

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142959.D
 Acq On : 01 Jul 2025 20:03
 Operator : RC/JU
 Sample : Q2458-08 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-63

Quant Time: Jul 02 01:04:04 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)

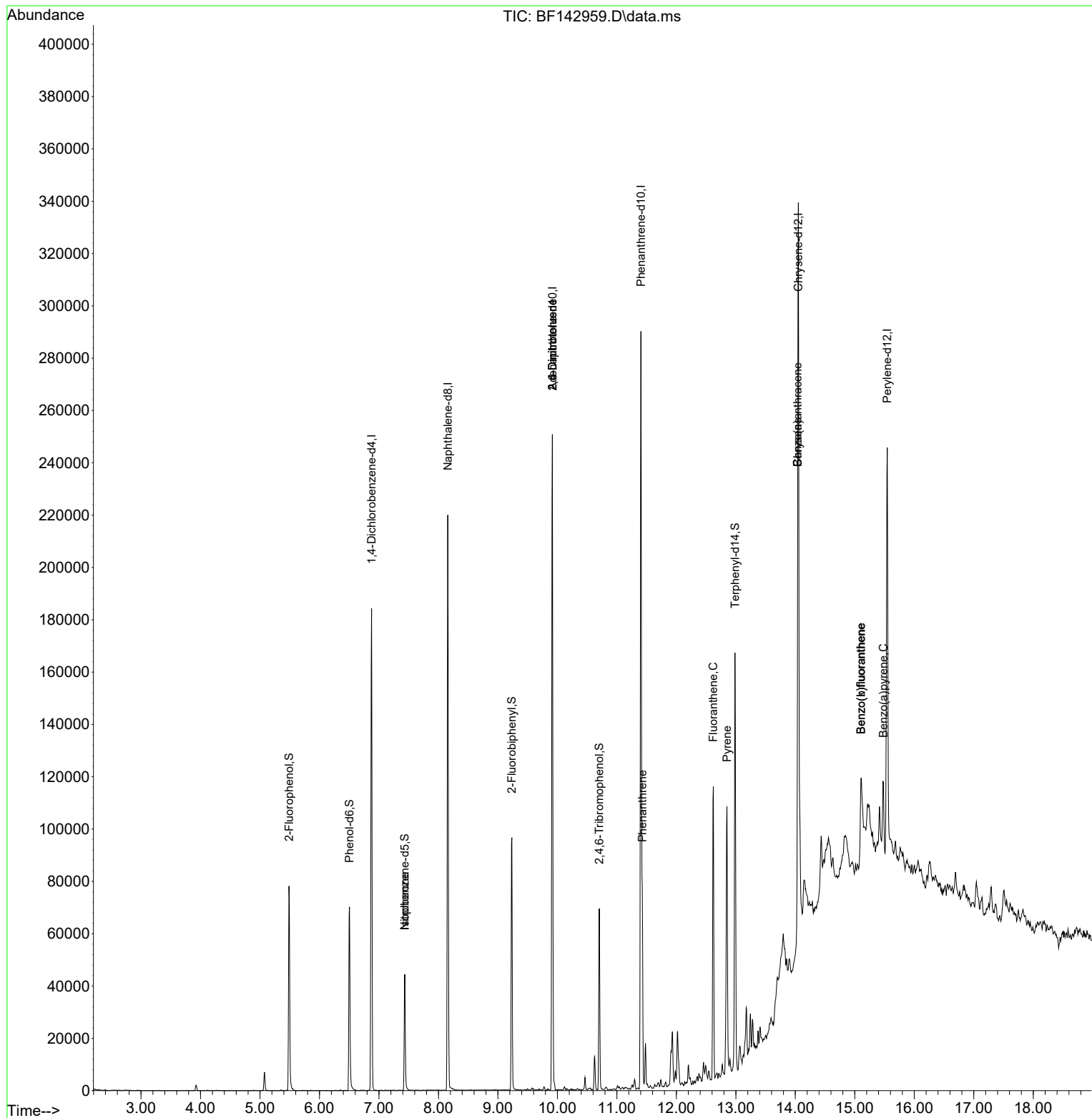
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	41136	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	141903	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	76687	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	148921	20.000	ng	0.00
76) Chrysene-d12	14.051	240	123268	20.000	ng	0.00
86) Perylene-d12	15.545	264	90968	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	33820	13.688	ng	0.00
7) Phenol-d6	6.504	99	36542	12.536	ng	0.00
23) Nitrobenzene-d5	7.434	82	19819	7.661	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	12116	15.353	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	46686	7.997	ng	-0.01
79) Terphenyl-d14	12.986	244	72912	8.173	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	19819	4.776	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	9639	8.842	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	9639	6.657	ng	# 26
71) Phenanthrene	11.427	178	40421	5.011	ng	99
75) Fluoranthene	12.621	202	65925	8.611	ng	99
78) Pyrene	12.851	202	61465	5.320	ng	98
81) Benzo(a)anthracene	14.039	228	25650	3.085	ng	95
83) Chrysene	14.039	228	25650	3.457	ng	97
88) Benzo(b)fluoranthene	15.104	252	23581	4.480	ng	# 87
89) Benzo(k)fluoranthene	15.104	252	23581	4.788	ng	# 86
90) Benzo(a)pyrene	15.480	252	14025	2.758	ng	# 90

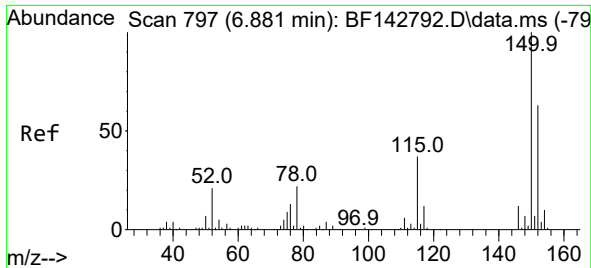
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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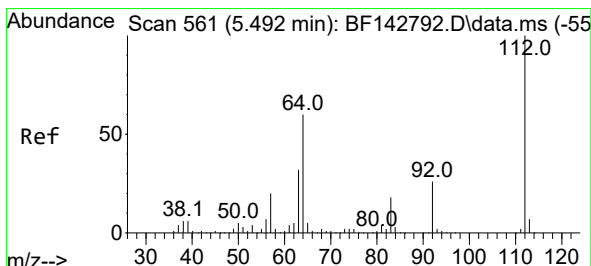
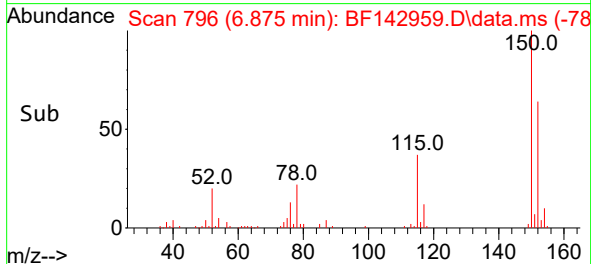
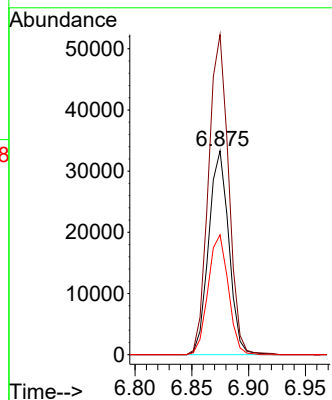
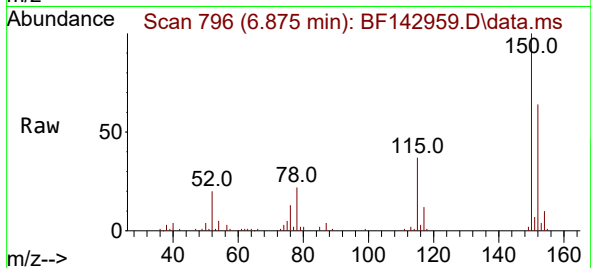




