

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138403.D
 Acq On : 01 Jul 2024 15:06
 Operator : CG\JU
 Sample : P3092-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW6-20240626-A

Quant Time: Jul 01 15:28:16 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)

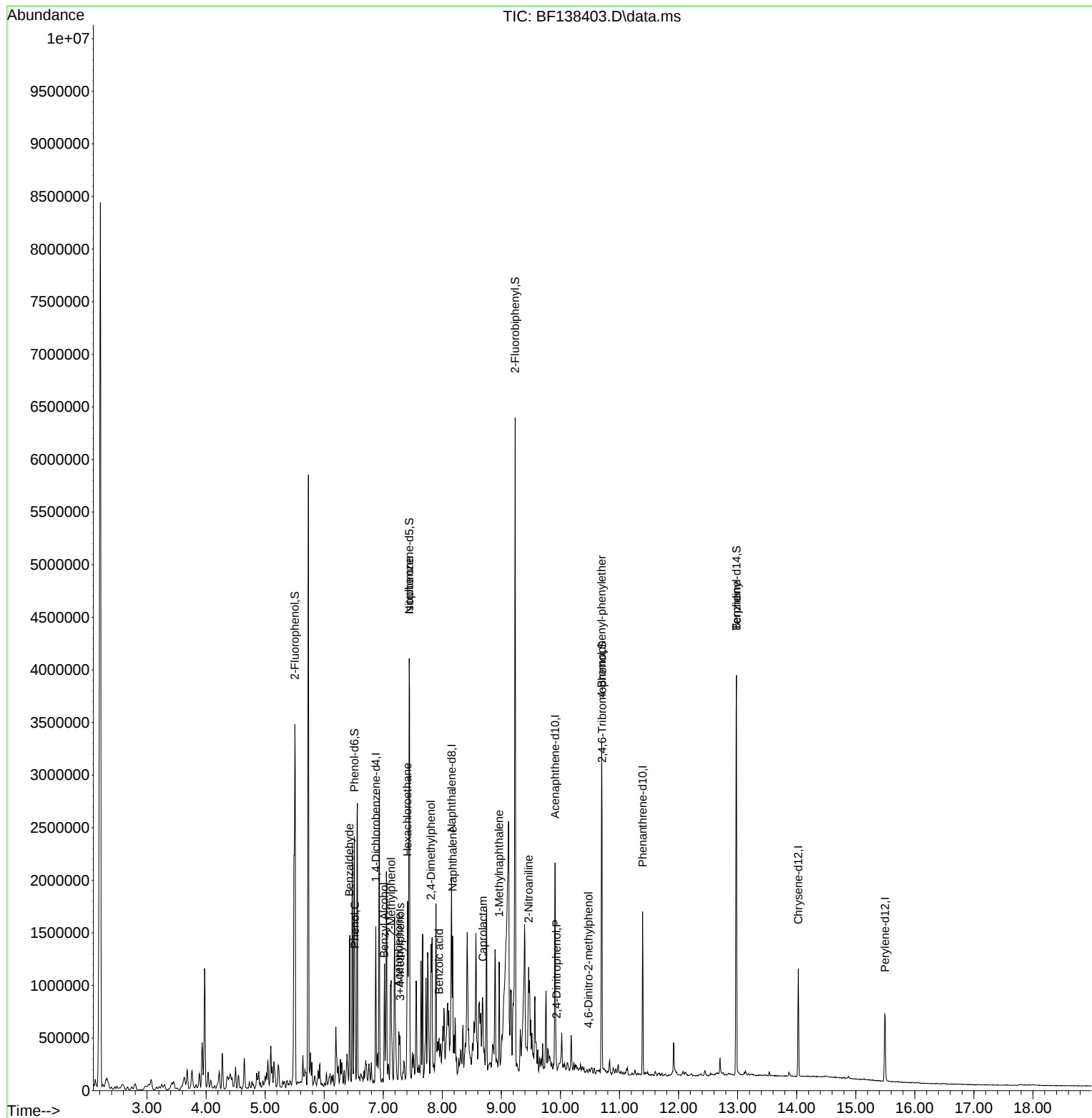
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	180237	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	699705	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	388056	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	512613	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	306818	20.000	ng	0.00
86) Perylene-d12	15.498	264	301725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	896134	82.433	ng	0.00
7) Phenol-d6	6.510	99	764788	52.224	ng	0.00
23) Nitrobenzene-d5	7.439	82	1234310	91.638	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	367274	115.842	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1885250	77.316	ng	0.00
79) Terphenyl-d14	12.980	244	1375701	61.446	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.428	77	54460	6.025	ng	# 1
10) Phenol	6.522	94	163051	10.451	ng	90
15) Benzyl Alcohol	7.016	79	24215	2.309	ng	# 68
17) 2-Methylphenol	7.134	107	86430	8.936	ng	97
18) Hexachloroethane	7.410	117	62682	12.968	ng	# 1
20) 3+4-Methylphenols	7.287	107	44822	3.988	ng	# 71
22) Acetophenone	7.263	105	214154	13.491	ng	# 43
25) Isophorone	7.439	82	1227055	49.406	ng	# 67
27) 2,4-Dimethylphenol	7.810	122	240497	31.800	ng	98
31) Naphthalene	8.175	128	369293	10.440	ng	98
32) Benzoic acid	7.945	122	53858	11.225	ng	# 16
35) Caprolactam	8.686	113	54206	17.672	ng	# 91
38) 1-Methylnaphthalene	8.963	142	80243	3.619	ng	99
48) 2-Nitroaniline	9.463	65	35788	5.022	ng	# 27
54) 2,4-Dinitrophenol	9.933	184	369	9.069	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.475	198	55	5.817	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	24778	4.497	ng	# 1
77) Benzidine	12.980	184	18214	7.424	ng	98

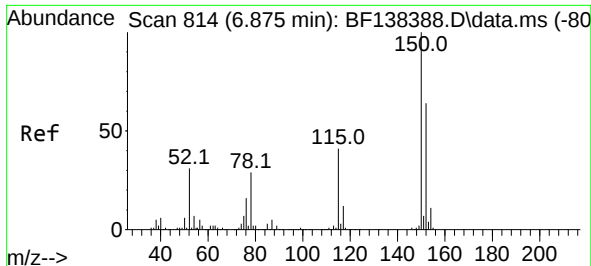
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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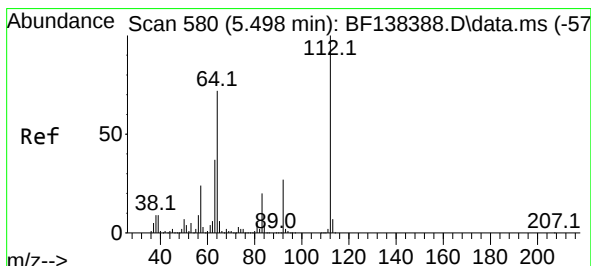
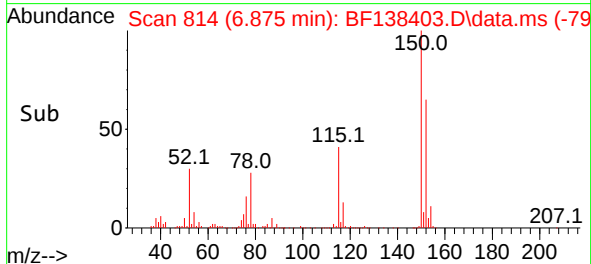
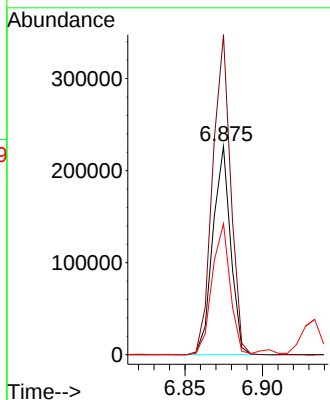
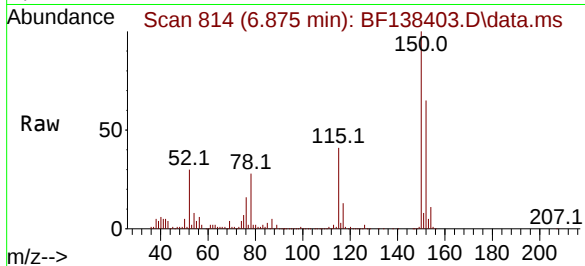




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

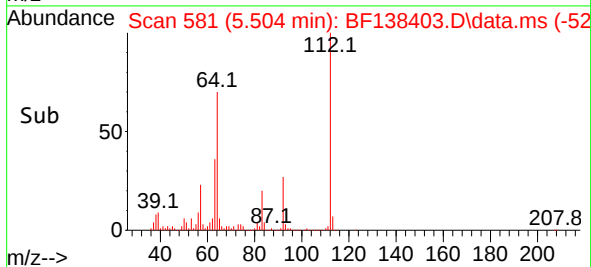
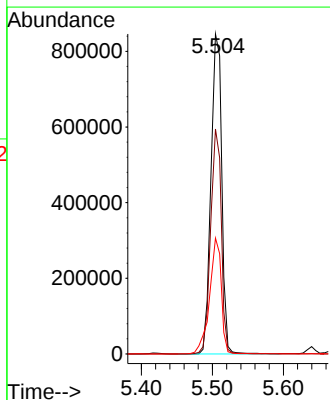
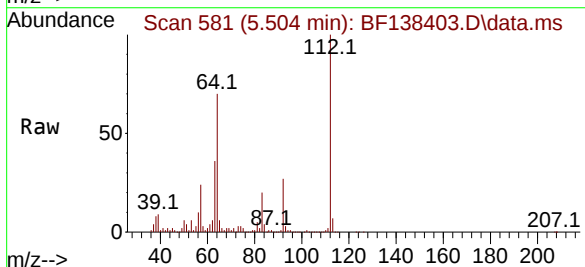
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

