

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)

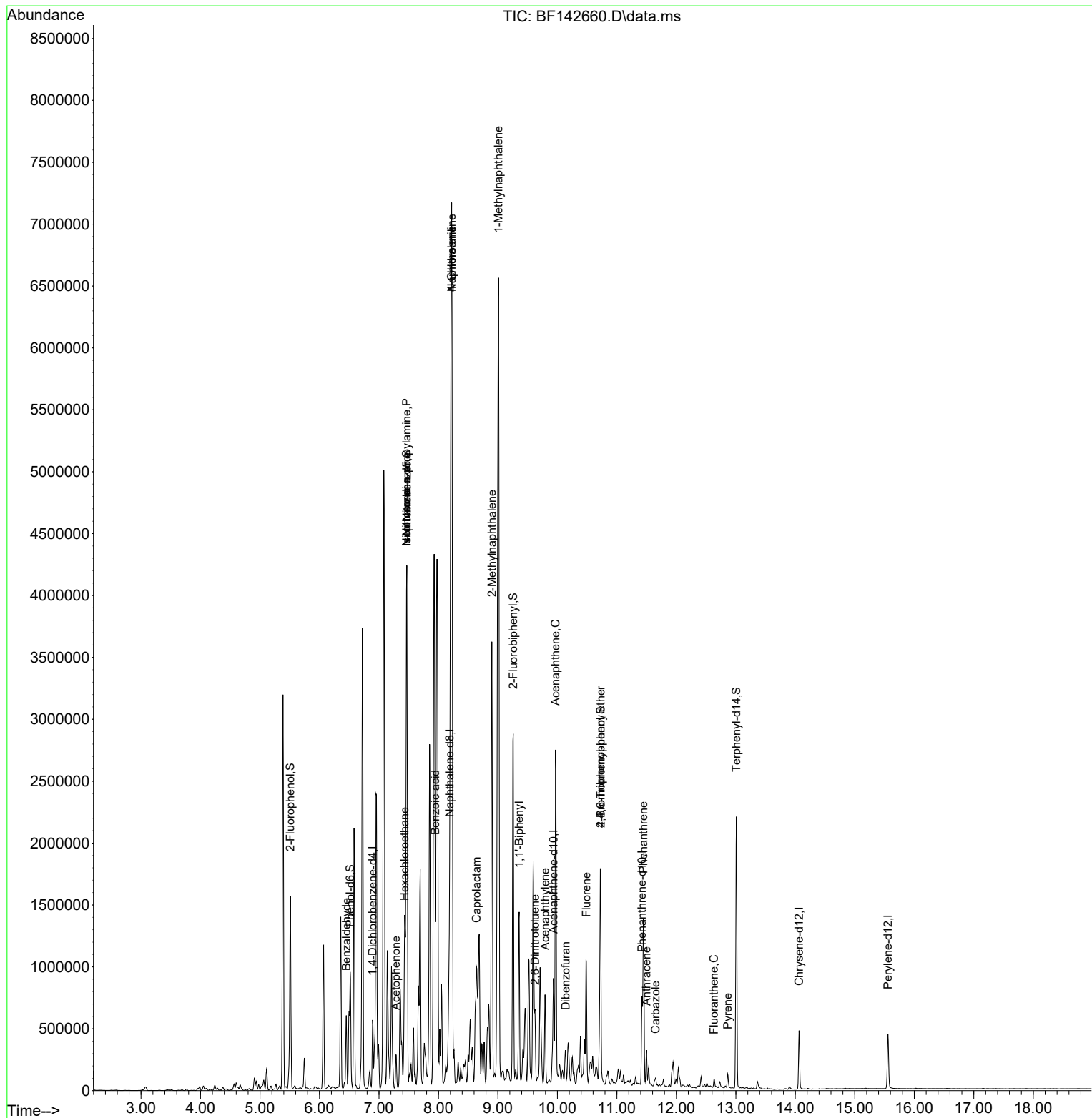
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	126541	20.000	ng	-0.01
21) Naphthalene-d8	8.186	136	428600	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	250553	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	375437	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233261	20.000	ng	-0.01
86) Perylene-d12	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
9) Benzaldehyde	6.451	77	35307	6.493	ng	# 1
18) Hexachloroethane	7.428	117	174206	54.254	ng	# 1
19) n-Nitroso-di-n-propyla...	7.463	70	80917	14.441	ng	# 82
22) Acetophenone	7.287	105	146760	15.468	ng	# 53
24) Nitrobenzene	7.469	77	74065	10.448	ng	# 1
25) Isophorone	7.463	82	523333	39.823	ng	# 63
31) Naphthalene	8.222	128	7139432	338.297	ng	96
32) Benzoic acid	7.945	122	10437	2.567	ng	# 1
33) 4-Chloroaniline	8.222	127	1043359	122.009	ng	# 32
35) Caprolactam	8.639	113	4132	2.422	ng	# 6
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
51) 2,6-Dinitrotoluene	9.628	165	18211	5.104	ng	# 84
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
67) 4-Bromophenyl-phenylether	10.727	248	20606	4.642	ng	# 1
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

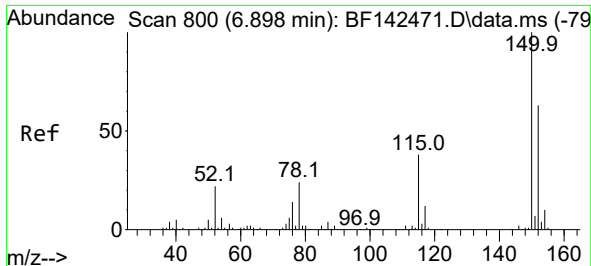
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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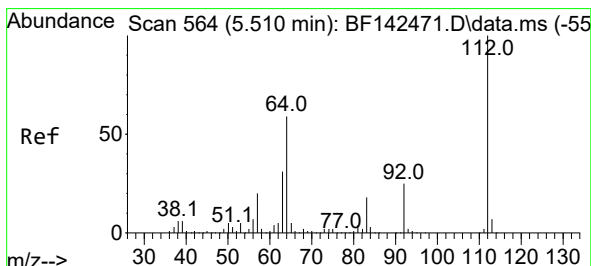
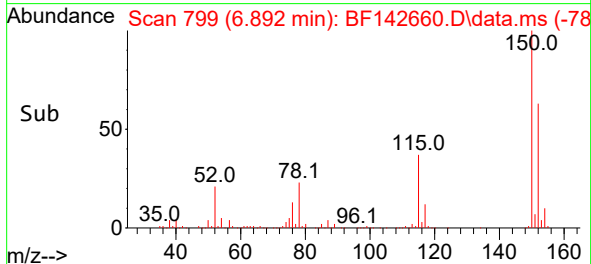
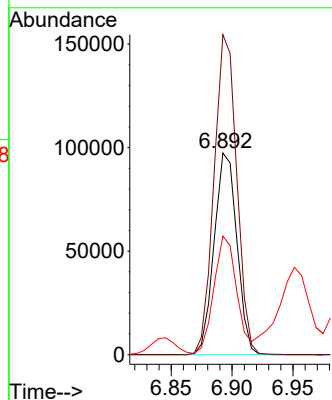
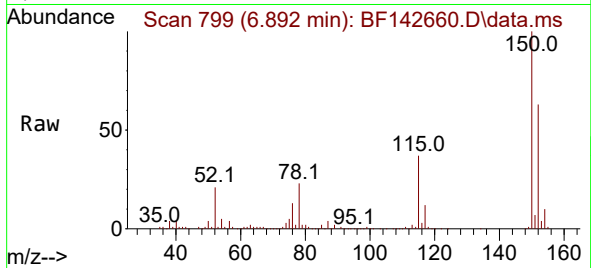




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

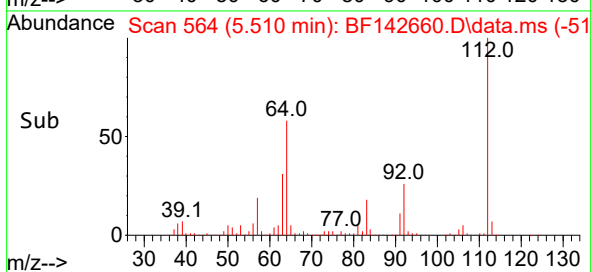
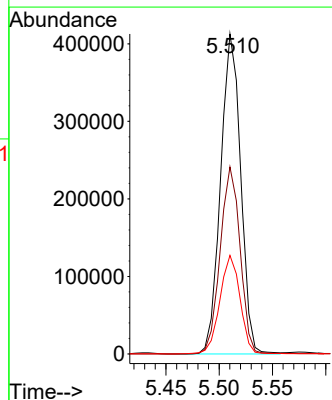
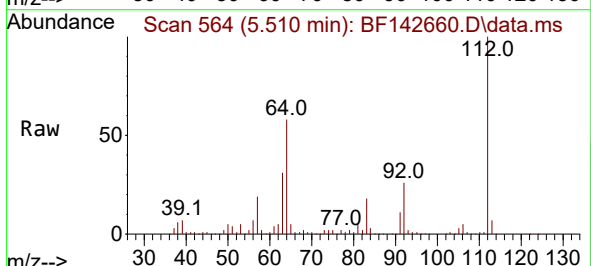
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

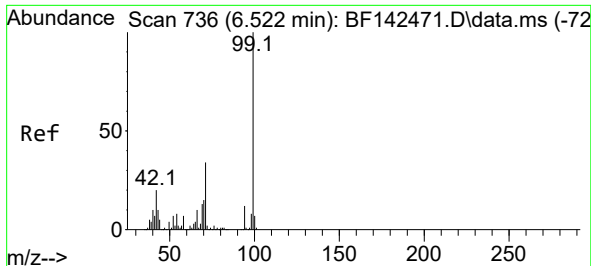
Tgt Ion:152 Resp: 126541
Ion Ratio Lower Upper
152 100
150 158.6 128.2 192.4
115 58.8 48.3 72.5



