

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091625\
 Data File : BF143776.D
 Acq On : 16 Sep 2025 16:53
 Operator : RC/JU
 Sample : PB169696BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169696BL

Quant Time: Sep 16 19:31:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 16 15:40:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

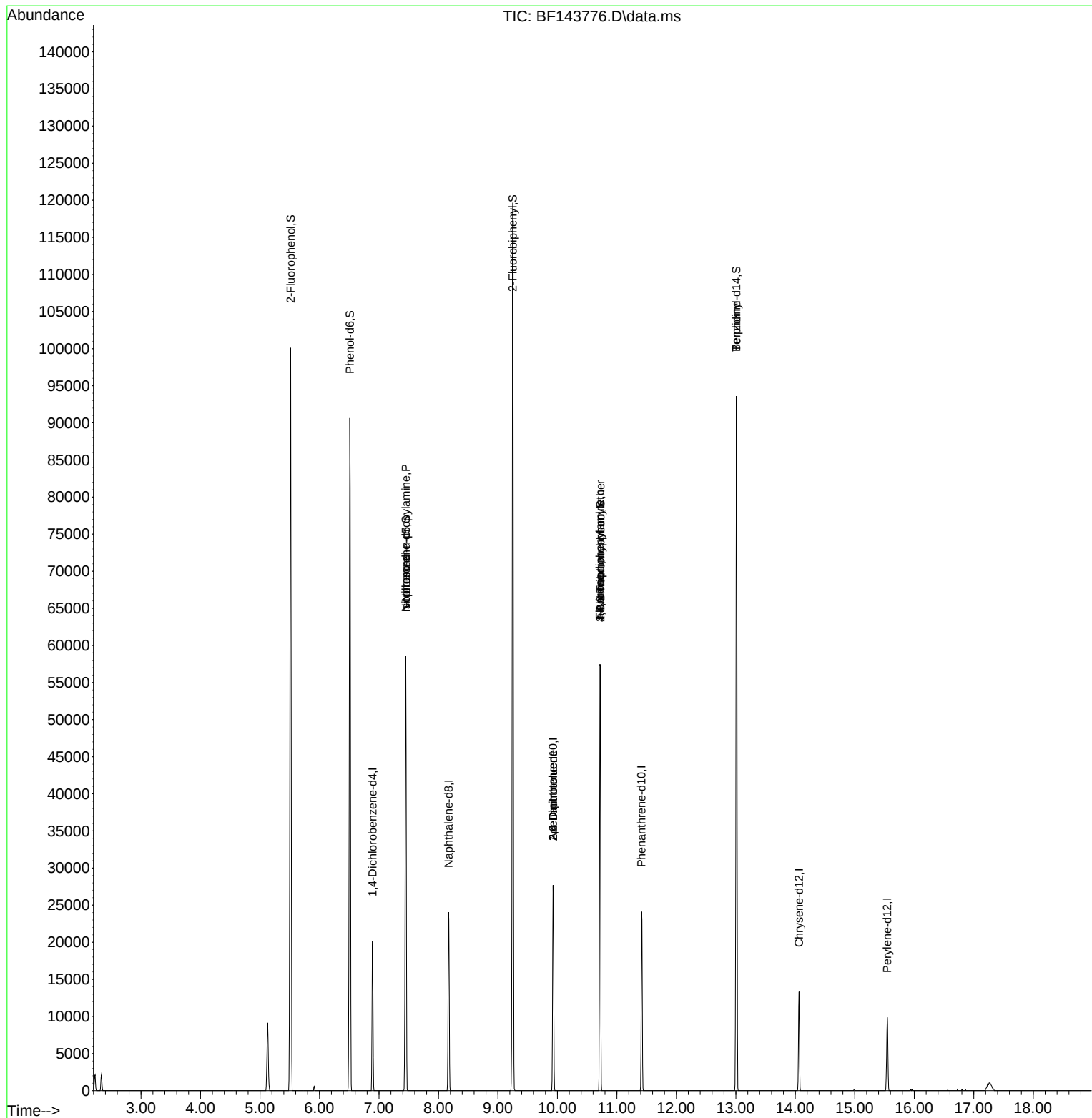
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	5265	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	17131	20.000	ng	-0.01
39) Acenaphthene-d10	9.927	164	9057	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	14619	20.000	ng	#-0.01
76) Chrysene-d12	14.063	240	7741	20.000	ng	-0.01
86) Perylene-d12	15.545	264	6965	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	42447	128.711	ng	0.00
7) Phenol-d6	6.510	99	49356	128.140	ng	-0.02
23) Nitrobenzene-d5	7.451	82	28033	96.828	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	11301	123.711	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	59869	91.000	ng	0.00
79) Terphenyl-d14	13.010	244	49454	99.500	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	3805	17.005	ng	# 77
25) Isophorone	7.451	82	27425	52.302	ng	# 63
51) 2,6-Dinitrotoluene	9.927	165	1224	9.975	ng	# 28
57) 2,4-Dinitrotoluene	9.927	165	1224	7.167	ng	# 29
58) Fluorene	10.716	166	402	0.694	ng	# 70
66) n-Nitrosodiphenylamine	10.716	169	274	0.537	ng	# 29
67) 4-Bromophenyl-phenylether	10.722	248	633	3.505	ng	# 1
77) Benzidine	13.010	184	489	2.042	ng	# 66

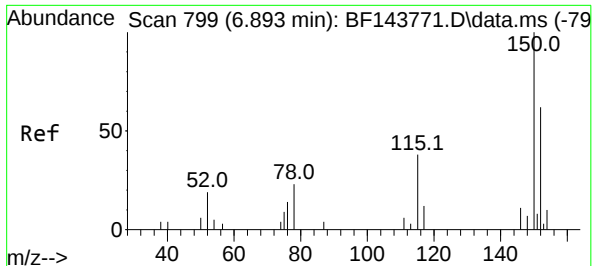
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091625\
Data File : BF143776.D
Acq On : 16 Sep 2025 16:53
Operator : RC/JU
Sample : PB169696BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169696BL

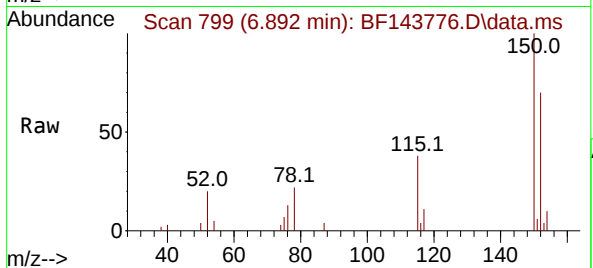
Quant Time: Sep 16 19:31:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 16 15:40:08 2025
Response via : Initial Calibration