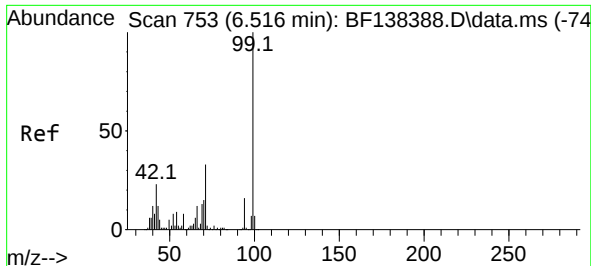
Tgt Ion:152 Resp: 180237
Ion Ratio Lower Upper
152 100
150 153.6 124.9 187.3
115 62.9 50.8 76.2



#5
2-Fluorophenol
Concen: 82.433 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:112 Resp: 896134
Ion Ratio Lower Upper
112 100
64 70.3 57.2 85.8
63 36.2 29.4 44.0

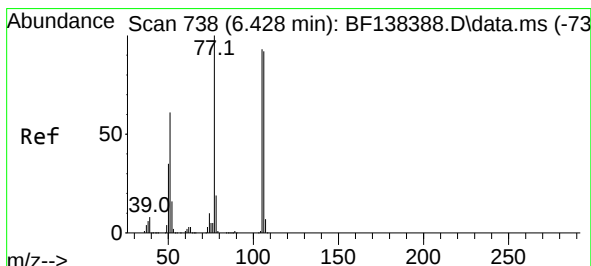
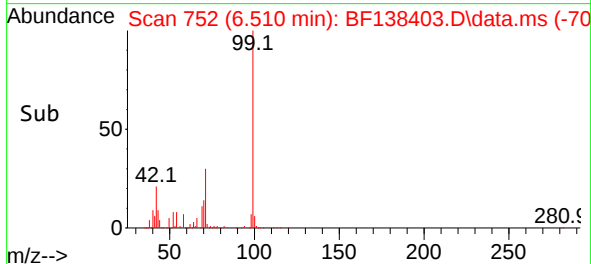
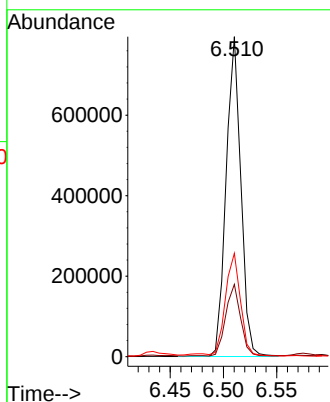
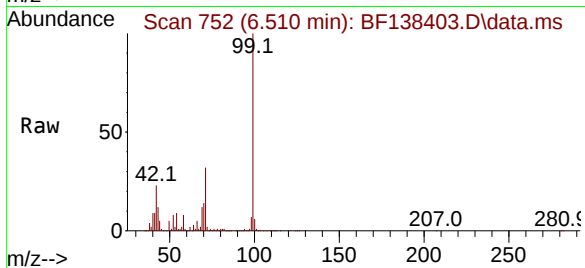




#7
Phenol-d6
Concen: 52.224 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

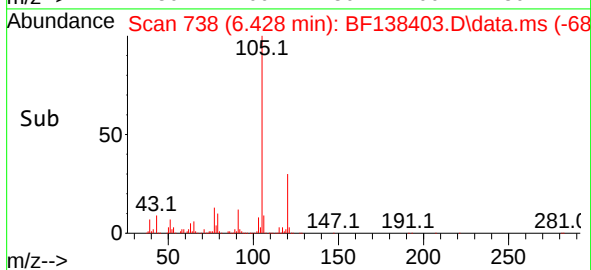
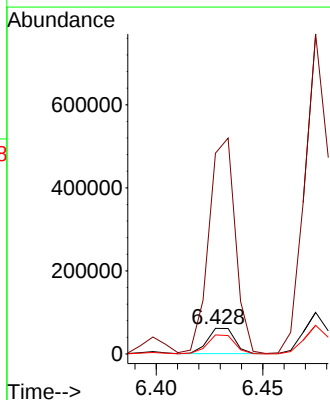
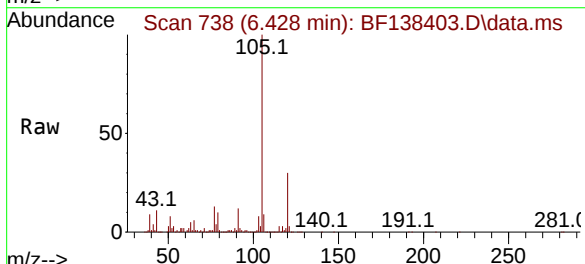
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

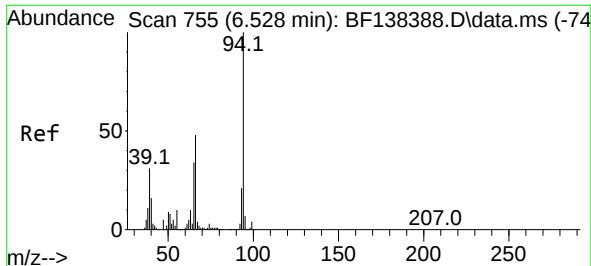
Tgt Ion: 99 Resp: 764788
Ion Ratio Lower Upper
99 100
42 22.6 18.5 27.7
71 32.3 26.1 39.1



#9
Benzaldehyde
Concen: 6.025 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion: 77 Resp: 54460
Ion Ratio Lower Upper
77 100
105 784.9 73.2 113.2#
106 74.6 71.5 111.5

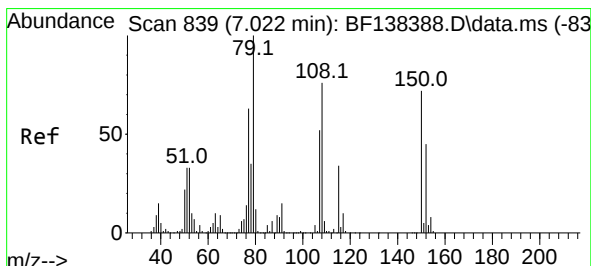
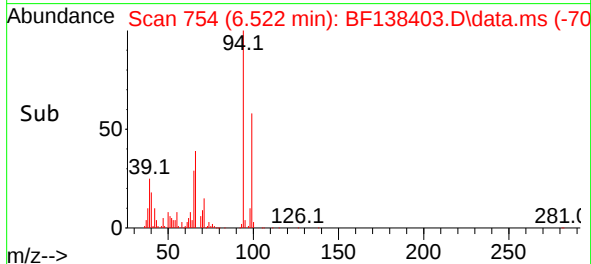
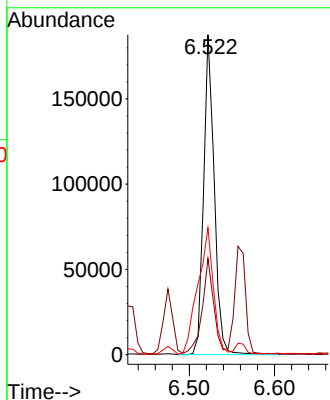
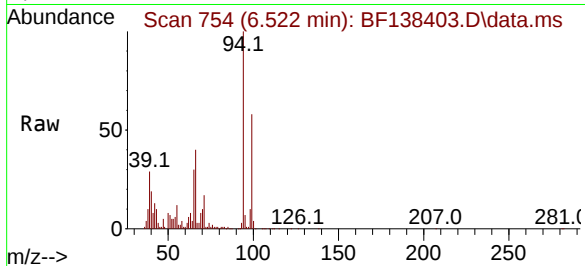




#10
Phenol
Concen: 10.451 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

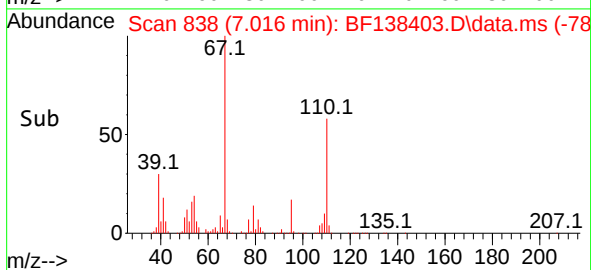
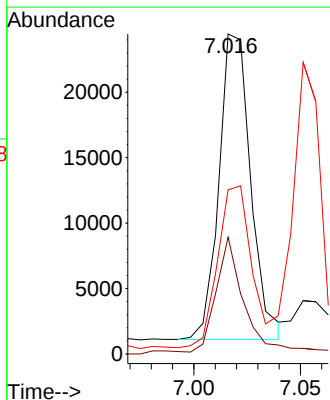
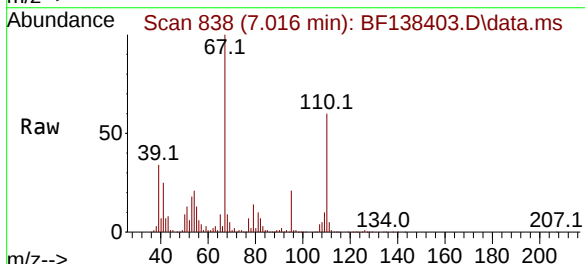
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

