

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143573.D
 Acq On : 22 Aug 2025 15:25
 Operator : RC/JU
 Sample : Q2903-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-18B-081925

Quant Time: Aug 22 15:50:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

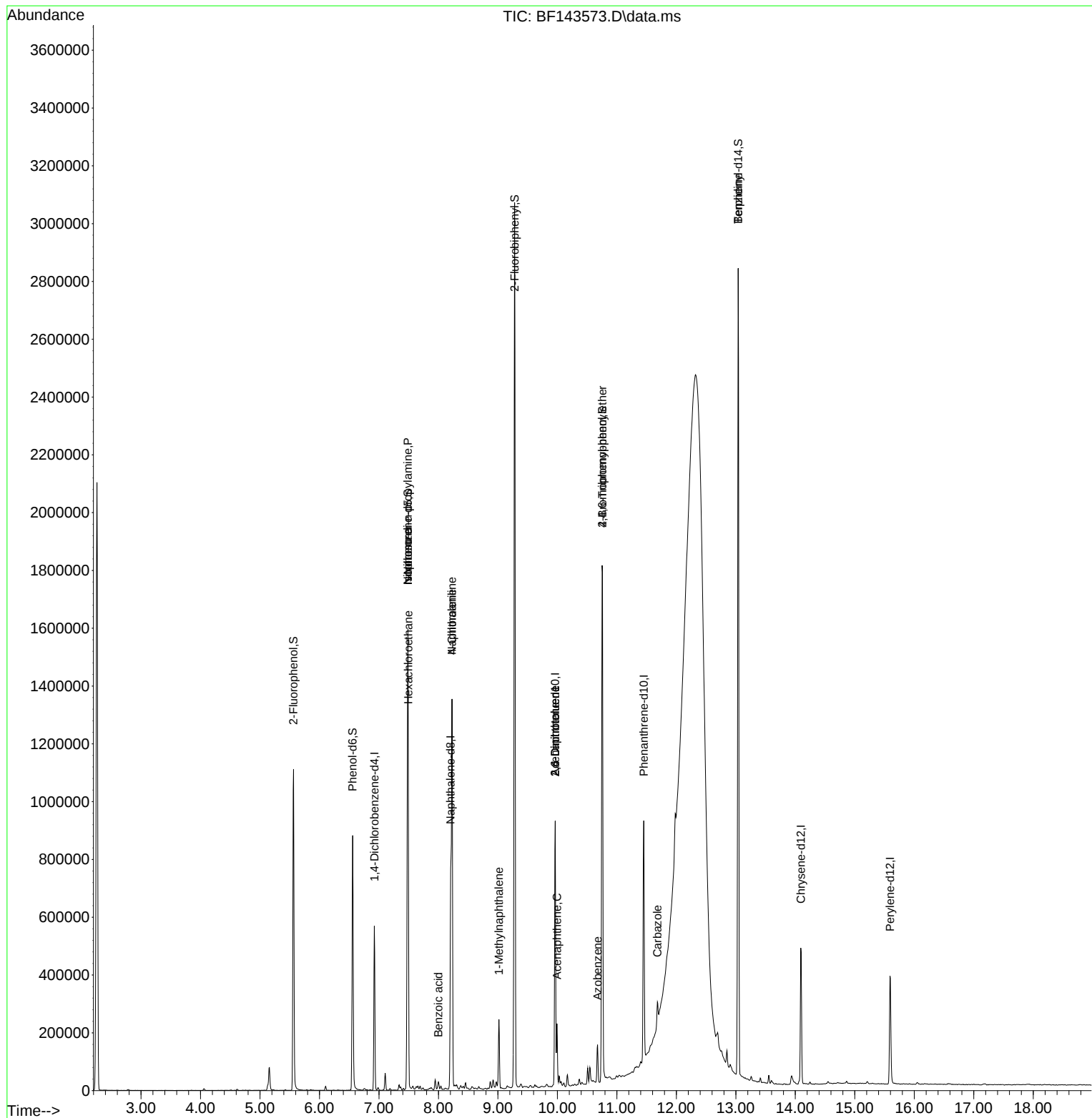
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	115011	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	460839	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	268378	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	418179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	235322	20.000	ng	-0.01
86) Perylene-d12	15.592	264	229304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	403236	61.222	ng	0.00
7) Phenol-d6	6.557	99	386295	47.511	ng	-0.02
23) Nitrobenzene-d5	7.487	82	748035	94.722	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	333521	133.504	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1357068	83.568	ng	0.00
79) Terphenyl-d14	13.039	244	1365932	101.291	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.492	117	8323	2.986	ng	# 3
19) n-Nitroso-di-n-propyla...	7.487	70	105482	21.225	ng	# 77
25) Isophorone	7.487	82	721033	49.808	ng	# 65
31) Naphthalene	8.228	128	793161	35.849	ng	# 99
32) Benzoic acid	7.998	122	4219	6.581	ng	# 15
33) 4-Chloroaniline	8.228	127	106944	13.619	ng	# 33
38) 1-Methylnaphthalene	9.016	142	84301	5.964	ng	# 100
51) 2,6-Dinitrotoluene	9.963	165	34619	10.334	ng	# 26
52) Acenaphthene	9.992	154	64053	4.408	ng	# 99
57) 2,4-Dinitrotoluene	9.963	165	34619	7.739	ng	# 27
63) Azobenzene	10.675	77	30383	2.022	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	22347	4.479	ng	# 1
73) Carbazole	11.680	167	45538	2.450	ng	# 99
77) Benzidine	13.039	184	17262	3.011	ng	# 93

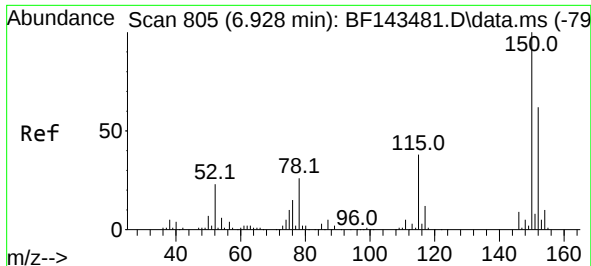
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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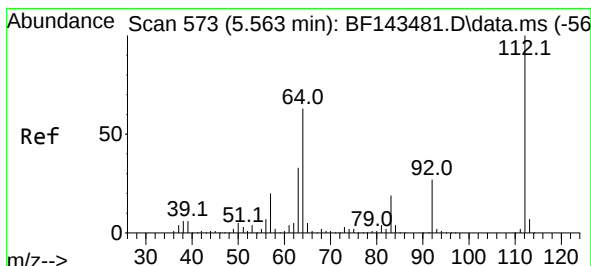
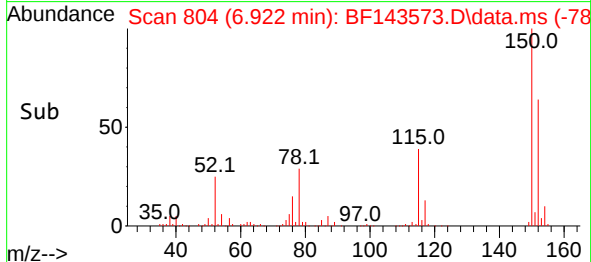
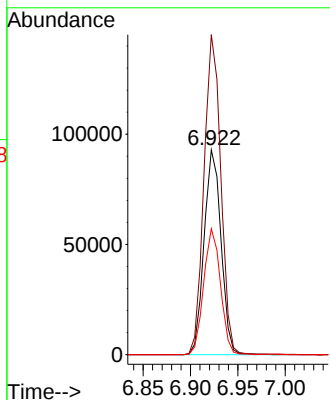
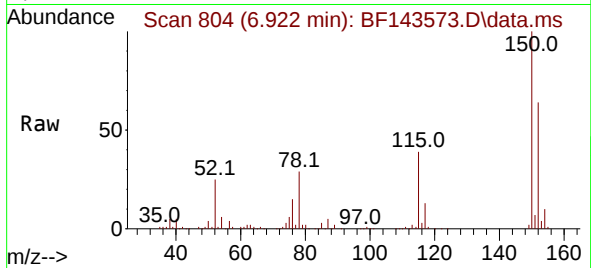