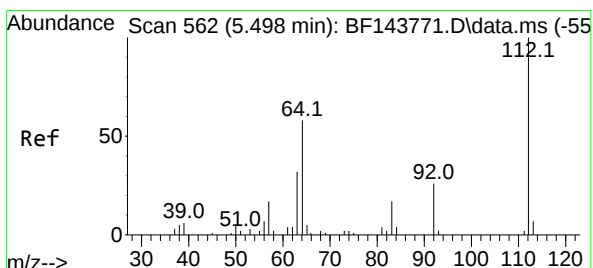
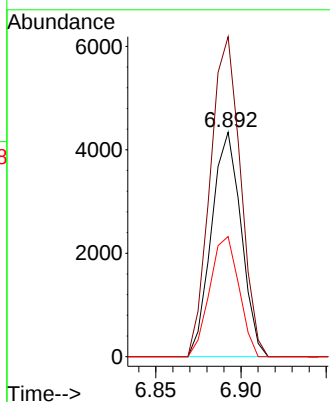
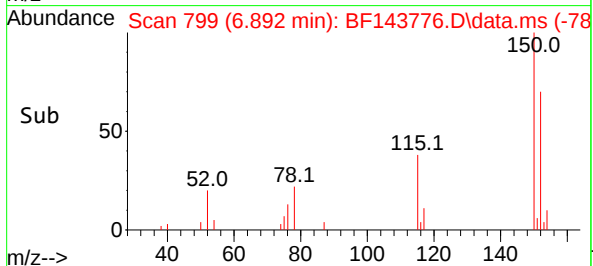


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

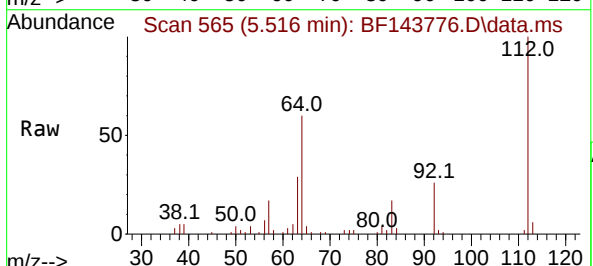
Instrument :
BNA_F
ClientSampleId :
PB169696BL



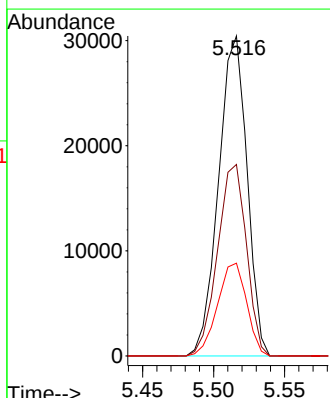
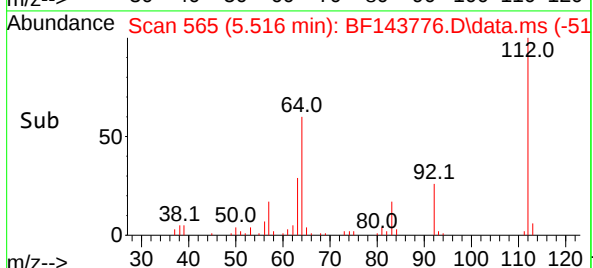
Tgt Ion:152 Resp: 5265
Ion Ratio Lower Upper
152 100
150 142.5 128.8 193.2
115 53.5 49.1 73.7

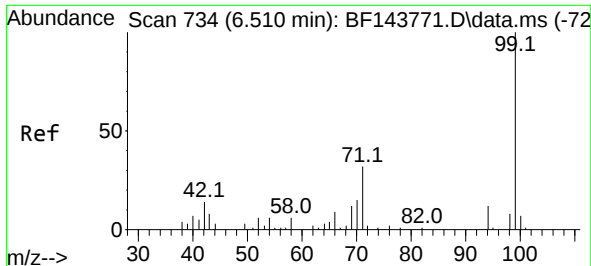


#5
2-Fluorophenol
Concen: 128.711 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53



Tgt Ion:112 Resp: 42447
Ion Ratio Lower Upper
112 100
64 59.9 46.3 69.5
63 29.0 25.4 38.2

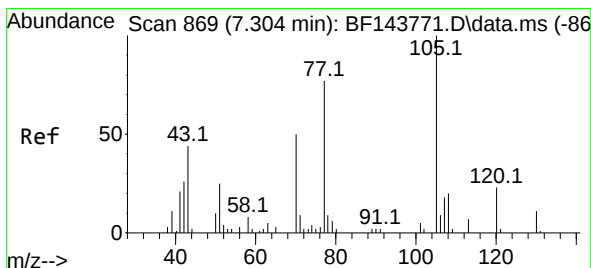
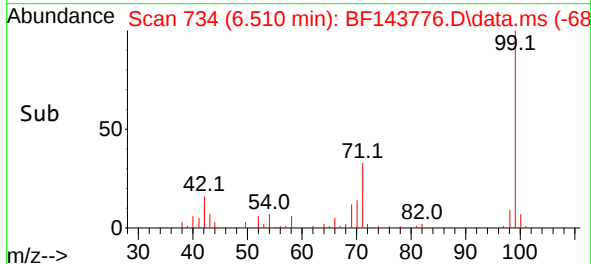
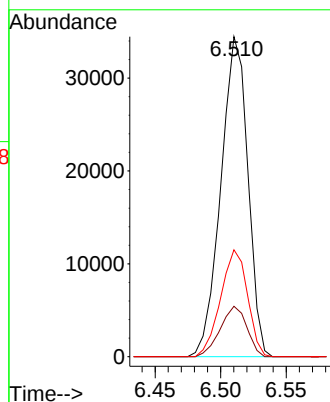
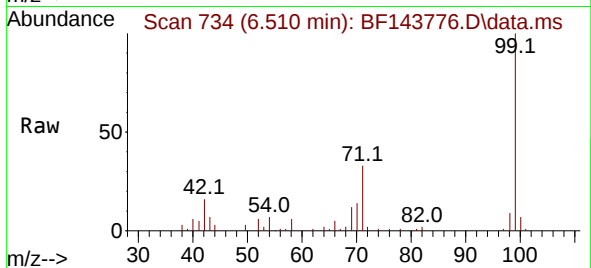




