

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142961.D
 Acq On : 01 Jul 2025 21:04
 Operator : RC/JU
 Sample : Q2458-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-55

Quant Time: Jul 02 01:04:37 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)

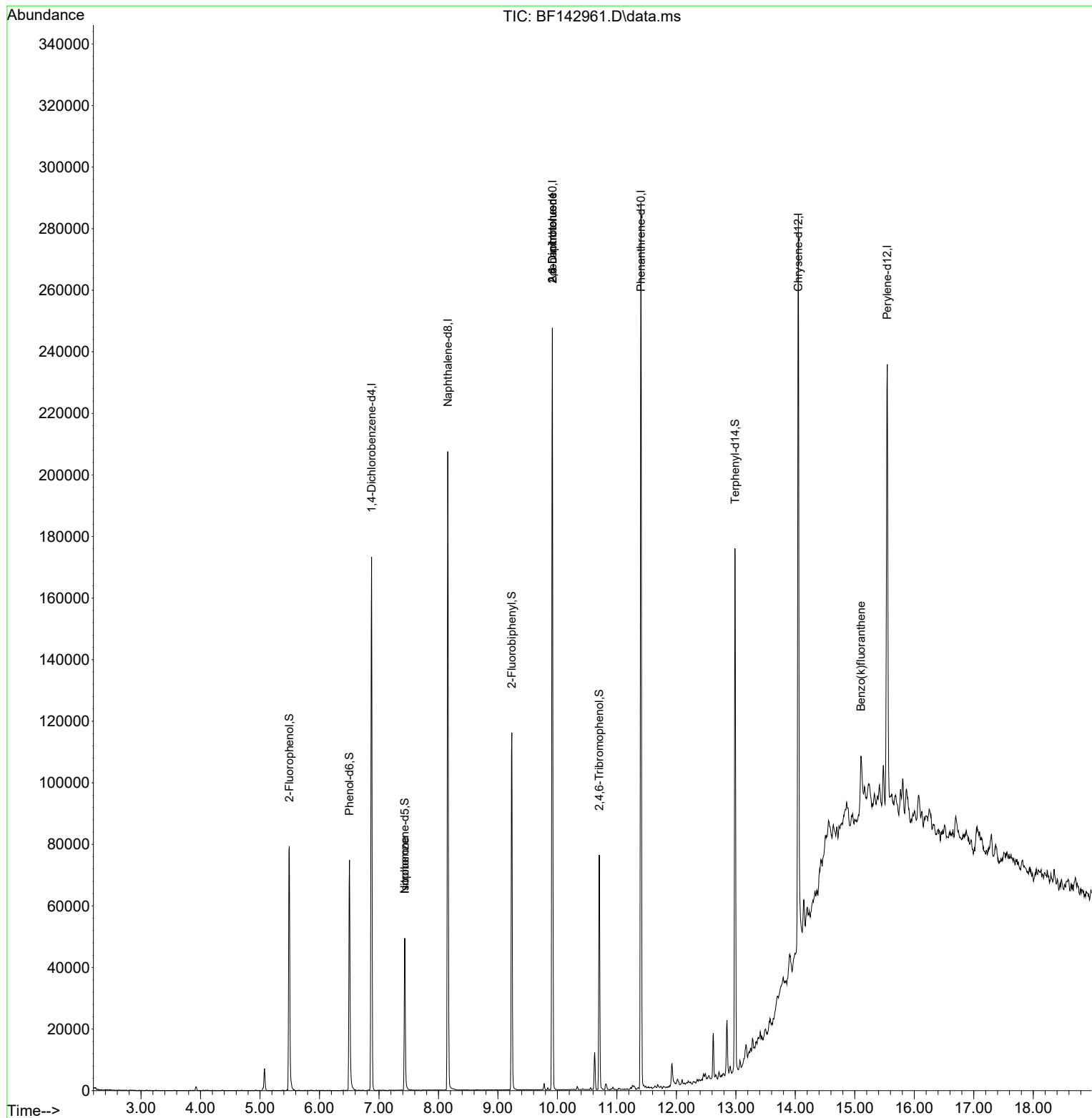
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	38271	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	133925	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	74002	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	149997	20.000	ng	0.00
76) Chrysene-d12	14.051	240	111978	20.000	ng	0.00
86) Perylene-d12	15.545	264	84459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	36283	15.784	ng	0.00
7) Phenol-d6	6.504	99	38447	14.177	ng	0.00
23) Nitrobenzene-d5	7.434	82	21999	9.010	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	13298	17.462	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	56127	9.964	ng	-0.01
79) Terphenyl-d14	12.986	244	78959	9.743	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	21999	5.617	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	9330	8.869	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	9330	6.677	ng	# 26
89) Benzo(k)fluoranthene	15.104	252	9220	2.016	ng	# 67

