

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142979.D
 Acq On : 02 Jul 2025 19:21
 Operator : RC/JU
 Sample : Q2458-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-68

Quant Time: Jul 03 01:08:09 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

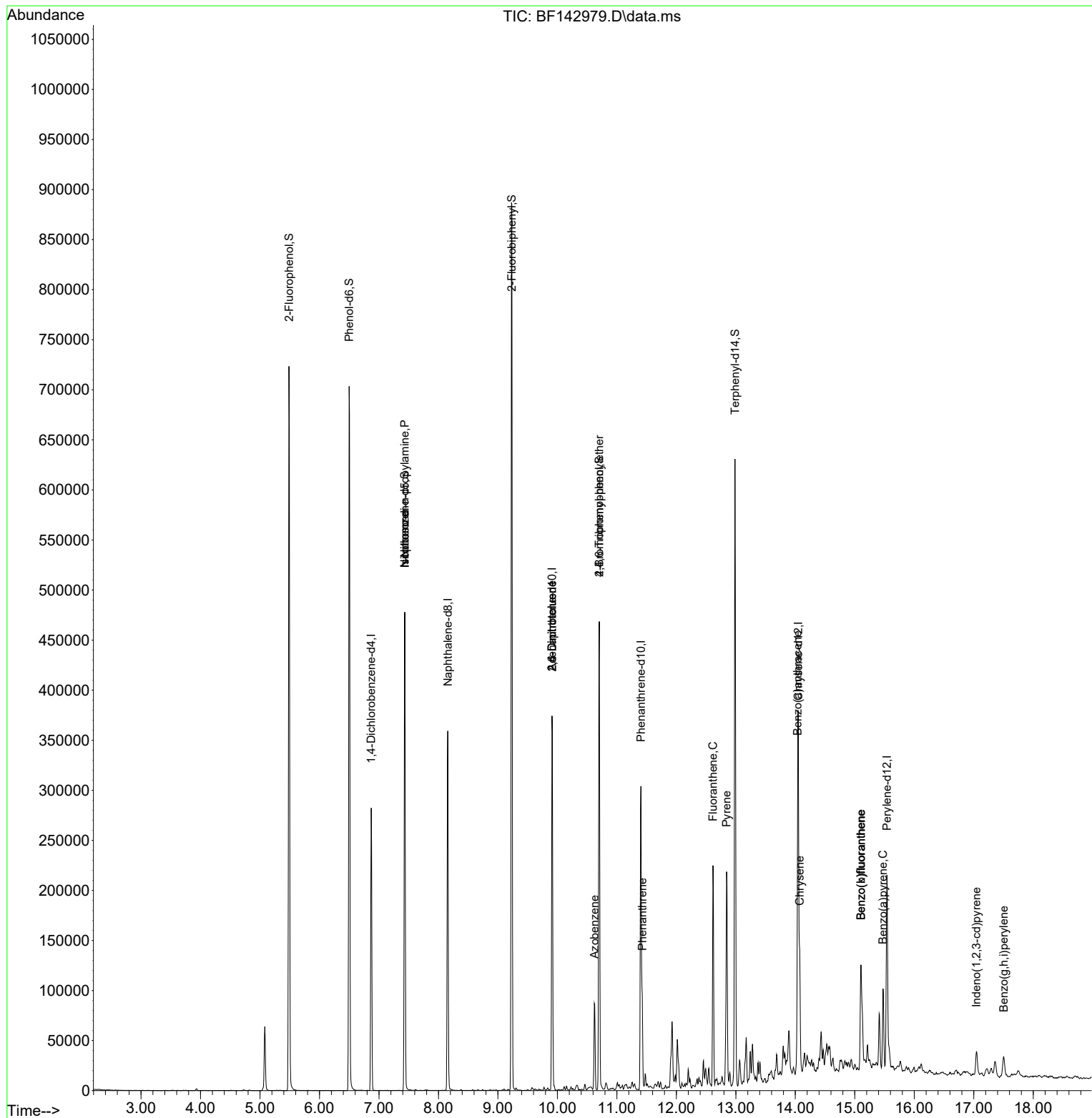
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60603	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	232159	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	115889	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	161669	20.000	ng	0.00
76) Chrysene-d12	14.051	240	127172	20.000	ng	0.00
86) Perylene-d12	15.539	264	112443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	281320	77.286	ng	0.00
7) Phenol-d6	6.498	99	325677	75.836	ng	-0.01
23) Nitrobenzene-d5	7.434	82	198638	46.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	80339	67.366	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	413980	46.927	ng	-0.01
79) Terphenyl-d14	12.986	244	293990	31.942	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	25560	10.234	ng	# 79
25) Isophorone	7.434	82	198636	29.256	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14983	9.095	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	14983	6.847	ng	# 26
63) Azobenzene	10.622	77	20384	3.101	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4954	2.692	ng	# 1
71) Phenanthrene	11.427	178	49924	5.701	ng	99
75) Fluoranthene	12.616	202	124077	14.929	ng	100
78) Pyrene	12.845	202	128066	10.743	ng	98
81) Benzo(a)anthracene	14.039	228	81667	9.519	ng	98
83) Chrysene	14.074	228	61225	7.998	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	17586	2.053	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	88380	13.583	ng	98
89) Benzo(k)fluoranthene	15.104	252	88380	14.519	ng	97
90) Benzo(a)pyrene	15.474	252	47008	7.479	ng	98
92) Benzo(g,h,i)perylene	17.503	276	18329	2.641	ng	97

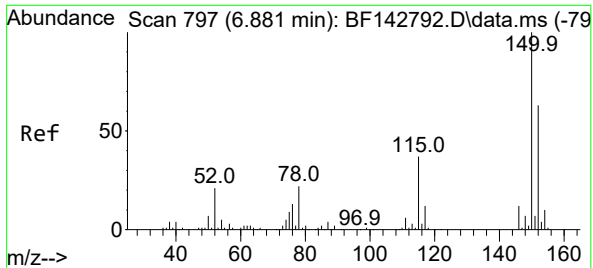
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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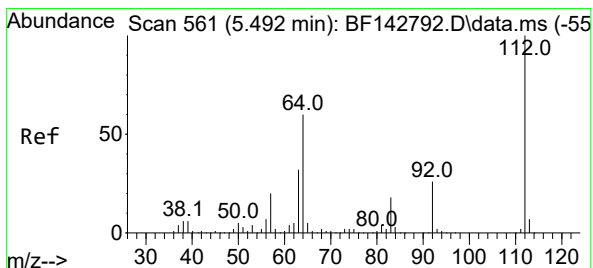
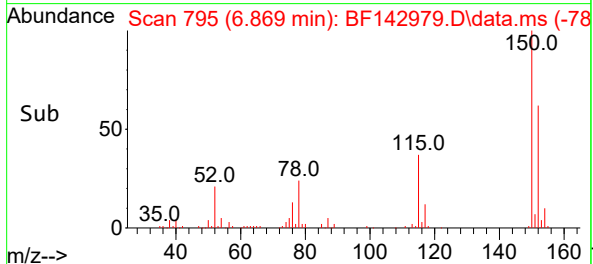
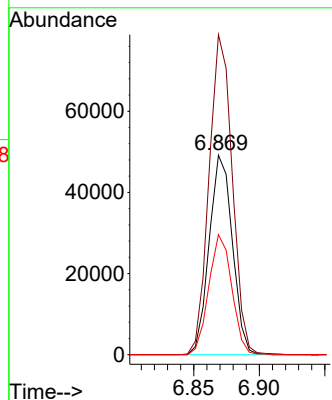
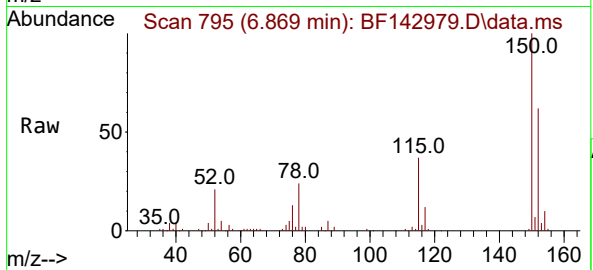




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142979.D
 Acq: 02 Jul 2025 19:21

