

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138401.D
 Acq On : 01 Jul 2024 14:07
 Operator : CG\JU
 Sample : P3073-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW14-20240625

Quant Time: Jul 01 14:34:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

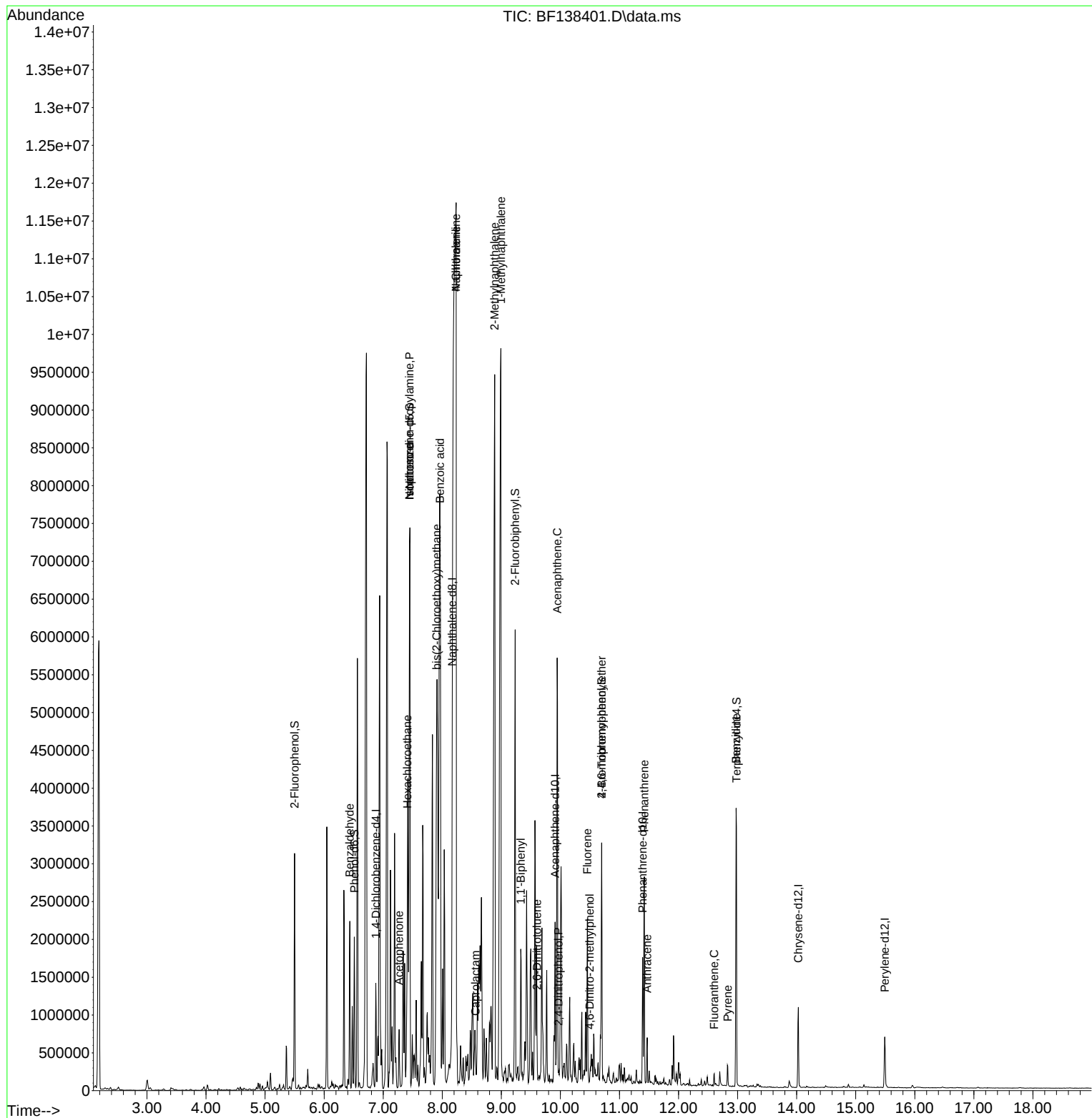
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	191304	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	468432	20.000	ng	# 0.01
39) Acenaphthene-d10	9.910	164	401687	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	581387	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	333925	20.000	ng	0.00
86) Perylene-d12	15.492	264	288698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	715824	62.037	ng	0.00
7) Phenol-d6	6.510	99	589627	37.934	ng	0.00
23) Nitrobenzene-d5	7.445	82	939537	104.192	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	354819	108.116	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1748473	69.273	ng	0.00
79) Terphenyl-d14	12.980	244	1365787	56.052	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	89939	9.375	ng	# 1
18) Hexachloroethane	7.410	117	326412	63.624	ng	# 1
19) n-Nitroso-di-n-propyla...	7.445	70	123935	12.648	ng	# 81
22) Acetophenone	7.269	105	273485	25.735	ng	# 41
25) Isophorone	7.445	82	891495	53.617	ng	# 67
28) bis(2-Chloroethoxy)met...	7.904	93	23580	2.356	ng	# 55
31) Naphthalene	8.234	128	17625215	744.285	ng	# 92
32) Benzoic acid	7.963	122	6047	5.294	ng	# 1
33) 4-Chloroaniline	8.234	127	2740372	331.346	ng	# 29
35) Caprolactam	8.563	113	30007	14.613	ng	96
37) 2-Methylnaphthalene	8.886	142	4131380	269.943	ng	97
38) 1-Methylnaphthalene	8.992	142	4392310	295.924	ng	99
46) 1,1'-Biphenyl	9.328	154	530372	17.684	ng	99
51) 2,6-Dinitrotoluene	9.604	165	24975	4.320	ng	# 58
52) Acenaphthene	9.945	154	1296539	58.876	ng	99
54) 2,4-Dinitrophenol	9.969	184	284	9.034	ng	# 1
58) Fluorene	10.457	166	528452	21.919	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	90	5.825	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	23298	3.728	ng	# 1
71) Phenanthrene	11.422	178	1044766	36.806	ng	99
72) Anthracene	11.469	178	213198	7.531	ng	99
75) Fluoranthene	12.604	202	60716	2.386	ng	99
77) Benzidine	12.974	184	17900	6.704	ng	# 94
78) Pyrene	12.833	202	114508	3.208	ng	98

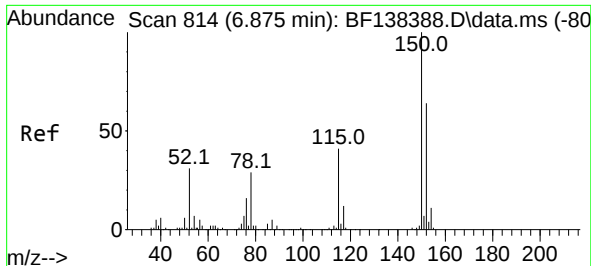
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
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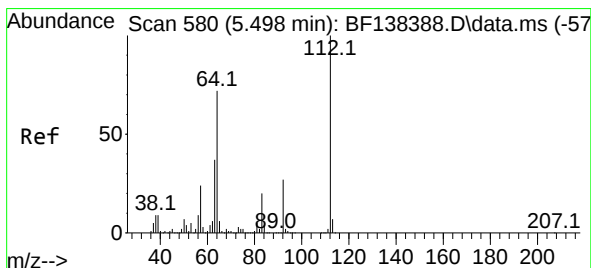
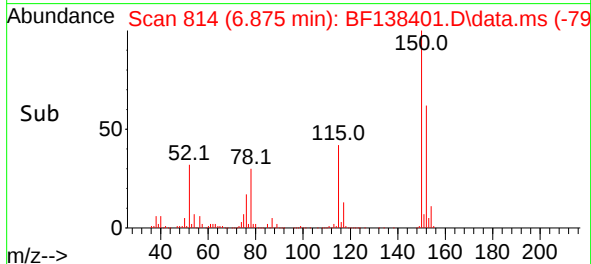
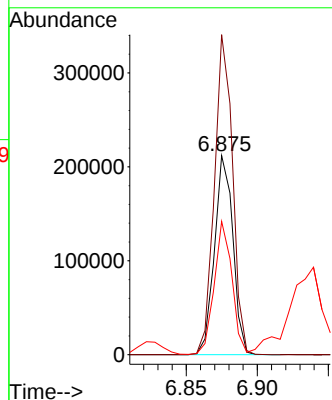
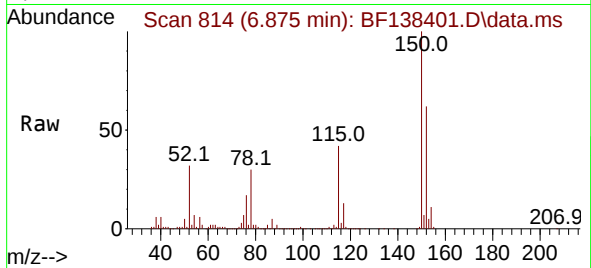




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

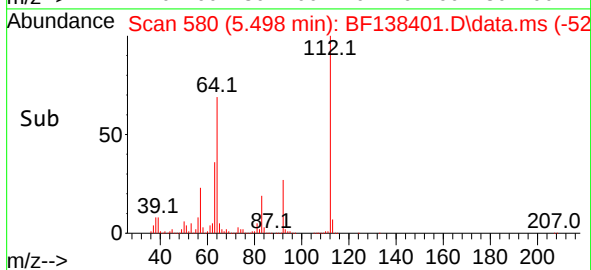
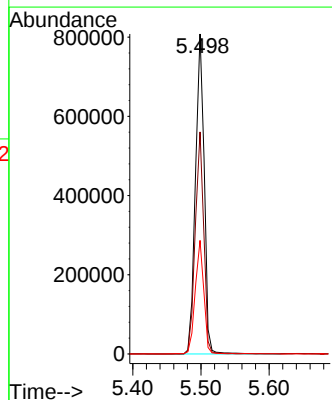
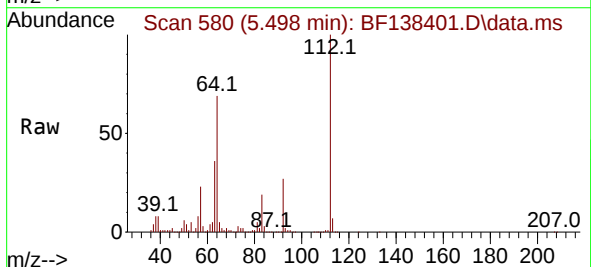
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

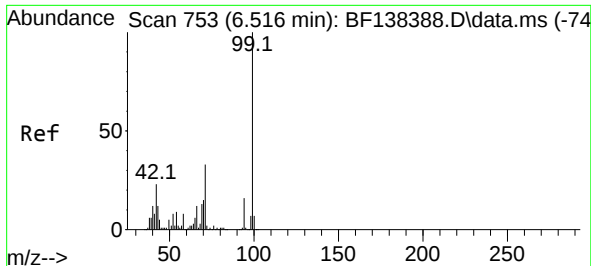
Tgt Ion:152 Resp: 191304
Ion Ratio Lower Upper
152 100
150 160.8 124.9 187.3
115 67.0 50.8 76.2



