

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142660.D
 Acq On : 06 Jun 2025 22:01
 Operator : RC/JU
 Sample : Q2202-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12-20250603

Quant Time: Jun 06 22:58:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

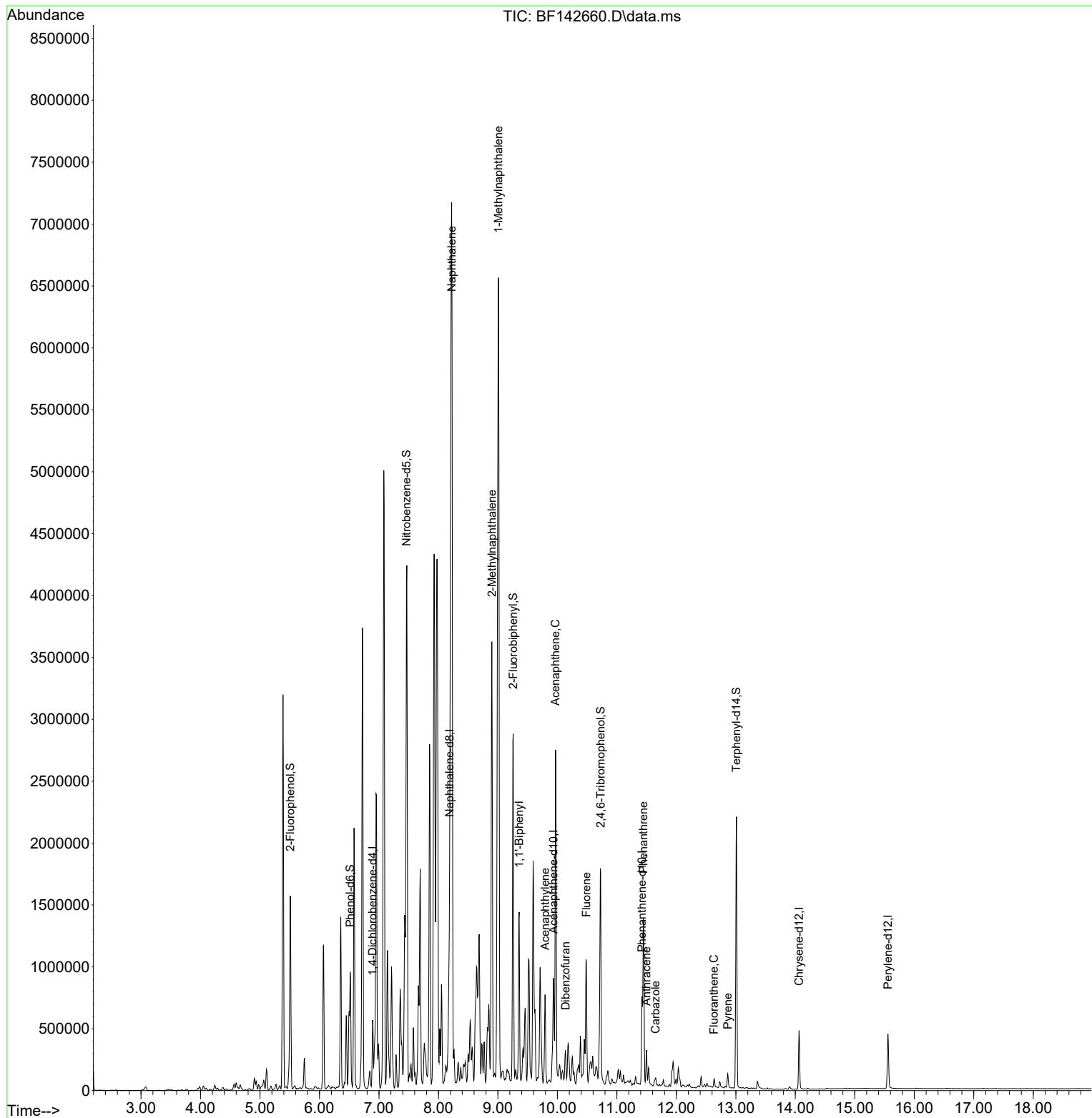
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	126541	20.000	ng	-0.01
21) Naphthalene-d8	8.186	136	428600	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	250553	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	375437	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233261	20.000	ng	-0.01
86) Perylene-d12	15.557	264	275077	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	539724	71.858	ng	0.00
7) Phenol-d6	6.516	99	451300	49.915	ng	-0.02
23) Nitrobenzene-d5	7.463	82	592357	75.363	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	335241	120.555	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1312400	70.287	ng	-0.01
79) Terphenyl-d14	13.010	244	1102040	64.562	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.222	128	7139432	338.297	ng	96
37) 2-Methylnaphthalene	8.898	142	1489214	112.165	ng	99
38) 1-Methylnaphthalene	9.010	142	3497504	254.671	ng	100
46) 1,1'-Biphenyl	9.357	154	637290	32.785	ng	99
49) Acenaphthylene	9.792	152	85248	3.515	ng	# 56
52) Acenaphthene	9.969	154	843693	56.975	ng	99
55) Dibenzofuran	10.139	168	61249	2.874	ng	# 94
58) Fluorene	10.486	166	424499	25.786	ng	99
71) Phenanthrene	11.445	178	743192	37.041	ng	100
72) Anthracene	11.498	178	157269	7.680	ng	99
73) Carbazole	11.651	167	37988	2.170	ng	98
75) Fluoranthene	12.633	202	38388	2.048	ng	99
78) Pyrene	12.863	202	66825	3.071	ng	98

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

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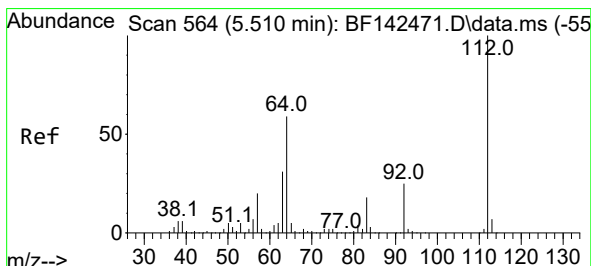
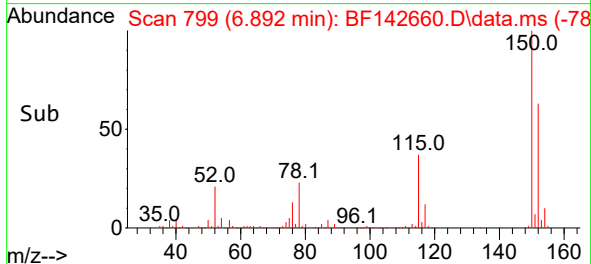
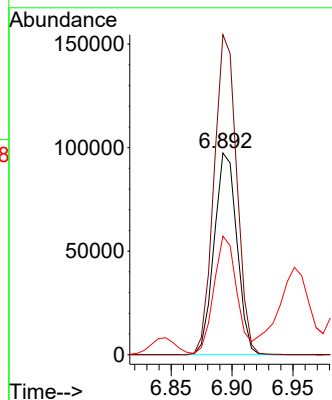
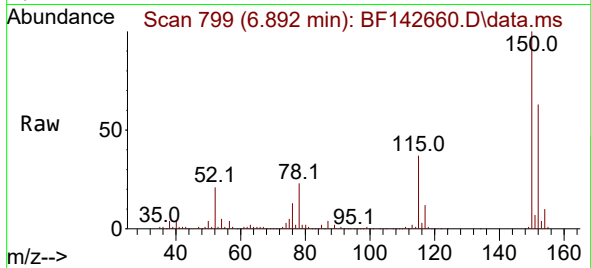