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

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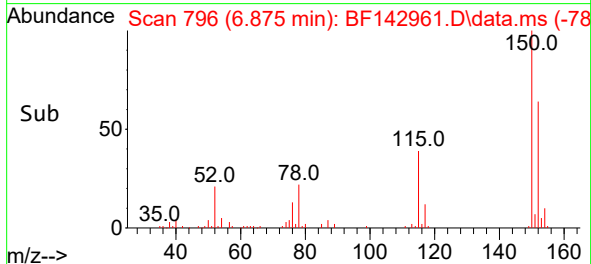
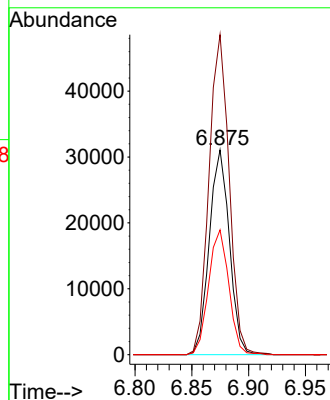
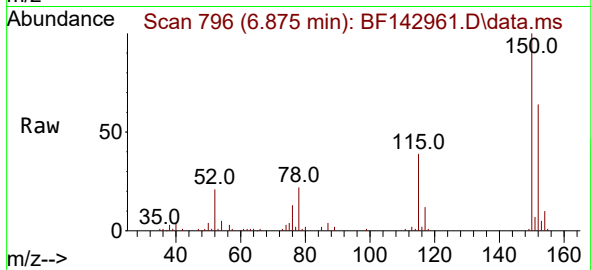




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142961.D
 Acq: 01 Jul 2025 21:04

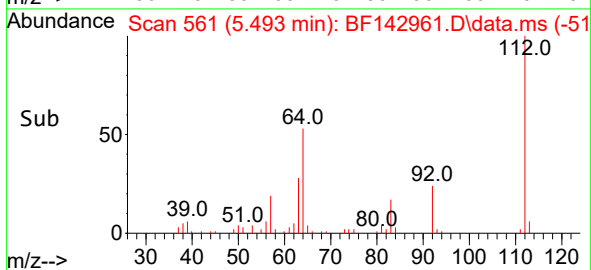
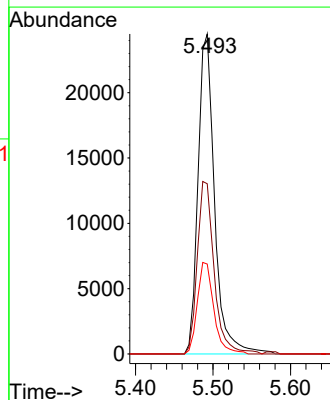
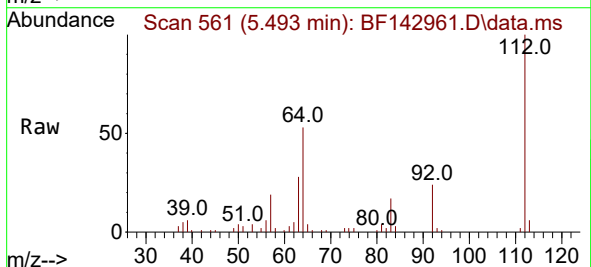
Instrument :
 BNA_F
 ClientSampleId :
 TP-55

Tgt Ion:152 Resp: 38271
 Ion Ratio Lower Upper
 152 100
 150 156.3 127.2 190.8
 115 60.9 46.6 69.8



#5
 2-Fluorophenol
 Concen: 15.784 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF142961.D
 Acq: 01 Jul 2025 21:04

Tgt Ion:112 Resp: 36283
 Ion Ratio Lower Upper
 112 100
 64 53.2 48.2 72.2
 63 28.1 25.7 38.5

