

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133278.D
 Acq On : 05 May 2023 22:54
 Operator : CG\JU
 Sample : 02597-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503-A

Quant Time: May 06 05:53:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

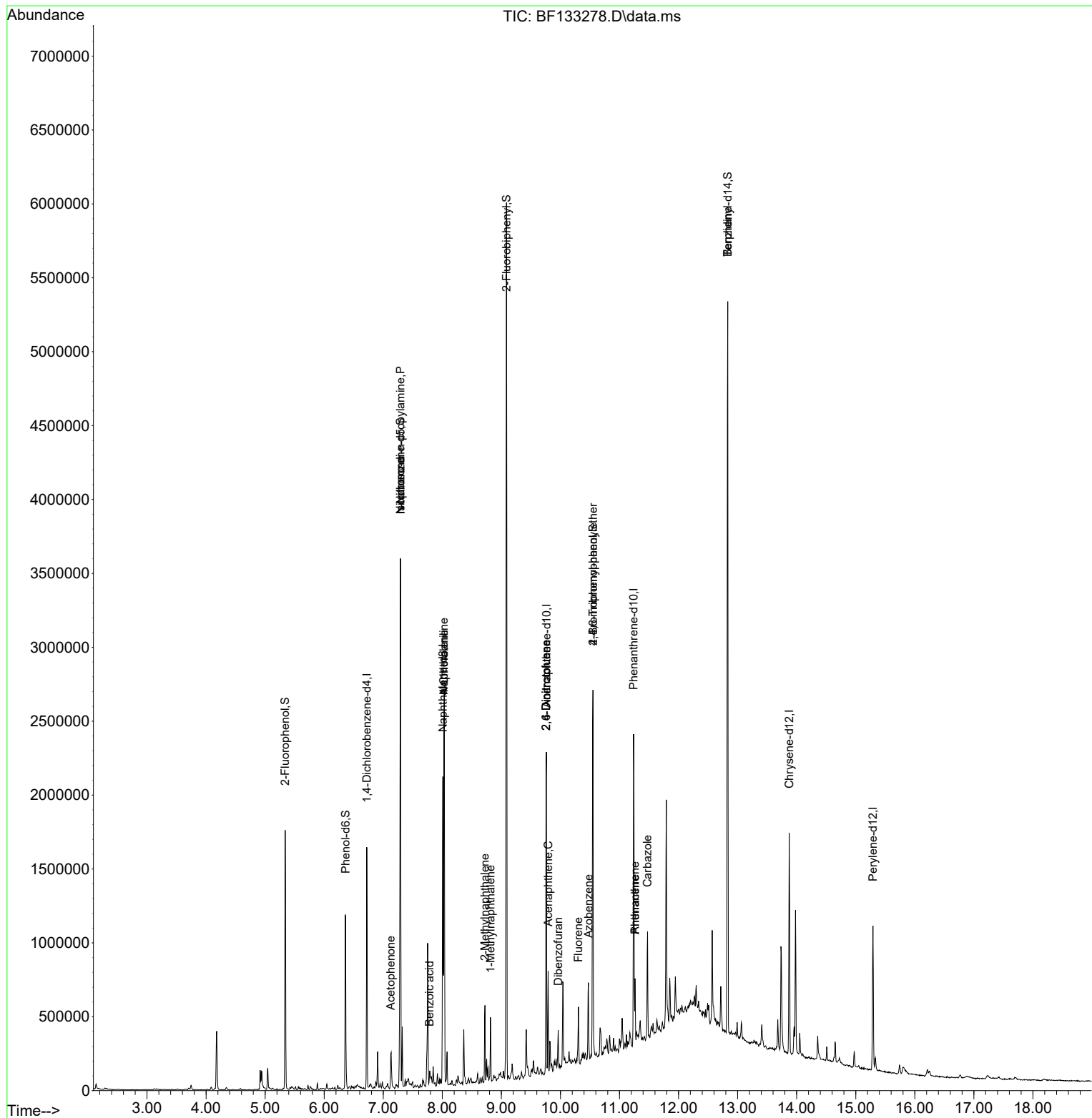
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	209717	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	850513	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	448026	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	773497	20.000	ng	0.00
76) Chrysene-d12	13.874	240	456488	20.000	ng	0.00
86) Perylene-d12	15.292	264	403620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	469939	33.850	ng	0.00
7) Phenol-d6	6.363	99	379705	22.035	ng	0.00
23) Nitrobenzene-d5	7.292	82	1108163	70.328	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	307381	68.220	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1846519	68.952	ng	0.00
79) Terphenyl-d14	12.833	244	1902557	71.881	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	1631	Below Cal	#	87
19) n-Nitroso-di-n-propyla...	7.292	70	146802	13.685	ng	# 76
22) Acetophenone	7.128	105	55746	2.829	ng	# 95
25) Isophorone	7.292	82	1106807	36.996	ng	# 63
31) Naphthalene	8.028	128	884672	20.805	ng	99
32) Benzoic acid	7.786	122	20548	2.519	ng	# 30
33) 4-Chloroaniline	8.028	127	117238	6.824	ng	# 33
37) 2-Methylnaphthalene	8.722	142	127843	4.397	ng	100
38) 1-Methylnaphthalene	8.816	142	98902	3.637	ng	97
51) 2,6-Dinitrotoluene	9.757	165	58975	8.387	ng	# 25
52) Acenaphthene	9.792	154	130872	4.703	ng	98
55) Dibenzofuran	9.963	168	87285	2.299	ng	98
57) 2,4-Dinitrotoluene	9.757	165	58975	6.577	ng	# 24
58) Fluorene	10.304	166	81359	2.925	ng	100
63) Azobenzene	10.474	77	88803	2.841	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	19948	2.378	ng	# 1
71) Phenanthrene	11.263	178	144353	3.472	ng	98
72) Anthracene	11.263	178	144353	3.393	ng	97
73) Carbazole	11.474	167	265195	7.000	ng	100
77) Benzidine	12.833	184	23613	3.059	ng	99

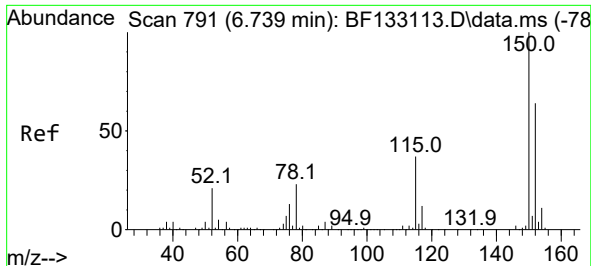
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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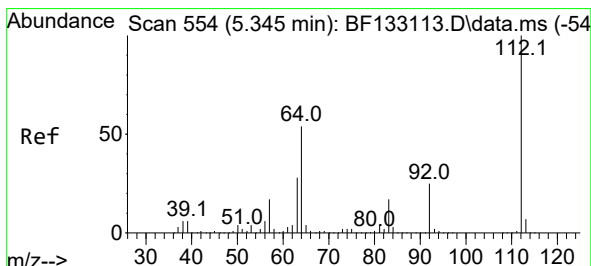
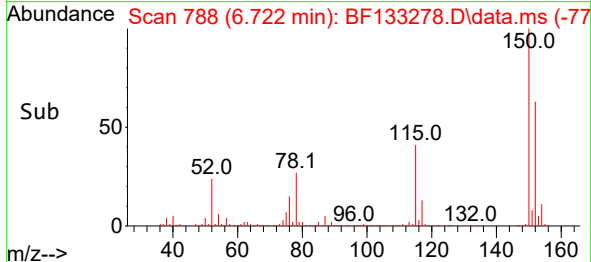
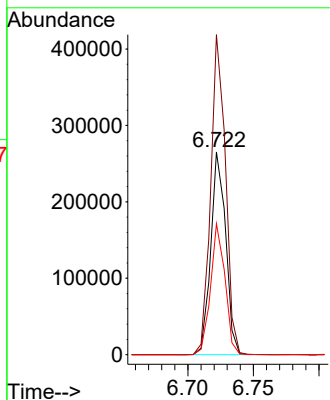
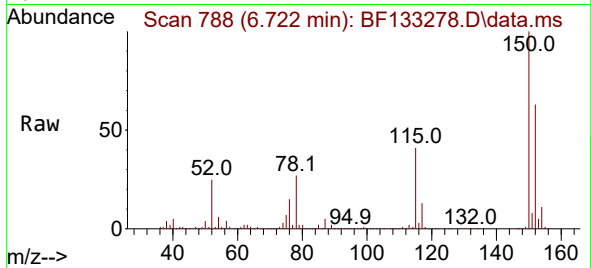