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142959.D
 Acq: 01 Jul 2025 20:03

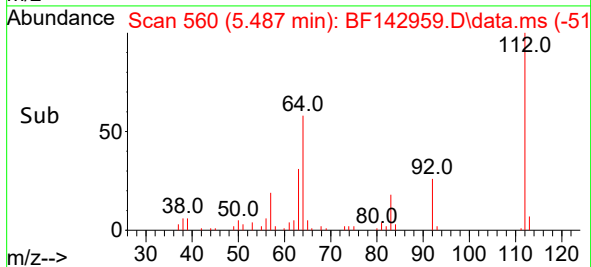
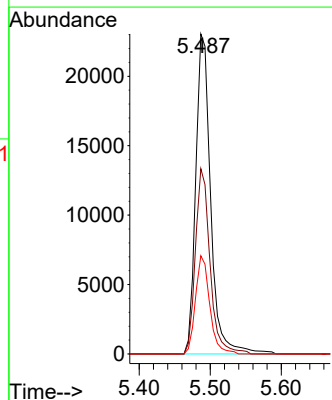
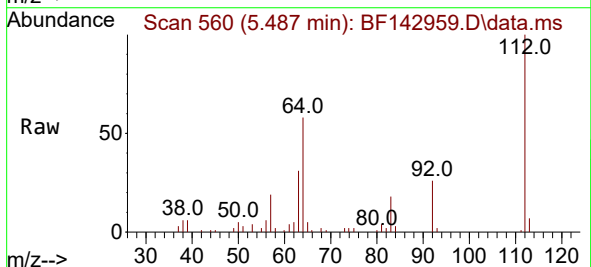
Instrument :
 BNA_F
 ClientSampleId :
 TP-63

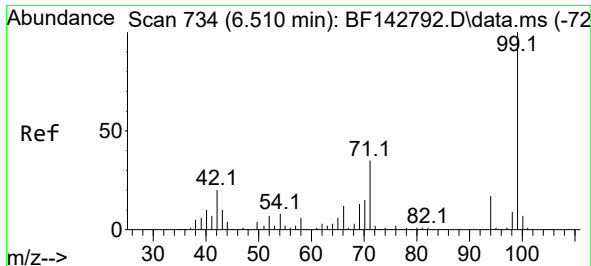
Tgt Ion:152 Resp: 41136
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.2 190.8
 115 58.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 13.688 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142959.D
 Acq: 01 Jul 2025 20:03

Tgt Ion:112 Resp: 33820
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.2 72.2
 63 30.7 25.7 38.5

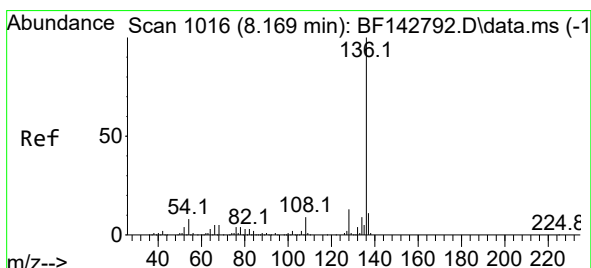
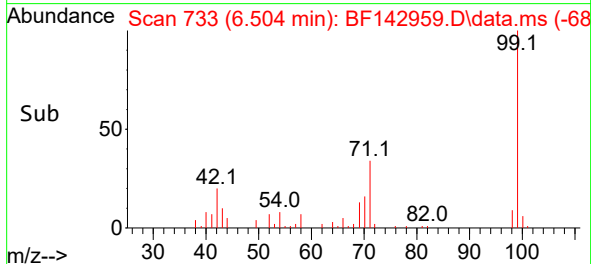
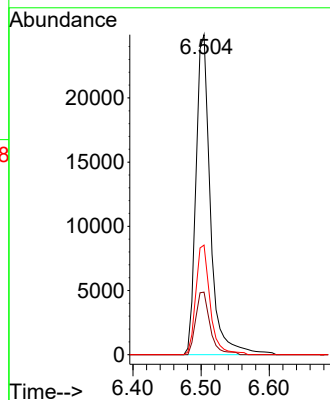
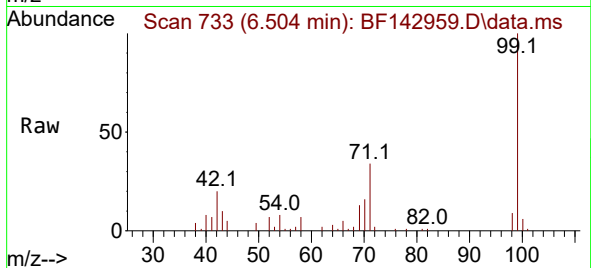




#7
Phenol-d6
Concen: 12.536 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

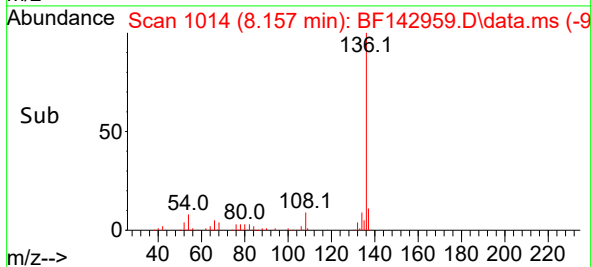
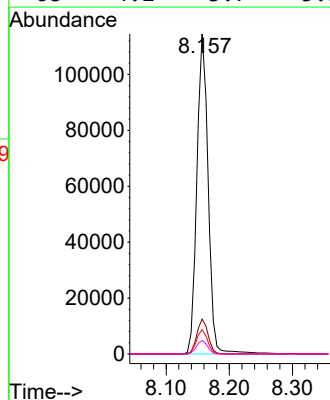
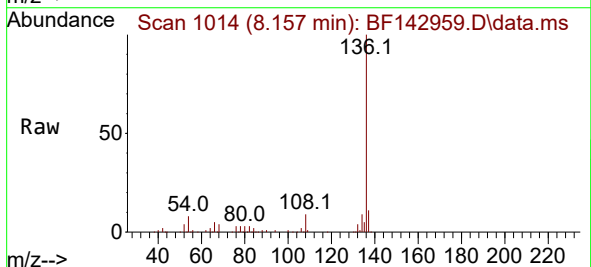
Instrument :
BNA_F
ClientSampleId :
TP-63