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

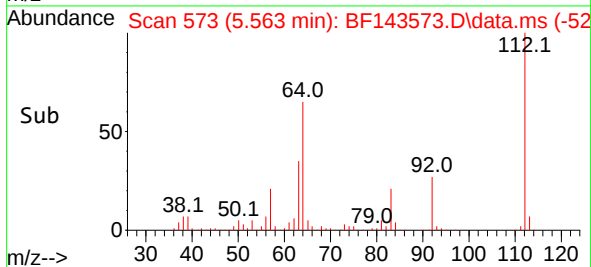
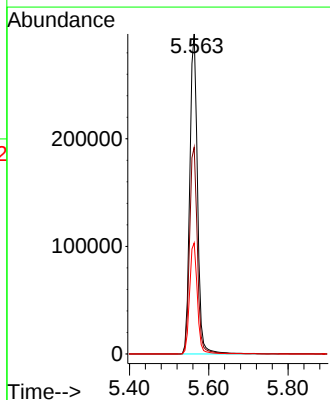
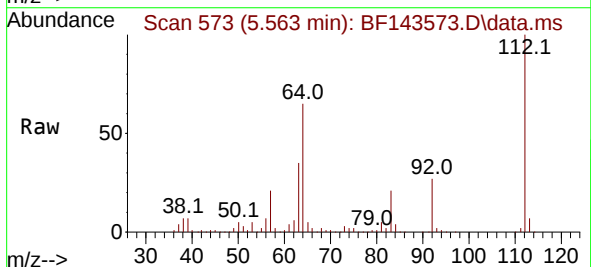
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

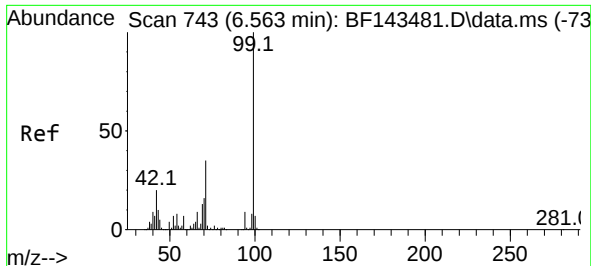
Tgt Ion:152 Resp: 115011
Ion Ratio Lower Upper
152 100
150 156.3 128.9 193.3
115 61.5 49.2 73.8



#5
2-Fluorophenol
Concen: 61.222 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion:112 Resp: 403236
Ion Ratio Lower Upper
112 100
64 64.6 50.4 75.6
63 34.7 26.4 39.6

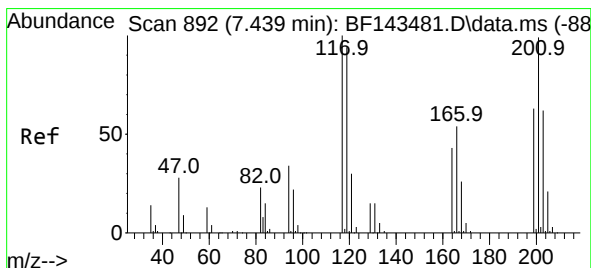
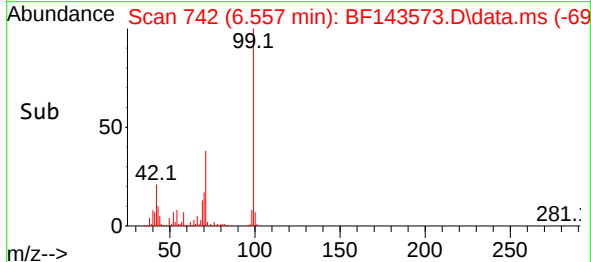
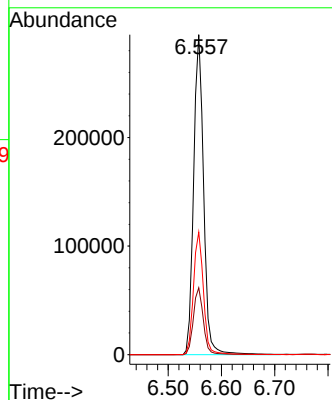
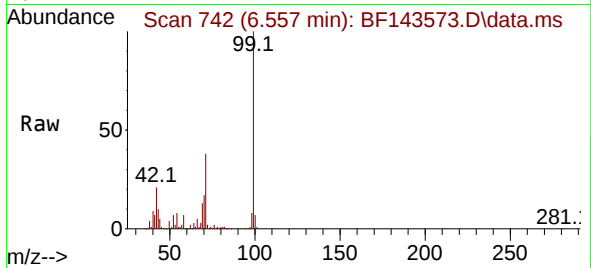




#7
Phenol-d6
Concen: 47.511 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

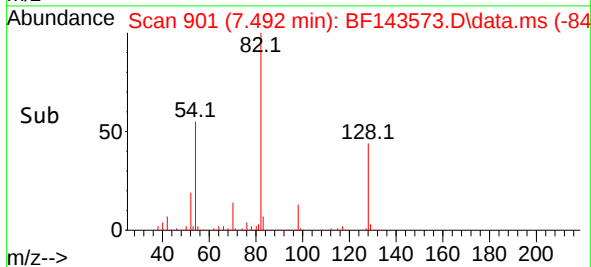
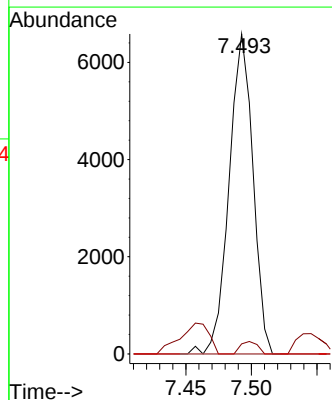
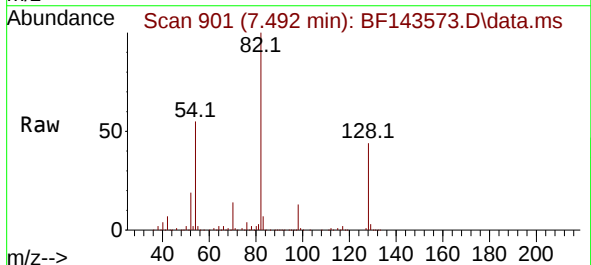
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

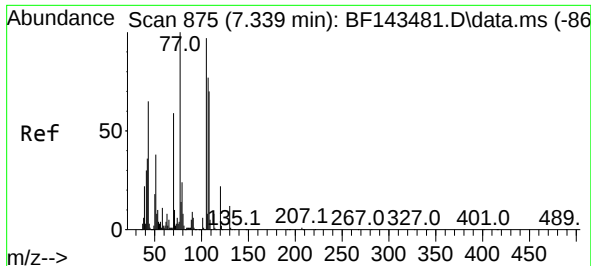
Tgt Ion: 99 Resp: 386295
Ion Ratio Lower Upper
99 100
42 20.9 16.3 24.5
71 38.3 28.2 42.2



#18
Hexachloroethane
Concen: 2.986 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.047 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion: 117 Resp: 8323
Ion Ratio Lower Upper
117 100
119 3.1 75.4 113.0#
201 0.0 79.0 118.4#

