

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF143001.D
 Acq On : 03 Jul 2025 17:30
 Operator : RC/JU
 Sample : Q2473-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT#4

Quant Time: Jul 04 01:25:06 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)

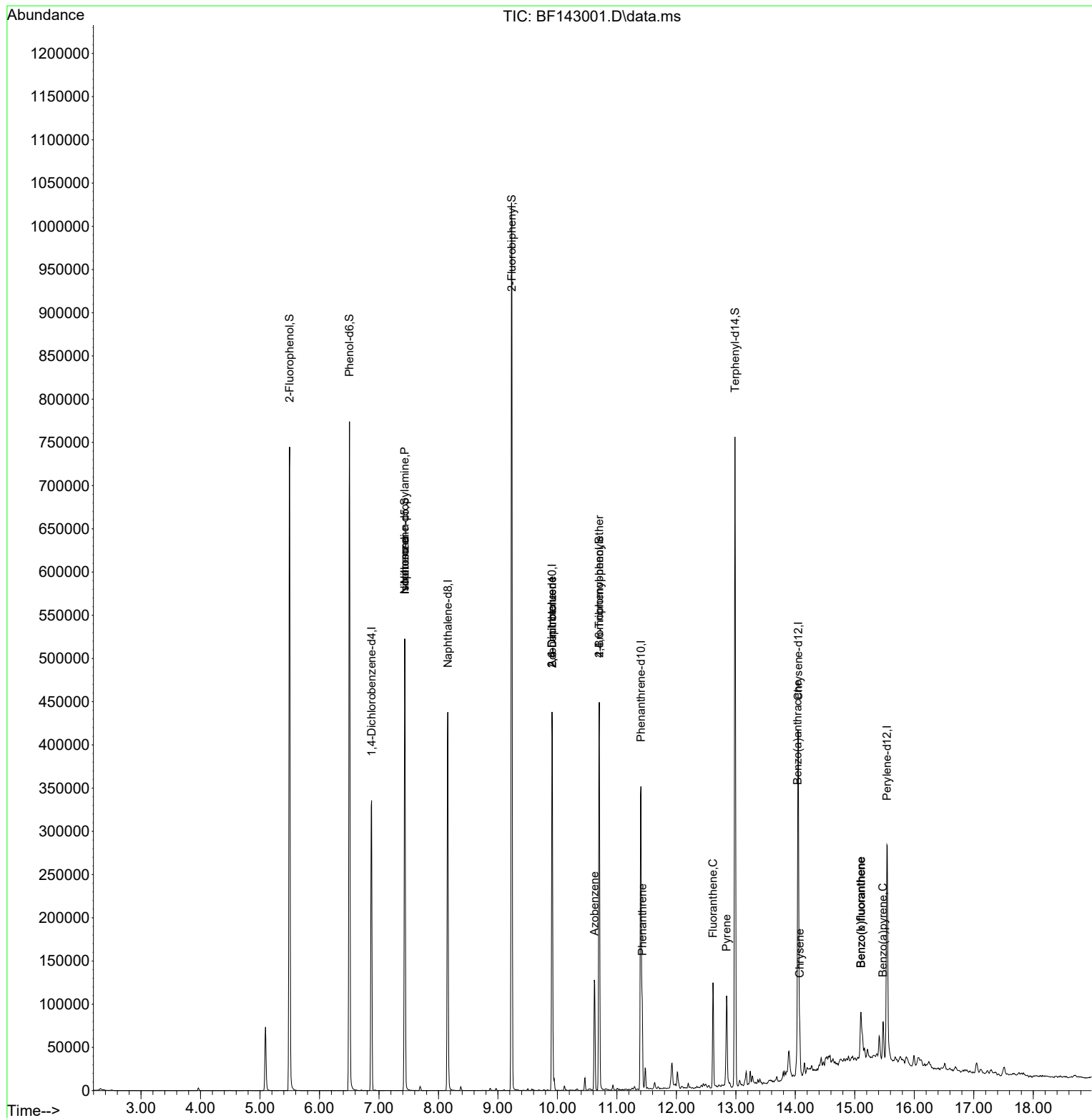
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	76335	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	283968	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	134925	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	188390	20.000	ng	0.00
76) Chrysene-d12	14.051	240	176129	20.000	ng	0.00
86) Perylene-d12	15.539	264	145690	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	296715	64.716	ng	0.00
7) Phenol-d6	6.504	99	357080	66.012	ng	0.00
23) Nitrobenzene-d5	7.434	82	219825	42.461	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	77619	55.903	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	472144	45.969	ng	-0.01
79) Terphenyl-d14	12.986	244	355064	27.854	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	28569	9.081	ng	# 76
25) Isophorone	7.434	82	219822	26.469	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	17309	9.024	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	17309	6.794	ng	# 26
63) Azobenzene	10.622	77	31948	4.174	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5148	2.401	ng	# 1
71) Phenanthrene	11.427	178	57774	5.661	ng	99
75) Fluoranthene	12.616	202	71704	7.404	ng	99
78) Pyrene	12.845	202	65001	3.937	ng	98
81) Benzo(a)anthracene	14.039	228	39815	3.351	ng	98
83) Chrysene	14.074	228	28757	2.712	ng	96
88) Benzo(b)fluoranthene	15.104	252	46993	5.574	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	46993	5.958	ng	# 94
90) Benzo(a)pyrene	15.474	252	25478	3.128	ng	96

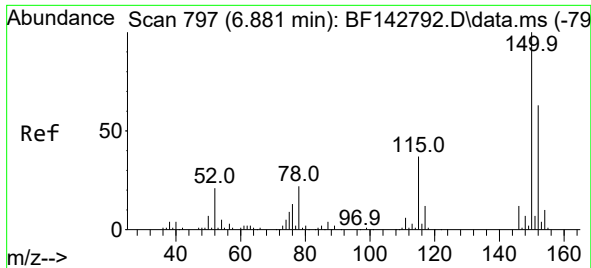
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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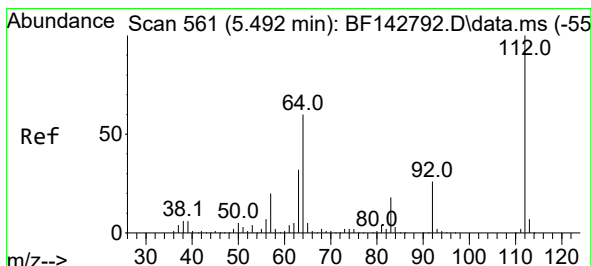
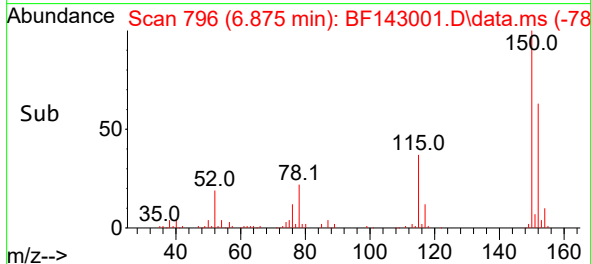
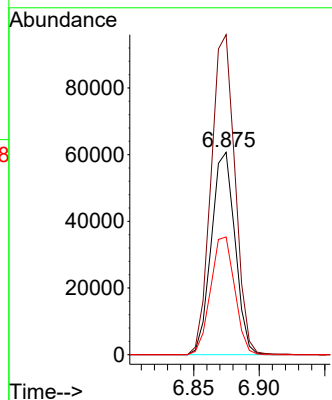
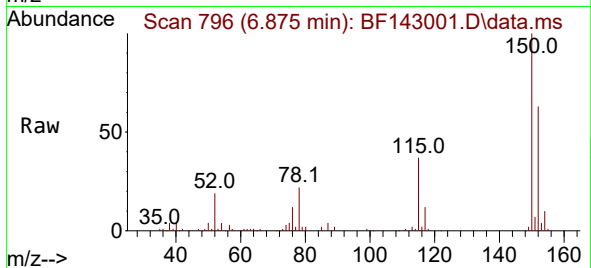