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

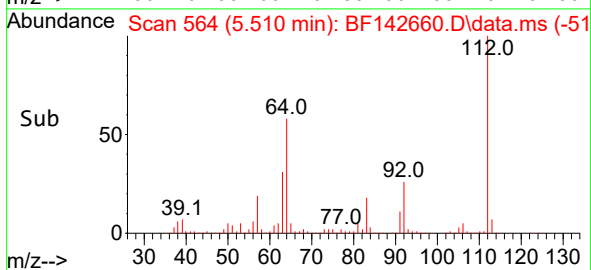
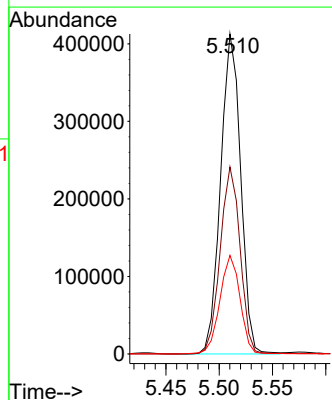
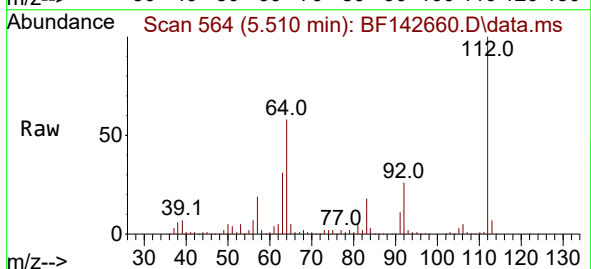
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

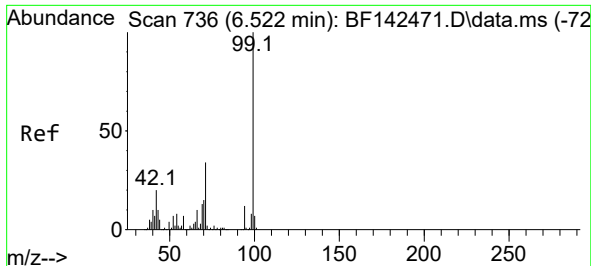
Tgt Ion:152 Resp: 126541
Ion Ratio Lower Upper
152 100
150 158.6 128.2 192.4
115 58.8 48.3 72.5



#5
2-Fluorophenol
Concen: 71.858 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:112 Resp: 539724
Ion Ratio Lower Upper
112 100
64 58.5 47.5 71.3
63 30.8 24.9 37.3

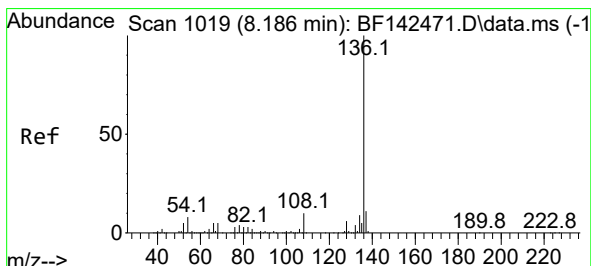
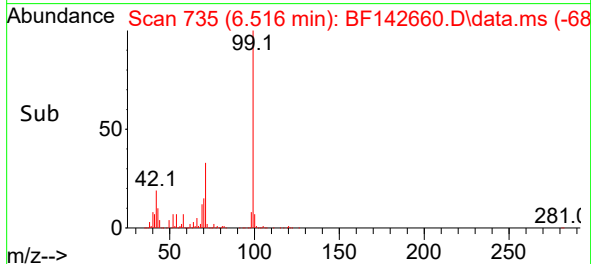
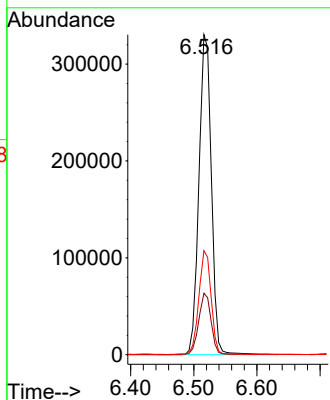
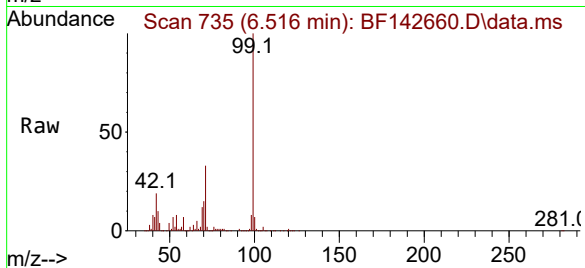




#7
Phenol-d6
Concen: 49.915 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

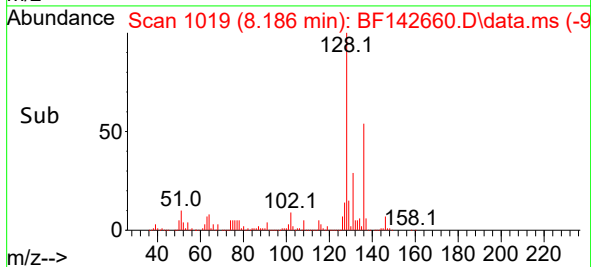
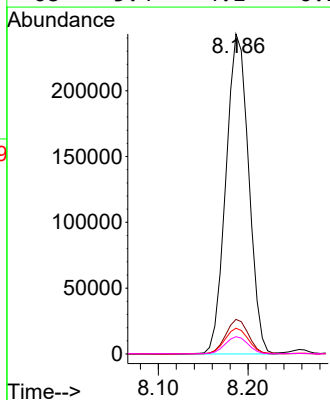
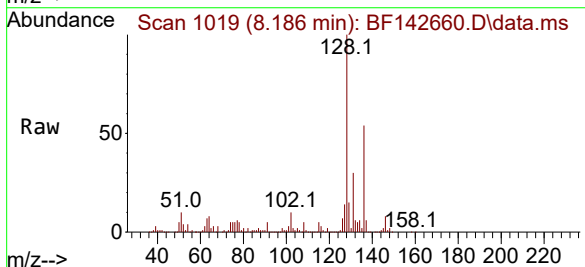
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

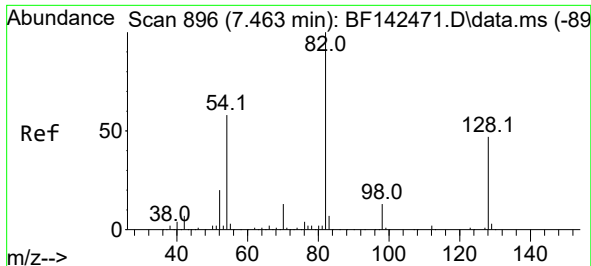
Tgt Ion: 99 Resp: 451300
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 32.5 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion: 136 Resp: 428600
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 75.363 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

