

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142955.D
 Acq On : 01 Jul 2025 18:00
 Operator : RC/JU
 Sample : Q2458-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-60

Quant Time: Jul 01 18:22:17 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)

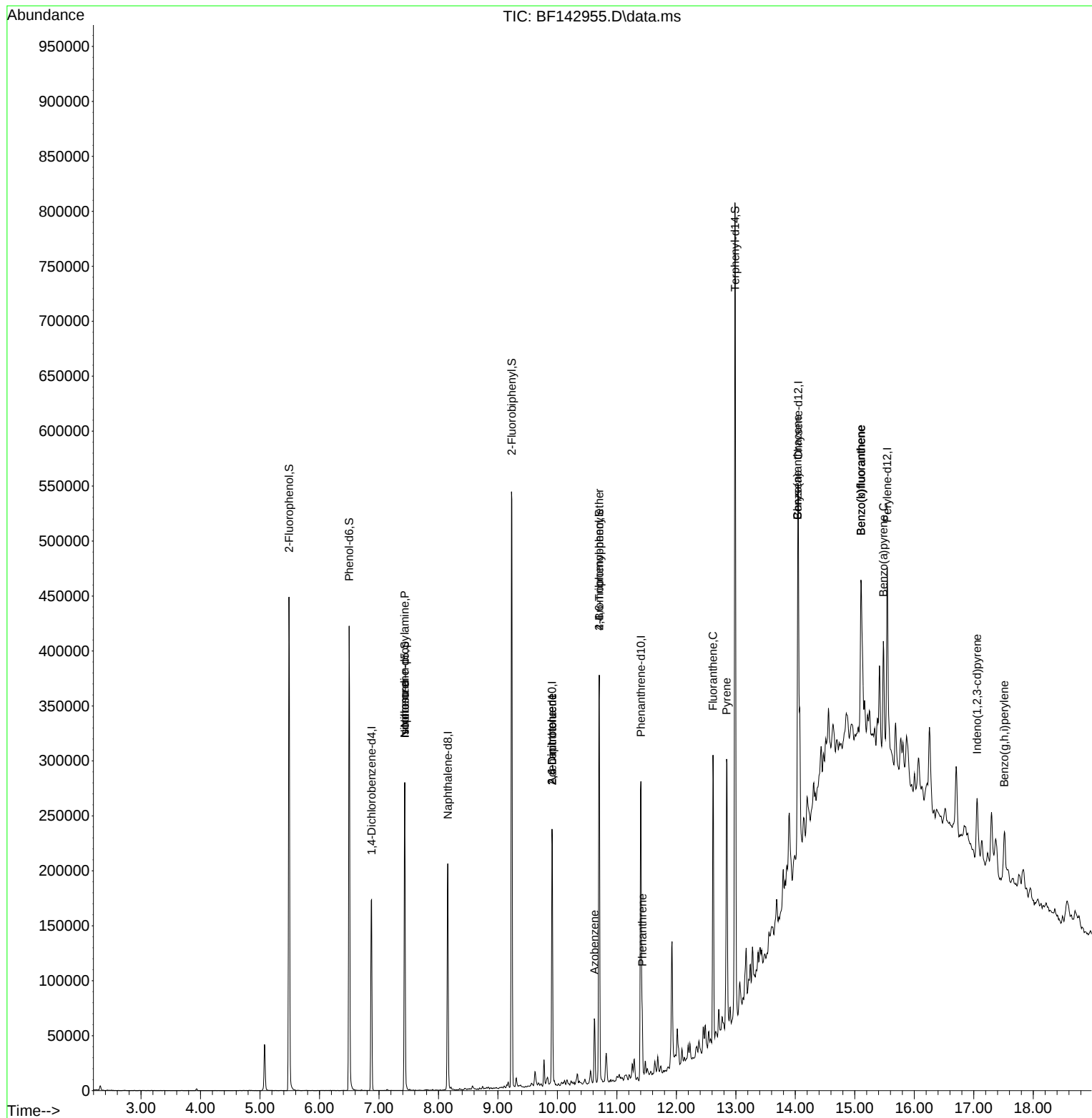
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	40048	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	134037	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	70254	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	141628	20.000	ng	0.00
76) Chrysene-d12	14.051	240	121309	20.000	ng	0.00
86) Perylene-d12	15.545	264	87498	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	176207	73.255	ng	0.00
7) Phenol-d6	6.498	99	192270	67.751	ng	-0.01
23) Nitrobenzene-d5	7.434	82	113844	46.587	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	62492	86.439	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	248940	46.549	ng	-0.01
79) Terphenyl-d14	12.986	244	354143	40.337	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	15303	9.272	ng	# 75
25) Isophorone	7.434	82	113842	29.041	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	9252	9.264	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	9252	6.974	ng	# 26
63) Azobenzene	10.622	77	14740	3.699	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	4233	2.626	ng	# 1
71) Phenanthrene	11.428	178	32686	4.260	ng	98
75) Fluoranthene	12.616	202	152352	20.924	ng	100
78) Pyrene	12.845	202	146607	12.893	ng	98
81) Benzo(a)anthracene	14.039	228	80992	9.897	ng	92
83) Chrysene	14.039	228	80992	11.091	ng	96
87) Indeno(1,2,3-cd)pyrene	17.057	276	37828	5.676	ng	95
88) Benzo(b)fluoranthene	15.104	252	112142	22.149	ng	# 90
89) Benzo(k)fluoranthene	15.104	252	112142	23.674	ng	# 89
90) Benzo(a)pyrene	15.480	252	54461	11.134	ng	# 90
92) Benzo(g,h,i)perylene	17.515	276	40486	7.498	ng	98

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

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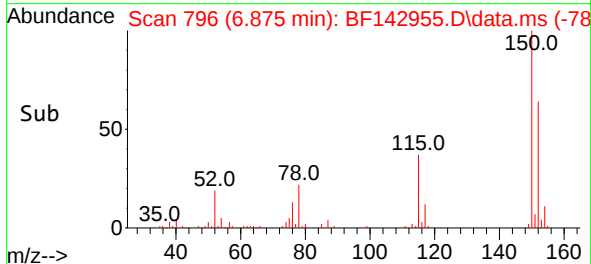
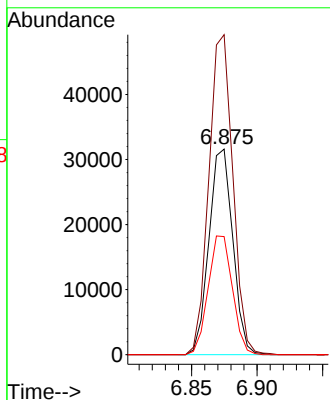
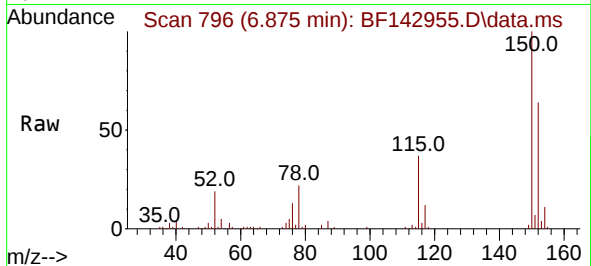




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142955.D
 Acq: 01 Jul 2025 18:00

