

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)

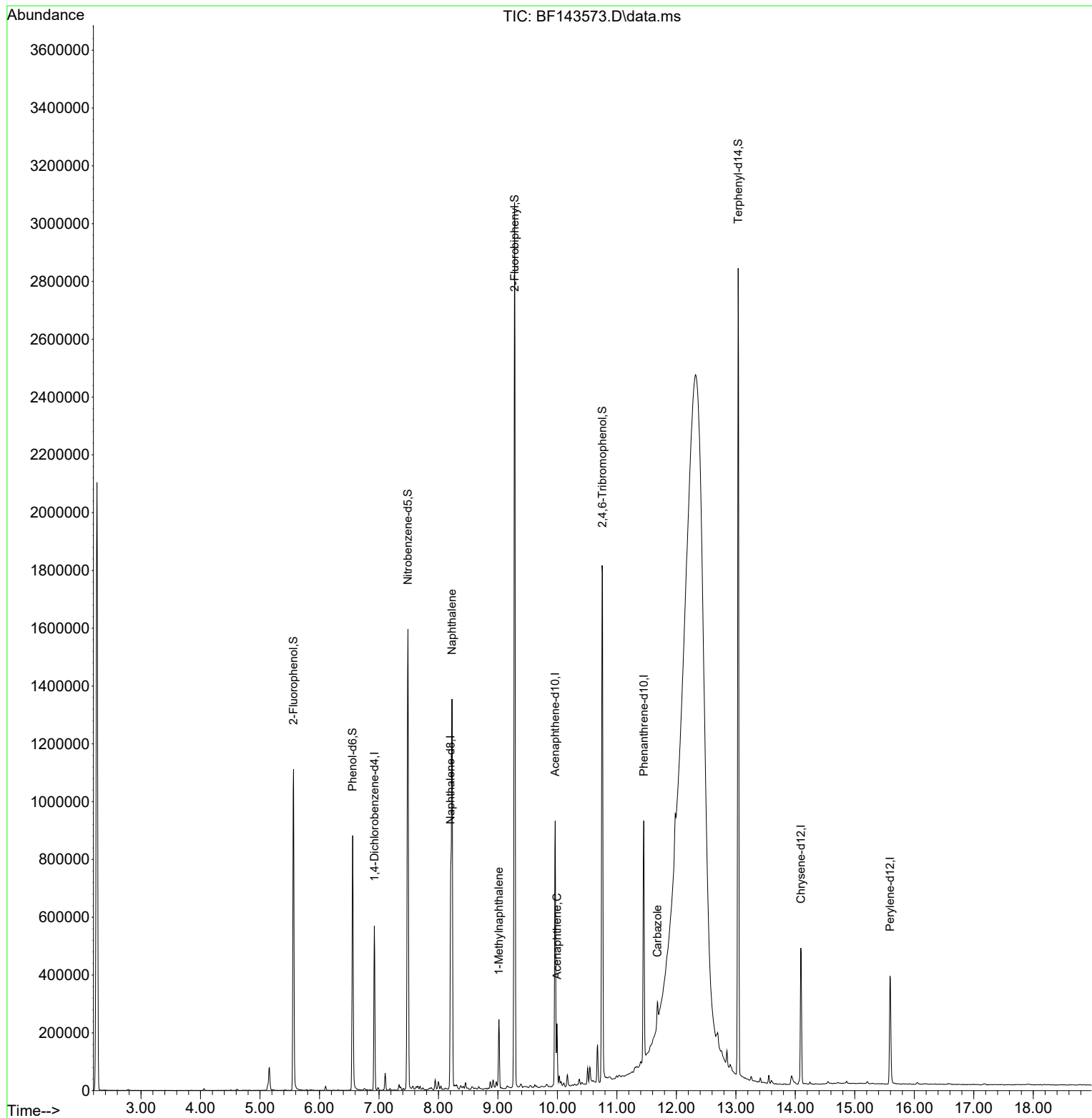
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	115011	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	460839	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	268378	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	418179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	235322	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.228	128	793161	35.849	ng	99
38) 1-Methylnaphthalene	9.016	142	84301	5.964	ng	100
52) Acenaphthene	9.992	154	64053	4.408	ng	99
73) Carbazole	11.680	167	45538	2.450	ng	99