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

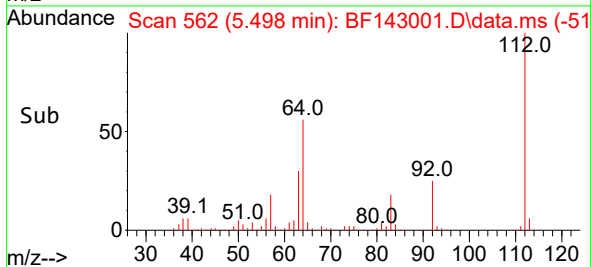
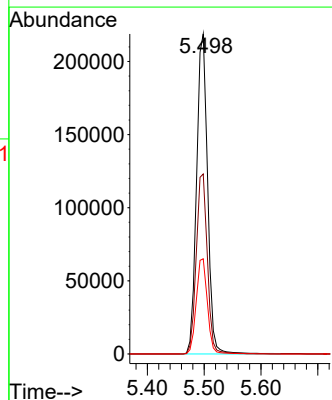
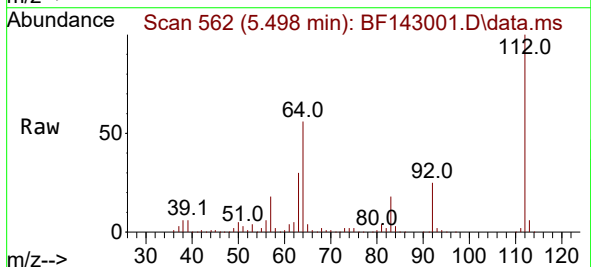
Instrument :
BNA_F
ClientSampleId :
PIT#4

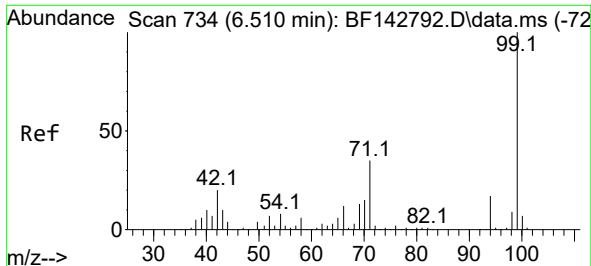
Tgt Ion:152 Resp: 76335
Ion Ratio Lower Upper
152 100
150 158.1 127.2 190.8
115 58.2 46.6 69.8



#5
2-Fluorophenol
Concen: 64.716 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:112 Resp: 296715
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.8 25.7 38.5

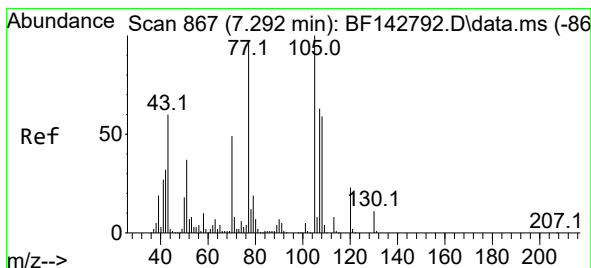
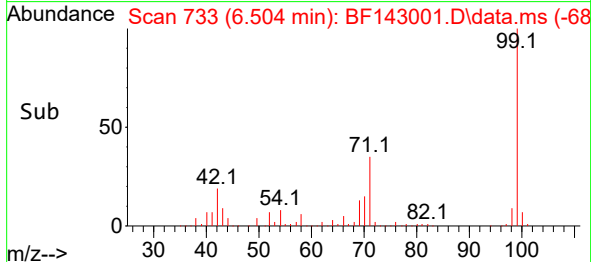
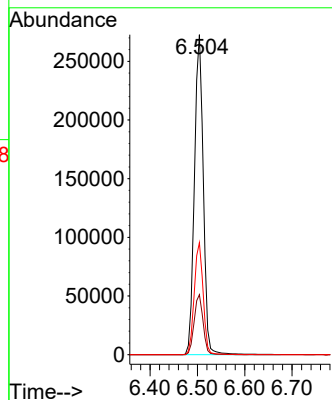
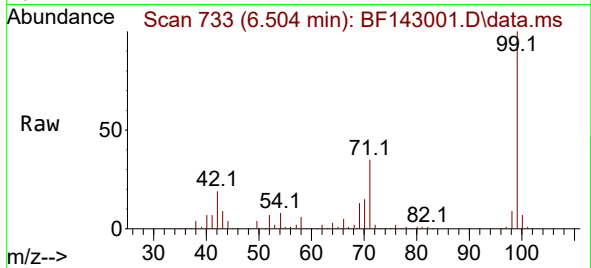




#7
Phenol-d6
Concen: 66.012 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

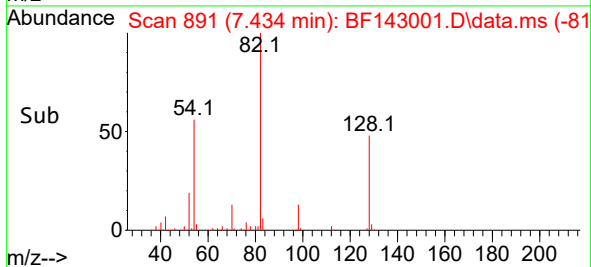
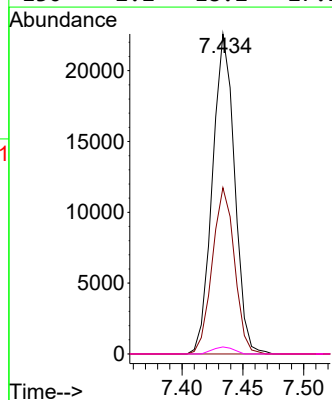
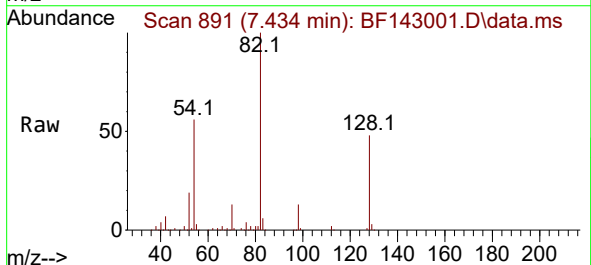
Instrument :
BNA_F
ClientSampleId :
PIT#4

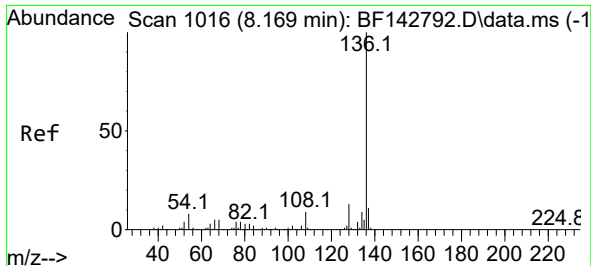
Tgt Ion: 99 Resp: 357080
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.081 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion: 70 Resp: 28569
Ion Ratio Lower Upper
70 100
42 52.0 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