#5
2-Fluorophenol
Concen: 62.037 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:112 Resp: 715824
Ion Ratio Lower Upper
112 100
64 69.4 57.2 85.8
63 35.5 29.4 44.0





#7
Phenol-d6
Concen: 37.934 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

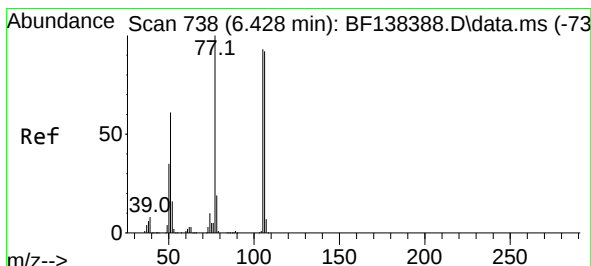
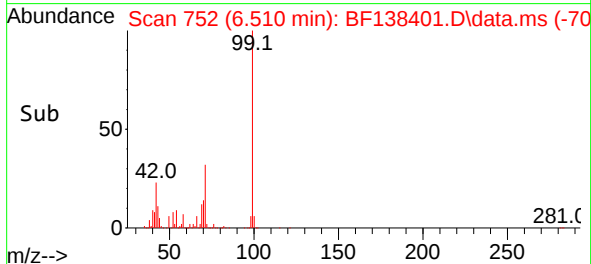
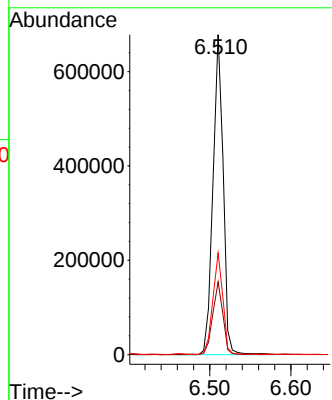
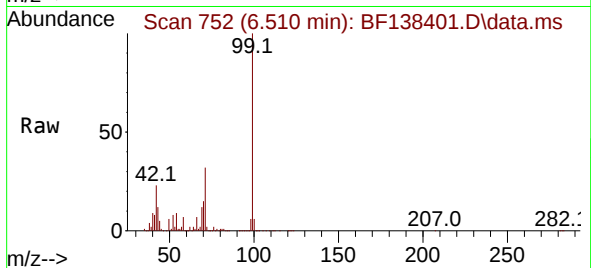
Instrument :

BNA_F

ClientSampleId :

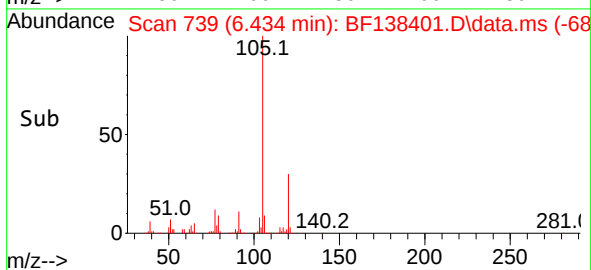
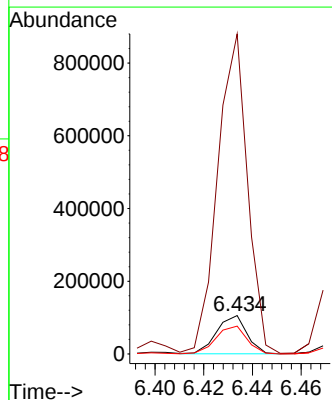
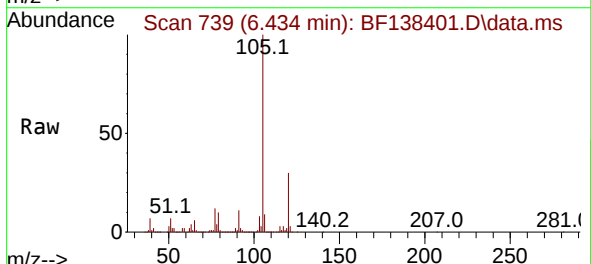
MW14-20240625

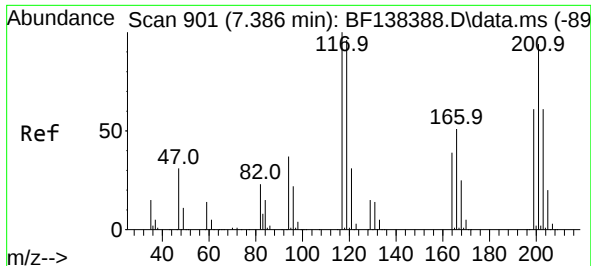
Tgt Ion: 99 Resp: 589627
Ion Ratio Lower Upper
99 100
42 22.7 18.5 27.7
71 31.8 26.1 39.1



#9
Benzaldehyde
Concen: 9.375 ng
RT: 6.434 min Scan# 739
Delta R.T. 0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion: 77 Resp: 89939
Ion Ratio Lower Upper
77 100
105 834.9 73.2 113.2#
106 72.7 71.5 111.5

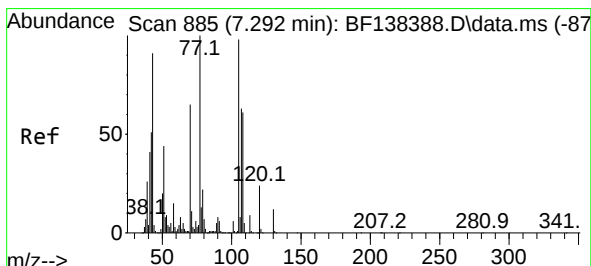
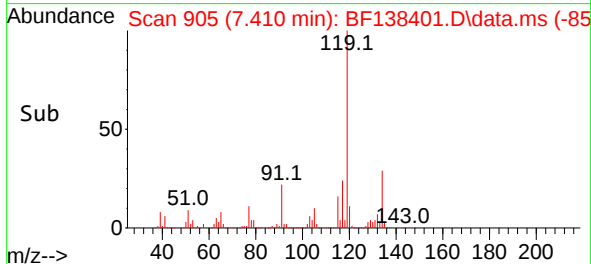
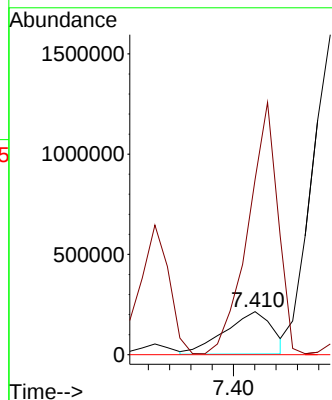
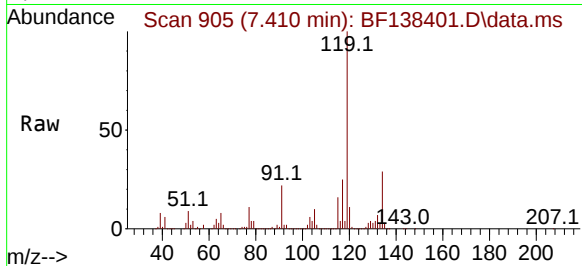




#18
Hexachloroethane
Concen: 63.624 ng
RT: 7.410 min Scan# 901
Delta R.T. 0.024 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

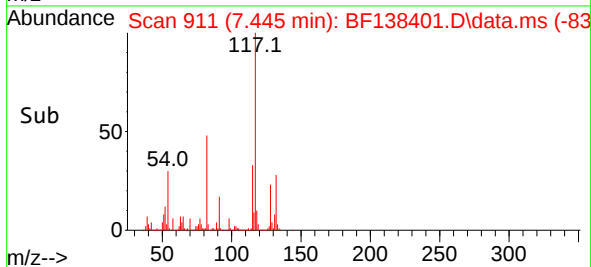
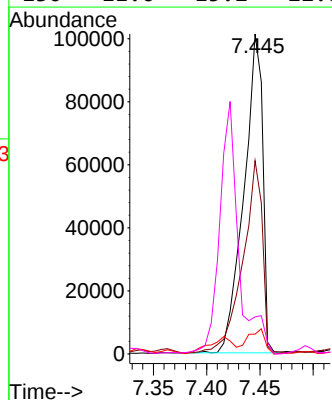
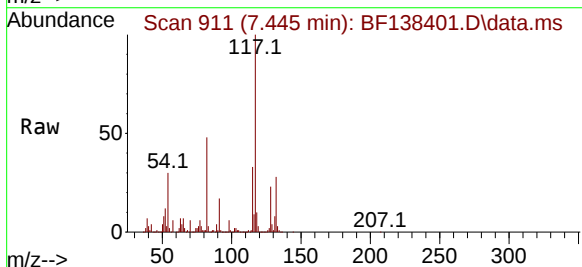
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

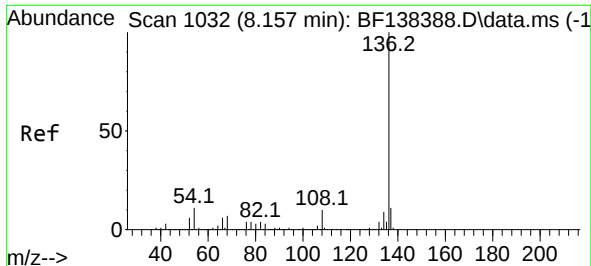
Tgt Ion:117 Resp: 326412
Ion Ratio Lower Upper
117 100
119 407.6 77.1 115.7#
201 0.0 75.6 113.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.648 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.153 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion: 70 Resp: 123935
Ion Ratio Lower Upper
70 100
42 60.4 62.5 93.7#
101 6.2 7.0 10.4#
130 11.6 15.2 22.8#