#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

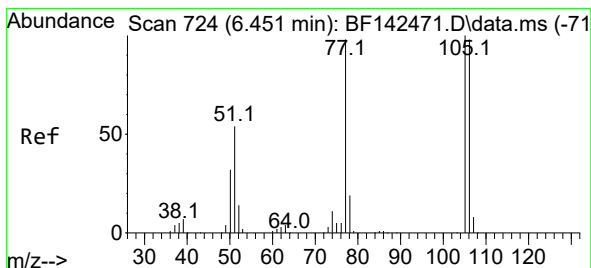
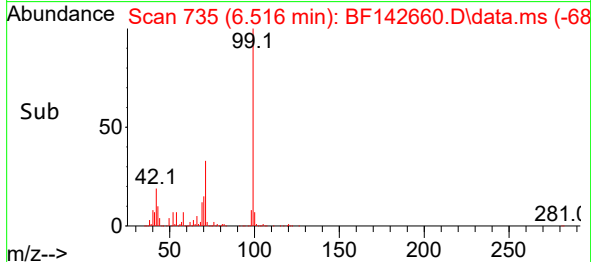
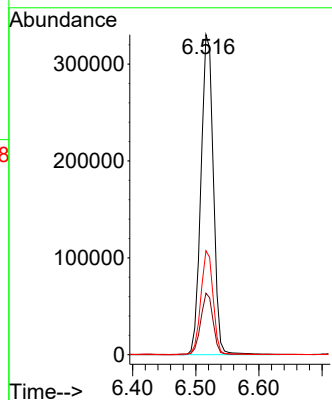
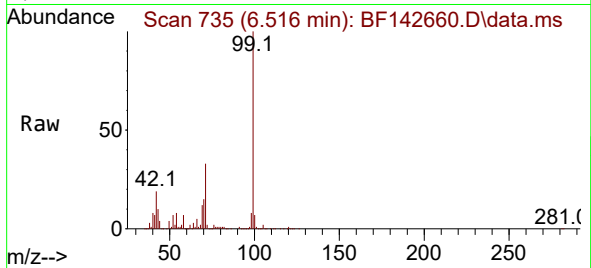




#7
Phenol-d6
Concen: 49.915 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

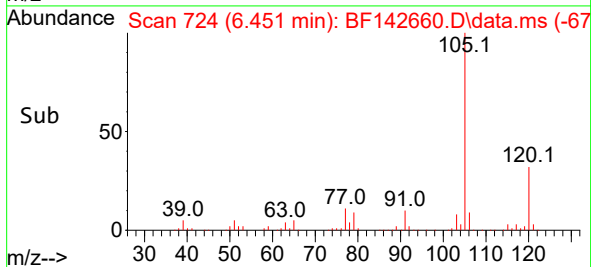
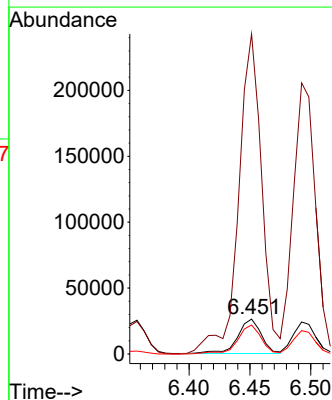
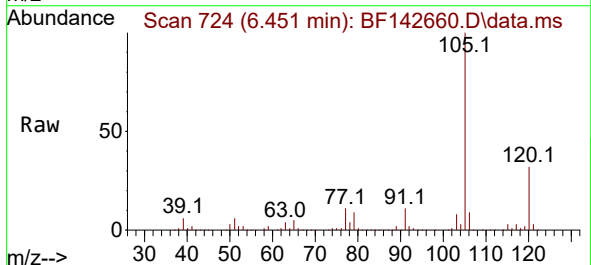
Instrument :
BNA_F
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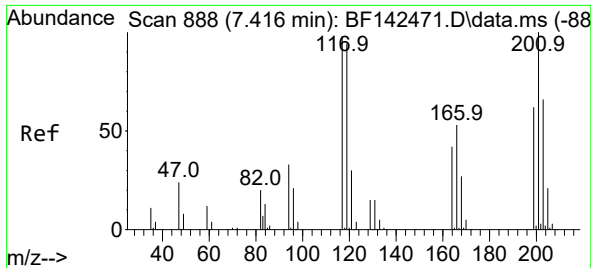
Tgt Ion: 99 Resp: 451300
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 32.5 27.3 40.9



#9
Benzaldehyde
Concen: 6.493 ng
RT: 6.451 min Scan# 724
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion: 77 Resp: 35307
Ion Ratio Lower Upper
77 100
105 917.8 82.5 122.5#
106 83.1 80.0 120.0

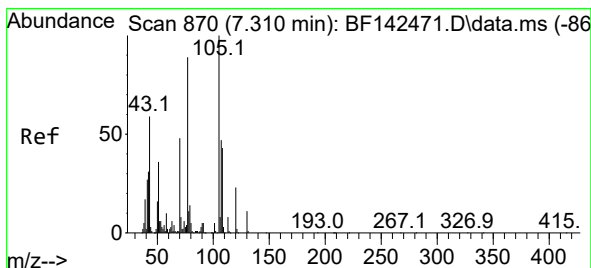
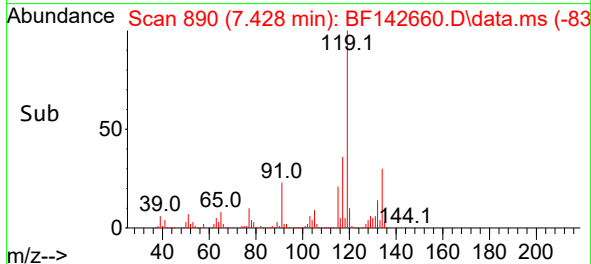
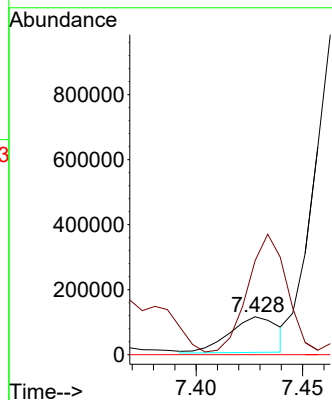
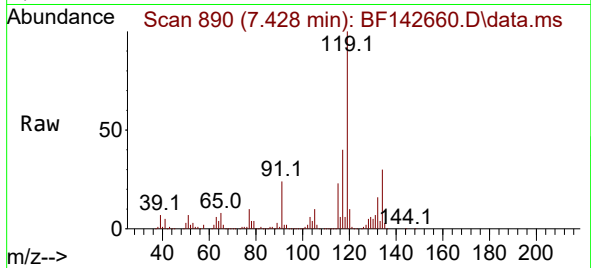




#18
Hexachloroethane
Concen: 54.254 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

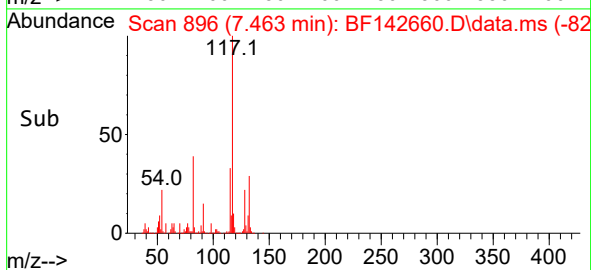
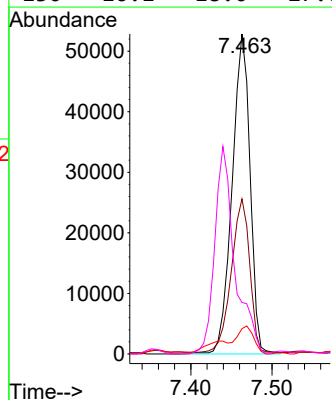
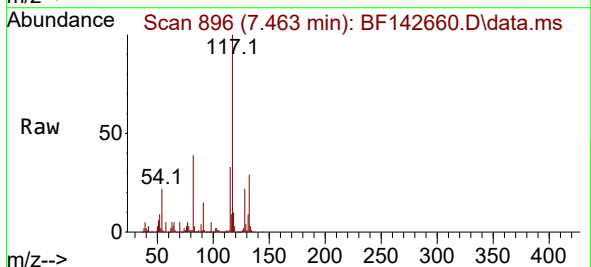
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

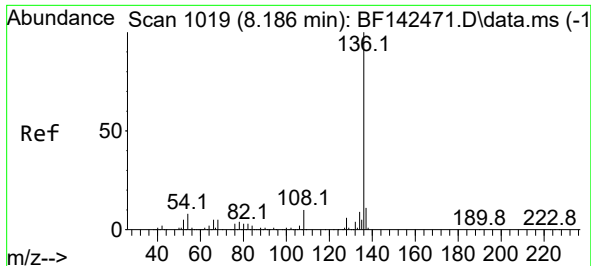
Tgt Ion:117 Resp: 174206
Ion Ratio Lower Upper
117 100
119 247.6 76.6 114.8#
201 0.0 81.3 121.9#



#19
n-Nitroso-di-n-propylamine
Concen: 14.441 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion: 70 Resp: 80917
Ion Ratio Lower Upper
70 100
42 48.4 52.4 78.6#
101 7.9 7.8 11.8
130 16.1 18.0 27.0#

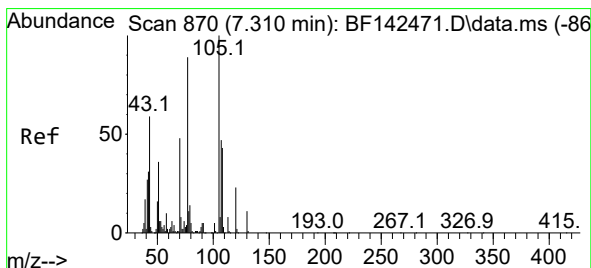
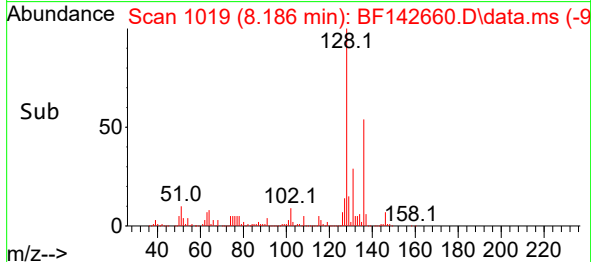
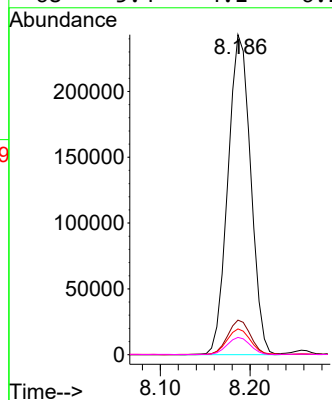
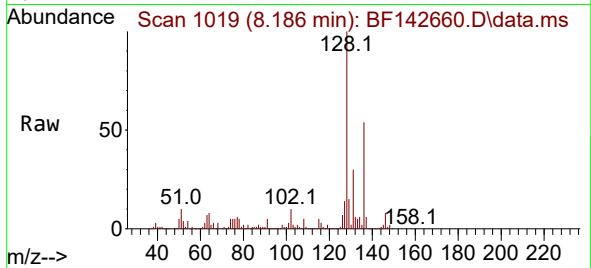