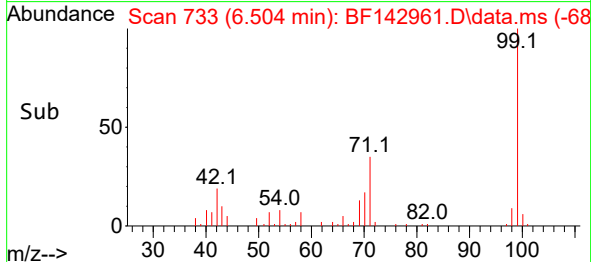
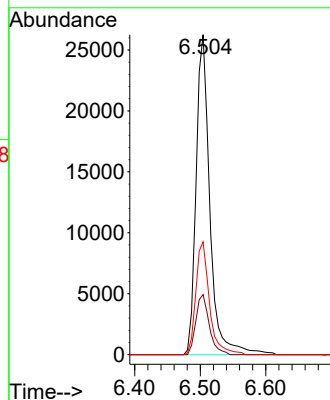
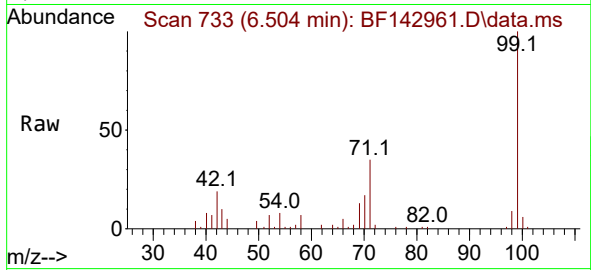




#7
Phenol-d6
Concen: 14.177 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

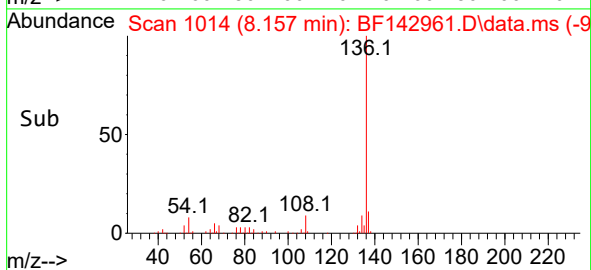
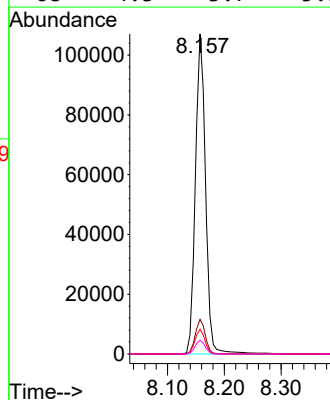
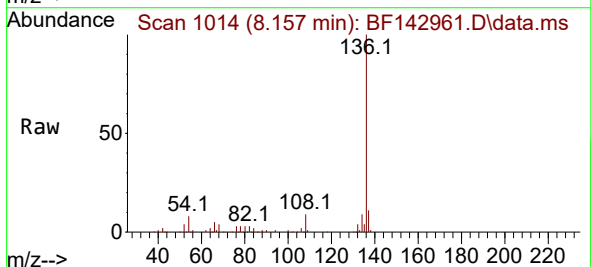
Instrument :
BNA_F
ClientSampleId :
TP-55

Tgt Ion: 99 Resp: 38447
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

Tgt Ion: 136 Resp: 133925
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.7 6.3 9.5
68 4.3 3.7 5.5

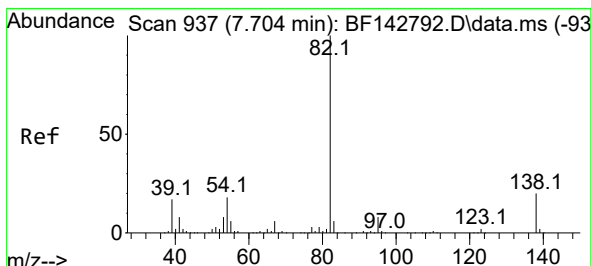
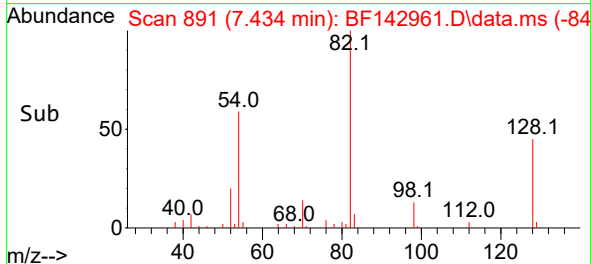
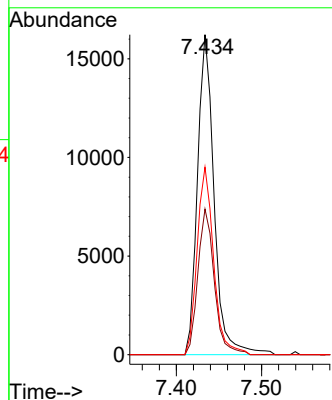
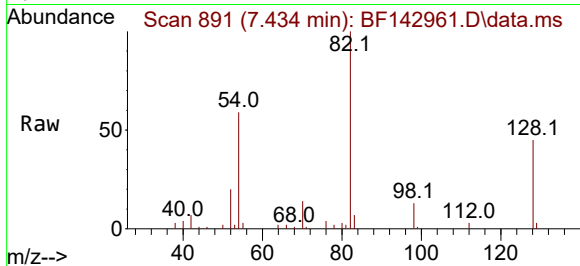