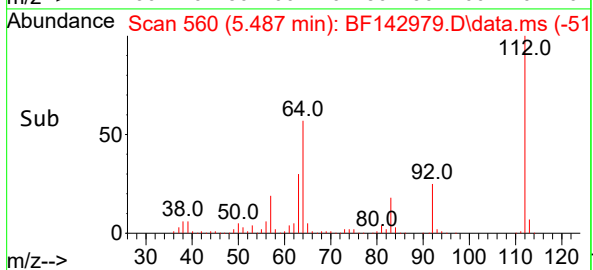
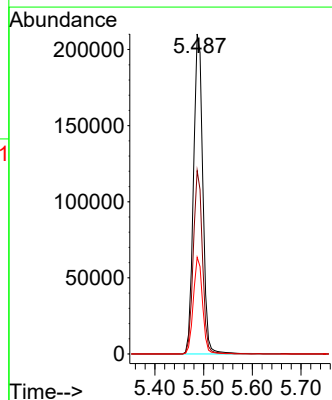
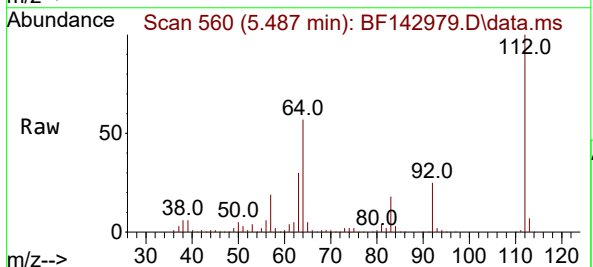
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 BNA_F
 ClientSampleId :
 TP-68

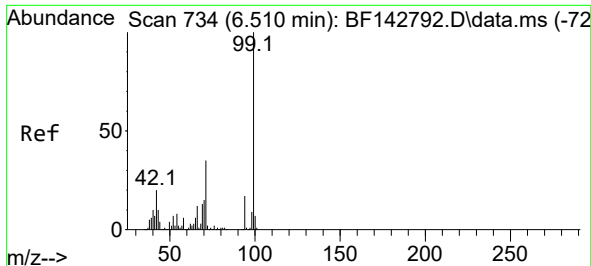
Tgt Ion:152 Resp: 60603
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.2 190.8
 115 60.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 77.286 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142979.D
 Acq: 02 Jul 2025 19:21

Tgt Ion:112 Resp: 281320
 Ion Ratio Lower Upper
 112 100
 64 57.3 48.2 72.2
 63 30.2 25.7 38.5

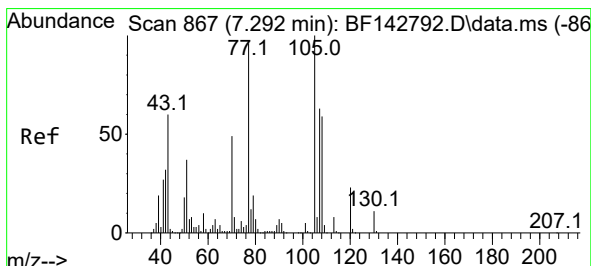
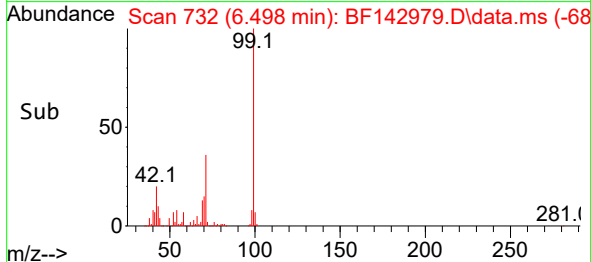
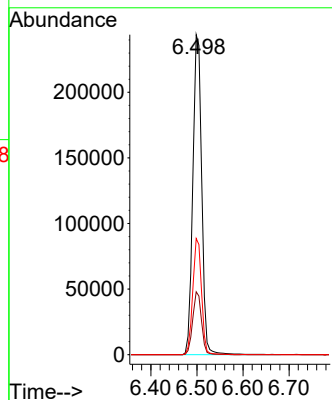
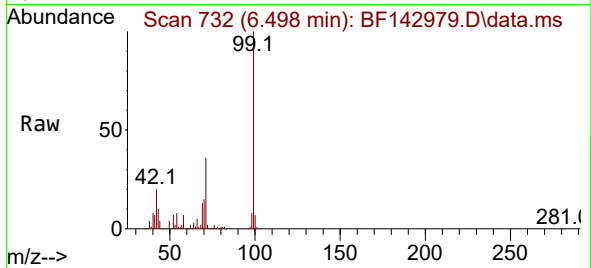




#7
Phenol-d6
Concen: 75.836 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

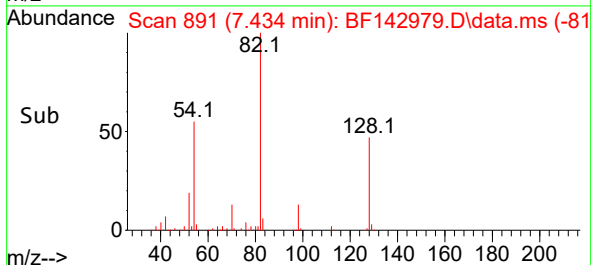
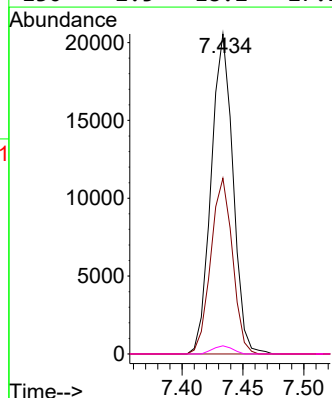
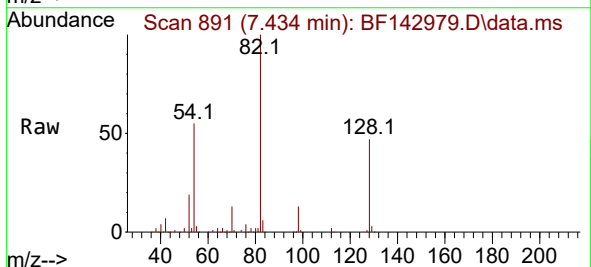
Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion: 99 Resp: 325677
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 36.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.234 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion: 70 Resp: 25560
Ion Ratio Lower Upper
70 100
42 54.9 52.1 78.1
101 0.0 8.2 12.2#
130 2.5 18.2 27.2#



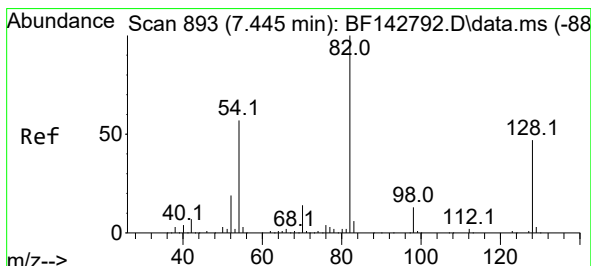
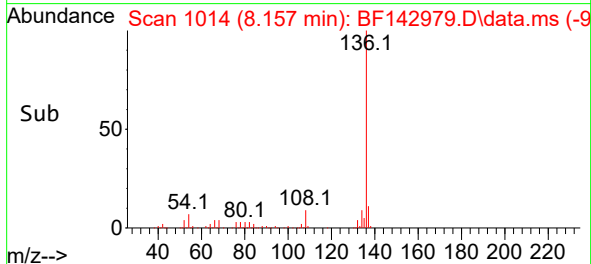
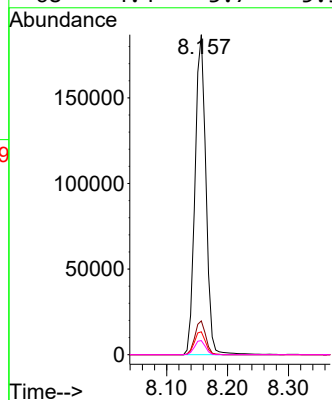
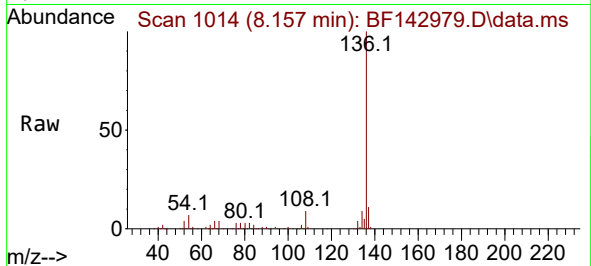