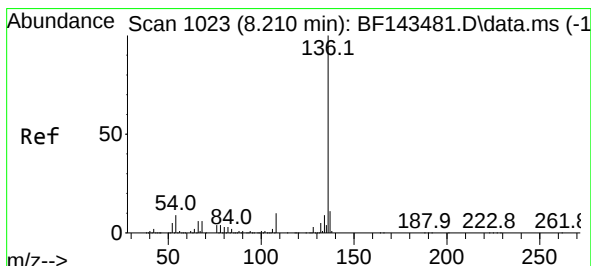
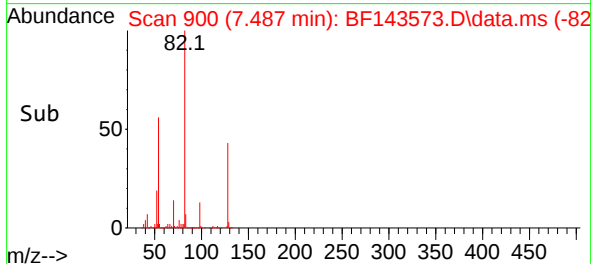
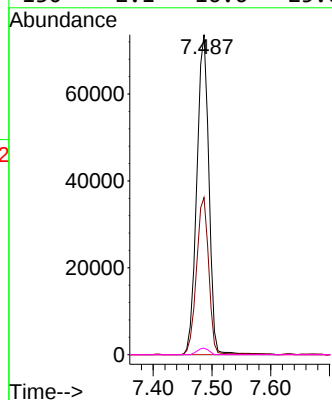
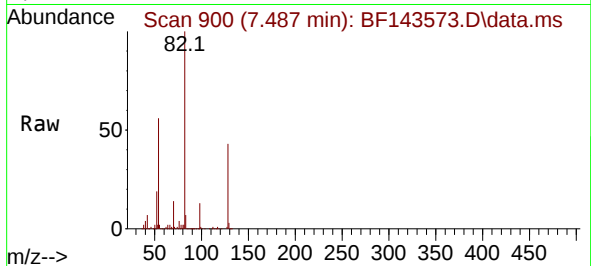




#19
n-Nitroso-di-n-propylamine
Concen: 21.225 ng
RT: 7.487 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

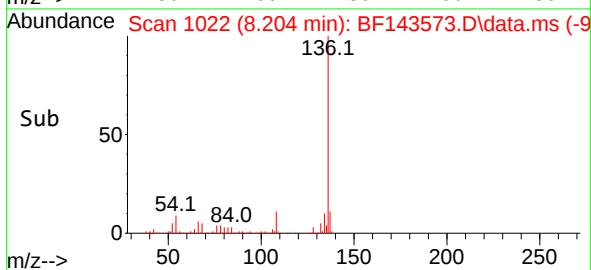
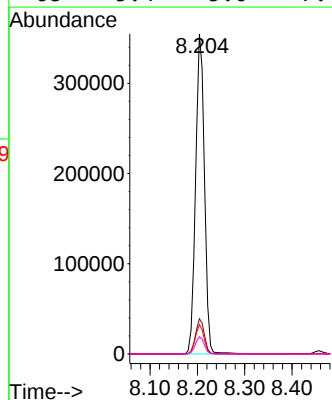
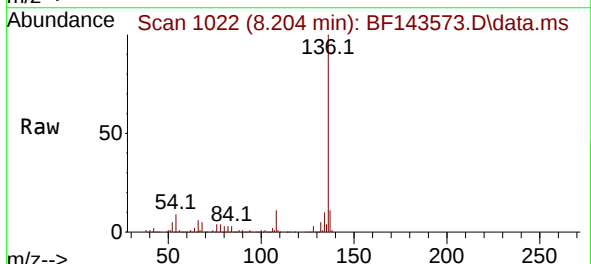
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

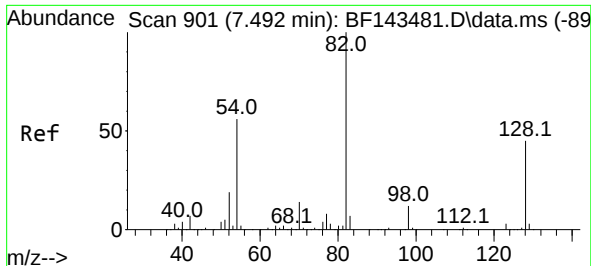
Tgt Ion: 70 Resp: 105482
Ion Ratio Lower Upper
70 100
42 49.1 49.3 73.9#
101 0.0 7.8 11.8#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion: 136 Resp: 460839
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.1 7.4 11.2
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 94.722 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

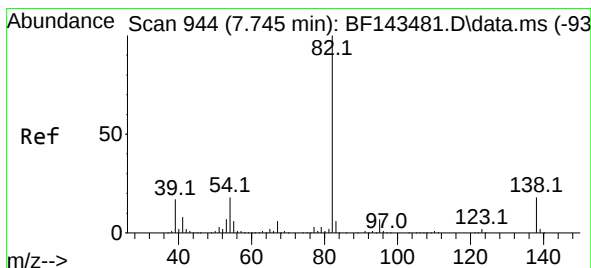
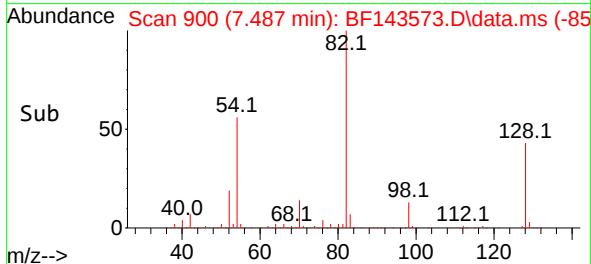
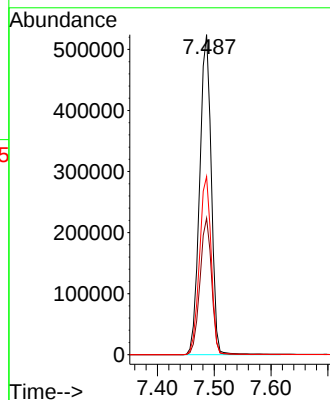
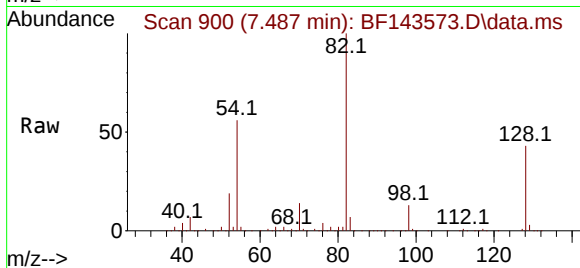
Tgt Ion: 82 Resp: 748035

Ion Ratio Lower Upper

82 100

128 42.6 35.5 53.3

54 55.7 44.3 66.5



#25

Isophorone

Concen: 49.808 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.271 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

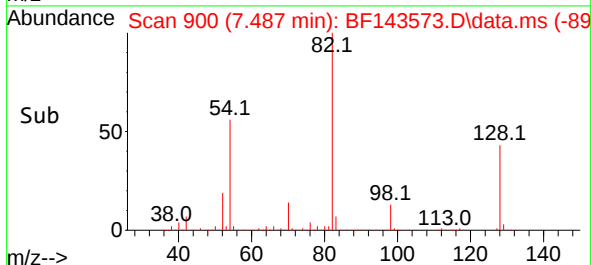
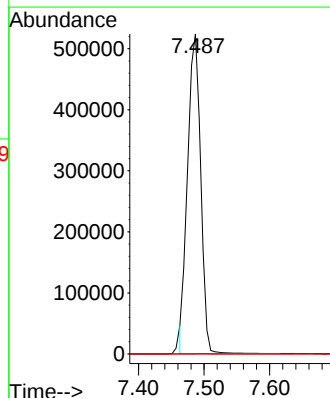
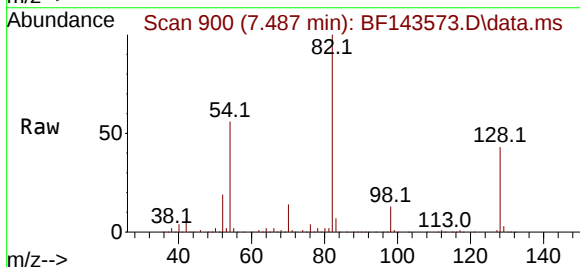
Tgt Ion: 82 Resp: 721033