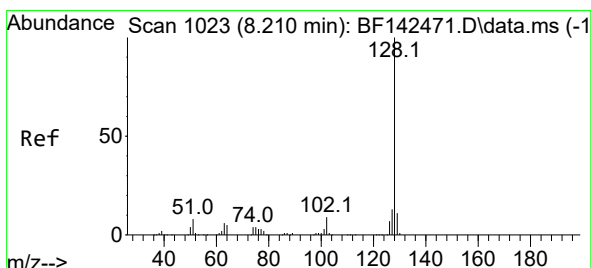
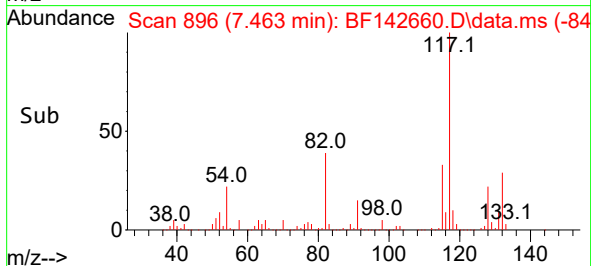
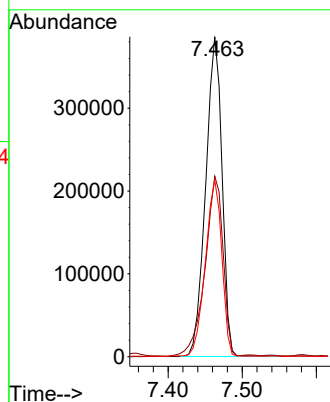
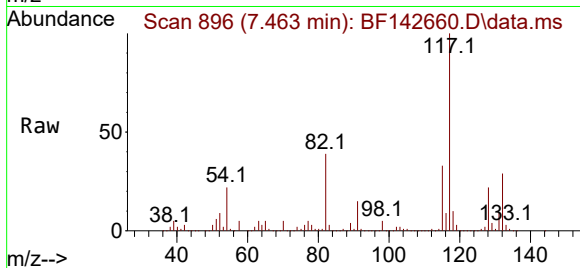
Tgt Ion: 82 Resp: 592357

Ion Ratio Lower Upper

82 100

128 56.4 37.4 56.2#

54 55.3 46.6 70.0



#31

Naphthalene

Concen: 338.297 ng

RT: 8.222 min Scan# 1025

Delta R.T. 0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

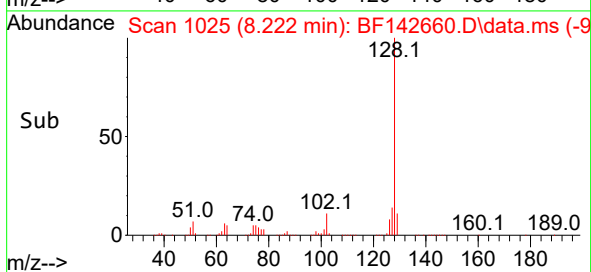
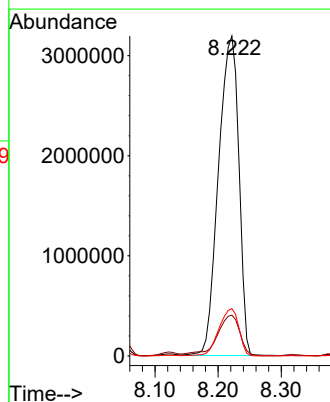
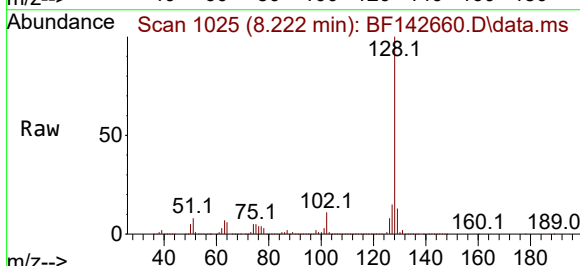
Tgt Ion:128 Resp: 7139432

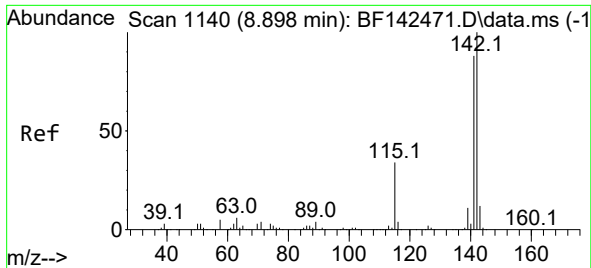
Ion Ratio Lower Upper

128 100

129 12.8 8.9 13.3

127 14.8 10.5 15.7

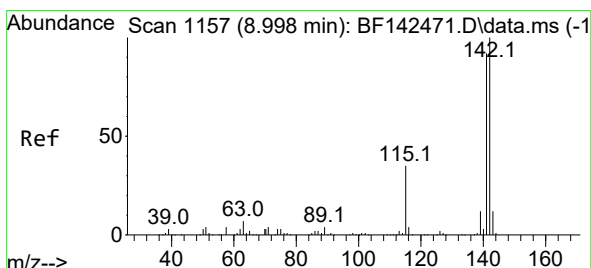
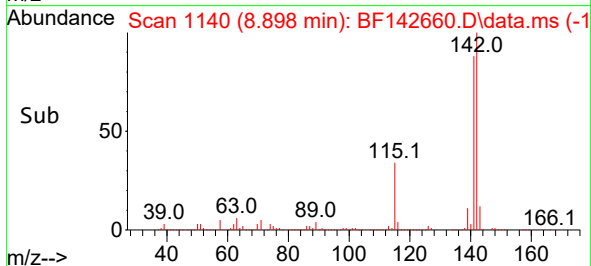
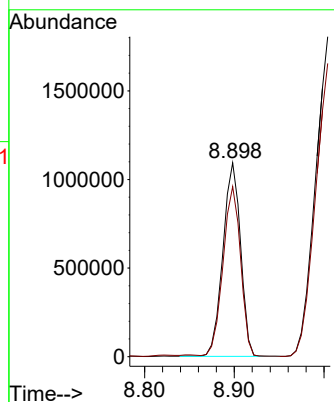
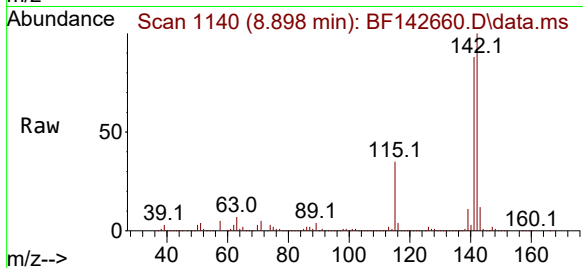




#37
2-Methylnaphthalene
Concen: 112.165 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

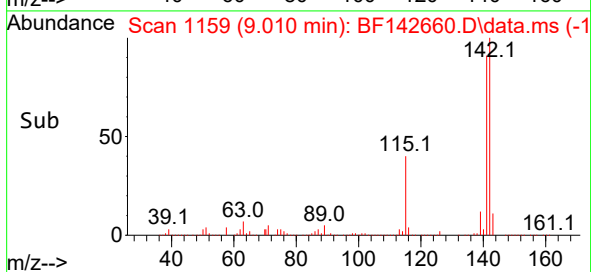
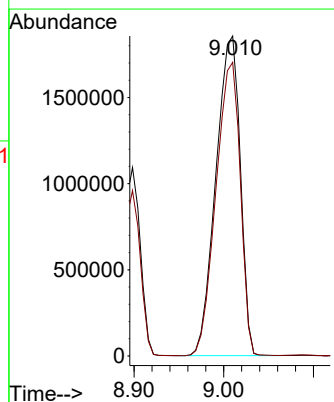
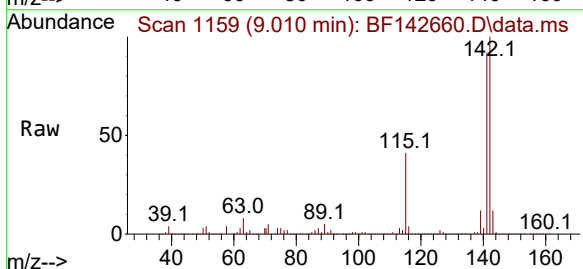
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