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

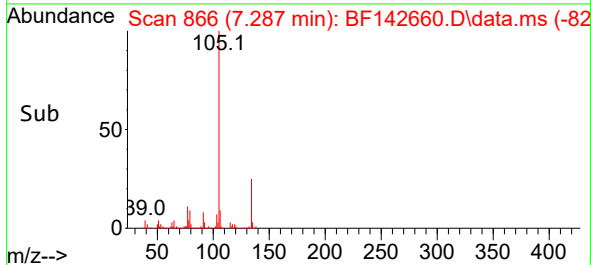
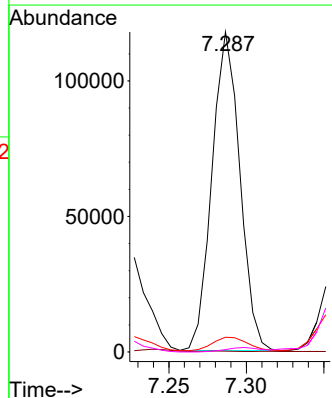
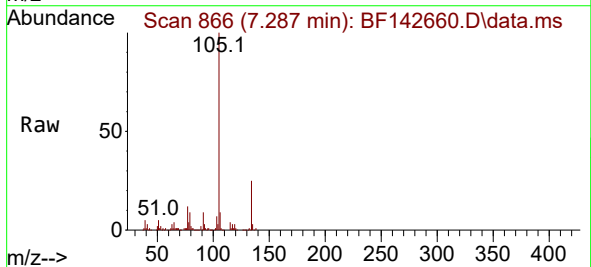
Instrument :
BNA_F
ClientSampleId :
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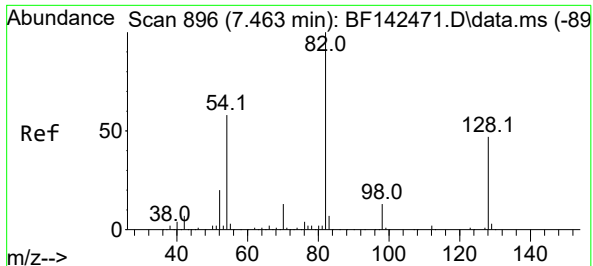
Tgt Ion:136 Resp: 428600
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.0 6.6 10.0
68 5.4 4.1 6.1



#22
Acetophenone
Concen: 15.468 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.029 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:105 Resp: 146760
Ion Ratio Lower Upper
105 100
71 0.3 6.4 9.6#
51 4.6 28.6 42.8#
120 0.7 18.5 27.7#





#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

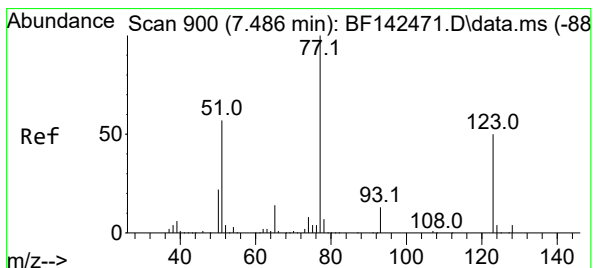
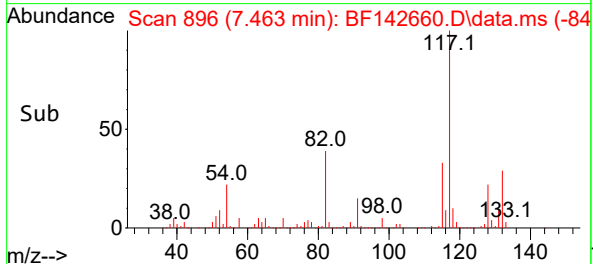
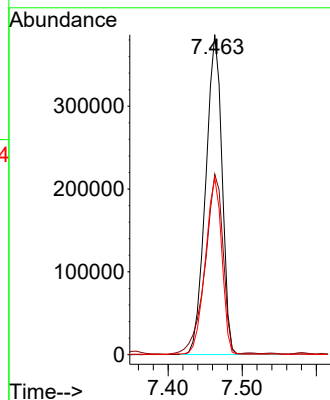
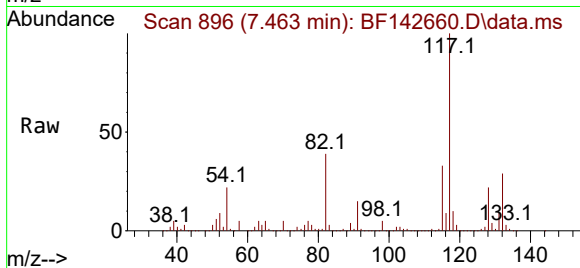
Tgt Ion: 82 Resp: 592357

Ion Ratio Lower Upper

82 100

128 56.4 37.4 56.2#

54 55.3 46.6 70.0



#24

Nitrobenzene

Concen: 10.448 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.023 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

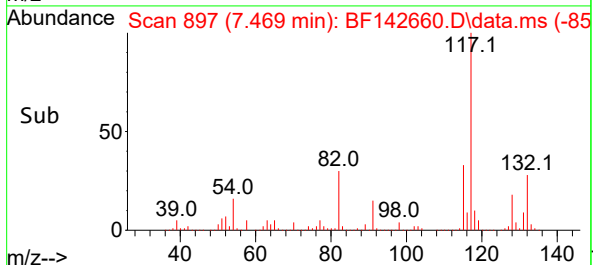
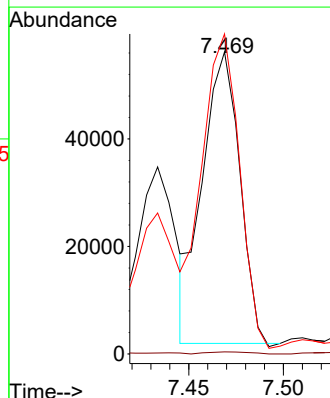
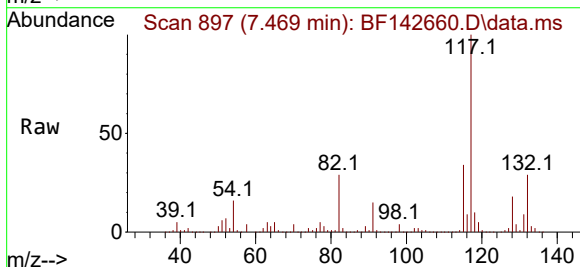
Tgt Ion: 77 Resp: 74065

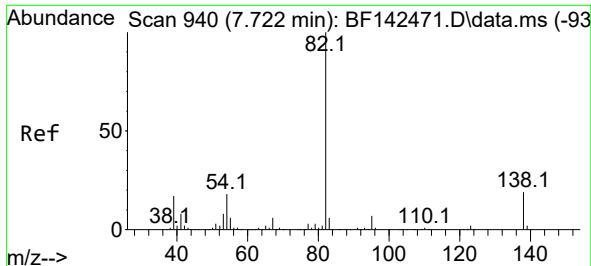
Ion Ratio Lower Upper

77 100

123 0.7 40.6 61.0#

65 105.9 11.4 17.2#

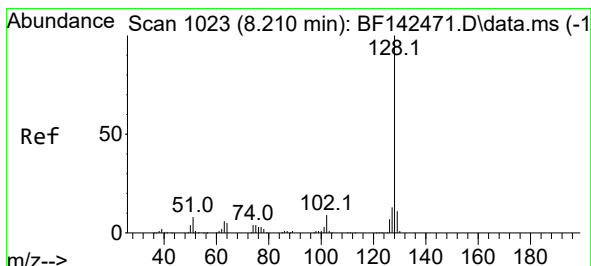
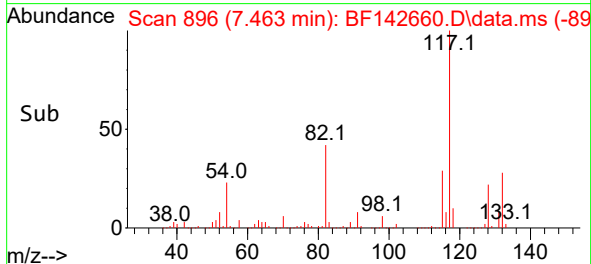
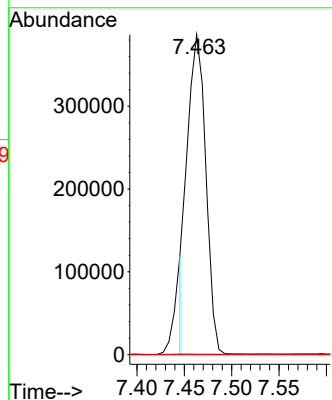
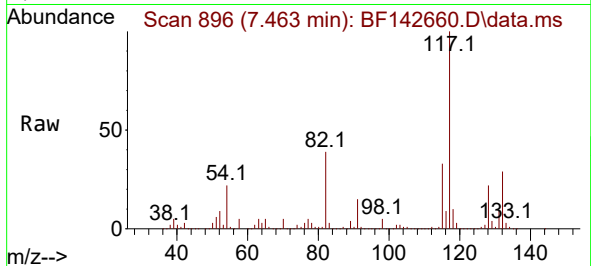




#25
Isophorone
Concen: 39.823 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

