

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142858.D
 Acq On : 26 Jun 2025 10:08
 Operator : RC/JU
 Sample : PB168610BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168610BL

Quant Time: Jun 26 11:56:06 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)

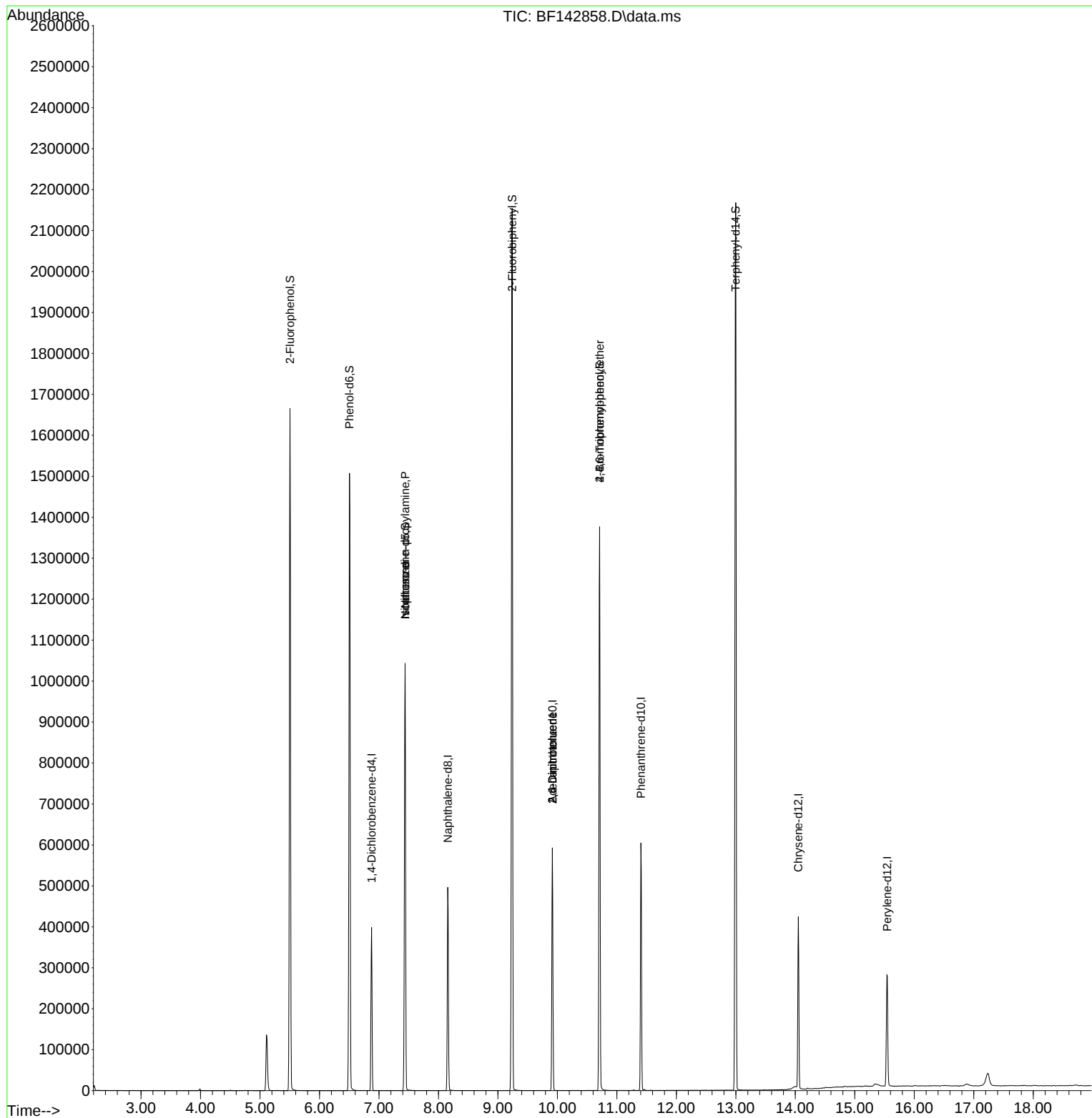
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	86147	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	334021	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	181418	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	317100	20.000	ng	0.00
76) Chrysene-d12	14.051	240	205968	20.000	ng	0.00
86) Perylene-d12	15.545	264	169254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	657205	127.015	ng	0.01
7) Phenol-d6	6.504	99	759658	124.441	ng	0.00
23) Nitrobenzene-d5	7.440	82	485282	79.690	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	251252	134.581	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1049339	75.984	ng	0.00
79) Terphenyl-d14	12.998	244	1117820	74.987	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	65420	18.426	ng	# 75
25) Isophorone	7.440	82	485071	49.656	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	22732	8.815	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	22732	6.636	ng	# 28
67) 4-Bromophenyl-phenylether	10.710	248	15740	4.361	ng	# 1