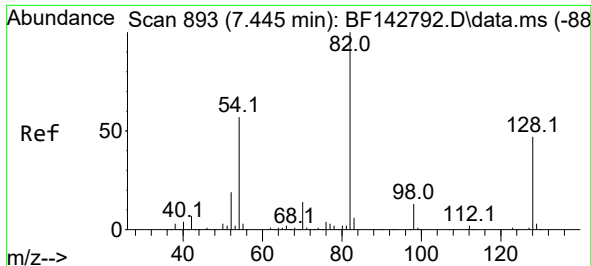
Tgt Ion: 99 Resp: 36542
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 34.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion: 136 Resp: 141903
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.6 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.661 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63

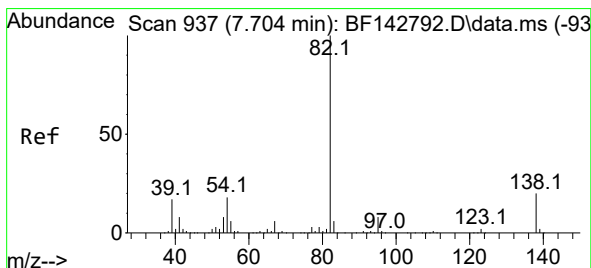
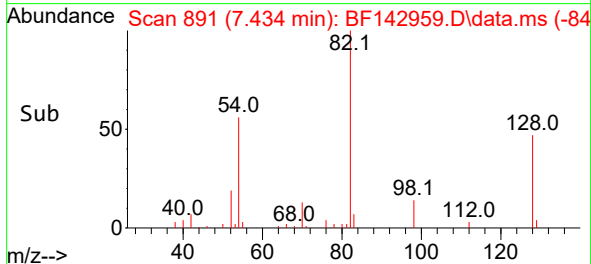
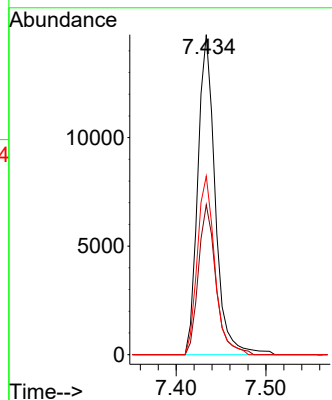
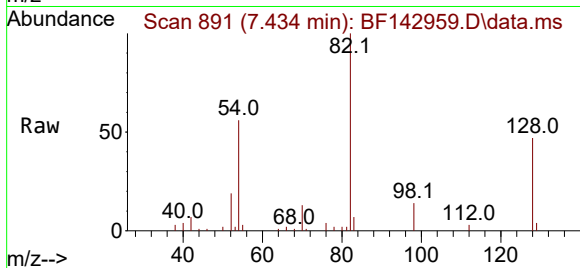
Tgt Ion: 82 Resp: 19819

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

54 55.8 45.7 68.5



#25

Isophorone

Concen: 4.776 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.271 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

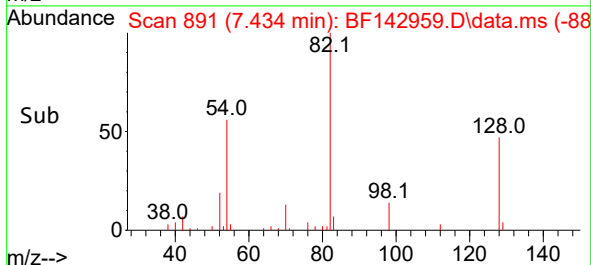
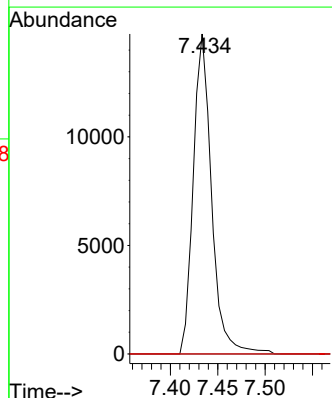
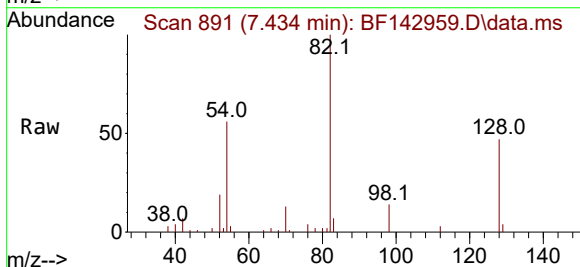
Tgt Ion: 82 Resp: 19819

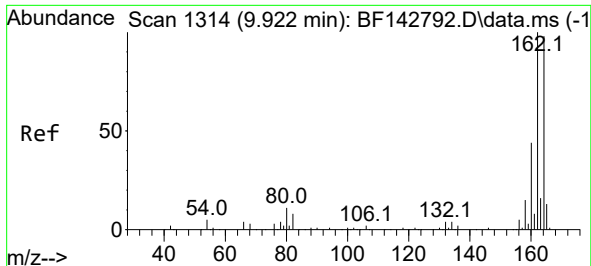
Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 16.2 24.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63

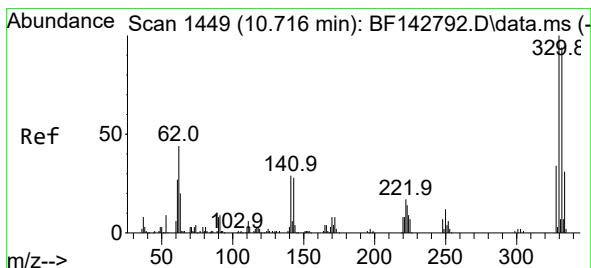
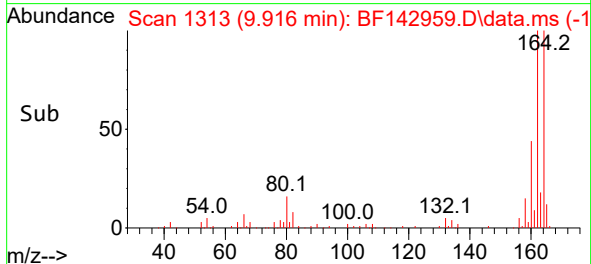
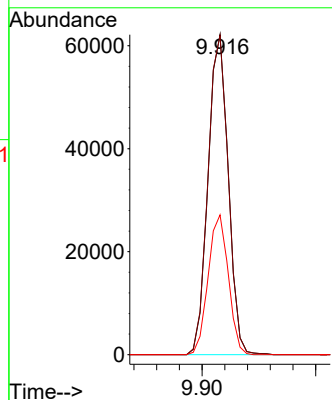
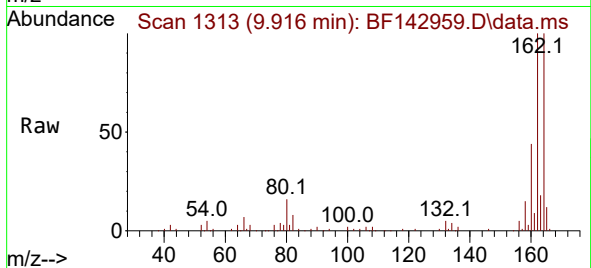
Tgt Ion:164 Resp: 76687