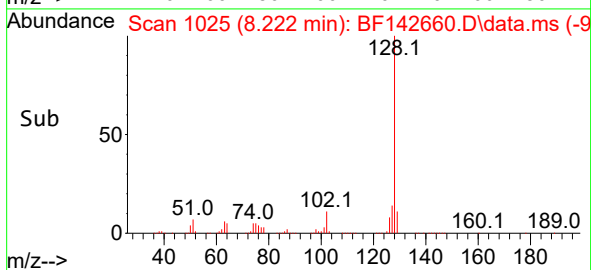
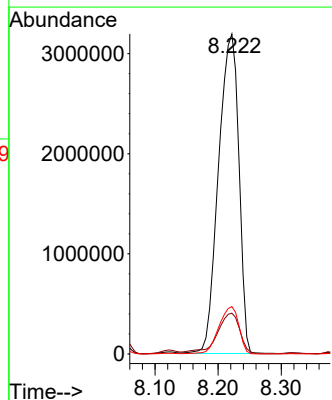
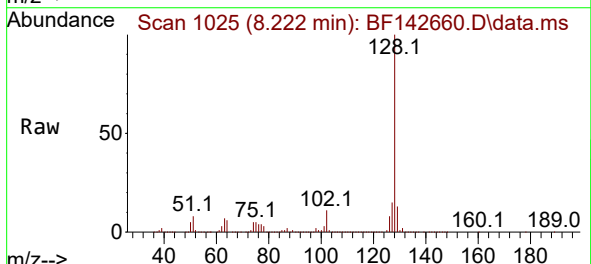
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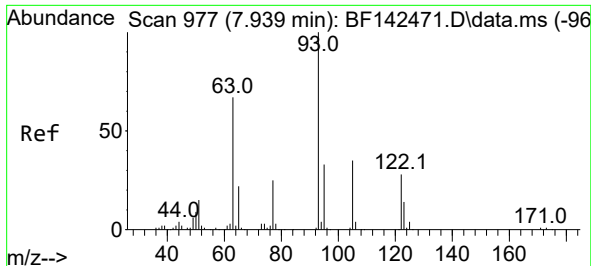
Tgt Ion: 82 Resp: 523333
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.5 23.3#



#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

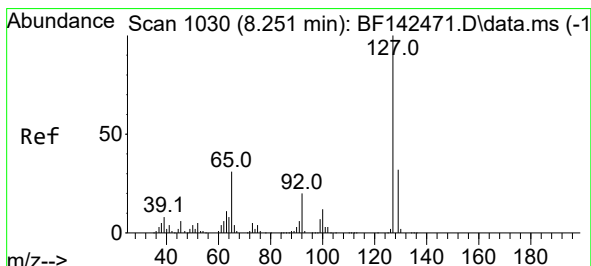
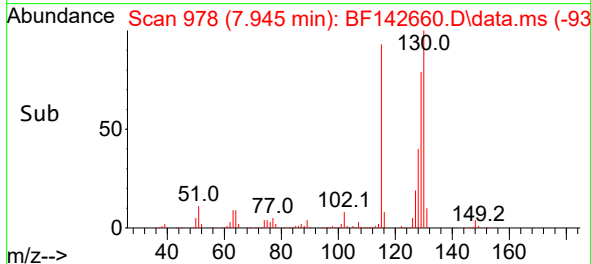
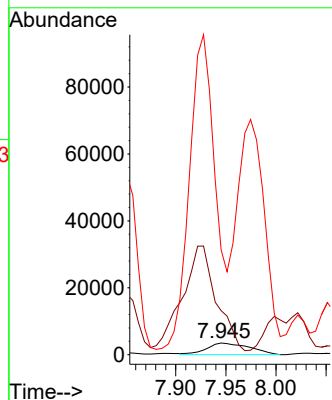
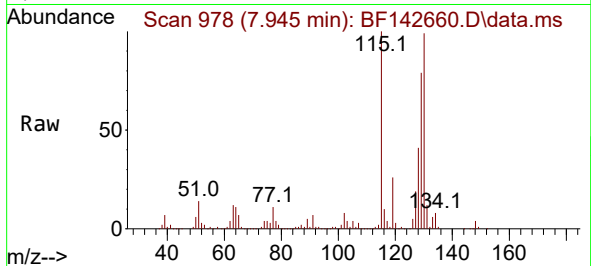




#32
Benzoic acid
Concen: 2.567 ng
RT: 7.945 min Scan# 91
Delta R.T. -0.030 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

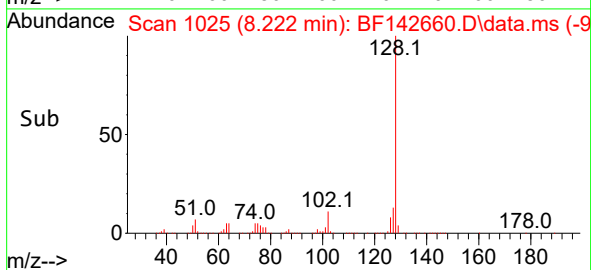
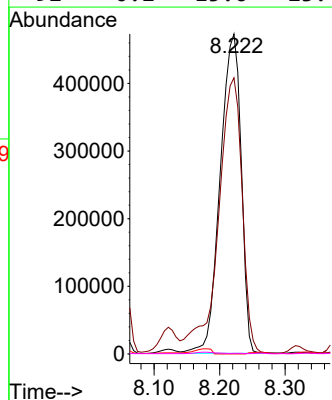
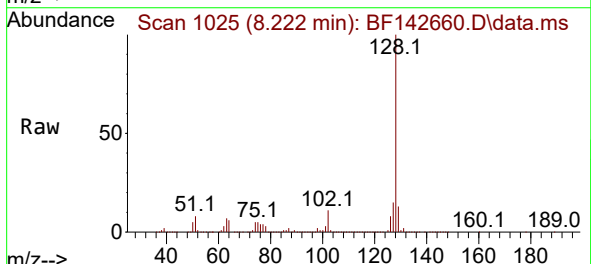
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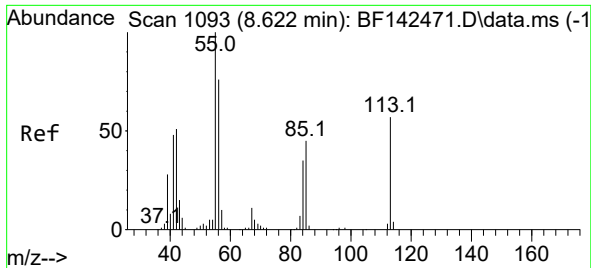
Tgt Ion:122 Resp: 10437
Ion Ratio Lower Upper
122 100
105 376.1 101.7 141.7#
77 894.1 69.5 109.5#



#33
4-Chloroaniline
Concen: 122.009 ng
RT: 8.222 min Scan# 1025
Delta R.T. -0.035 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:127 Resp: 1043359
Ion Ratio Lower Upper
127 100
129 86.3 26.1 39.1#
65 0.0 24.9 37.3#
92 0.2 15.6 23.4#

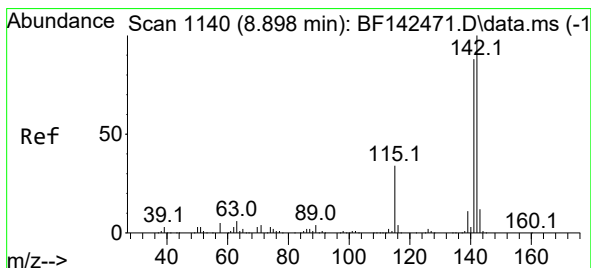
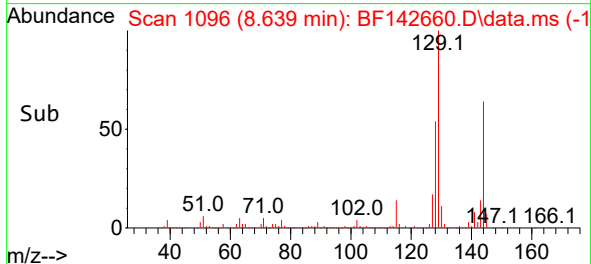
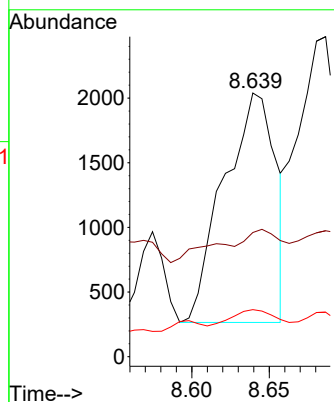
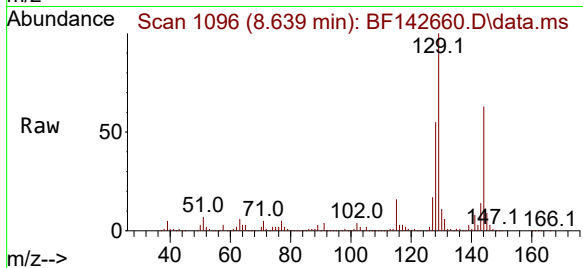




#35
Caprolactam
Concen: 2.422 ng
RT: 8.639 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

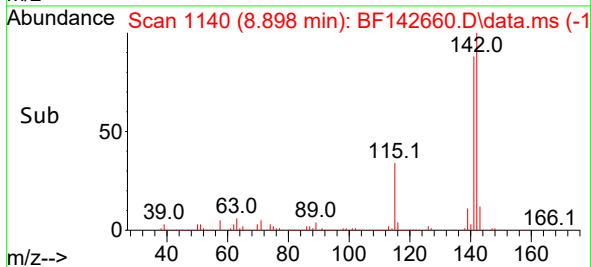
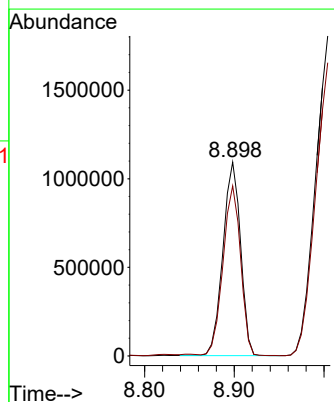
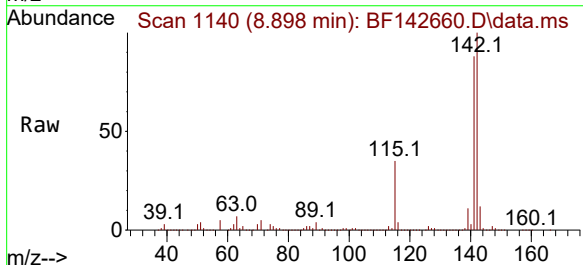
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

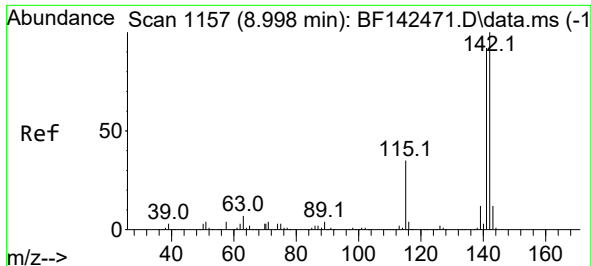
Tgt Ion:113 Resp: 4132
Ion Ratio Lower Upper
113 100
55 47.1 154.7 194.7#
56 17.8 113.2 153.2#



#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

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

Instrument :

BNA_F

ClientSampleId :