#7
Phenol-d6
Concen: 128.140 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

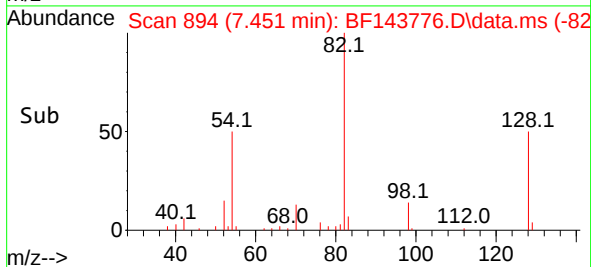
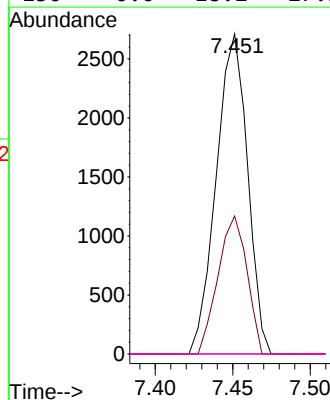
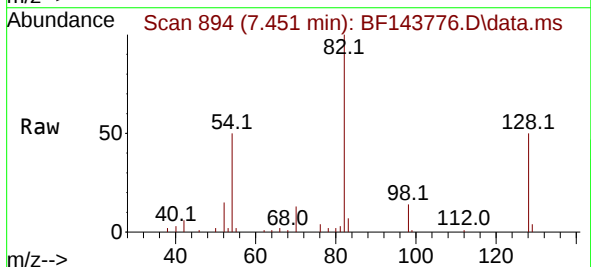
Instrument :
BNA_F
ClientSampleId :
PB169696BL

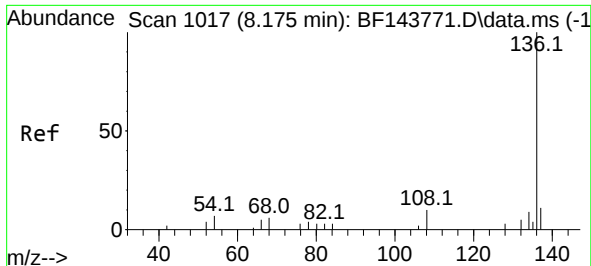
Tgt Ion: 99 Resp: 49356
Ion Ratio Lower Upper
99 100
42 15.7 11.5 17.3
71 33.4 25.4 38.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.005 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion: 70 Resp: 3805
Ion Ratio Lower Upper
70 100
42 43.1 41.0 61.6
101 0.0 7.4 11.0#
130 0.0 18.2 27.2#

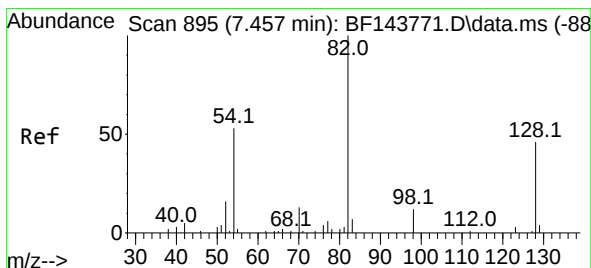
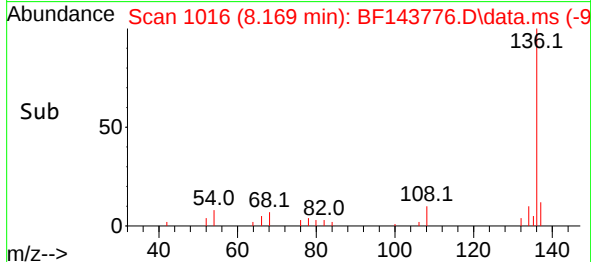
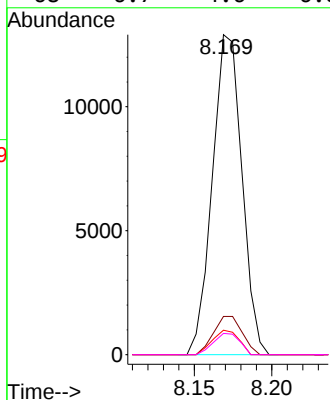
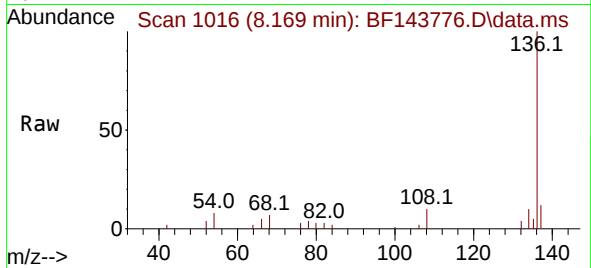




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

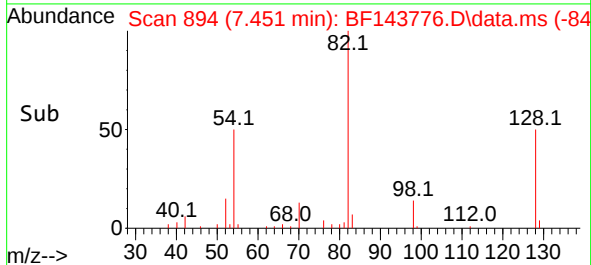
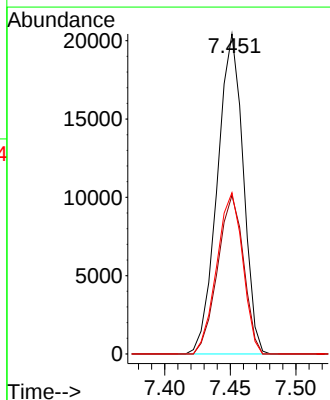
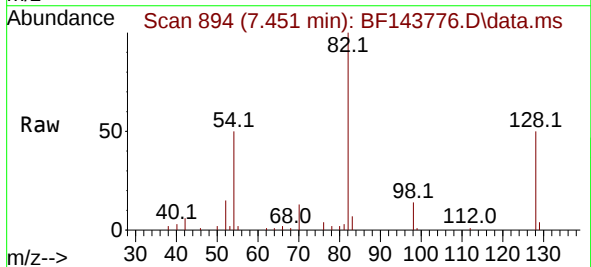
Instrument :
BNA_F
ClientSampleId :
PB169696BL