Ion Ratio Lower Upper

164 100

162 99.8 81.8 122.8

160 43.7 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 15.353 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

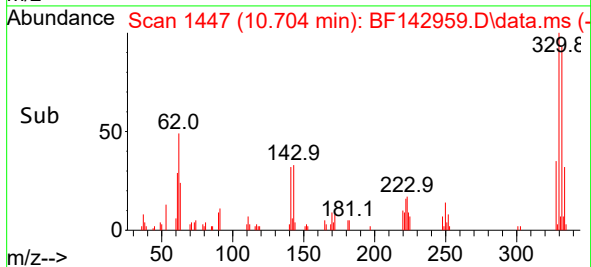
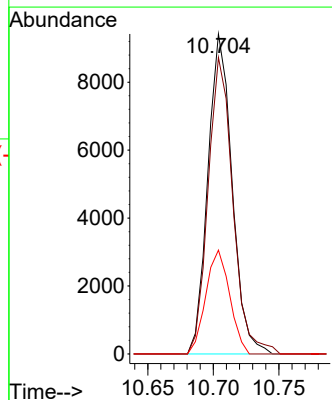
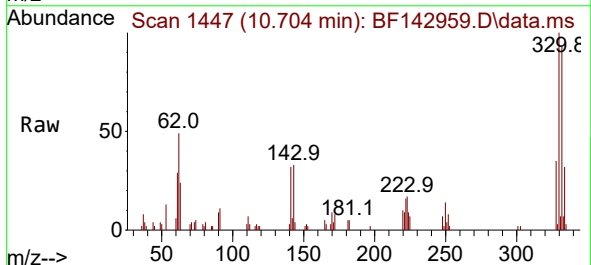
Tgt Ion:330 Resp: 12116

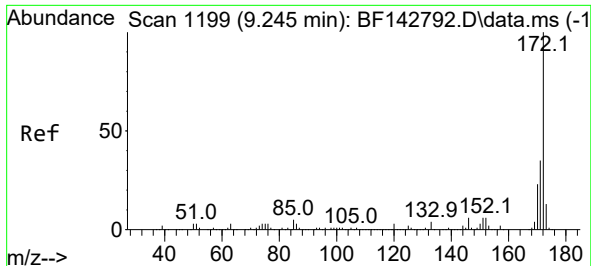
Ion Ratio Lower Upper

330 100

332 94.3 75.0 112.6

141 32.0 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 7.997 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63

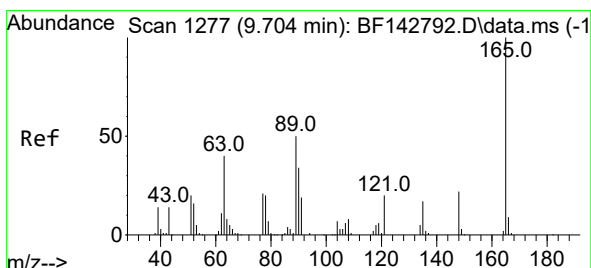
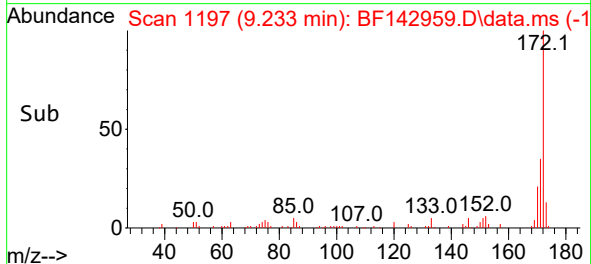
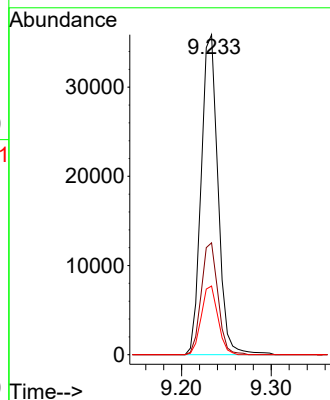
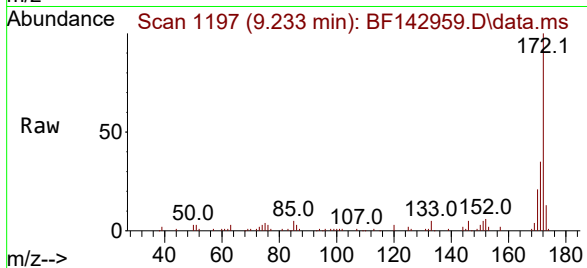
Tgt Ion:172 Resp: 46686

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 21.4 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.842 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

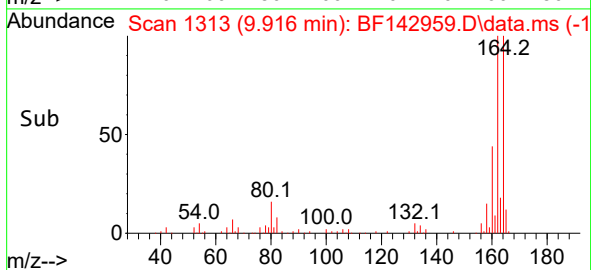
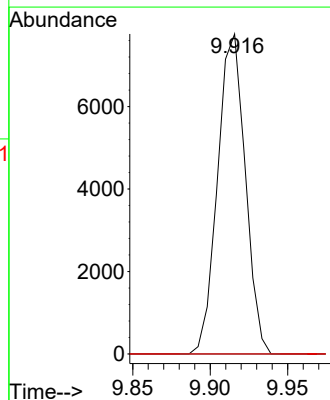
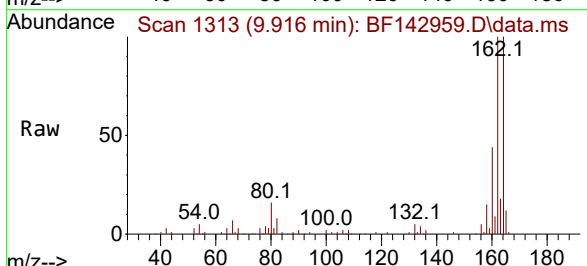
Tgt Ion:165 Resp: 9639

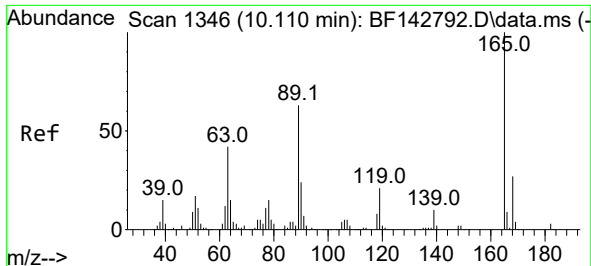
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