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

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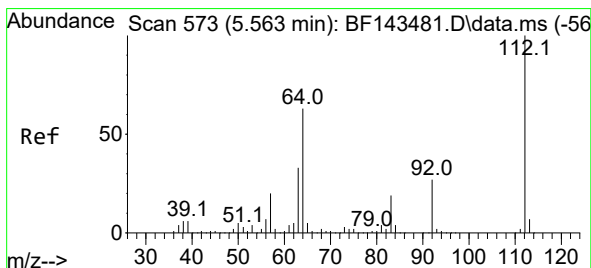
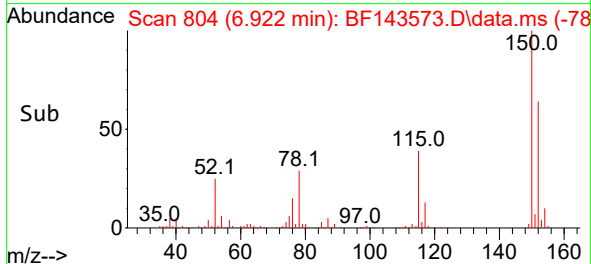
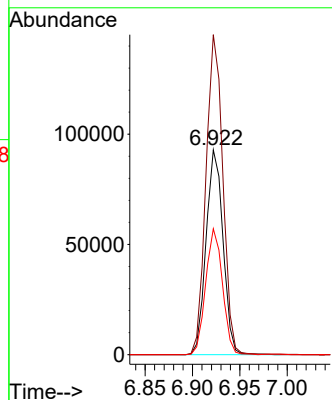
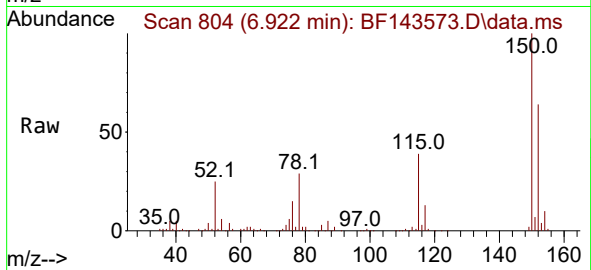




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

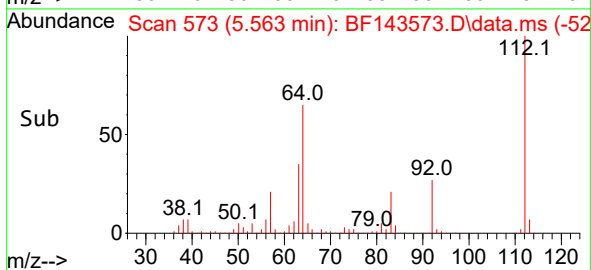
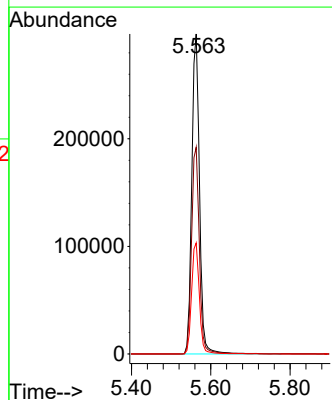
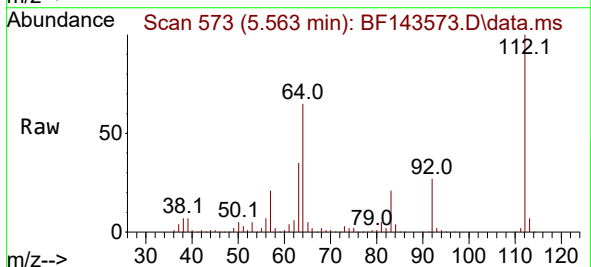
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

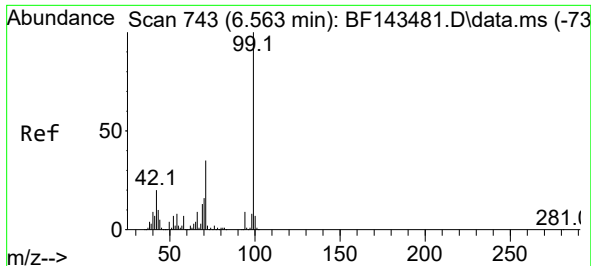
Tgt Ion:152 Resp: 115011
Ion Ratio Lower Upper
152 100
150 156.3 128.9 193.3
115 61.5 49.2 73.8