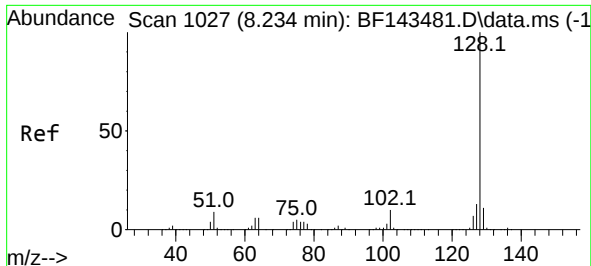
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.2 21.4#

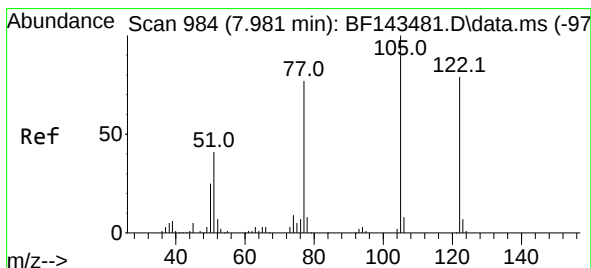
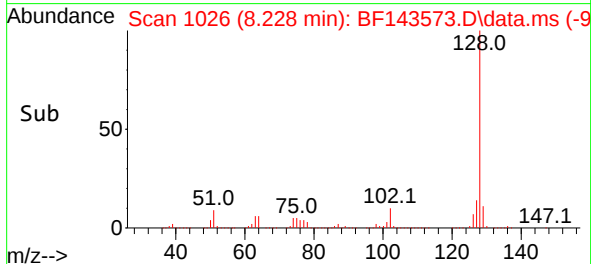
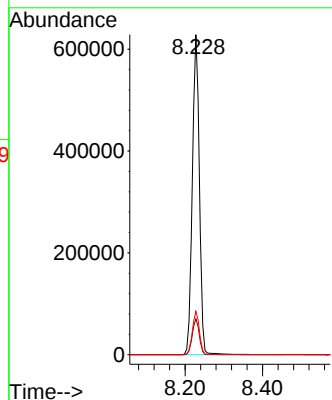
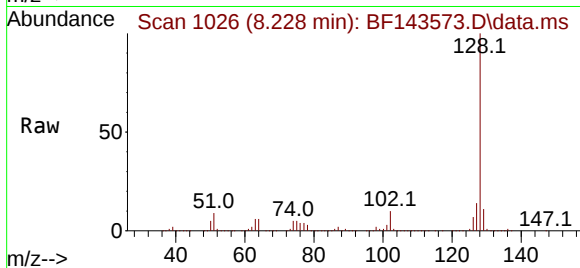




#31
Naphthalene
Concen: 35.849 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

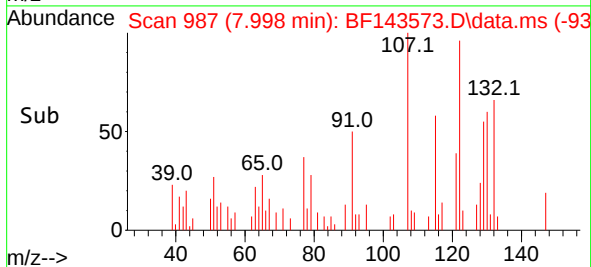
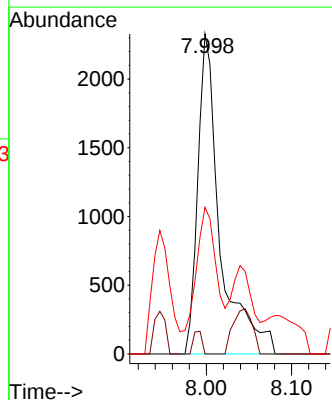
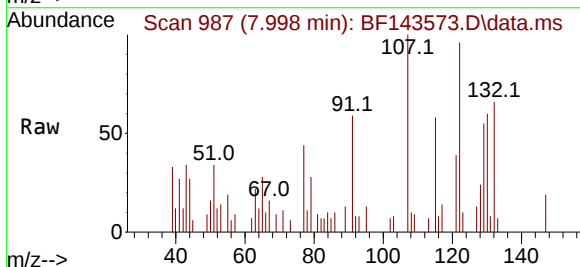
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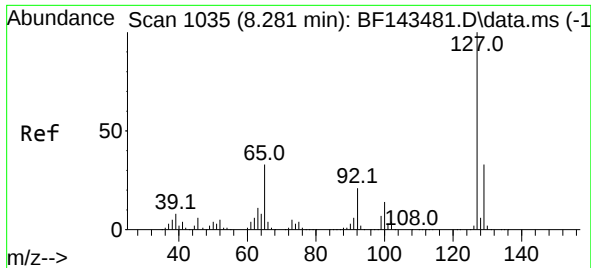
Tgt Ion:128 Resp: 793161
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.5 10.6 16.0



#32
Benzoic acid
Concen: 6.581 ng
RT: 7.998 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion:122 Resp: 4219
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 45.8 77.3 117.3#

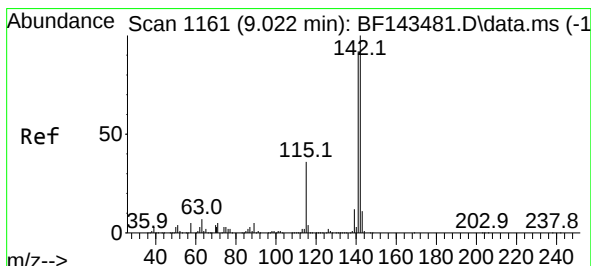
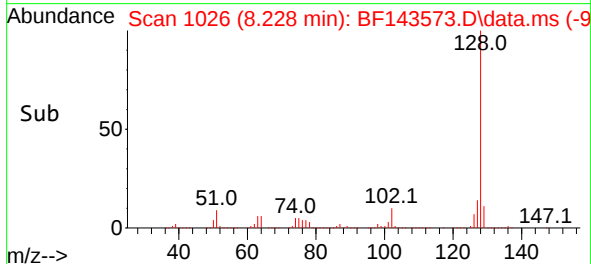
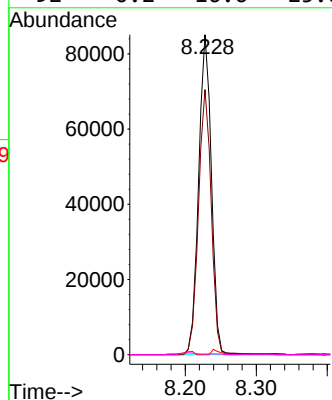
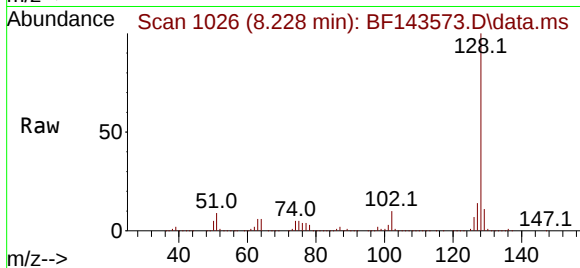




#33
4-Chloroaniline
Concen: 13.619 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