89 0.0 39.8 59.8#

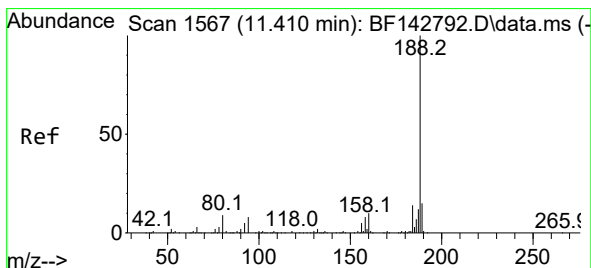
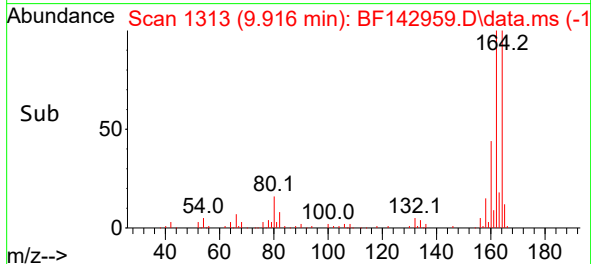
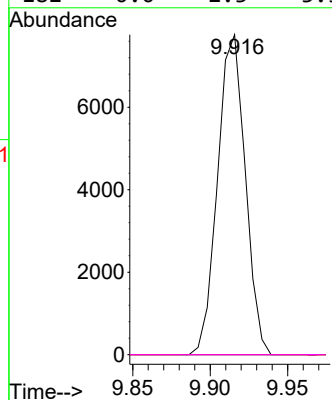
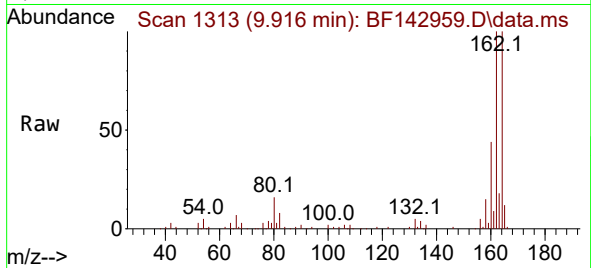




#57
2,4-Dinitrotoluene
Concen: 6.657 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

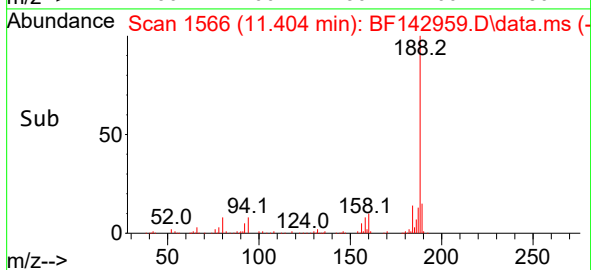
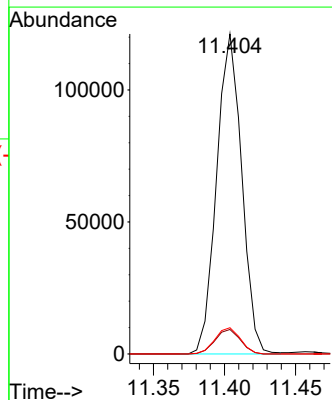
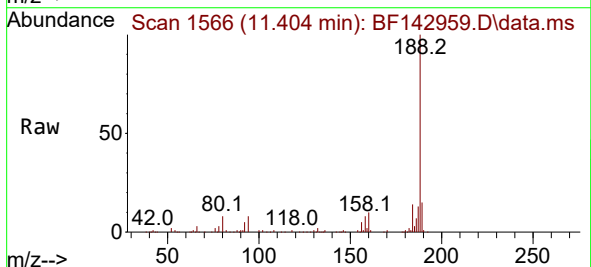
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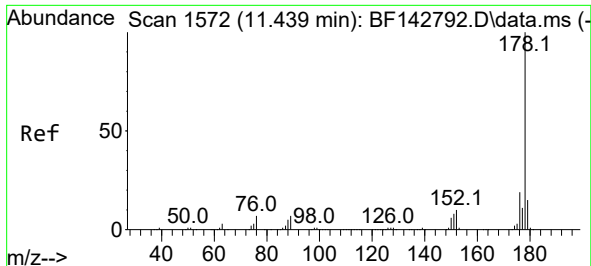
Tgt Ion:165 Resp: 9639
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:188 Resp: 148921
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.2 6.9 10.3

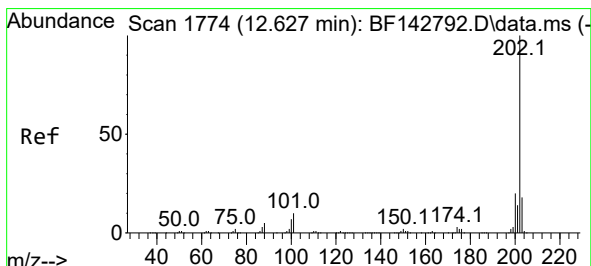
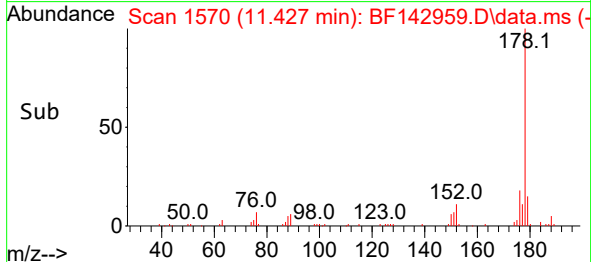
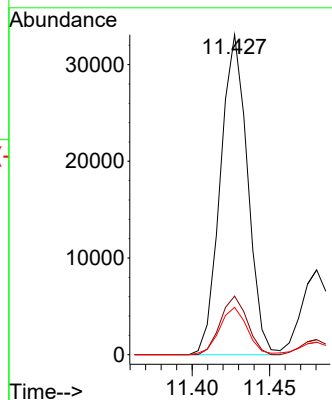
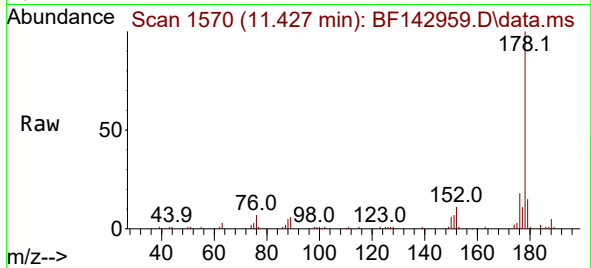




#71
Phenanthrene
Concen: 5.011 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