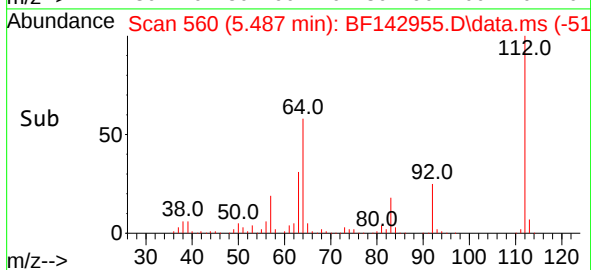
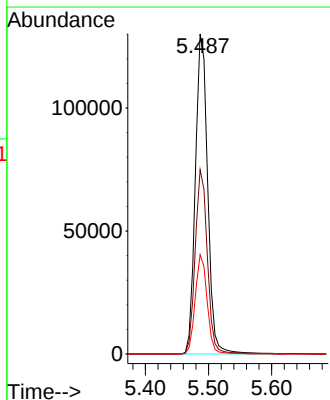
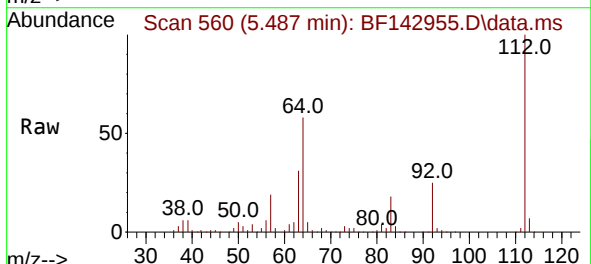
Instrument :
 BNA_F
 ClientSampleId :
 TP-60

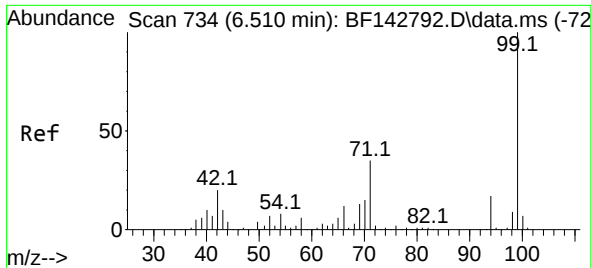
Tgt Ion:152 Resp: 40048
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.2 190.8
 115 57.4 46.6 69.8



#5
 2-Fluorophenol
 Concen: 73.255 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142955.D
 Acq: 01 Jul 2025 18:00

Tgt Ion:112 Resp: 176207
 Ion Ratio Lower Upper
 112 100
 64 57.6 48.2 72.2
 63 31.0 25.7 38.5

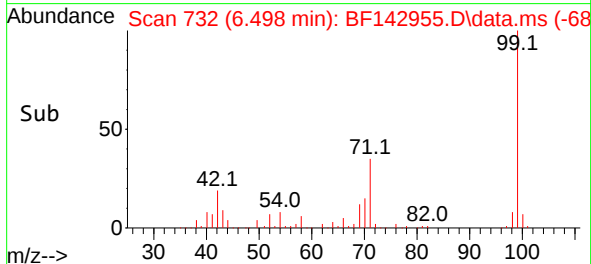
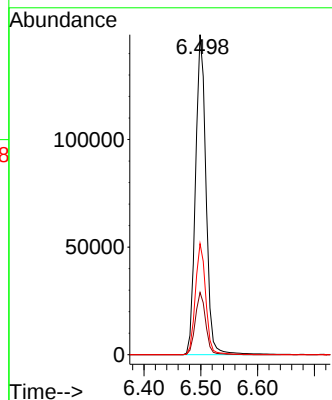
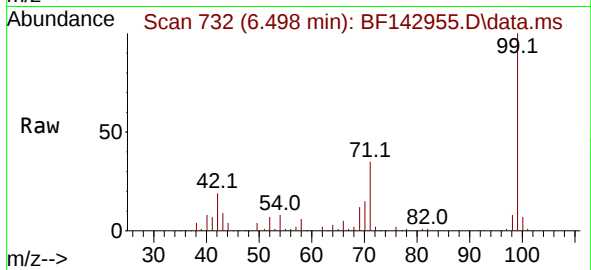




#7
Phenol-d6
Concen: 67.751 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

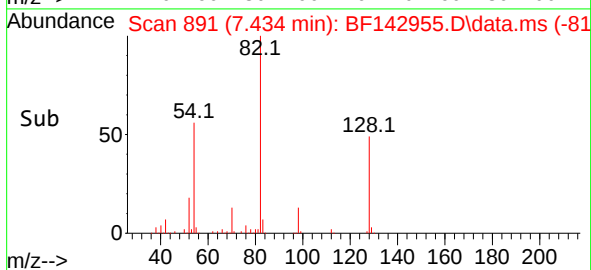
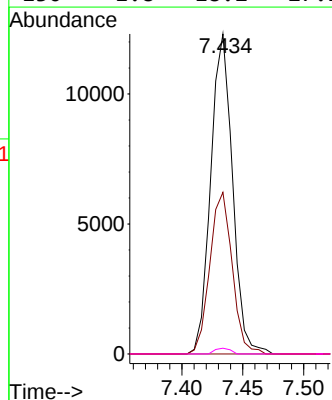
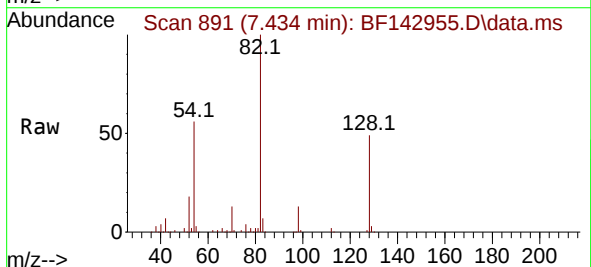
Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 99 Resp: 192270
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.272 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion: 70 Resp: 15303
Ion Ratio Lower Upper
70 100
42 50.5 52.1 78.1#
101 0.0 8.2 12.2#
130 1.8 18.2 27.2#



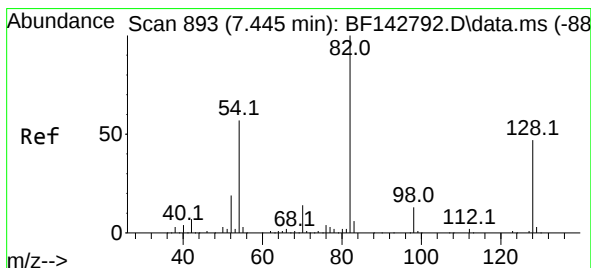
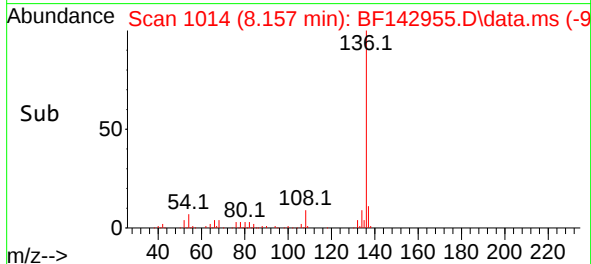
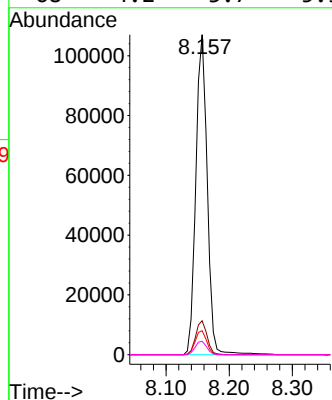
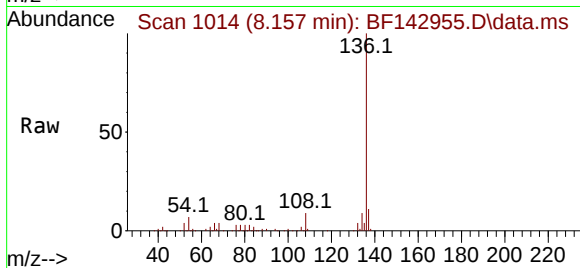