#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

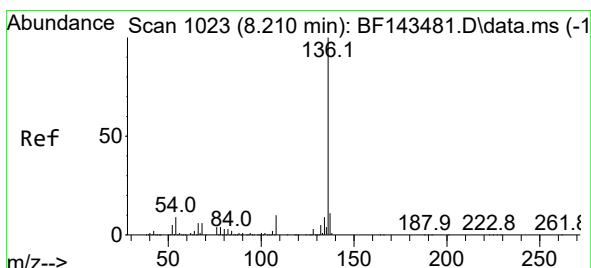
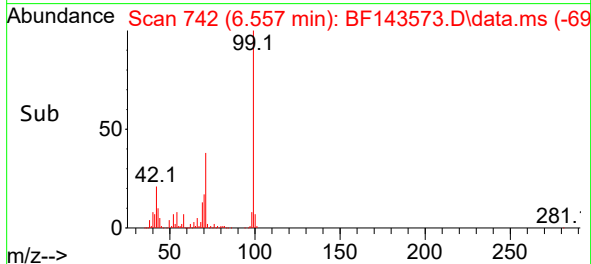
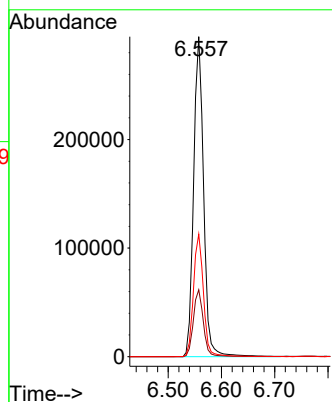
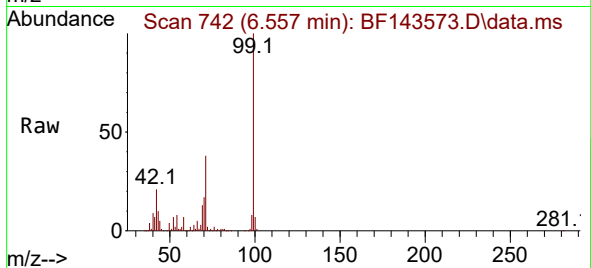




#7
Phenol-d6
Concen: 47.511 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

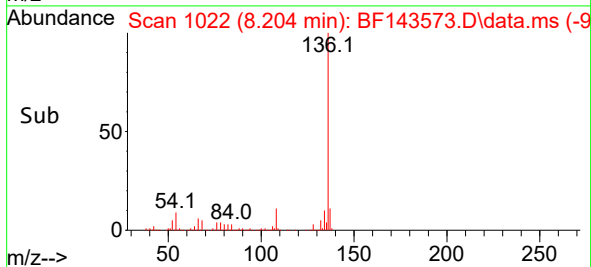
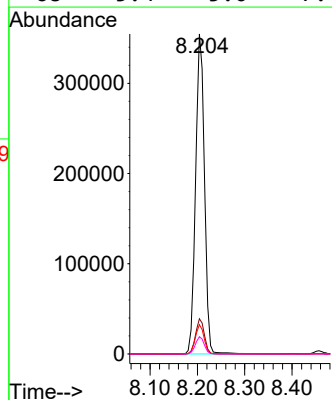
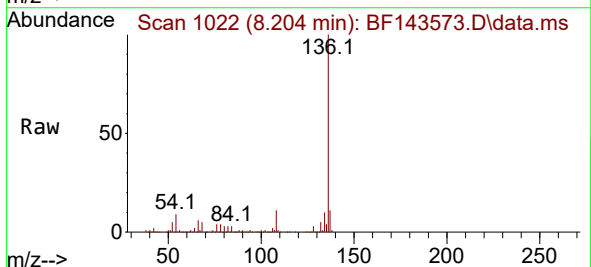
Instrument :
BNA_F
ClientSampleId :
MW-18B-081925

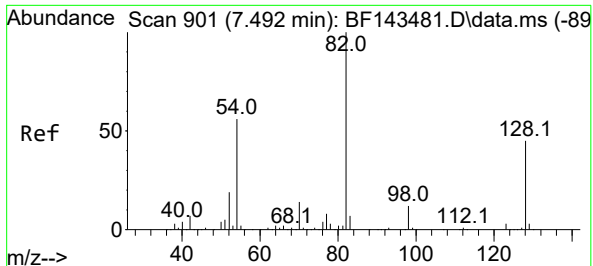
Tgt Ion: 99 Resp: 386295
Ion Ratio Lower Upper
99 100
42 20.9 16.3 24.5
71 38.3 28.2 42.2