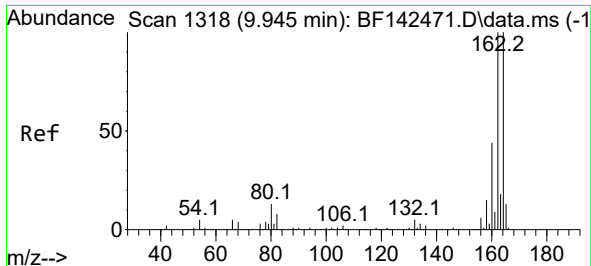
Tgt Ion:142 Resp: 1489214
Ion Ratio Lower Upper
142 100
141 87.8 70.7 106.1



#38
1-Methylnaphthalene
Concen: 254.671 ng
RT: 9.010 min Scan# 1159
Delta R.T. 0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:142 Resp: 3497504
Ion Ratio Lower Upper
142 100
141 91.8 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

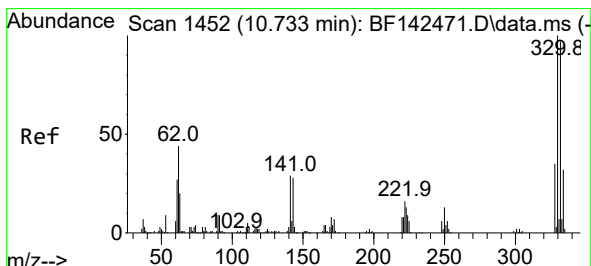
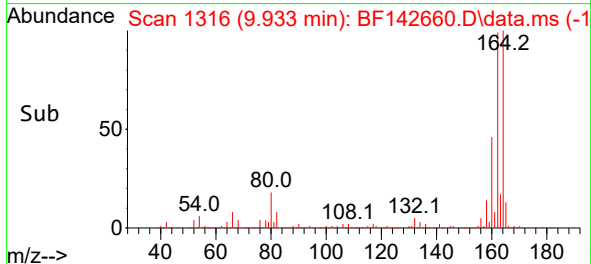
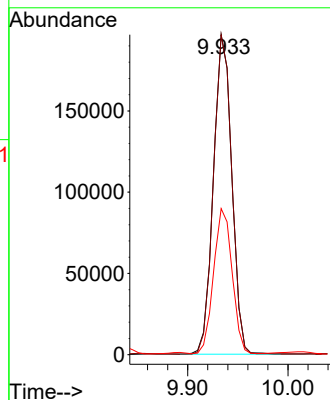
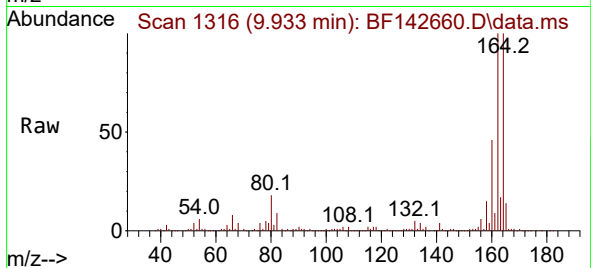
Tgt Ion:164 Resp: 250553

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

160 45.7 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 120.555 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

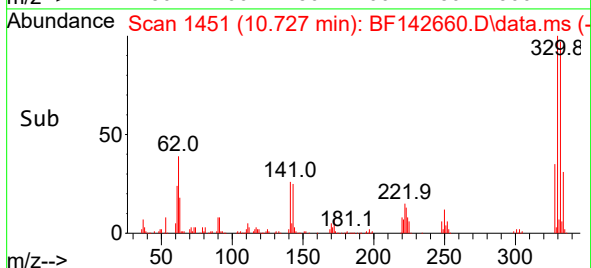
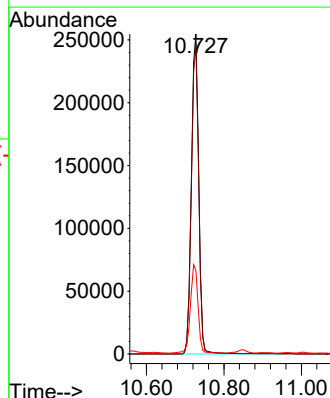
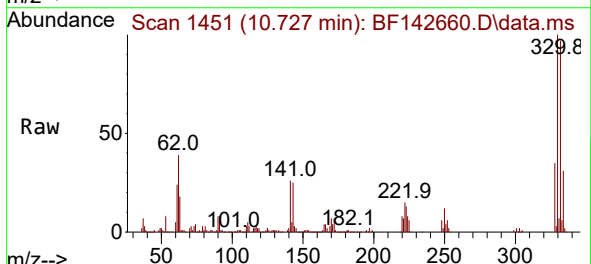
Tgt Ion:330 Resp: 335241

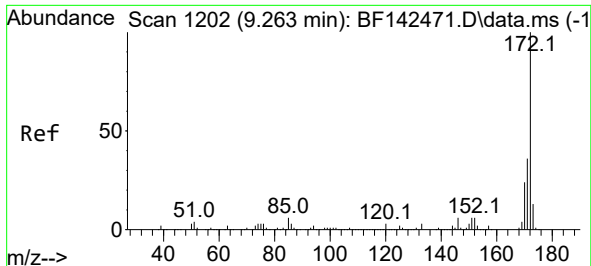
Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 28.6 24.6 36.8

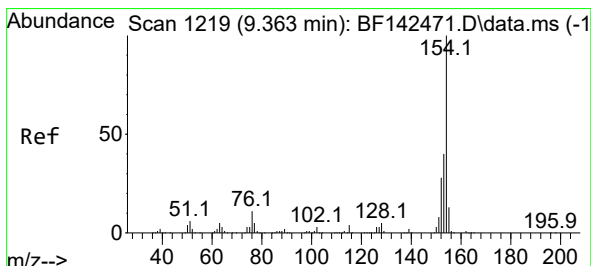
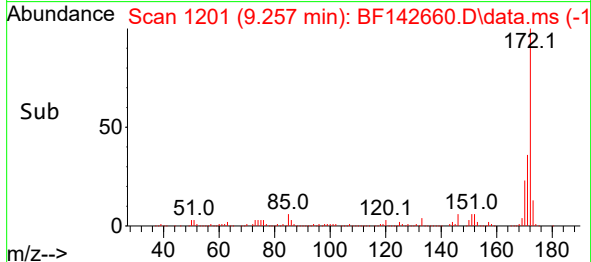
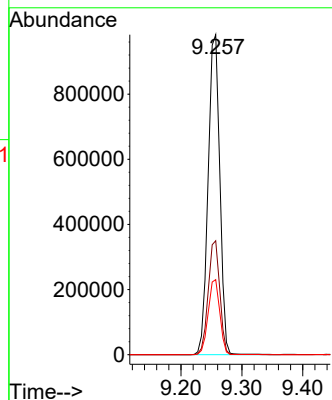
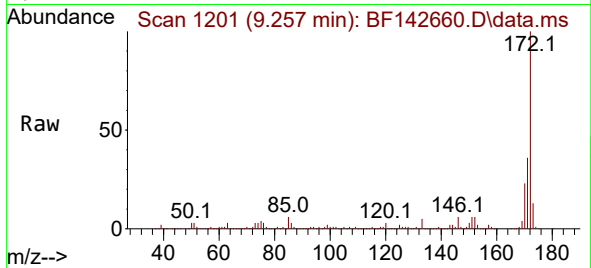




#45
2-Fluorobiphenyl
Concen: 70.287 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