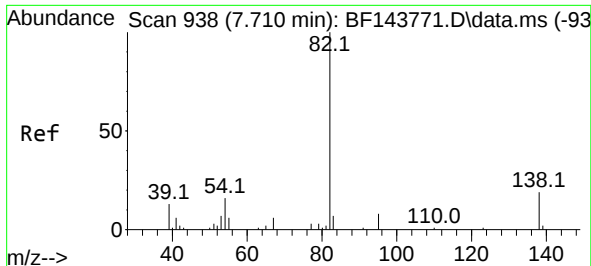
Tgt Ion:136	Resp:	17131
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.9 13.3
54	7.7	5.9 8.9
68	6.7	4.6 6.8



#23
Nitrobenzene-d5
Concen: 96.828 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion: 82	Resp:	28033
Ion Ratio	Lower	Upper
82	100	
128	49.5	36.6 55.0
54	50.4	41.9 62.9

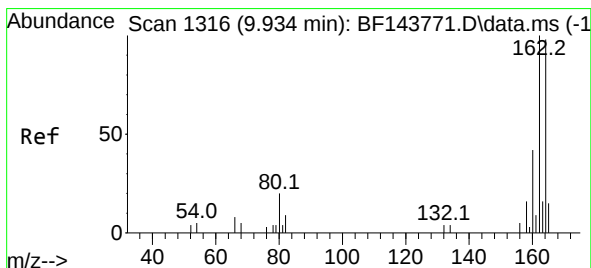
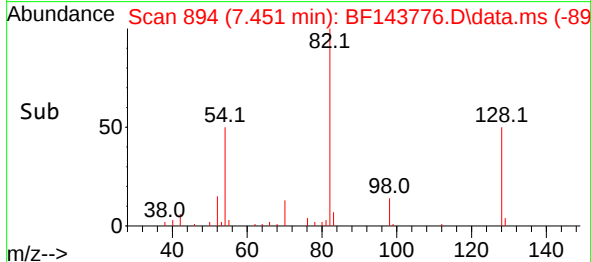
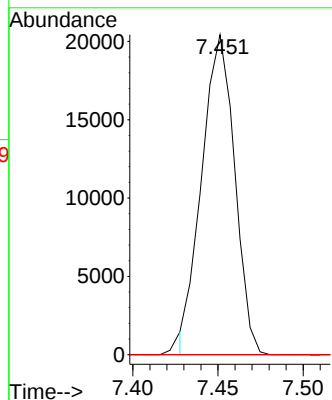
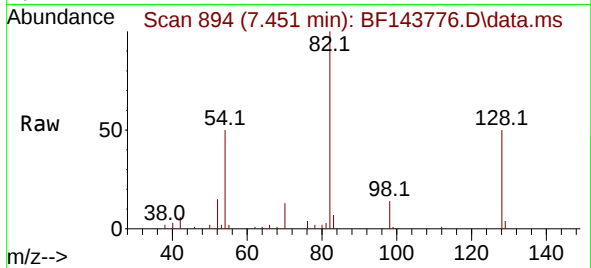




#25
Isophorone
Concen: 52.302 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.276 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

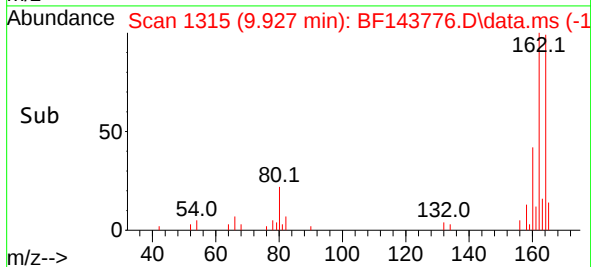
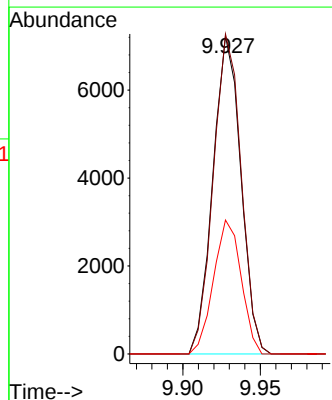
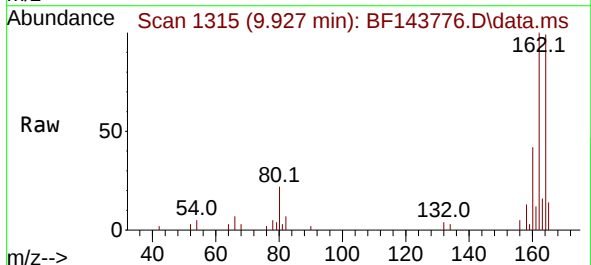
Instrument :
BNA_F
ClientSampleId :
PB169696BL

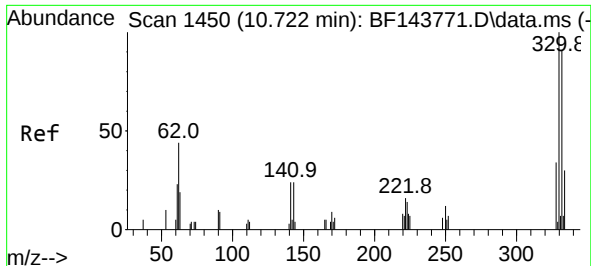
Tgt Ion: 82 Resp: 27425
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.4 23.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

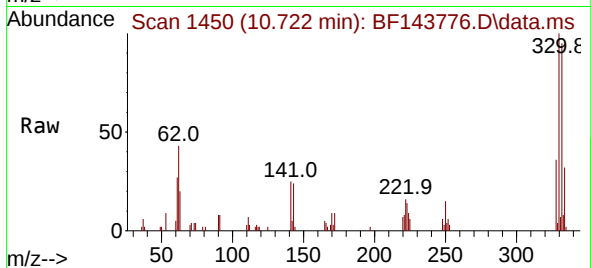
Tgt Ion:164 Resp: 9057
Ion Ratio Lower Upper
164 100
162 100.7 81.5 122.3
160 42.2 33.9 50.9