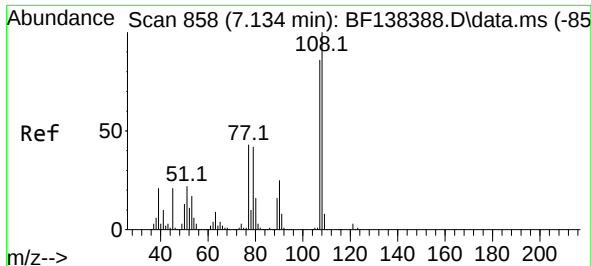
Tgt Ion: 94 Resp: 163051
Ion Ratio Lower Upper
94 100
65 30.1 14.2 54.2
66 39.7 27.9 67.9



#15
Benzyl Alcohol
Concen: 2.309 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion: 79 Resp: 24215
Ion Ratio Lower Upper
79 100
108 36.5 60.9 91.3#
77 51.3 50.6 75.8

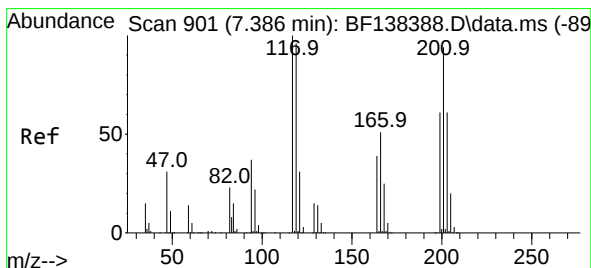
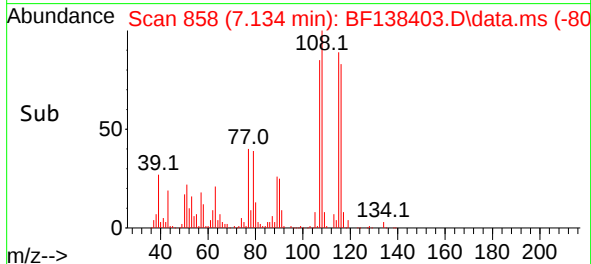
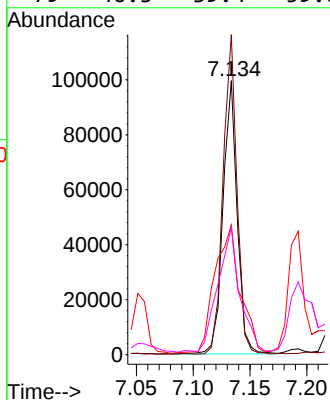
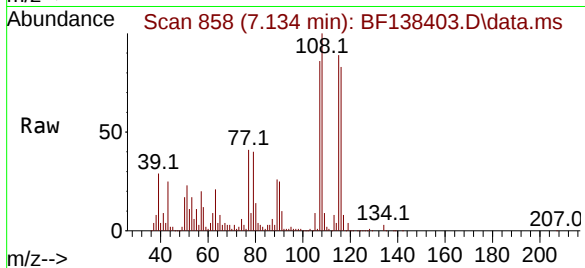




#17
2-Methylphenol
Concen: 8.936 ng
RT: 7.134 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

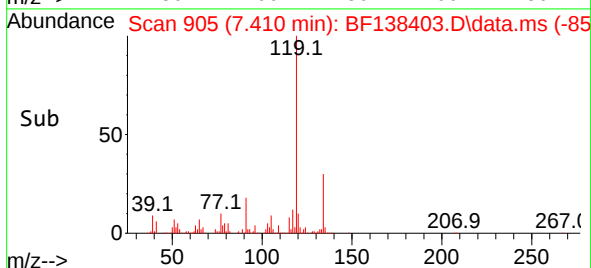
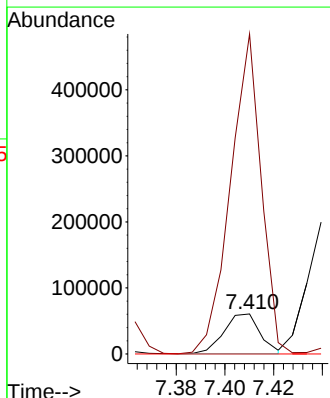
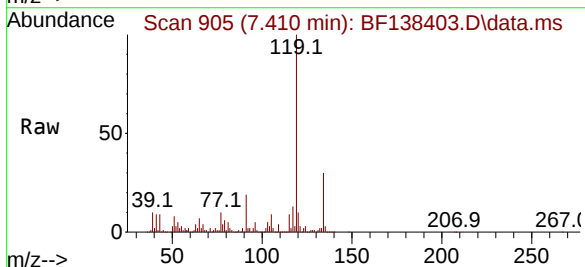
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

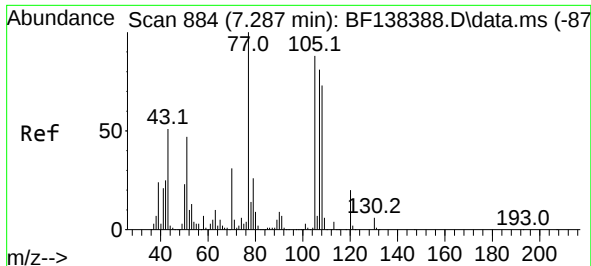
Tgt Ion:	107	Resp:	86430
Ion	Ratio	Lower	Upper
107	100		
108	116.7	92.6	138.8
77	47.3	40.3	60.5
79	46.3	39.4	59.0



#18
Hexachloroethane
Concen: 12.968 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.024 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:	117	Resp:	62682
Ion	Ratio	Lower	Upper
117	100		
119	798.7	77.1	115.7#
201	0.0	75.6	113.4#





#20

3+4-Methylphenols

Concen: 3.988 ng

RT: 7.287 min Scan# 884

Delta R.T. -0.000 min

Lab File: BF138403.D

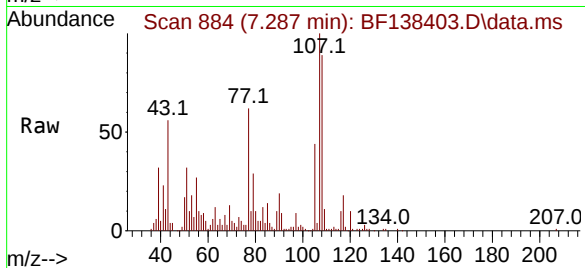
Acq: 01 Jul 2024 15:06

Instrument :

BNA_F

ClientSampleId :

MW6-20240626-A



Tgt Ion:107 Resp: 44822

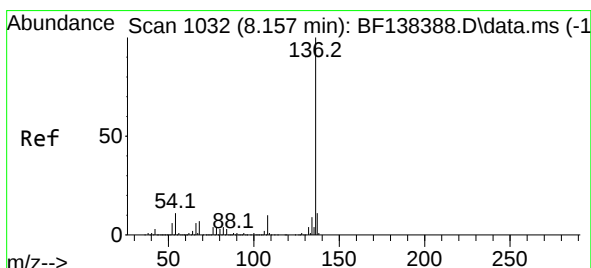
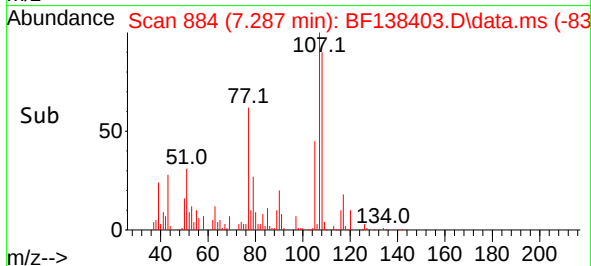
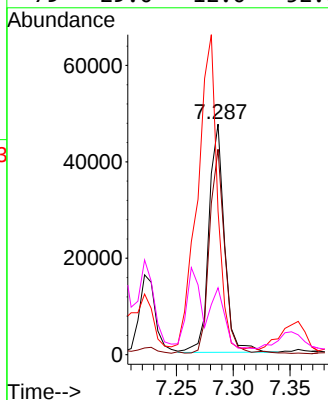
Ion Ratio Lower Upper