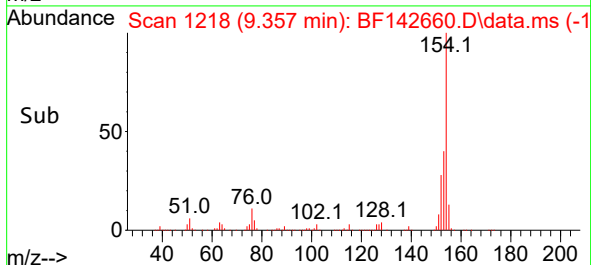
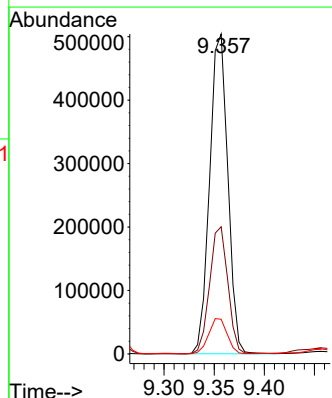
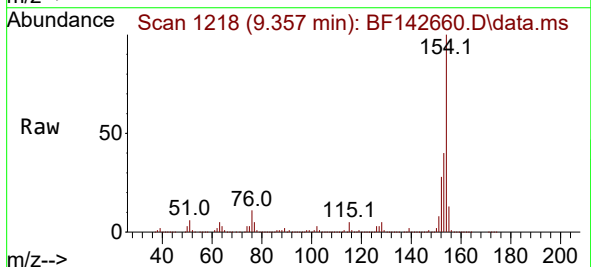
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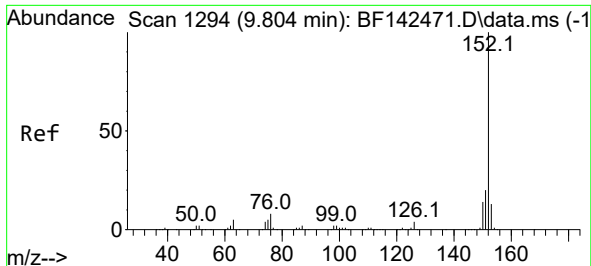
Tgt Ion:172 Resp: 1312400
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.4 18.9 28.3



#46
1,1'-Biphenyl
Concen: 32.785 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:154 Resp: 637290
Ion Ratio Lower Upper
154 100
153 39.8 20.4 60.4
76 10.9 0.0 30.8

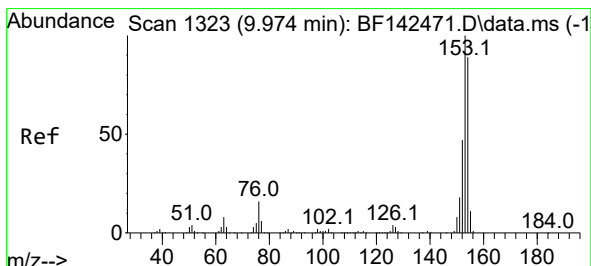
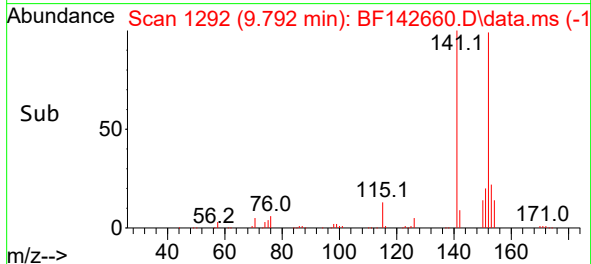
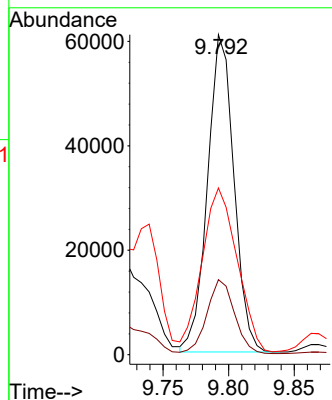
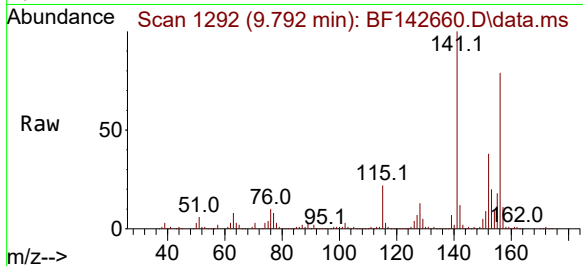




#49
Acenaphthylene
Concen: 3.515 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

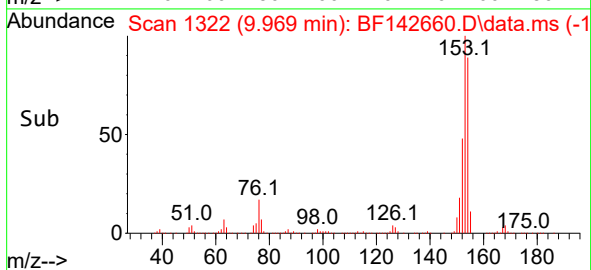
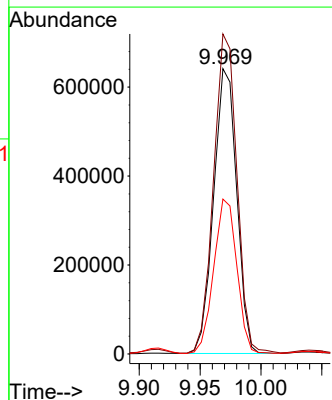
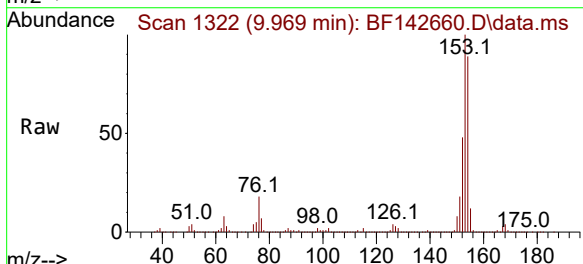
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

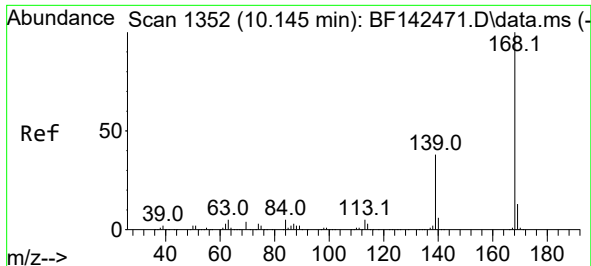
Tgt Ion:152 Resp: 85248
Ion Ratio Lower Upper
152 100
151 23.5 15.8 23.8
153 52.1 10.6 15.8#



#52
Acenaphthene
Concen: 56.975 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:154 Resp: 843693
Ion Ratio Lower Upper
154 100
153 112.2 90.0 135.0
152 54.3 42.6 64.0