#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# 901

Delta R.T. -0.012 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

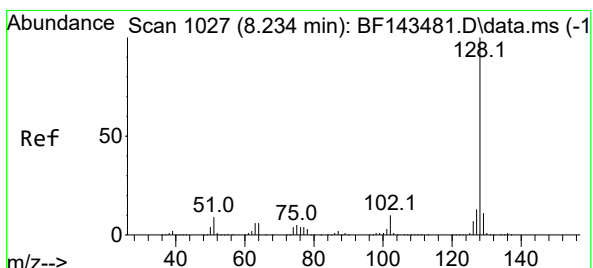
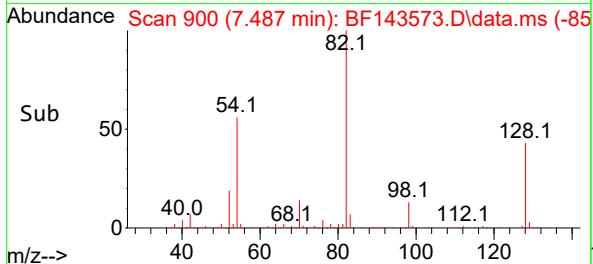
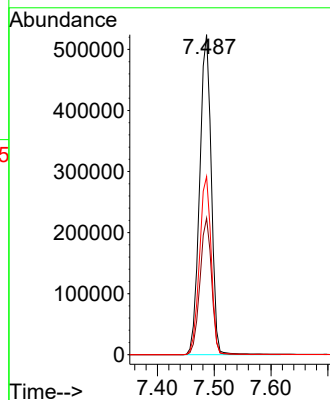
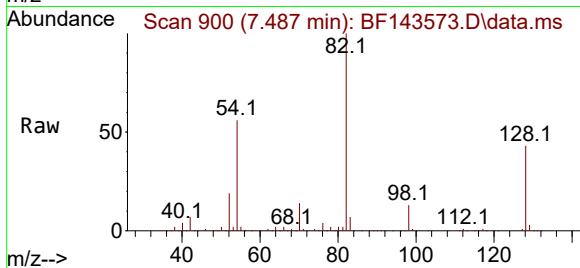
Tgt Ion: 82 Resp: 748035

Ion Ratio Lower Upper

82 100

128 42.6 35.5 53.3

54 55.7 44.3 66.5



#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

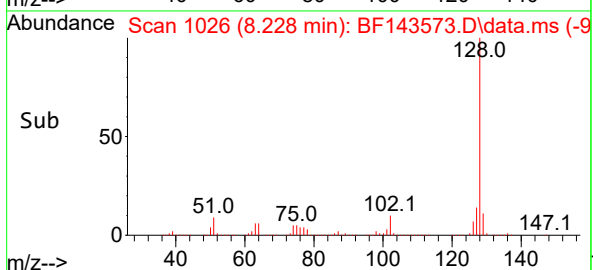
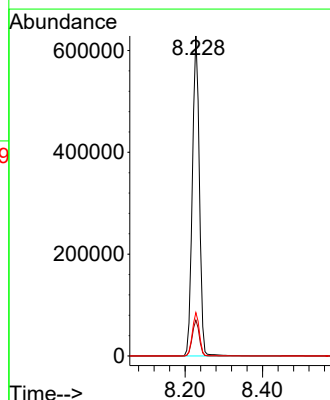
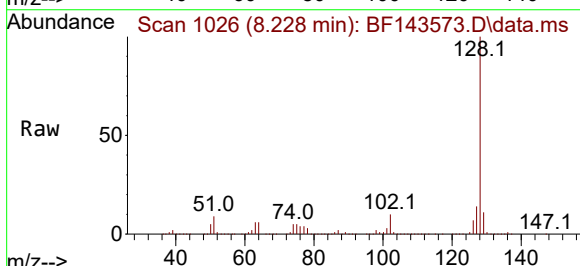
Tgt Ion:128 Resp: 793161

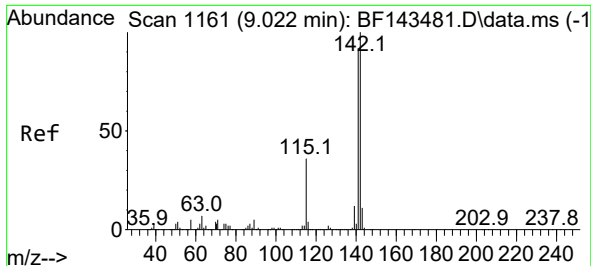
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.5 10.6 16.0





#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

Instrument :

BNA_F

ClientSampleId :

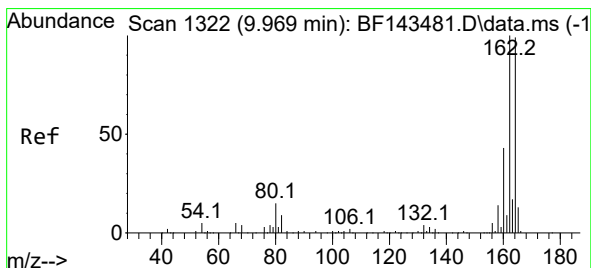
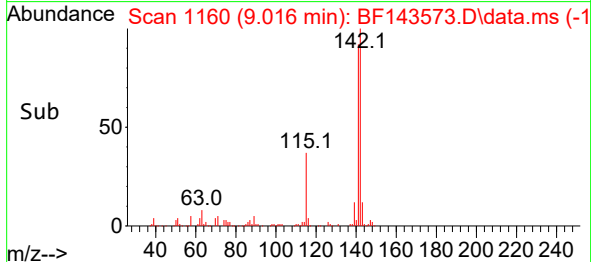
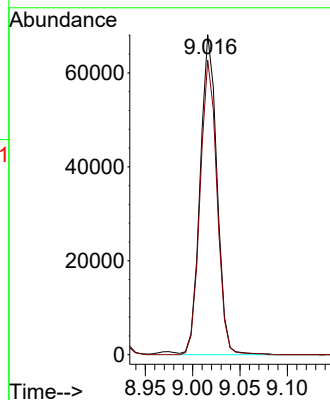
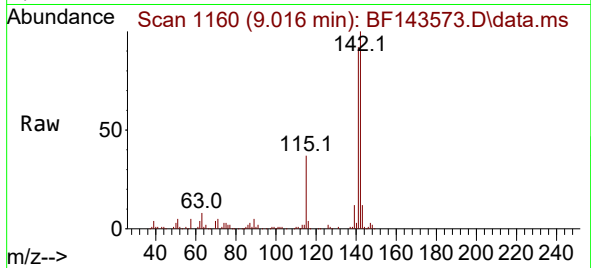
MW-18B-081925