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

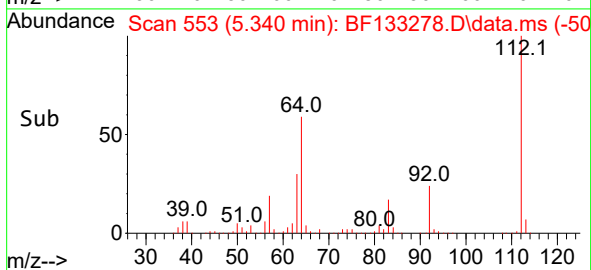
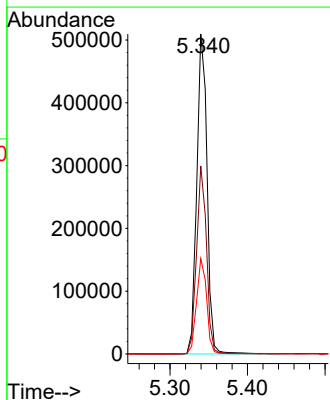
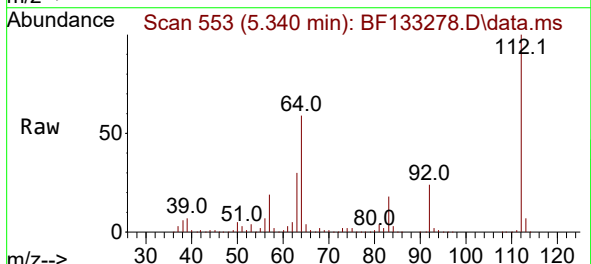
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

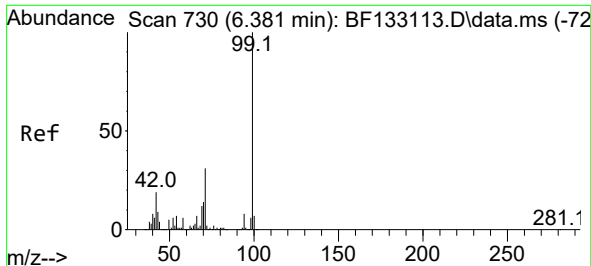
Tgt Ion:152 Resp: 209717
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 64.6 49.9 74.9



#5
2-Fluorophenol
Concen: 33.850 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:112 Resp: 469939
Ion Ratio Lower Upper
112 100
64 58.7 46.8 70.2
63 29.8 23.8 35.8

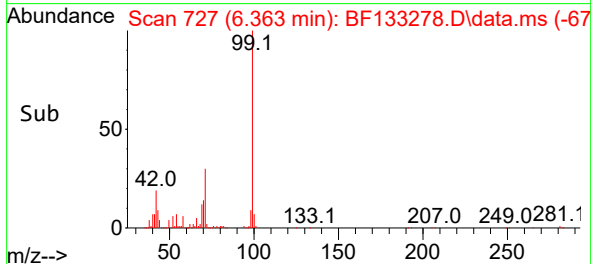
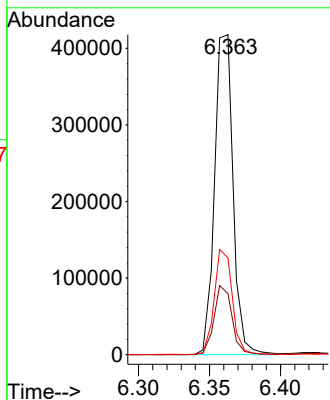
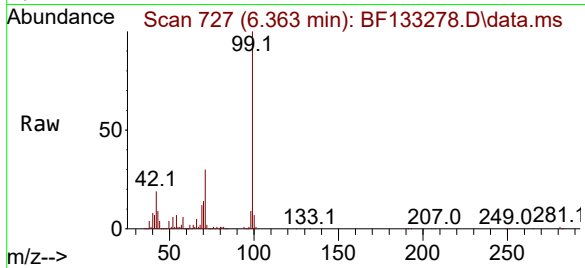




#7
Phenol-d6
Concen: 22.035 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

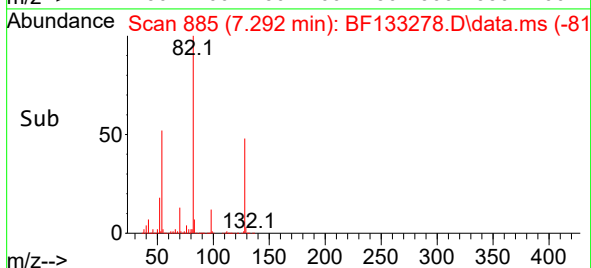
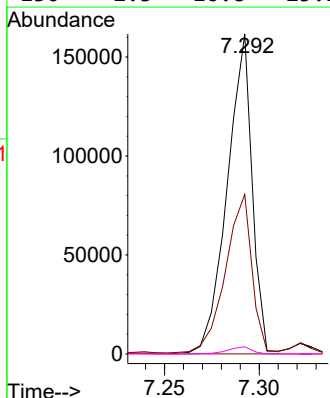
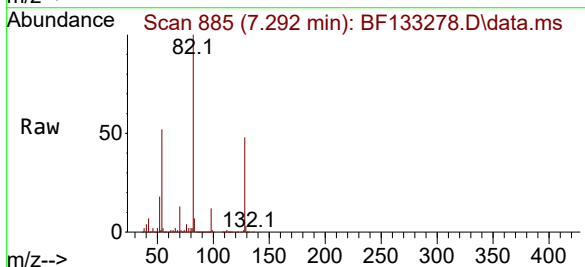
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

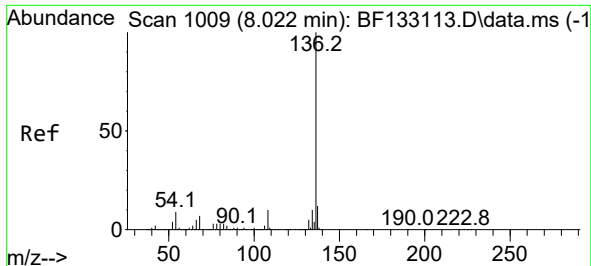
Tgt Ion: 99 Resp: 379705
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 30.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.685 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion: 70 Resp: 146802
Ion Ratio Lower Upper
70 100
42 49.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