107 100

108 89.1 70.8 110.8

77 62.3 104.0 144.0

79 29.0 12.0 52.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1032

Delta R.T. 0.000 min

Lab File: BF138403.D

Acq: 01 Jul 2024 15:06

Tgt Ion:136 Resp: 699705

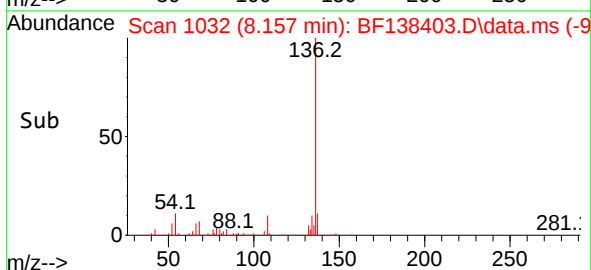
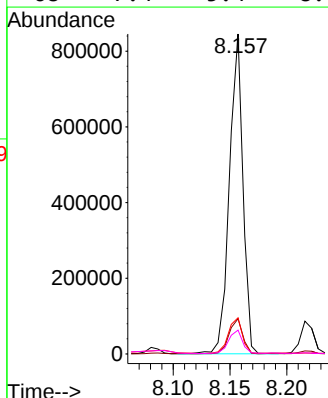
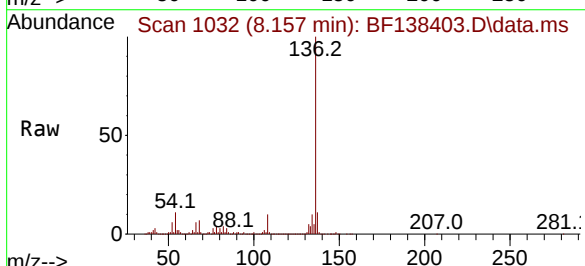
Ion Ratio Lower Upper

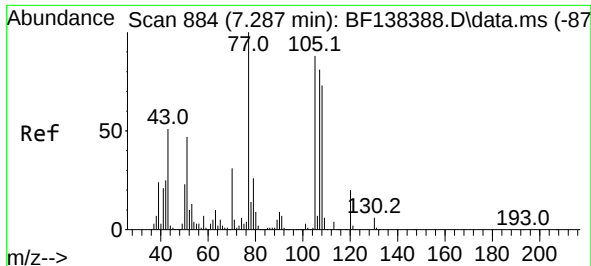
136 100

137 11.0 8.8 13.2

54 11.3 9.0 13.4

68 7.4 5.4 8.0

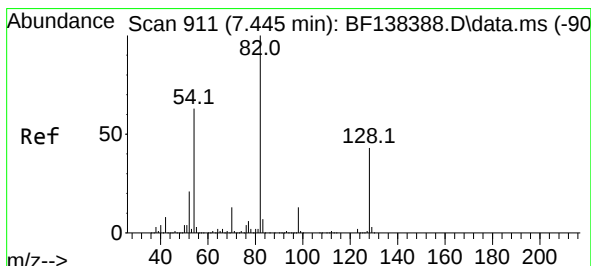
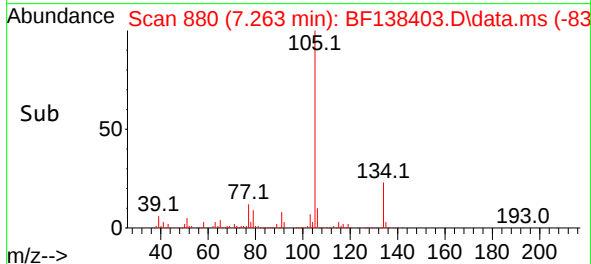
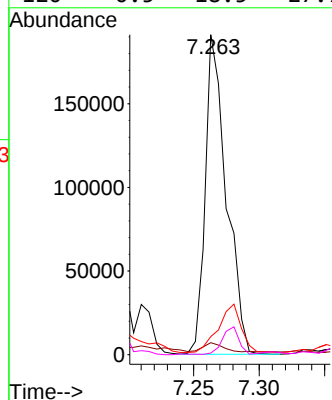
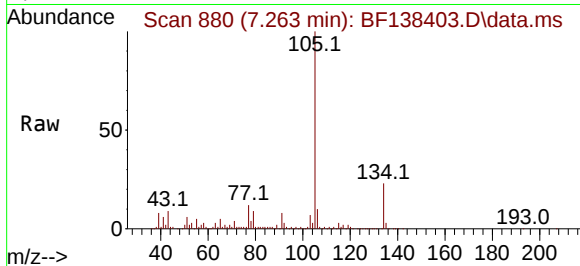




#22
Acetophenone
Concen: 13.491 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.023 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

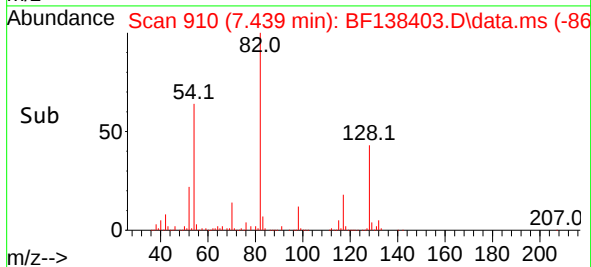
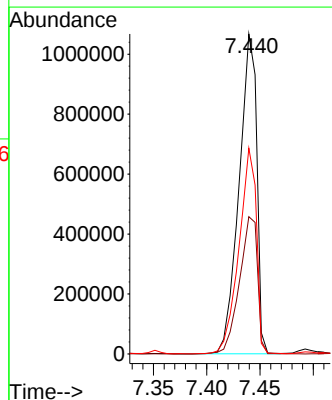
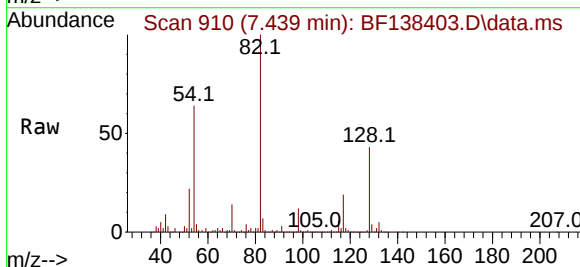
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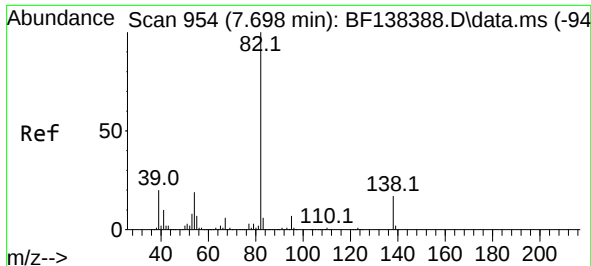
Tgt Ion:105 Resp: 214154
Ion Ratio Lower Upper
105 100
71 3.8 4.7 7.1#
51 5.7 43.2 64.8#
120 0.5 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 91.638 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion: 82 Resp: 1234310
Ion Ratio Lower Upper
82 100
128 42.9 34.6 52.0
54 64.3 50.5 75.7

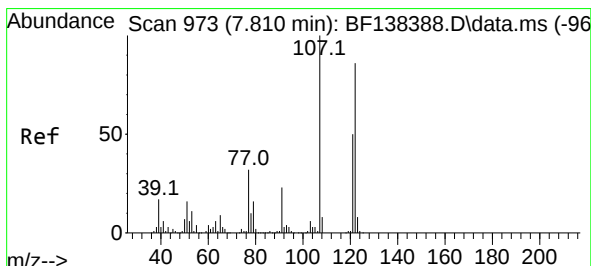
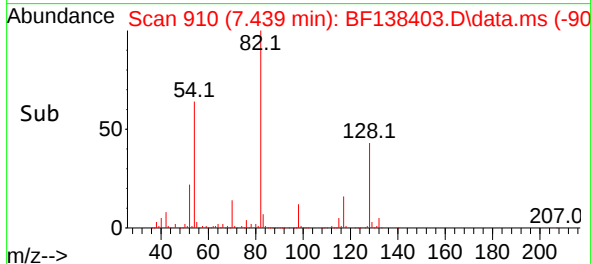
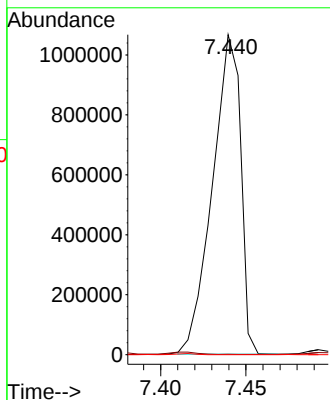
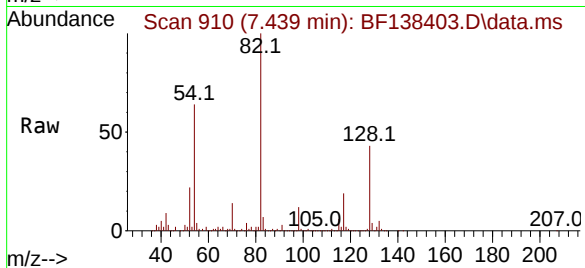




#25
Isophorone
Concen: 49.406 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.259 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

