

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143049.D
 Acq On : 09 Jul 2025 11:23
 Operator : RC/JU
 Sample : PB168737BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BL

Quant Time: Jul 09 11:44:24 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)

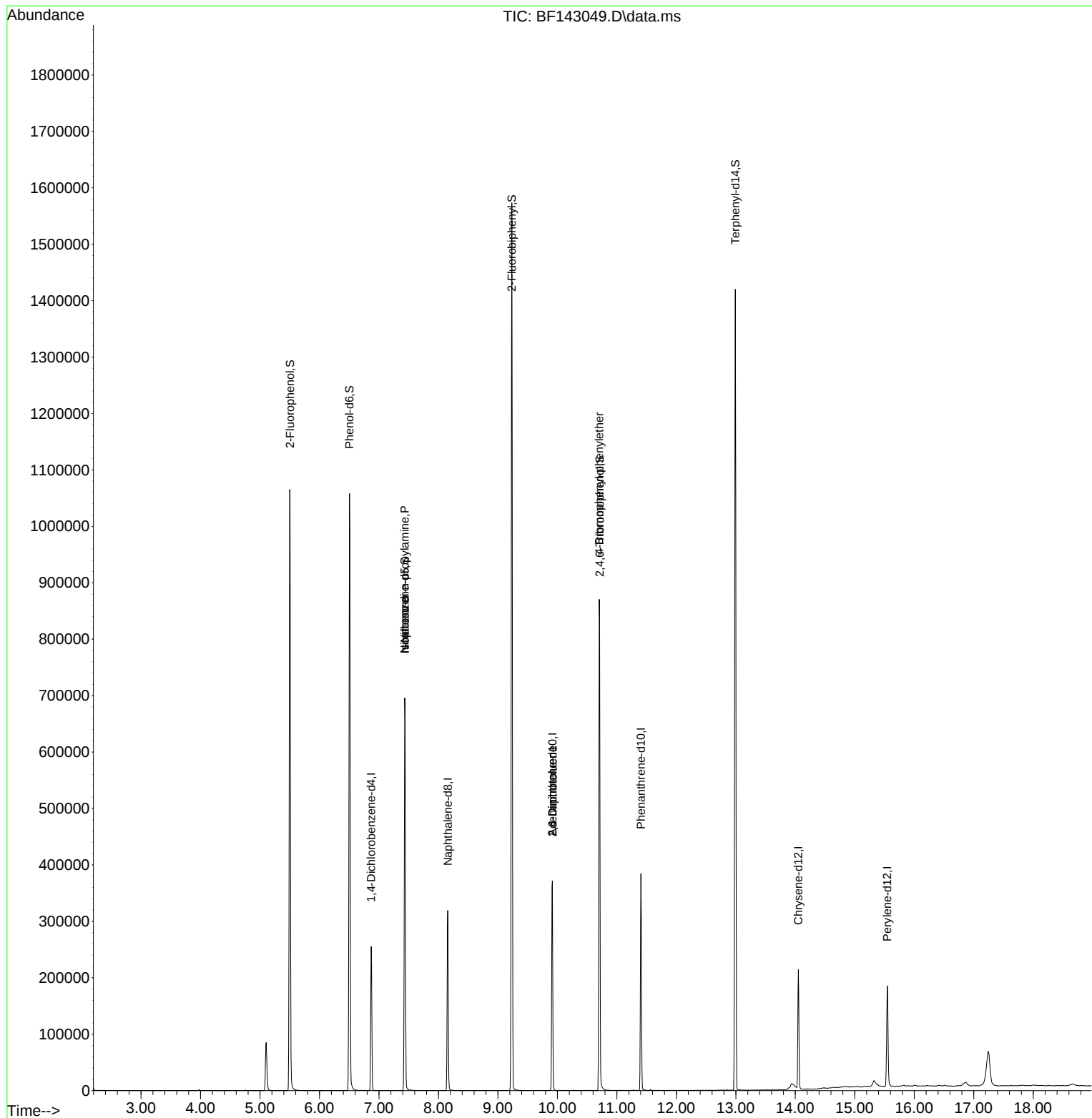
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57363	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	220874	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	118712	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	203771	20.000	ng	0.00
76) Chrysene-d12	14.051	240	110413	20.000	ng	0.00
86) Perylene-d12	15.545	264	115591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	438392	127.240	ng	0.01
7) Phenol-d6	6.504	99	520917	128.151	ng	0.00
23) Nitrobenzene-d5	7.434	82	322973	80.206	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	161220	131.971	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	718776	79.540	ng	-0.01
79) Terphenyl-d14	12.992	244	692069	86.605	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	43229	18.285	ng	# 74
25) Isophorone	7.434	82	320998	49.693	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	15130	8.966	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	15130	6.750	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10257	4.423	ng	# 1