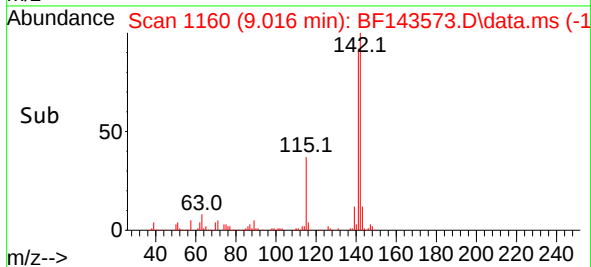
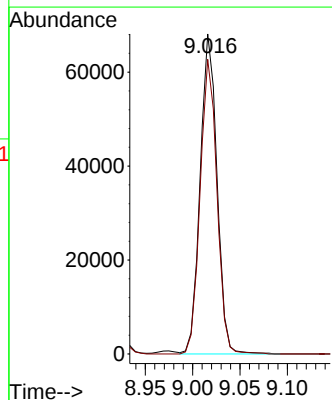
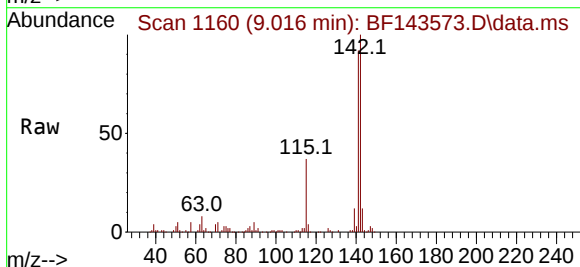
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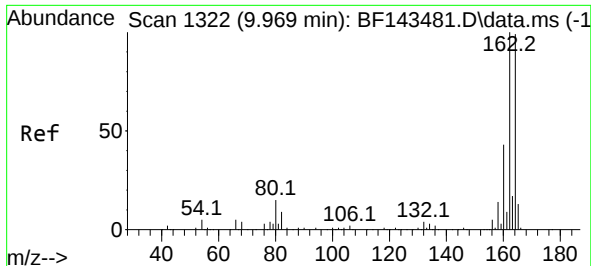
Tgt Ion:127	Resp: 106944
Ion Ratio	Lower Upper
127 100	
129 82.8	26.1 39.1#
65 0.0	26.2 39.2#
92 0.2	16.6 25.0#



#38
1-Methylnaphthalene
Concen: 5.964 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion:142	Resp: 84301
Ion Ratio	Lower Upper
142 100	
141 92.1	73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

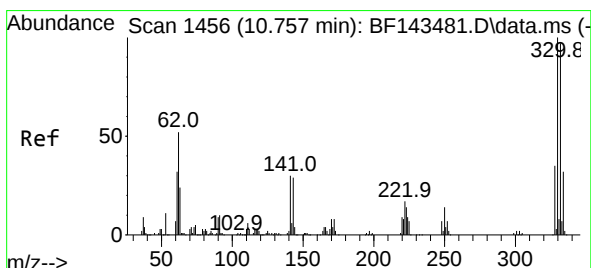
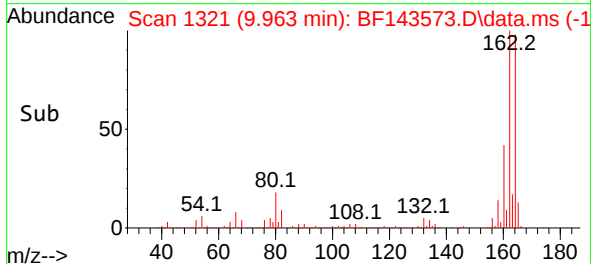
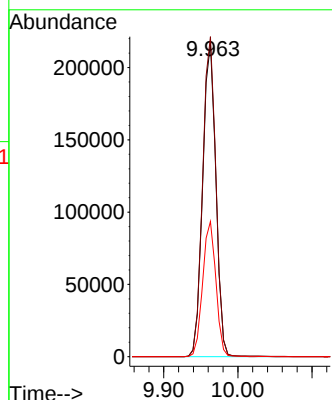
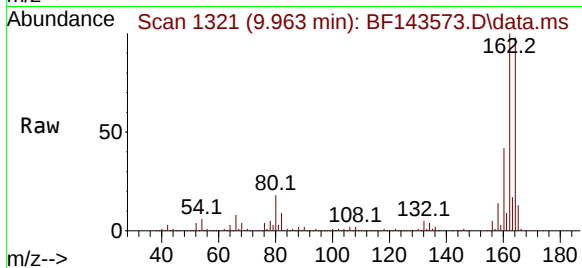
Tgt Ion:164 Resp: 268378

Ion Ratio Lower Upper

164 100

162 102.2 80.5 120.7

160 43.2 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 133.504 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

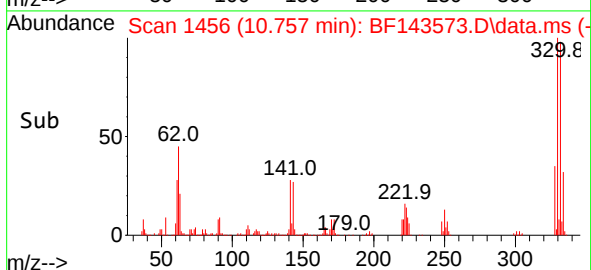
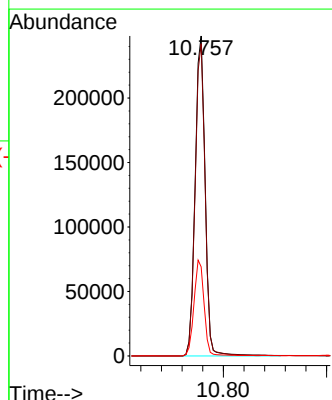
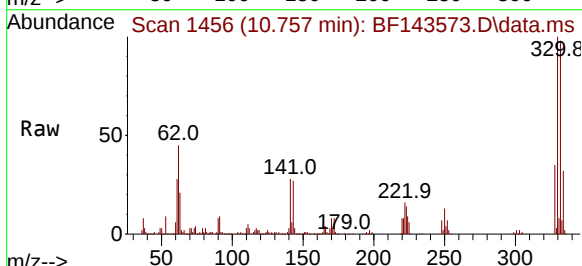
Tgt Ion:330 Resp: 333521

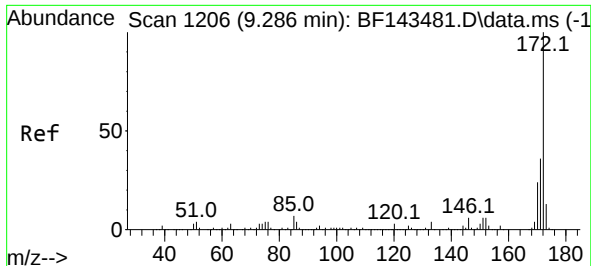
Ion Ratio Lower Upper

330 100

332 97.4 78.0 117.0

141 30.6 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 83.568 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

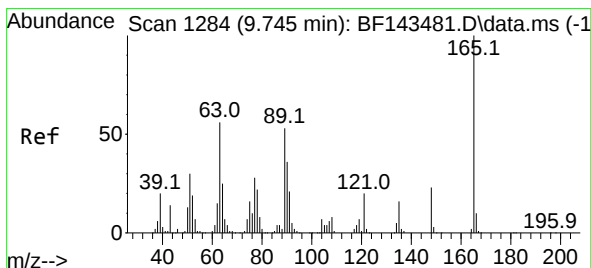
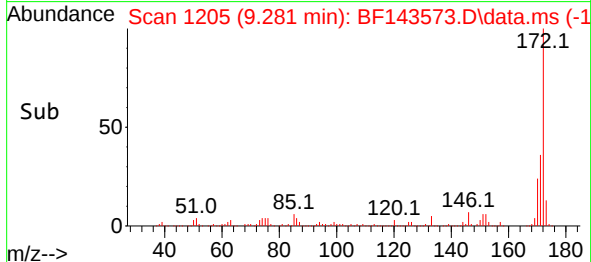
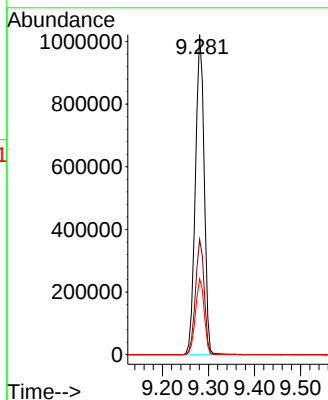
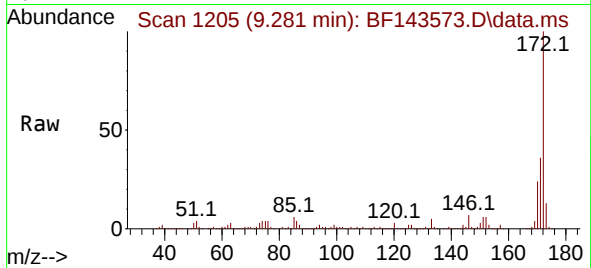
Tgt Ion:172 Resp: 1357068