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# 1321

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

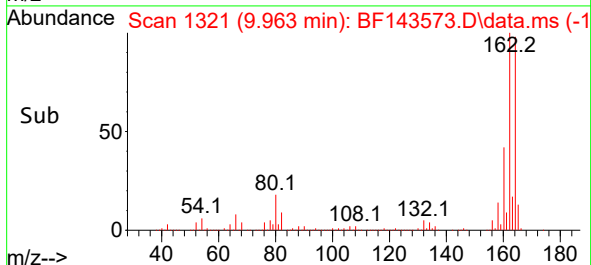
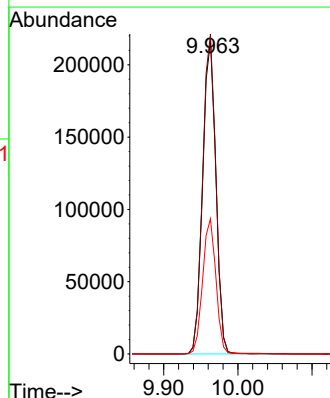
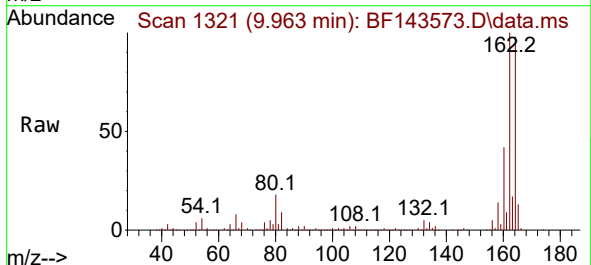
Tgt Ion:164 Resp: 268378

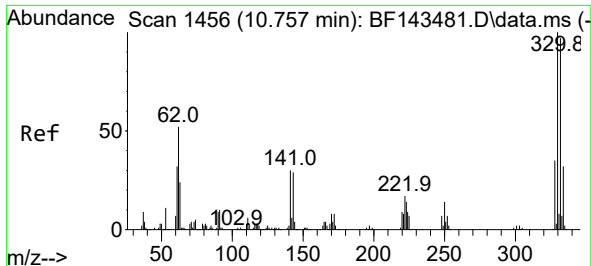
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

MW-18B-081925

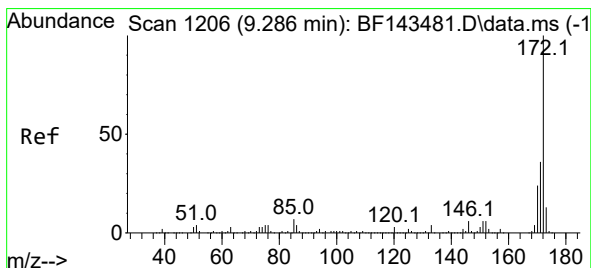
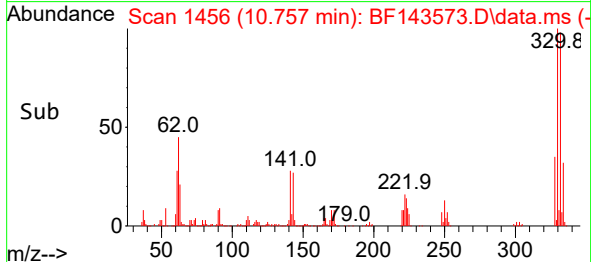
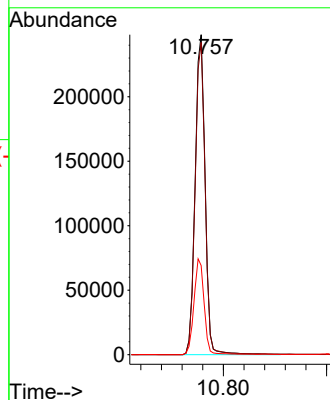
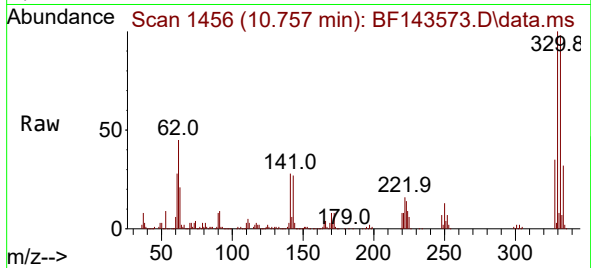
Tgt Ion:330 Resp: 333521