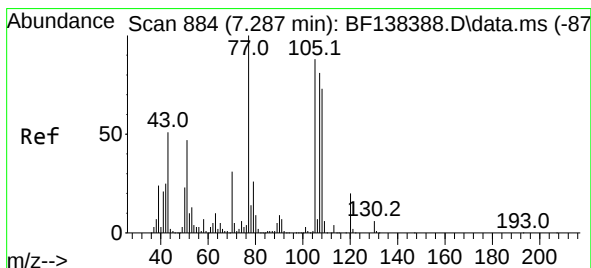
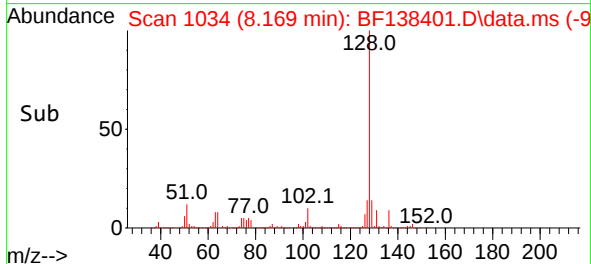
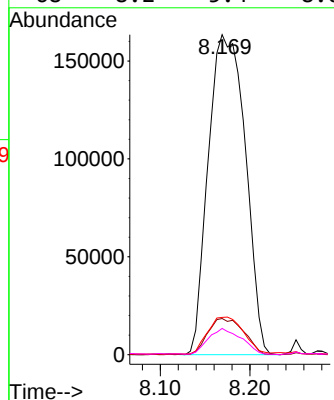
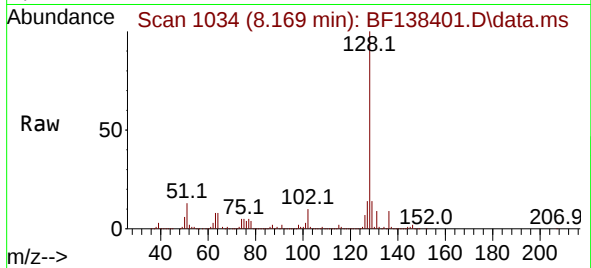




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1032
Delta R.T. 0.012 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

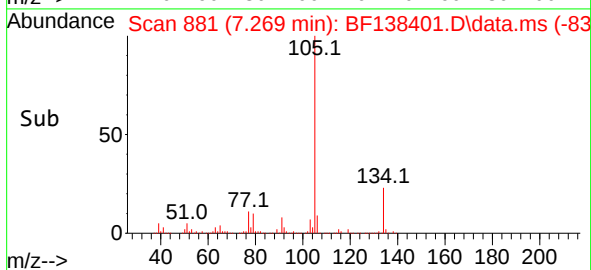
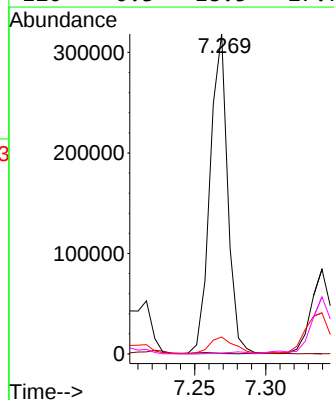
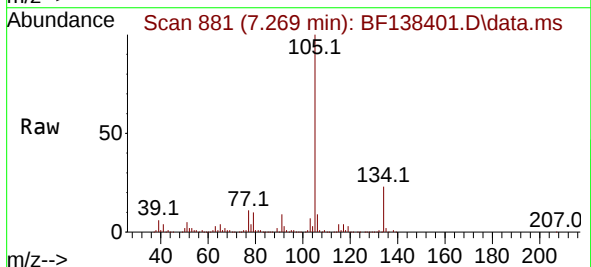
Instrument :
BNA_F
ClientSampleId :
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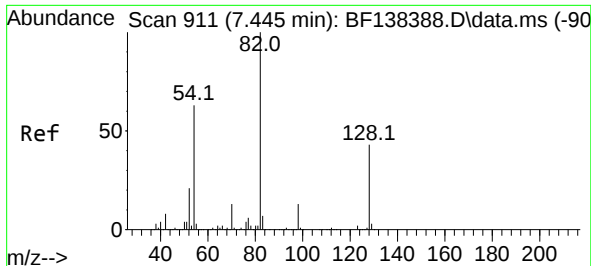
Tgt Ion:136 Resp: 468432
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.6 9.0 13.4
68 8.2 5.4 8.0#



#22
Acetophenone
Concen: 25.735 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:105 Resp: 273485
Ion Ratio Lower Upper
105 100
71 0.2 4.7 7.1#
51 5.3 43.2 64.8#
120 0.3 18.5 27.7#





#23

Nitrobenzene-d5

Concen: 104.192 ng

RT: 7.445 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

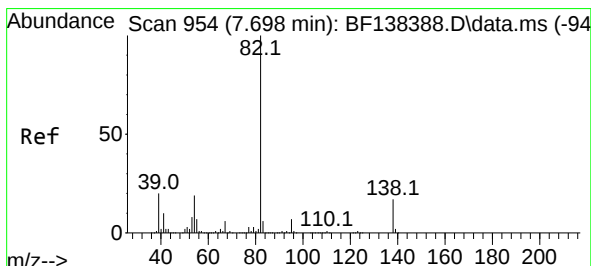
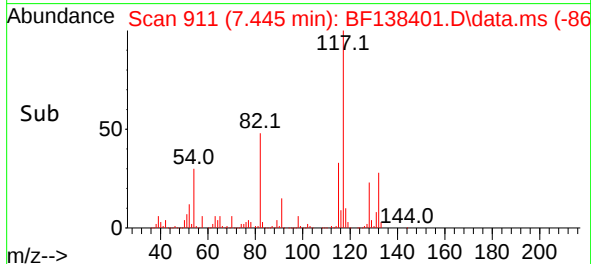
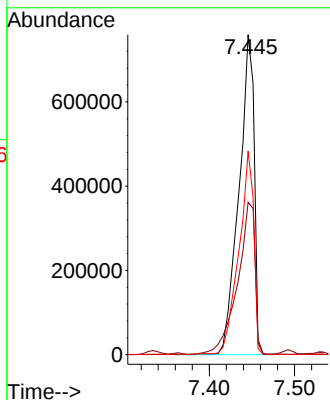
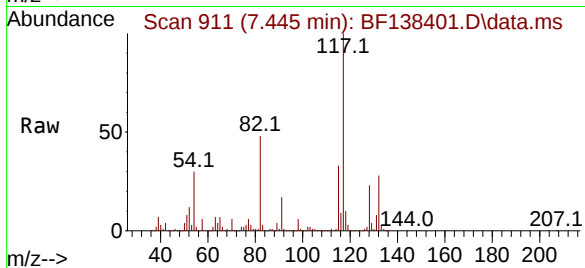
Tgt Ion: 82 Resp: 939537

Ion Ratio Lower Upper

82 100

128 47.7 34.6 52.0

54 63.6 50.5 75.7



#25

Isophorone

Concen: 53.617 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.253 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

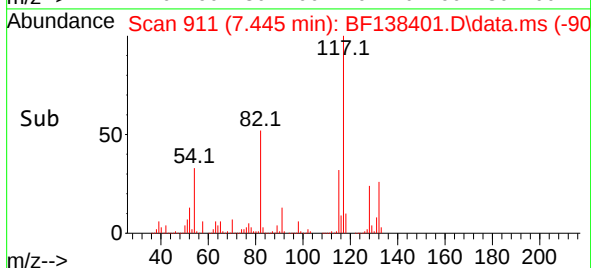
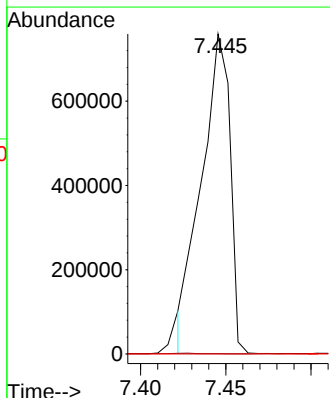
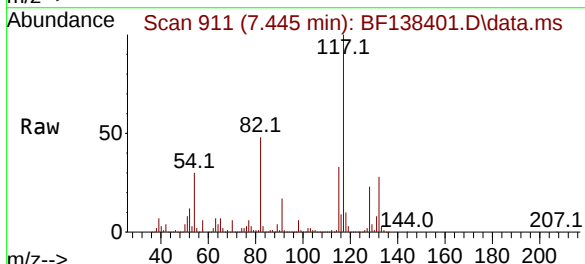
Tgt Ion: 82 Resp: 891495

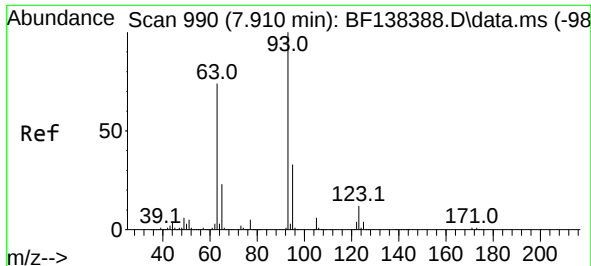
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 13.4 20.2#

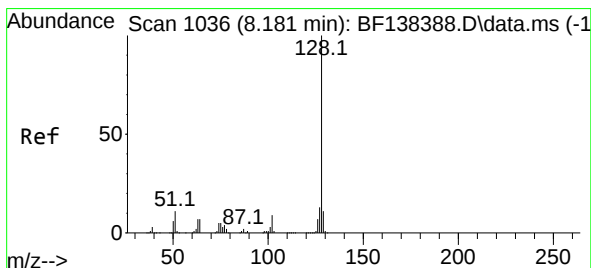
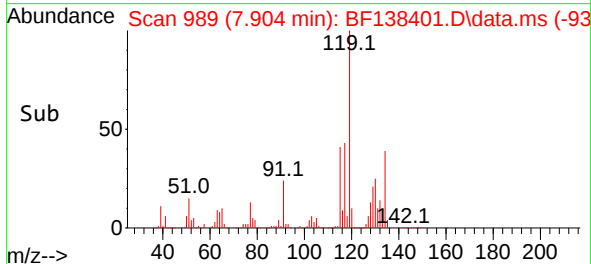
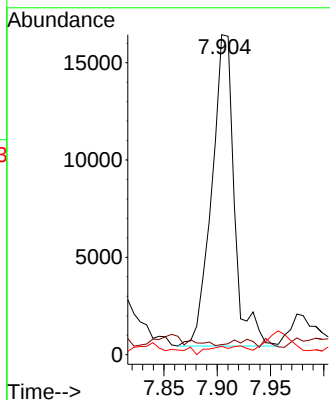
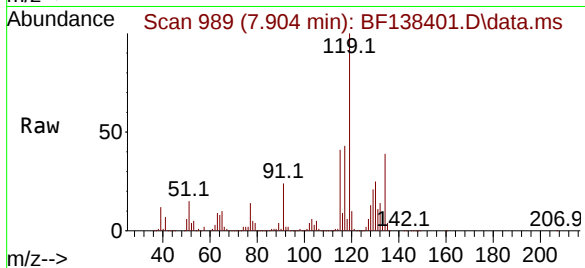




#28
bis(2-Chloroethoxy)methane
Concen: 2.356 ng
RT: 7.904 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