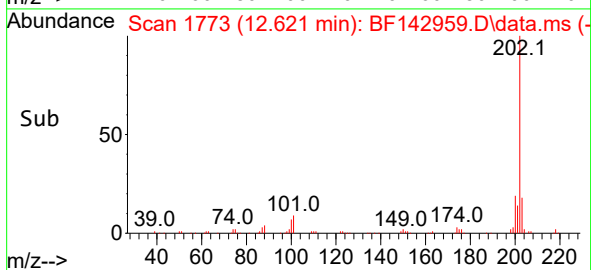
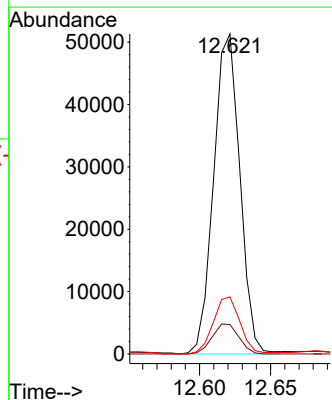
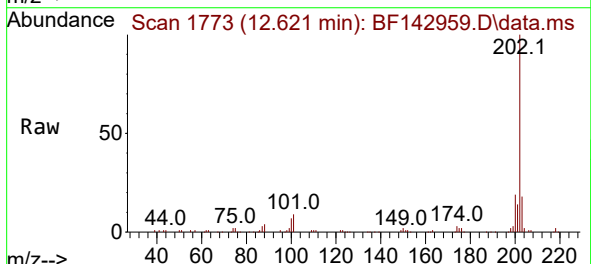
Instrument :
BNA_F
ClientSampleId :
TP-63

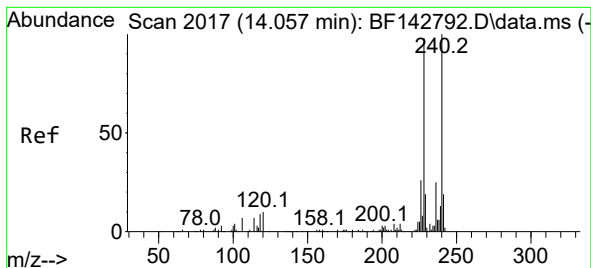
Tgt Ion:178 Resp: 40421
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 14.8 12.0 18.0



#75
Fluoranthene
Concen: 8.611 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:202 Resp: 65925
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63

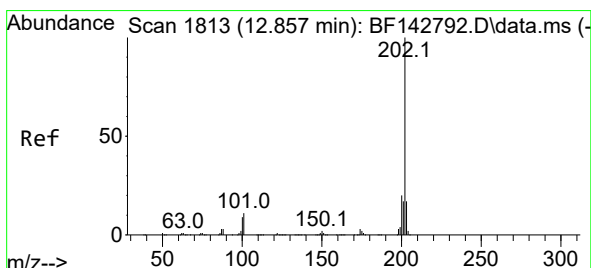
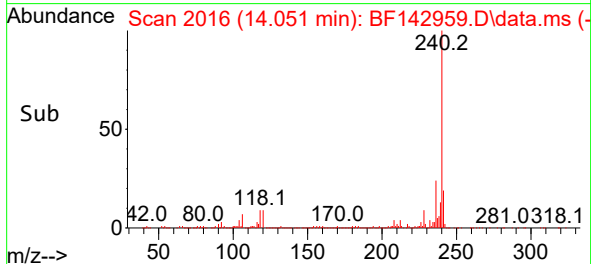
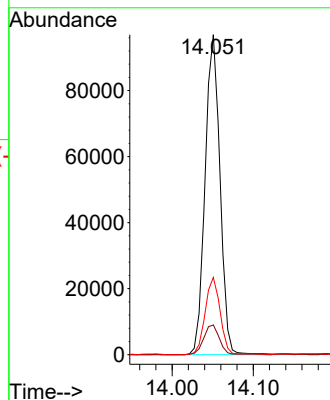
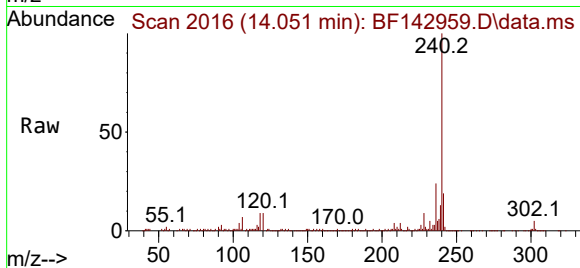
Tgt Ion:240 Resp: 123268

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

236 24.2 19.8 29.8



#78

Pyrene

Concen: 5.320 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

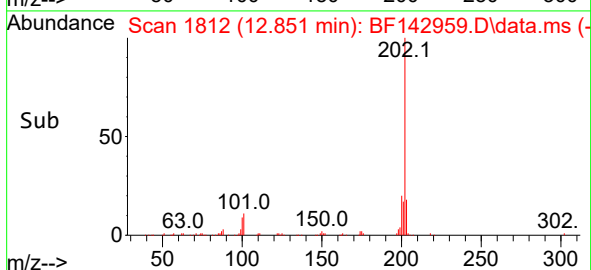
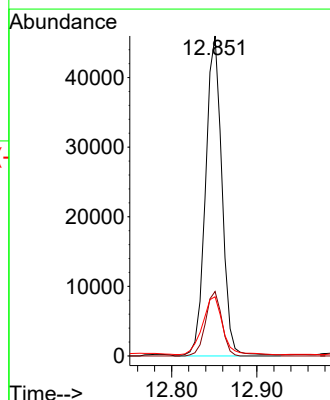
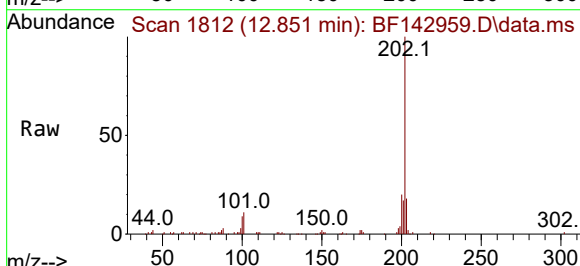
Tgt Ion:202 Resp: 61465