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# 1205

Delta R.T. -0.006 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

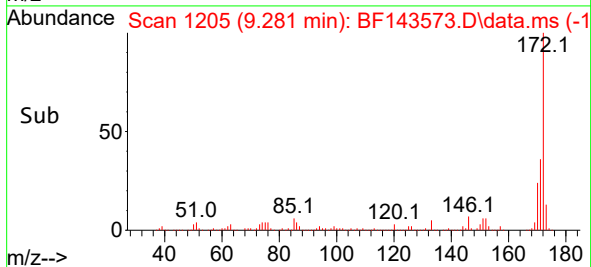
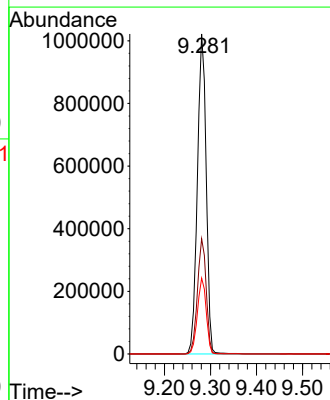
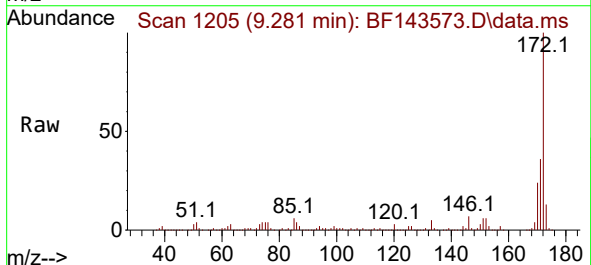
Tgt Ion:172 Resp: 1357068

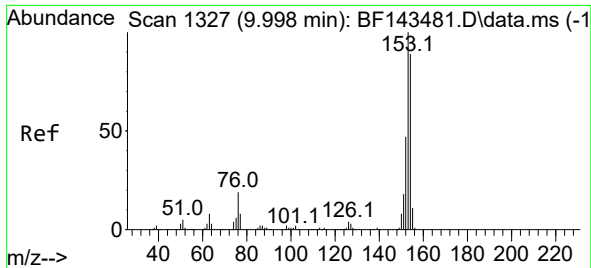
Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.7 18.8 28.2

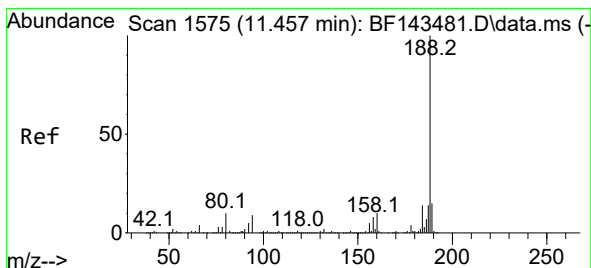
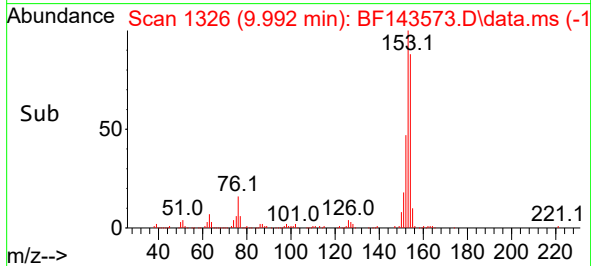
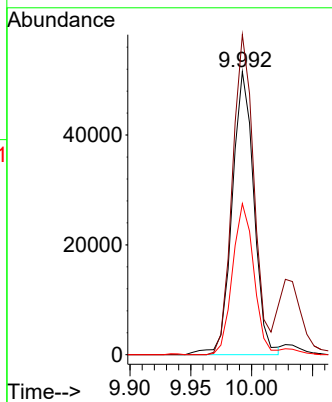
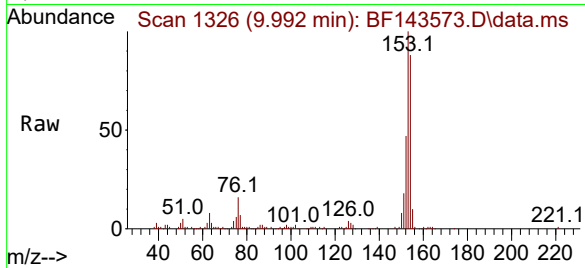