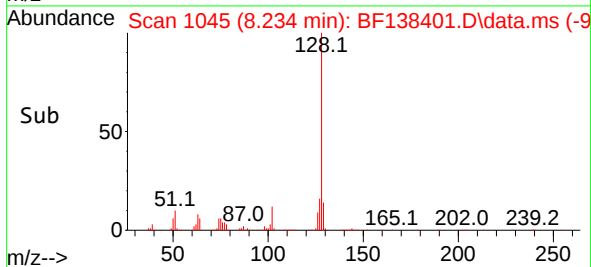
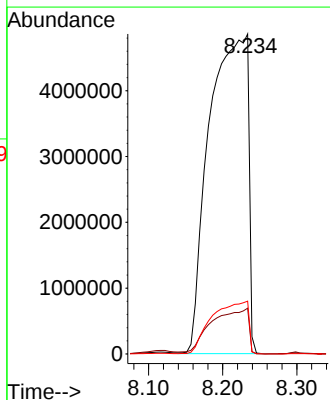
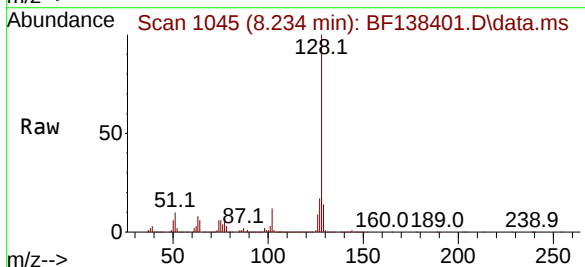
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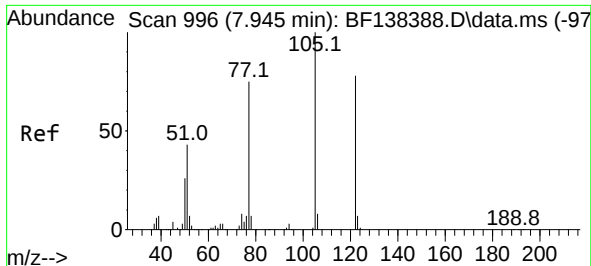
Tgt Ion: 93 Resp: 23580
Ion Ratio Lower Upper
93 100
95 3.2 26.6 40.0#
123 2.6 9.6 14.4#



#31
Naphthalene
Concen: 744.285 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.053 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion: 128 Resp: 17625215
Ion Ratio Lower Upper
128 100
129 14.3 9.0 13.6#
127 16.5 10.6 16.0#

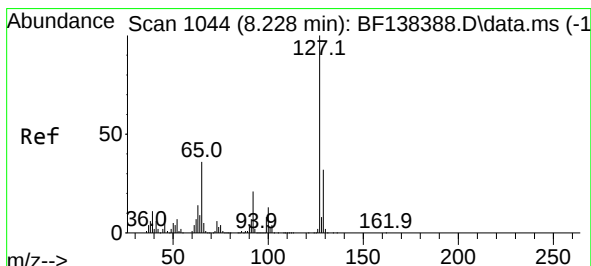
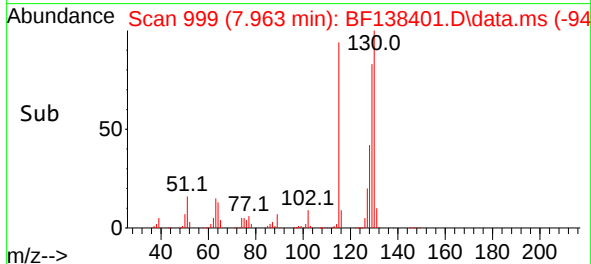
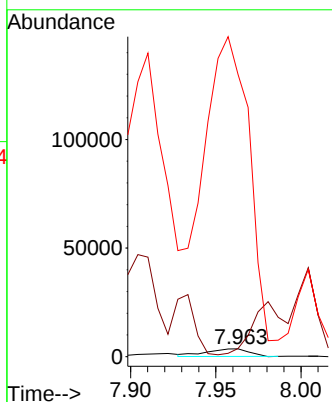
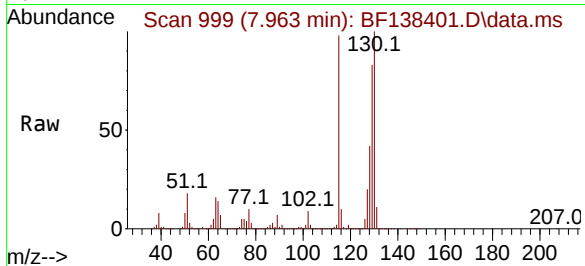




#32
Benzoic acid
Concen: 5.294 ng
RT: 7.963 min Scan# 996
Delta R.T. 0.018 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

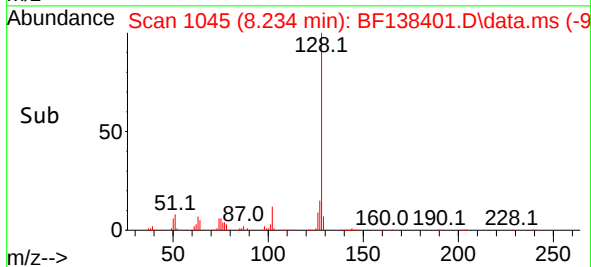
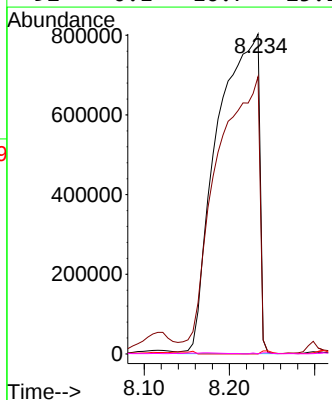
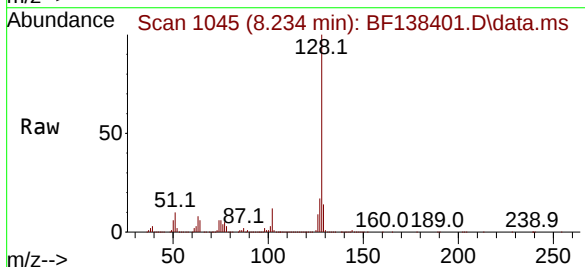
Instrument :
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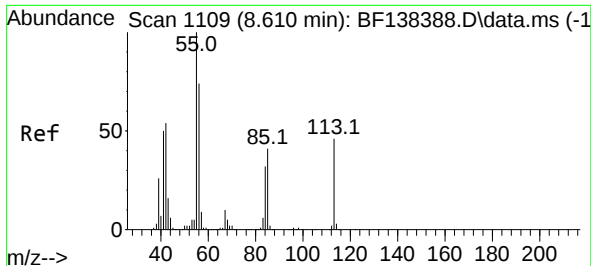
Tgt Ion:122 Resp: 6047
Ion Ratio Lower Upper
122 100
105 103.1 103.8 143.8#
77 3585.1 74.3 114.3#



#33
4-Chloroaniline
Concen: 331.346 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:127 Resp: 2740372
Ion Ratio Lower Upper
127 100
129 86.6 25.4 38.2#
65 0.0 28.7 43.1#
92 0.1 16.7 25.1#

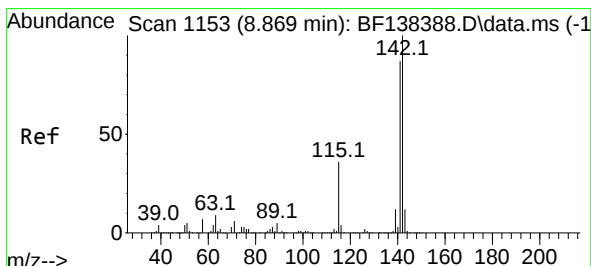
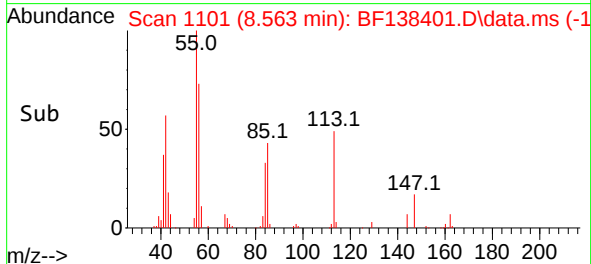
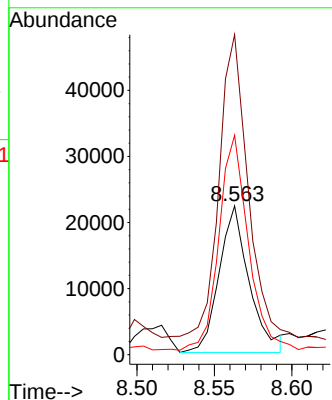
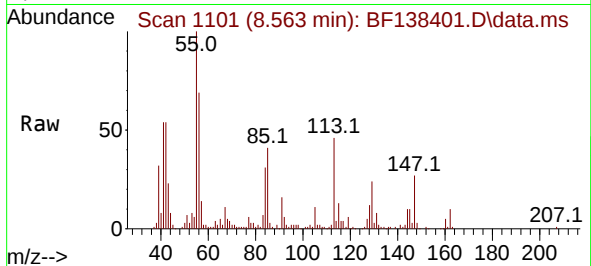




#35
Caprolactam
Concen: 14.613 ng
RT: 8.563 min Scan# 1109
Delta R.T. -0.047 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

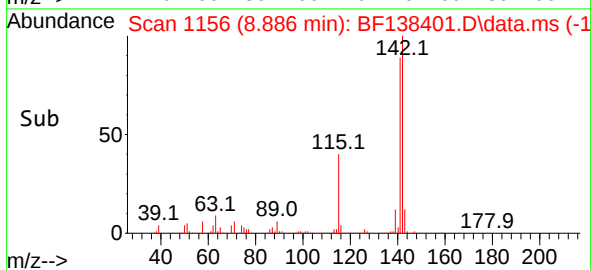
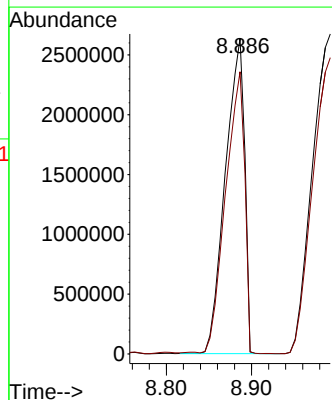
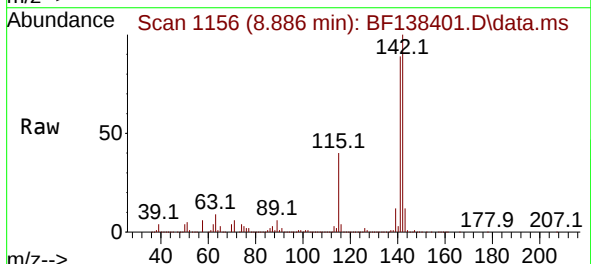
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

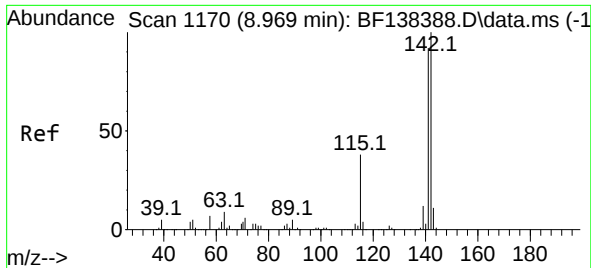
Tgt Ion:113 Resp: 30007
Ion Ratio Lower Upper
113 100
55 215.1 195.9 235.9
56 147.5 138.7 178.7