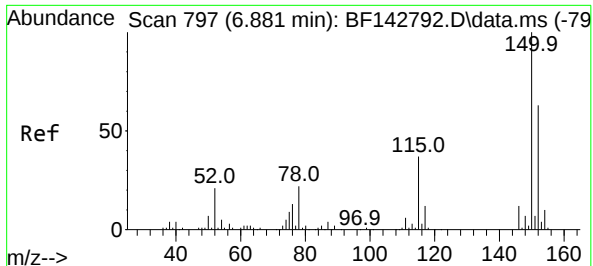
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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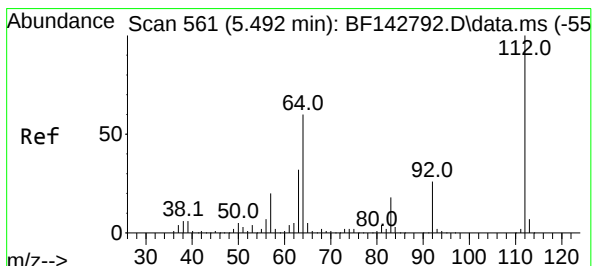
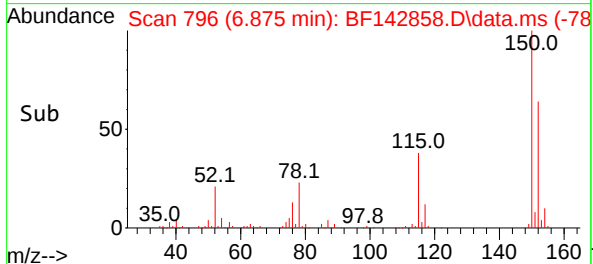
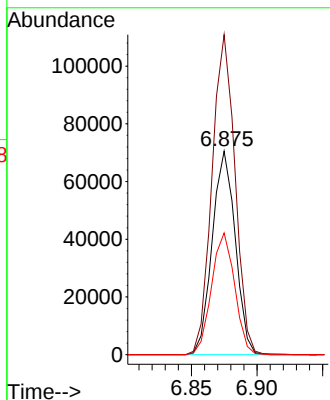
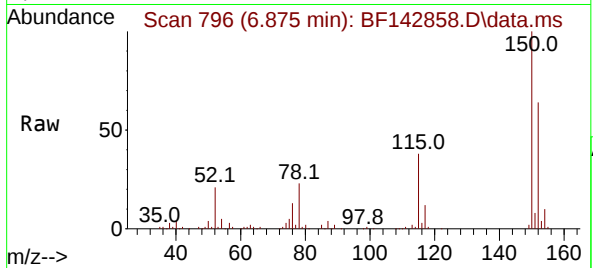




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

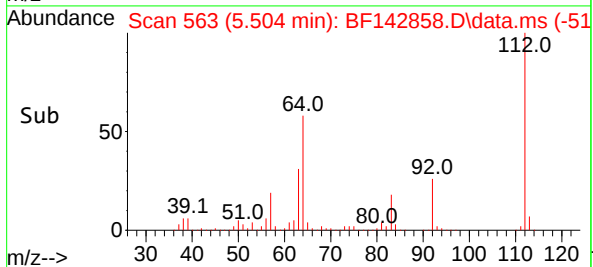
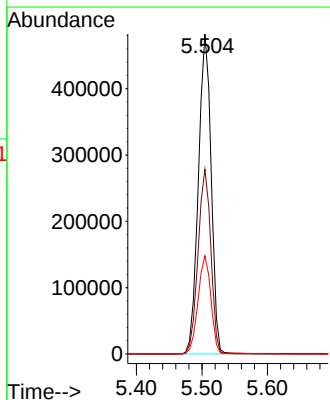
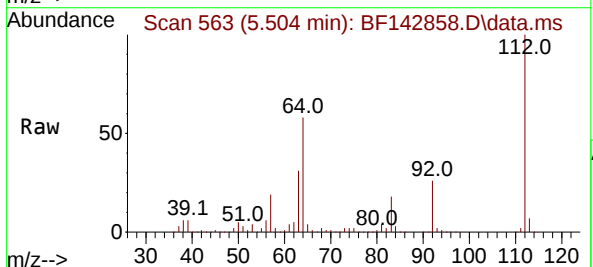
Instrument :
BNA_F
ClientSampleId :
PB168610BL

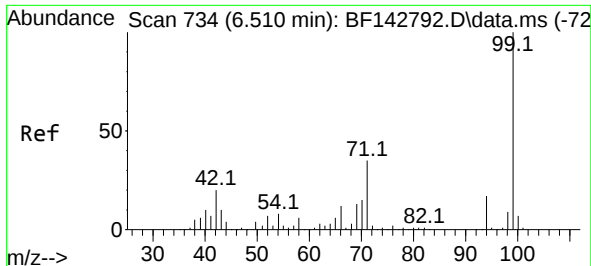
Tgt Ion:152 Resp: 86147
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 59.8 46.6 69.8



#5
2-Fluorophenol
Concen: 127.015 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

Tgt Ion:112 Resp: 657205
Ion Ratio Lower Upper
112 100
64 57.7 48.2 72.2
63 30.7 25.7 38.5