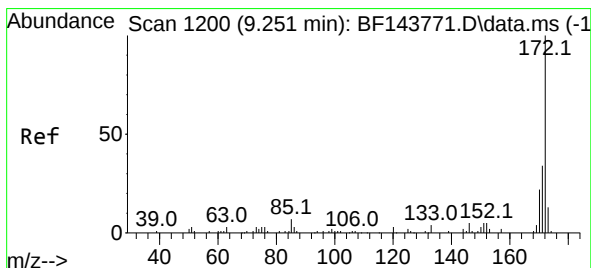
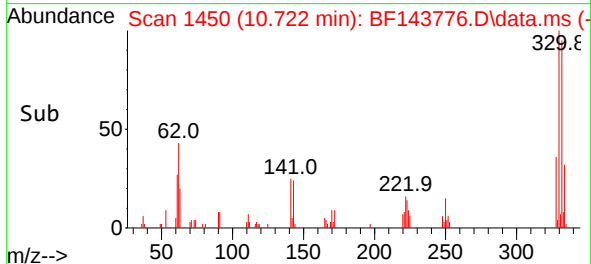
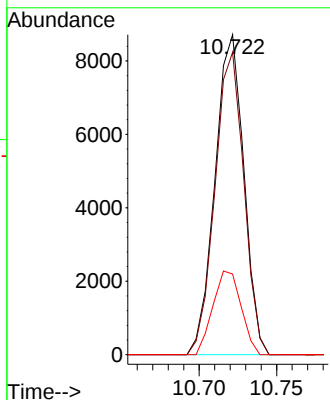


#42
2,4,6-Tribromophenol
Concen: 123.711 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Instrument :
BNA_F
ClientSampleId :
PB169696BL

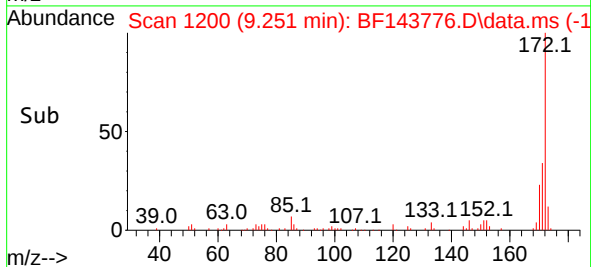
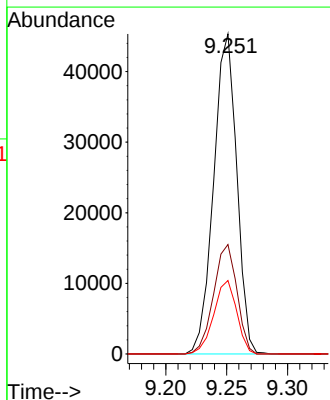
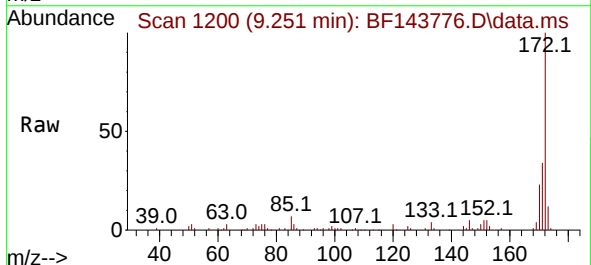


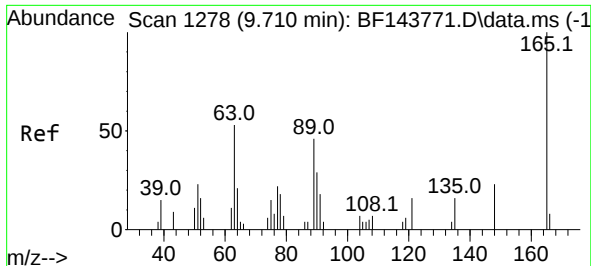
Tgt Ion: 330 Resp: 11301
Ion Ratio Lower Upper
330 100
332 94.3 72.0 108.0
141 25.5 20.3 30.5



#45
2-Fluorobiphenyl
Concen: 91.000 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion: 172 Resp: 59869
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.0 17.7 26.5





#51

2,6-Dinitrotoluene

Concen: 9.975 ng

RT: 9.927 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF143776.D

Acq: 16 Sep 2025 16:53

Instrument :

BNA_F

ClientSampleId :

PB169696BL

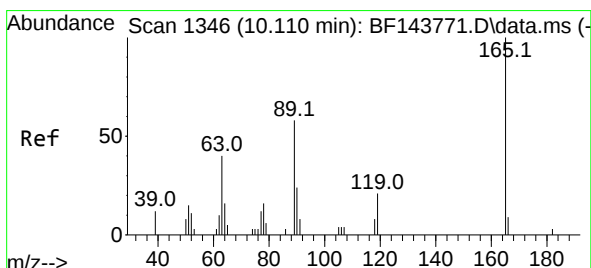
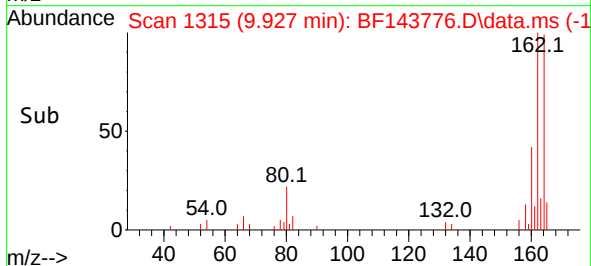
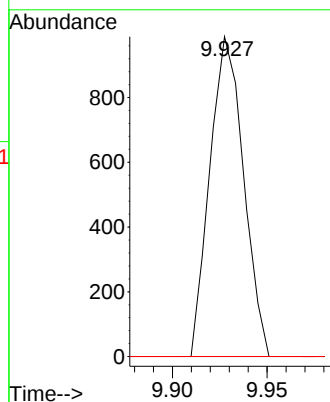
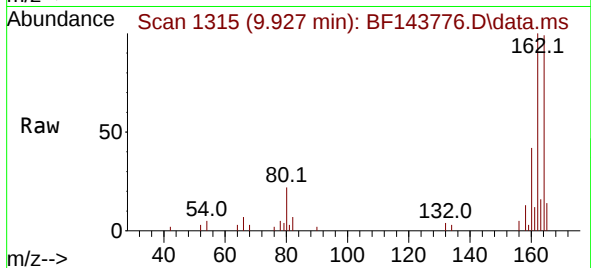
Tgt Ion:165 Resp: 1224