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Instrument :
BNA_F
ClientSampleId :
TP-68

Tgt Ion:136 Resp: 232159

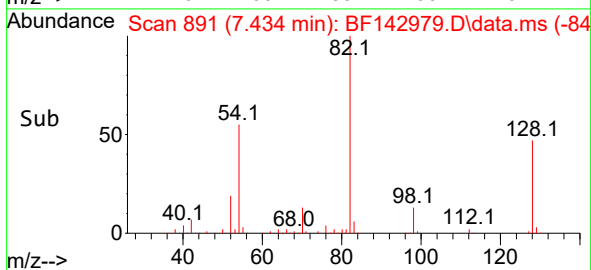
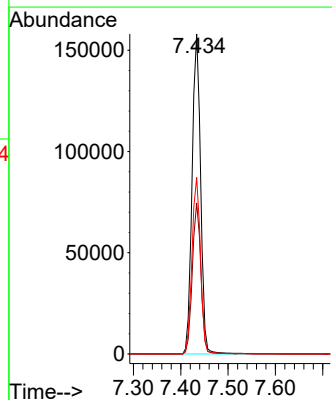
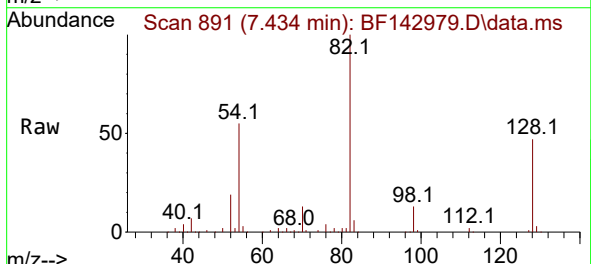
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.1	6.3	9.5
68	4.4	3.7	5.5

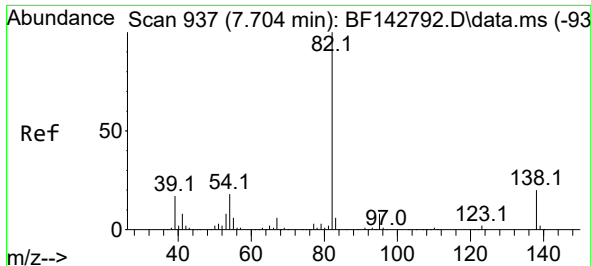


#23
Nitrobenzene-d5
Concen: 46.931 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion: 82 Resp: 198638

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	55.2	45.7	68.5

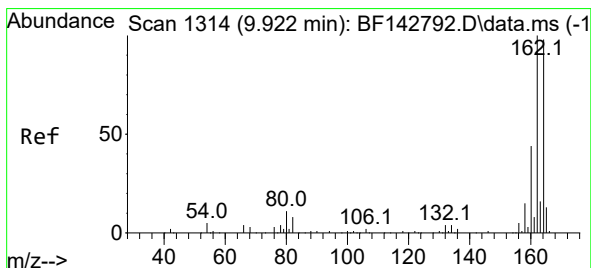
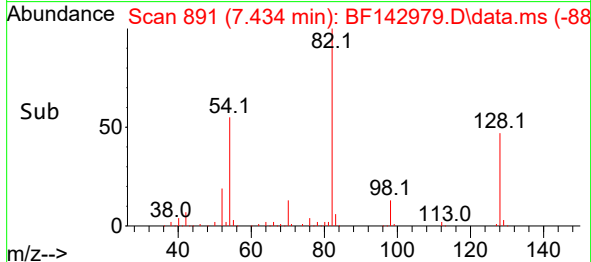
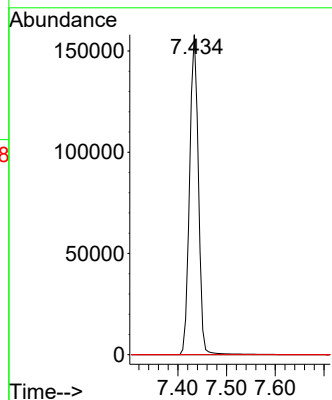
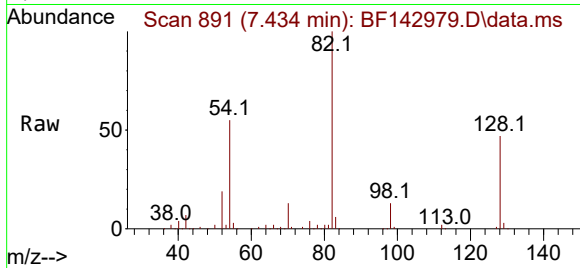




#25
Isophorone
Concen: 29.256 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

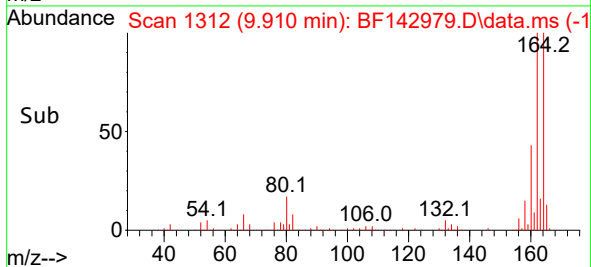
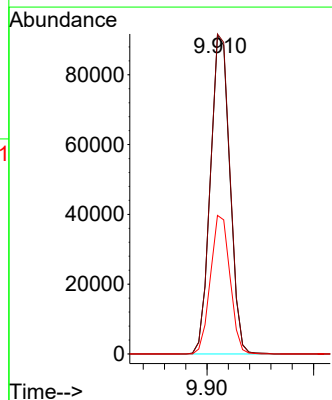
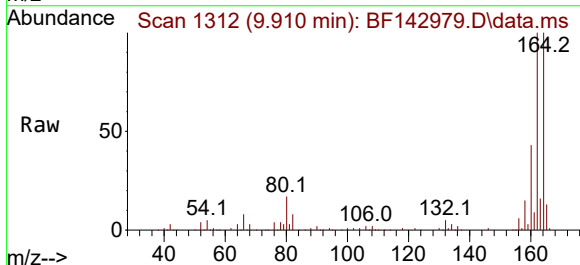
Instrument :
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ClientSampleId :
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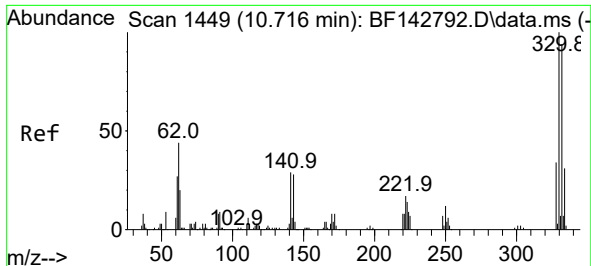
Tgt Ion: 82 Resp: 198636
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:164 Resp: 115889
Ion Ratio Lower Upper
164 100
162 100.4 81.8 122.8
160 43.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 67.366 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

TP-68

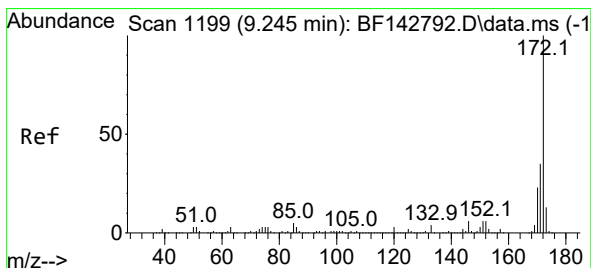
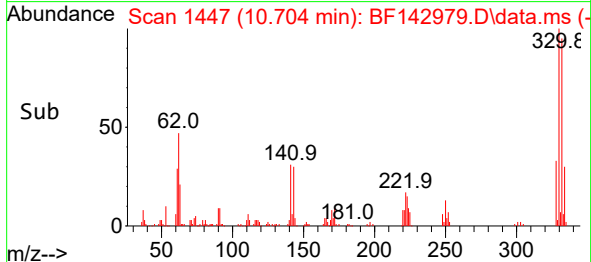
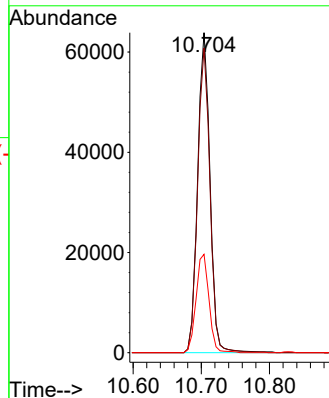
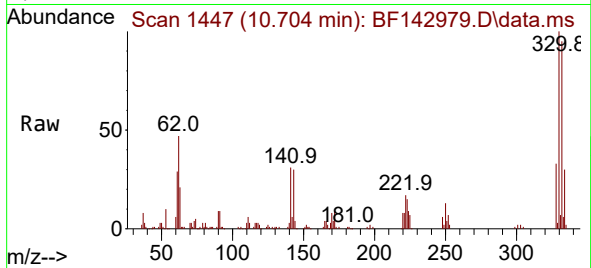
Tgt Ion:330 Resp: 80339