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion:136 Resp: 134037

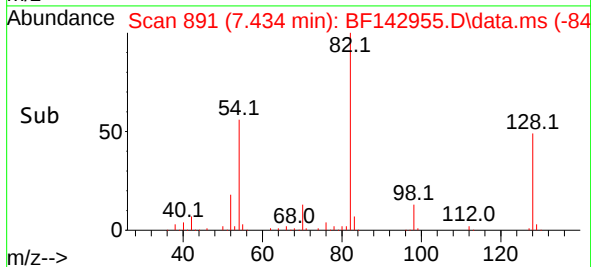
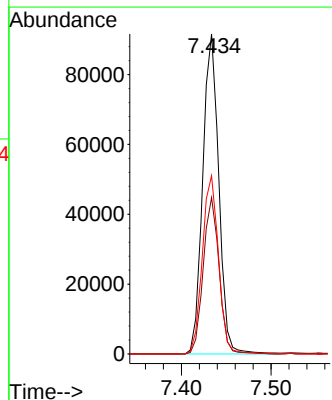
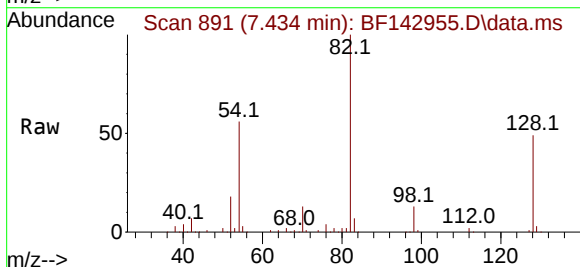
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.5	6.3	9.5
68	4.2	3.7	5.5



#23
Nitrobenzene-d5
Concen: 46.587 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion: 82 Resp: 113844

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.7	45.7	68.5

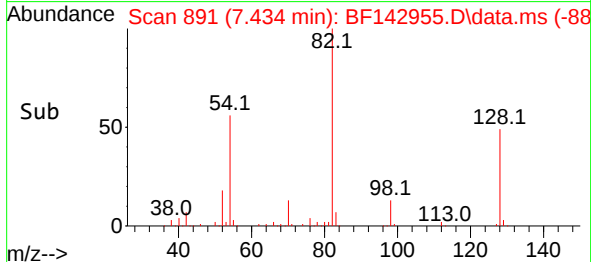
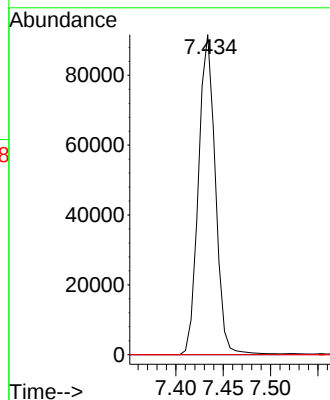
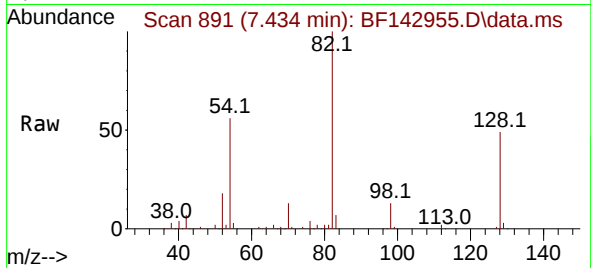




#25
Isophorone
Concen: 29.041 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

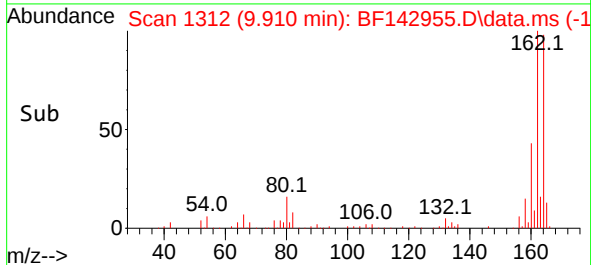
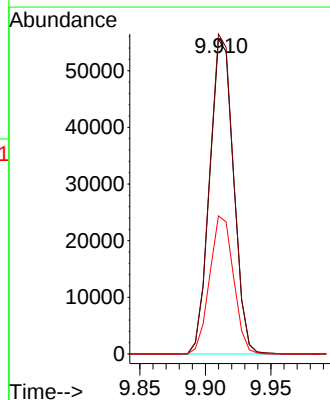
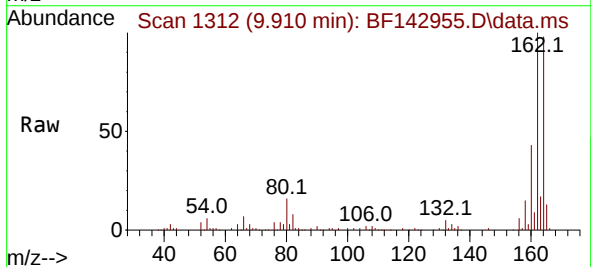
Instrument :
BNA_F
ClientSampleId :
TP-60

Tgt Ion: 82 Resp: 113842
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: BF142955.D
Acq: 01 Jul 2025 18:00

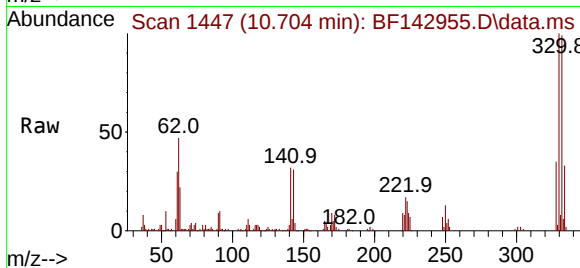
Tgt Ion:164 Resp: 70254
Ion Ratio Lower Upper
164 100
162 101.7 81.8 122.8
160 43.9 36.0 54.0



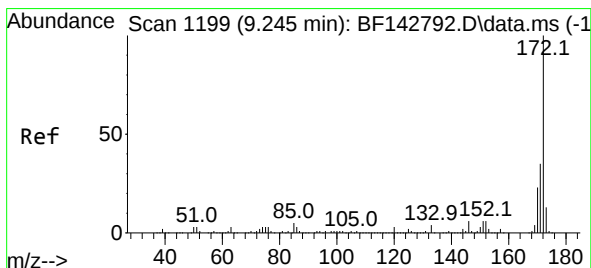
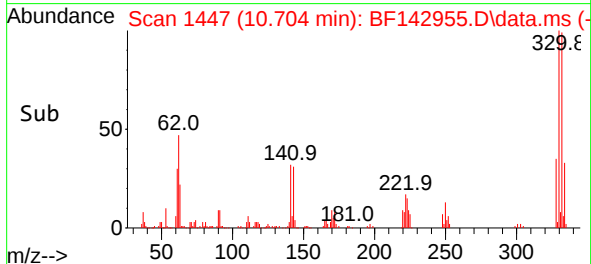
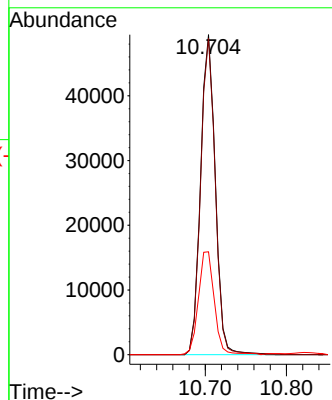


#42
2,4,6-Tribromophenol
Concen: 86.439 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Instrument :
BNA_F
ClientSampleId :
TP-60