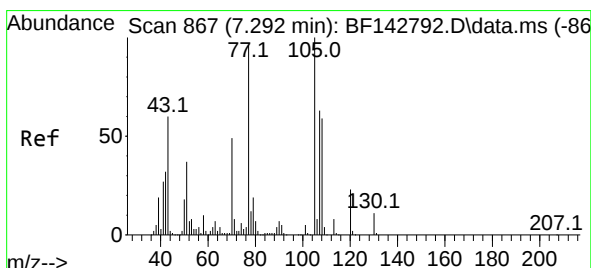
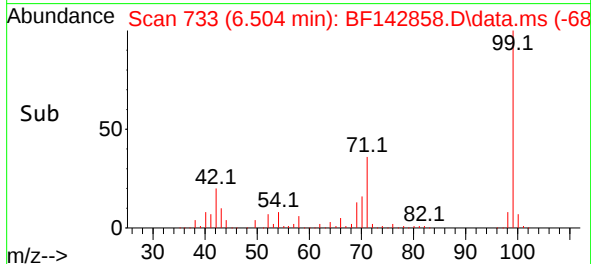
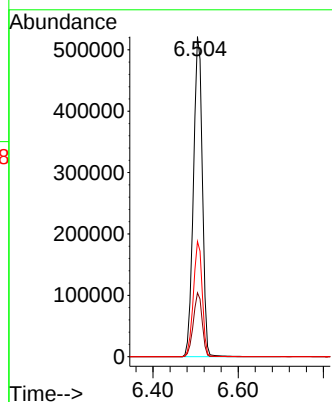
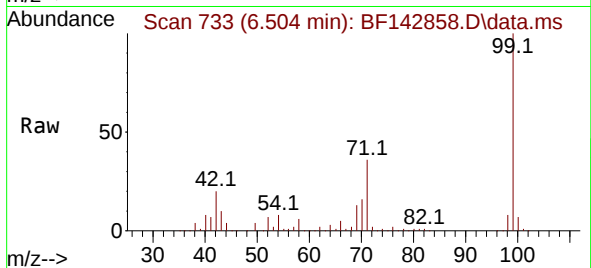




#7
Phenol-d6
Concen: 124.441 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

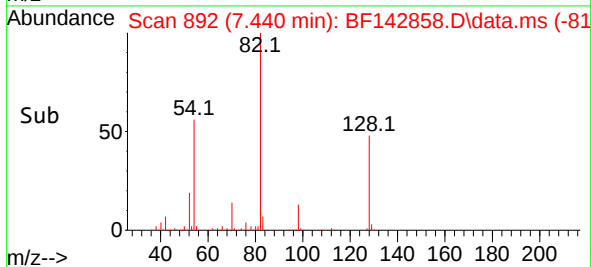
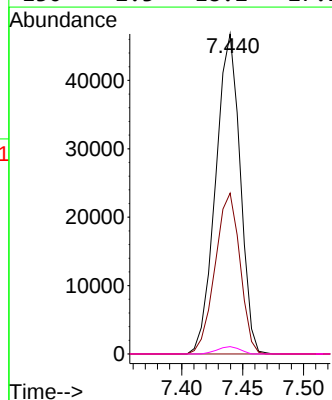
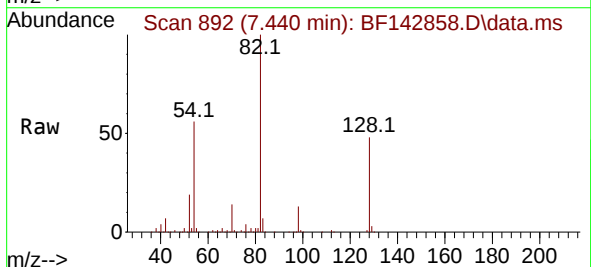
Instrument :
BNA_F
ClientSampleId :
PB168610BL

Tgt Ion: 99 Resp: 759658
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 36.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.426 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

Tgt Ion: 70 Resp: 65420
Ion Ratio Lower Upper
70 100
42 50.3 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

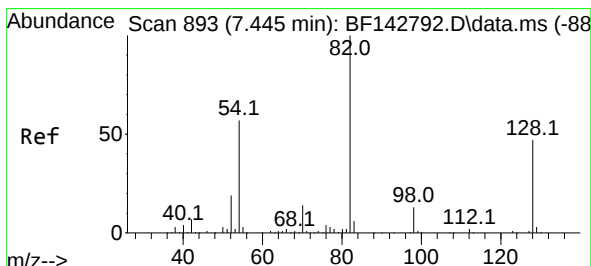
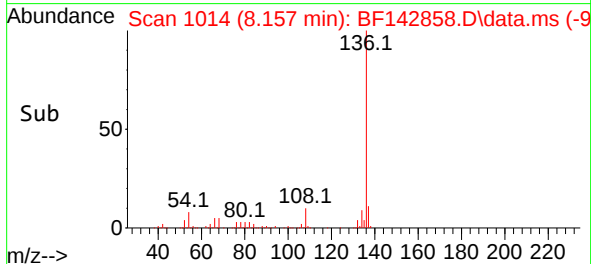
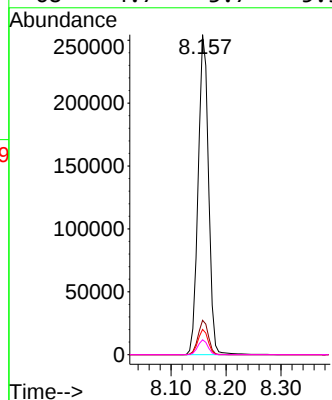
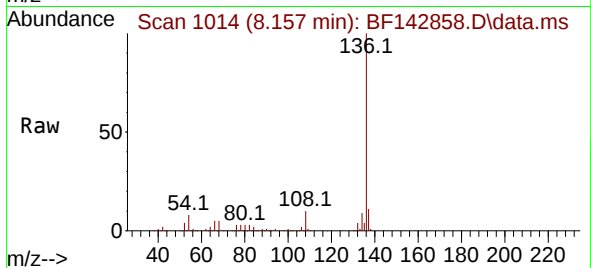