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

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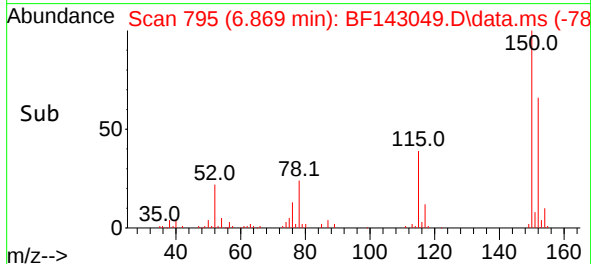
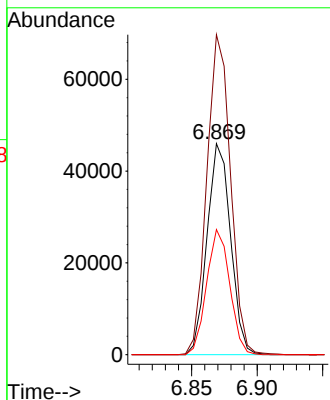
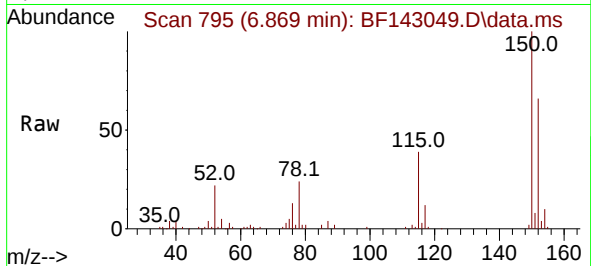




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

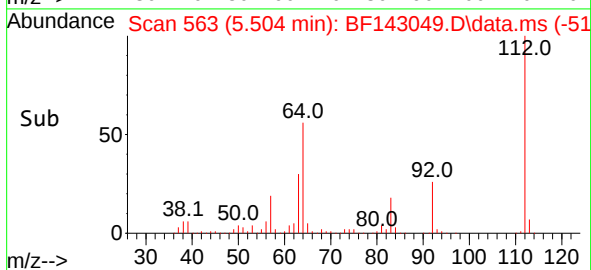
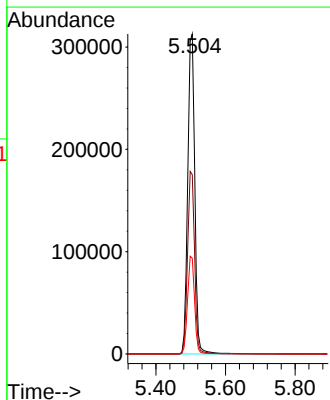
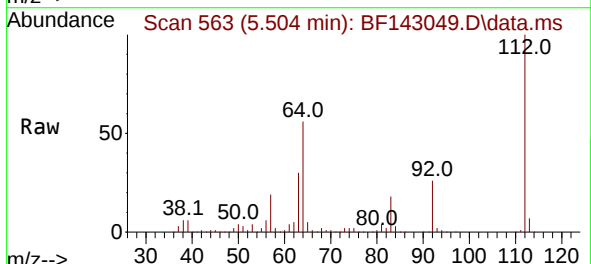
Instrument :
BNA_F
ClientSampleId :
PB168737BL

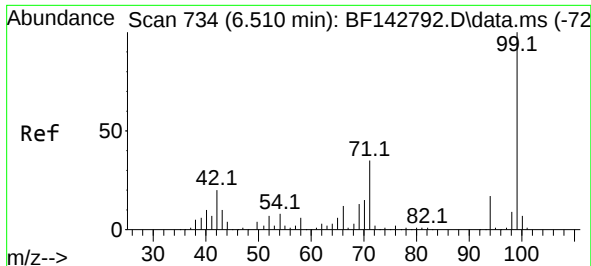
Tgt Ion:152 Resp: 57363
Ion Ratio Lower Upper
152 100
150 151.6 127.2 190.8
115 59.3 46.6 69.8



#5
2-Fluorophenol
Concen: 127.240 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion:112 Resp: 438392
Ion Ratio Lower Upper
112 100
64 56.0 48.2 72.2
63 29.9 25.7 38.5