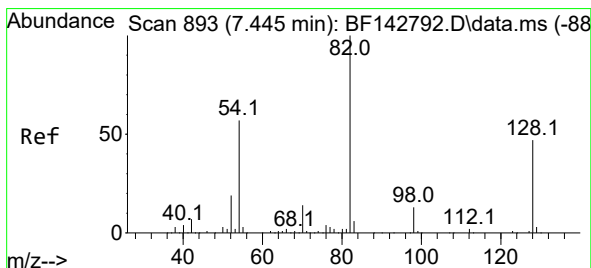
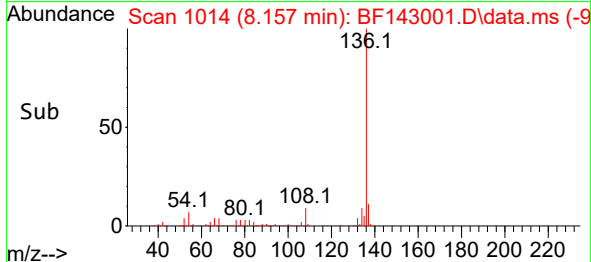
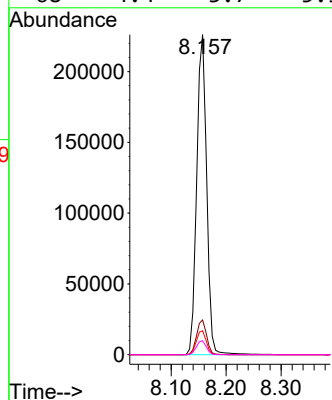
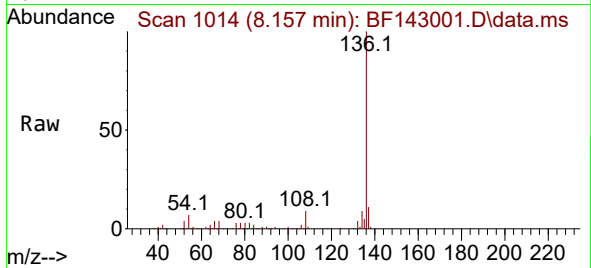




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

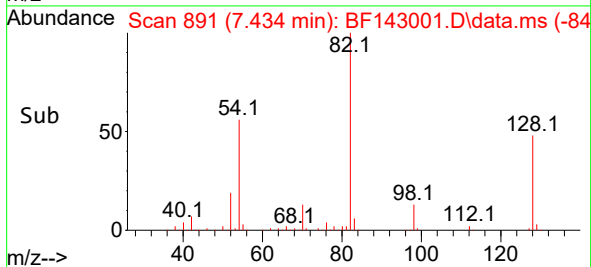
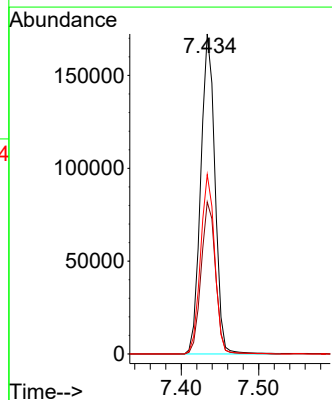
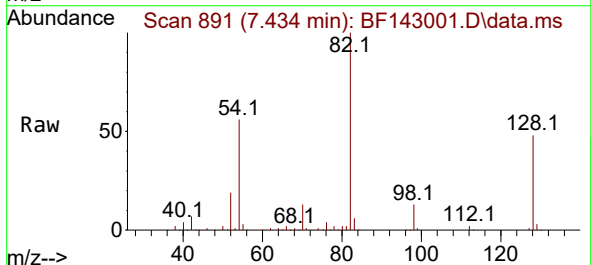
Instrument :
BNA_F
ClientSampleId :
PIT#4

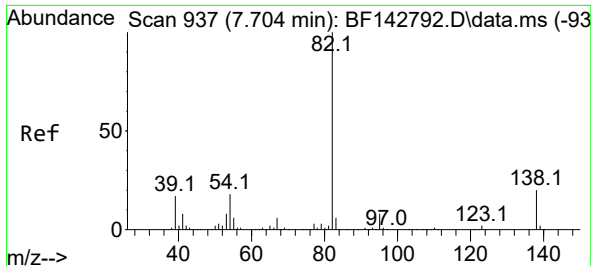
Tgt Ion:136 Resp: 283968
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 42.461 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion: 82 Resp: 219825
Ion Ratio Lower Upper
82 100
128 47.5 37.7 56.5
54 56.0 45.7 68.5

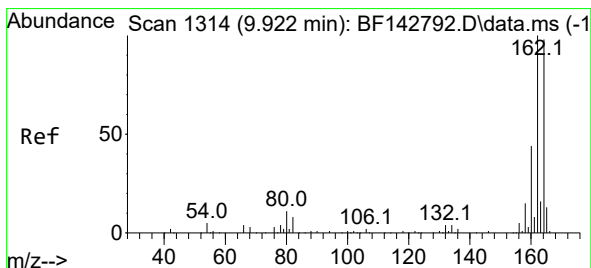
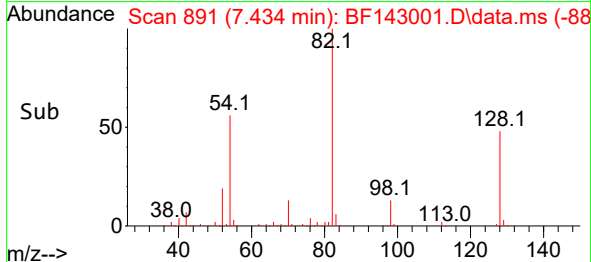
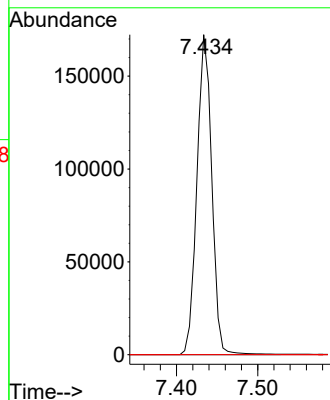
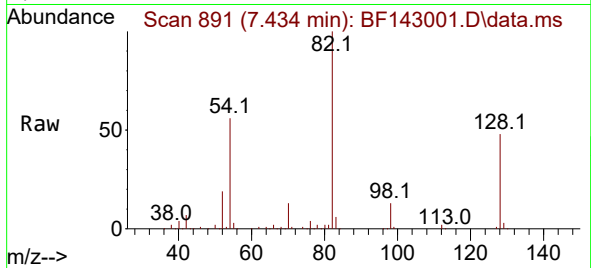




#25
Isophorone
Concen: 26.469 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

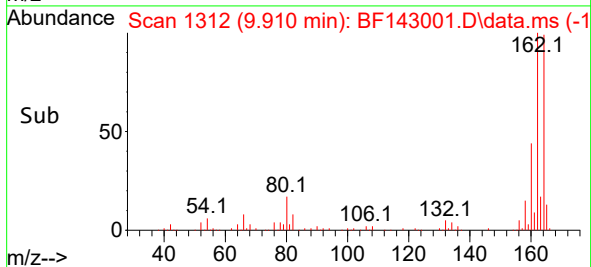
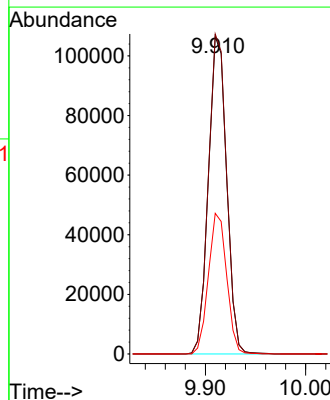
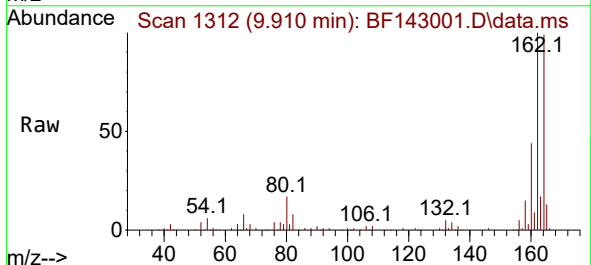
Instrument :
BNA_F
ClientSampleId :
PIT#4