#52
Acenaphthene
Concen: 4.408 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143573.D
Acq: 22 Aug 2025 15:25

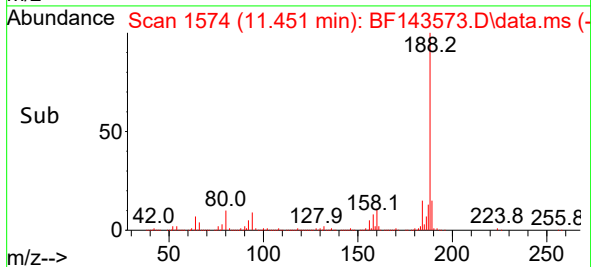
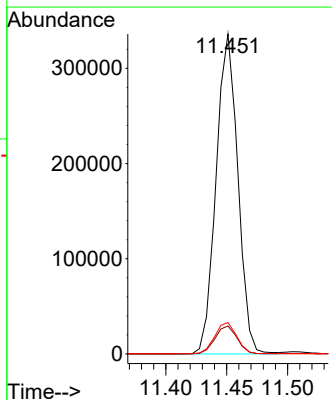
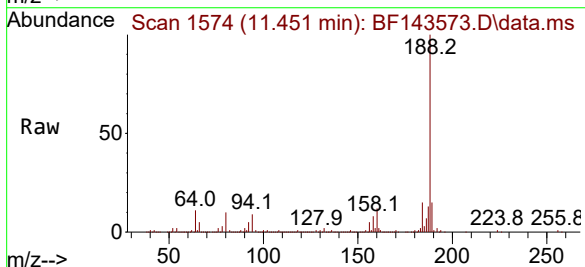
Instrument :
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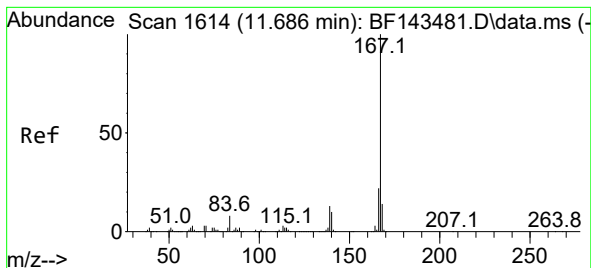
Tgt Ion:154 Resp: 64053
Ion Ratio Lower Upper
154 100
153 113.0 89.5 134.3
152 53.3 42.5 63.7



#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





#73

Carbazole

Concen: 2.450 ng

RT: 11.680 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

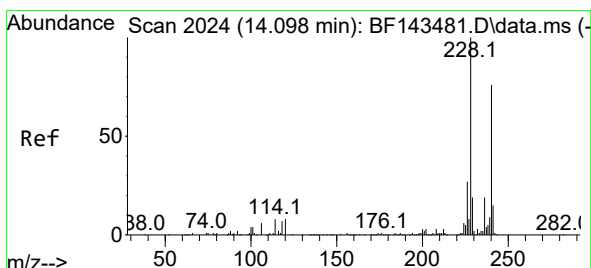
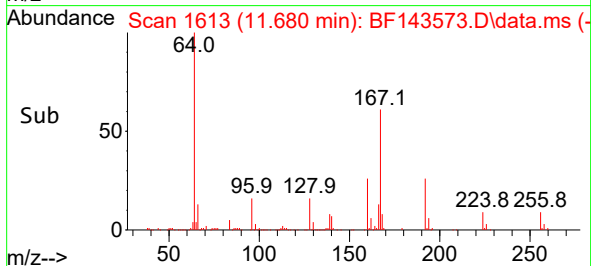
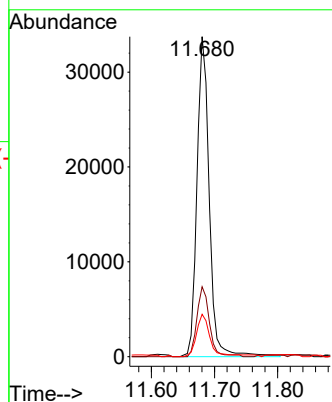
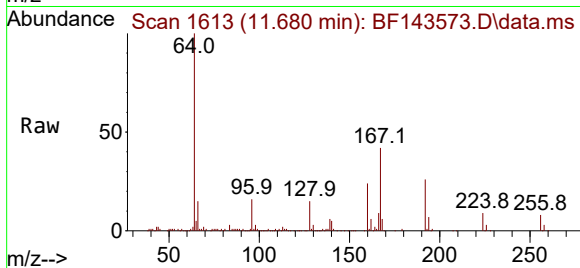
Tgt Ion:167 Resp: 45538