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.7 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.334 ng

RT: 9.963 min Scan# 1321

Delta R.T. 0.212 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

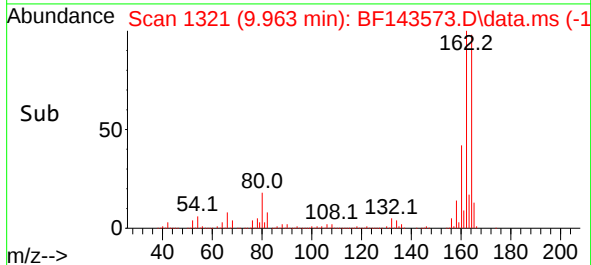
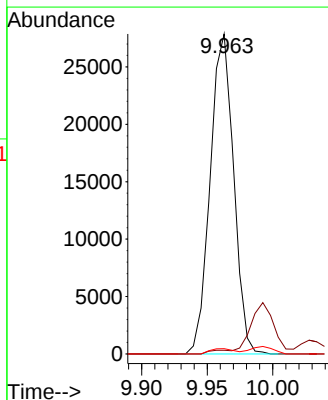
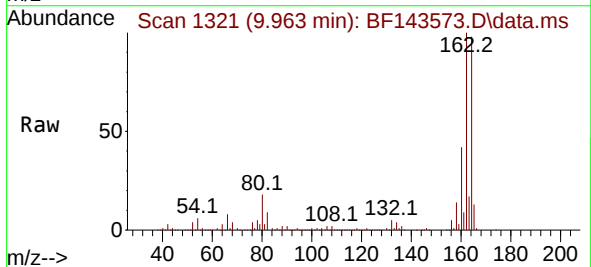
Tgt Ion:165 Resp: 34619

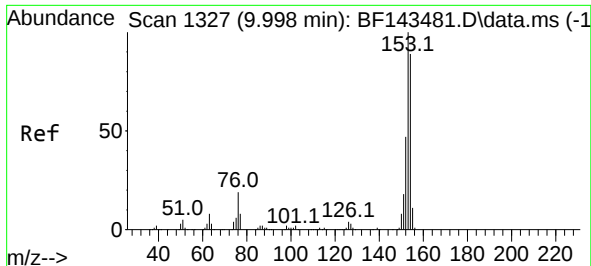
Ion Ratio Lower Upper

165 100

63 1.1 45.0 67.6#

89 1.7 42.5 63.7#

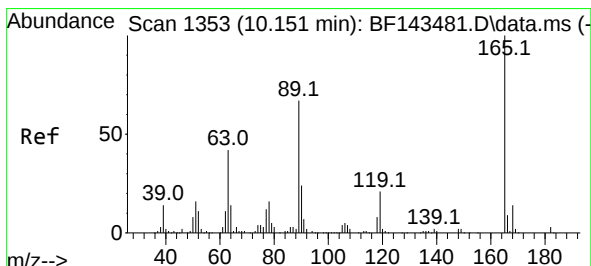
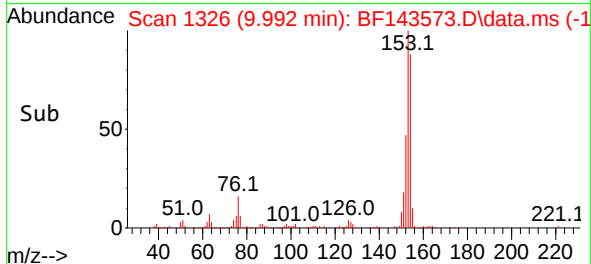
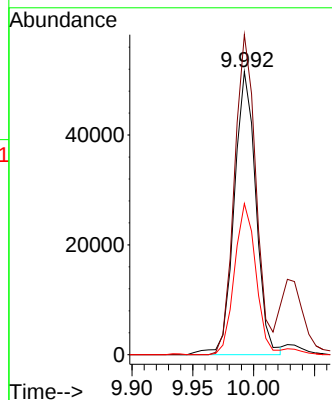
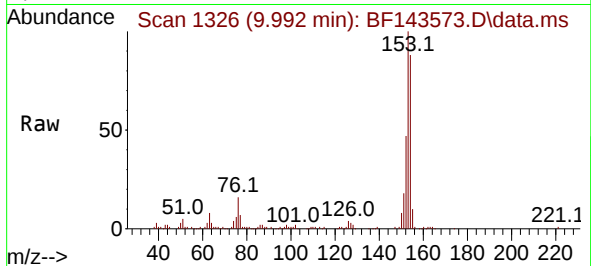




#52
Acenaphthene
Concen: 4.408 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

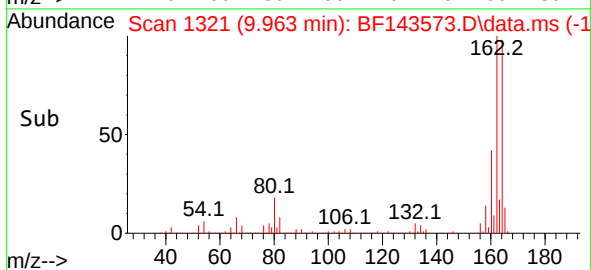
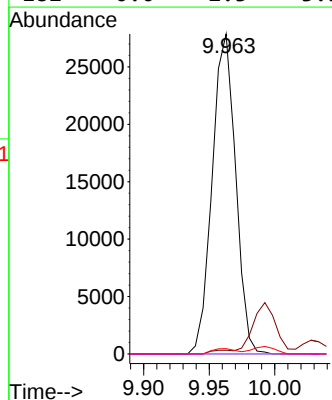
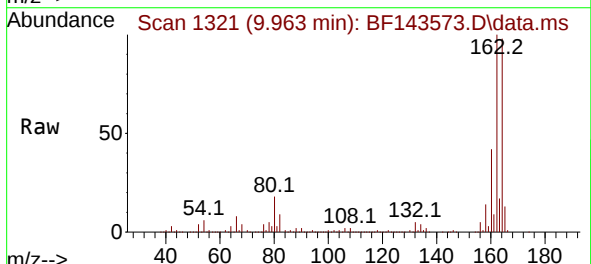
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

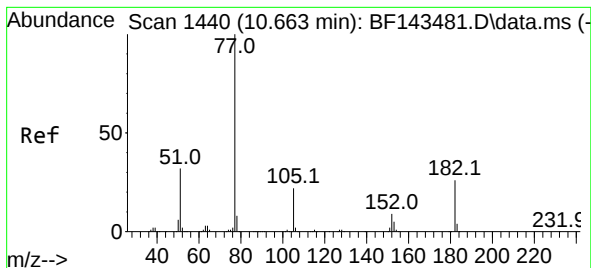
Tgt Ion:154 Resp: 64053
Ion Ratio Lower Upper
154 100
153 113.0 89.5 134.3
152 53.3 42.5 63.7



#57
2,4-Dinitrotoluene
Concen: 7.739 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion:165 Resp: 34619
Ion Ratio Lower Upper
165 100
63 1.1 34.9 52.3#
89 1.7 53.3 79.9#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.022 ng