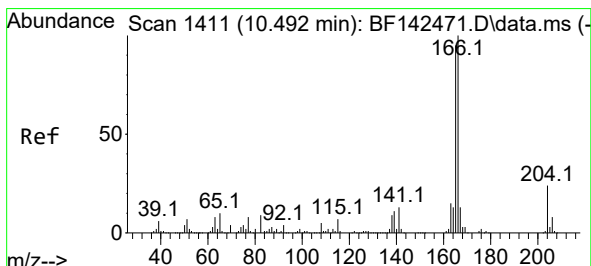
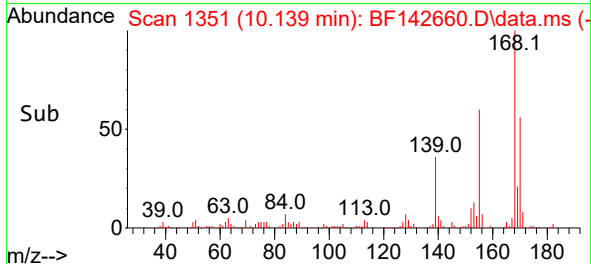
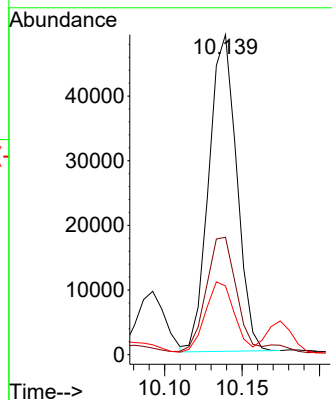
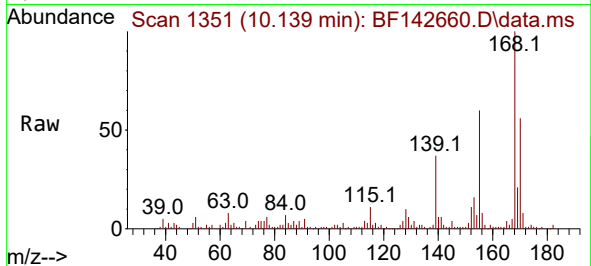




#55
Dibenzenofuran
Concen: 2.874 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

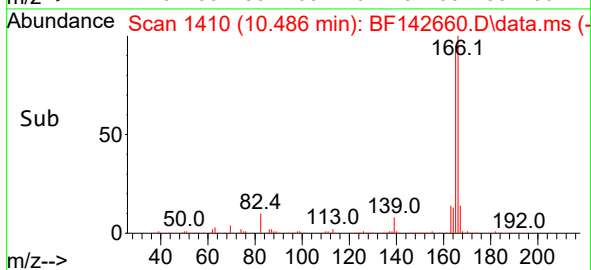
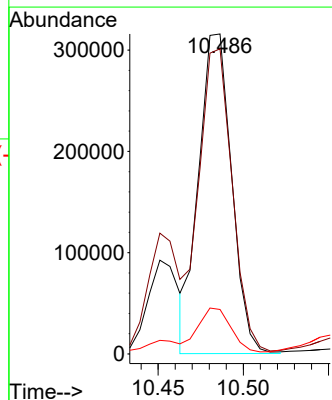
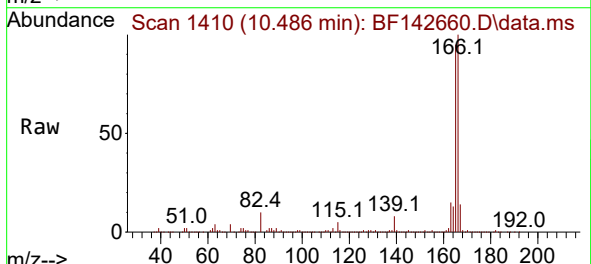
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

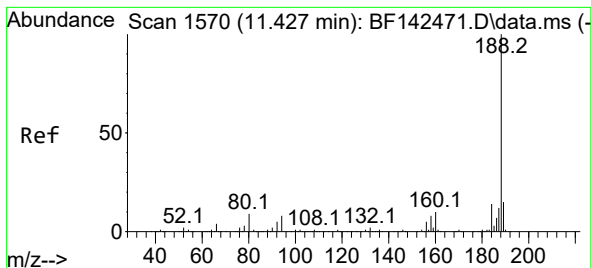
Tgt Ion:168 Resp: 61249
Ion Ratio Lower Upper
168 100
139 36.7 30.2 45.2
169 21.5 10.7 16.1#



#58
Fluorene
Concen: 25.786 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:166 Resp: 424499
Ion Ratio Lower Upper
166 100
165 95.4 75.8 113.8
167 13.9 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

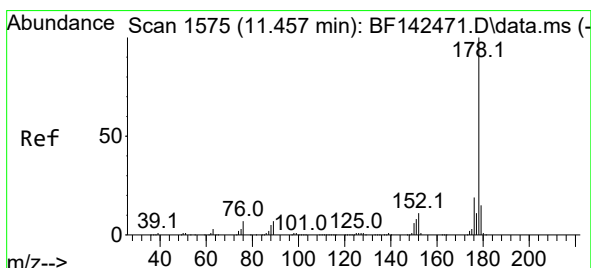
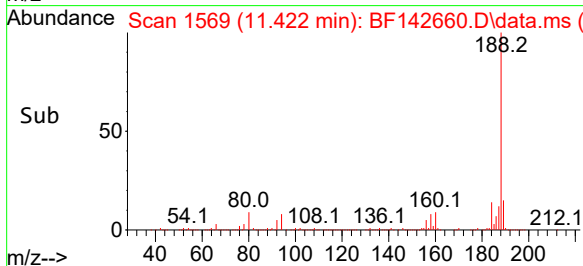
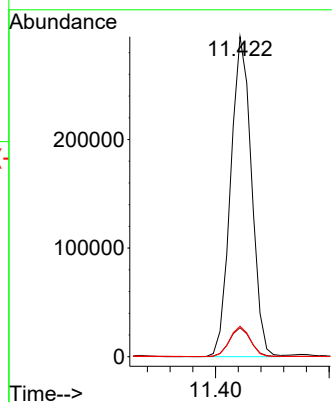
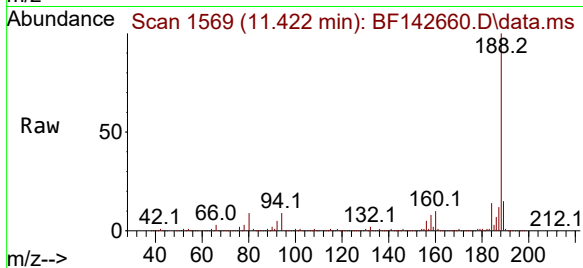
Tgt Ion:188 Resp: 375437

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.5 7.4 11.0



#71

Phenanthrene

Concen: 37.041 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

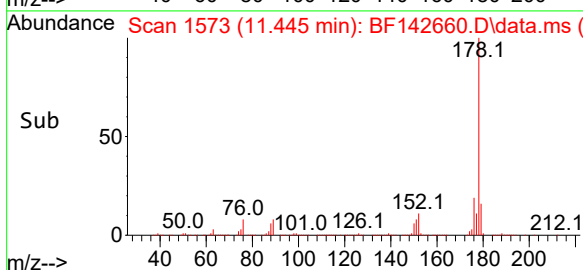
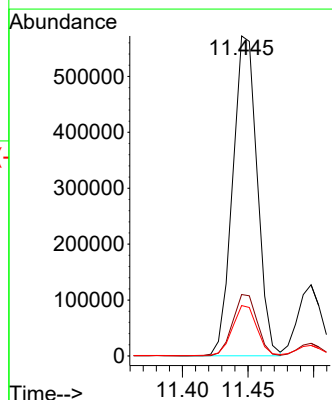
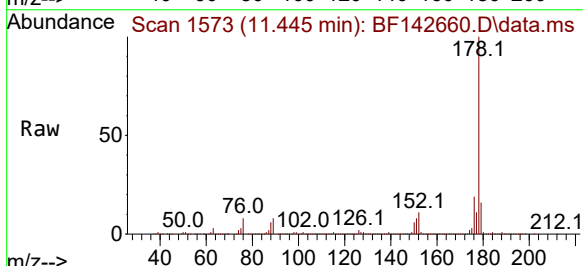
Tgt Ion:178 Resp: 743192