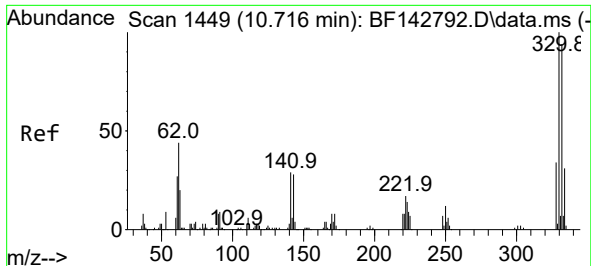
Tgt Ion: 82 Resp: 219822
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:164 Resp: 134925
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 55.903 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

PIT#4

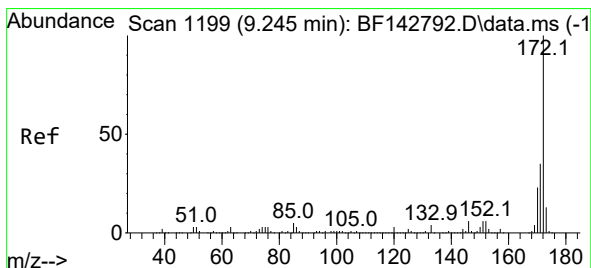
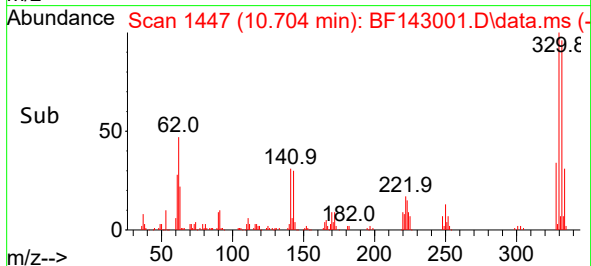
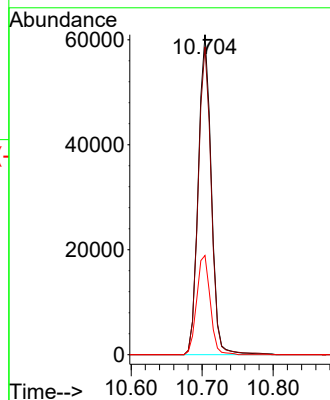
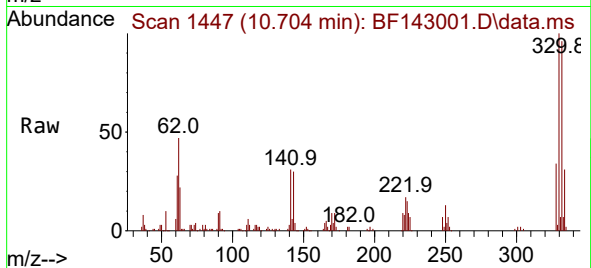
Tgt Ion:330 Resp: 77619

Ion Ratio Lower Upper

330 100

332 96.6 75.0 112.6

141 32.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 45.969 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

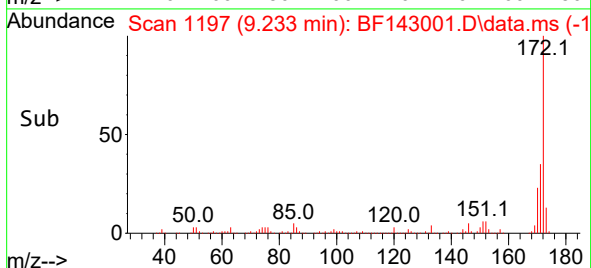
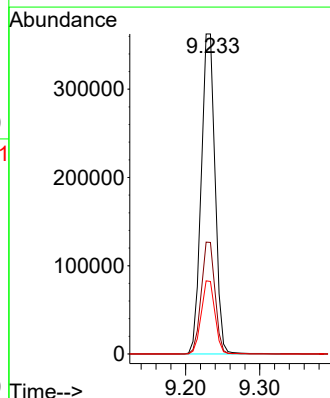
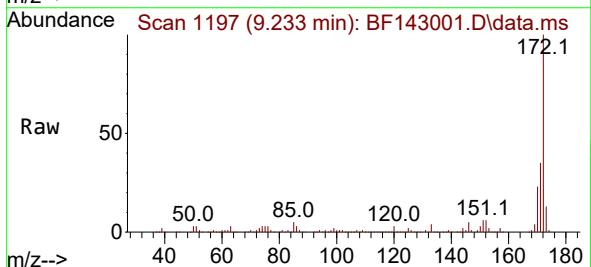
Tgt Ion:172 Resp: 472144

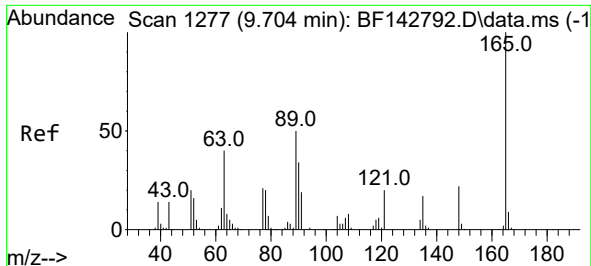
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.7 18.5 27.7

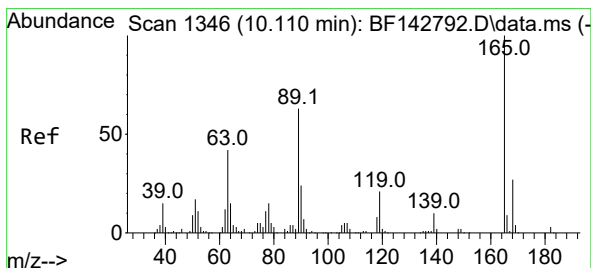
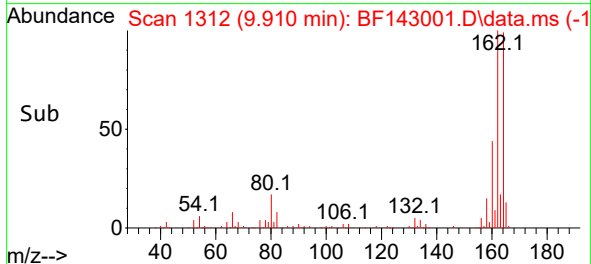
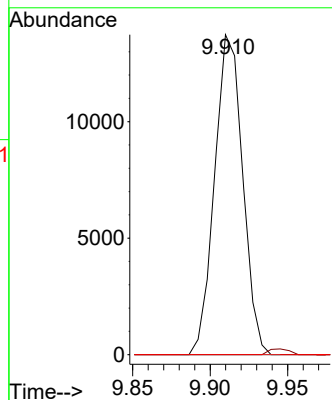
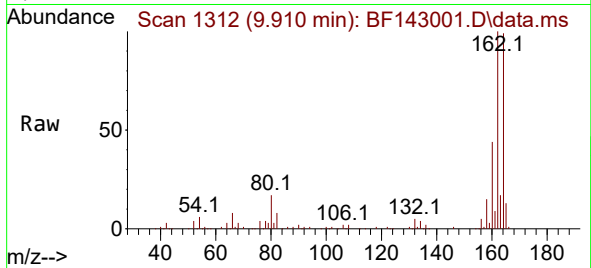




#51
2,6-Dinitrotoluene
Concen: 9.024 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