RT: 10.675 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

Tgt Ion: 77 Resp: 30383

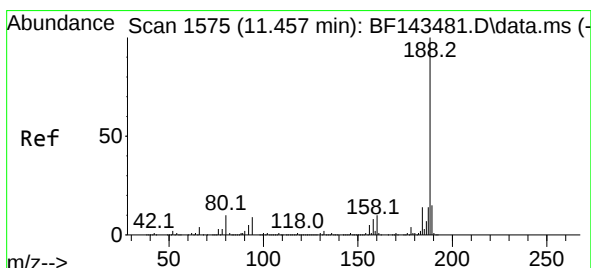
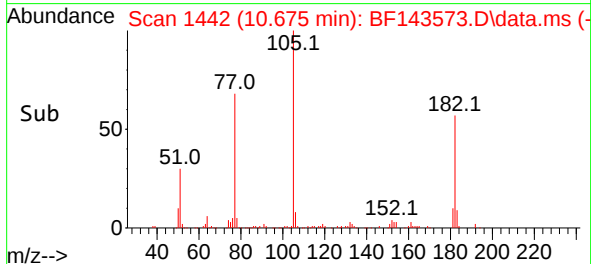
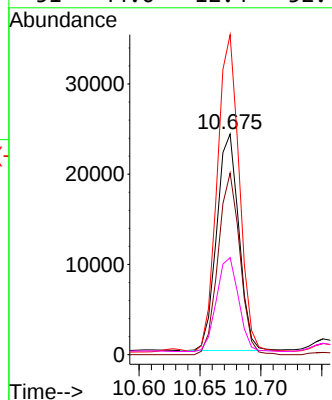
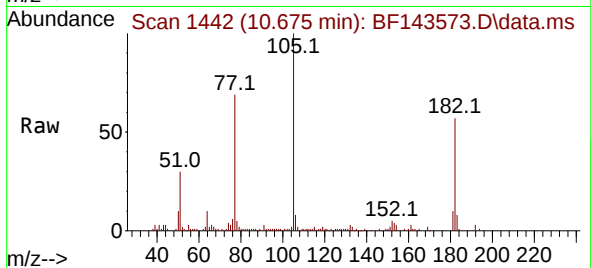
Ion Ratio Lower Upper

77 100

182 82.3 6.2 46.2#

105 145.0 2.2 42.2#

51 44.0 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

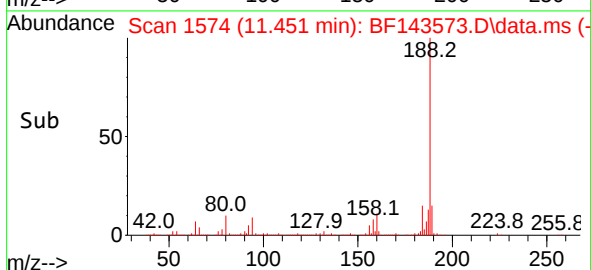
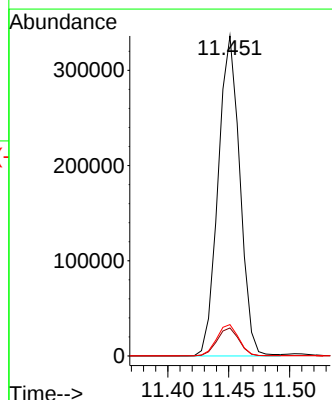
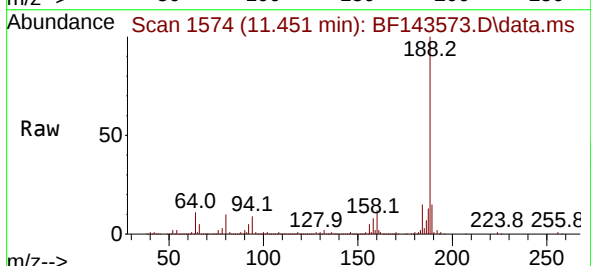
Tgt Ion:188 Resp: 418179

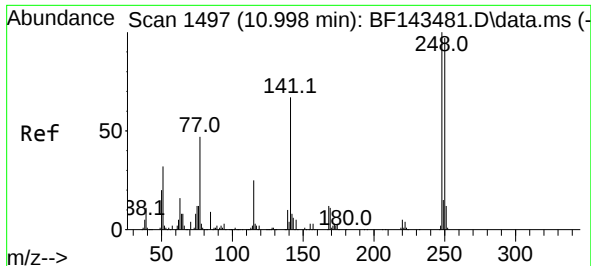
Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

80 9.8 8.2 12.4

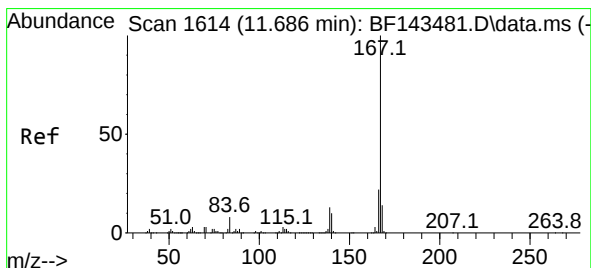
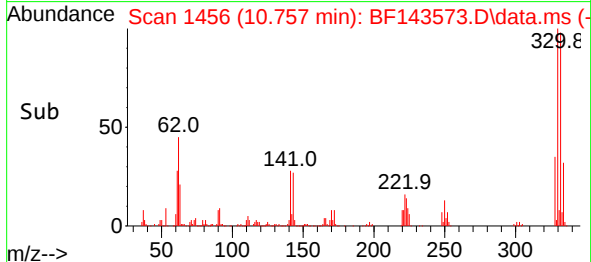
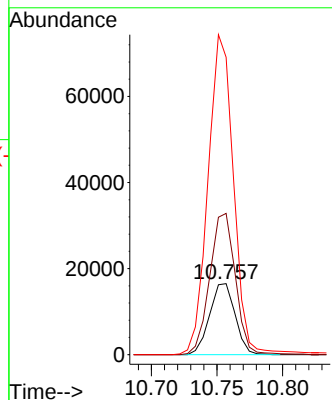
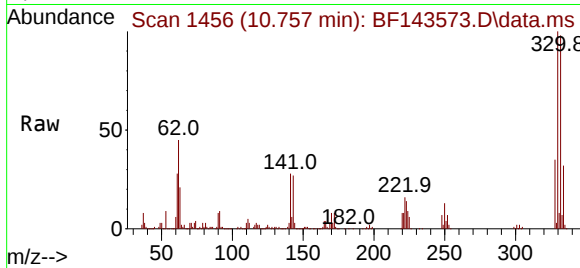




#67
4-Bromophenyl-phenylether
Concen: 4.479 ng
RT: 10.757 min Scan# 1497
Delta R.T. -0.241 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

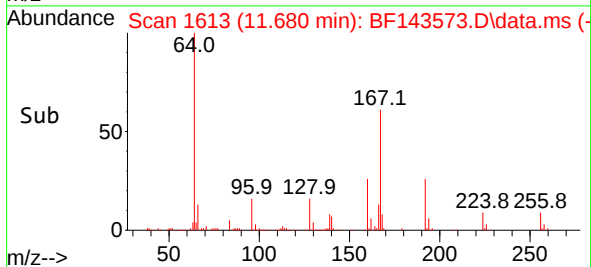
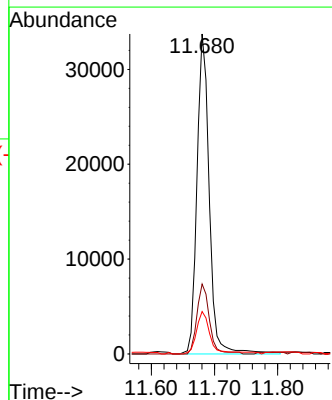
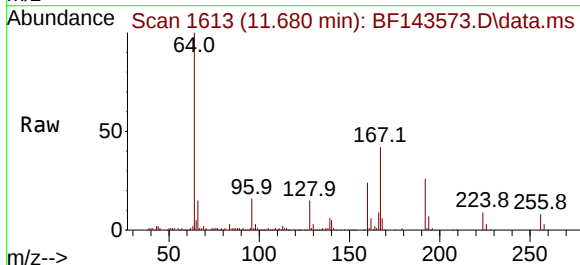
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