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

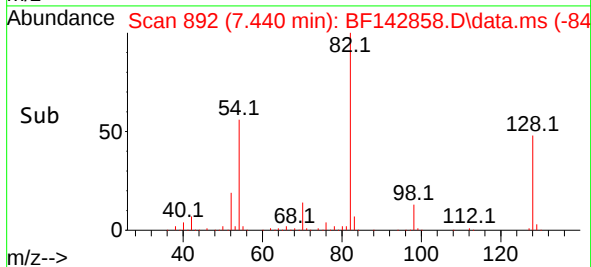
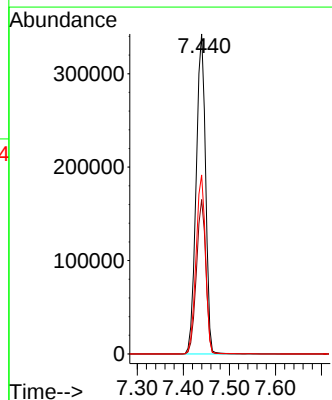
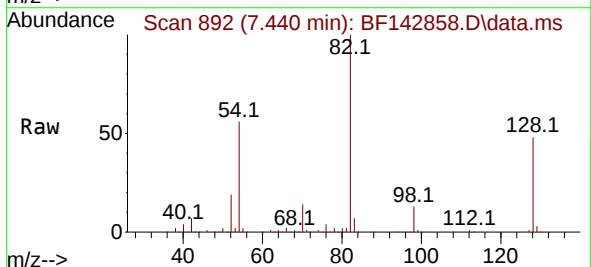
Instrument :
BNA_F
ClientSampleId :
PB168610BL

Tgt Ion:136 Resp: 334021
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.9 6.3 9.5
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.690 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

Tgt Ion: 82 Resp: 485282
Ion Ratio Lower Upper
82 100
128 48.2 37.7 56.5
54 55.9 45.7 68.5

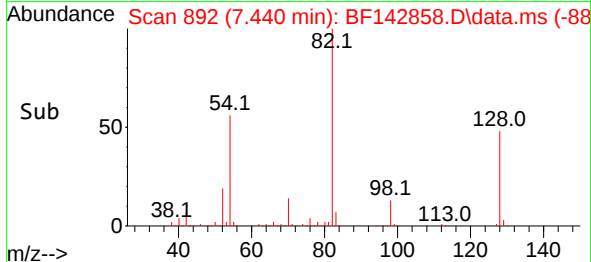
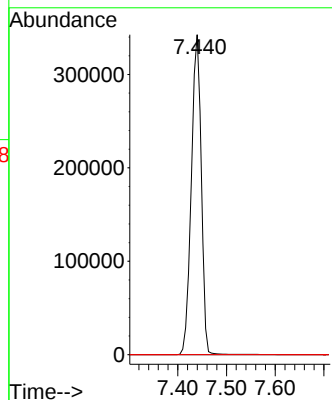
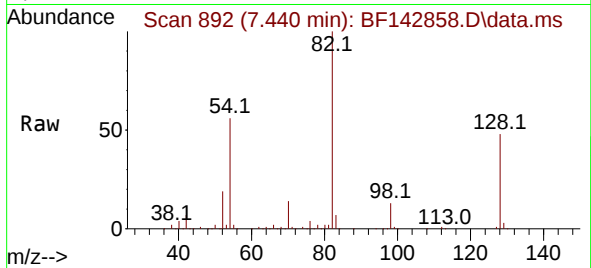




#25
Isophorone
Concen: 49.656 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