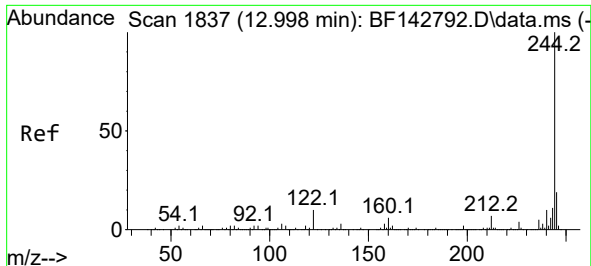
Ion Ratio Lower Upper

202 100

200 20.1 15.7 23.5

203 18.5 13.8 20.6

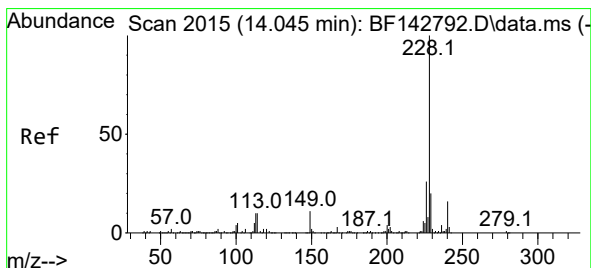
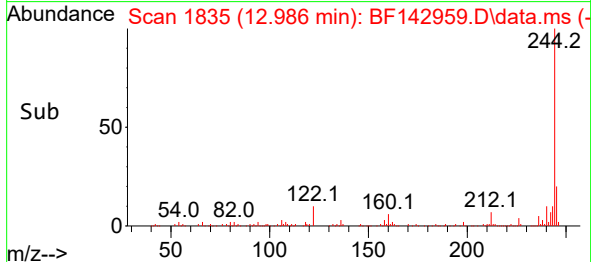
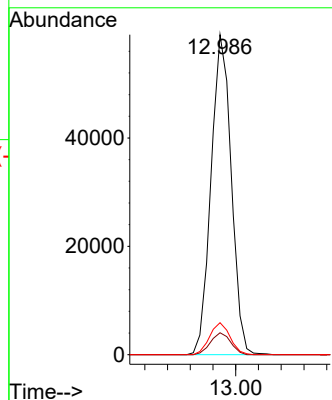
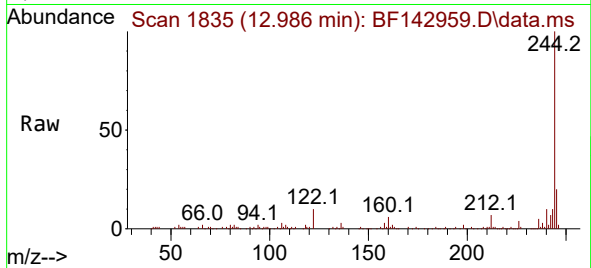




#79
 Terphenyl-d14
 Concen: 8.173 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142959.D
 Acq: 01 Jul 2025 20:03

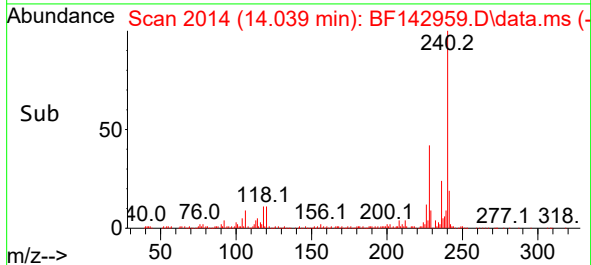
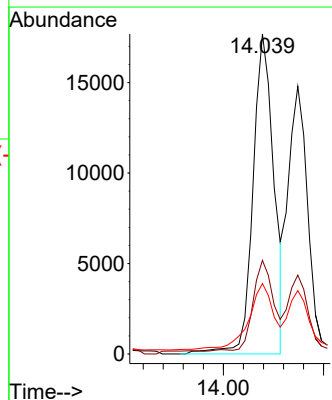
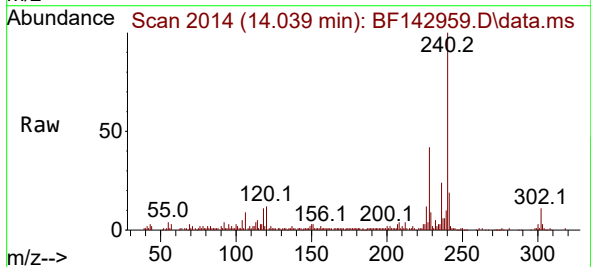
Instrument :
 BNA_F
 ClientSampleId :
 TP-63

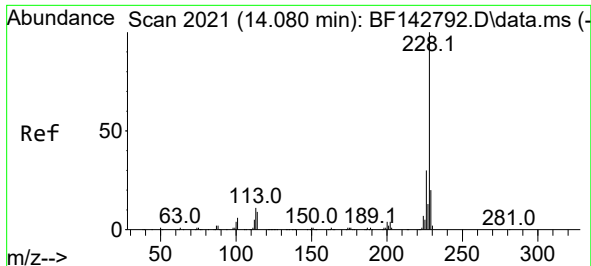
Tgt Ion:244 Resp: 72912
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.0 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 3.085 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142959.D
 Acq: 01 Jul 2025 20:03

Tgt Ion:228 Resp: 25650
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.2 31.8
 229 22.0 15.6 23.4

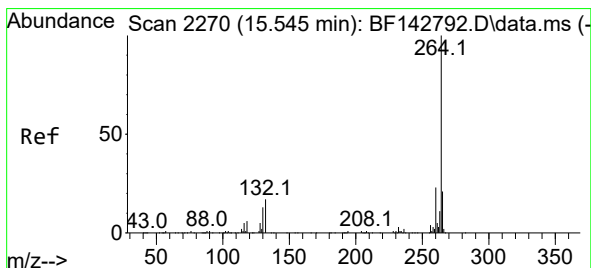
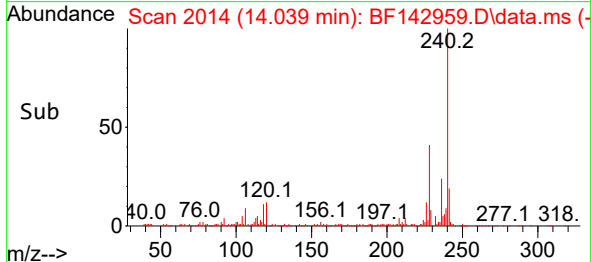
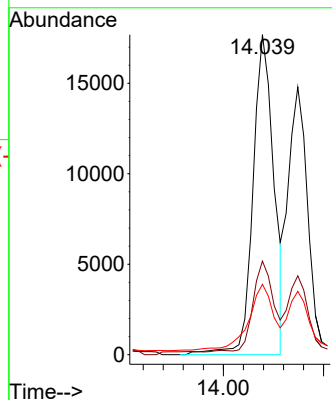
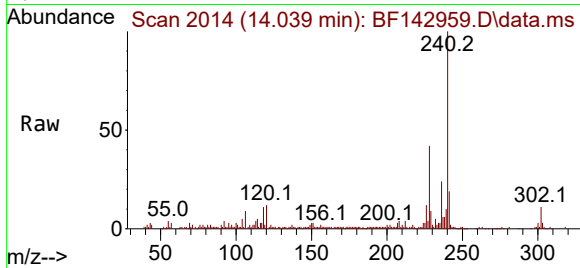




#83
Chrysene
Concen: 3.457 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.041 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

