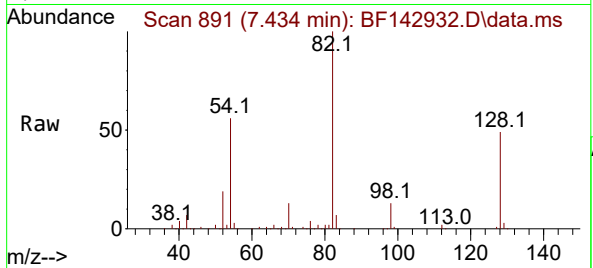




#25
Isophorone
Concen: 27.498 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

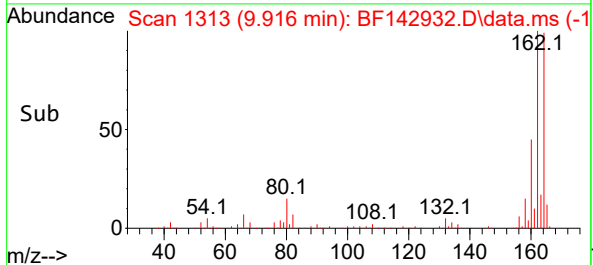
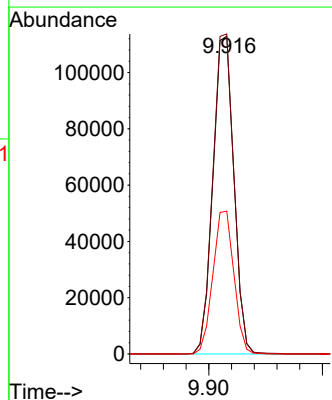
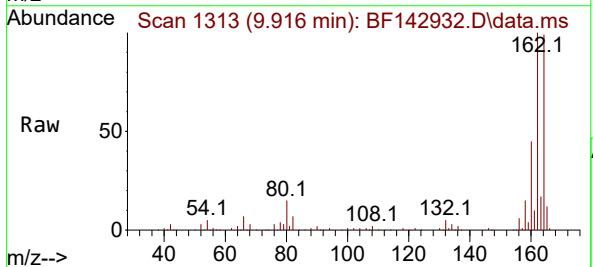
Instrument :
BNA_F
ClientSampleId :
TP-69

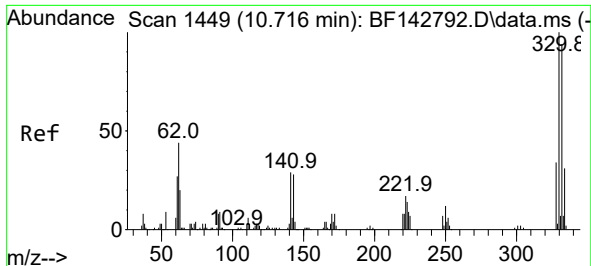
Tgt Ion: 82 Resp: 244808
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:164 Resp: 144216
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 45.0 36.0 54.0

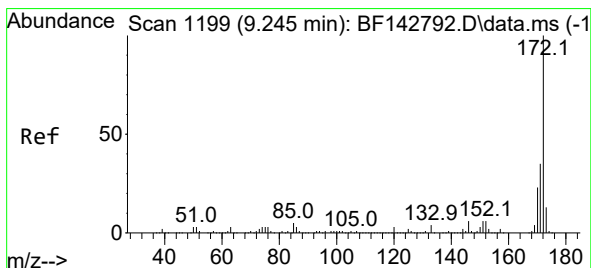
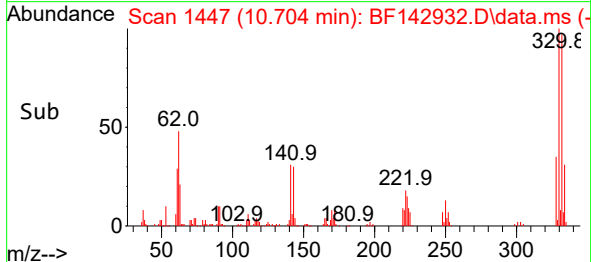
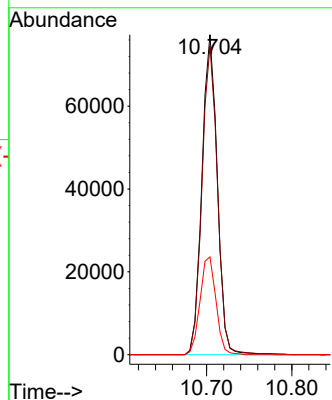
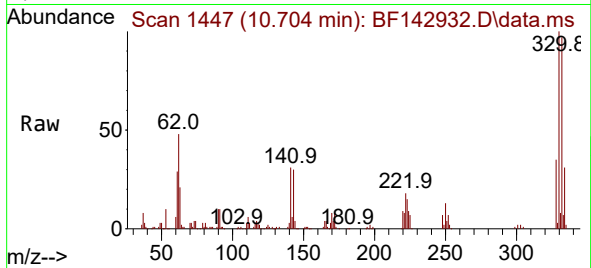