Ion Ratio Lower Upper

165 100

63 0.0 42.5 63.7#

89 0.0 36.9 55.3#



#57

2,4-Dinitrotoluene

Concen: 7.167 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF143776.D

Acq: 16 Sep 2025 16:53

Tgt Ion:165 Resp: 1224

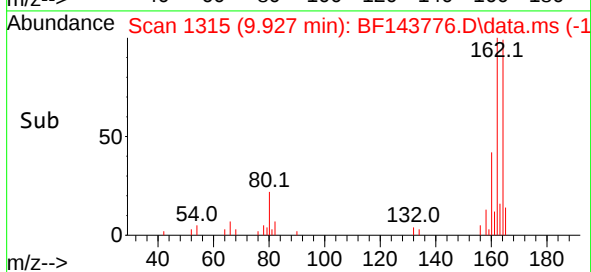
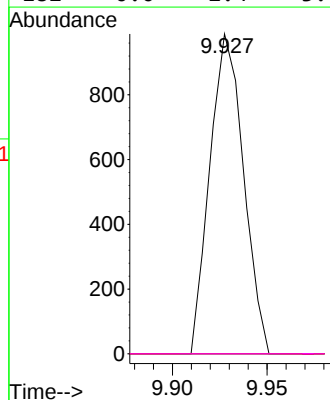
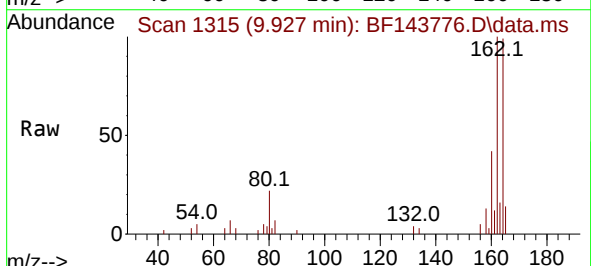
Ion Ratio Lower Upper

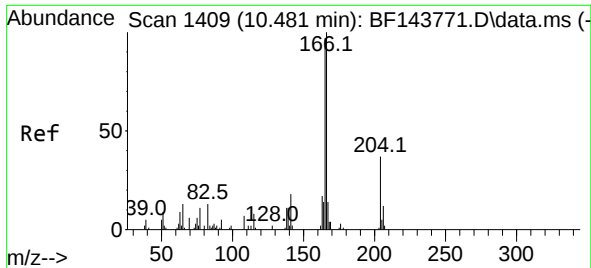
165 100

63 0.0 32.1 48.1#

89 0.0 46.4 69.6#

182 0.0 2.4 3.6#

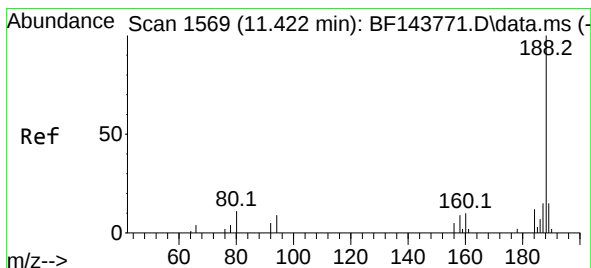
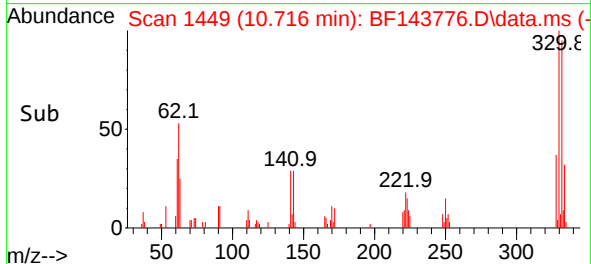
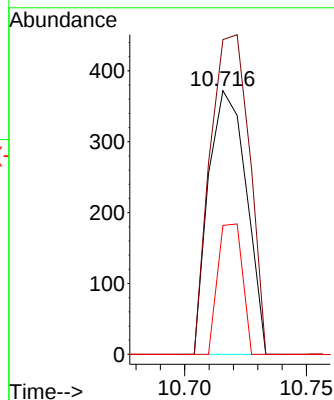
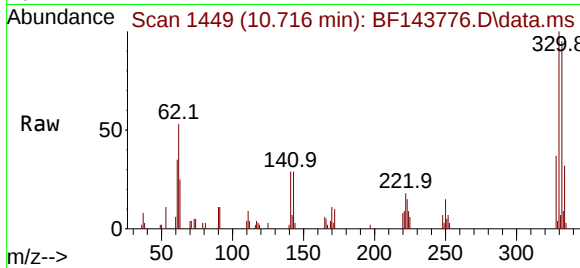




#58
Fluorene
Concen: 0.694 ng
RT: 10.716 min Scan# 1409
Delta R.T. 0.229 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

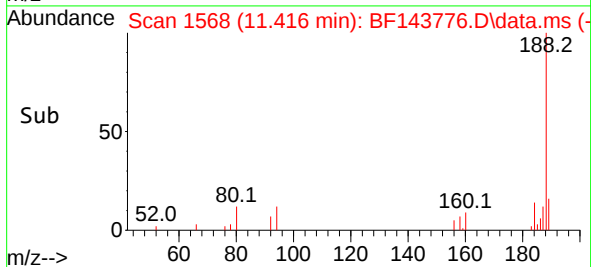
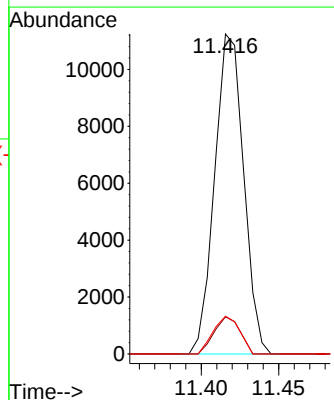
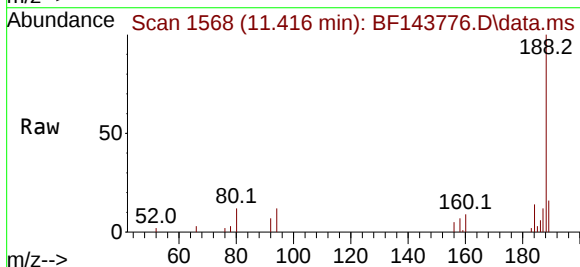
Instrument :
BNA_F
ClientSampleId :
PB169696BL