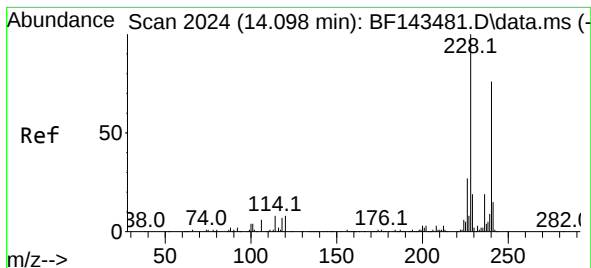
Tgt Ion:248 Resp: 22347
Ion Ratio Lower Upper
248 100
250 198.7 77.8 116.8#
141 418.4 54.0 81.0#



#73
Carbazole
Concen: 2.450 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

Tgt Ion:167 Resp: 45538
Ion Ratio Lower Upper
167 100
166 21.8 17.3 25.9
139 13.2 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

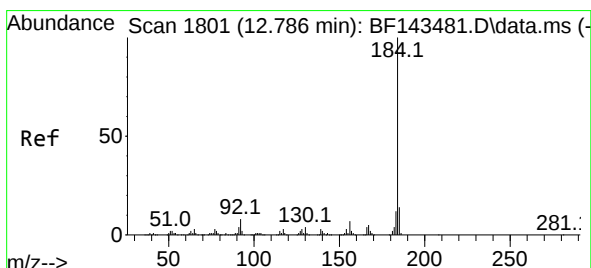
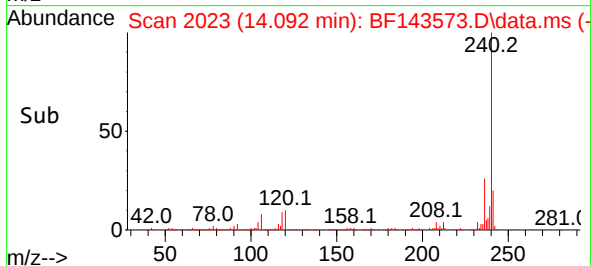
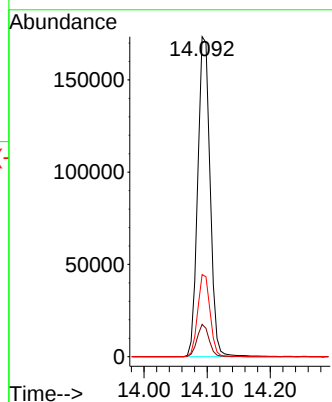
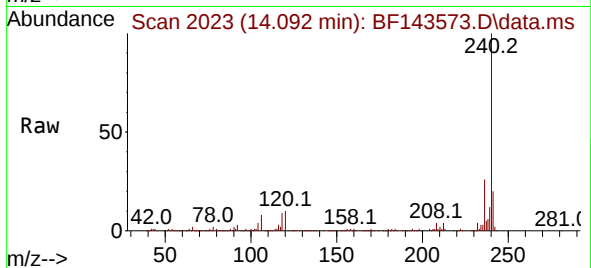
Tgt Ion:240 Resp: 235322

Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.6 20.4 30.6



#77

Benidine

Concen: 3.011 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.253 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

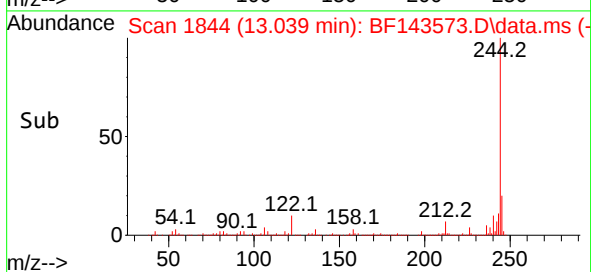
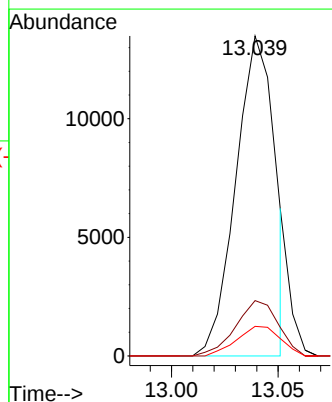
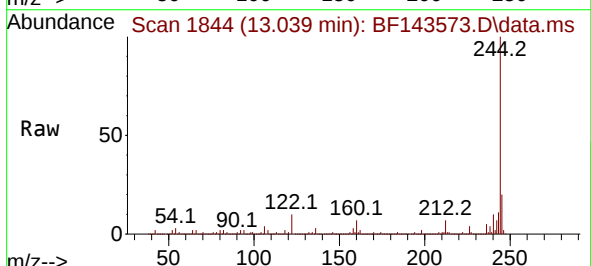
Tgt Ion:184 Resp: 17262

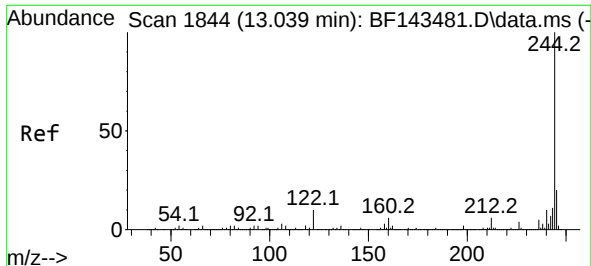
Ion Ratio Lower Upper

184 100

185 17.3 11.3 16.9#

183 9.2 9.5 14.3#

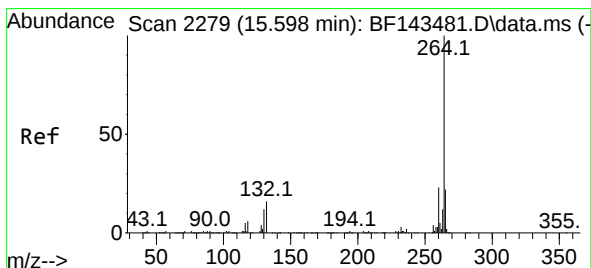
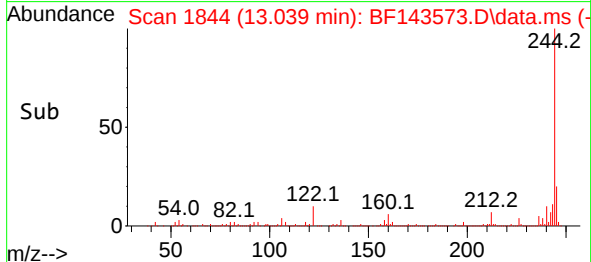
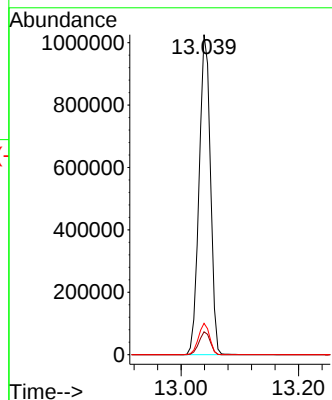
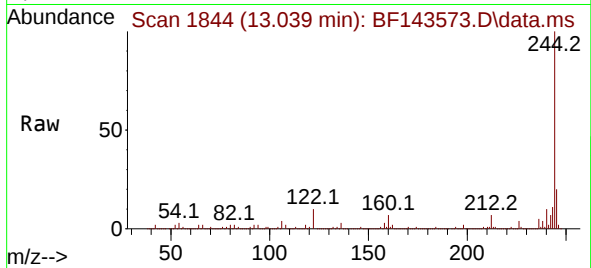




#79
 Terphenyl-d14
 Concen: 101.291 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: BF143573.D
 Acq: 22 Aug 2025 15:25

Instrument :
 BNA_F
 ClientSampleId :
 MW-18B-081925

Tgt Ion:244 Resp: 1365932
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.2 7.8
 122 9.8 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143573.D
 Acq: 22 Aug 2025 15:25

Tgt Ion:264 Resp: 229304
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.4 17.6 26.4