#37
2-Methylnaphthalene
Concen: 269.943 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.018 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:142 Resp: 4131380
Ion Ratio Lower Upper
142 100
141 89.3 69.6 104.4

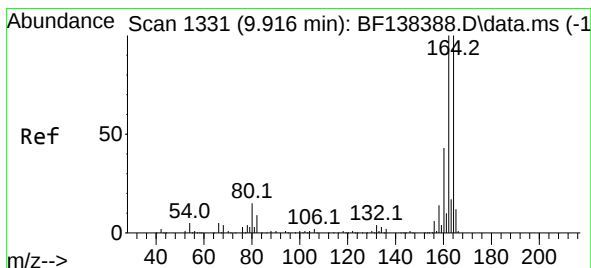
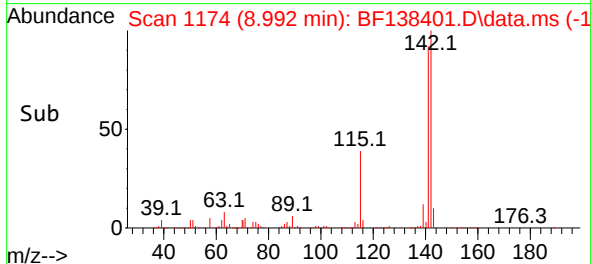
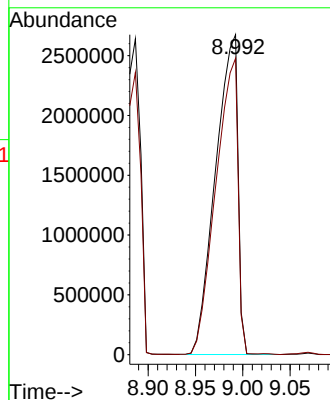
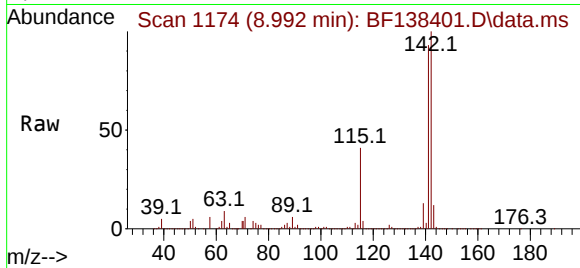




#38
1-Methylnaphthalene
Concen: 295.924 ng
RT: 8.992 min Scan# 1170
Delta R.T. 0.024 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

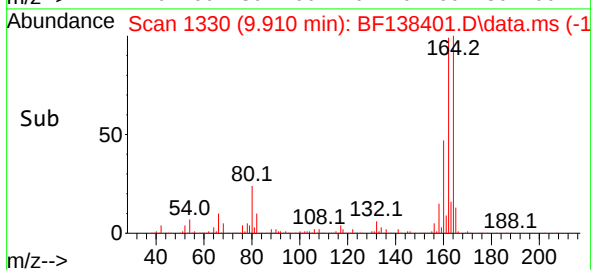
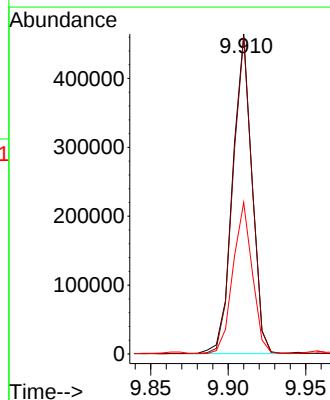
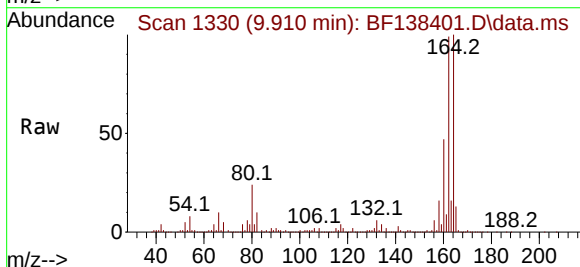
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

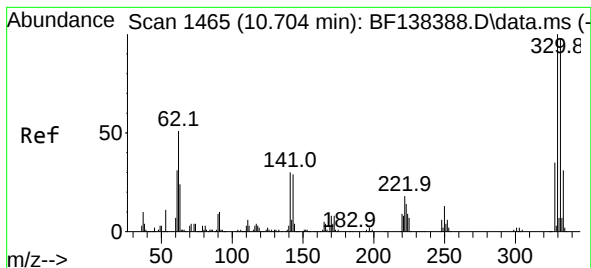
Tgt Ion:142 Resp: 4392310
Ion Ratio Lower Upper
142 100
141 92.6 73.7 110.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:164 Resp: 401687
Ion Ratio Lower Upper
164 100
162 99.2 80.1 120.1
160 47.4 34.1 51.1

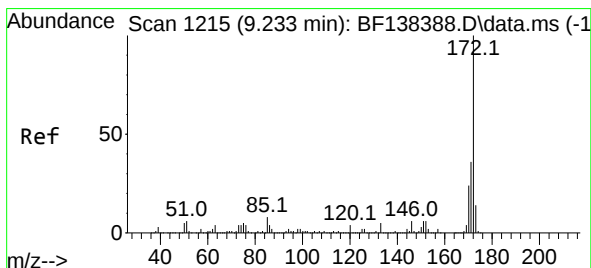
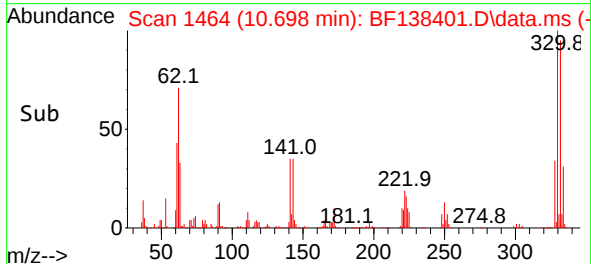
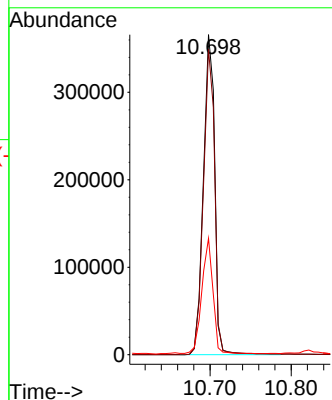
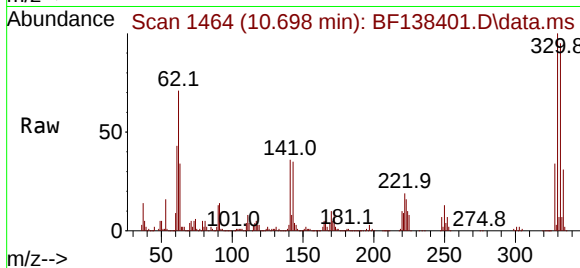




#42
2,4,6-Tribromophenol
Concen: 108.116 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

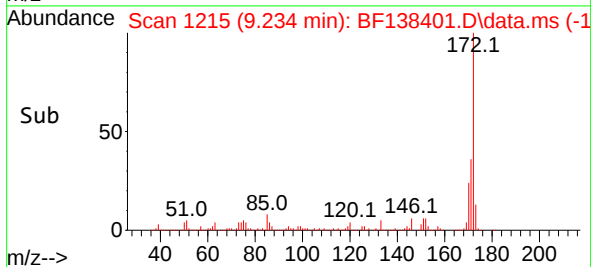
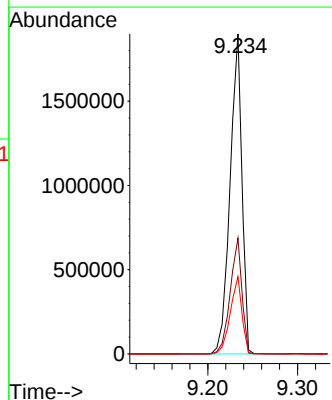
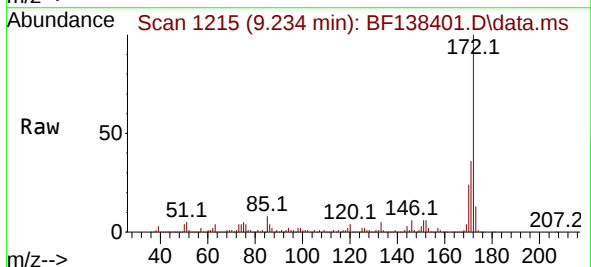
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

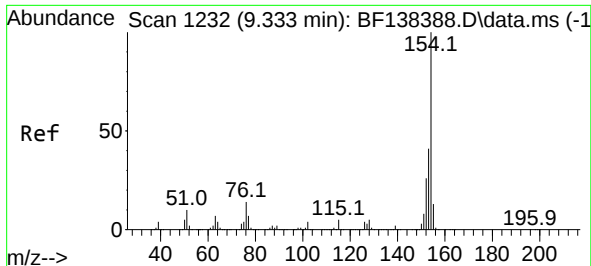
Tgt Ion: 330 Resp: 354819
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 35.3 28.1 42.1



#45
2-Fluorobiphenyl
Concen: 69.273 ng
RT: 9.234 min Scan# 1215
Delta R.T. 0.001 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion: 172 Resp: 1748473
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.1 19.0 28.6

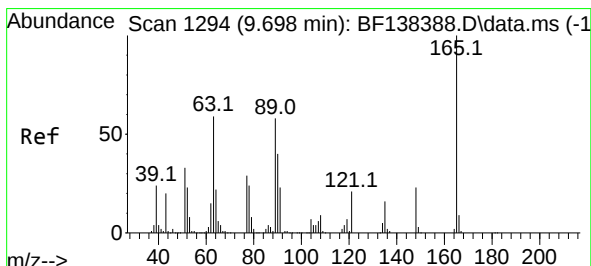
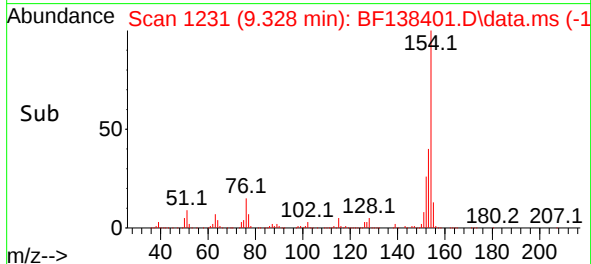
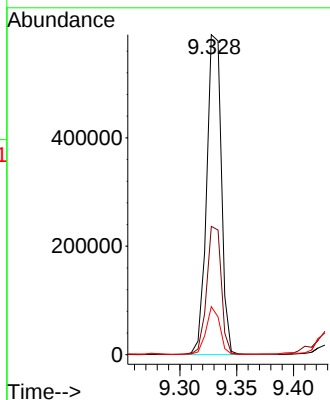
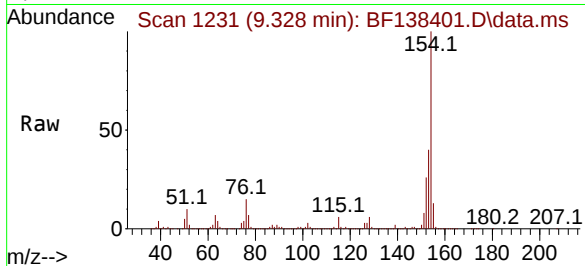