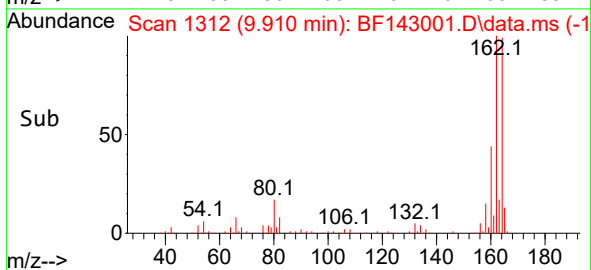
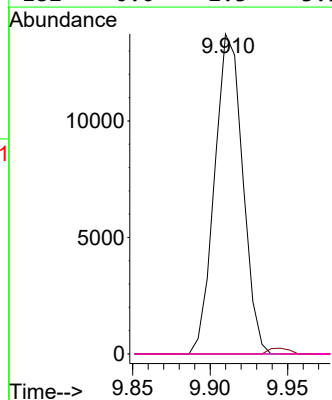
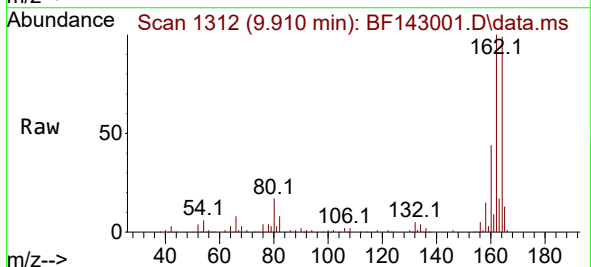
Instrument :
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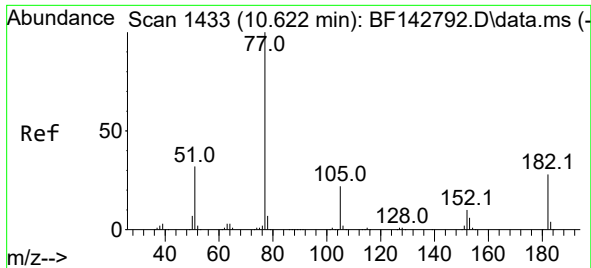
Tgt Ion:165 Resp: 17309
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.794 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:165 Resp: 17309
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#

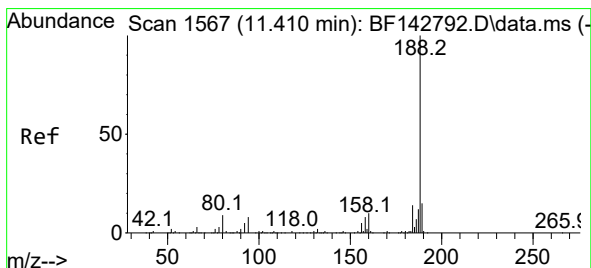
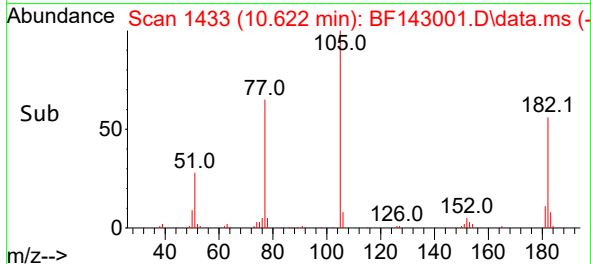
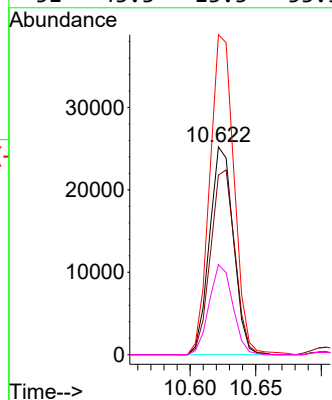
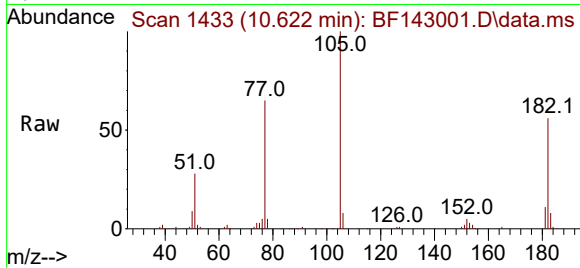




#63
Azobenzene
Concen: 4.174 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

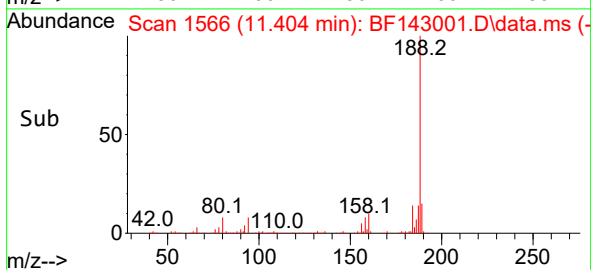
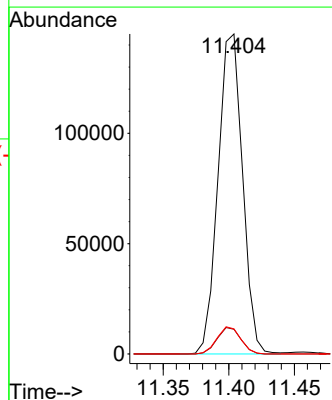
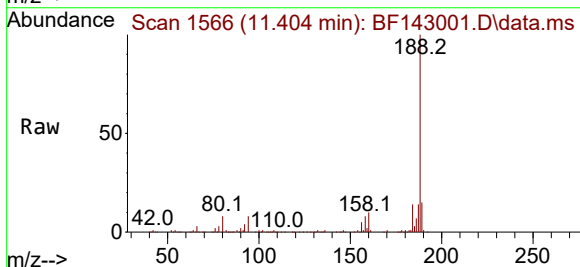
Instrument :
BNA_F
ClientSampleId :
PIT#4

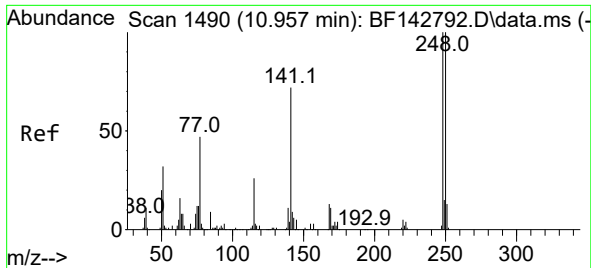
Tgt Ion: 77 Resp: 31948
Ion Ratio Lower Upper
77 100
182 86.4 7.7 47.7#
105 154.0 1.9 41.9#
51 43.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:188 Resp: 188390
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.8 6.9 10.3

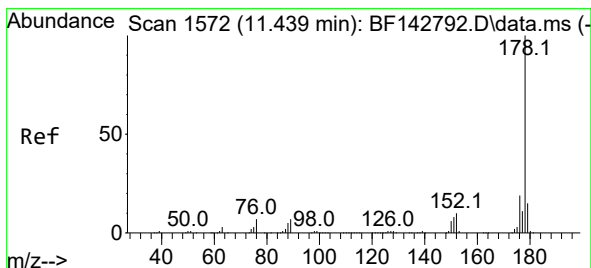
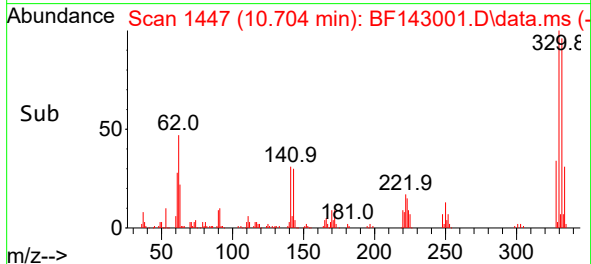
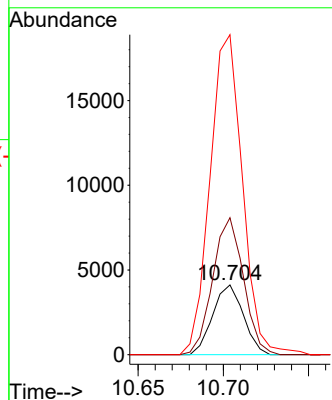
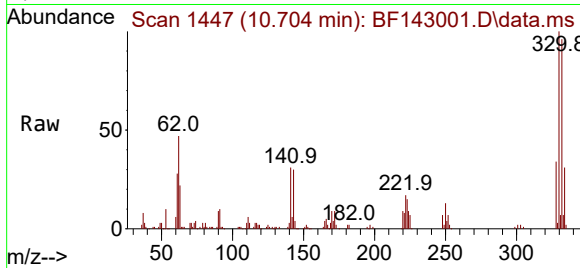