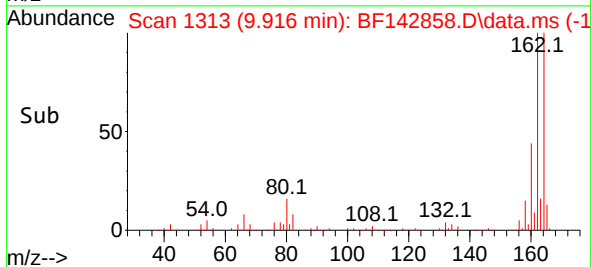
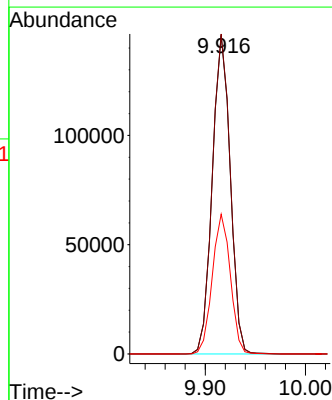
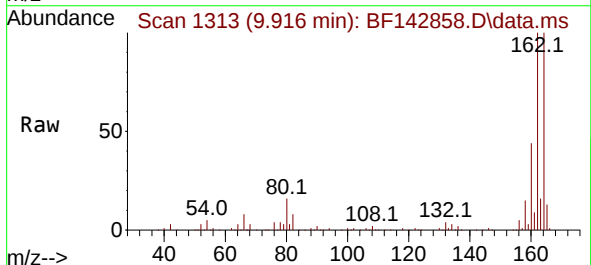
Instrument :
BNA_F
ClientSampleId :
PB168610BL

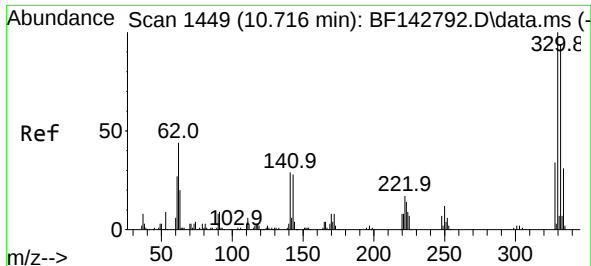
Tgt Ion: 82 Resp: 485071
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

Tgt Ion:164 Resp: 181418
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.8
160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 134.581 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142858.D

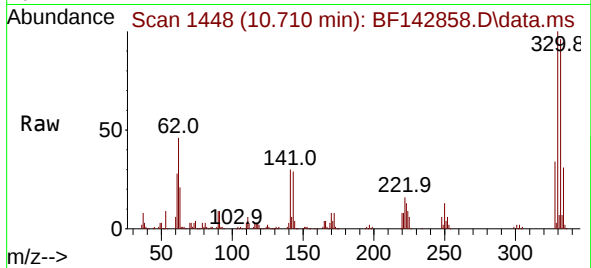
Acq: 26 Jun 2025 10:08

Instrument :

BNA_F

ClientSampleId :

PB168610BL



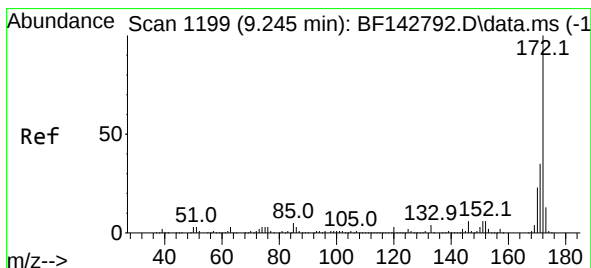
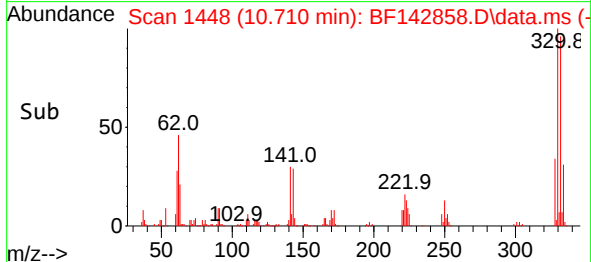
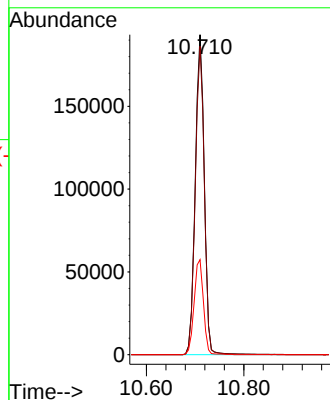
Tgt Ion:330 Resp: 251252

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 30.6 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 75.984 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142858.D

Acq: 26 Jun 2025 10:08

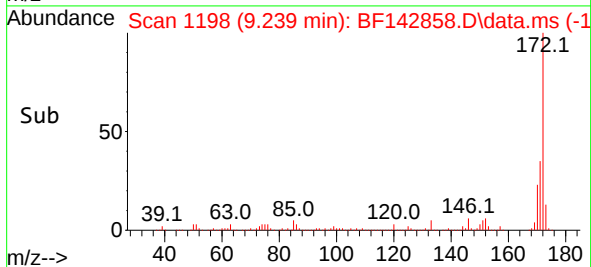
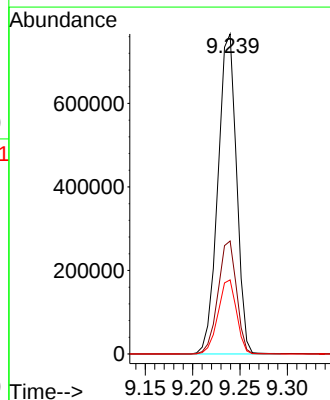
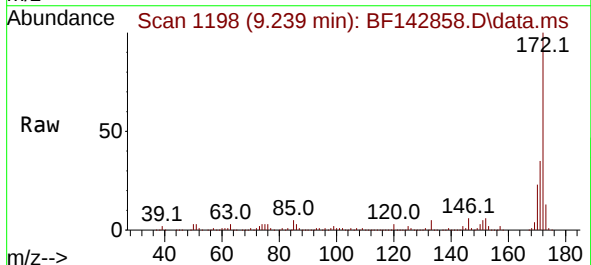
Tgt Ion:172 Resp: 1049339