#23
Nitrobenzene-d5
Concen: 9.010 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

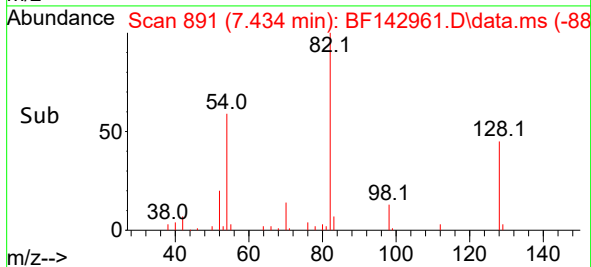
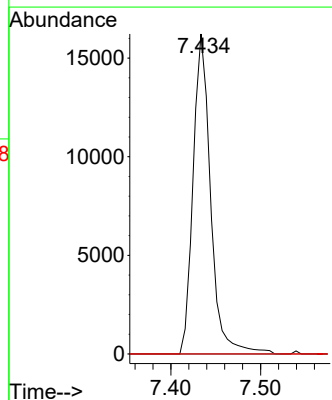
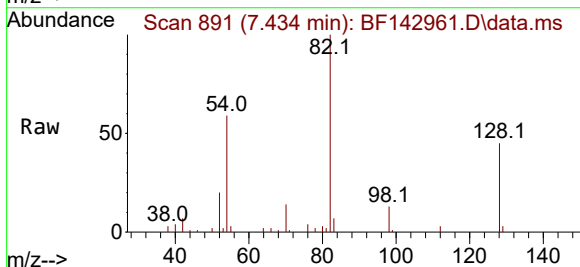
Instrument :
BNA_F
ClientSampleId :
TP-55

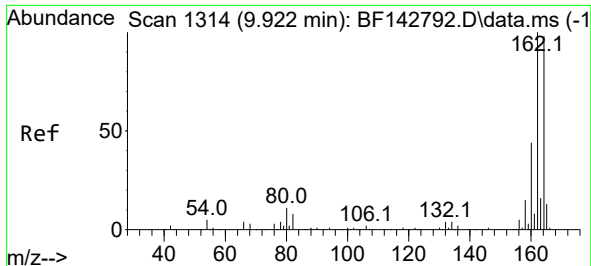
Tgt Ion: 82 Resp: 21999
Ion Ratio Lower Upper
82 100
128 45.5 37.7 56.5
54 58.6 45.7 68.5



#25
Isophorone
Concen: 5.617 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

Tgt Ion: 82 Resp: 21999
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# 11

Delta R.T. -0.006 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

TP-55

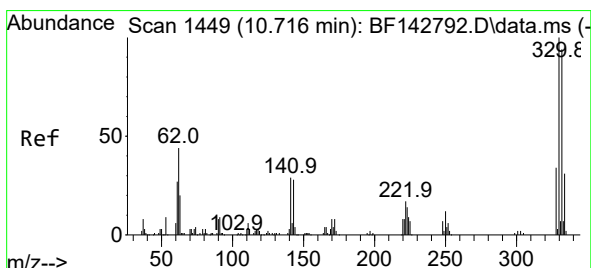
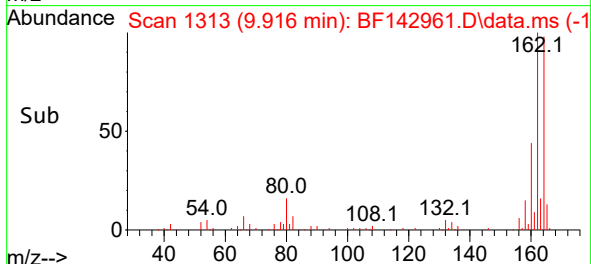
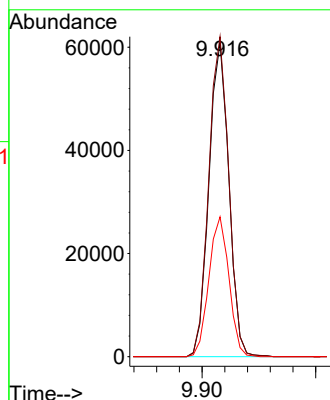
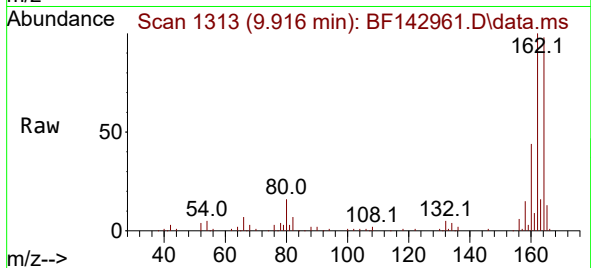
Tgt Ion:164 Resp: 74002