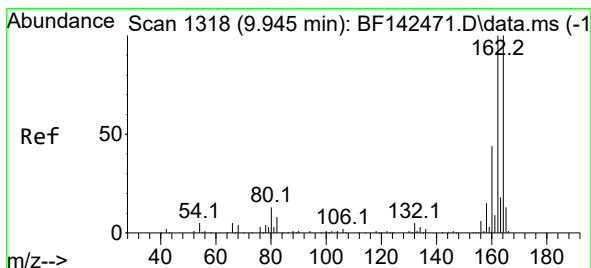
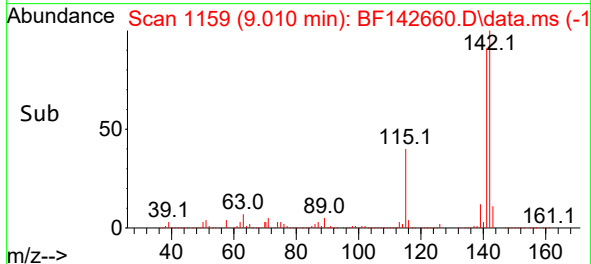
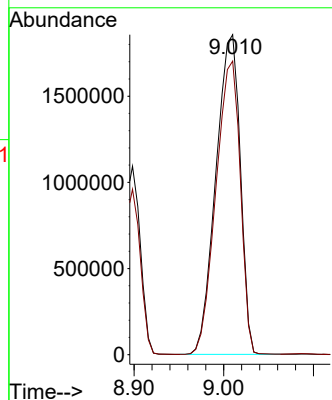
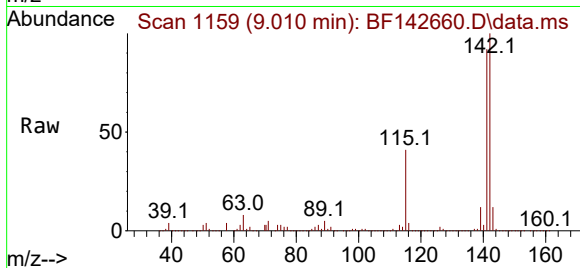
MW-12-20250603

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# 1316

Delta R.T. -0.012 min

Lab File: BF142660.D

Acq: 06 Jun 2025 22:01

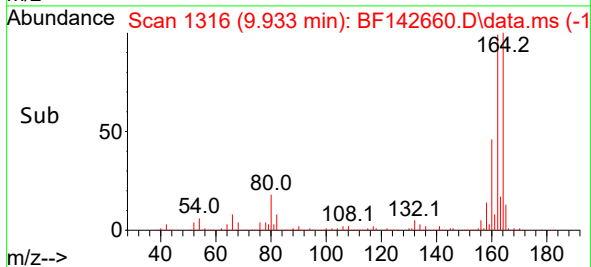
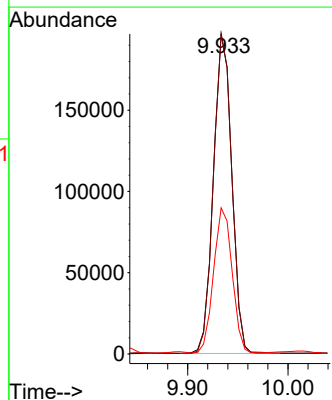
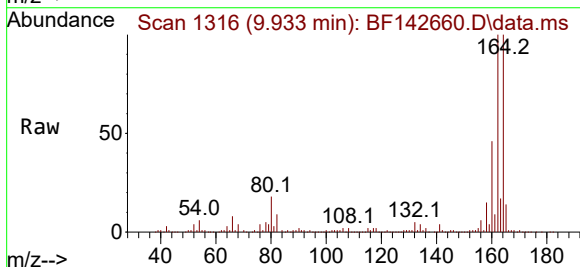
Tgt Ion:164 Resp: 250553

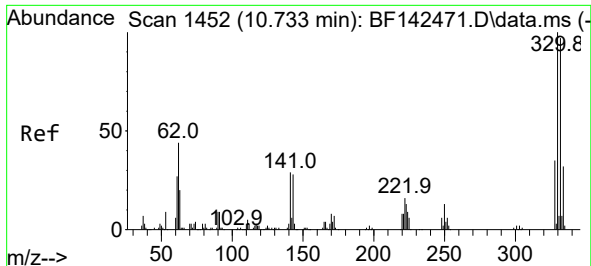
Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

160 45.7 35.6 53.4

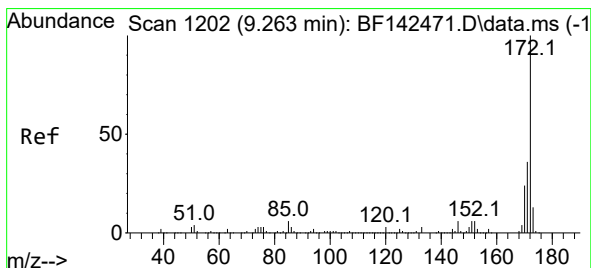
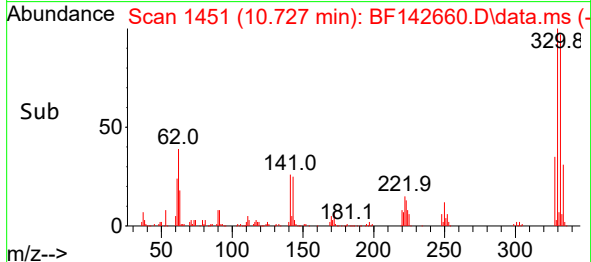
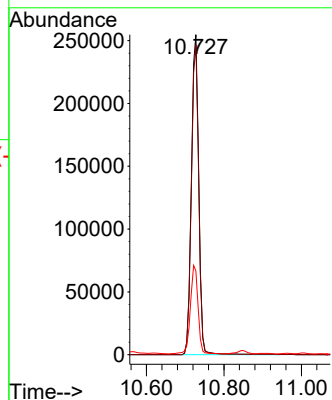
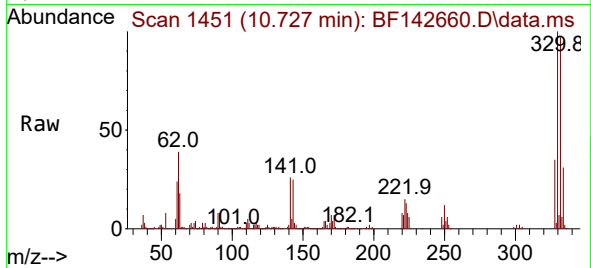




#42
2,4,6-Tribromophenol
Concen: 120.555 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

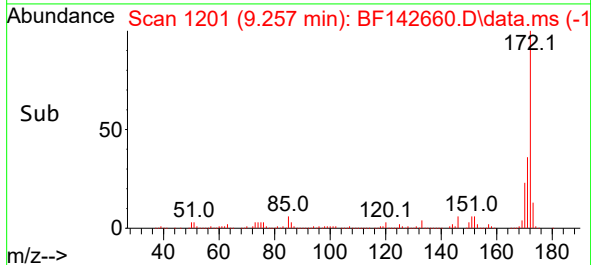
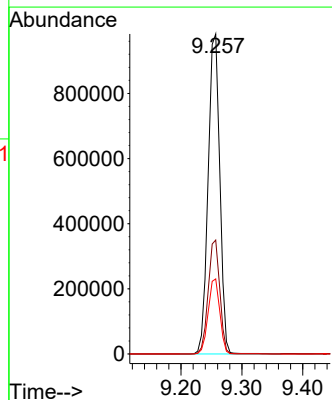
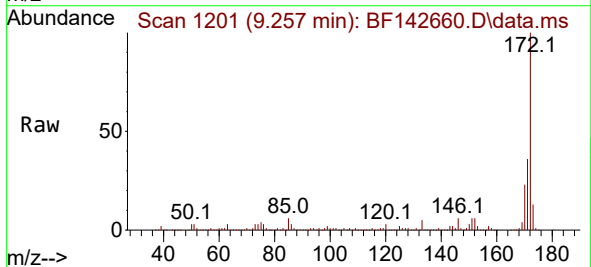
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

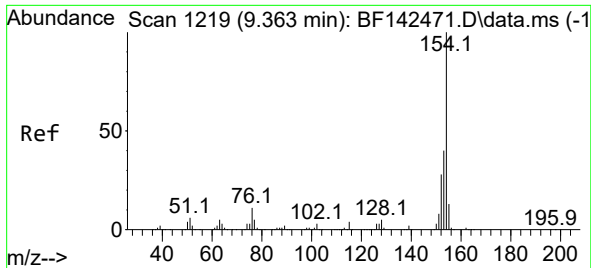
Tgt Ion: 330 Resp: 335241
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 28.6 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 70.287 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

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

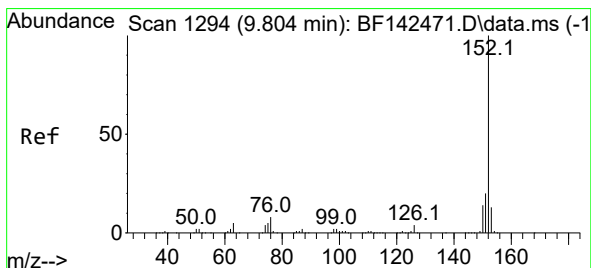
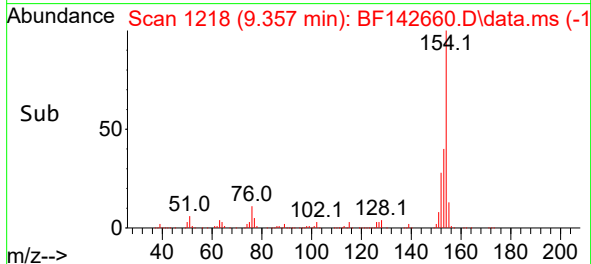
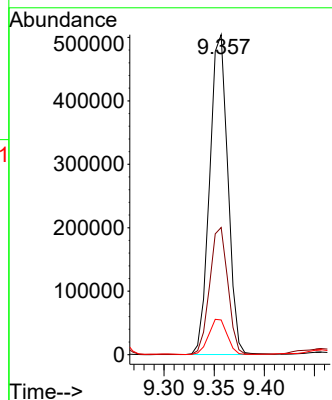
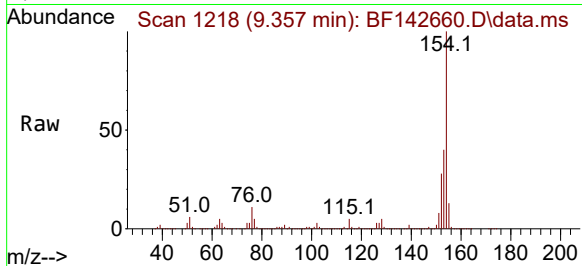