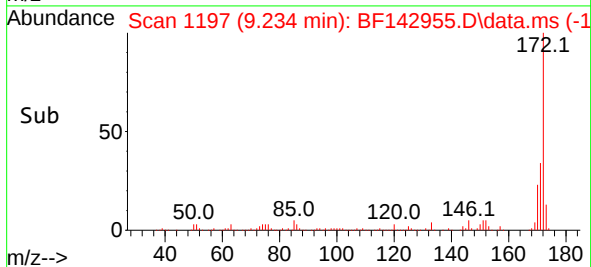
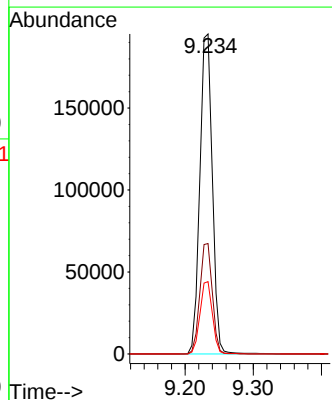
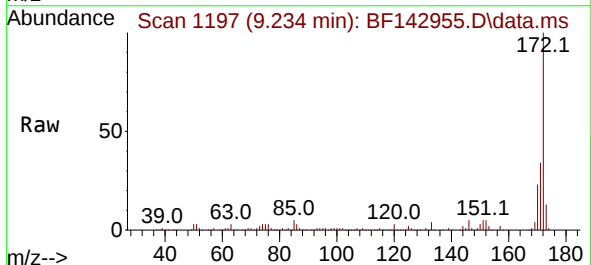


Tgt Ion: 330 Resp: 62492
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.6
141 34.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 46.549 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion: 172 Resp: 248940
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 22.6 18.5 27.7

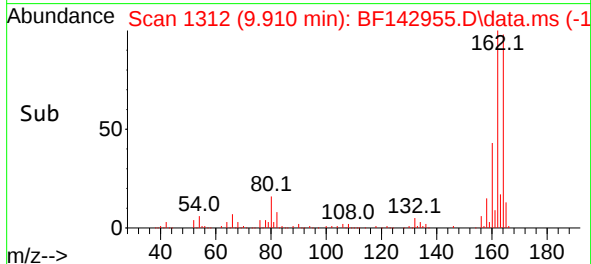
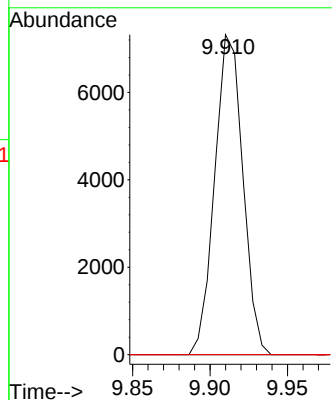
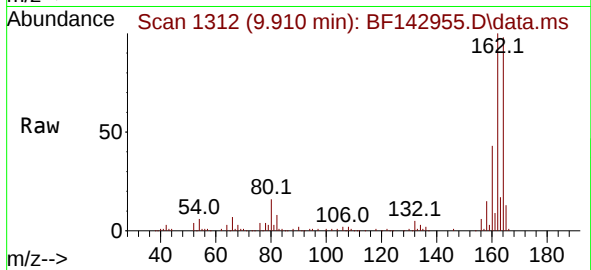




#51
2,6-Dinitrotoluene
Concen: 9.264 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

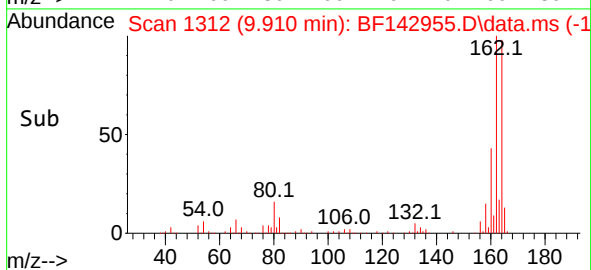
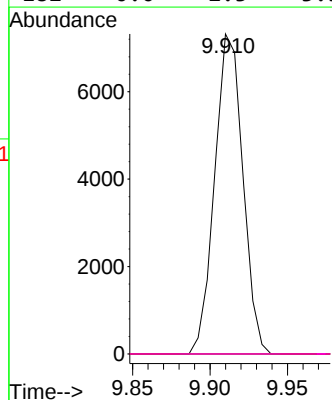
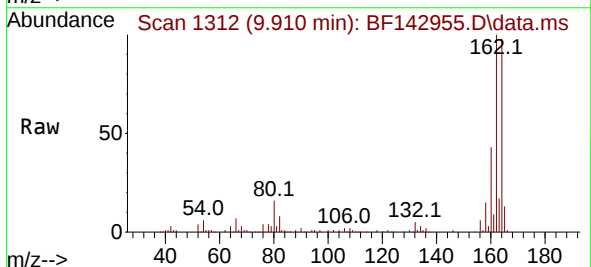
Instrument :
BNA_F
ClientSampleId :
TP-60

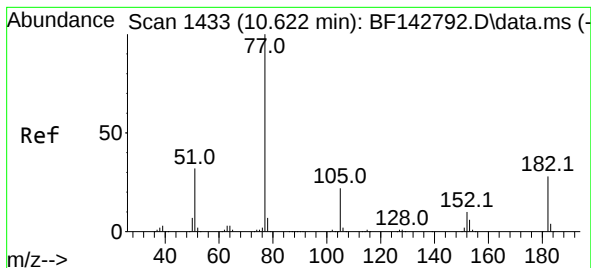
Tgt Ion:165 Resp: 9252
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.974 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:165 Resp: 9252
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: 3.699 ng

RT: 10.622 min Scan# 1433

Delta R.T. 0.000 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Instrument :

BNA_F

ClientSampleId :

TP-60

Tgt Ion: 77 Resp: 14740

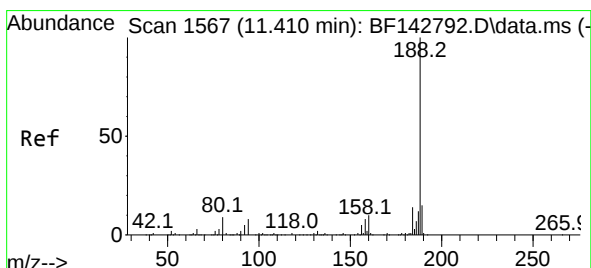
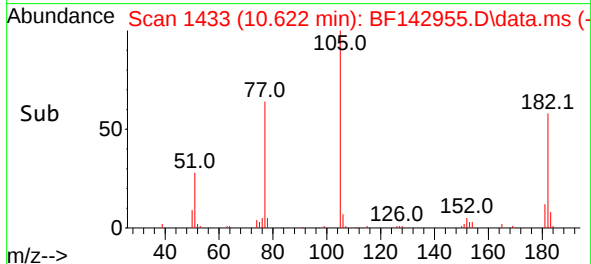
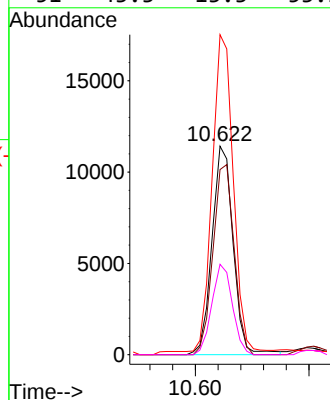
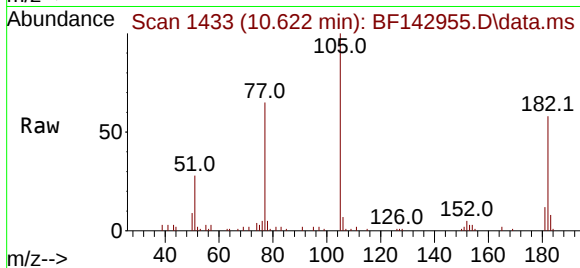
Ion Ratio Lower Upper