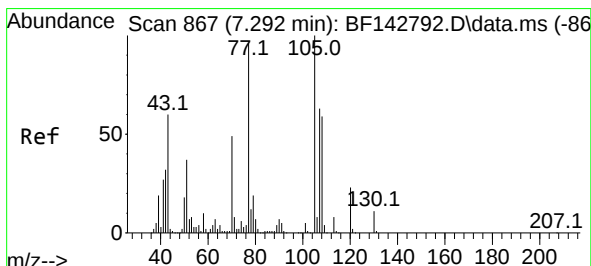
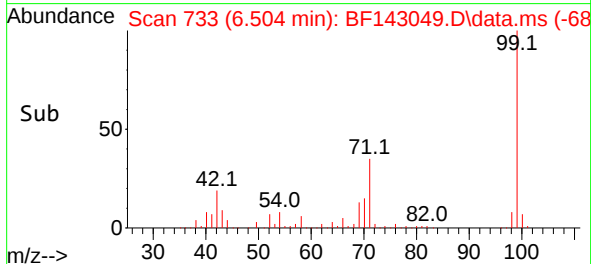
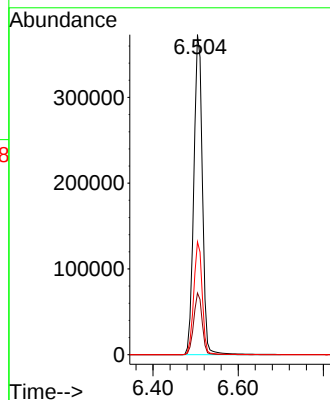
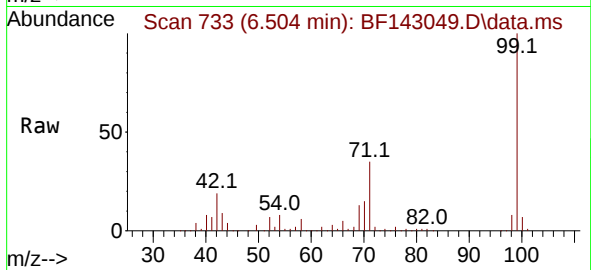




#7
Phenol-d6
Concen: 128.151 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

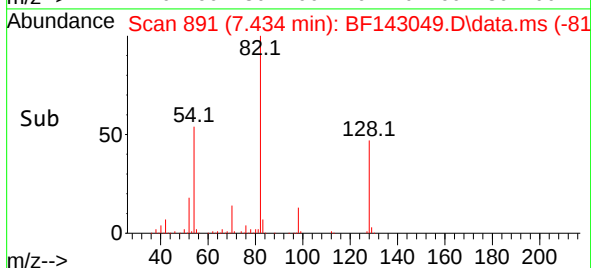
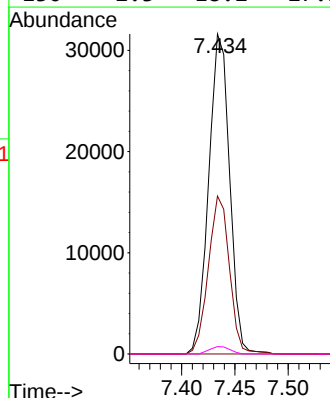
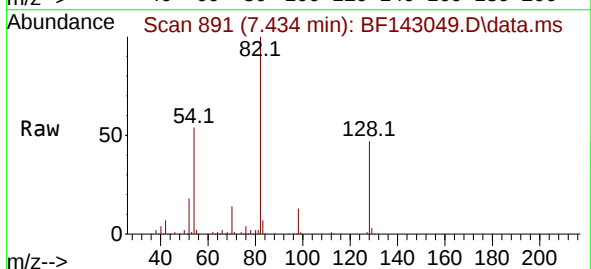
Instrument :
BNA_F
ClientSampleId :
PB168737BL

Tgt Ion: 99 Resp: 520917
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.285 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion: 70 Resp: 43229
Ion Ratio Lower Upper
70 100
42 49.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



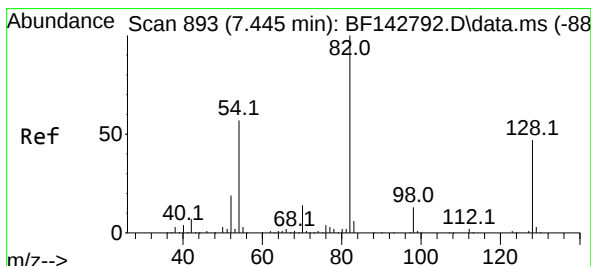
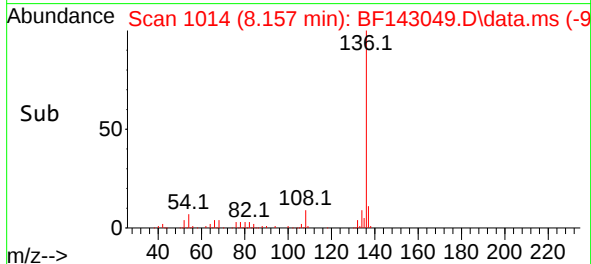
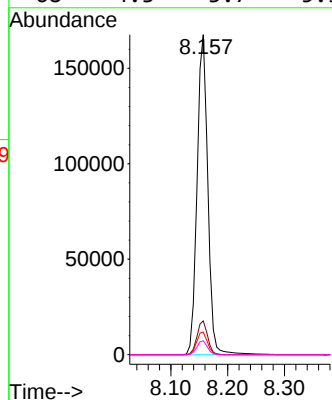
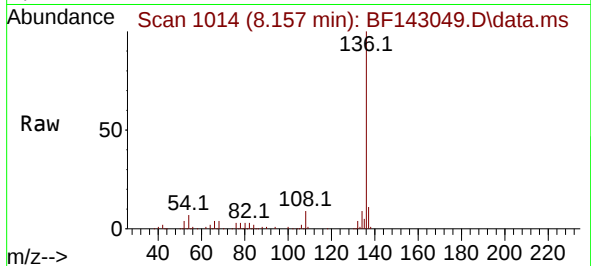