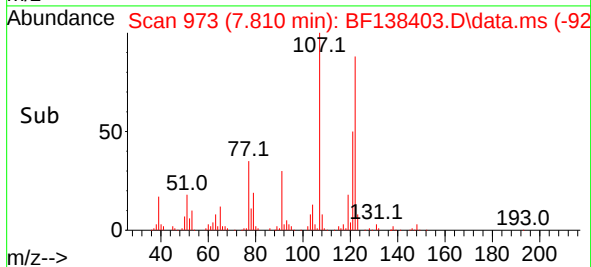
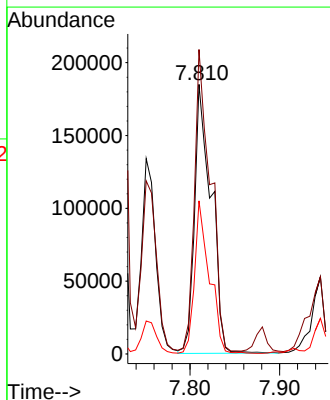
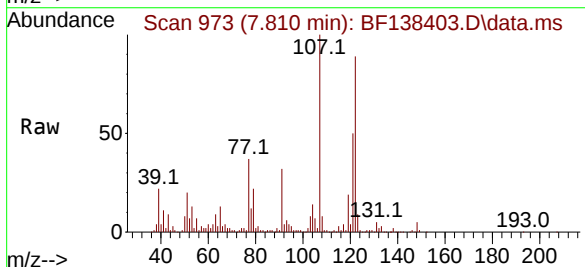
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

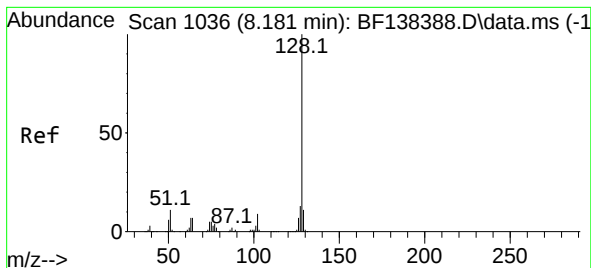
Tgt Ion: 82 Resp: 1227055
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.4 20.2#



#27
2,4-Dimethylphenol
Concen: 31.800 ng
RT: 7.810 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:122 Resp: 240497
Ion Ratio Lower Upper
122 100
107 112.9 92.5 138.7
121 56.8 46.5 69.7





#31

Naphthalene

Concen: 10.440 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138403.D

Acq: 01 Jul 2024 15:06

Instrument :

BNA_F

ClientSampleId :

MW6-20240626-A

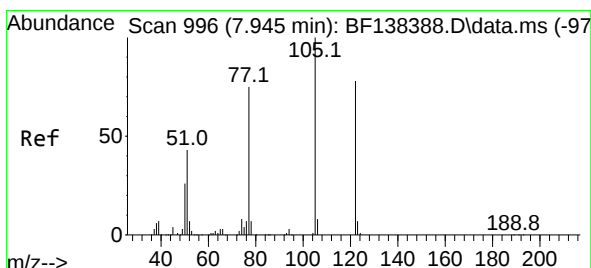
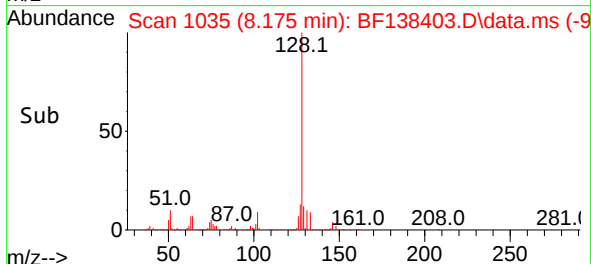
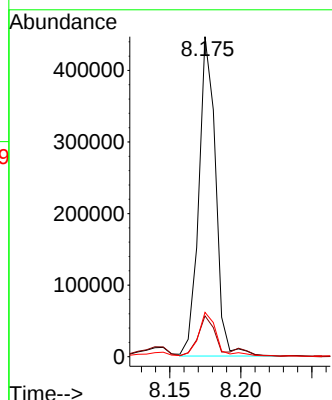
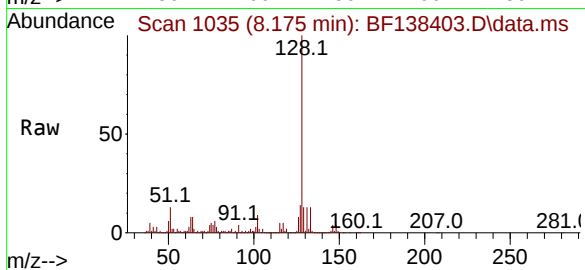
Tgt Ion:128 Resp: 369293

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

127 13.8 10.6 16.0



#32

Benzoic acid

Concen: 11.225 ng

RT: 7.945 min Scan# 996

Delta R.T. 0.000 min

Lab File: BF138403.D

Acq: 01 Jul 2024 15:06

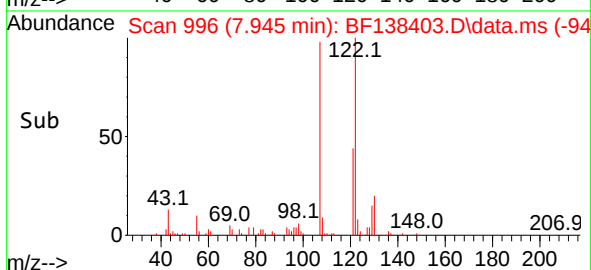
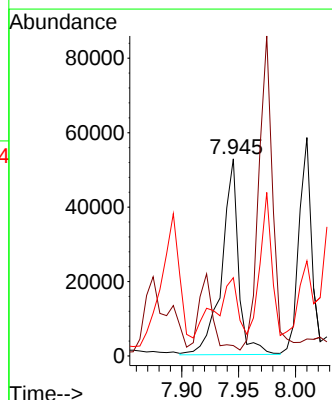
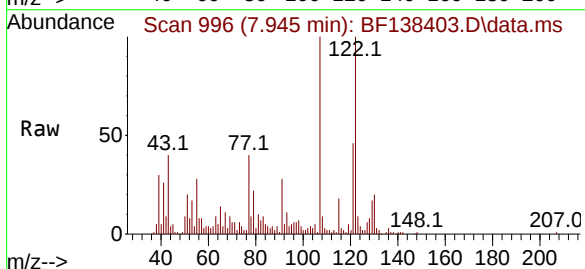
Tgt Ion:122 Resp: 53858

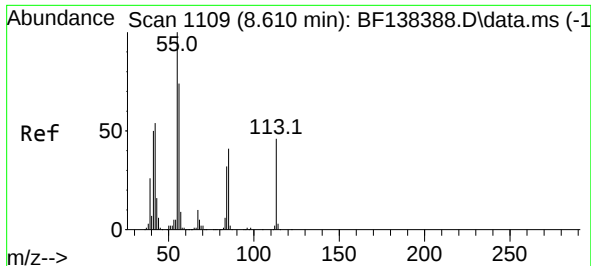
Ion Ratio Lower Upper

122 100

105 5.3 103.8 143.8#

77 39.7 74.3 114.3#

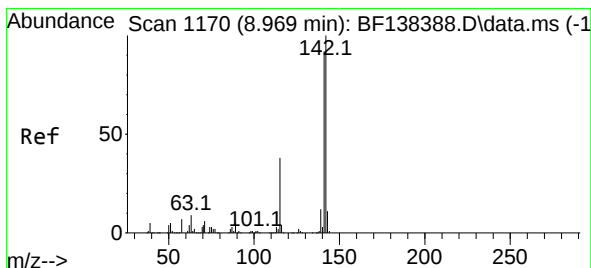
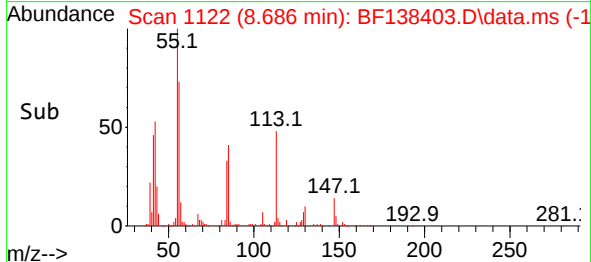
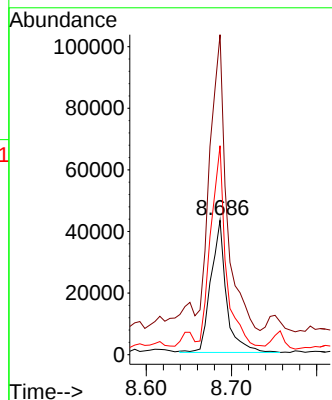
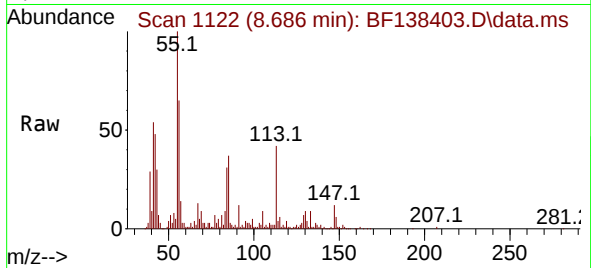




#35
Caprolactam
Concen: 17.672 ng
RT: 8.686 min Scan# 1112
Delta R.T. 0.077 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