#42
2,4,6-Tribromophenol
Concen: 65.108 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

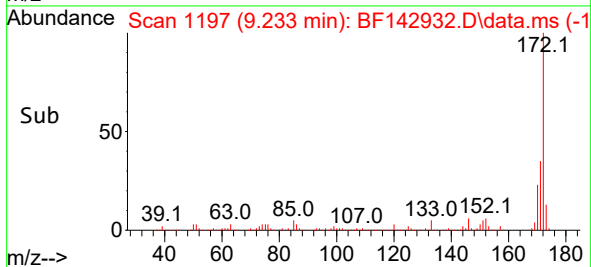
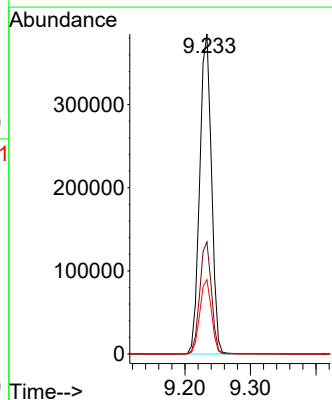
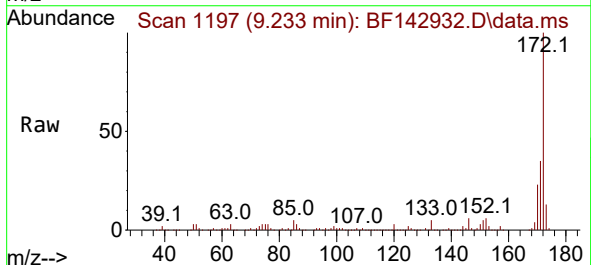
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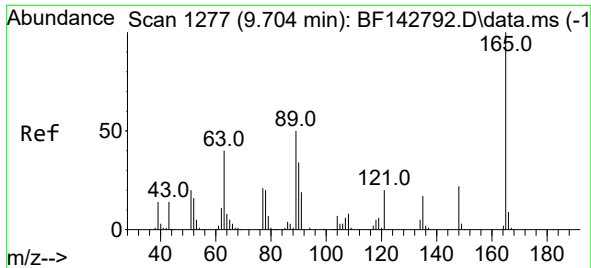
Tgt Ion:330 Resp: 96625
Ion Ratio Lower Upper
330 100
332 97.2 75.0 112.6
141 31.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 43.934 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:172 Resp: 482311
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.2 18.5 27.7