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Instrument :
BNA_F
ClientSampleId :
PB168737BL

Tgt Ion:136 Resp: 220874

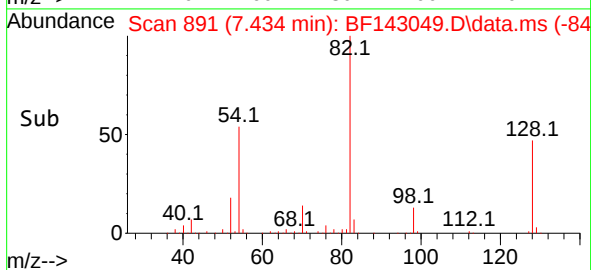
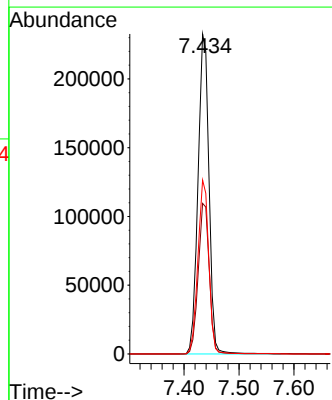
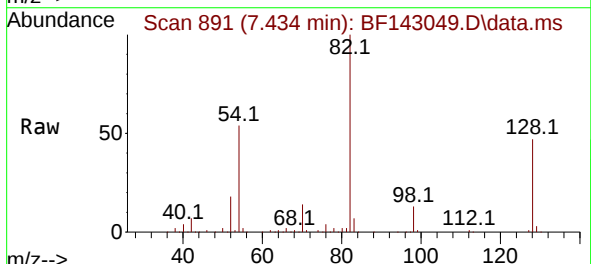
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.1	6.3	9.5
68	4.3	3.7	5.5



#23
Nitrobenzene-d5
Concen: 80.206 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion: 82 Resp: 322973

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	54.3	45.7	68.5

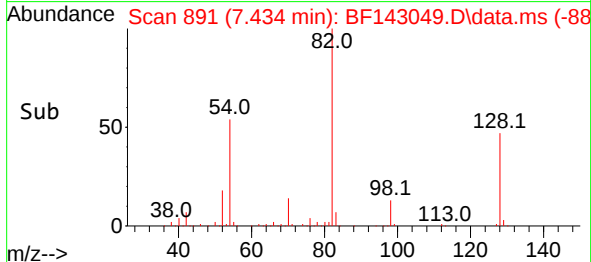
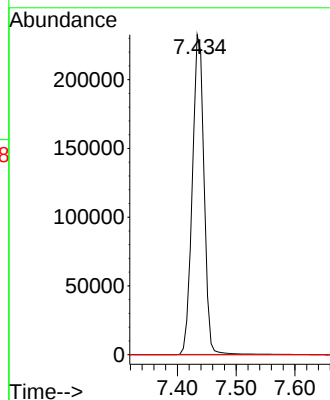
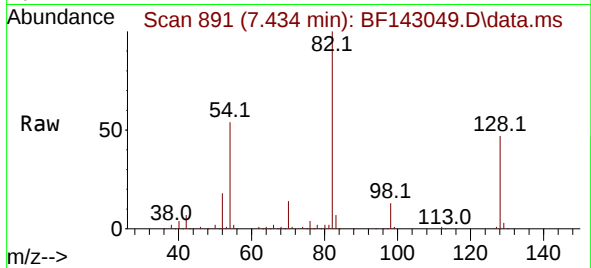




#25
Isophorone
Concen: 49.693 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