#67
4-Bromophenyl-phenylether
Concen: 2.401 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

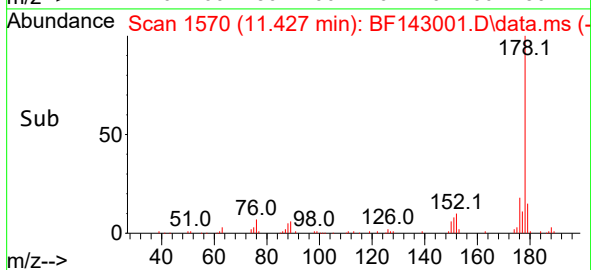
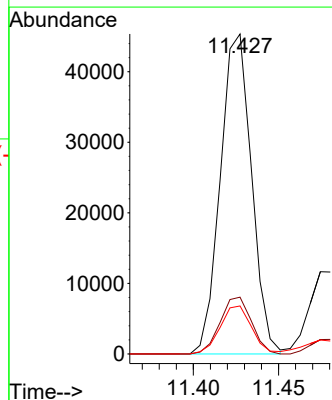
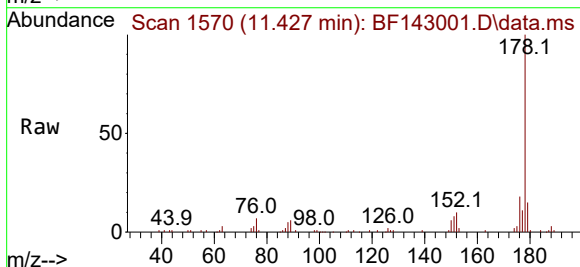
Instrument :
BNA_F
ClientSampleId :
PIT#4

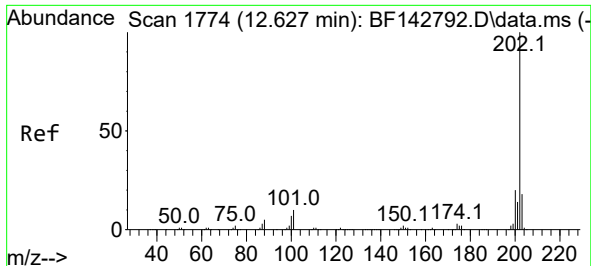
Tgt Ion:248 Resp: 5148
Ion Ratio Lower Upper
248 100
250 196.4 79.8 119.8#
141 458.7 57.8 86.6#



#71
Phenanthrene
Concen: 5.661 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:178 Resp: 57774
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 15.0 12.0 18.0

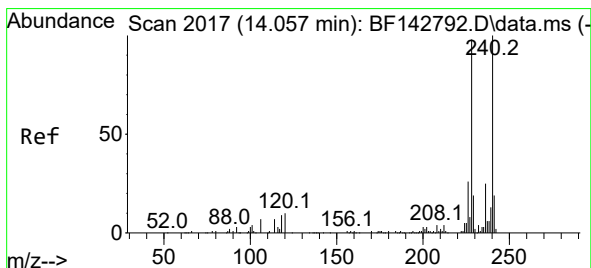
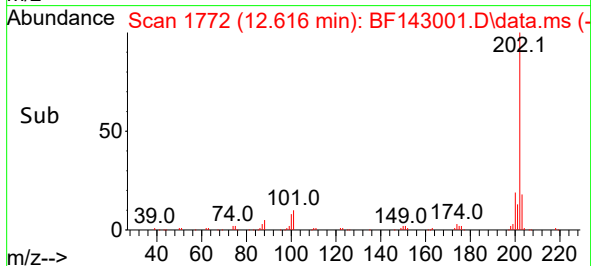
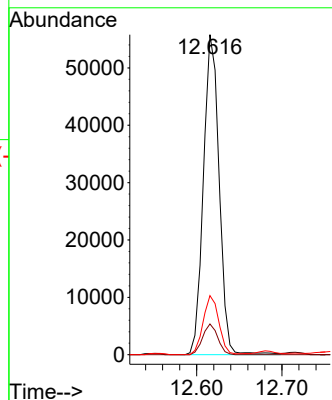
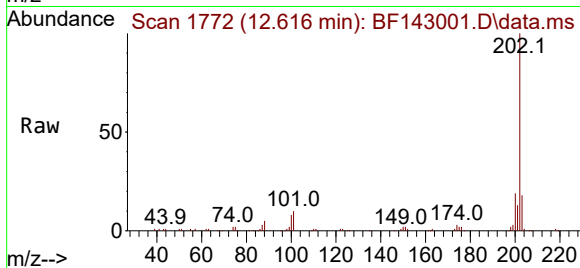




#75
Fluoranthene
Concen: 7.404 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

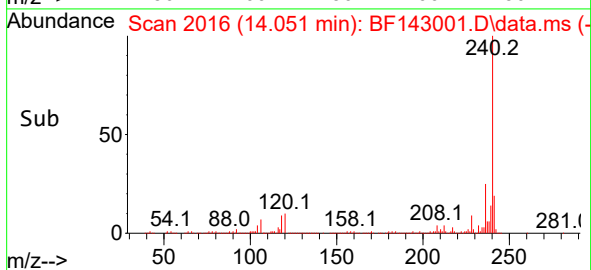
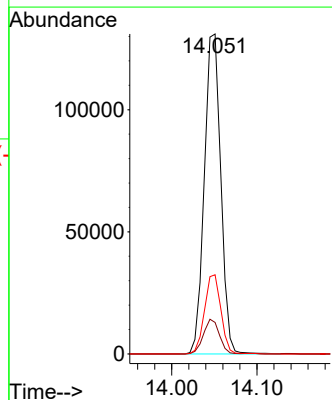
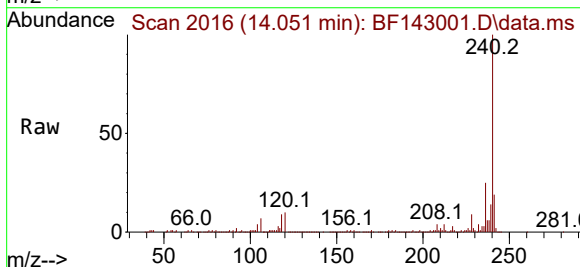
Instrument :
BNA_F
ClientSampleId :
PIT#4

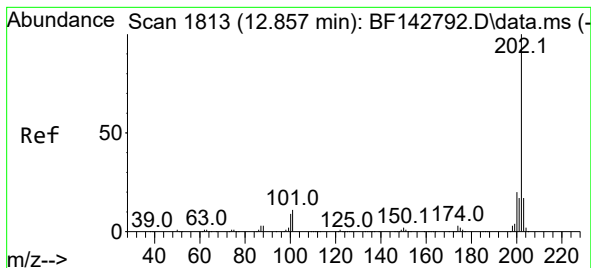
Tgt Ion:202 Resp: 71704
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 18.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143001.D
Acq: 03 Jul 2025 17:30

Tgt Ion:240 Resp: 176129
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.7 19.8 29.8