#46
 1,1'-Biphenyl
 Concen: 32.785 ng
 RT: 9.357 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142660.D
 Acq: 06 Jun 2025 22:01

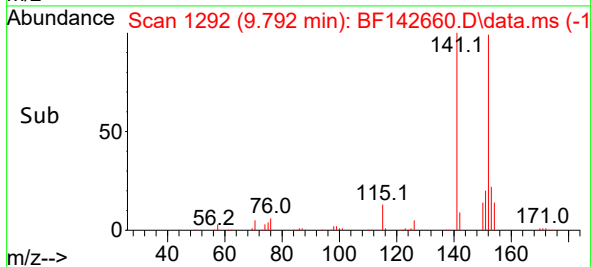
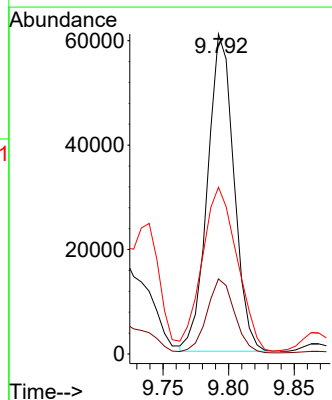
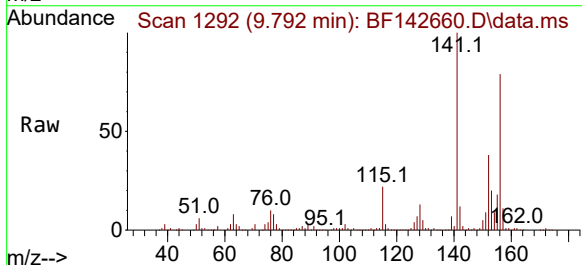
Instrument :
 BNA_F
 ClientSampleId :
 MW-12-20250603

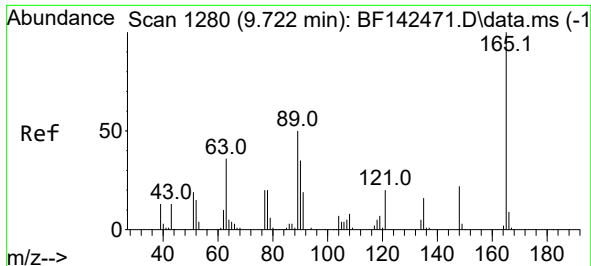
Tgt Ion:154 Resp: 637290
 Ion Ratio Lower Upper
 154 100
 153 39.8 20.4 60.4
 76 10.9 0.0 30.8



#49
 Acenaphthylene
 Concen: 3.515 ng
 RT: 9.792 min Scan# 1292
 Delta R.T. -0.018 min
 Lab File: BF142660.D
 Acq: 06 Jun 2025 22:01

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#

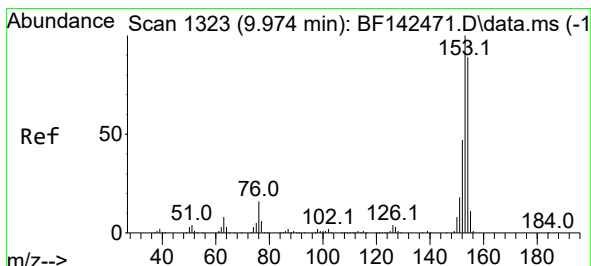
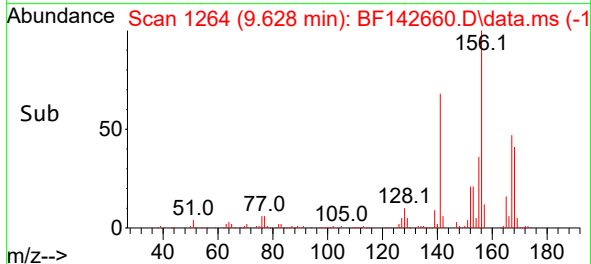
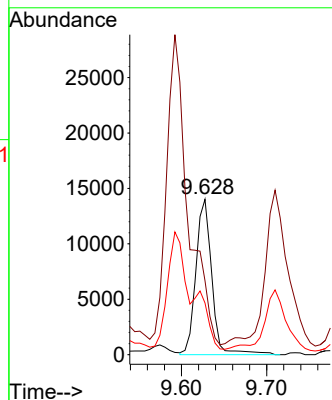
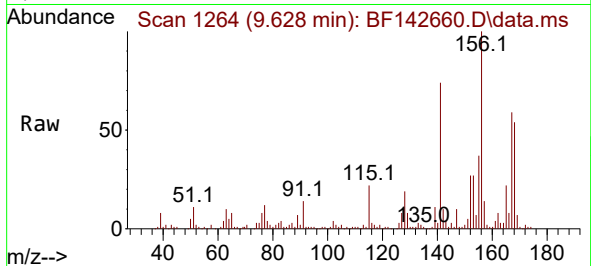




#51
2,6-Dinitrotoluene
Concen: 5.104 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.100 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

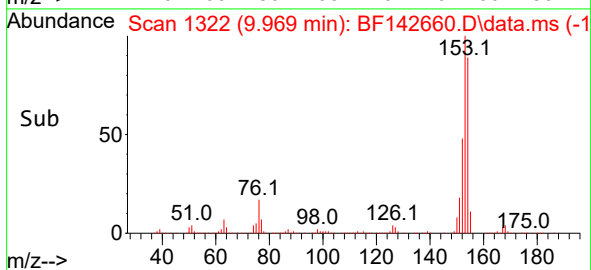
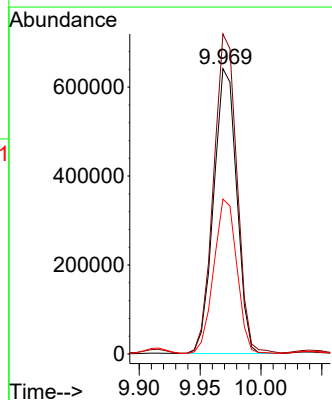
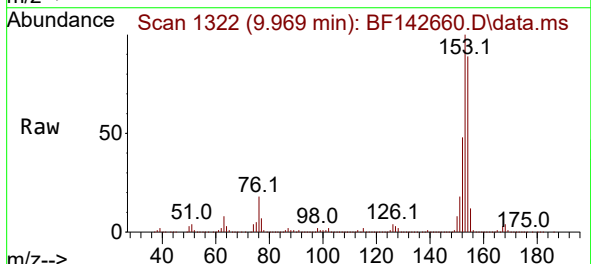
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

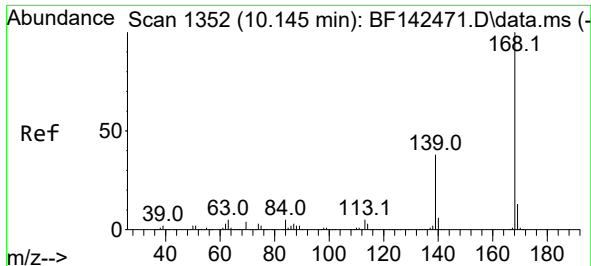
Tgt Ion:165 Resp: 18211
Ion Ratio Lower Upper
165 100
63 47.6 42.9 64.3
89 33.2 40.2 60.4#



#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

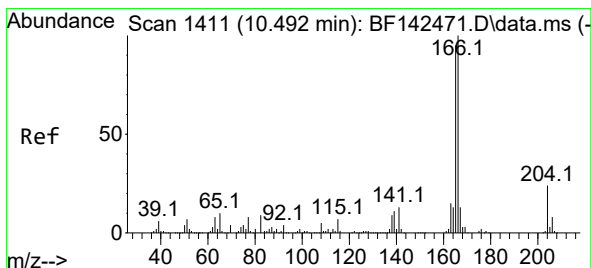
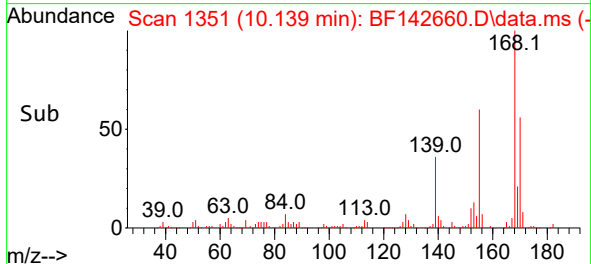
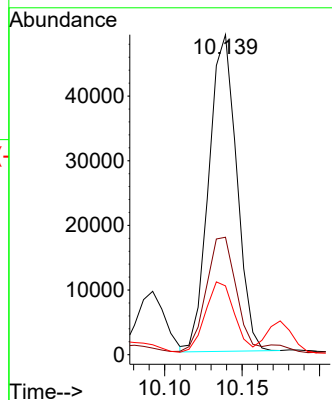
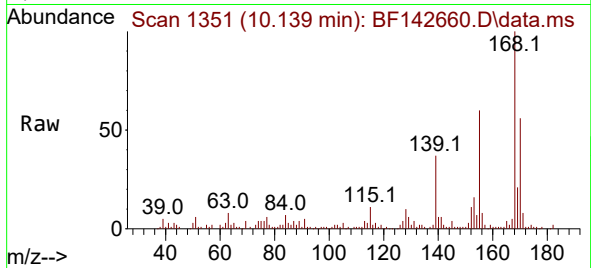




#55
Dibenzenofuran
Concen: 2.874 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

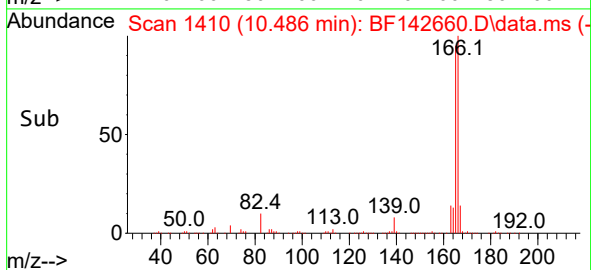
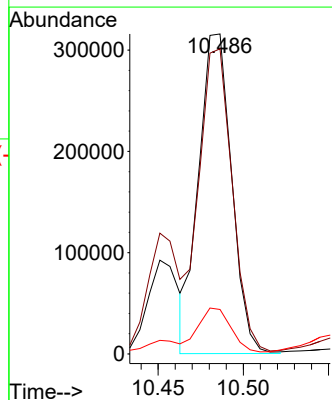
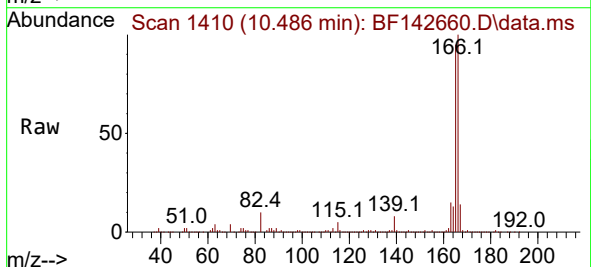
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