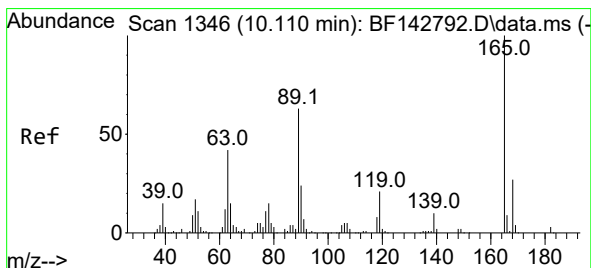
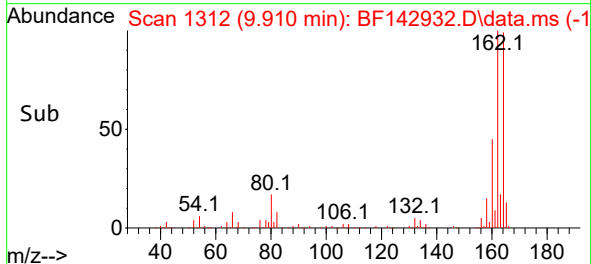
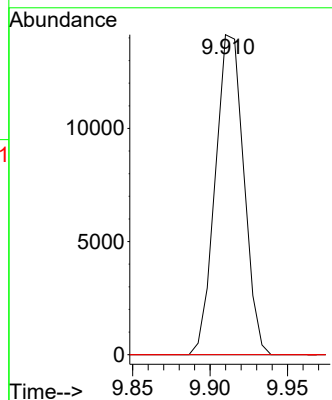
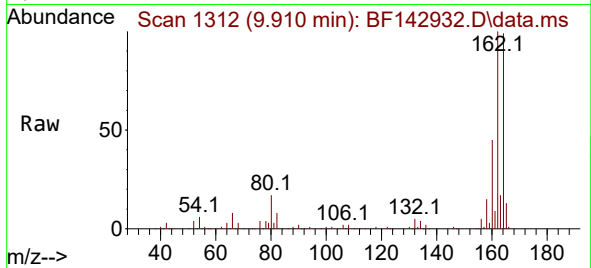




#51
2,6-Dinitrotoluene
Concen: 8.829 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

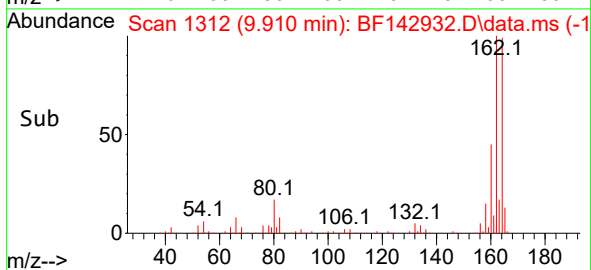
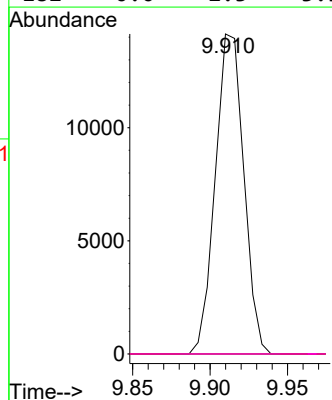
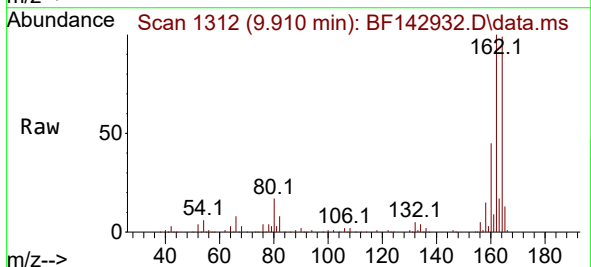
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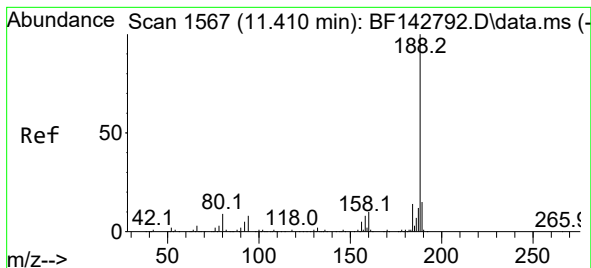
Tgt Ion:165 Resp: 18100
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.647 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:165 Resp: 18100
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# 1

Delta R.T. -0.006 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

Instrument :

BNA_F

ClientSampleId :