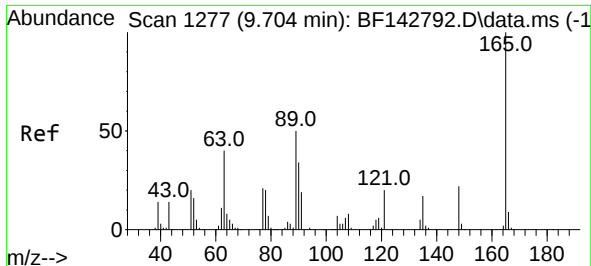
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.5 27.7

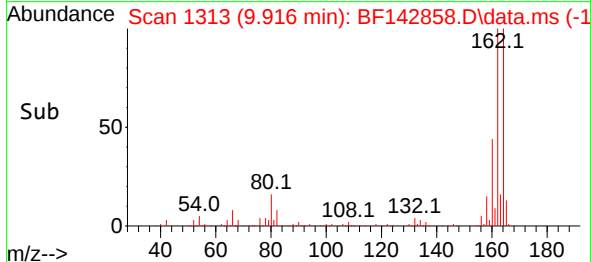
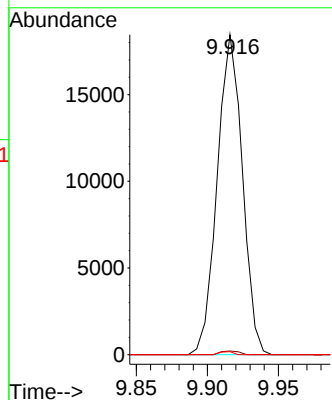
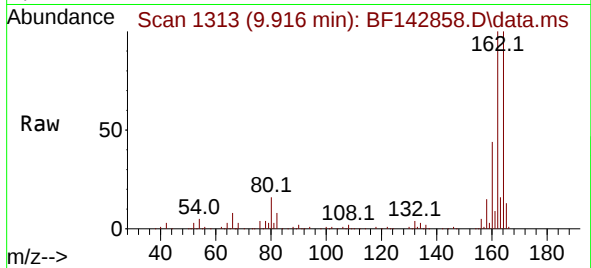




#51
2,6-Dinitrotoluene
Concen: 8.815 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

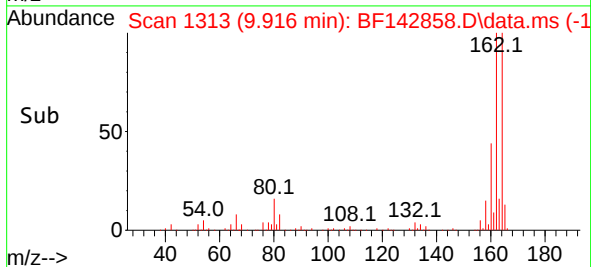
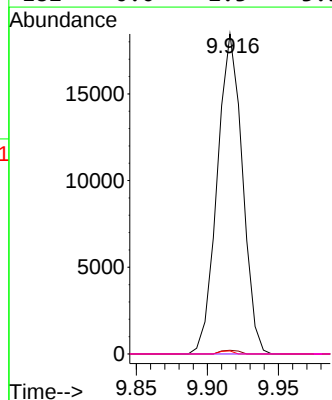
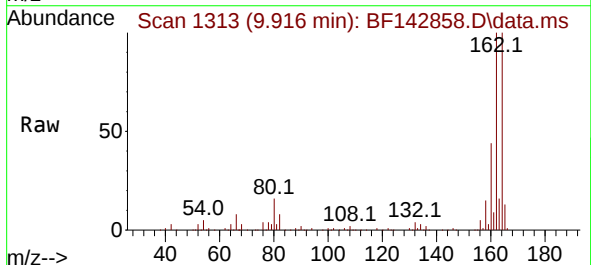
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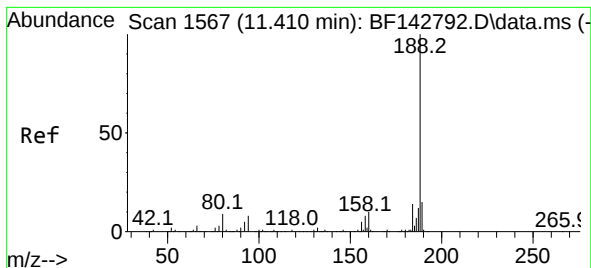
Tgt Ion:165 Resp: 22732
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 1.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.636 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142858.D
Acq: 26 Jun 2025 10:08