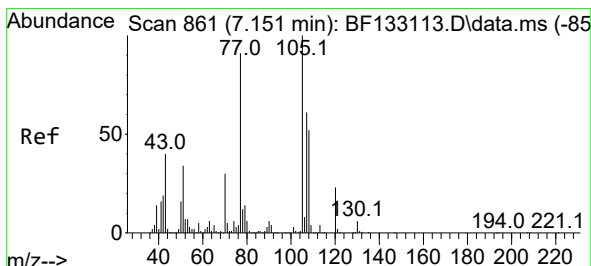
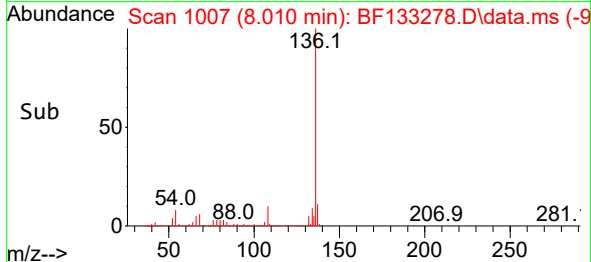
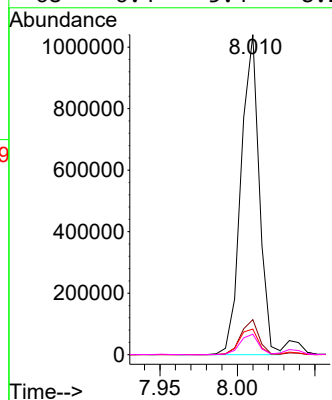
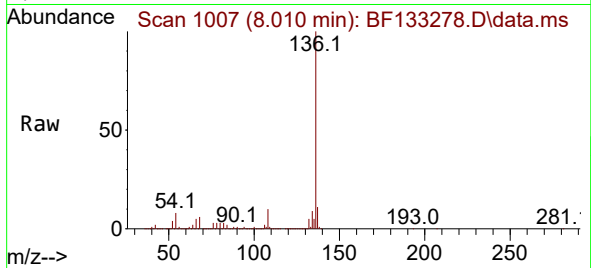




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

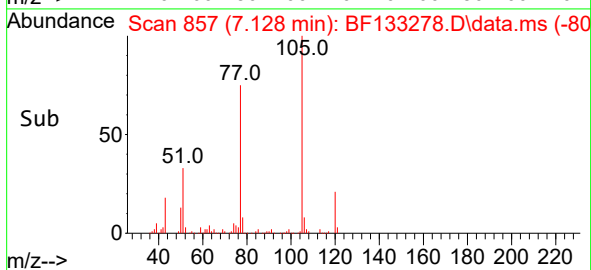
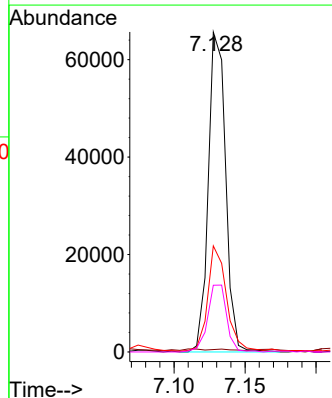
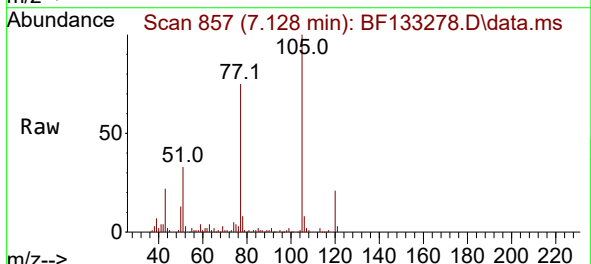
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

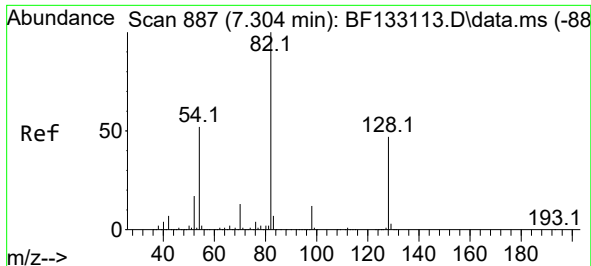
Tgt Ion:136 Resp: 850513
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.4 5.4 8.2



#22
Acetophenone
Concen: 2.829 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.018 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:105 Resp: 55746
Ion Ratio Lower Upper
105 100
71 0.8 4.6 7.0#
51 33.1 28.2 42.2
120 20.9 18.4 27.6





#23

Nitrobenzene-d5

Concen: 70.328 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

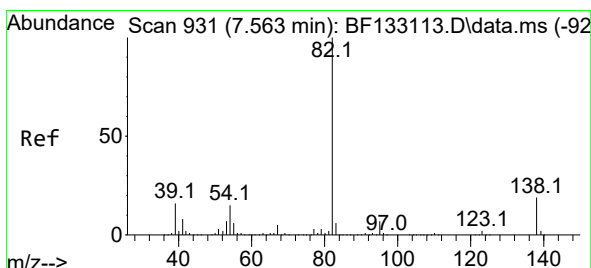
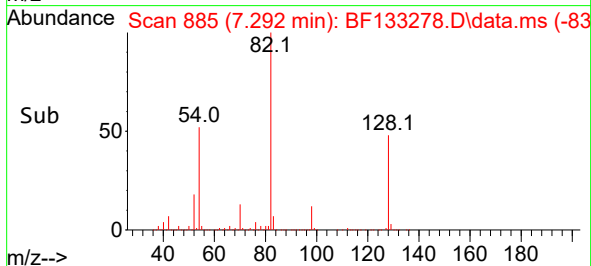
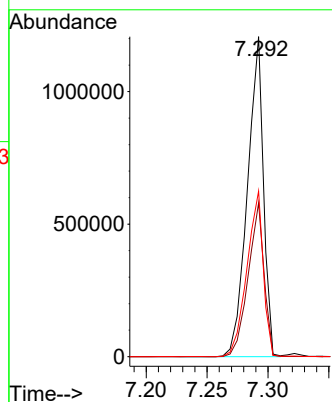
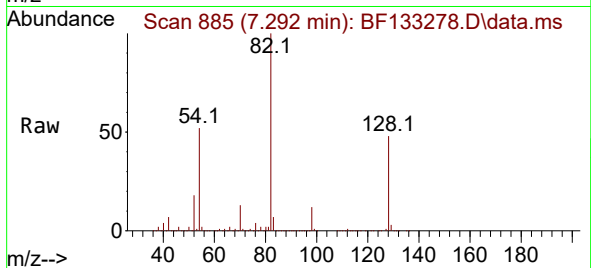
Tgt Ion: 82 Resp: 1108163

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 51.7 43.0 64.4



#25

Isophorone

Concen: 36.996 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.259 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

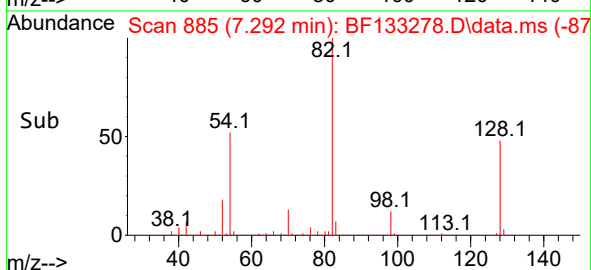
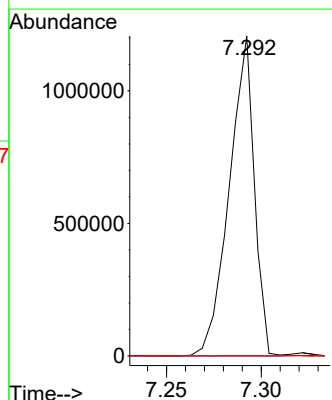
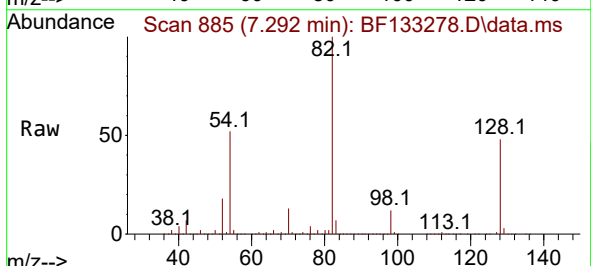
Tgt Ion: 82 Resp: 1106807

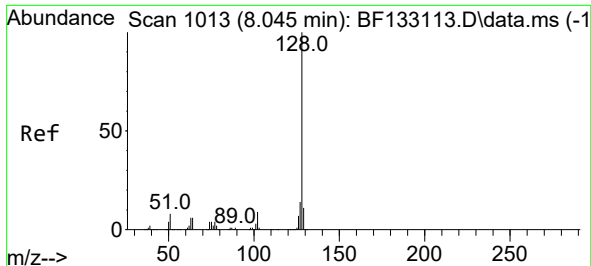
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#