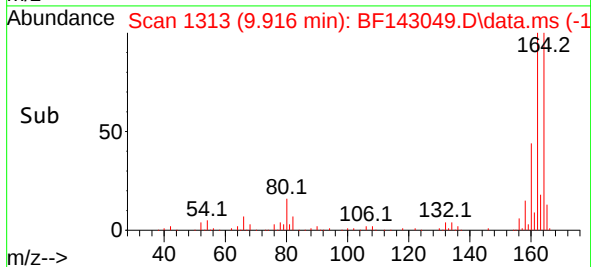
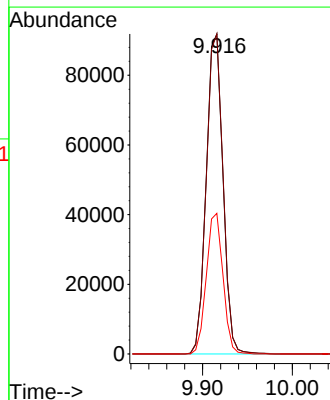
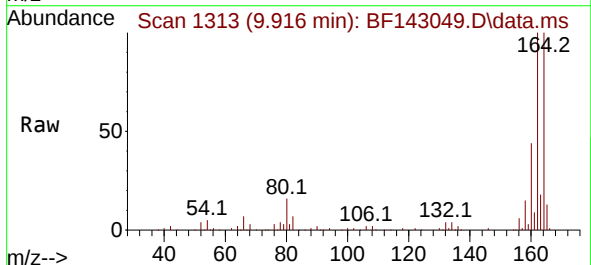
Instrument :
BNA_F
ClientSampleId :
PB168737BL

Tgt Ion: 82 Resp: 320998
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: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion:164 Resp: 118712
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.8
160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 131.971 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL

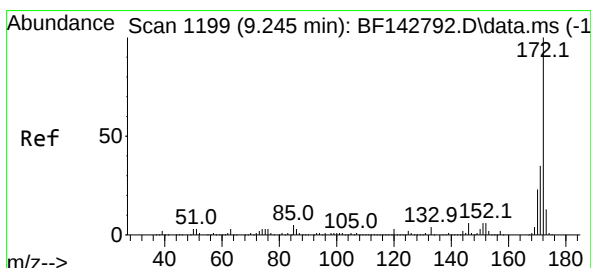
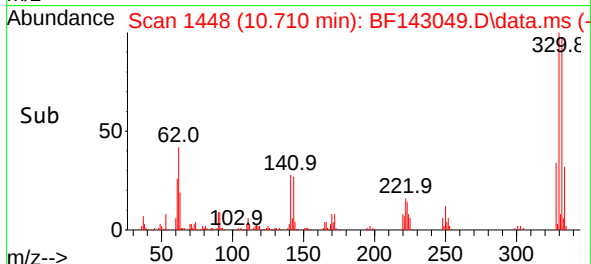
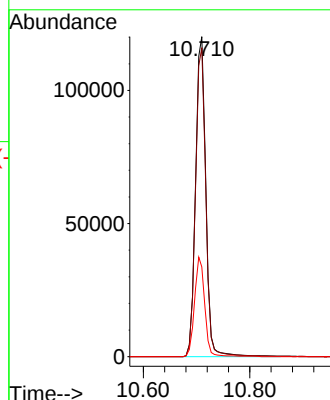
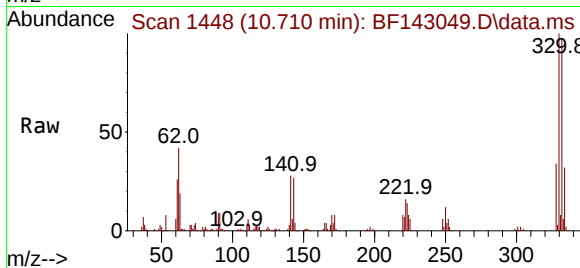
Tgt Ion:330 Resp: 161220

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 31.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 79.540 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

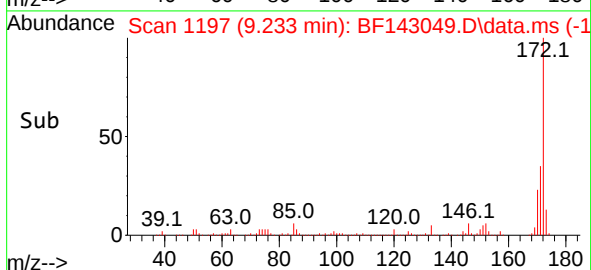
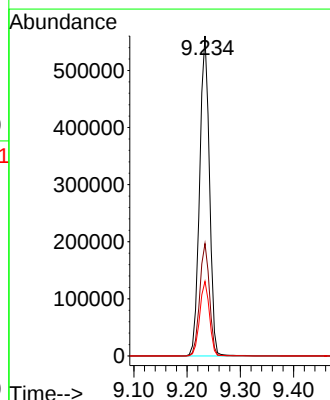
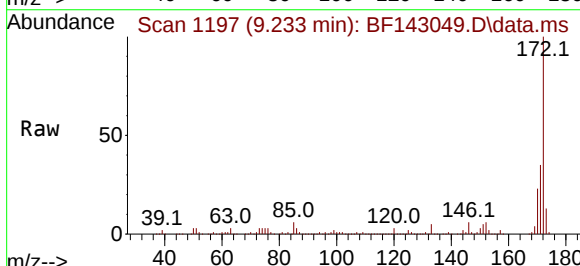
Tgt Ion:172 Resp: 718776