Ion Ratio Lower Upper

330 100

332 95.3 75.0 112.6

141 32.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.927 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

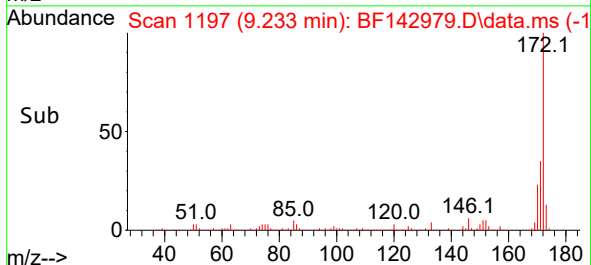
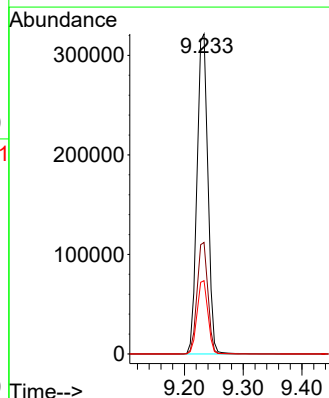
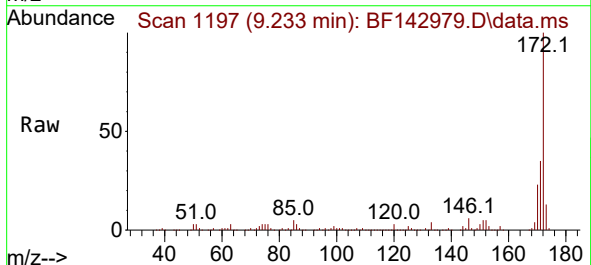
Tgt Ion:172 Resp: 413980

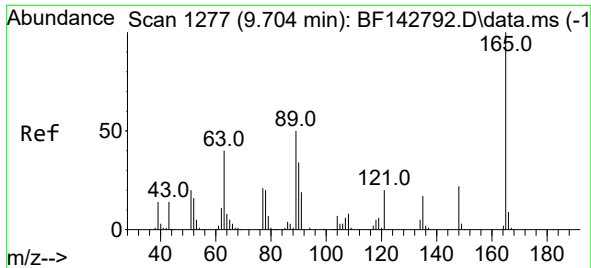
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.9 18.5 27.7

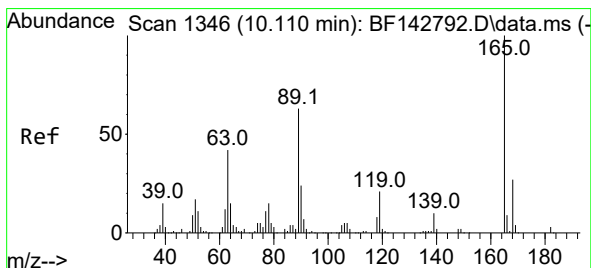
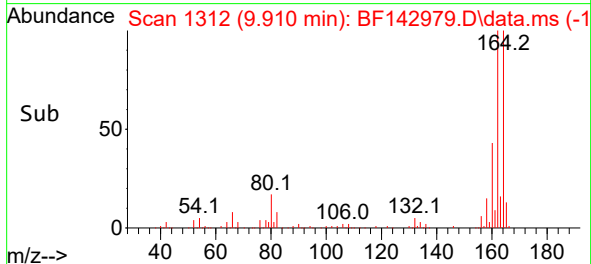
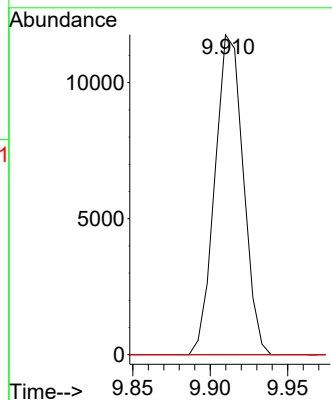
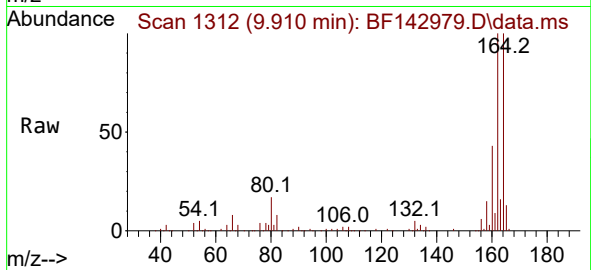




#51
2,6-Dinitrotoluene
Concen: 9.095 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

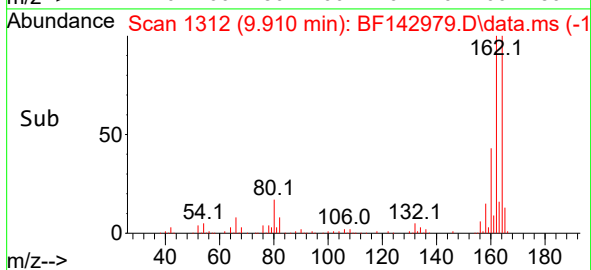
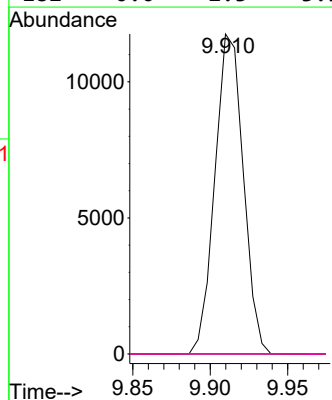
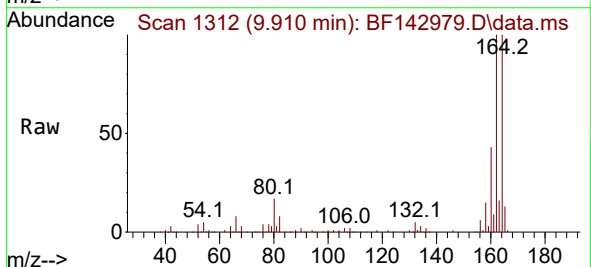
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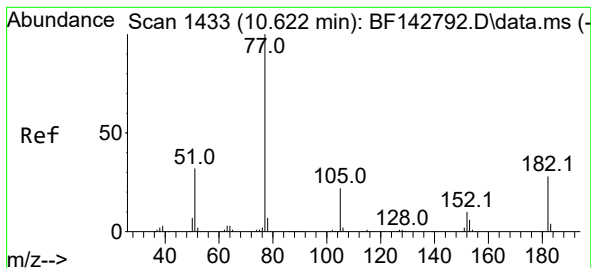
Tgt Ion:165 Resp: 14983
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.847 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:165 Resp: 14983
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: 3.101 ng