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.5 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 17.462 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

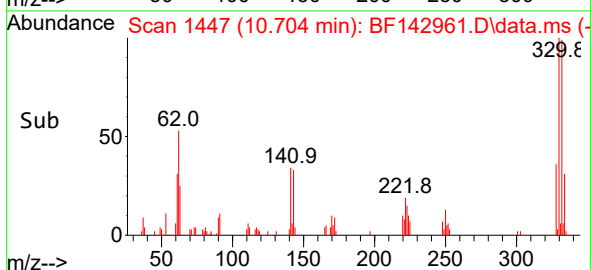
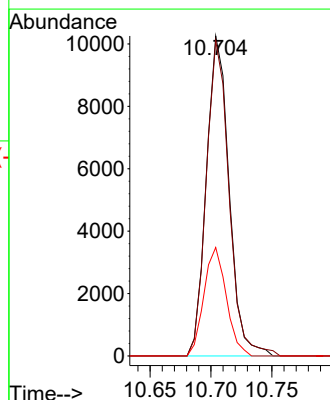
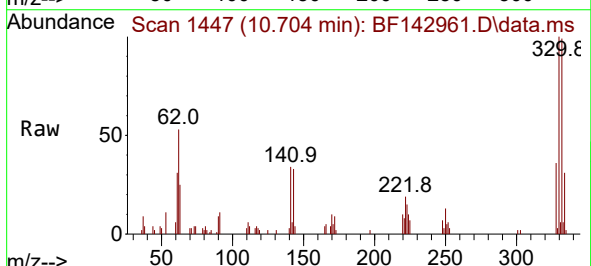
Tgt Ion:330 Resp: 13298

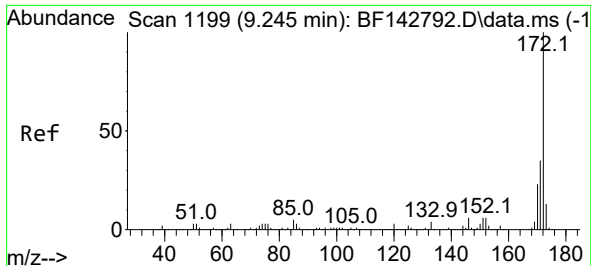
Ion Ratio Lower Upper

330 100

332 98.4 75.0 112.6

141 33.3 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 9.964 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

TP-55

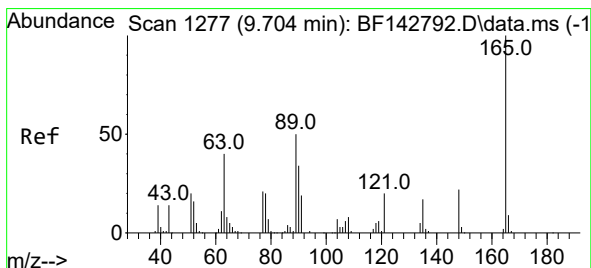
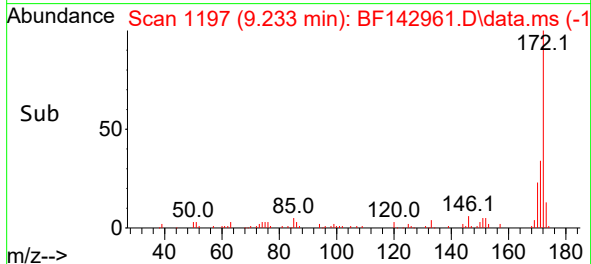
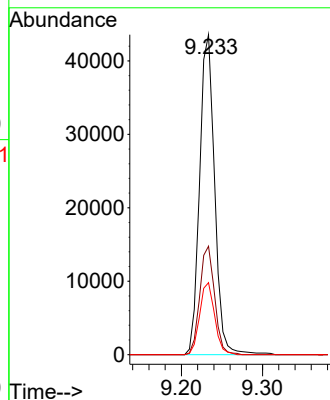
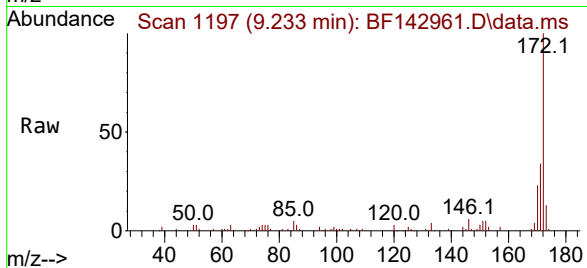
Tgt Ion:172 Resp: 56127