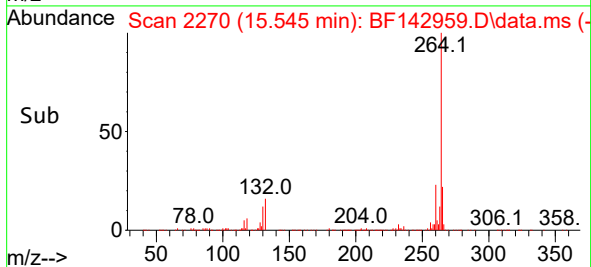
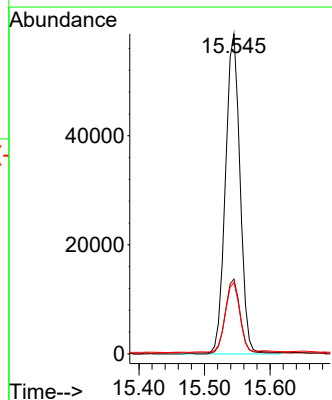
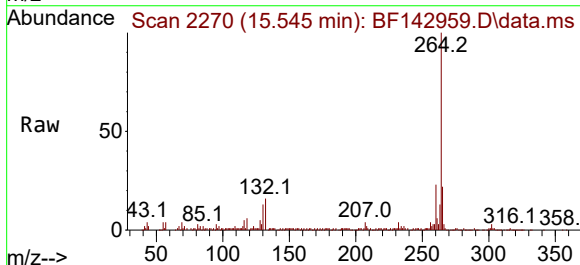
Instrument :
BNA_F
ClientSampleId :
TP-63

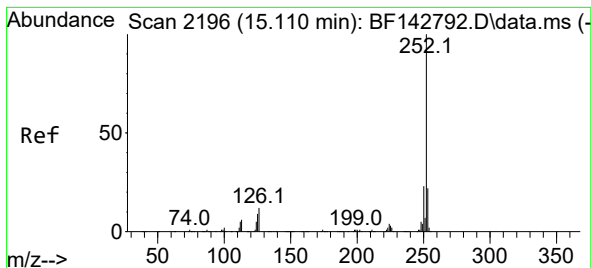
Tgt Ion:228 Resp: 25650
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 22.0 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142959.D
Acq: 01 Jul 2025 20:03

Tgt Ion:264 Resp: 90968
Ion Ratio Lower Upper
264 100
260 23.4 18.1 27.1
265 22.3 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.480 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63

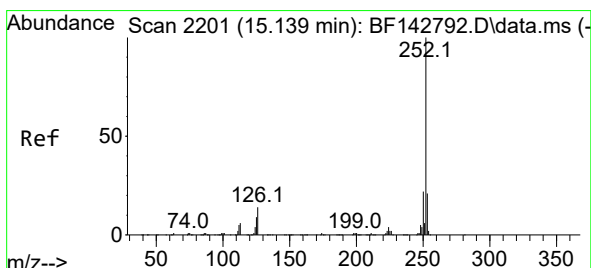
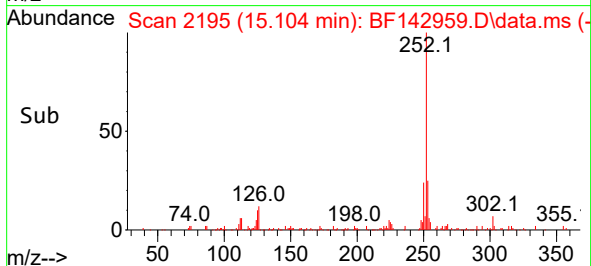
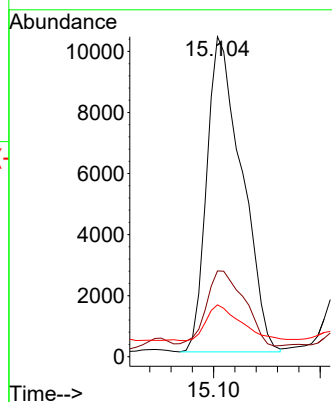
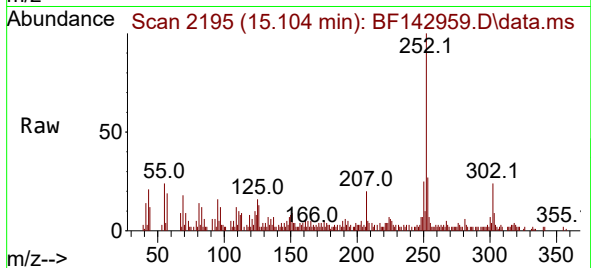
Tgt Ion:252 Resp: 23581

Ion Ratio Lower Upper

252 100

253 26.8 17.5 26.3#

125 16.2 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 4.788 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142959.D

Acq: 01 Jul 2025 20:03

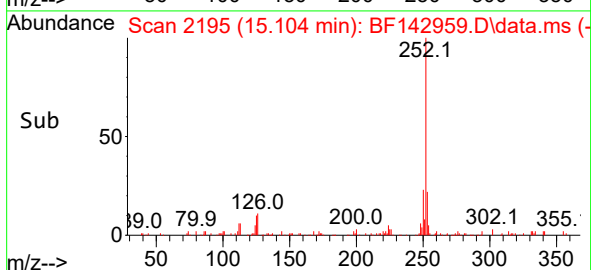
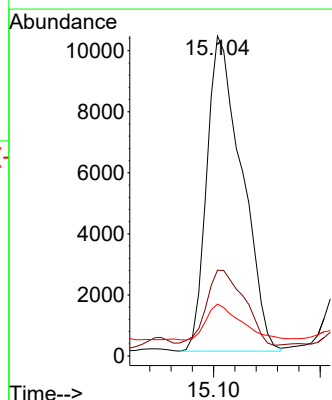
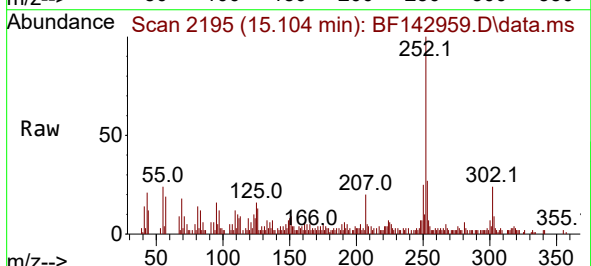
Tgt Ion:252 Resp: 23581

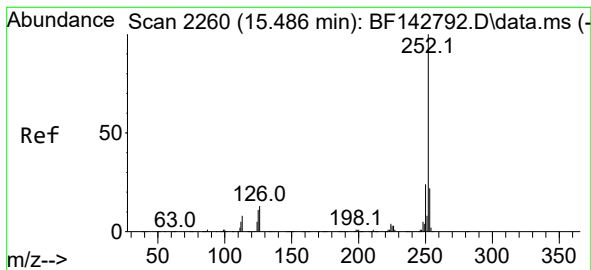
Ion Ratio Lower Upper

252 100

253 26.8 17.2 25.8#

125 16.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.758 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142959.D

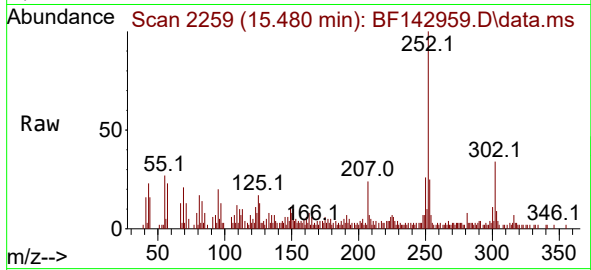
Acq: 01 Jul 2025 20:03

Instrument :

BNA_F

ClientSampleId :

TP-63



Tgt Ion:252 Resp: 14025

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 16.7 8.6 12.8#