#78

Pyrene

Concen: 3.937 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

PIT#4

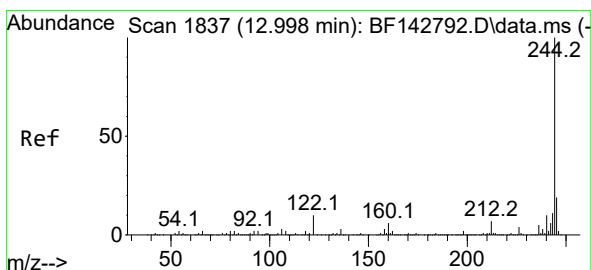
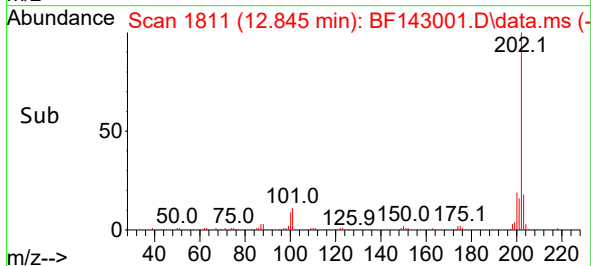
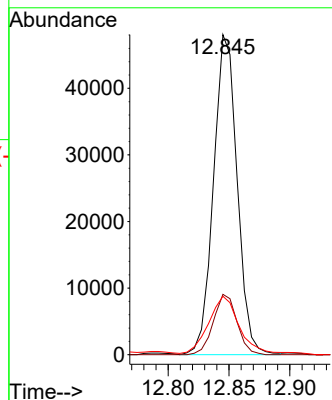
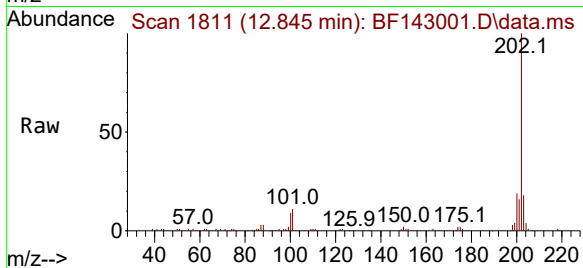
Tgt Ion:202 Resp: 65001

Ion Ratio Lower Upper

202 100

200 18.9 15.7 23.5

203 18.3 13.8 20.6



#79

Terphenyl-d14

Concen: 27.854 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

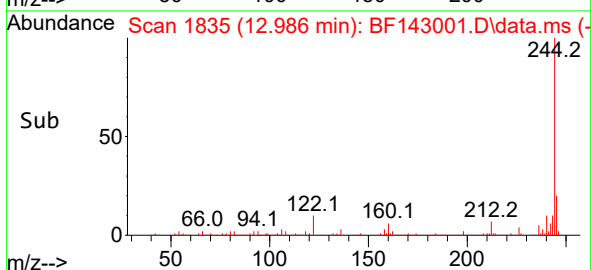
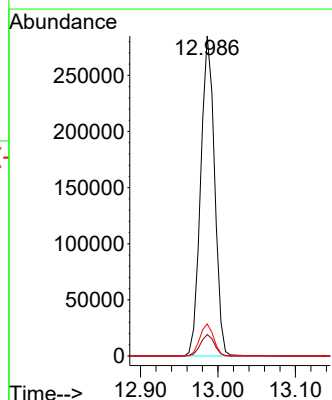
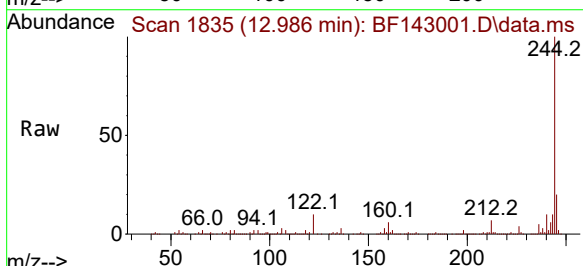
Tgt Ion:244 Resp: 355064

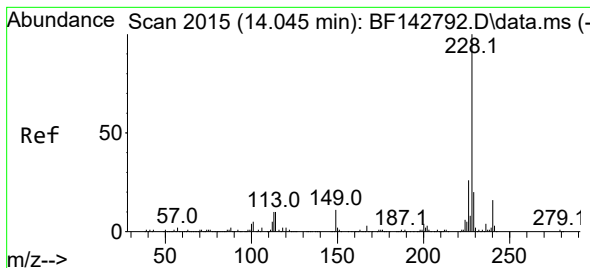
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.0 8.2 12.2





#81

Benzo(a)anthracene

Concen: 3.351 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

PIT#4

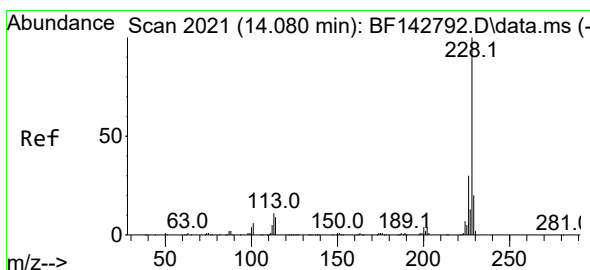
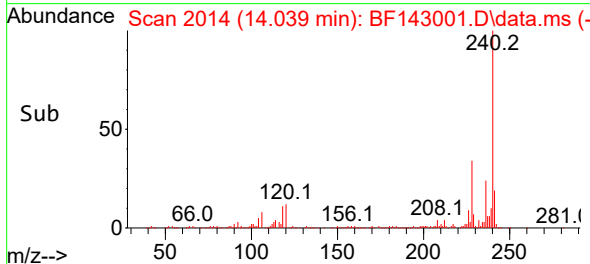
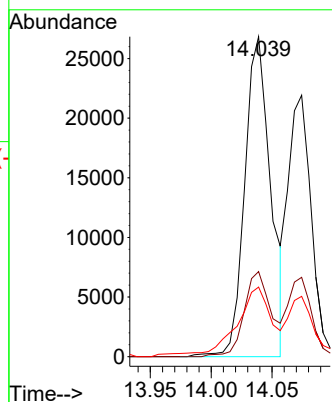
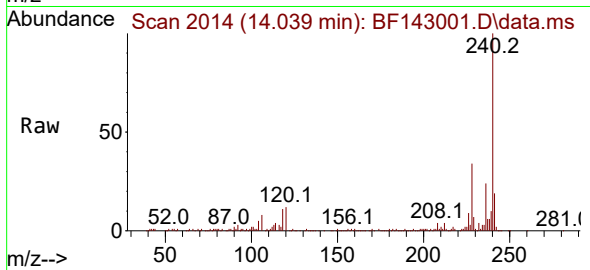
Tgt Ion:228 Resp: 39815

Ion Ratio Lower Upper

228 100

226 26.6 21.2 31.8

229 21.7 15.6 23.4



#83

Chrysene

Concen: 2.712 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

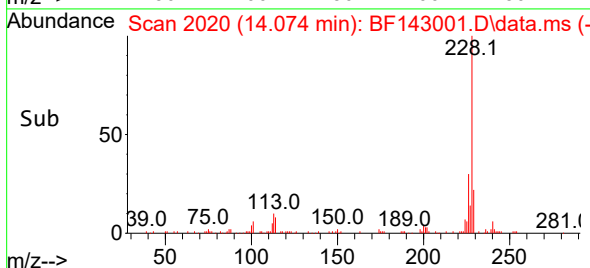
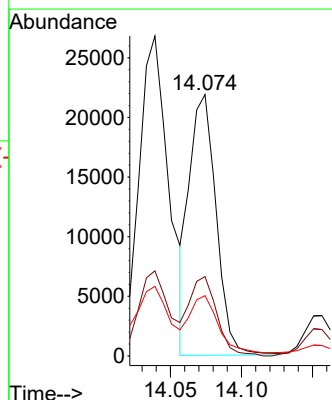
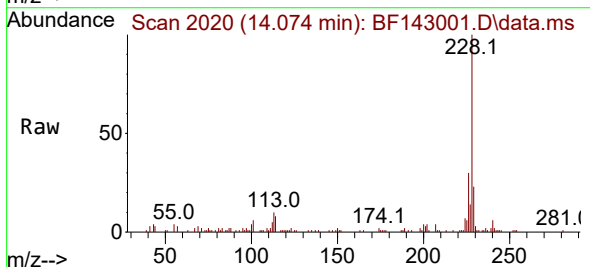
Tgt Ion:228 Resp: 28757