Ion Ratio Lower Upper

172 100

171 33.9 28.2 42.4

170 22.5 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.869 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

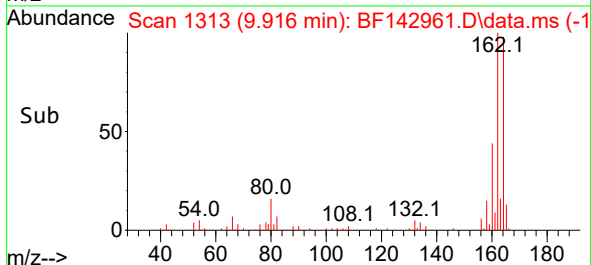
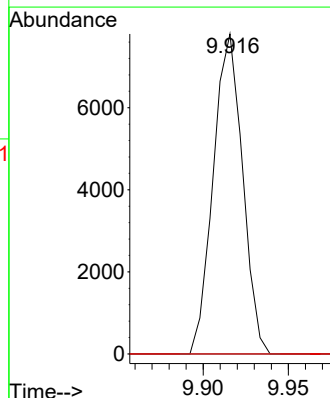
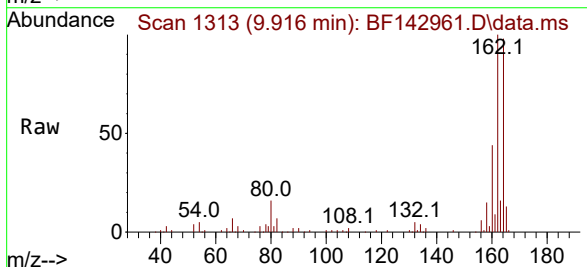
Tgt Ion:165 Resp: 9330

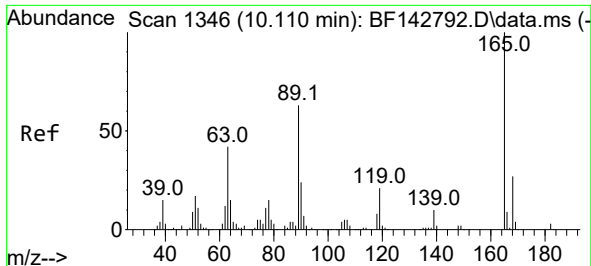
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

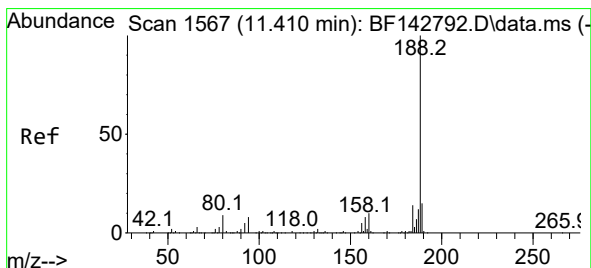
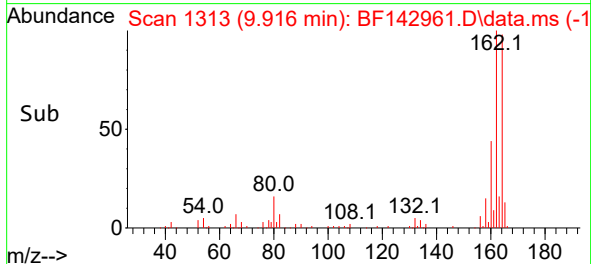
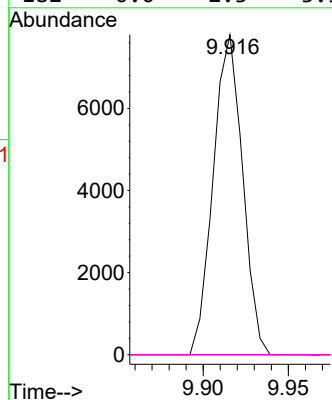
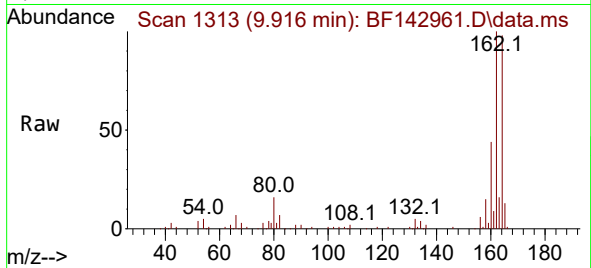




#57
2,4-Dinitrotoluene
Concen: 6.677 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