77 100

182 88.8 7.7 47.7#

105 153.4 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: BF142955.D

Acq: 01 Jul 2025 18:00

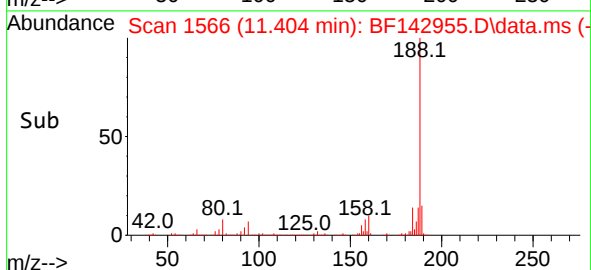
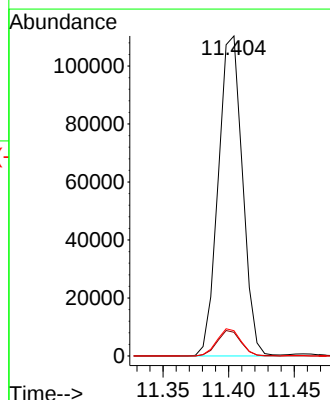
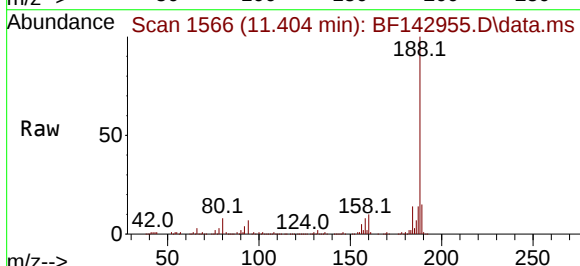
Tgt Ion: 188 Resp: 141628

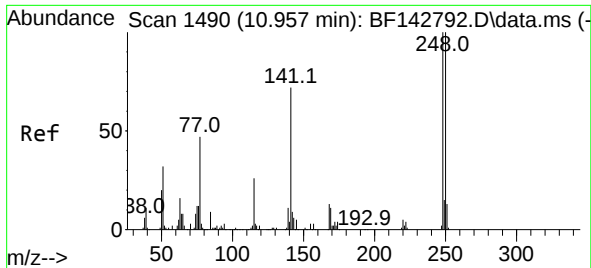
Ion Ratio Lower Upper

188 100

94 7.4 6.7 10.1

80 7.9 6.9 10.3

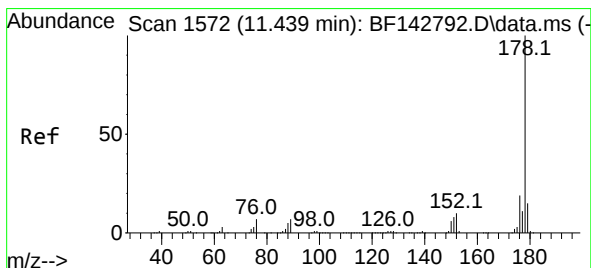
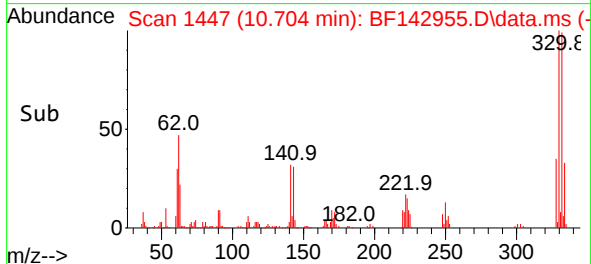
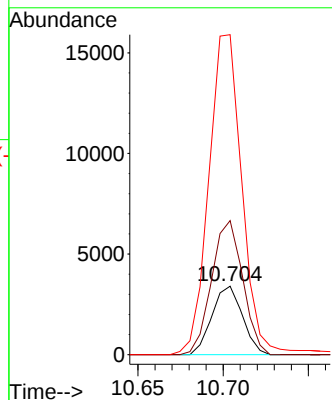
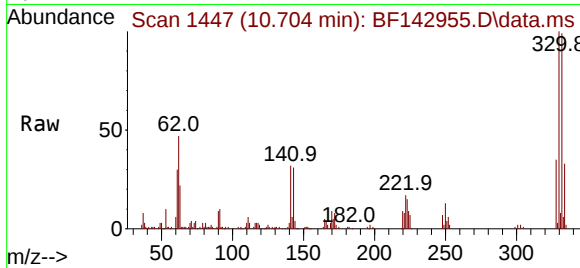




#67
4-Bromophenyl-phenylether
Concen: 2.626 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

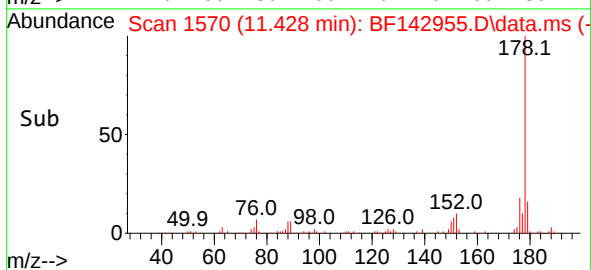
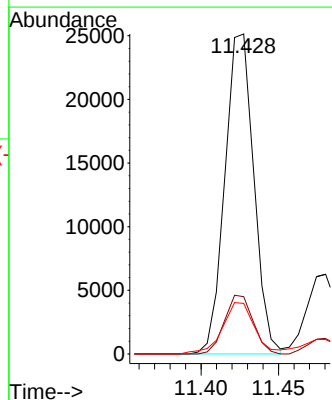
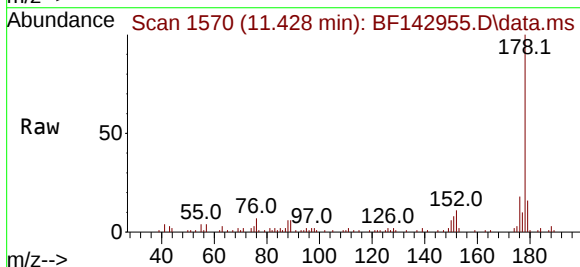
Instrument :
BNA_F
ClientSampleId :
TP-60

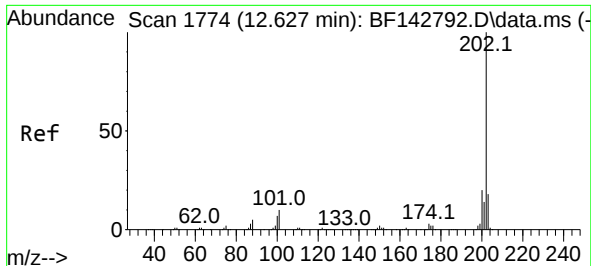
Tgt Ion:248 Resp: 4233
Ion Ratio Lower Upper
248 100
250 196.0 79.8 119.8#
141 467.6 57.8 86.6#



#71
Phenanthrene
Concen: 4.260 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:178 Resp: 32686
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 15.8 12.0 18.0

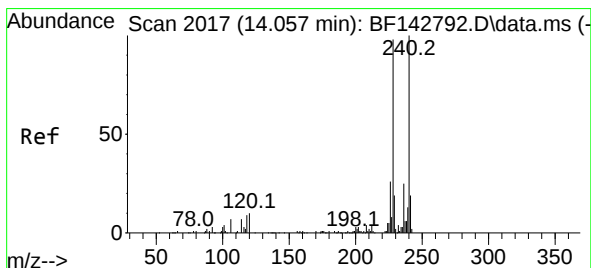
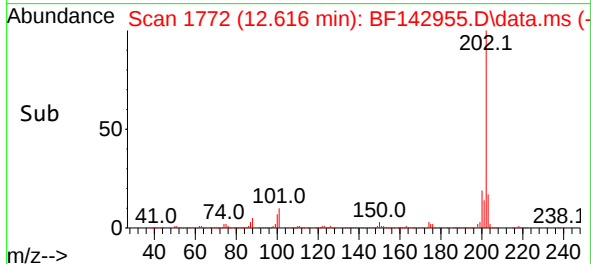
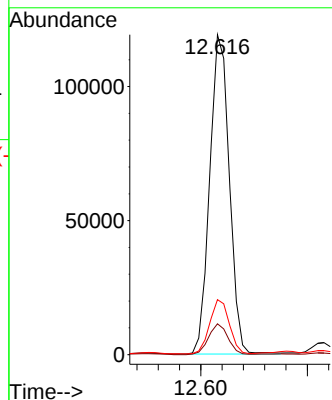
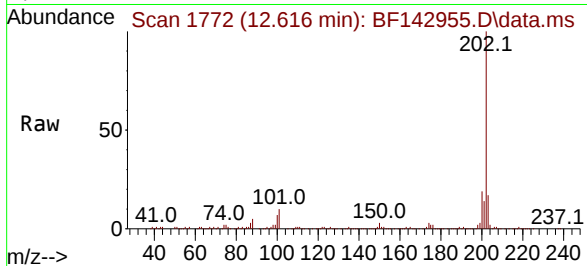