RT: 10.622 min Scan# 1433

Delta R.T. -0.000 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

TP-68

Tgt Ion: 77 Resp: 20384

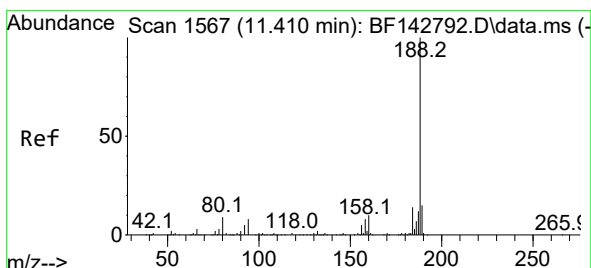
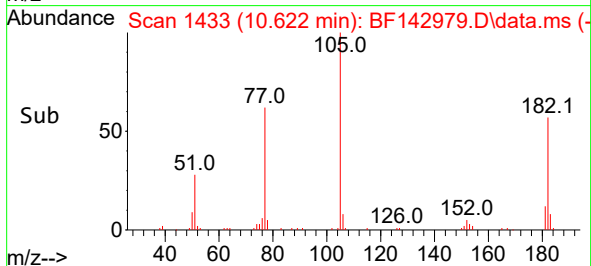
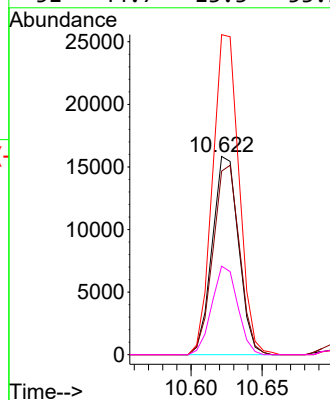
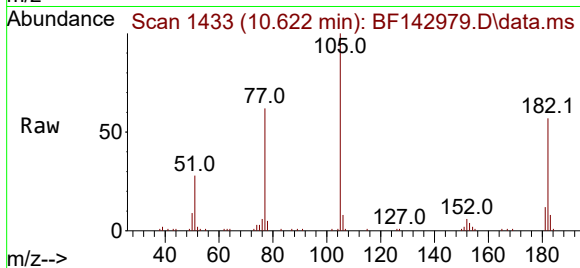
Ion Ratio Lower Upper

77 100

182 92.5 7.7 47.7#

105 161.4 1.9 41.9#

51 44.7 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: BF142979.D

Acq: 02 Jul 2025 19:21

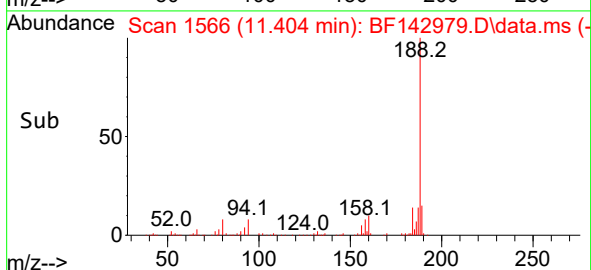
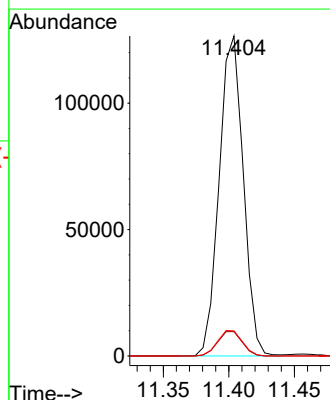
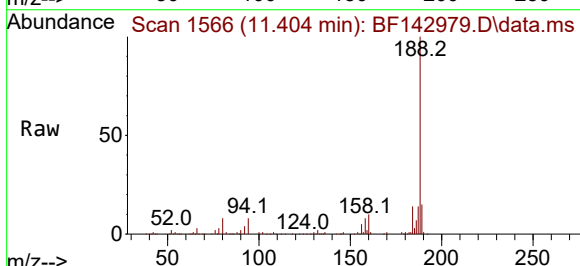
Tgt Ion: 188 Resp: 161669

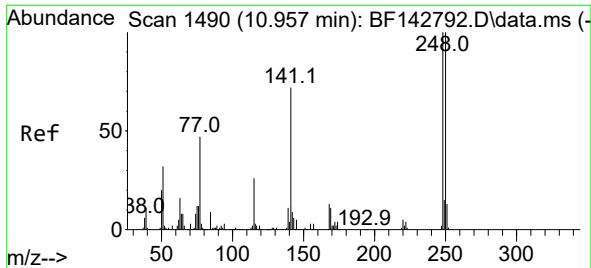
Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 7.9 6.9 10.3

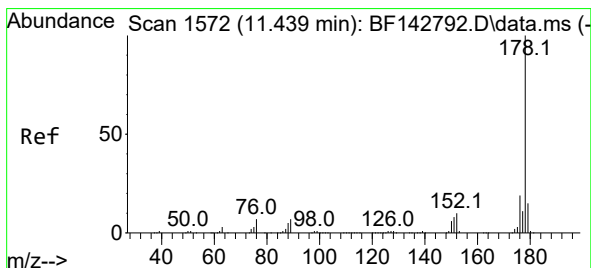
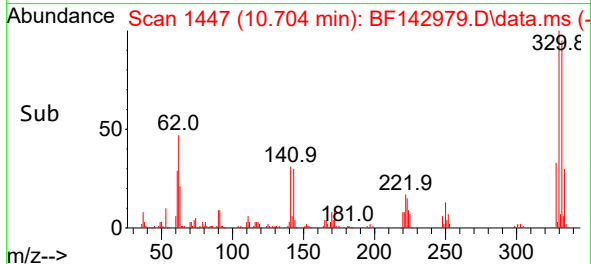
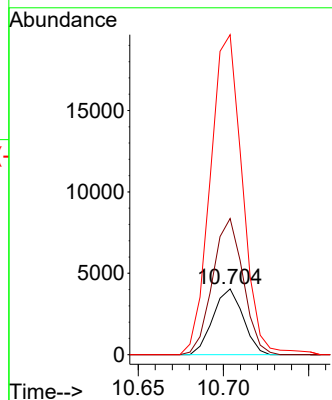
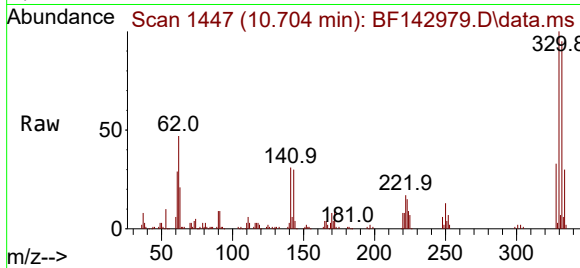




#67
4-Bromophenyl-phenylether
Concen: 2.692 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

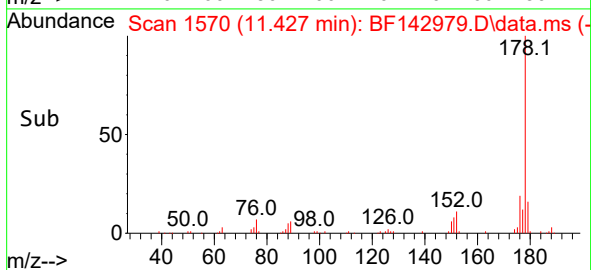
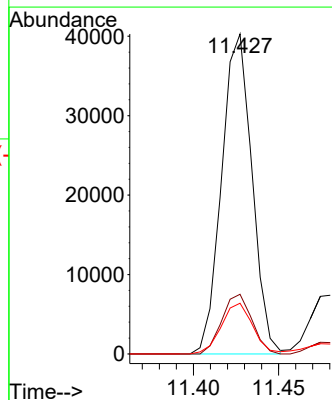
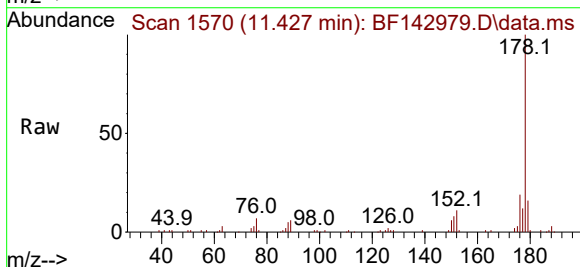
Instrument :
BNA_F
ClientSampleId :
TP-68

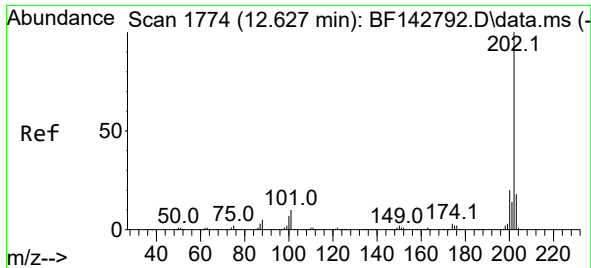
Tgt Ion:248 Resp: 4954
Ion Ratio Lower Upper
248 100
250 207.3 79.8 119.8#
141 487.1 57.8 86.6#



#71
Phenanthrene
Concen: 5.701 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:178 Resp: 49924
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.8 12.0 18.0