Tgt Ion:165 Resp: 22732
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 1.0 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: BF142858.D

Acq: 26 Jun 2025 10:08

Instrument :

BNA_F

ClientSampleId :

PB168610BL

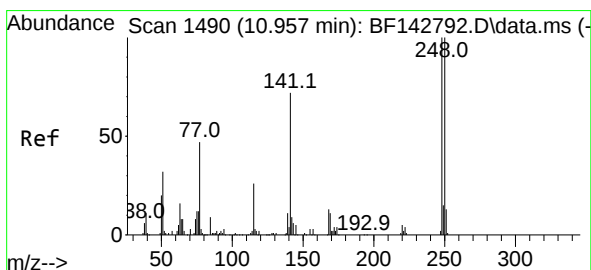
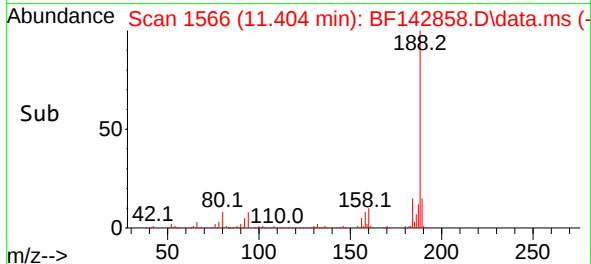
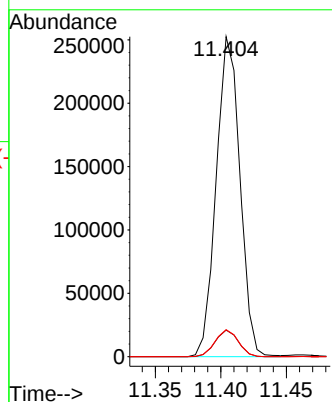
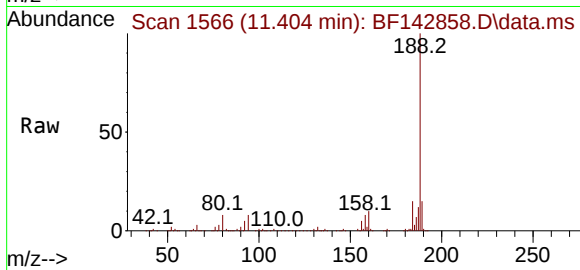
Tgt Ion:188 Resp: 317100

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.4 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.361 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142858.D

Acq: 26 Jun 2025 10:08

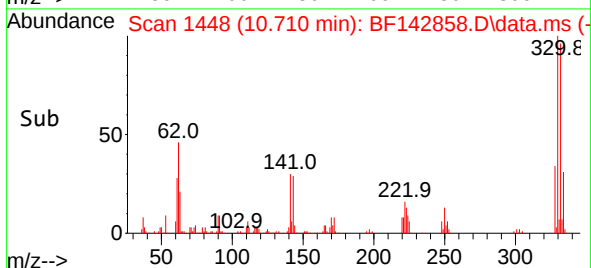
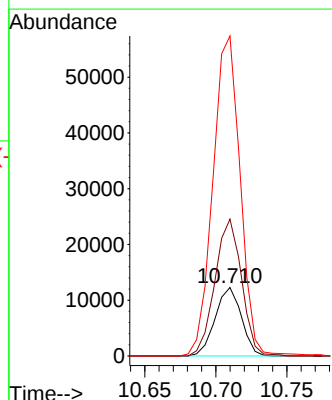
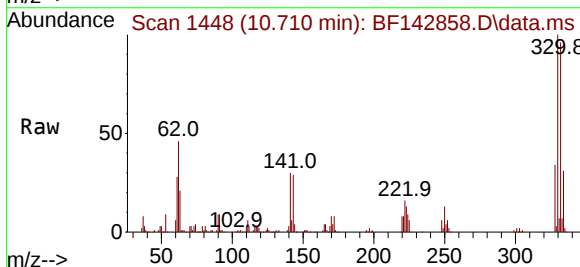
Tgt Ion:248 Resp: 15740

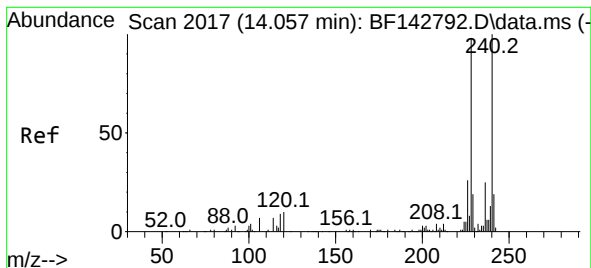
Ion Ratio Lower Upper

248 100

250 199.5 79.8 119.8#

141 466.8 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: BF142858.D

Acq: 26 Jun 2025 10:08

Instrument :

BNA_F

ClientSampleId :