#75
Fluoranthene
Concen: 20.924 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

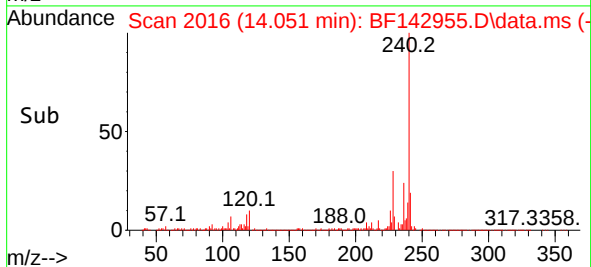
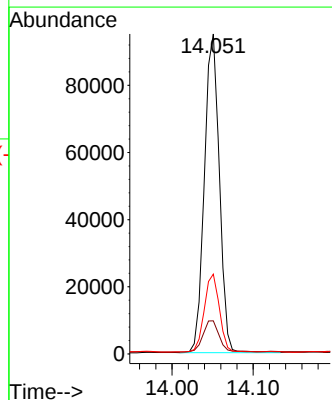
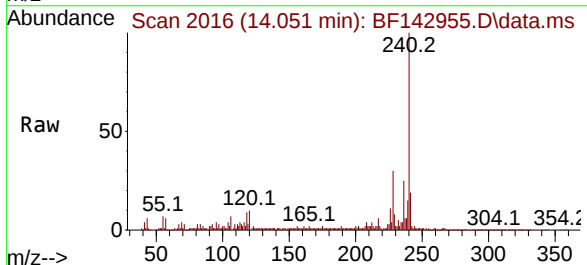
Instrument :
BNA_F
ClientSampleId :
TP-60

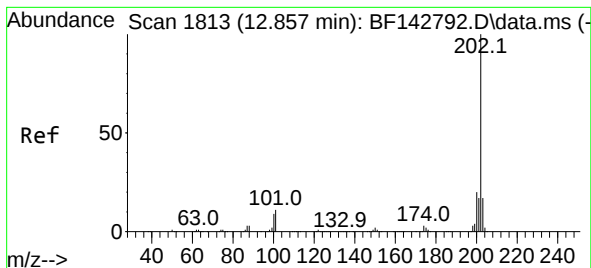
Tgt Ion:202 Resp: 152352
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:240 Resp: 121309
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 24.9 19.8 29.8





#78

Pyrene

Concen: 12.893 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Instrument :

BNA_F

ClientSampleId :

TP-60

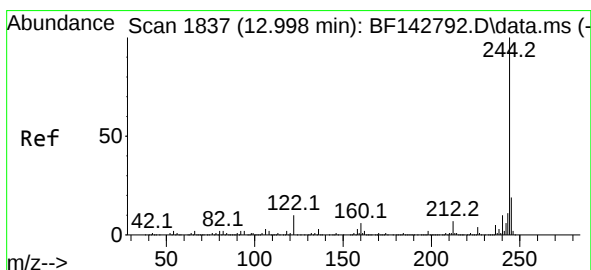
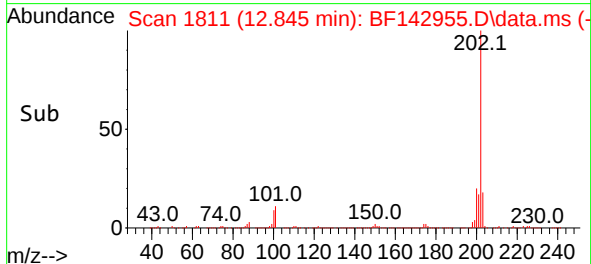
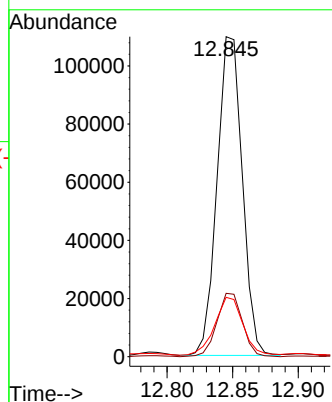
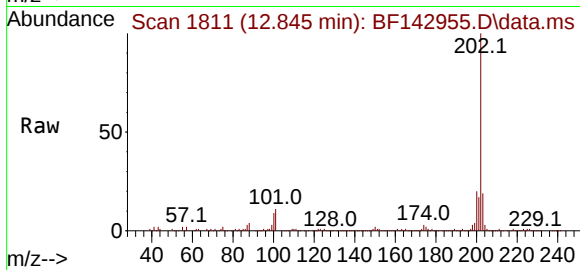
Tgt Ion:202 Resp: 146607

Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 18.6 13.8 20.6



#79

Terphenyl-d14

Concen: 40.337 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

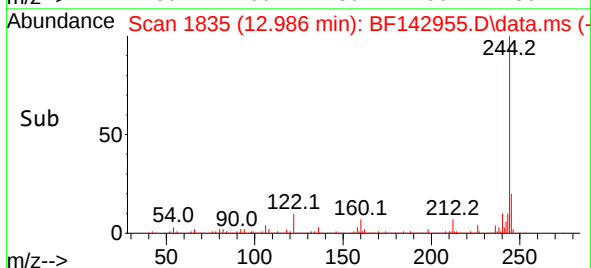
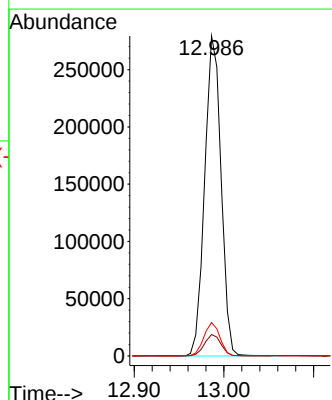
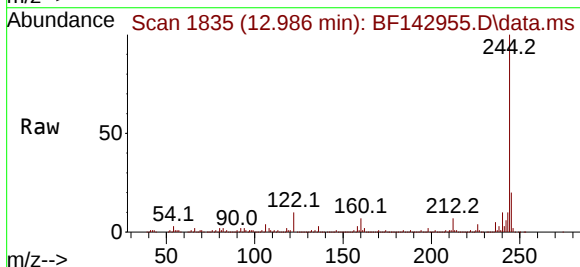
Tgt Ion:244 Resp: 354143

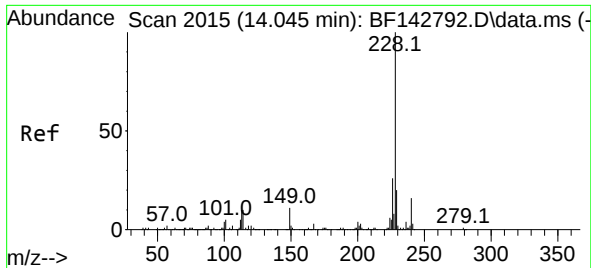
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.5 8.2 12.2