TP-69

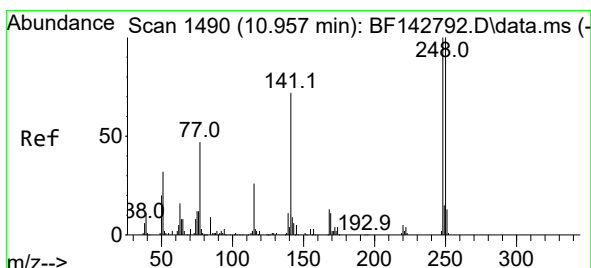
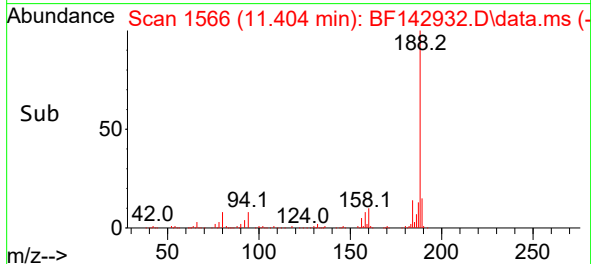
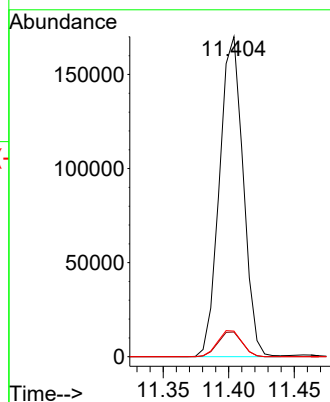
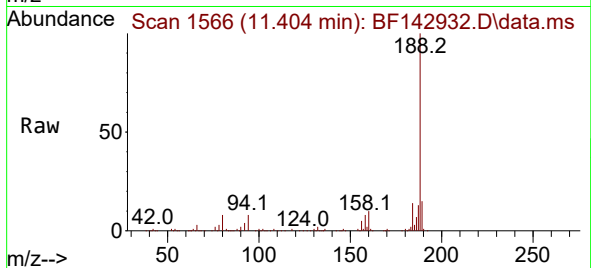
Tgt Ion:188 Resp: 213538

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.0 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.603 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

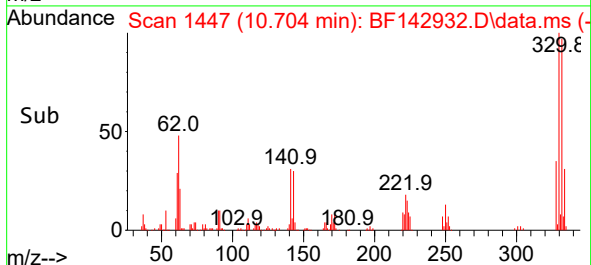
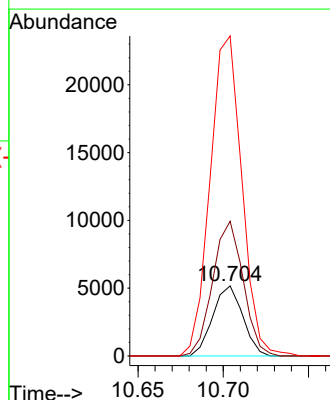
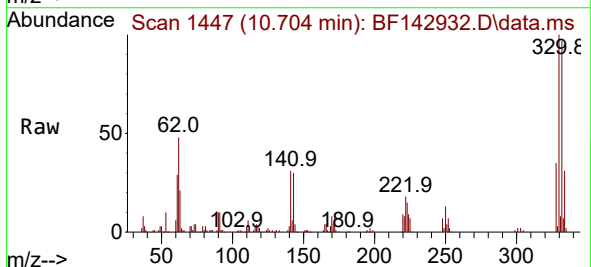
Tgt Ion:248 Resp: 6325

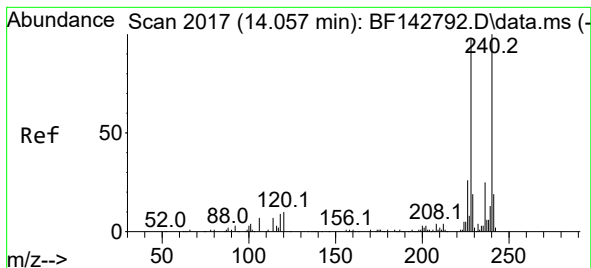
Ion Ratio Lower Upper

248 100

250 192.3 79.8 119.8#

141 456.8 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

Instrument :

BNA_F

ClientSampleId :