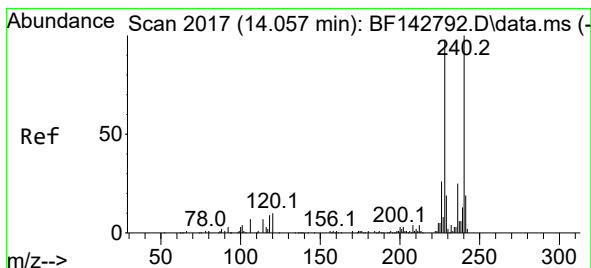
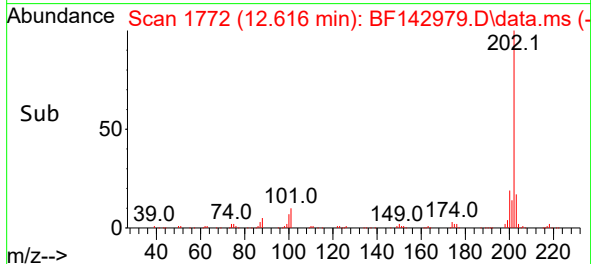
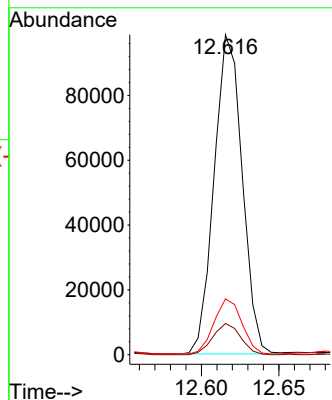
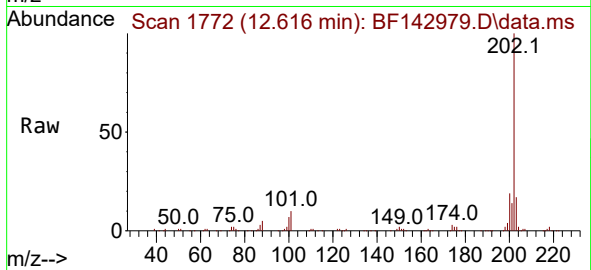




#75
Fluoranthene
Concen: 14.929 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

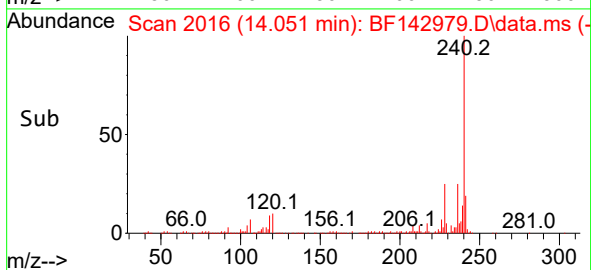
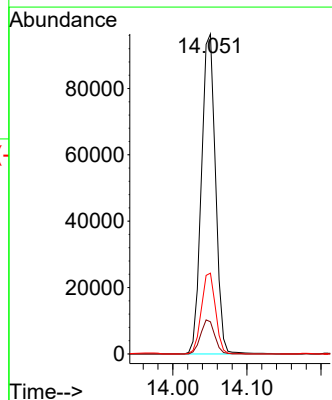
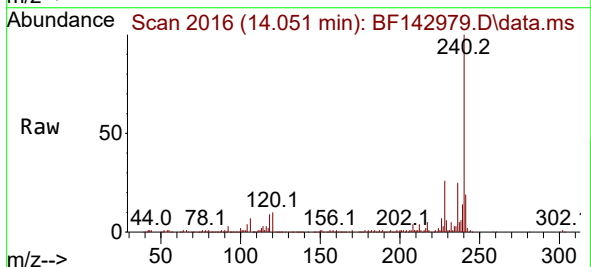
Instrument :
BNA_F
ClientSampleId :
TP-68

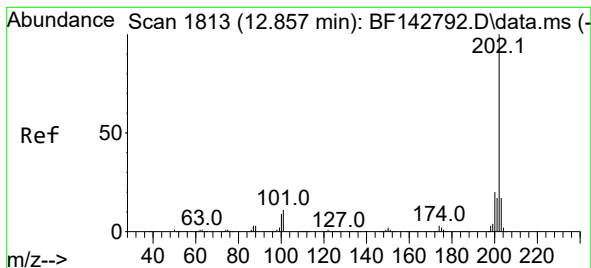
Tgt Ion:202 Resp: 124077
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:240 Resp: 127172
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 10.743 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

TP-68

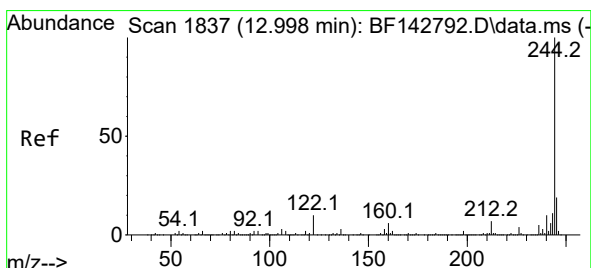
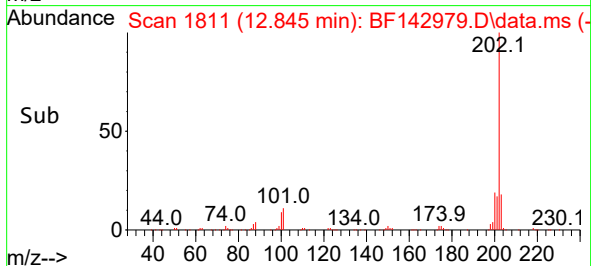
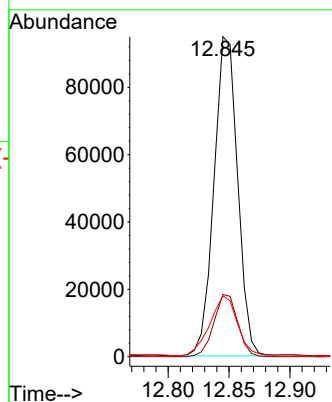
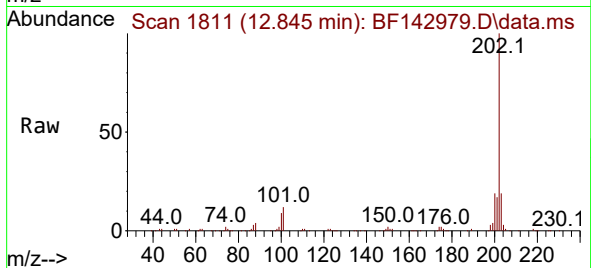
Tgt Ion:202 Resp: 128066

Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 19.0 13.8 20.6



#79

Terphenyl-d14

Concen: 31.942 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

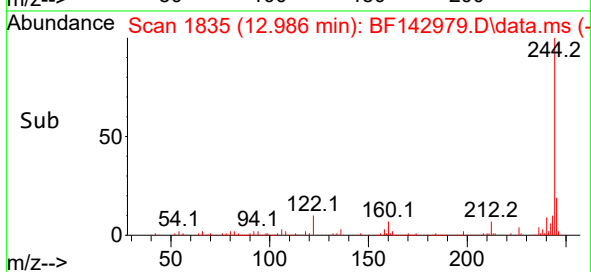
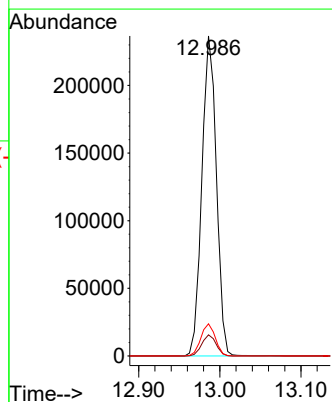
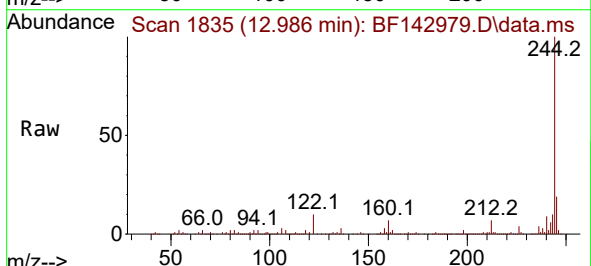
Tgt Ion:244 Resp: 293990