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.3 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 8.966 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL

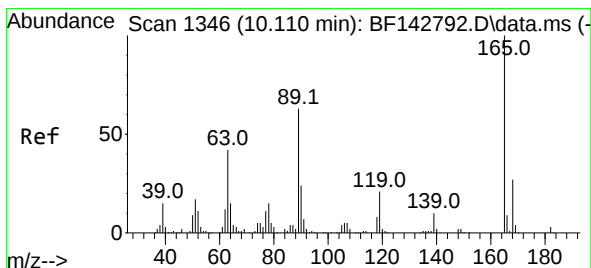
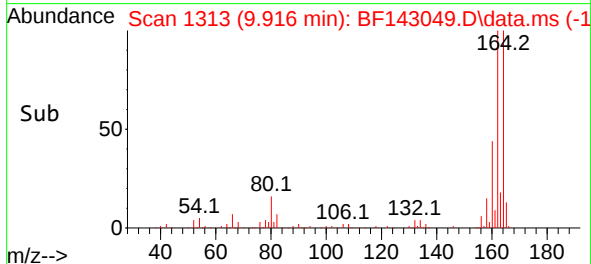
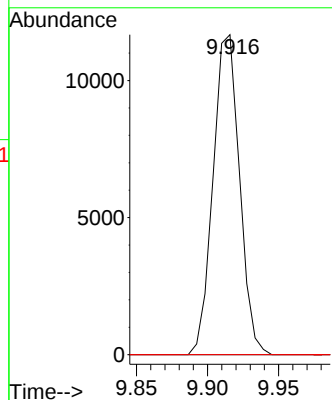
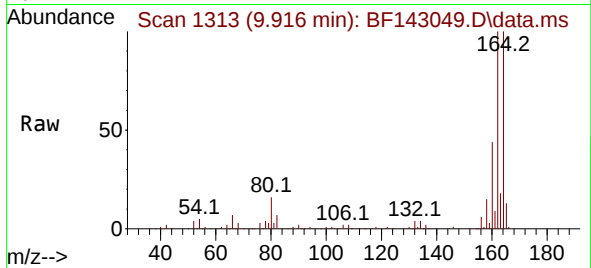
Tgt Ion:165 Resp: 15130

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: 6.750 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Tgt Ion:165 Resp: 15130

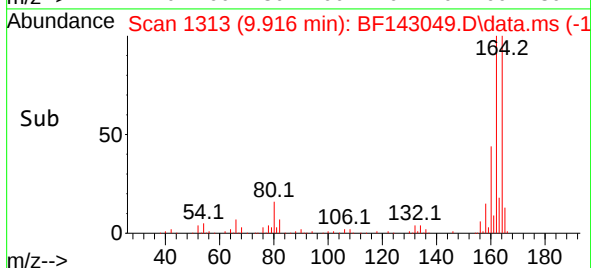
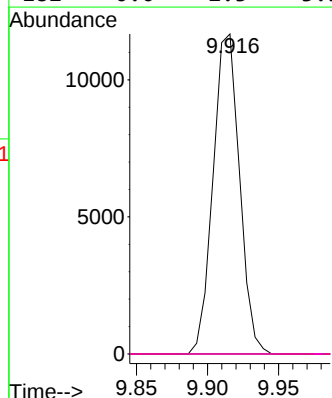
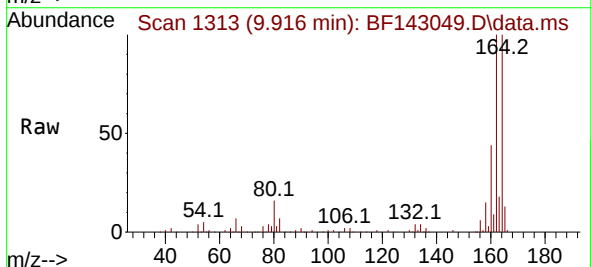
Ion Ratio Lower Upper