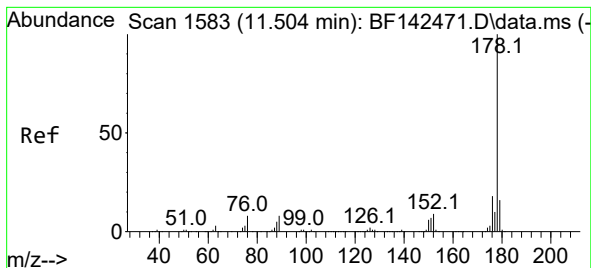
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.8 12.3 18.5





#72

Anthracene

Concen: 7.680 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

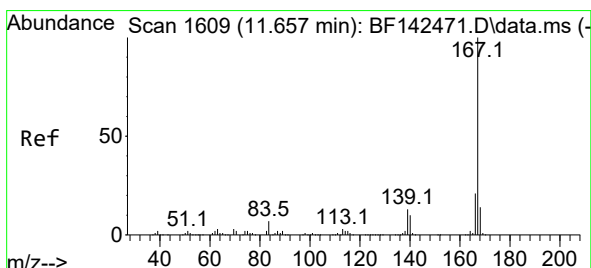
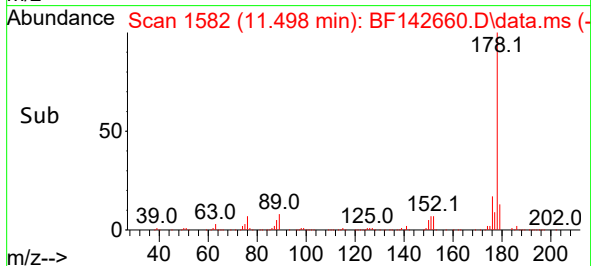
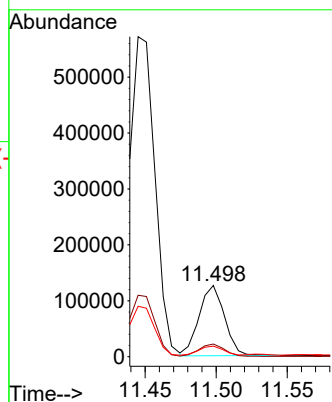
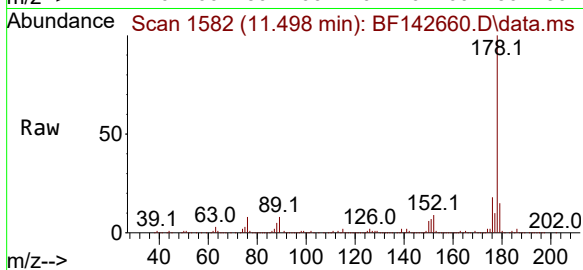
Tgt Ion:178 Resp: 157269

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

179 15.0 12.4 18.6



#73

Carbazole

Concen: 2.170 ng

RT: 11.651 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

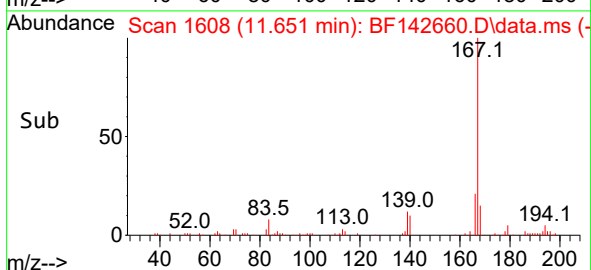
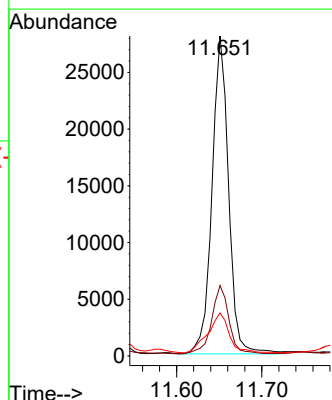
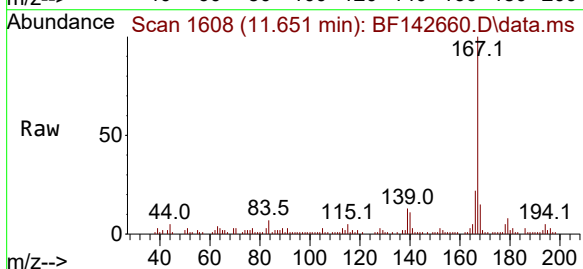
Tgt Ion:167 Resp: 37988

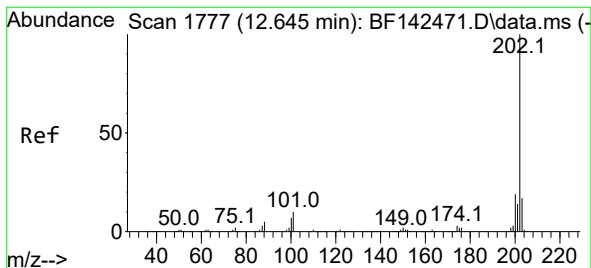
Ion Ratio Lower Upper

167 100

166 22.0 16.9 25.3

139 13.4 10.2 15.4





#75

Fluoranthene

Concen: 2.048 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

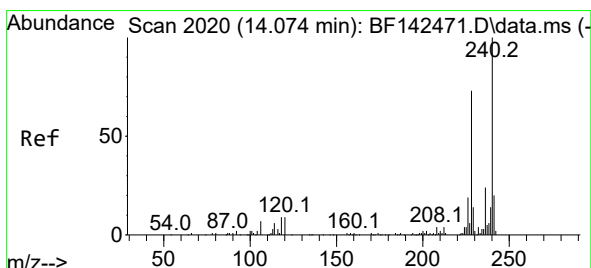
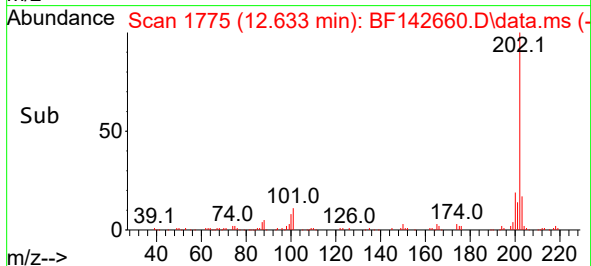
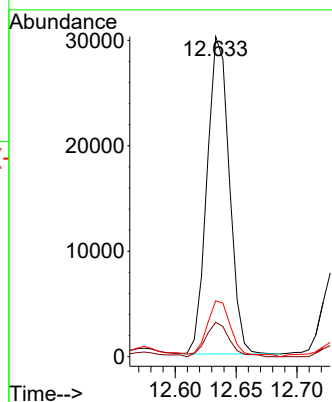
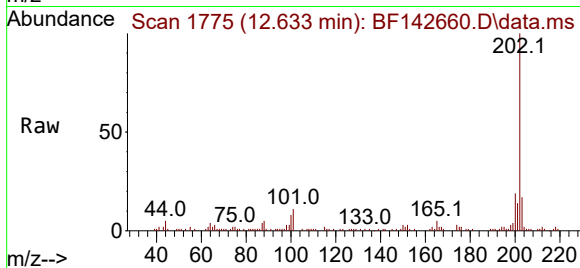
Tgt Ion:202 Resp: 38388