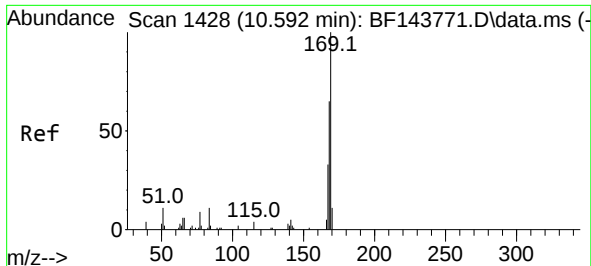
Tgt Ion:166 Resp: 402
Ion Ratio Lower Upper
166 100
165 119.4 77.8 116.8#
167 48.9 11.6 17.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion:188 Resp: 14619
Ion Ratio Lower Upper
188 100
94 11.6 7.5 11.3#
80 11.8 8.6 13.0

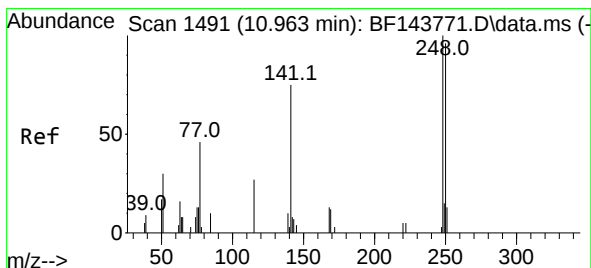
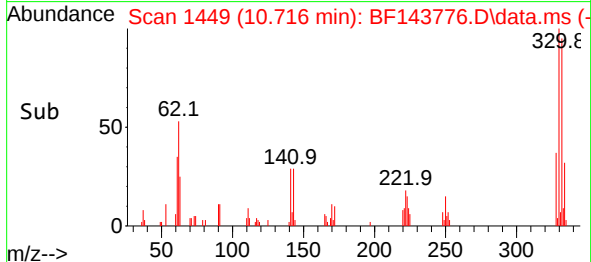
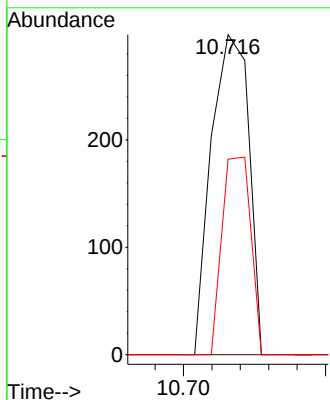
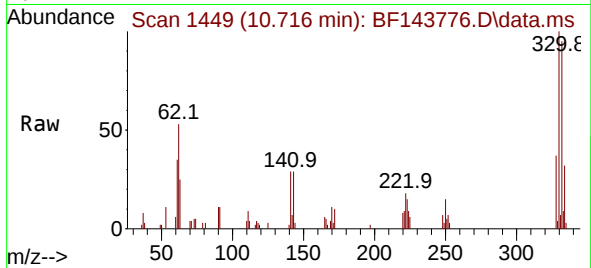




#66
n-Nitrosodiphenylamine
Concen: 0.537 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.118 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

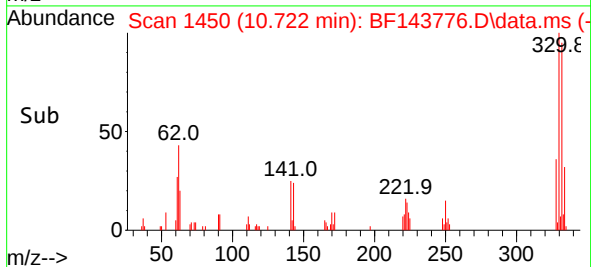
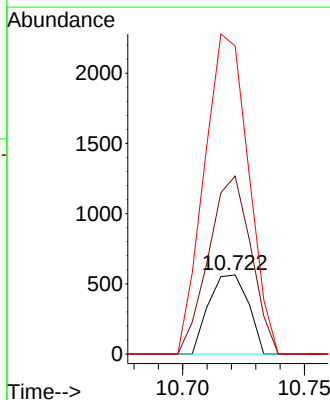
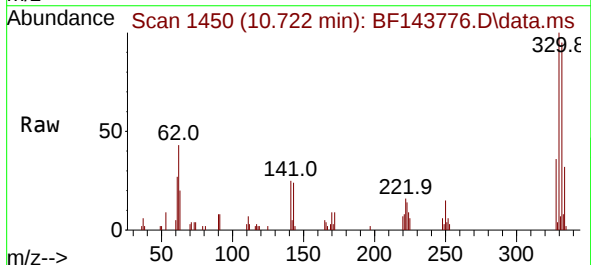
Instrument :
BNA_F
ClientSampleId :
PB169696BL

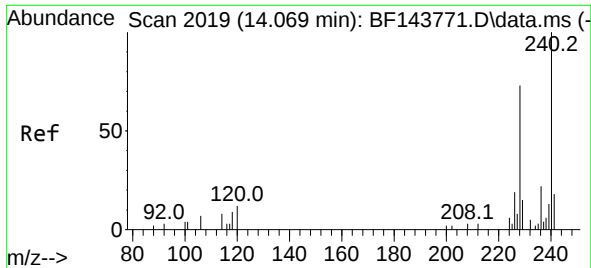
Tgt Ion:169 Resp: 274
Ion Ratio Lower Upper
169 100
168 0.0 52.2 78.2#
167 61.1 26.6 40.0#



#67
4-Bromophenyl-phenylether
Concen: 3.505 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion:248 Resp: 633
Ion Ratio Lower Upper
248 100
250 224.8 76.9 115.3#
141 389.2 60.3 90.5#