PB168610BL

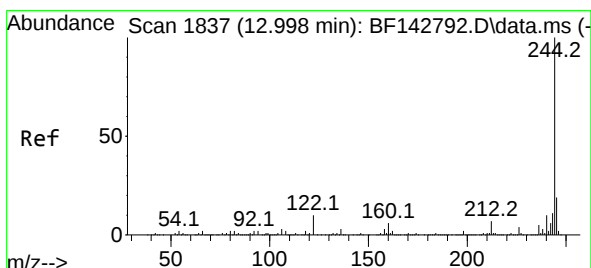
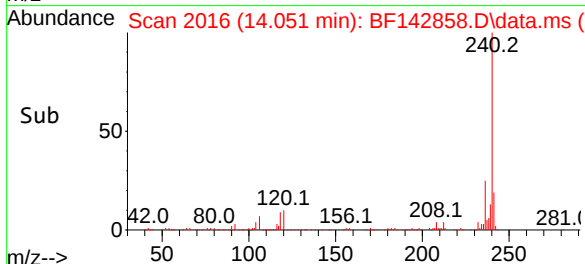
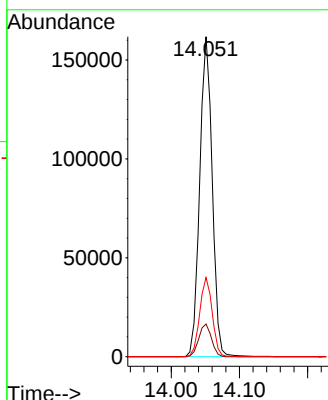
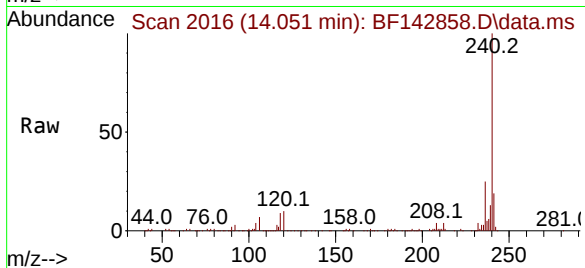
Tgt Ion:240 Resp: 205968

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 24.8 19.8 29.8



#79

Terphenyl-d14

Concen: 74.987 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142858.D

Acq: 26 Jun 2025 10:08

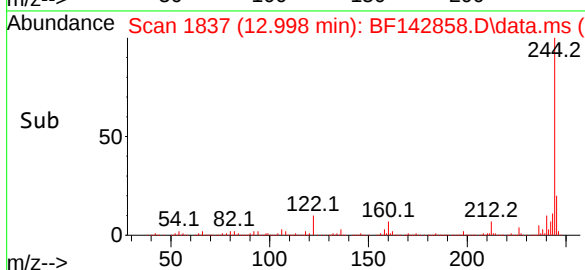
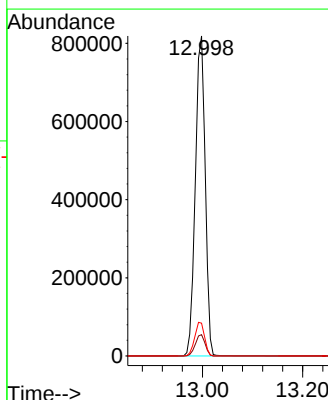
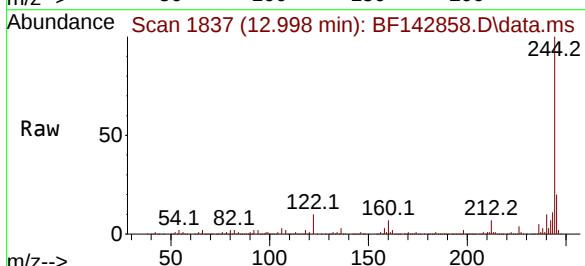
Tgt Ion:244 Resp: 1117820

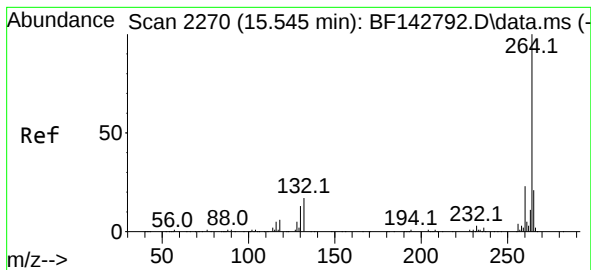
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142858.D

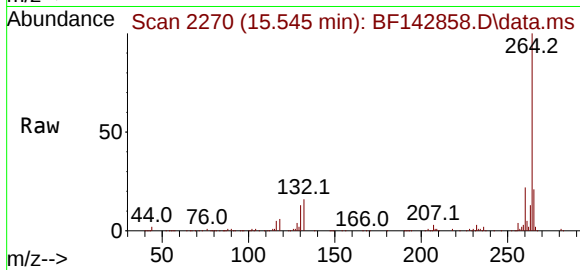
Acq: 26 Jun 2025 10:08

Instrument :

BNA_F

ClientSampleId :

PB168610BL



Tgt Ion:264 Resp: 169254

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.4 16.6 25.0