#46
1,1'-Biphenyl
Concen: 17.684 ng
RT: 9.328 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

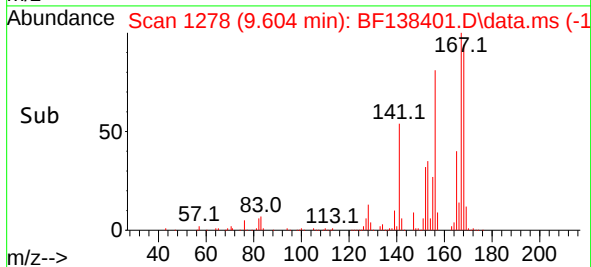
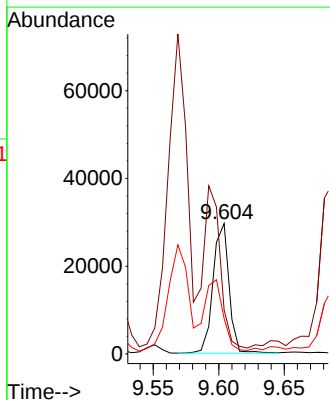
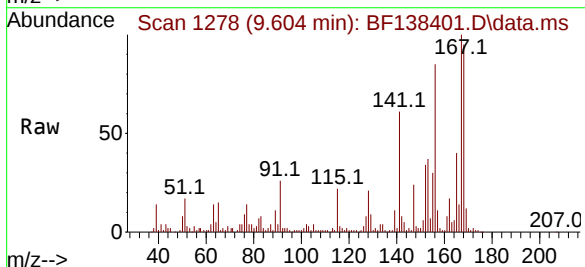
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

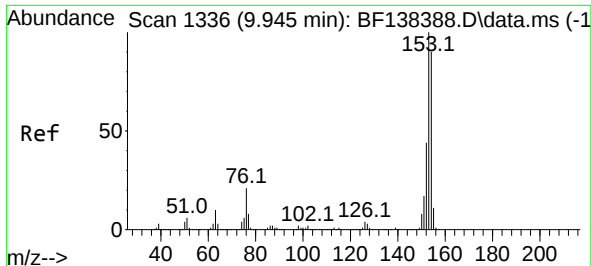
Tgt Ion:154 Resp: 530372
Ion Ratio Lower Upper
154 100
153 40.1 20.5 60.5
76 15.0 0.0 34.4



#51
2,6-Dinitrotoluene
Concen: 4.320 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.094 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:165 Resp: 24975
Ion Ratio Lower Upper
165 100
63 33.7 53.8 80.8#
89 27.1 46.4 69.6#

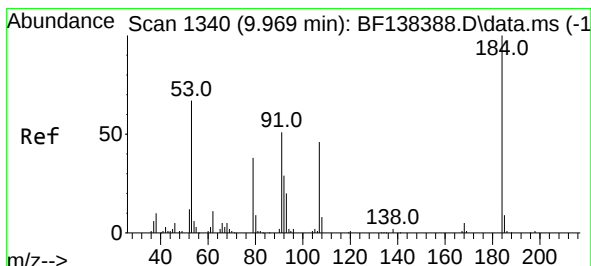
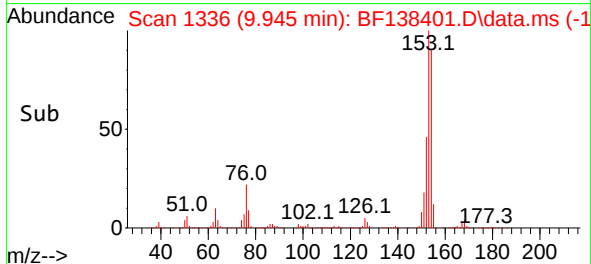
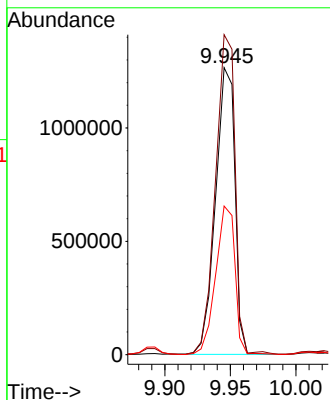
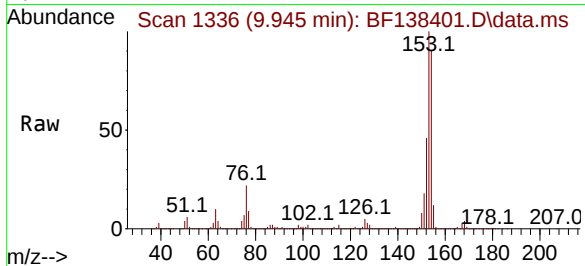




#52
Acenaphthene
Concen: 58.876 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

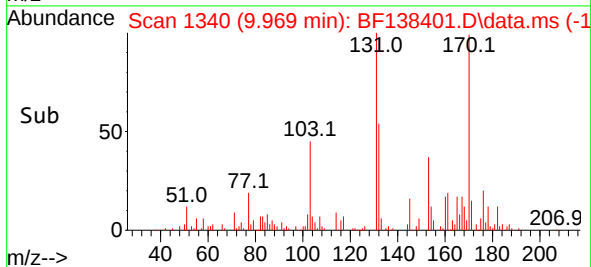
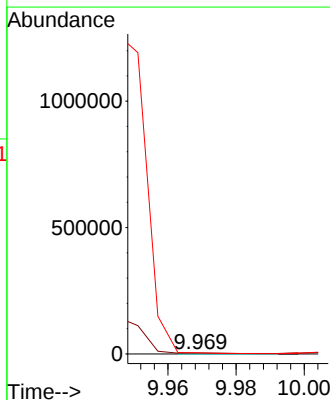
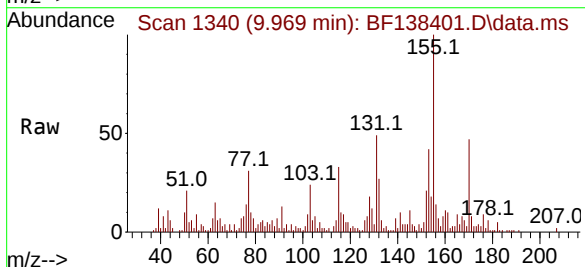
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

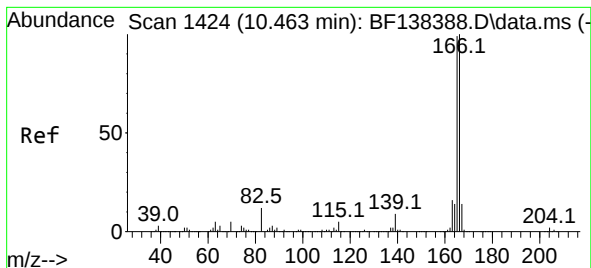
Tgt Ion:154 Resp: 1296539
Ion Ratio Lower Upper
154 100
153 111.5 89.4 134.0
152 51.8 39.7 59.5



#54
2,4-Dinitrophenol
Concen: 9.034 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:184 Resp: 284
Ion Ratio Lower Upper
184 100
63 1250.8 67.3 100.9#
154 1481.3 51.0 76.4#





#58

Fluorene

Concen: 21.919 ng

RT: 10.457 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

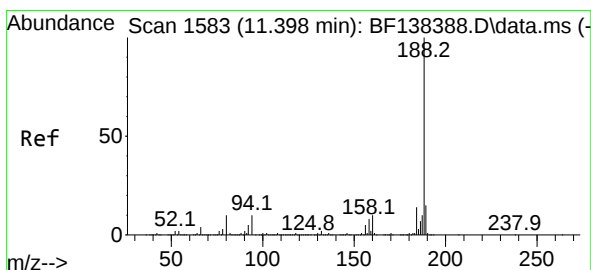
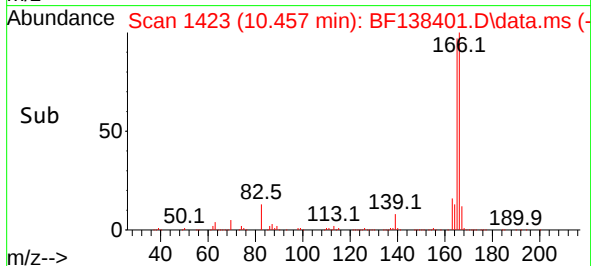
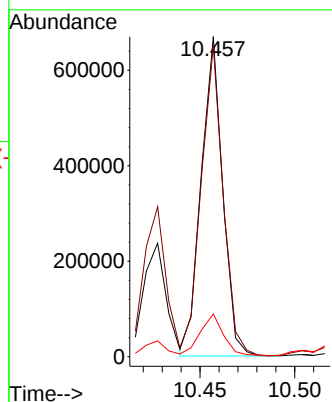
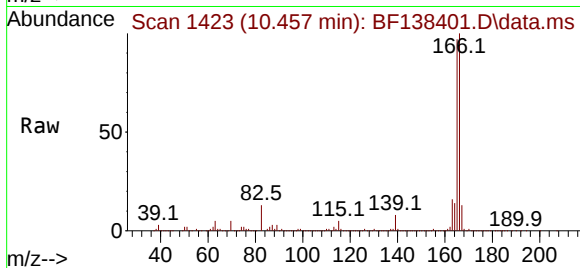
Tgt Ion:166 Resp: 528452