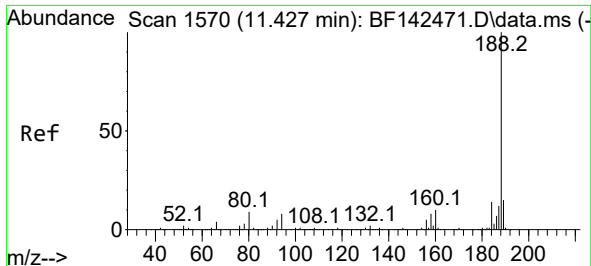
Tgt Ion:168 Resp: 61249
Ion Ratio Lower Upper
168 100
139 36.7 30.2 45.2
169 21.5 10.7 16.1#



#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

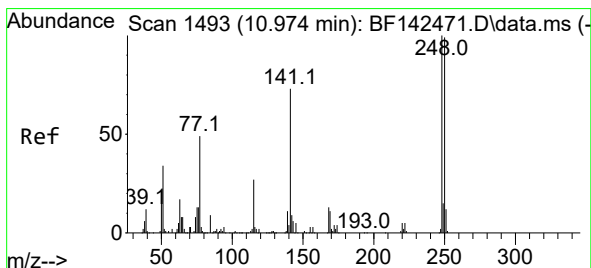
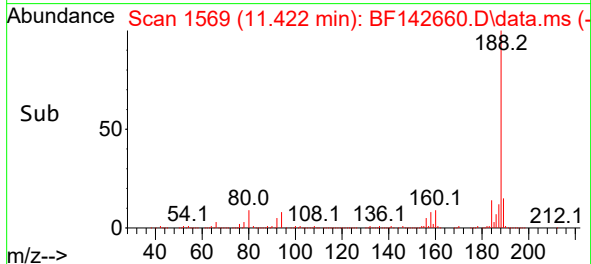
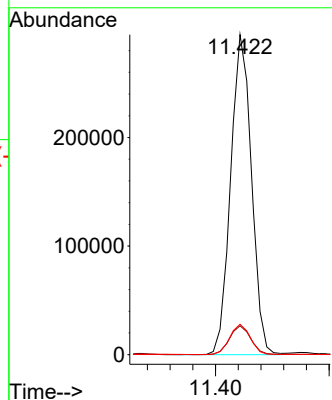
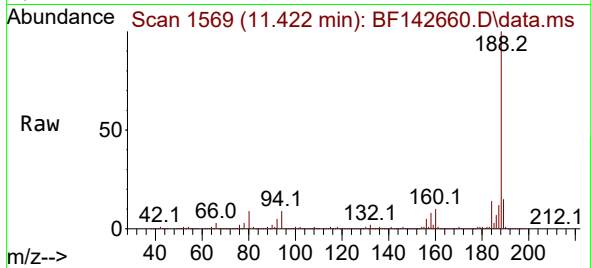




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

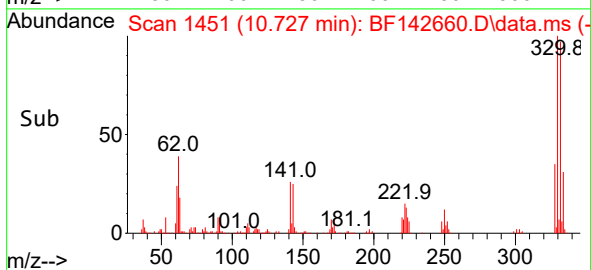
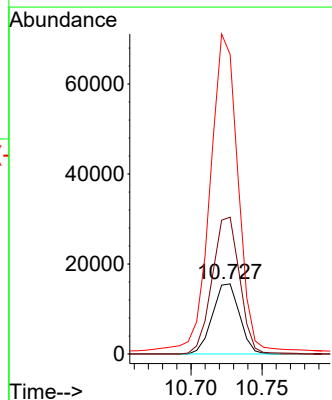
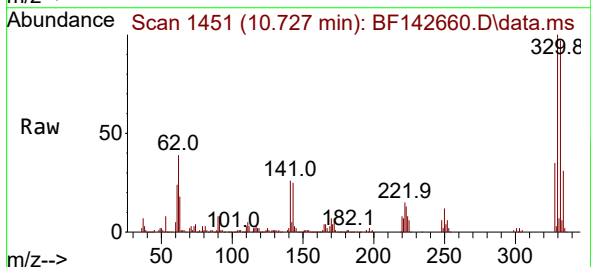
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

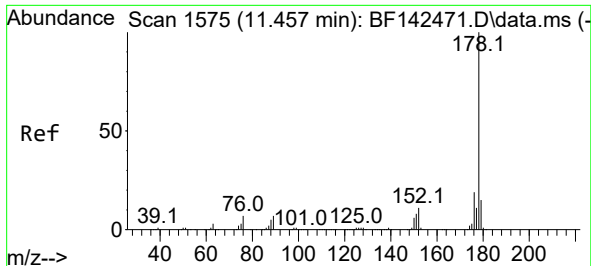
Tgt Ion:188 Resp: 375437
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.5 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 4.642 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:248 Resp: 20606
Ion Ratio Lower Upper
248 100
250 194.9 79.0 118.4#
141 427.0 58.4 87.6#

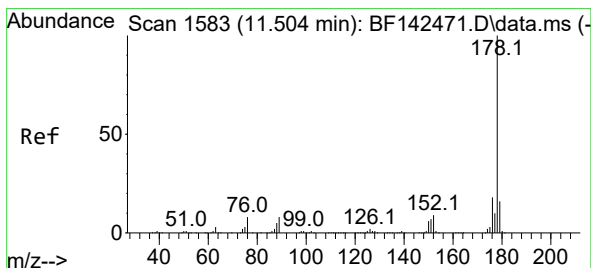
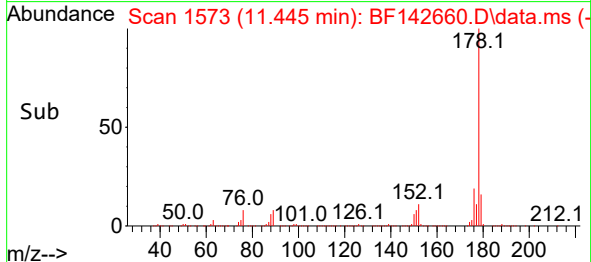
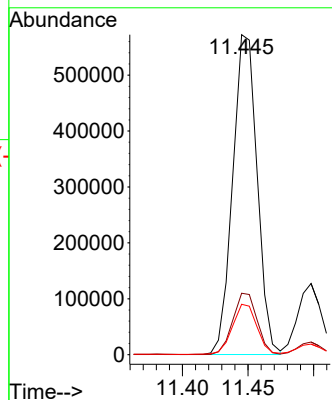
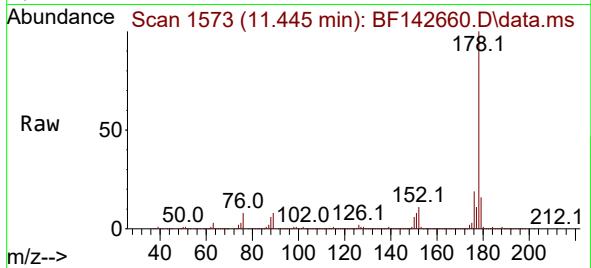




#71
Phenanthrene
Concen: 37.041 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

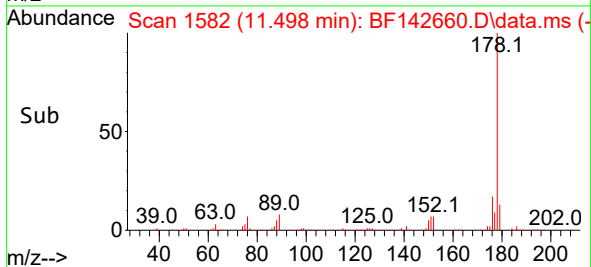
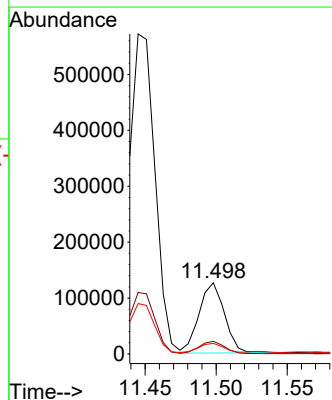
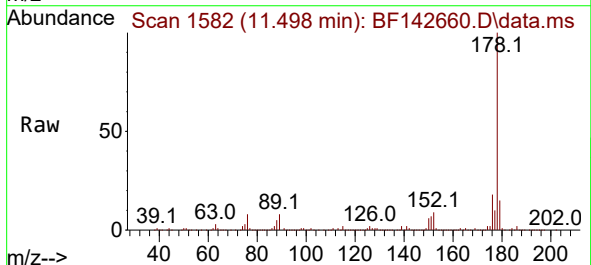
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

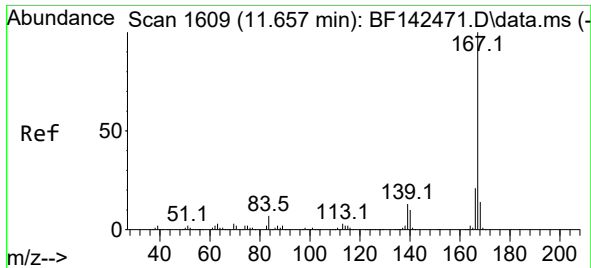
Tgt Ion:178 Resp: 743192
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.8 12.3 18.5



#72
Anthracene
Concen: 7.680 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