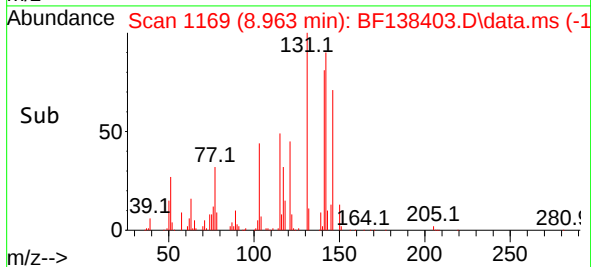
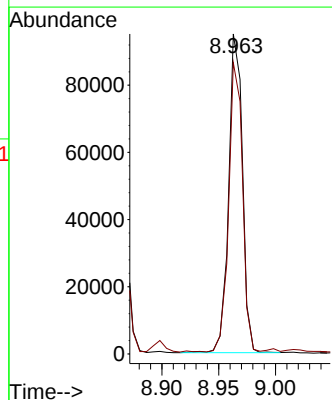
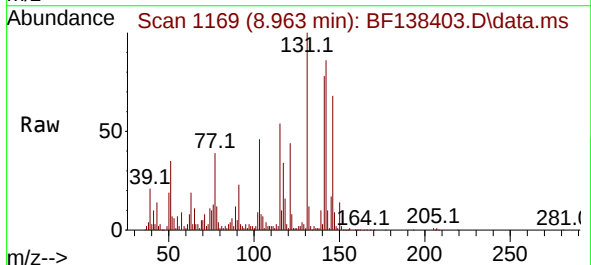
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

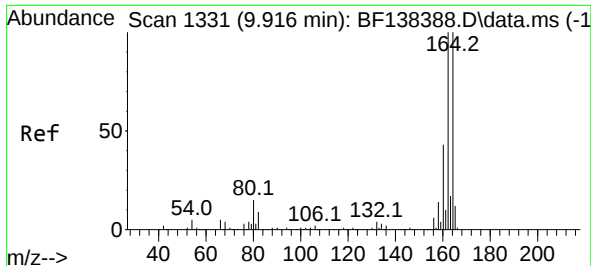
Tgt Ion:113 Resp: 54206
Ion Ratio Lower Upper
113 100
55 238.2 195.9 235.9#
56 155.6 138.7 178.7



#38
1-Methylnaphthalene
Concen: 3.619 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:142 Resp: 80243
Ion Ratio Lower Upper
142 100
141 91.0 73.7 110.5

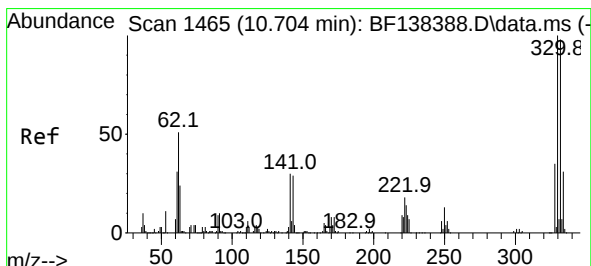
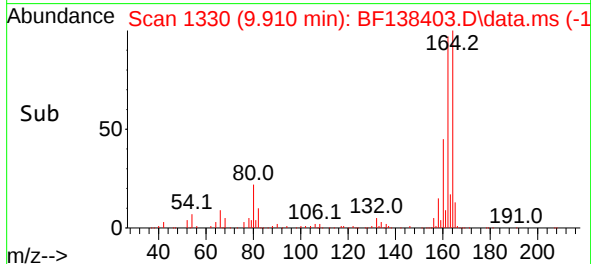
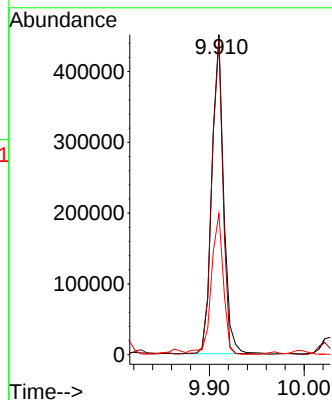
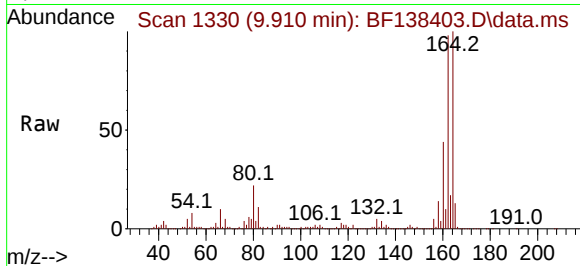




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

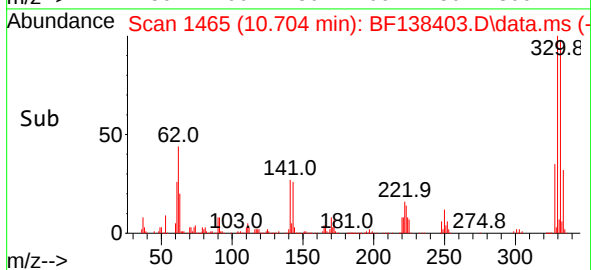
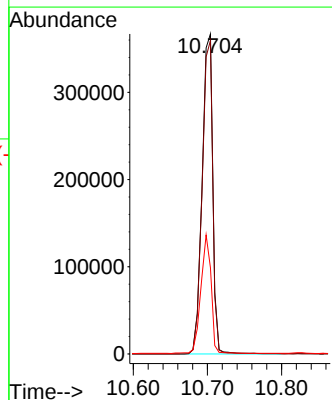
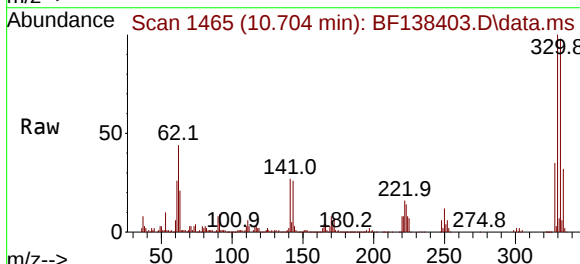
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

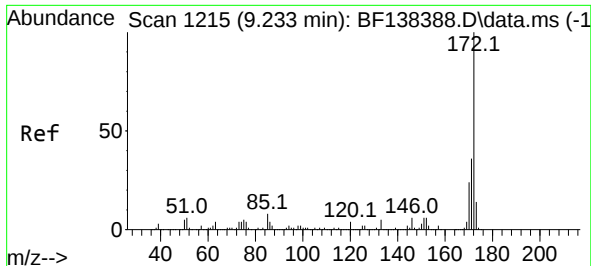
Tgt Ion:164 Resp: 388056
Ion Ratio Lower Upper
164 100
162 98.4 80.1 120.1
160 44.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 115.842 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:330 Resp: 367274
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 35.6 28.1 42.1

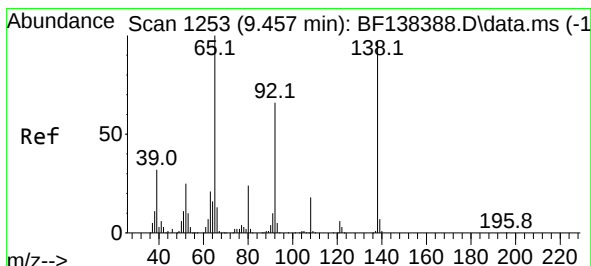
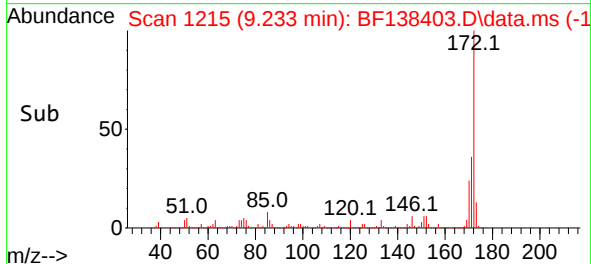
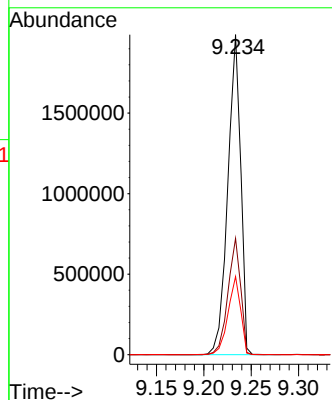
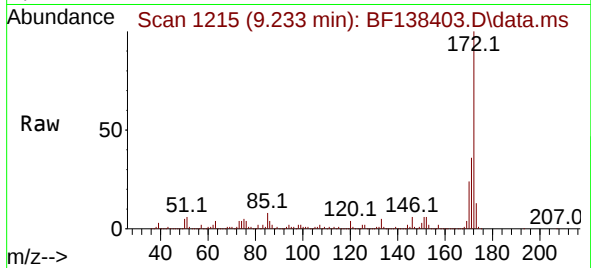




#45
2-Fluorobiphenyl
Concen: 77.316 ng
RT: 9.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