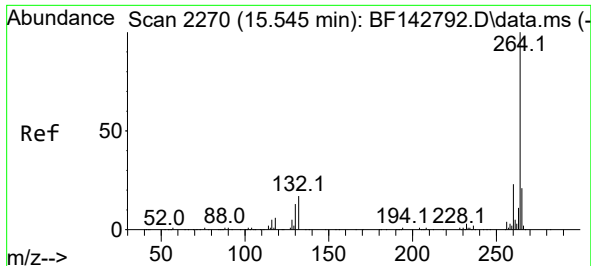
Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 23.1 15.7 23.5

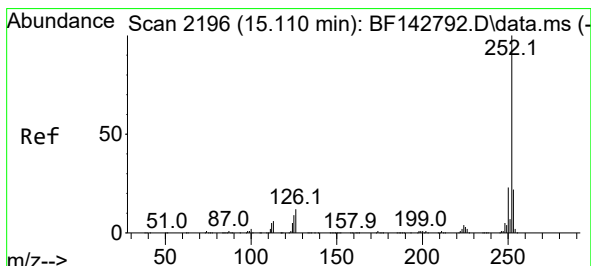
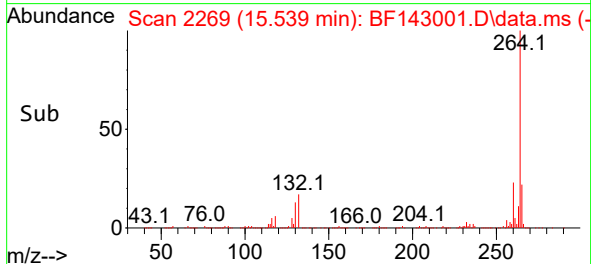
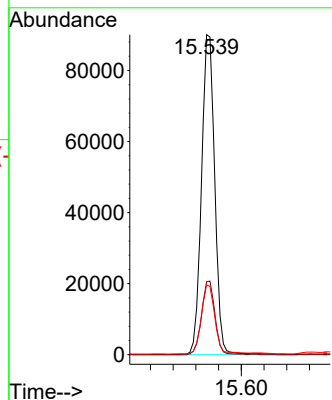
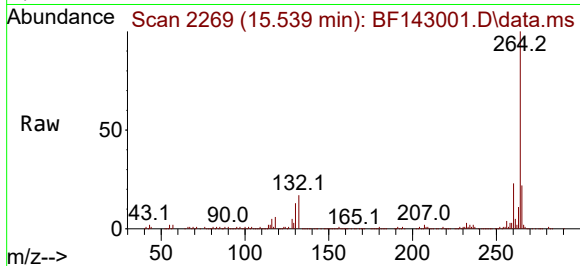




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF143001.D
 Acq: 03 Jul 2025 17:30

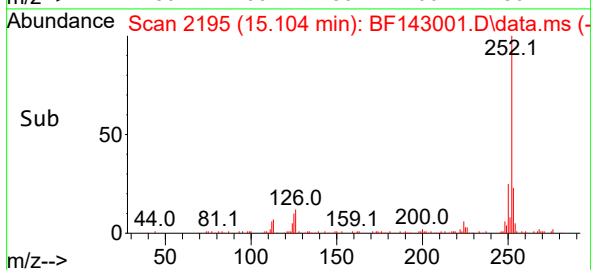
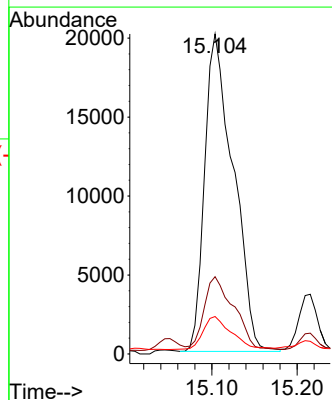
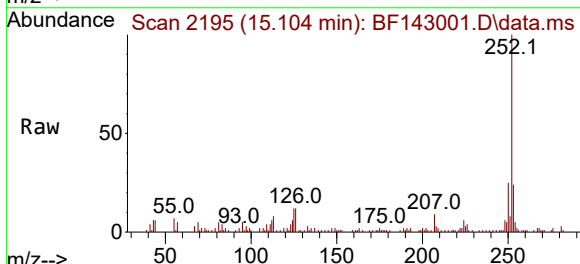
Instrument :
 BNA_F
 ClientSampleId :
 PIT#4

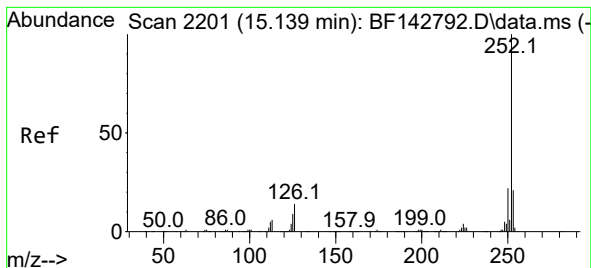
Tgt Ion:264 Resp: 145690
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 21.8 16.6 25.0



#88
 Benzo(b)fluoranthene
 Concen: 5.574 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF143001.D
 Acq: 03 Jul 2025 17:30

Tgt Ion:252 Resp: 46993
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.5 26.3
 125 11.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 5.958 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

PIT#4

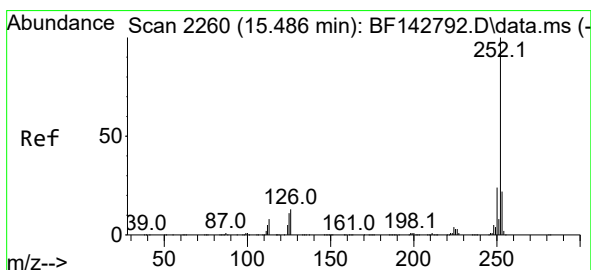
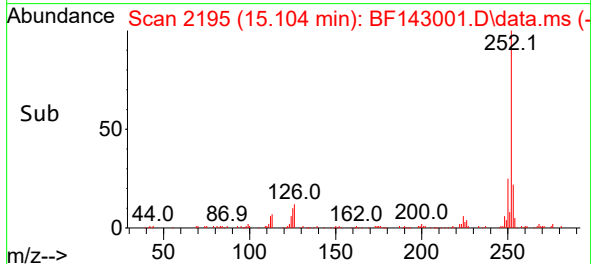
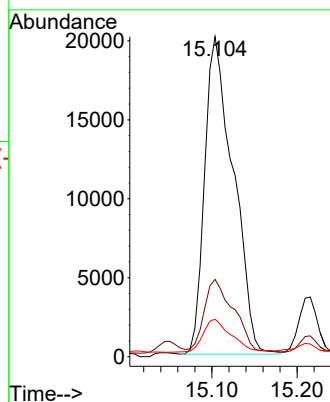
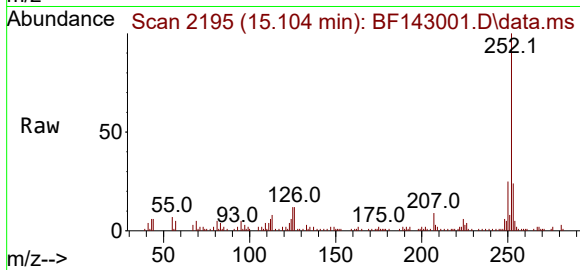
Tgt Ion:252 Resp: 46993

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 11.7 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 3.128 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF143001.D

Acq: 03 Jul 2025 17:30

Tgt Ion:252 Resp: 25478

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.3 8.6 12.8