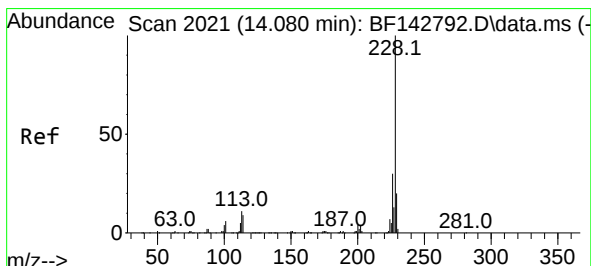
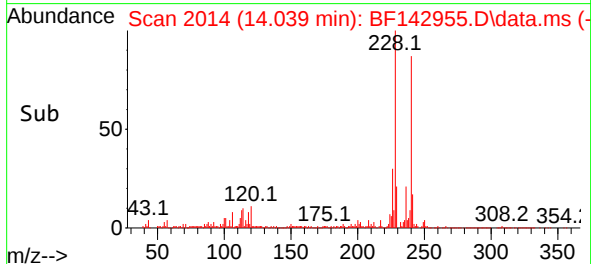
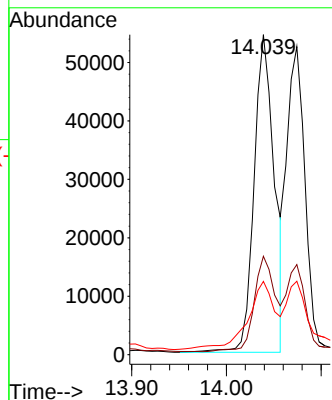
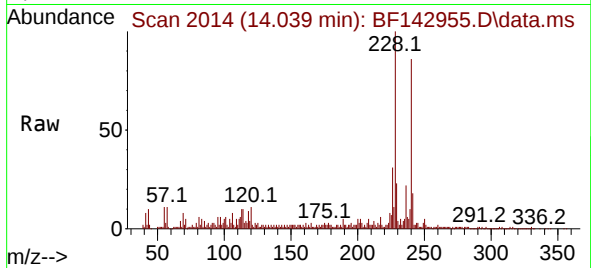




#81
Benzo(a)anthracene
Concen: 9.897 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

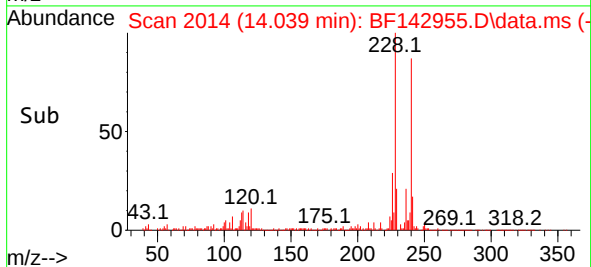
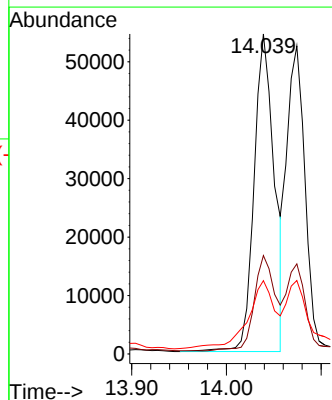
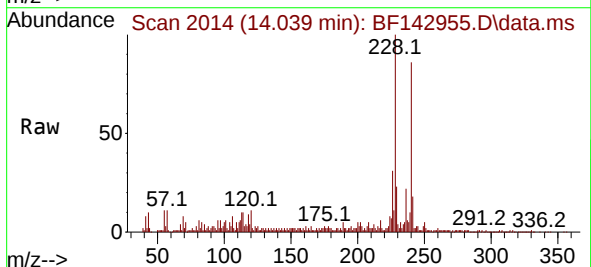
Instrument :
BNA_F
ClientSampleId :
TP-60

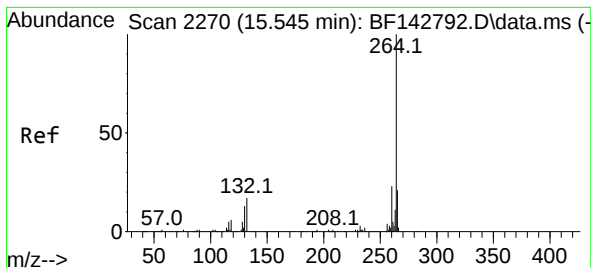
Tgt Ion:228 Resp: 80992
Ion Ratio Lower Upper
228 100
226 30.7 21.2 31.8
229 22.9 15.6 23.4



#83
Chrysene
Concen: 11.091 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.041 min
Lab File: BF142955.D
Acq: 01 Jul 2025 18:00

Tgt Ion:228 Resp: 80992
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 22.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Instrument :

BNA_F

ClientSampleId :

TP-60

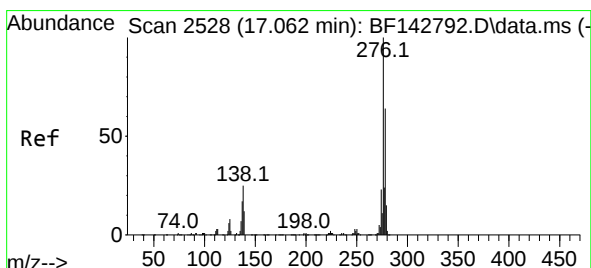
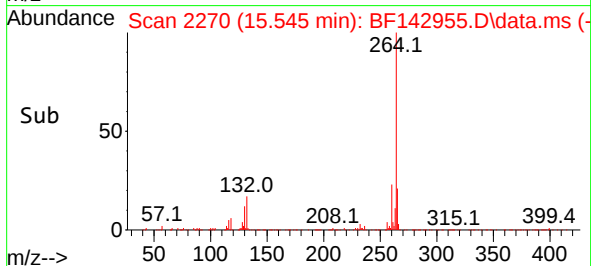
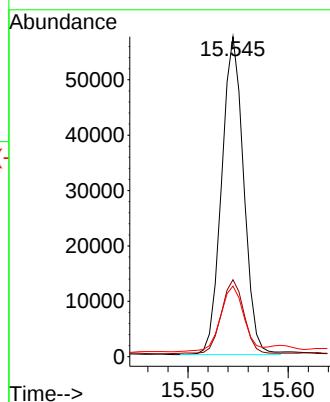
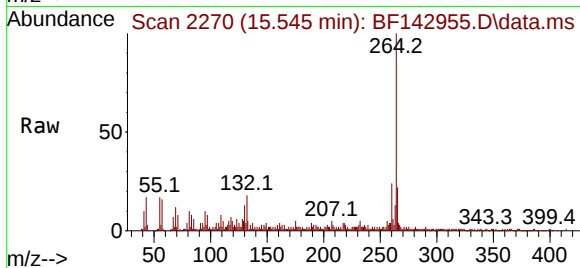
Tgt Ion:264 Resp: 87498

Ion Ratio Lower Upper

264 100

260 24.0 18.1 27.1

265 22.1 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.676 ng

RT: 17.057 min Scan# 2527

Delta R.T. -0.006 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

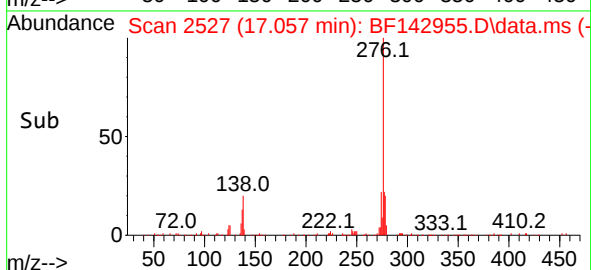
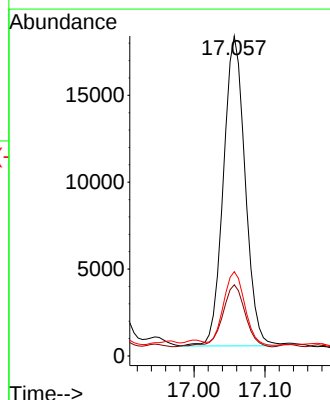
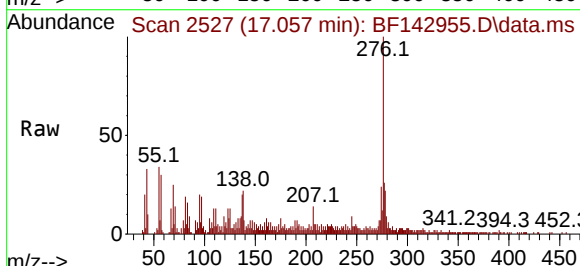
Tgt Ion:276 Resp: 37828