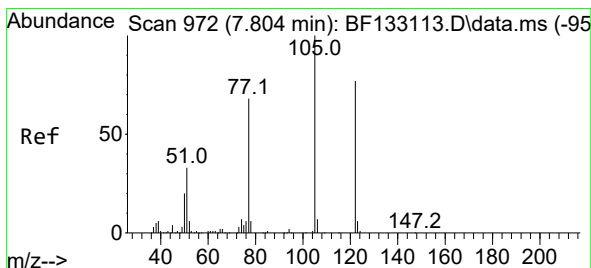
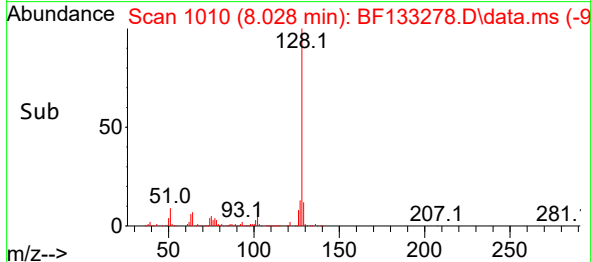
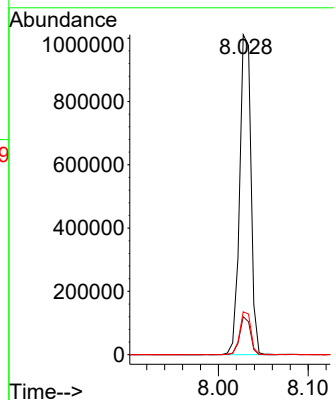
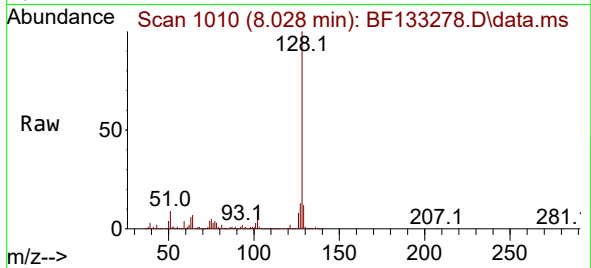




#31
Naphthalene
Concen: 20.805 ng
RT: 8.028 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

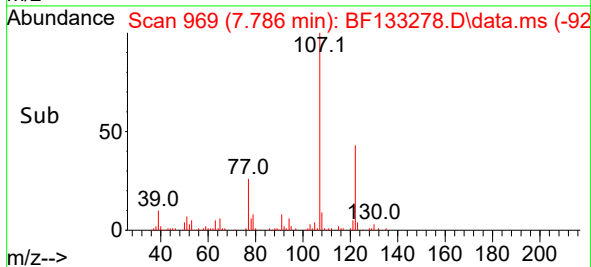
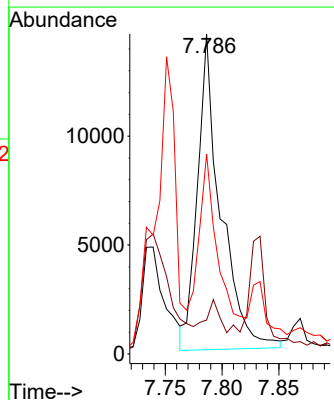
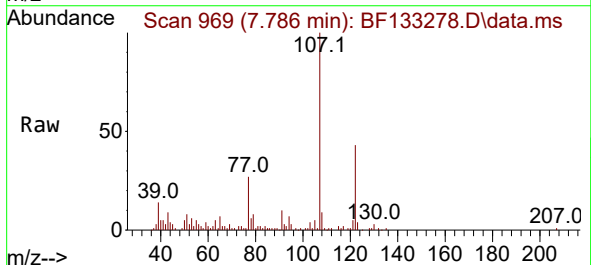
Instrument :
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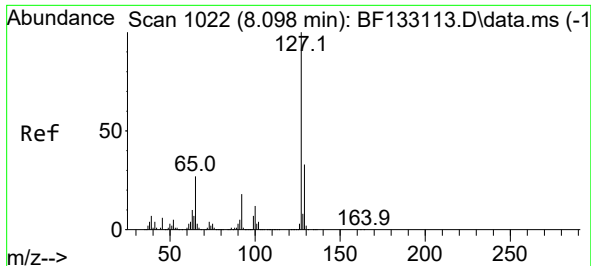
Tgt Ion:128 Resp: 884672
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 2.519 ng
RT: 7.786 min Scan# 969
Delta R.T. -0.012 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:122 Resp: 20548
Ion Ratio Lower Upper
122 100
105 10.6 104.2 144.2#
77 62.5 69.7 109.7#





#33

4-Chloroaniline

Concen: 6.824 ng

RT: 8.028 min Scan# 110

Delta R.T. -0.059 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

Tgt Ion:127 Resp: 117238

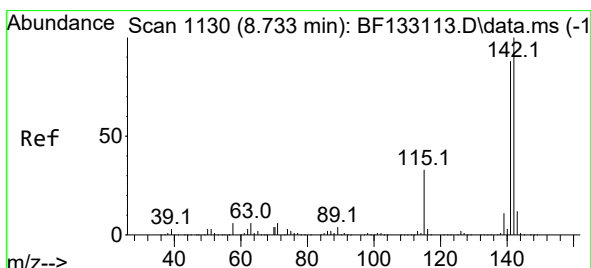
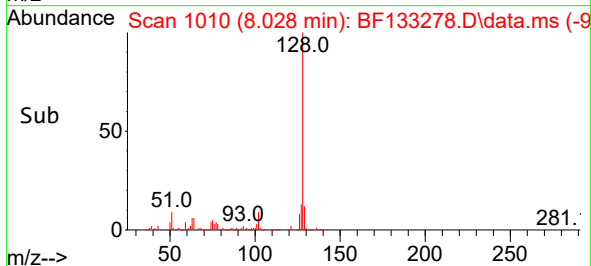
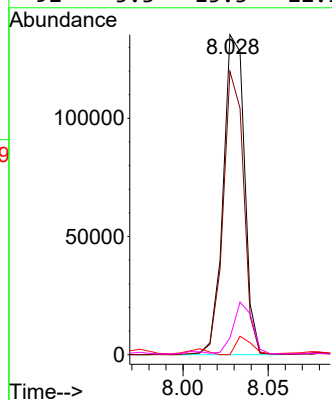
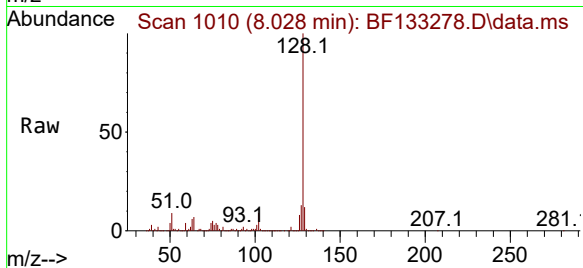
Ion Ratio Lower Upper

127 100

129 88.5 25.8 38.8#

65 0.0 23.6 35.4#

92 5.3 15.3 22.9#



#37

2-Methylnaphthalene

Concen: 4.397 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133278.D

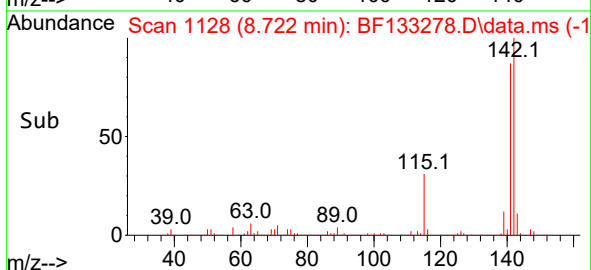
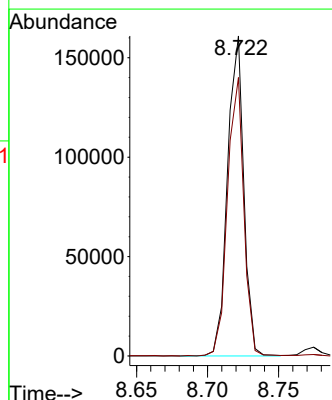
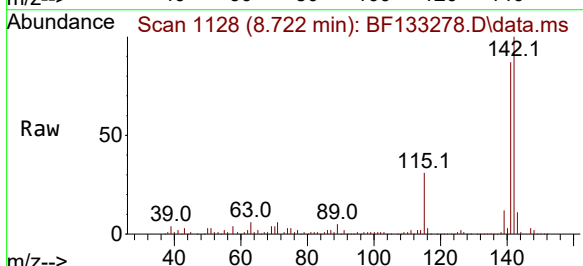
Acq: 05 May 2023 22:54