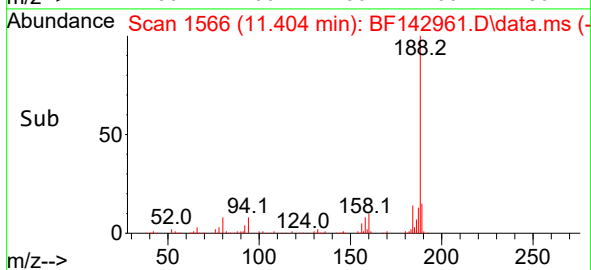
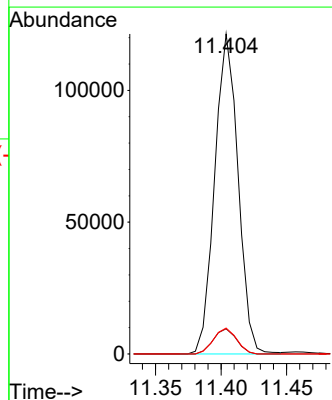
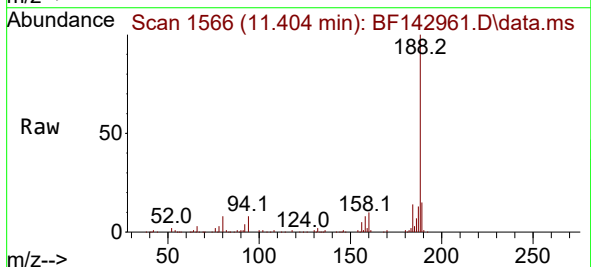
Instrument :
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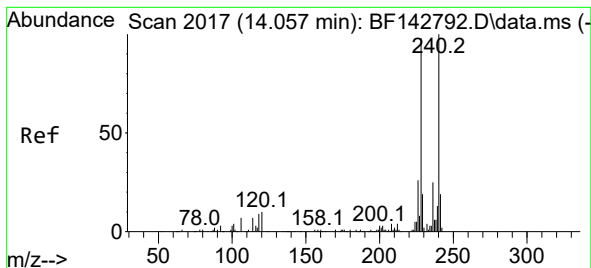
Tgt Ion:165 Resp: 9330
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142961.D
Acq: 01 Jul 2025 21:04

Tgt Ion:188 Resp: 149997
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.1 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

TP-55

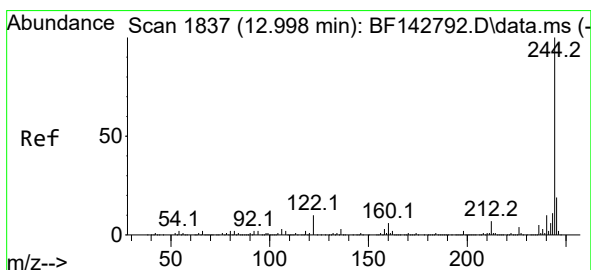
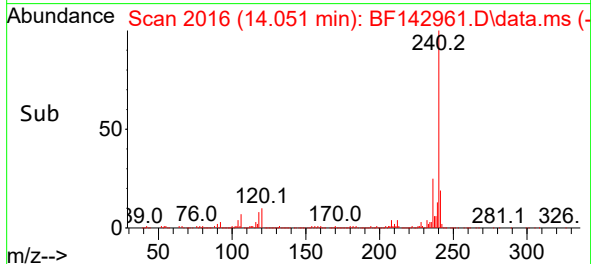
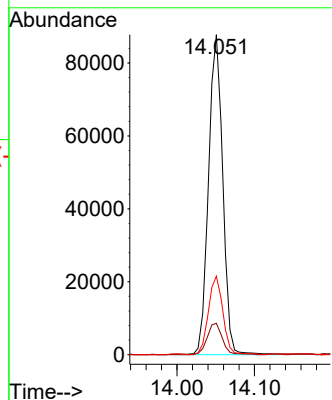
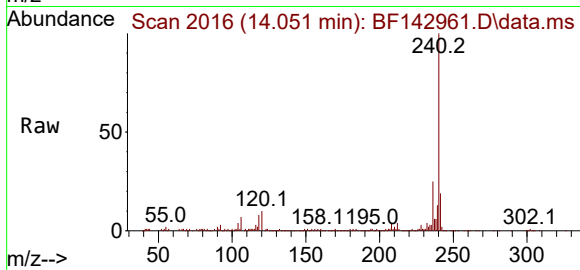
Tgt Ion:240 Resp: 111978