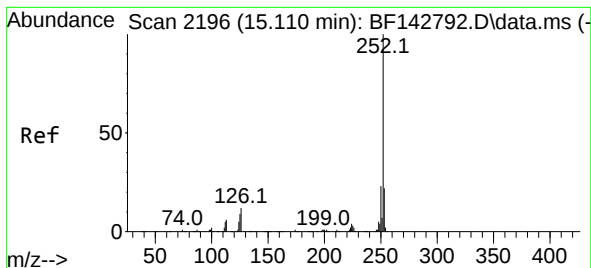
Ion Ratio Lower Upper

276 100

138 21.6 20.2 30.4

277 23.2 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 22.149 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Instrument :

BNA_F

ClientSampleId :

TP-60

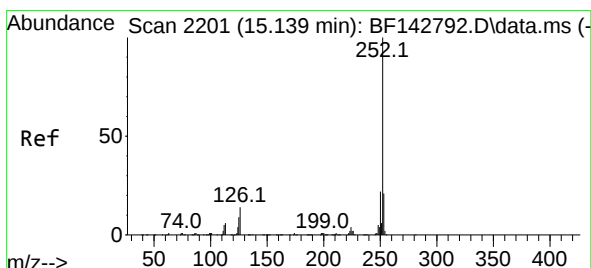
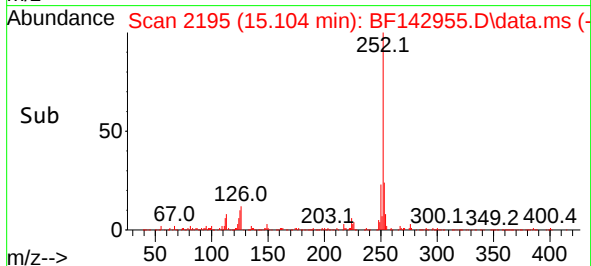
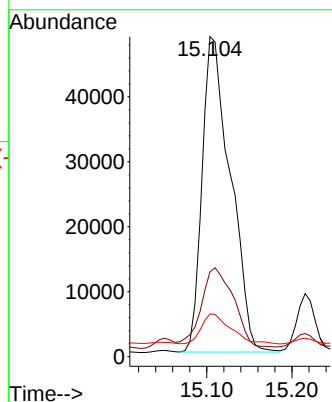
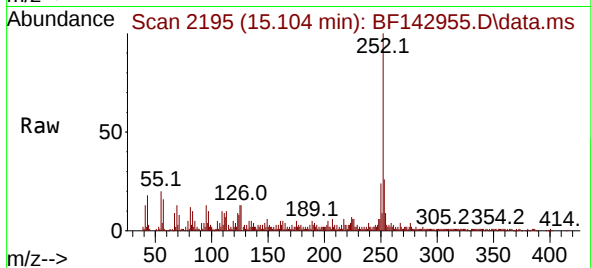
Tgt Ion:252 Resp: 112142

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 13.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 23.674 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

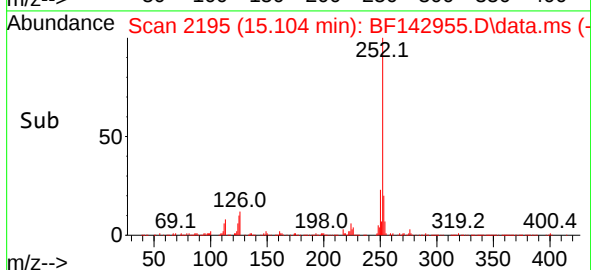
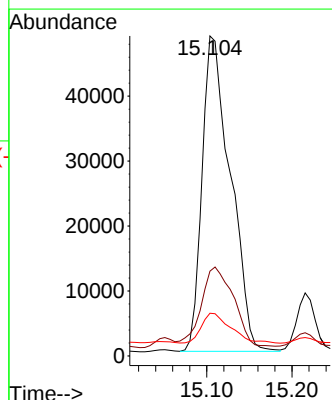
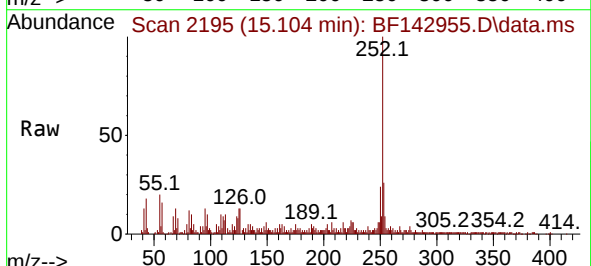
Tgt Ion:252 Resp: 112142

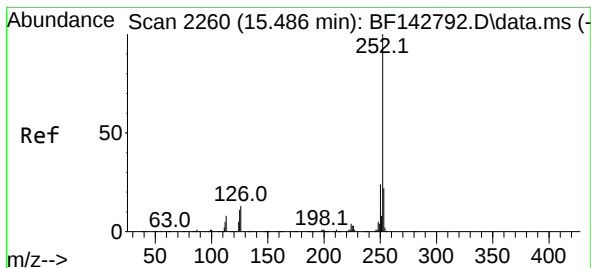
Ion Ratio Lower Upper

252 100

253 26.5 17.2 25.8#

125 13.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 11.134 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Instrument :

BNA_F

ClientSampleId :

TP-60

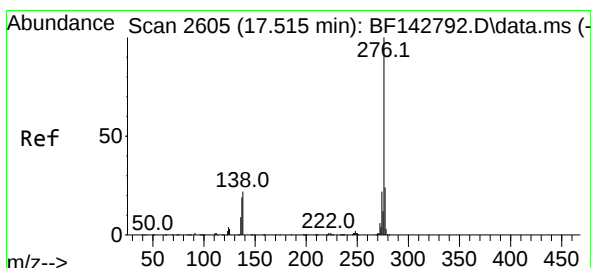
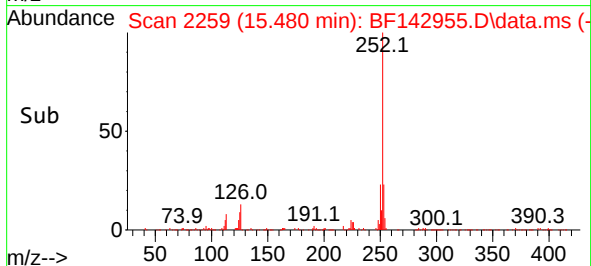
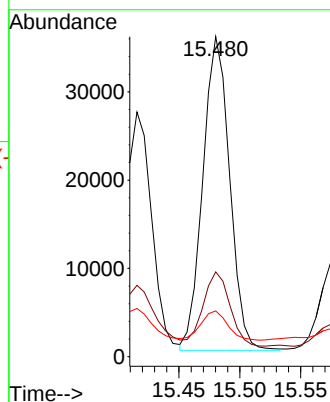
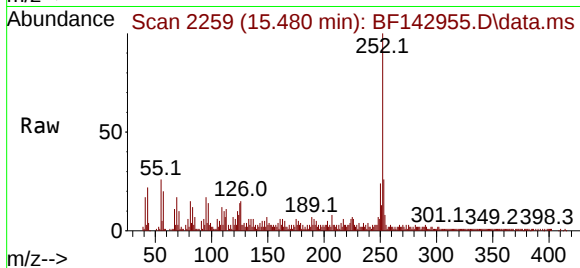
Tgt Ion:252 Resp: 54461

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 14.3 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 7.498 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142955.D

Acq: 01 Jul 2025 18:00

Tgt Ion:276 Resp: 40486

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 21.4 17.6 26.4