Ion Ratio Lower Upper

166 100

165 97.3 79.0 118.6

167 13.4 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

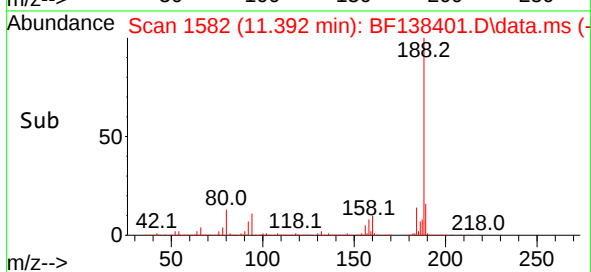
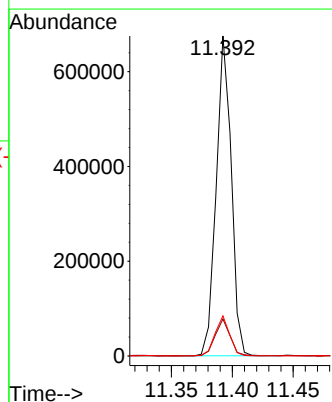
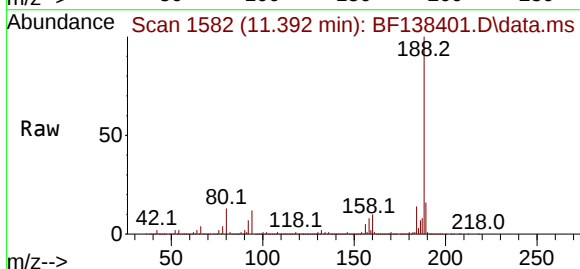
Tgt Ion:188 Resp: 581387

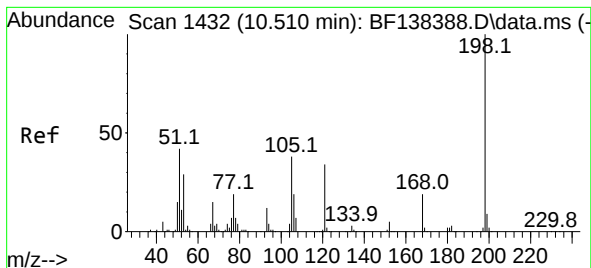
Ion Ratio Lower Upper

188 100

94 11.6 8.0 12.0

80 12.6 8.2 12.4#

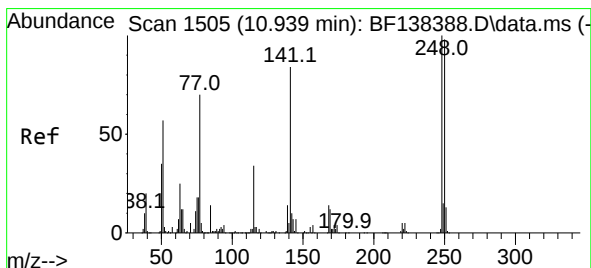
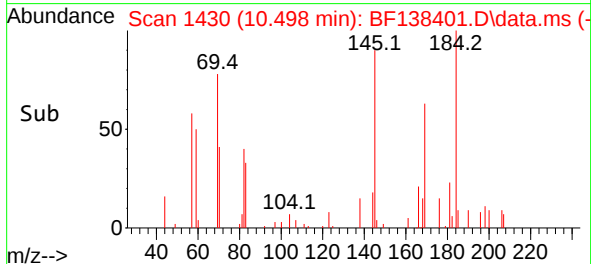
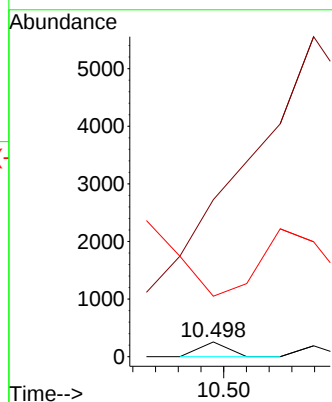
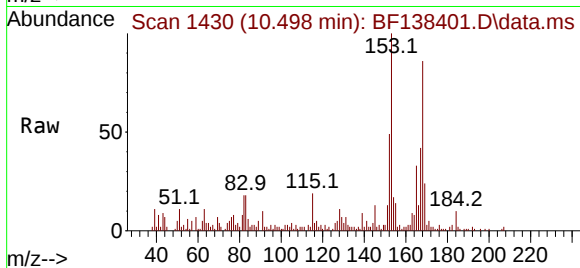




#65
4,6-Dinitro-2-methylphenol
Concen: 5.825 ng
RT: 10.498 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

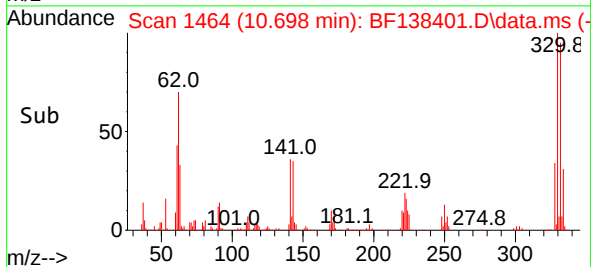
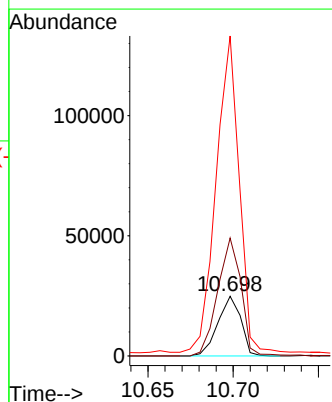
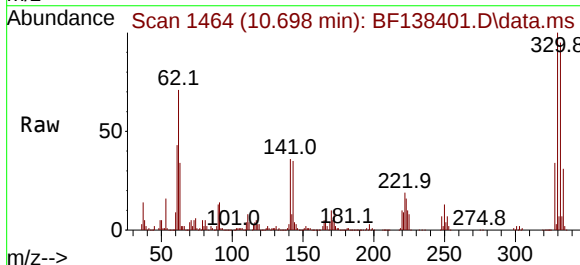
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

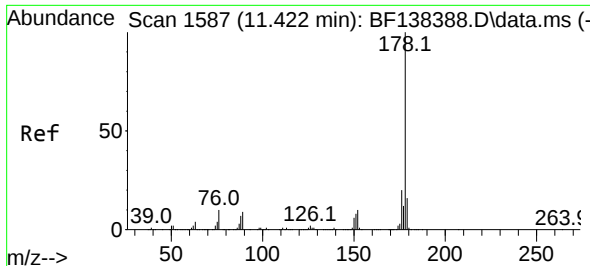
Tgt Ion:198 Resp: 90
Ion Ratio Lower Upper
198 100
51 1068.6 27.9 67.9#
105 411.4 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 3.728 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:248 Resp: 23298
Ion Ratio Lower Upper
248 100
250 197.5 78.2 117.4#
141 536.1 67.6 101.4#

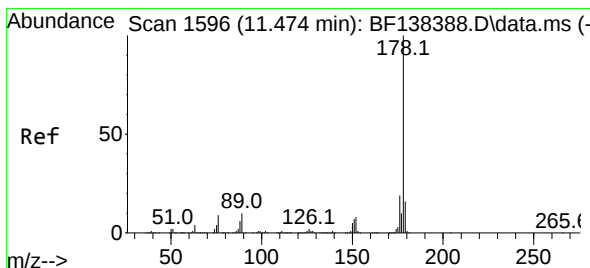
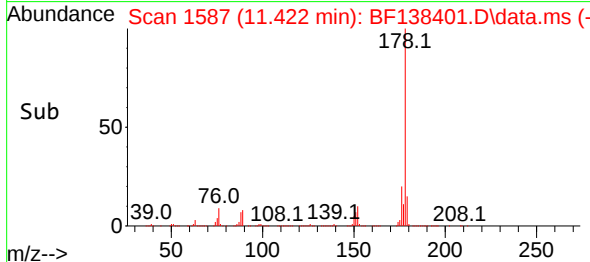
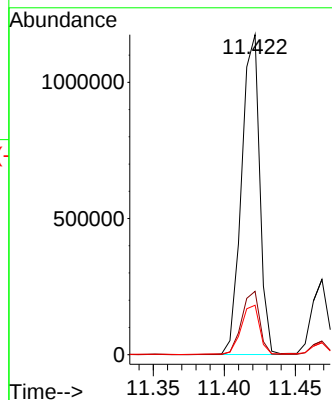
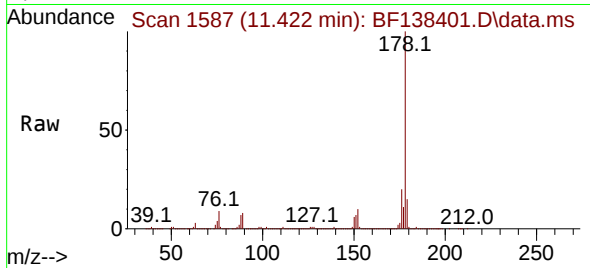




#71
Phenanthrene
Concen: 36.806 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

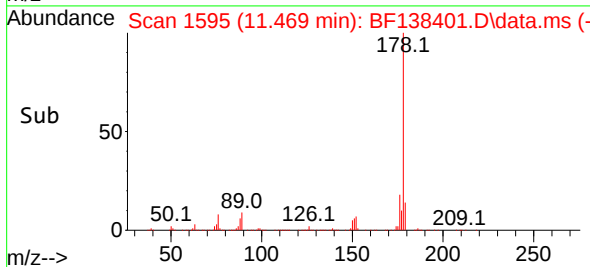
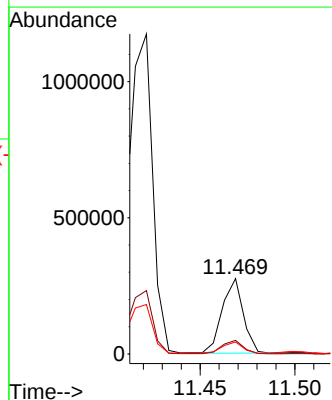
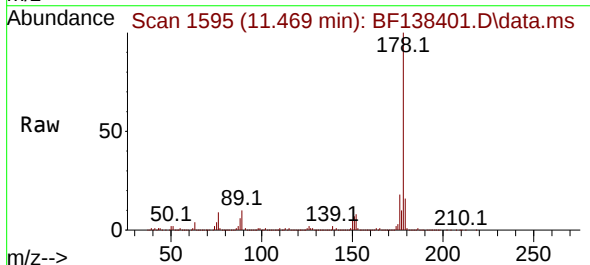
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

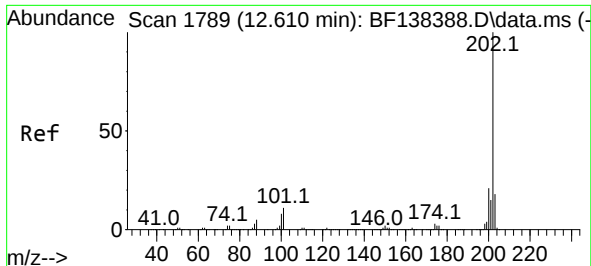
Tgt Ion:178 Resp: 1044766
Ion Ratio Lower Upper
178 100
176 19.8 16.1 24.1
179 15.5 12.6 18.8



#72
Anthracene
Concen: 7.531 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.005 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:178 Resp: 213198
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 16.0 12.7 19.1