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 24.5 19.8 29.8



#79

Terphenyl-d14

Concen: 9.743 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

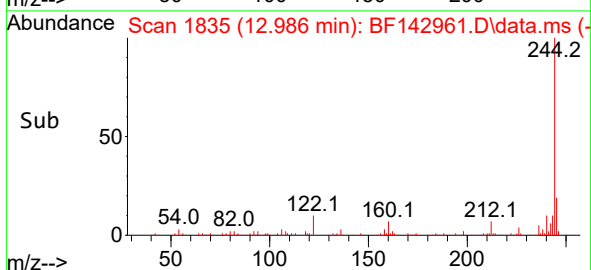
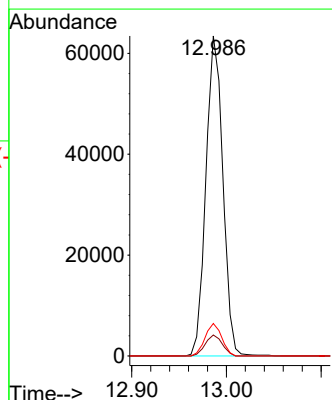
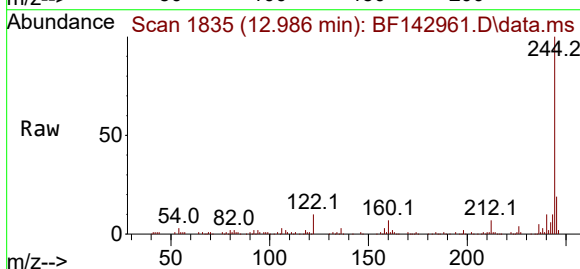
Tgt Ion:244 Resp: 78959

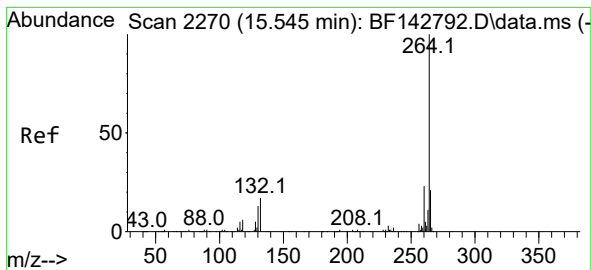
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

Instrument :

BNA_F

ClientSampleId :

TP-55

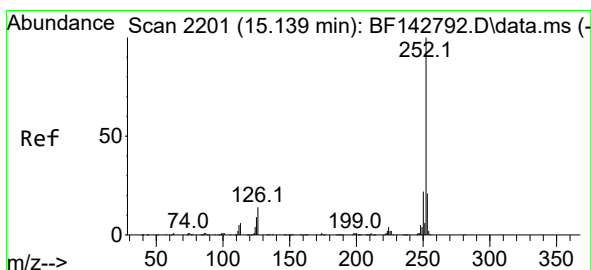
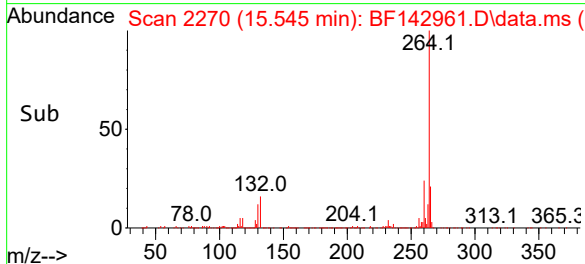
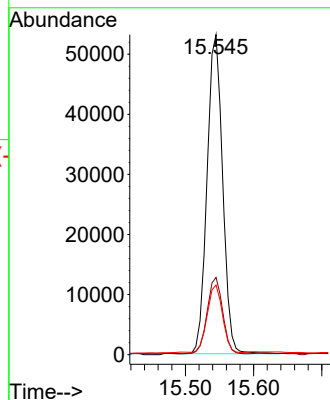
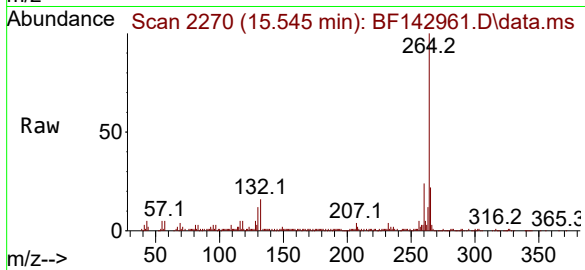
Tgt Ion:264 Resp: 84459

Ion Ratio Lower Upper

264 100

260 24.1 18.1 27.1

265 21.8 16.6 25.0



#89

Benzo(k)fluoranthene

Concen: 2.016 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142961.D

Acq: 01 Jul 2025 21:04

Tgt Ion:252 Resp: 9220

Ion Ratio Lower Upper

252 100

253 36.1 17.2 25.8#

125 23.0 7.4 11.2#