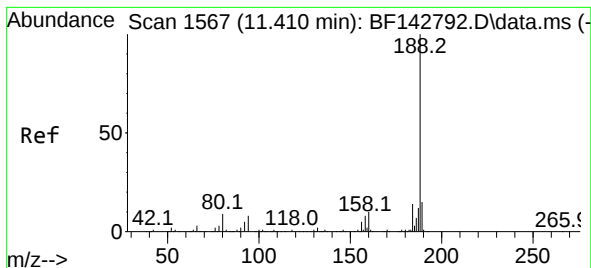
165 100

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# 11

Delta R.T. -0.006 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL

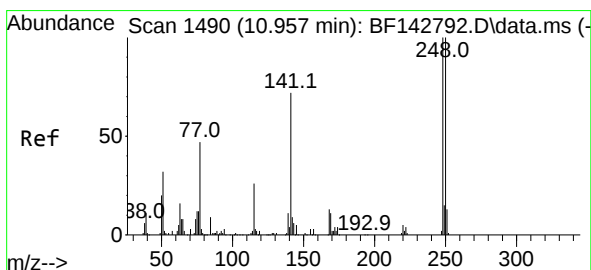
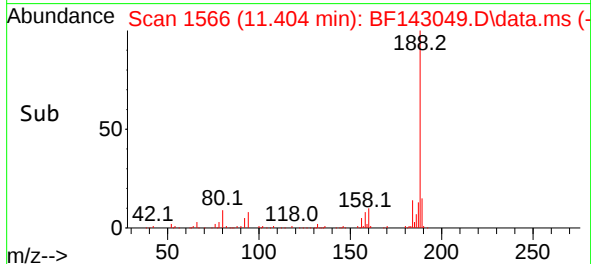
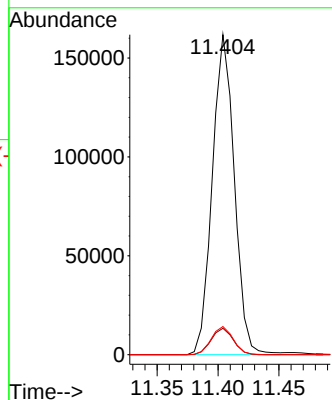
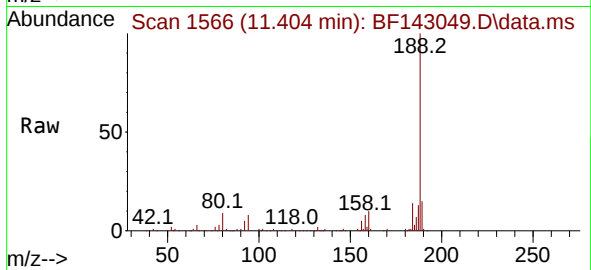
Tgt Ion:188 Resp: 203771

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.8 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.423 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

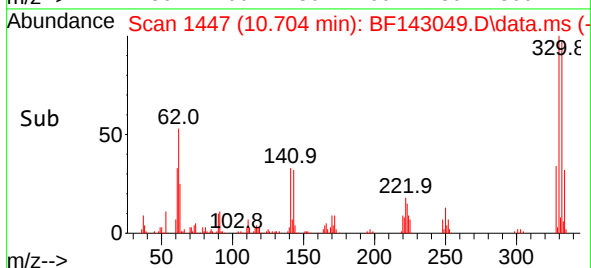
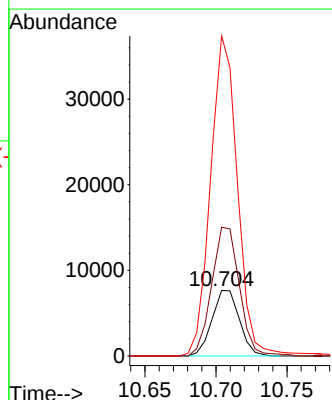
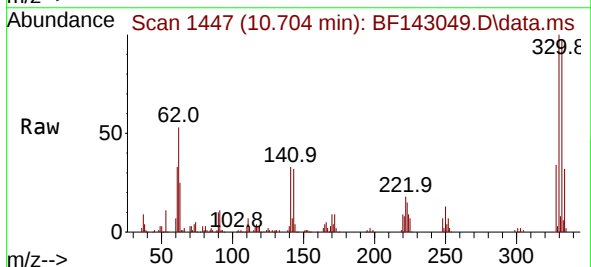
Tgt Ion:248 Resp: 10257