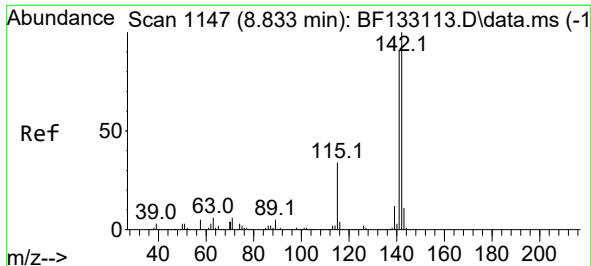
Tgt Ion:142 Resp: 127843

Ion Ratio Lower Upper

142 100

141 87.0 69.4 104.0





#38

1-Methylnaphthalene

Concen: 3.637 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

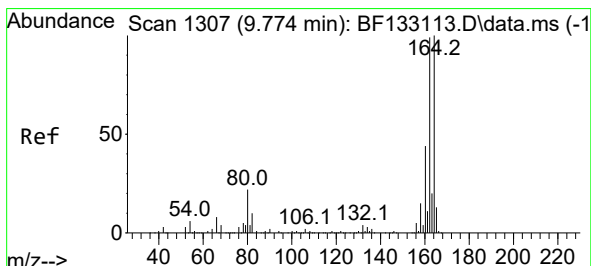
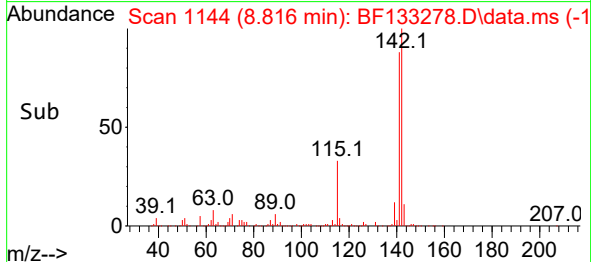
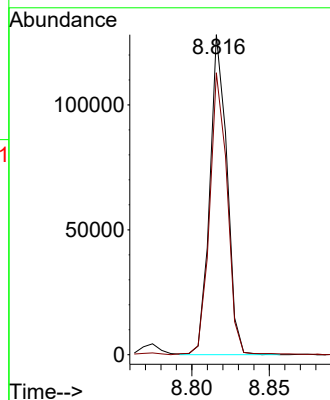
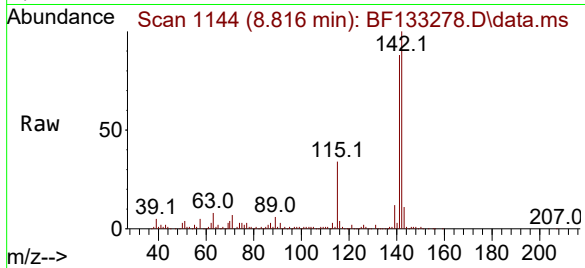
MW-1-20230503-A

Tgt Ion:142 Resp: 98902

Ion Ratio Lower Upper

142 100

141 88.1 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.000 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

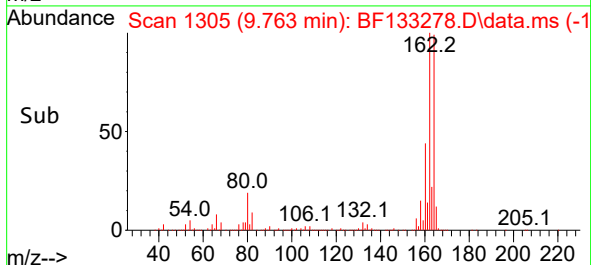
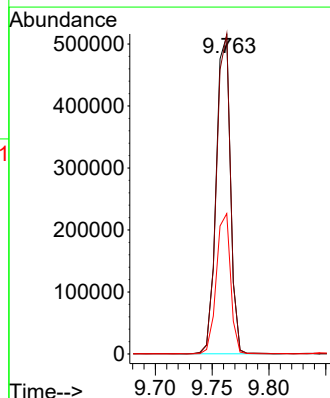
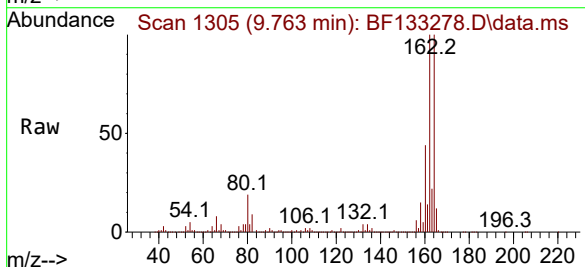
Tgt Ion:164 Resp: 448026

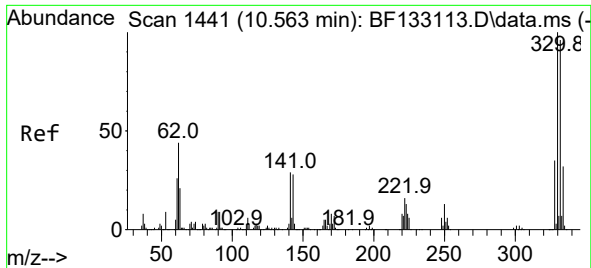
Ion Ratio Lower Upper

164 100

162 100.5 78.7 118.1

160 44.1 35.8 53.6

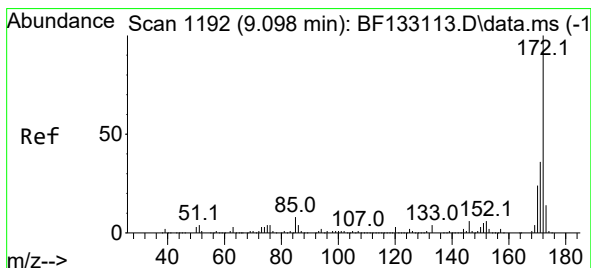
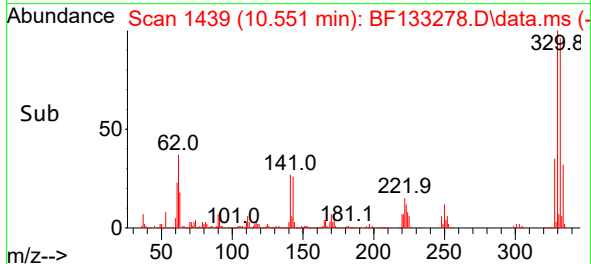
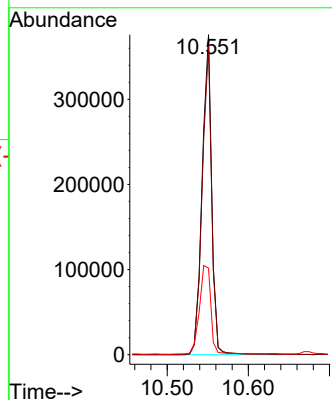
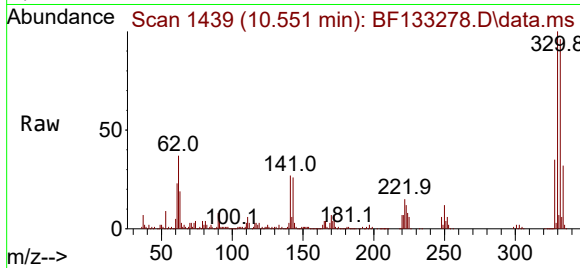