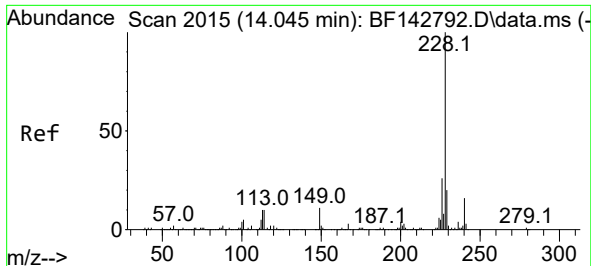
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.1 8.2 12.2

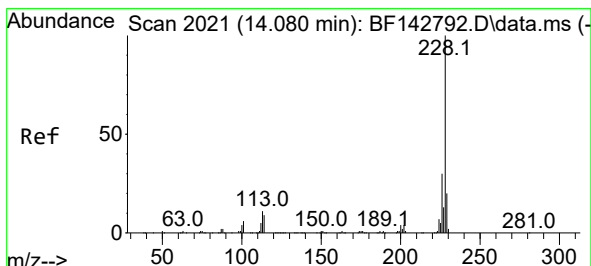
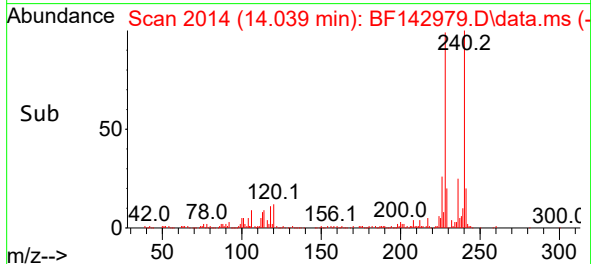
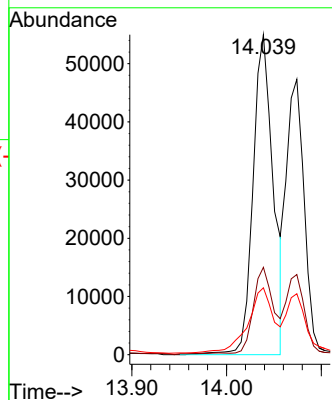
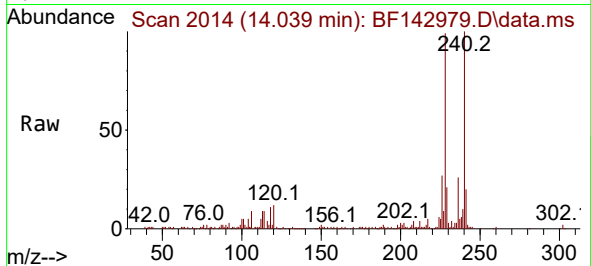




#81
Benzo(a)anthracene
Concen: 9.519 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

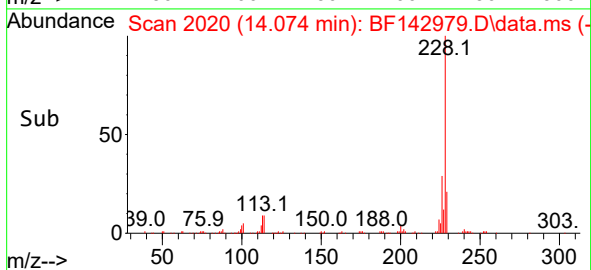
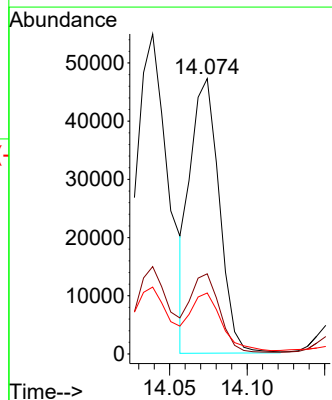
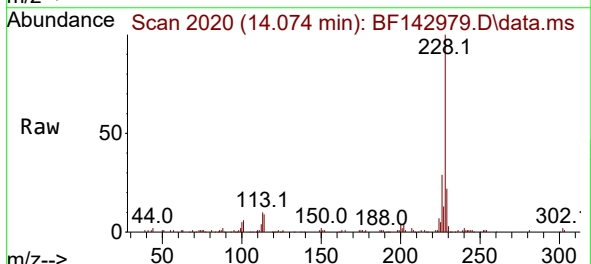
Instrument :
BNA_F
ClientSampleId :
TP-68

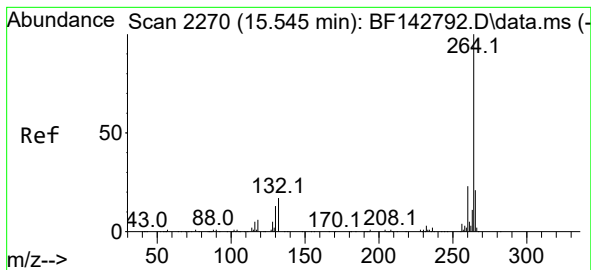
Tgt Ion:228 Resp: 81667
Ion Ratio Lower Upper
228 100
226 27.3 21.2 31.8
229 20.9 15.6 23.4



#83
Chrysene
Concen: 7.998 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:228 Resp: 61225
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

TP-68

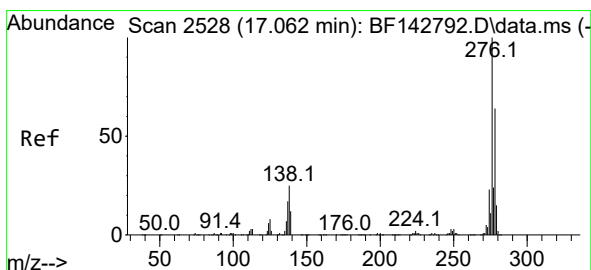
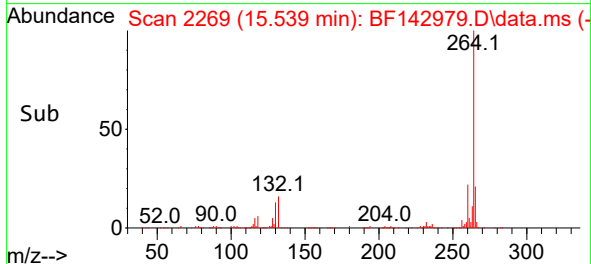
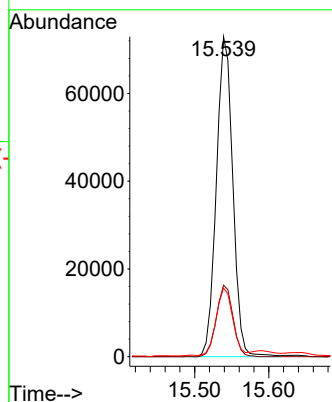
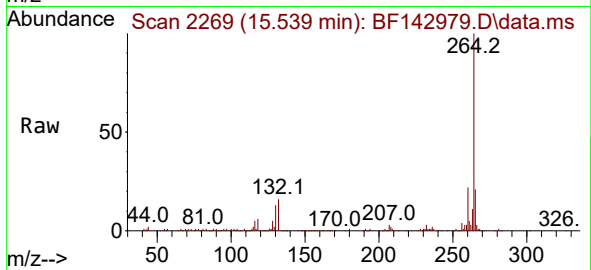
Tgt Ion:264 Resp: 112443

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 21.5 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.053 ng

RT: 17.045 min Scan# 2525

Delta R.T. -0.018 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

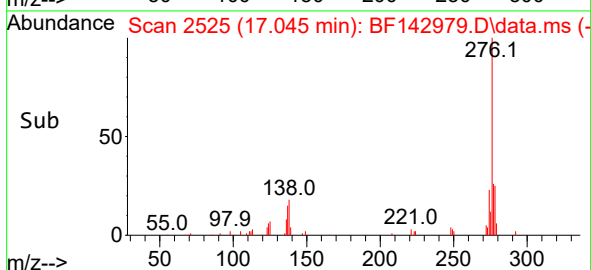
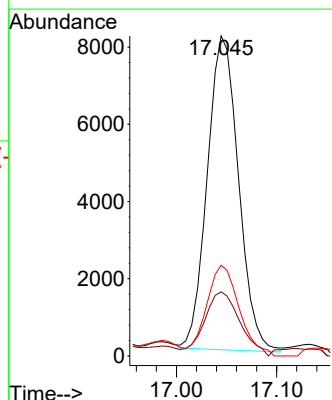
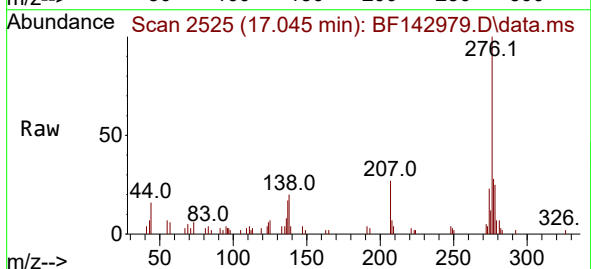
Tgt Ion:276 Resp: 17586