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# 2023

Delta R.T. -0.012 min

Lab File: BF143573.D

Acq: 22 Aug 2025 15:25

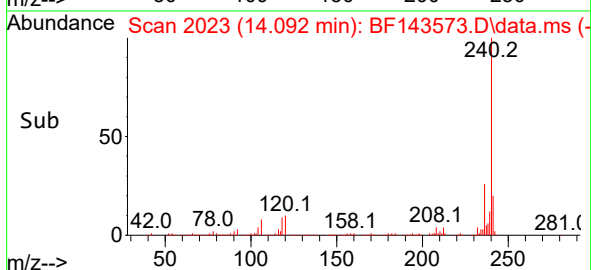
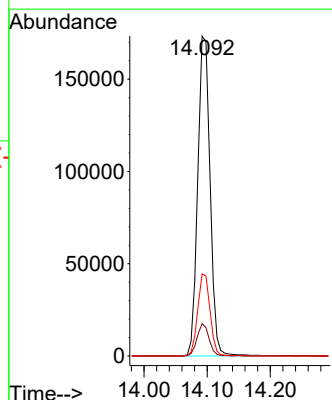
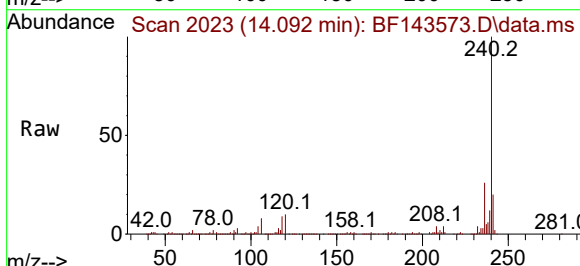
Tgt Ion:240 Resp: 235322

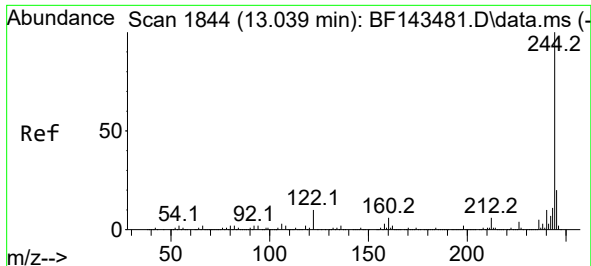
Ion Ratio Lower Upper

240 100

120 10.1 8.6 12.8

236 25.6 20.4 30.6





#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

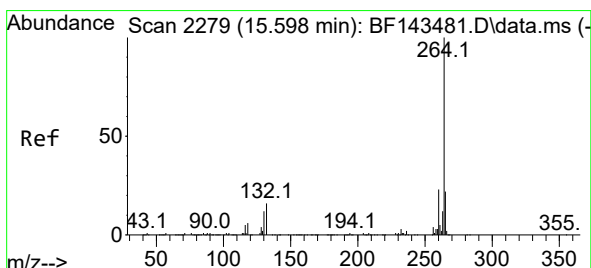
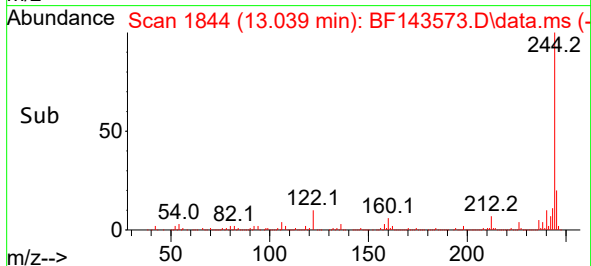
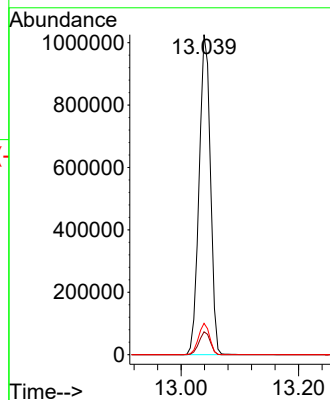
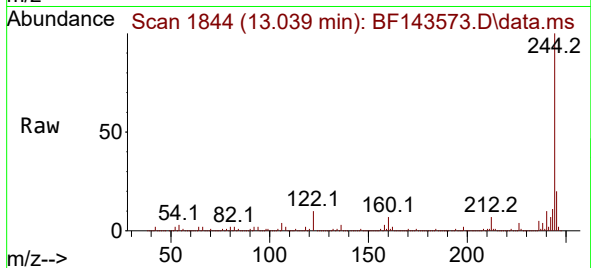
Tgt Ion:244 Resp: 1365932

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