#42
2,4,6-Tribromophenol
Concen: 68.220 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

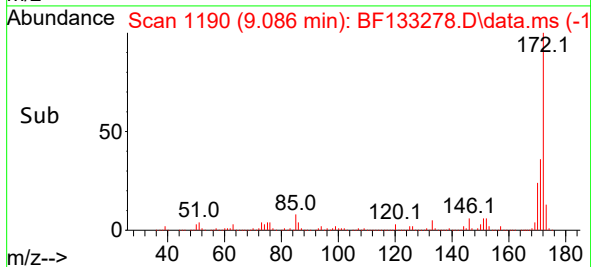
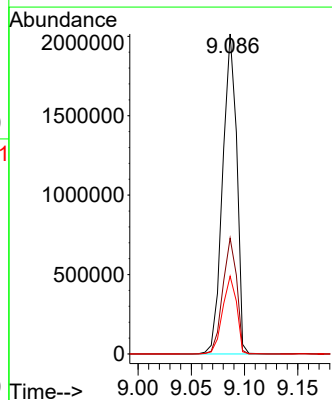
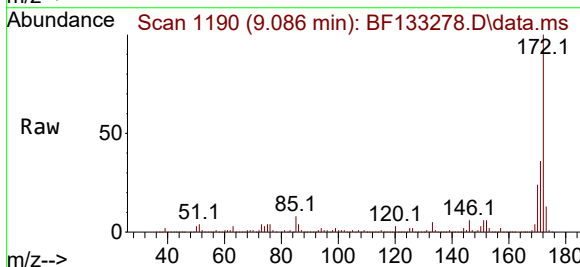
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

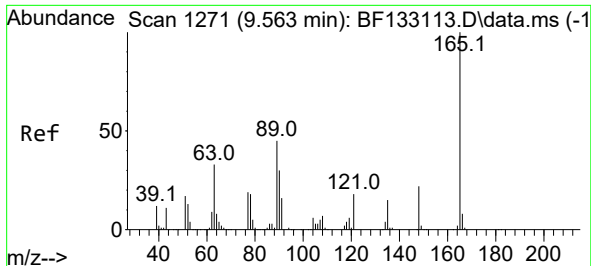
Tgt Ion:330 Resp: 307381
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 33.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 68.952 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:172 Resp: 1846519
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.3 19.4 29.2

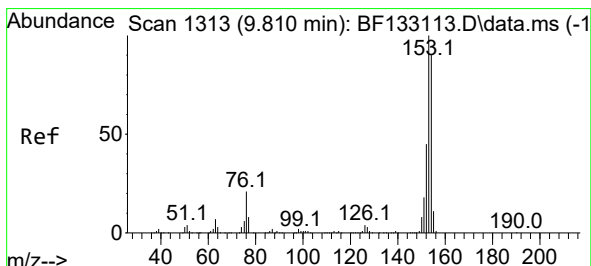
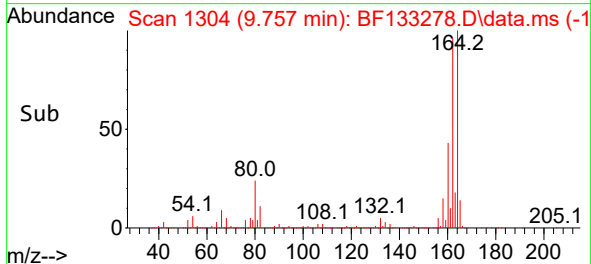
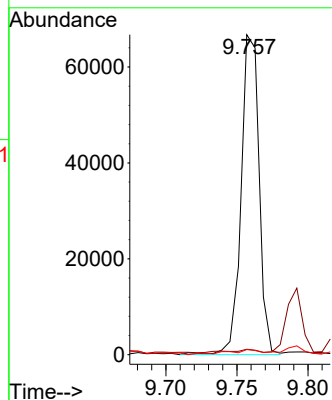
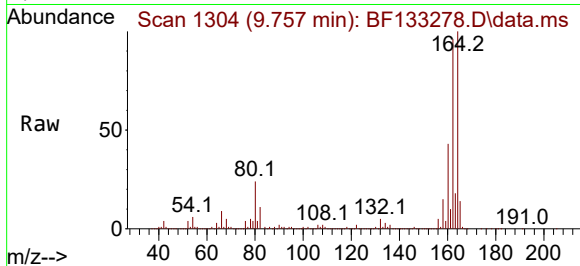




#51
2,6-Dinitrotoluene
Concen: 8.387 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

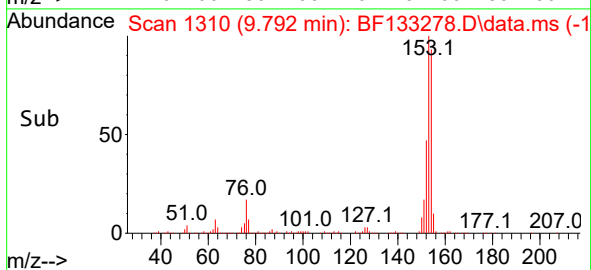
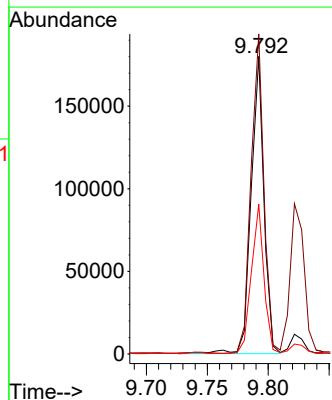
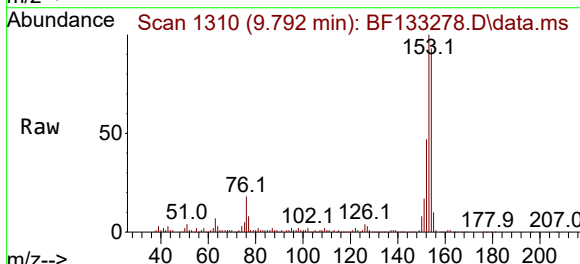
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

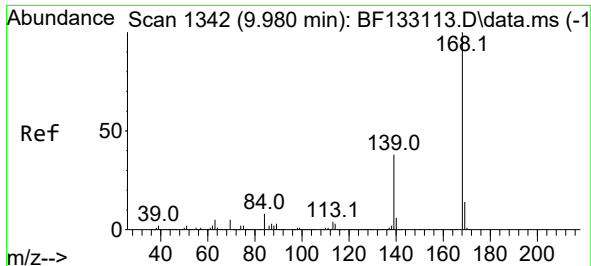
Tgt Ion:165 Resp: 58975
Ion Ratio Lower Upper
165 100
63 1.7 45.9 68.9#
89 1.6 44.0 66.0#



#52
Acenaphthene
Concen: 4.703 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:154 Resp: 130872
Ion Ratio Lower Upper
154 100
153 107.6 89.0 133.6
152 50.4 40.4 60.6