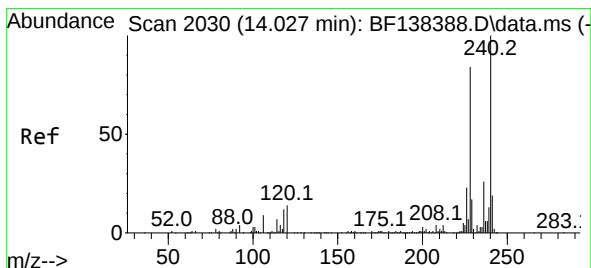
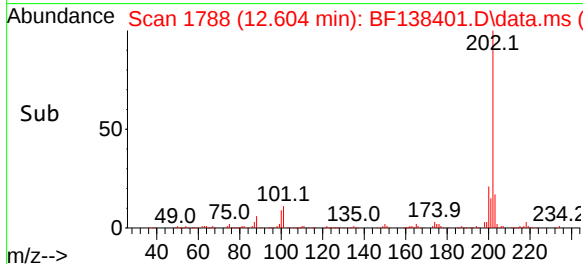
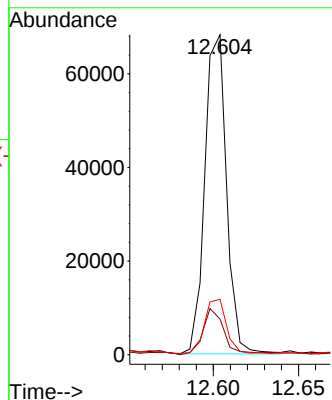
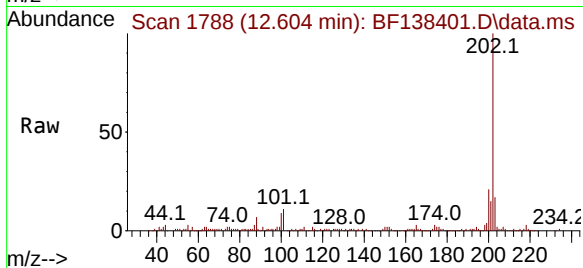




#75
Fluoranthene
Concen: 2.386 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

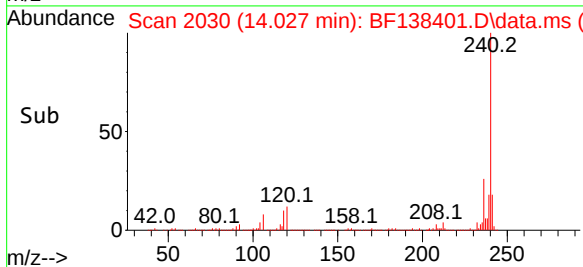
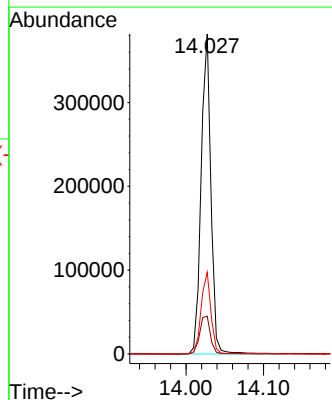
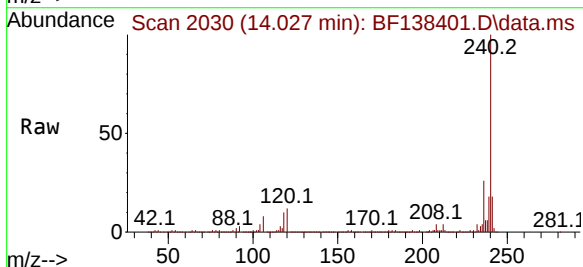
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

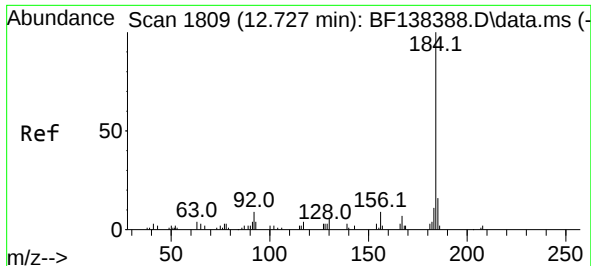
Tgt Ion:202 Resp: 60716
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:240 Resp: 333925
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.6 20.6 30.8

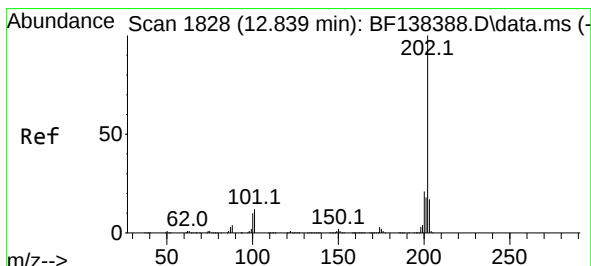
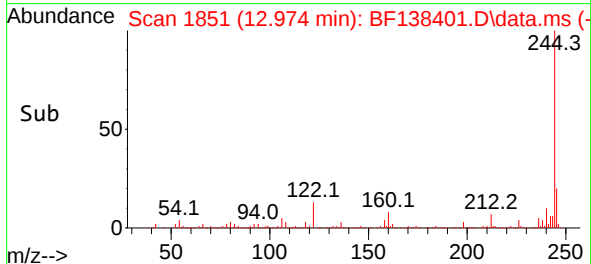
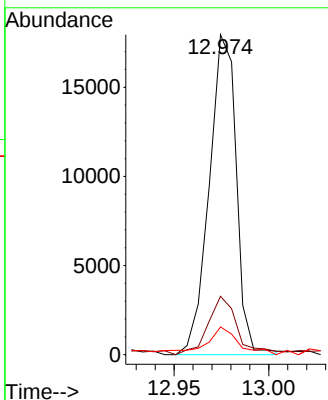
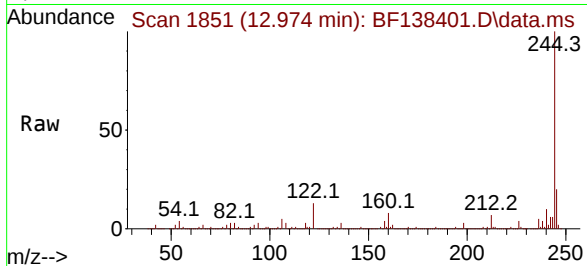




#77
Benzidine
Concen: 6.704 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

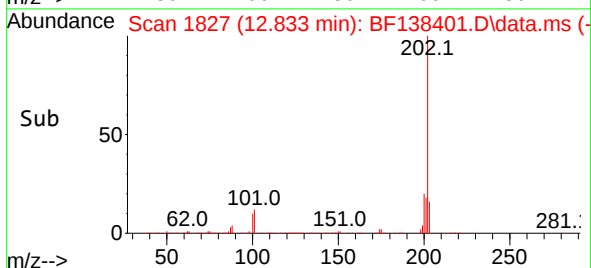
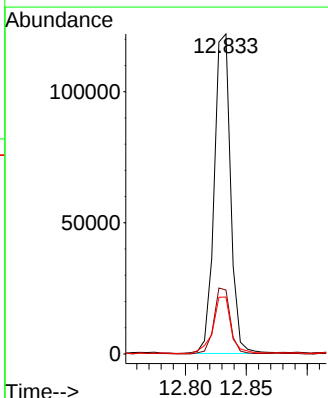
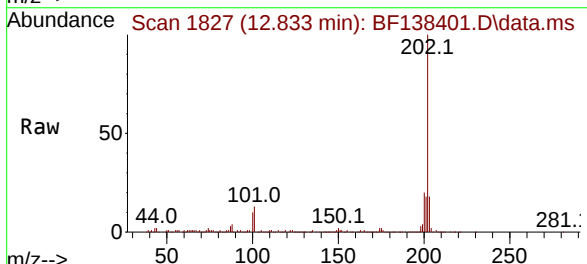
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

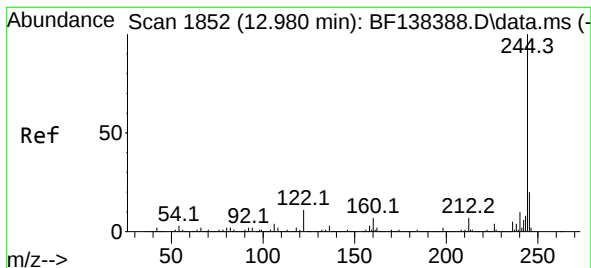
Tgt Ion:184 Resp: 17900
Ion Ratio Lower Upper
184 100
185 18.3 13.0 19.4
183 8.7 9.0 13.6#



#78
Pyrene
Concen: 3.208 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:202 Resp: 114508
Ion Ratio Lower Upper
202 100
200 20.0 16.9 25.3
203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 56.052 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

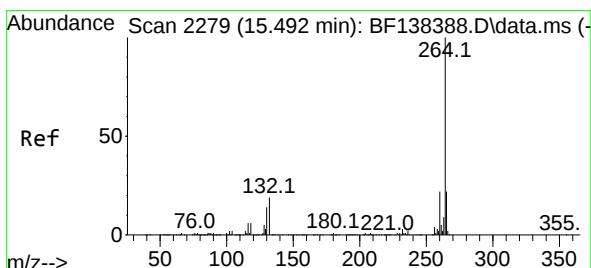
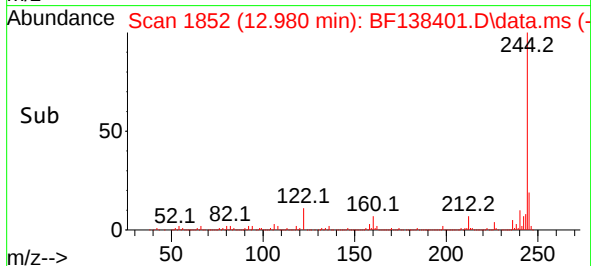
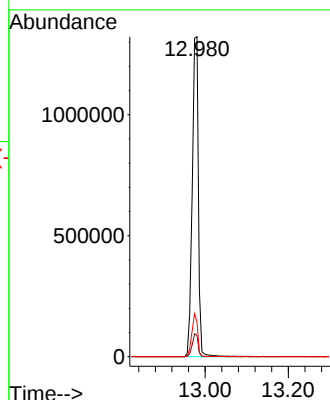
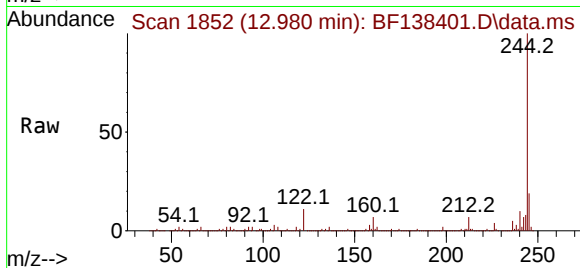
Tgt Ion:244 Resp: 1365787

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.9 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Tgt Ion:264 Resp: 288698

Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.6

265 22.1 17.5 26.3