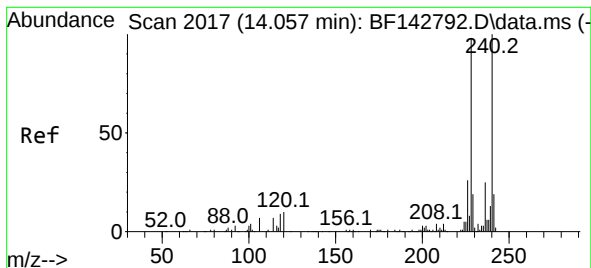
Ion Ratio Lower Upper

248 100

250 197.0 79.8 119.8#

141 489.4 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL

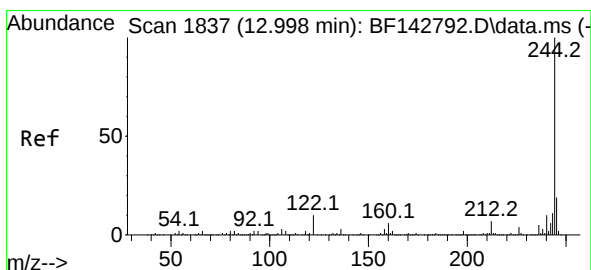
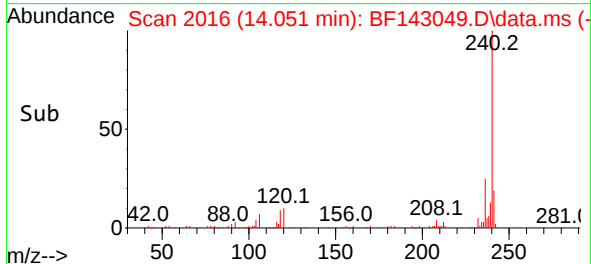
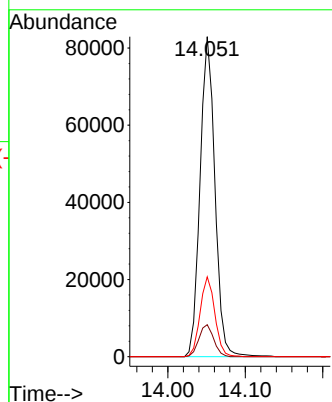
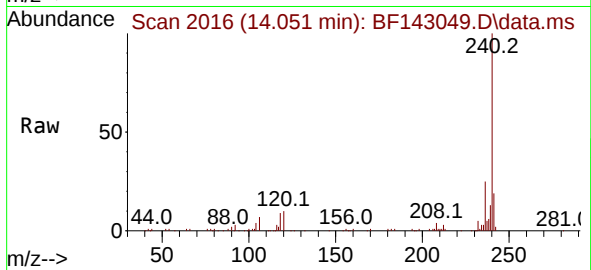
Tgt Ion:240 Resp: 110413

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.0 19.8 29.8



#79

Terphenyl-d14

Concen: 86.605 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

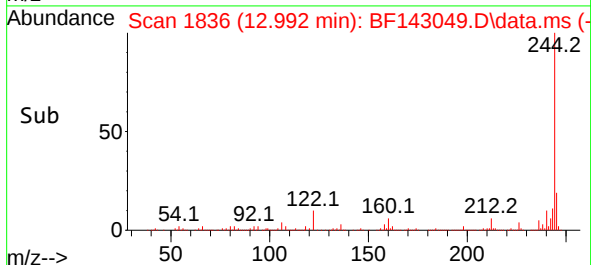
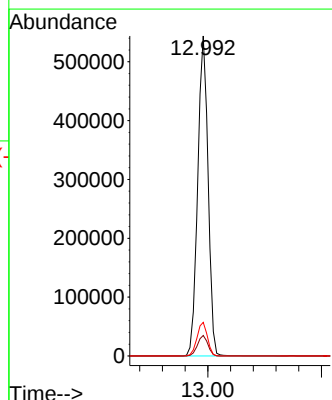
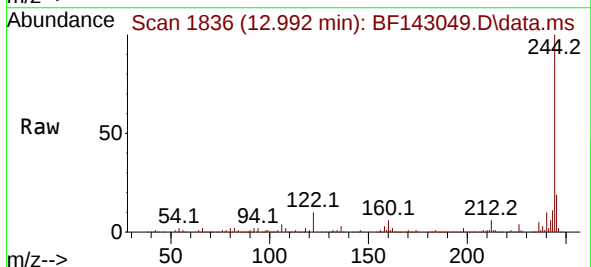
Tgt Ion:244 Resp: 692069

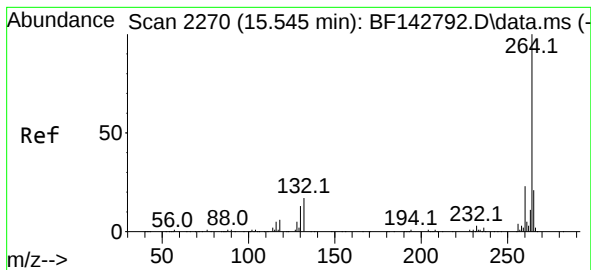
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.5 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: BF143049.D

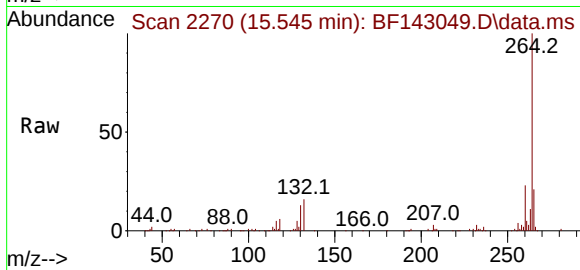
Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL



Tgt Ion:264 Resp: 115591

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.0 16.6 25.0