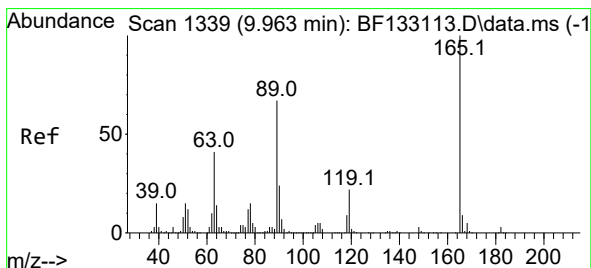
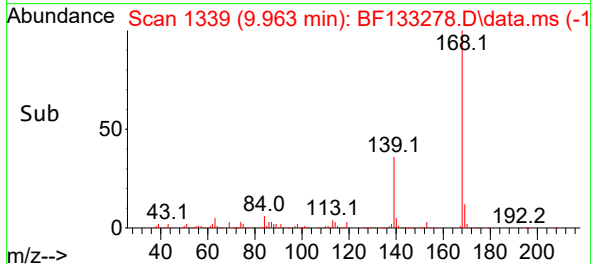
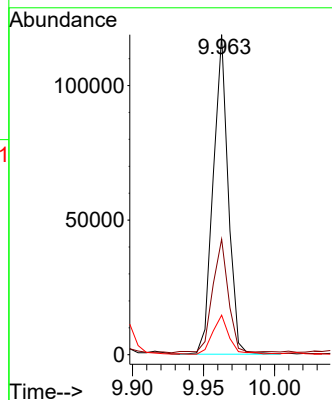
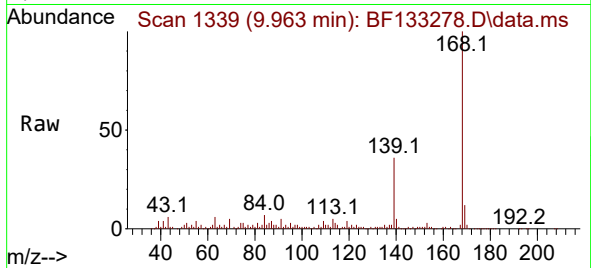




#55
Dibenzenofuran
Concen: 2.299 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

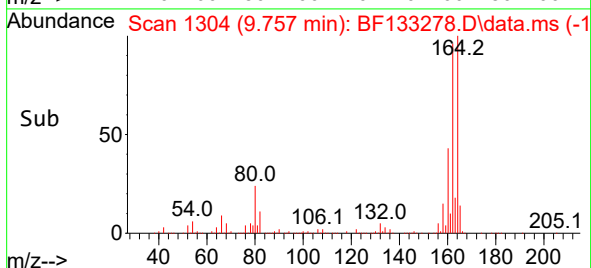
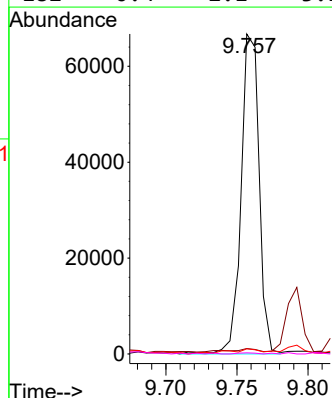
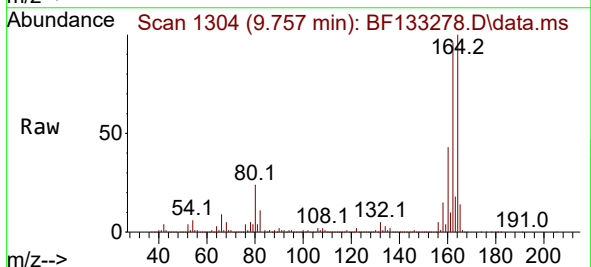
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

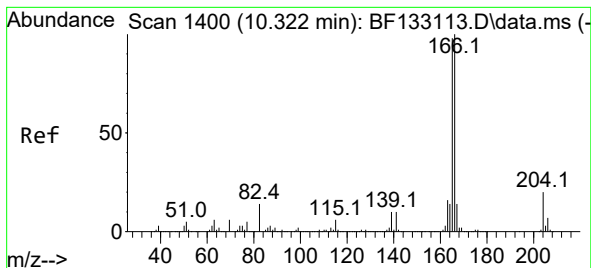
Tgt Ion:168 Resp: 87285
Ion Ratio Lower Upper
168 100
139 36.1 29.8 44.8
169 12.3 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.577 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:165 Resp: 58975
Ion Ratio Lower Upper
165 100
63 1.7 37.7 56.5#
89 1.6 57.0 85.4#
182 0.4 2.1 3.1#





#58

Fluorene

Concen: 2.925 ng

RT: 10.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

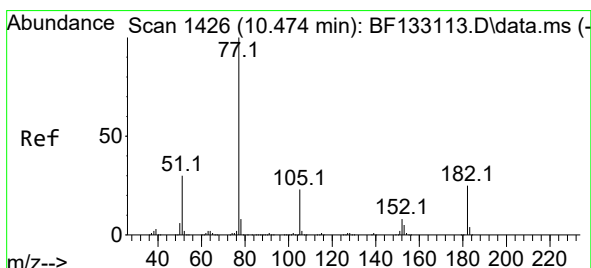
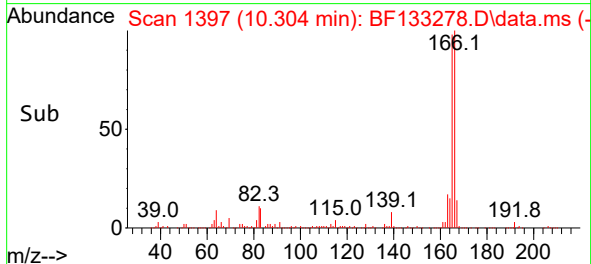
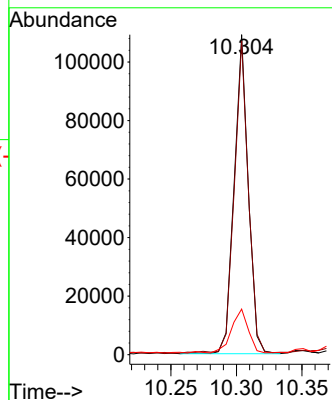
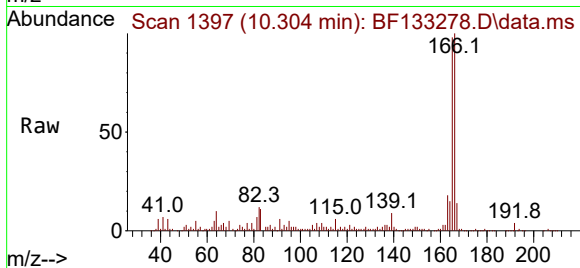
Tgt Ion:166 Resp: 81359

Ion Ratio Lower Upper

166 100

165 98.1 78.6 117.8

167 14.3 11.0 16.4



#63

Azobenzene

Concen: 2.841 ng

RT: 10.474 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Tgt Ion: 77 Resp: 88803

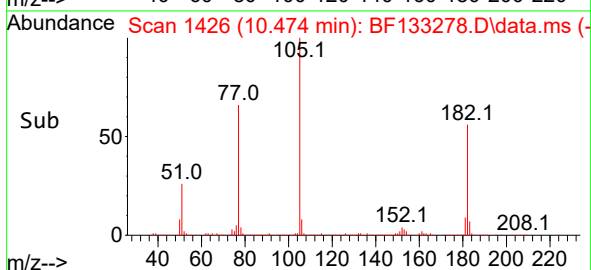
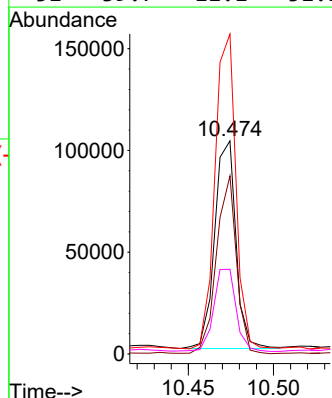
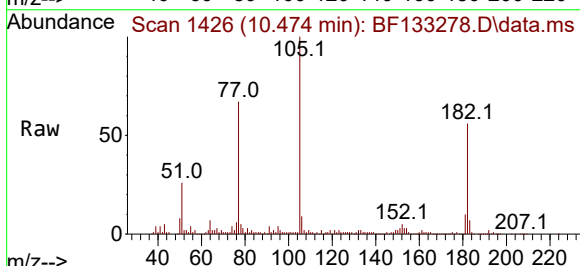
Ion Ratio Lower Upper