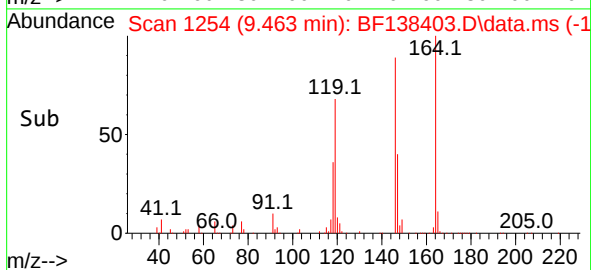
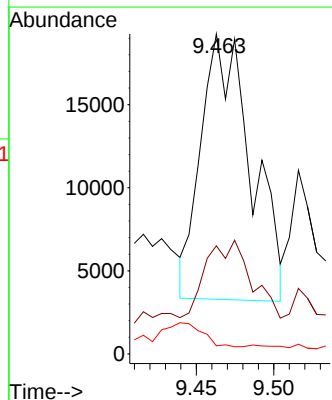
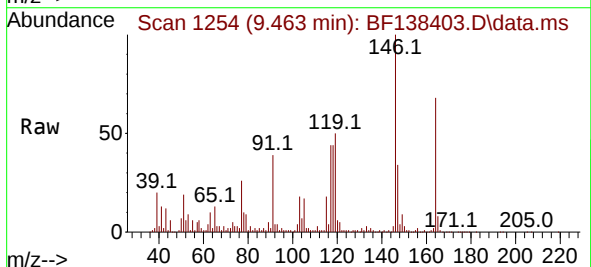
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

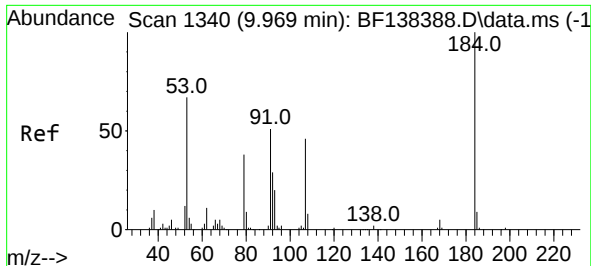
Tgt Ion:172 Resp: 1885250
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 24.4 19.0 28.6



#48
2-Nitroaniline
Concen: 5.022 ng
RT: 9.463 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion: 65 Resp: 35788
Ion Ratio Lower Upper
65 100
92 33.8 52.6 79.0#
138 2.5 77.4 116.0#

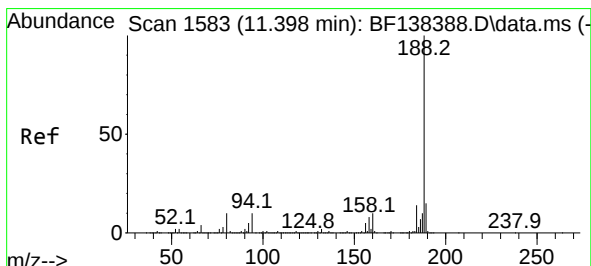
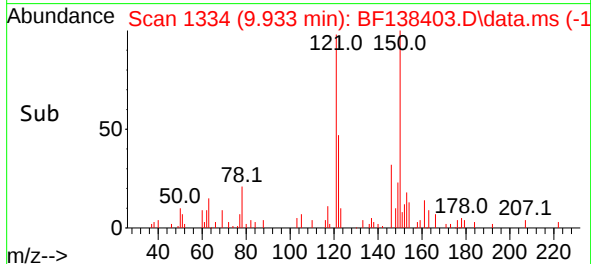
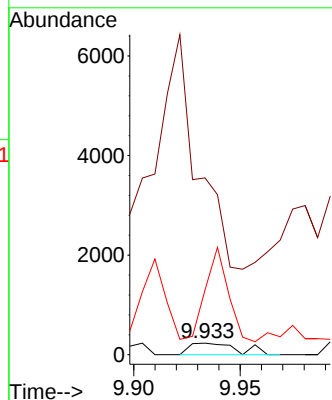
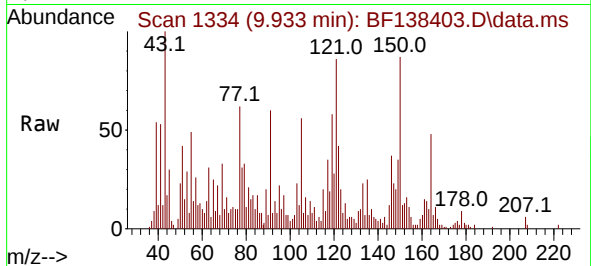




#54
2,4-Dinitrophenol
Concen: 9.069 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.036 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

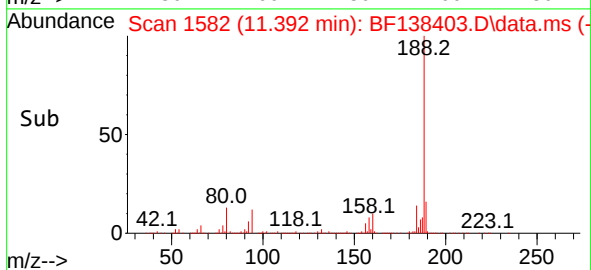
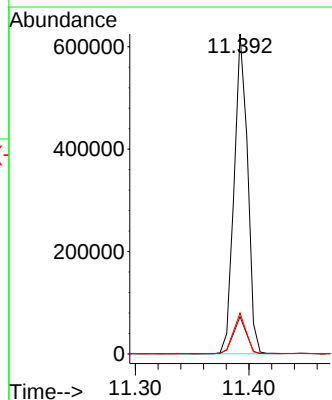
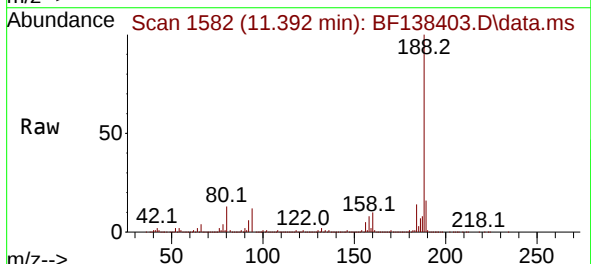
Instrument :
BNA_F
ClientSampleId :
MW6-20240626-A

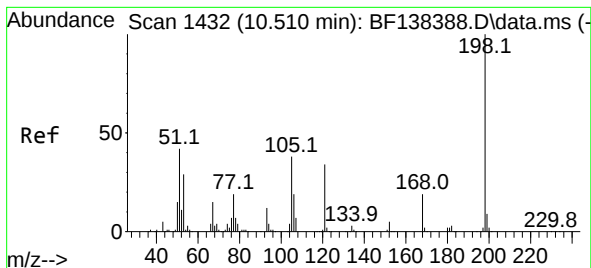
Tgt Ion:184 Resp: 369
Ion Ratio Lower Upper
184 100
63 1537.2 67.3 100.9#
154 562.8 51.0 76.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:188 Resp: 512613
Ion Ratio Lower Upper
188 100
94 11.6 8.0 12.0
80 12.8 8.2 12.4#

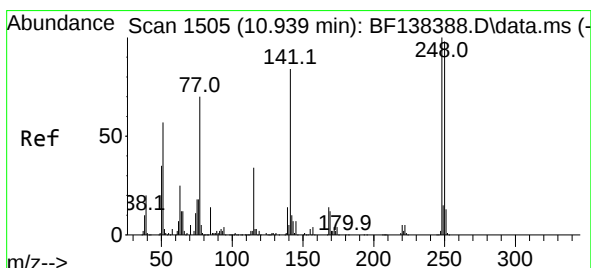
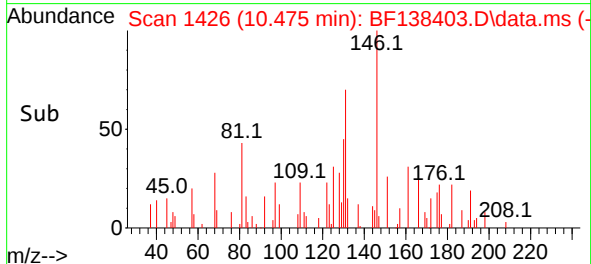
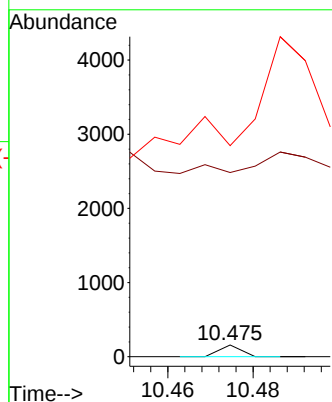
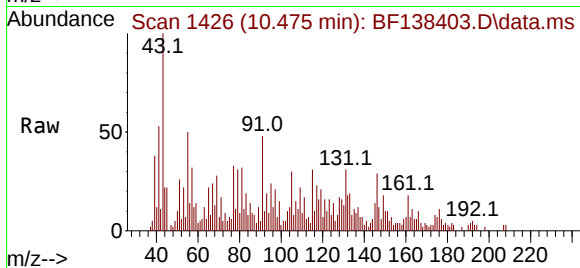




#65
4,6-Dinitro-2-methylphenol
Concen: 5.817 ng
RT: 10.475 min Scan# 1432
Delta R.T. -0.035 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