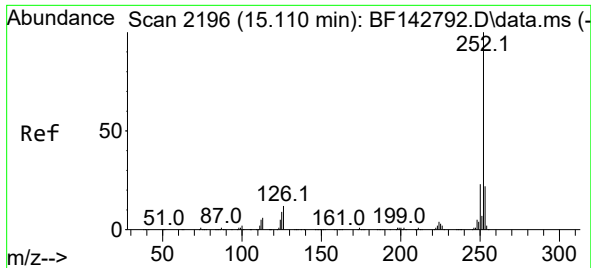
Ion Ratio Lower Upper

276 100

138 23.3 20.2 30.4

277 30.3 19.8 29.6#

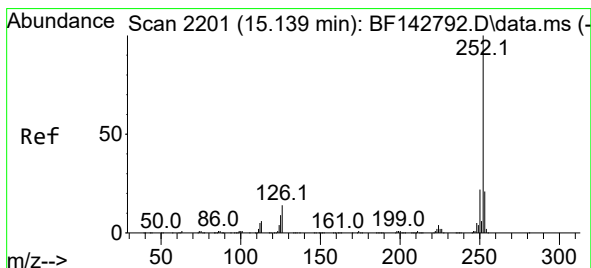
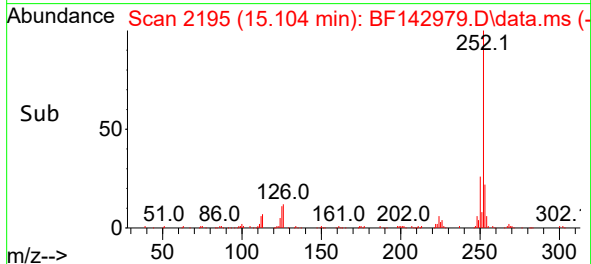
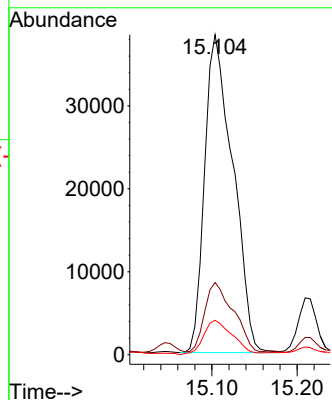
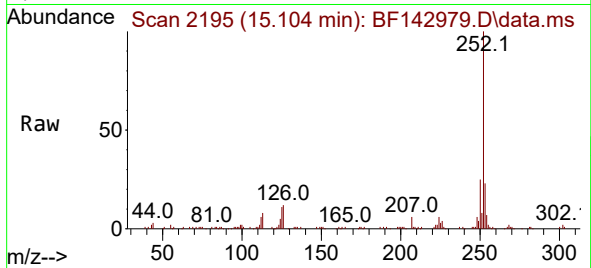




#88
Benzo(b)fluoranthene
Concen: 13.583 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

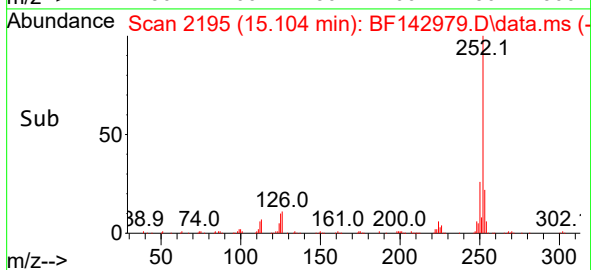
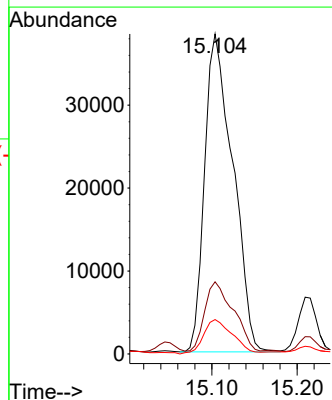
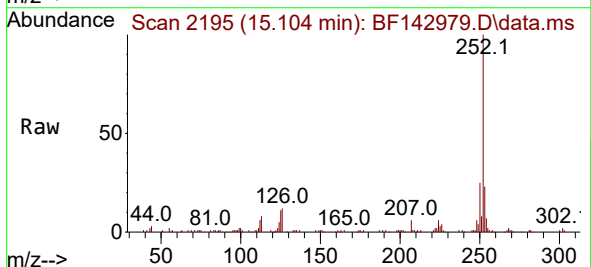
Instrument :
BNA_F
ClientSampleId :
TP-68

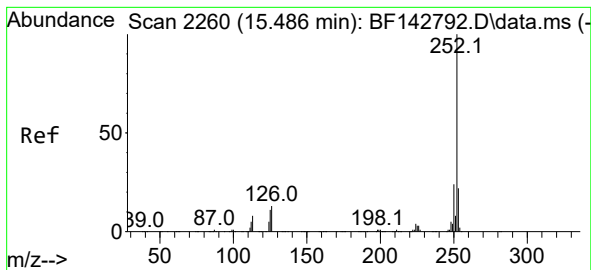
Tgt Ion:252 Resp: 88380
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 10.8 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 14.519 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF142979.D
Acq: 02 Jul 2025 19:21

Tgt Ion:252 Resp: 88380
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 10.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 7.479 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Instrument :

BNA_F

ClientSampleId :

TP-68

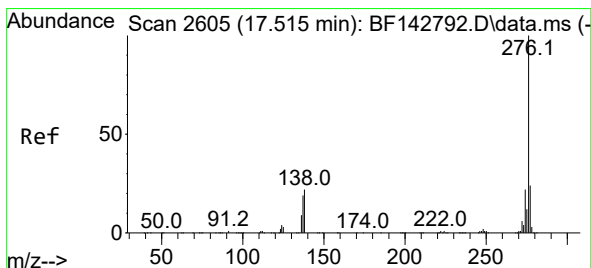
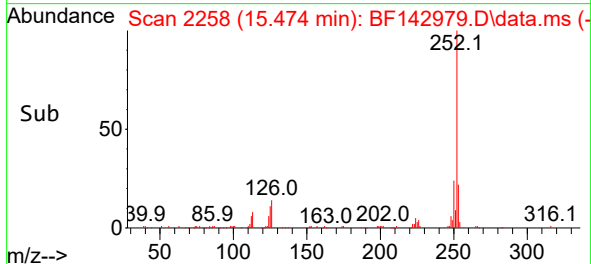
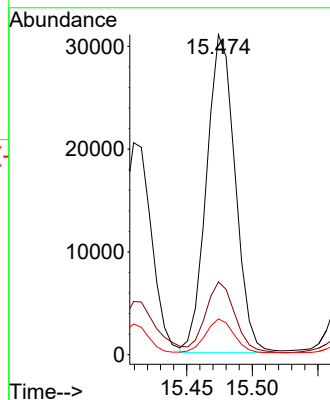
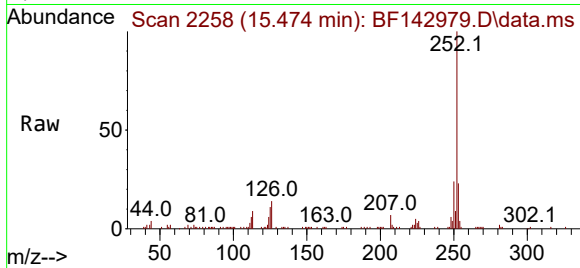
Tgt Ion:252 Resp: 47008

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.2 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 2.641 ng

RT: 17.503 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF142979.D

Acq: 02 Jul 2025 19:21

Tgt Ion:276 Resp: 18329

Ion Ratio Lower Upper

276 100

277 25.6 18.8 28.2

138 22.3 17.6 26.4