TP-69

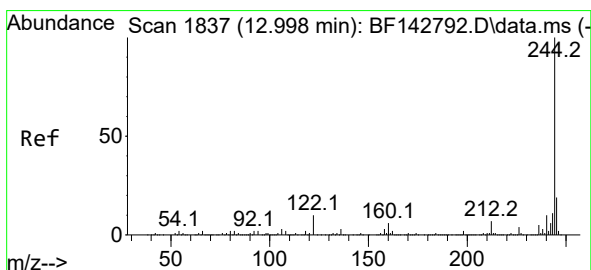
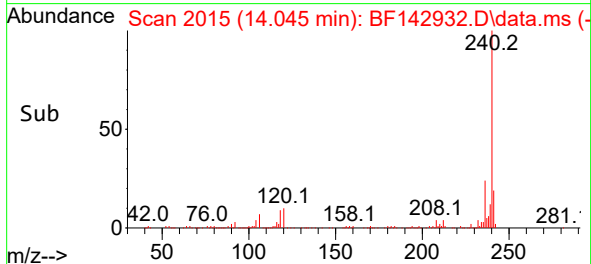
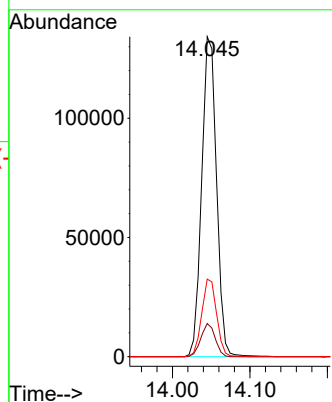
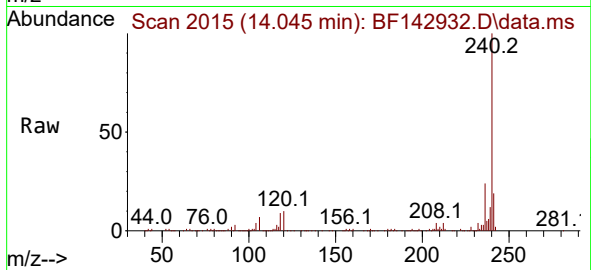
Tgt Ion:240 Resp: 178308

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.2 19.8 29.8



#79

Terphenyl-d14

Concen: 30.008 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

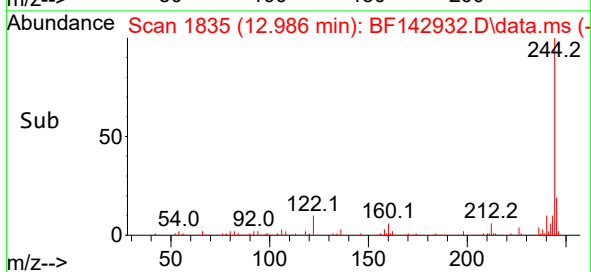
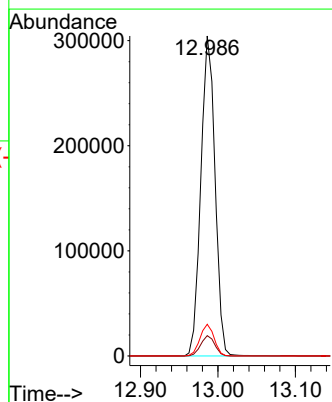
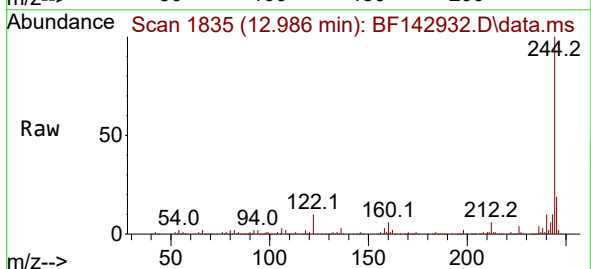
Tgt Ion:244 Resp: 387256

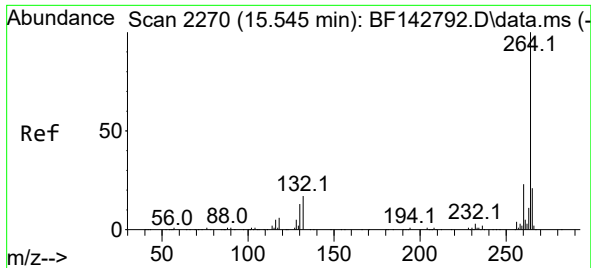
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.9 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Instrument :
BNA_F
ClientSampleId :
TP-69

Tgt Ion:264 Resp: 202825
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.6 16.6 25.0