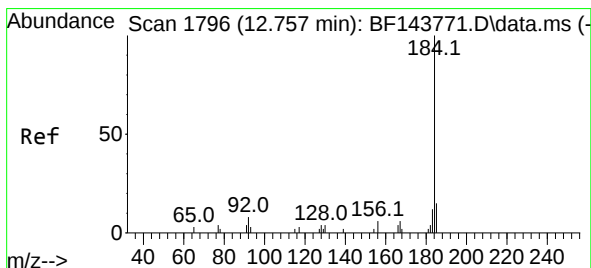
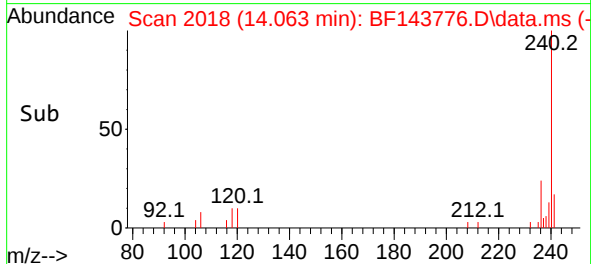
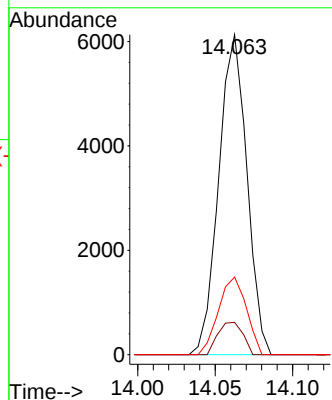
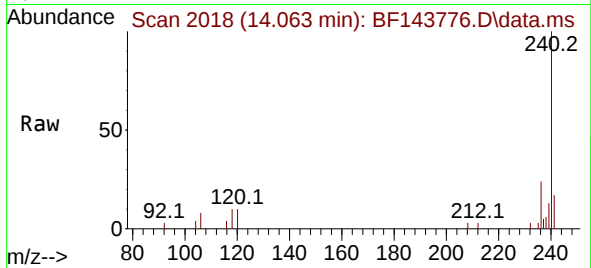




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

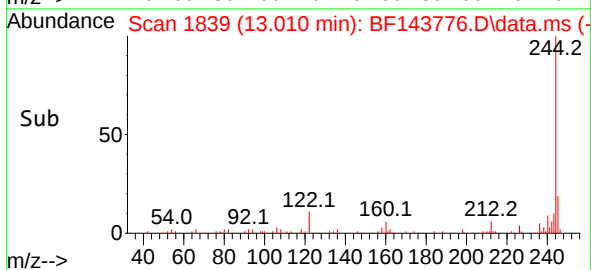
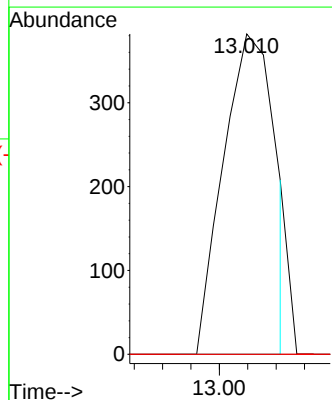
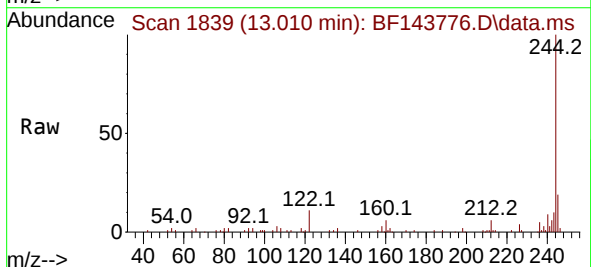
Instrument :
BNA_F
ClientSampleId :
PB169696BL

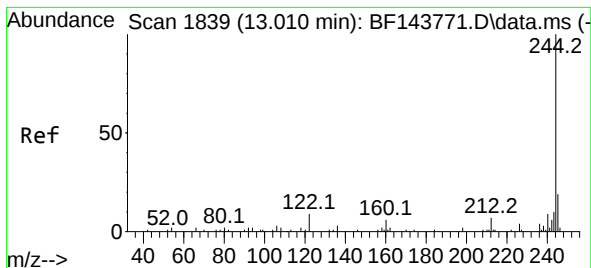
Tgt Ion:240 Resp: 7741
Ion Ratio Lower Upper
240 100
120 10.1 9.3 13.9
236 24.3 17.7 26.5



#77
Benzidine
Concen: 2.042 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.253 min
Lab File: BF143776.D
Acq: 16 Sep 2025 16:53

Tgt Ion:184 Resp: 489
Ion Ratio Lower Upper
184 100
185 0.0 11.8 17.8#
183 0.0 9.7 14.5#





#79

Terphenyl-d14

Concen: 99.500 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143776.D

Acq: 16 Sep 2025 16:53

Instrument :

BNA_F

ClientSampleId :

PB169696BL

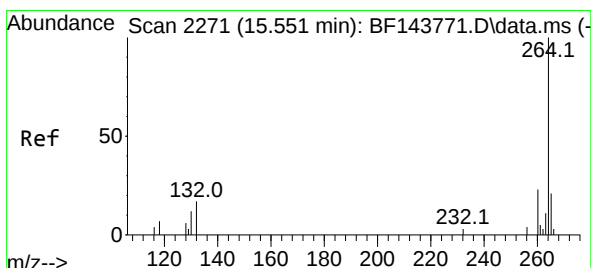
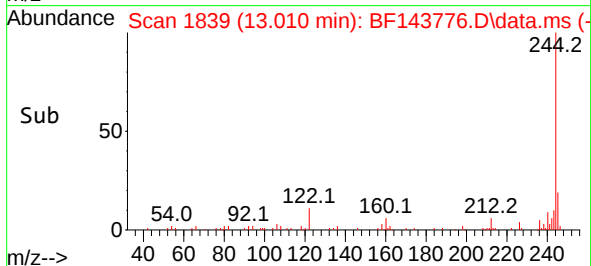
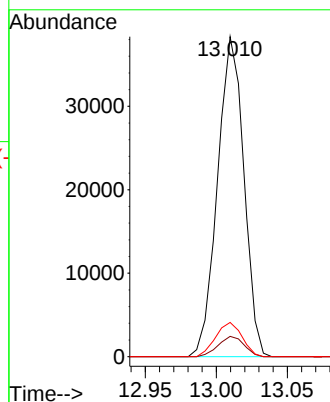
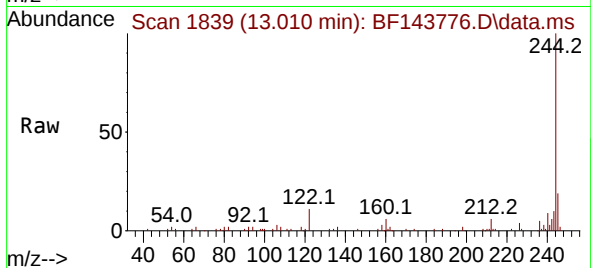
Tgt Ion:244 Resp: 49454

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.7 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. -0.012 min

Lab File: BF143776.D

Acq: 16 Sep 2025 16:53

Tgt Ion:264 Resp: 6965

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 20.8 16.9 25.3