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.6

203 17.4 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

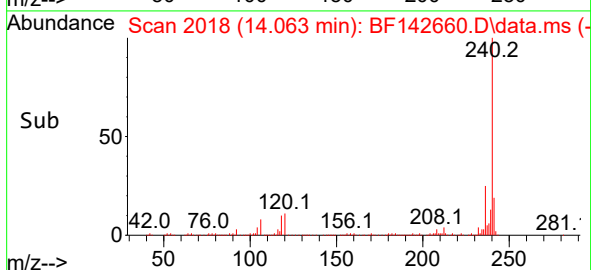
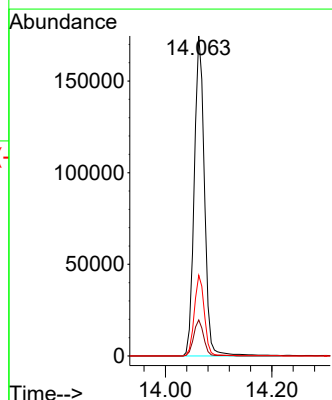
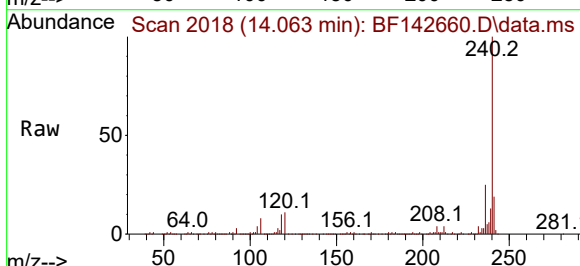
Tgt Ion:240 Resp: 233261

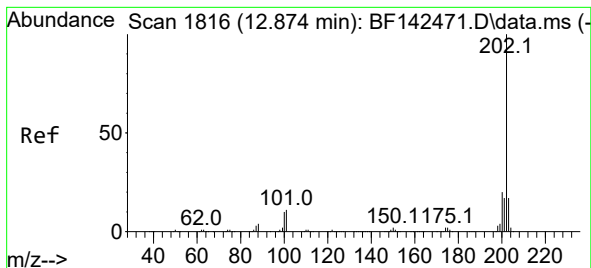
Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

236 25.2 19.6 29.4





#78

Pyrene

Concen: 3.071 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

Instrument :

BNA_F

ClientSampleId :

MW-12-20250603

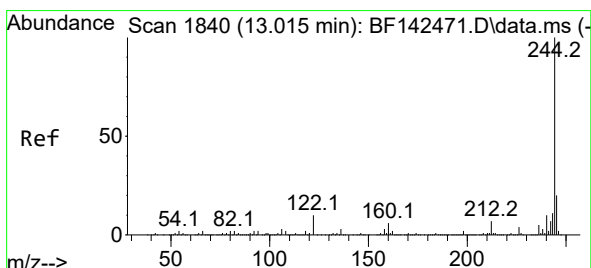
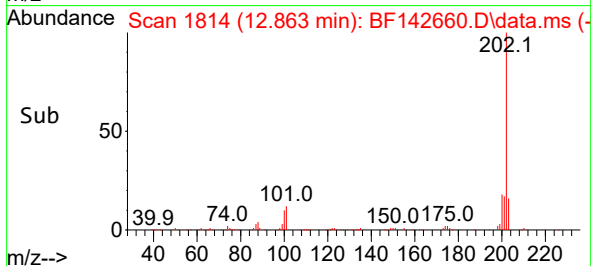
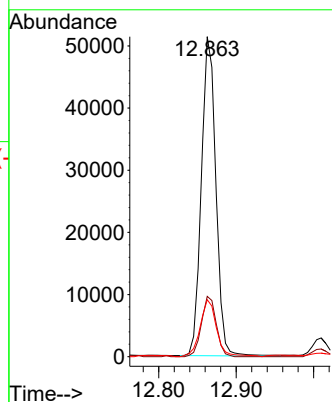
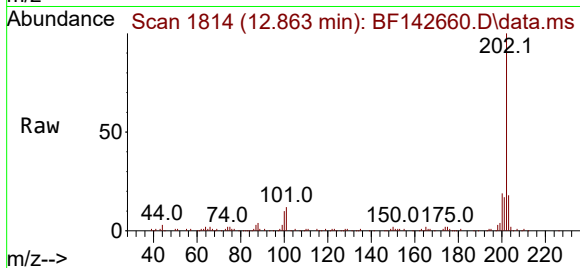
Tgt Ion:202 Resp: 66825

Ion Ratio Lower Upper

202 100

200 18.8 16.1 24.1

203 17.8 13.9 20.9



#79

Terphenyl-d14

Concen: 64.562 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

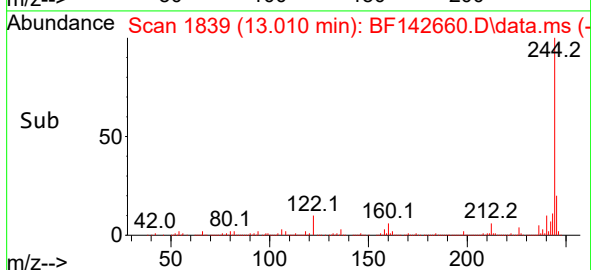
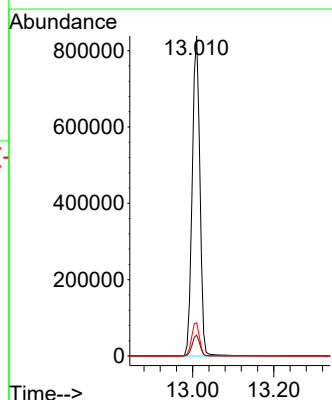
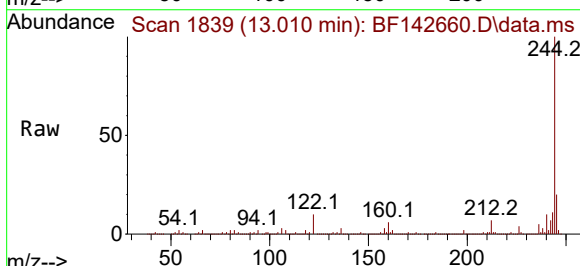
Tgt Ion:244 Resp: 1102040

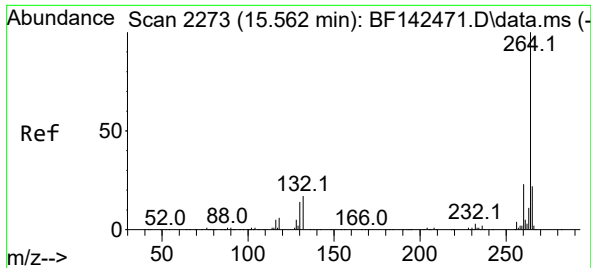
Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

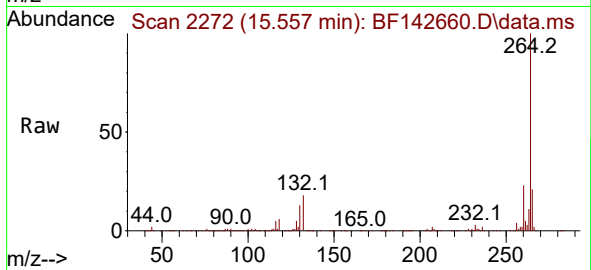
122 10.4 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142660.D
 Acq: 06 Jun 2025 22:01

Instrument :
 BNA_F
 ClientSampleId :
 MW-12-20250603



Tgt Ion:264 Resp: 275077
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.4 17.7 26.5