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

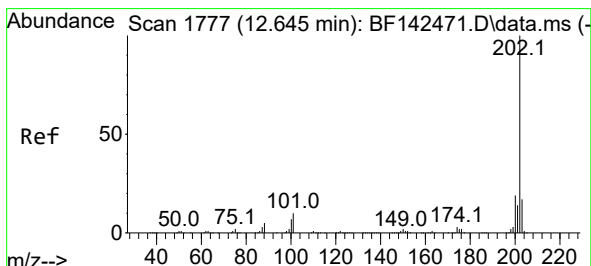
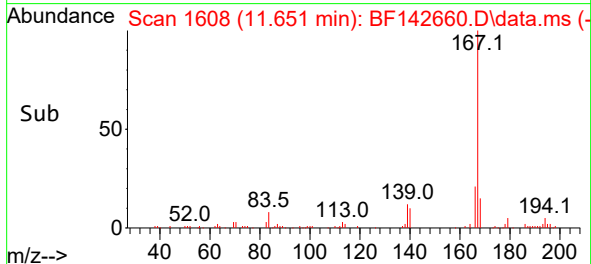
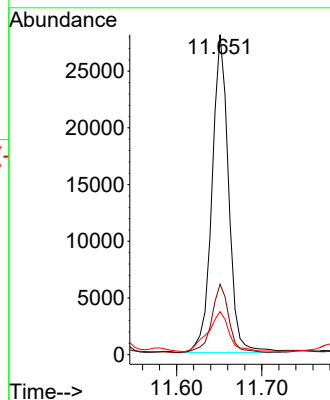
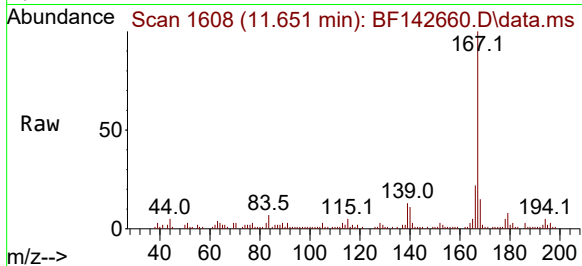




#73
 Carbazole
 Concen: 2.170 ng
 RT: 11.651 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF142660.D
 Acq: 06 Jun 2025 22:01

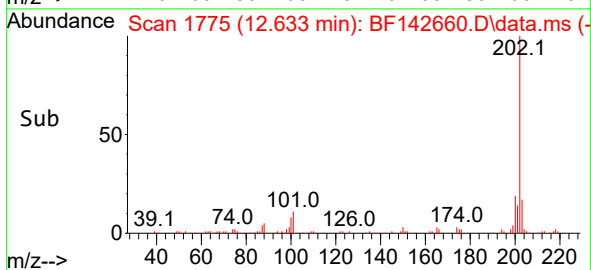
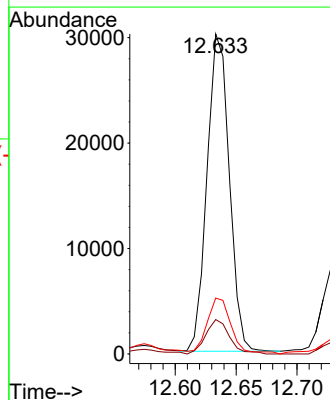
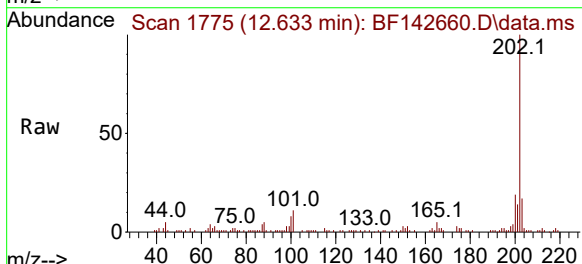
Instrument :
 BNA_F
 ClientSampleId :
 MW-12-20250603

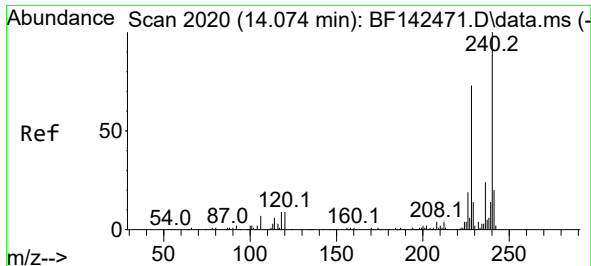
Tgt Ion:167 Resp: 37988
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.9 25.3
 139 13.4 10.2 15.4



#75
 Fluoranthene
 Concen: 2.048 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF142660.D
 Acq: 06 Jun 2025 22:01

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

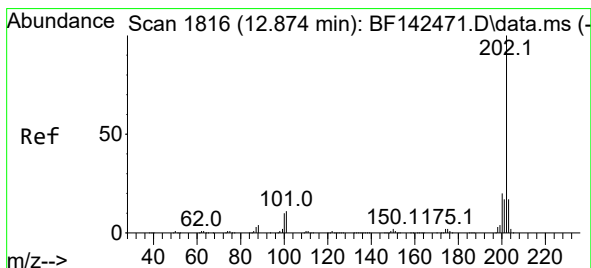
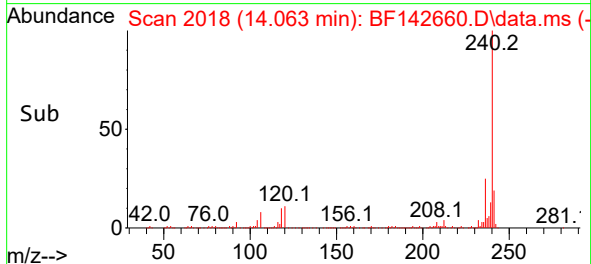
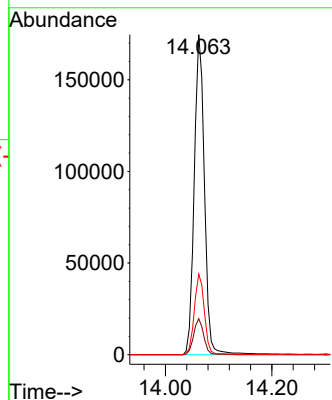
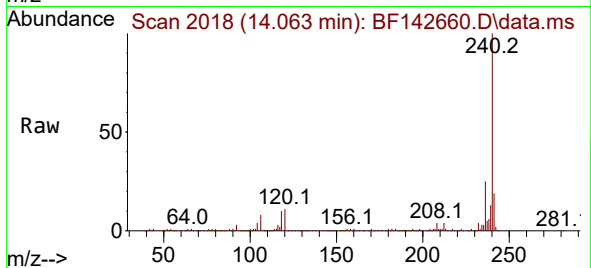




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

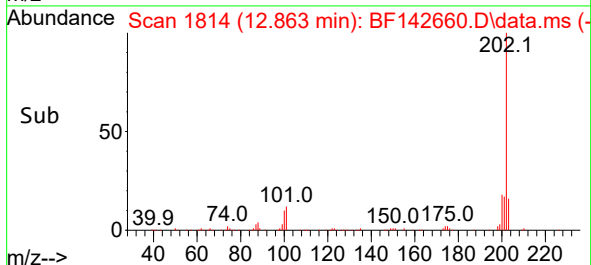
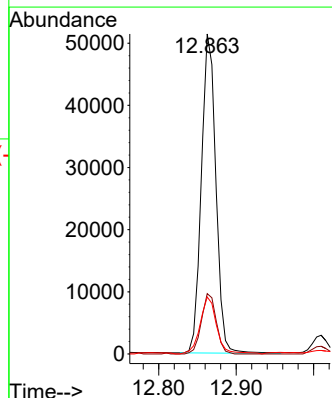
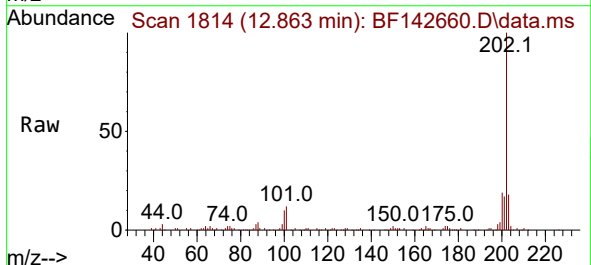
Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

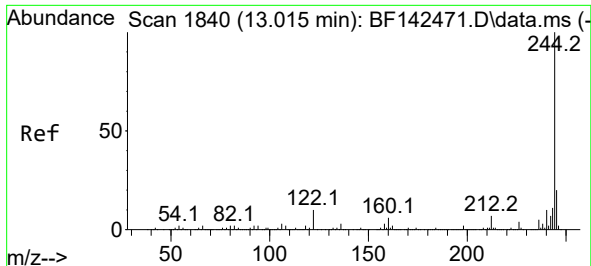
Tgt Ion:240 Resp: 233261
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.2 19.6 29.4



#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

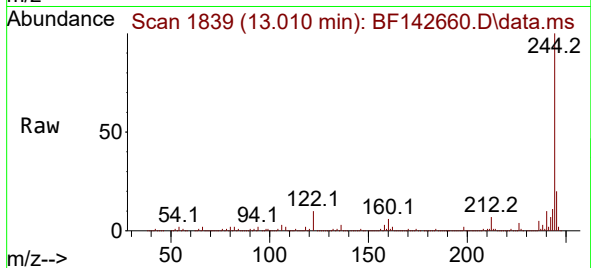
Tgt Ion:202 Resp: 66825
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 17.8 13.9 20.9



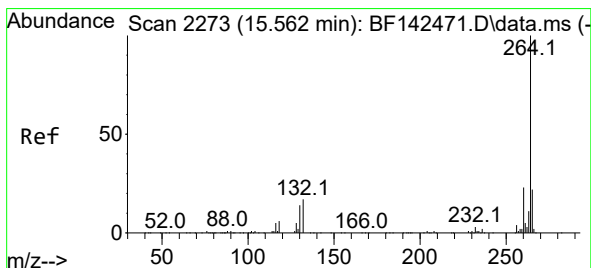
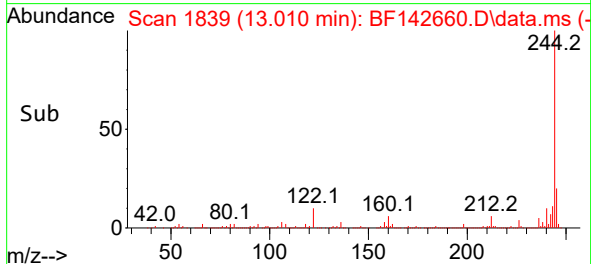
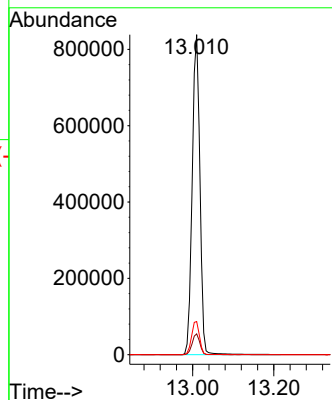


#79
Terphenyl-d14
Concen: 64.562 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603



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# 2272
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

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