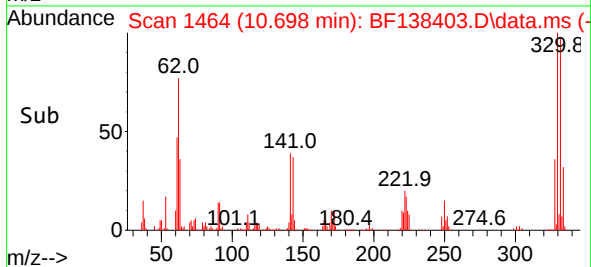
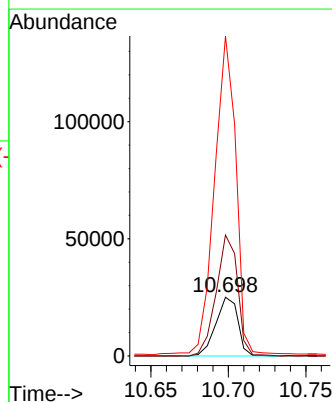
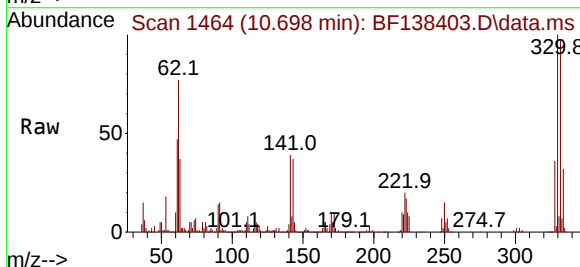
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BNA_F
ClientSampleId :
MW6-20240626-A

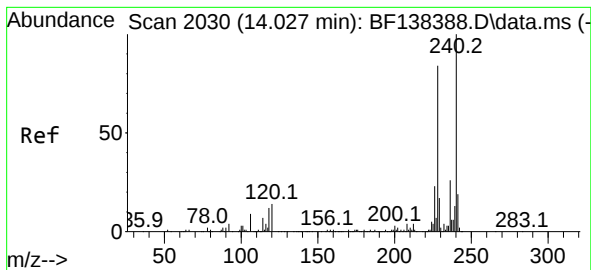
Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 1582.2 27.9 67.9#
105 1812.7 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 4.497 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.241 min
Lab File: BF138403.D
Acq: 01 Jul 2024 15:06

Tgt Ion:248 Resp: 24778
Ion Ratio Lower Upper
248 100
250 205.9 78.2 117.4#
141 544.9 67.6 101.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138403.D

Acq: 01 Jul 2024 15:06

Instrument :

BNA_F

ClientSampleId :

MW6-20240626-A

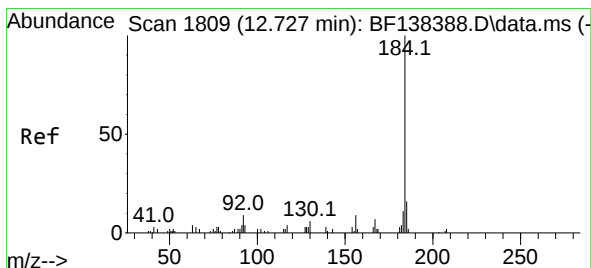
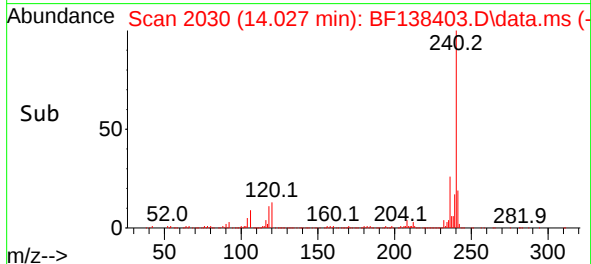
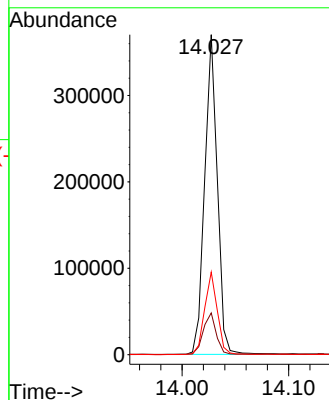
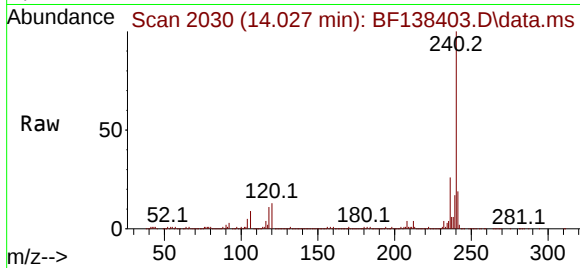
Tgt Ion:240 Resp: 306818

Ion Ratio Lower Upper

240 100

120 13.1 10.9 16.3

236 25.8 20.6 30.8



#77

Benzidine

Concen: 7.424 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF138403.D

Acq: 01 Jul 2024 15:06

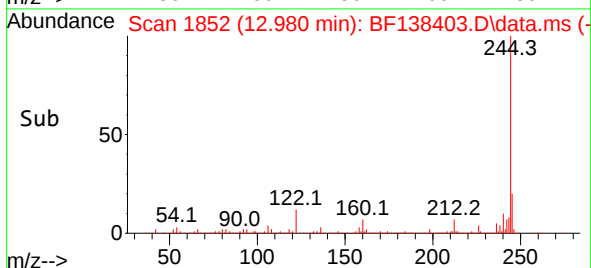
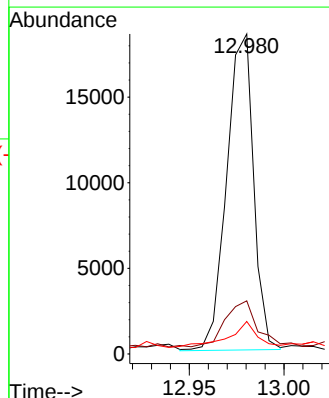
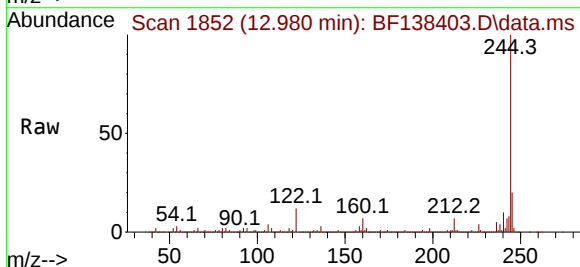
Tgt Ion:184 Resp: 18214

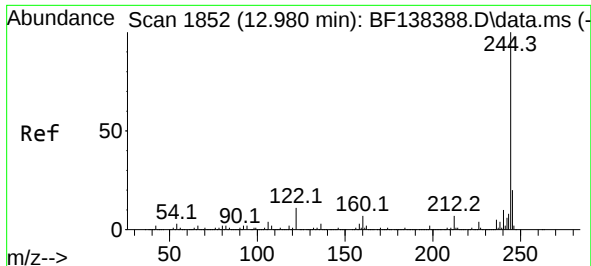
Ion Ratio Lower Upper

184 100

185 16.6 13.0 19.4

183 10.2 9.0 13.6

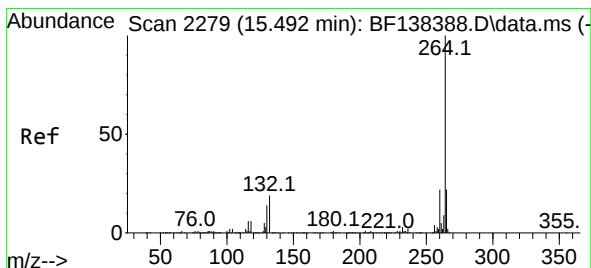
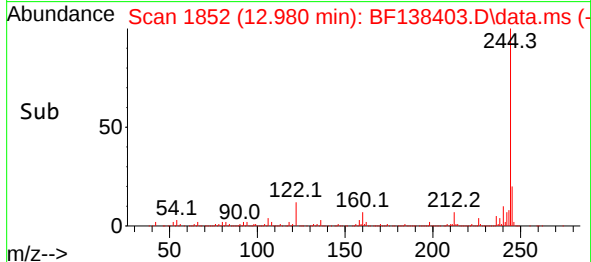
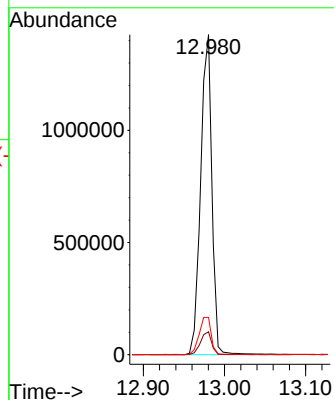
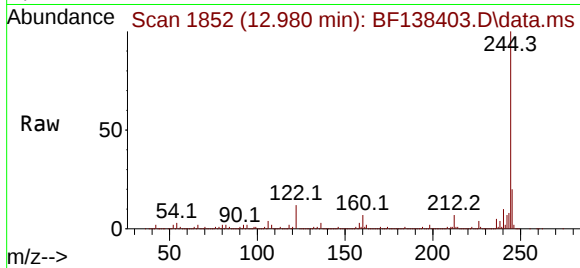




#79
 Terphenyl-d14
 Concen: 61.446 ng
 RT: 12.980 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF138403.D
 Acq: 01 Jul 2024 15:06

Instrument :
 BNA_F
 ClientSampleId :
 MW6-20240626-A

Tgt Ion:244 Resp: 1375701
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 11.7 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2280
 Delta R.T. 0.006 min
 Lab File: BF138403.D
 Acq: 01 Jul 2024 15:06

Tgt Ion:264 Resp: 301725
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.8 26.6
 265 21.7 17.5 26.3