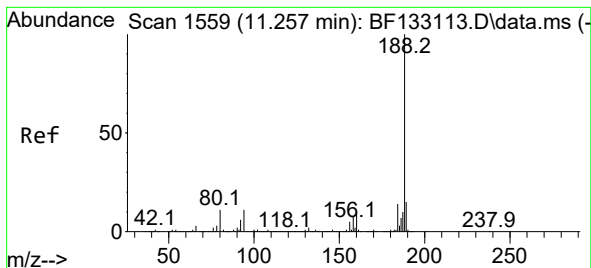
77 100

182 83.6 5.9 45.9#

105 150.1 2.3 42.3#

51 39.7 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

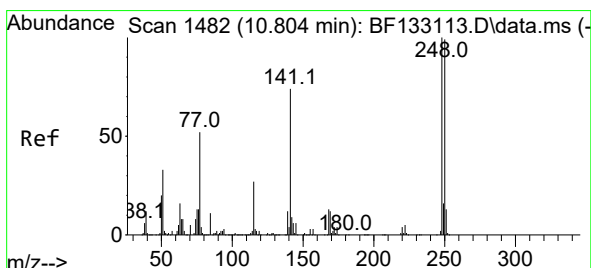
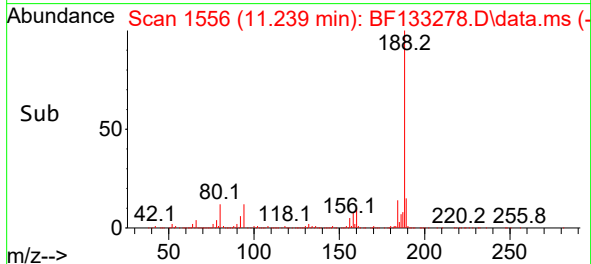
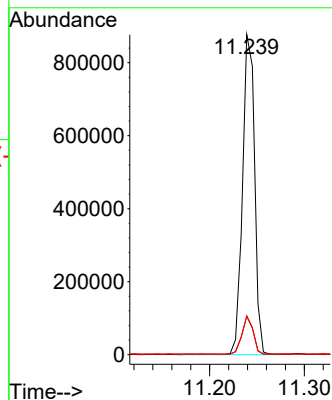
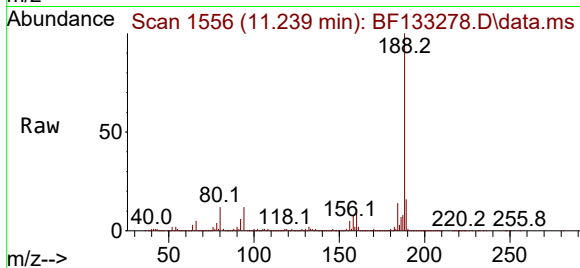
Tgt Ion:188 Resp: 773497

Ion Ratio Lower Upper

188 100

94 12.0 9.7 14.5

80 12.2 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.378 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.241 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

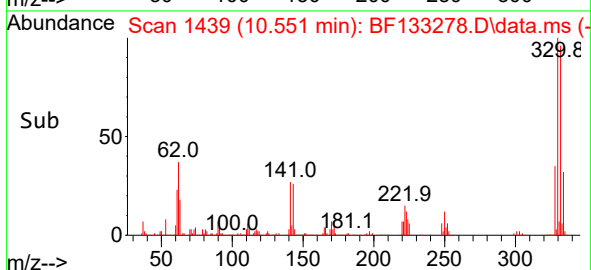
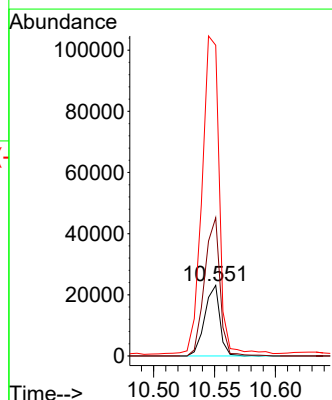
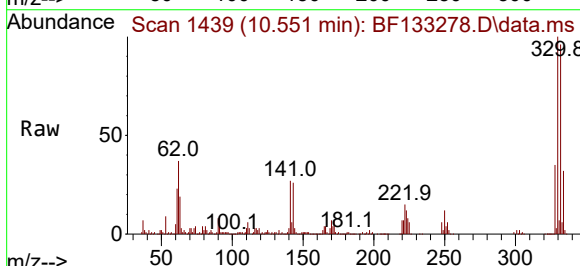
Tgt Ion:248 Resp: 19948

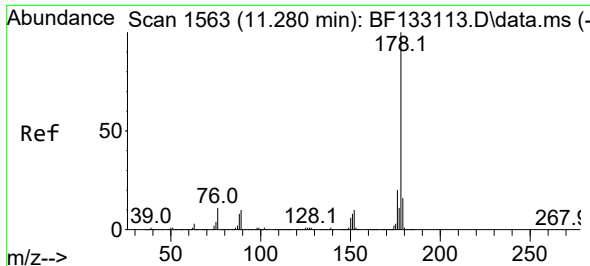
Ion Ratio Lower Upper

248 100

250 196.1 78.7 118.1#

141 440.6 56.3 84.5#

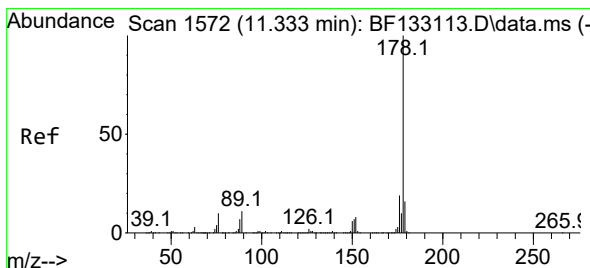
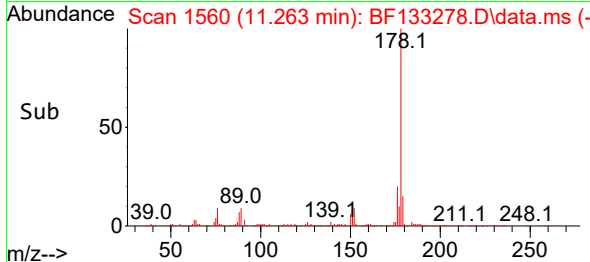
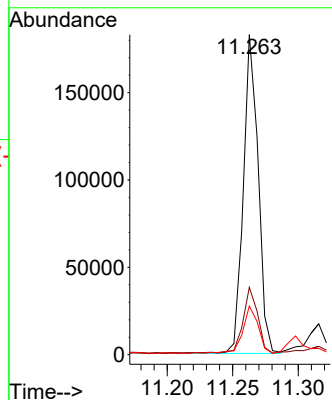
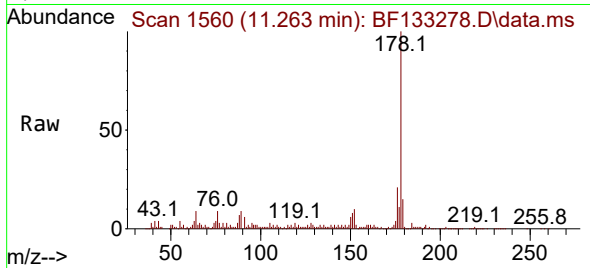




#71
Phenanthrene
Concen: 3.472 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

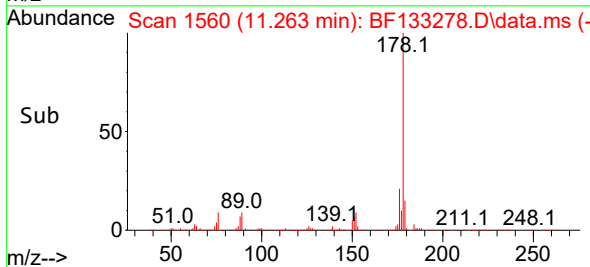
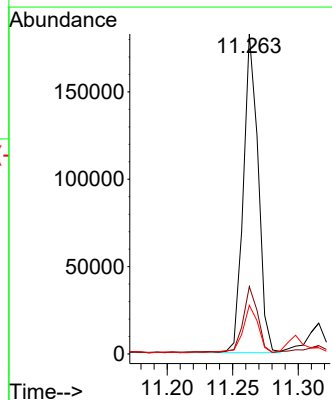
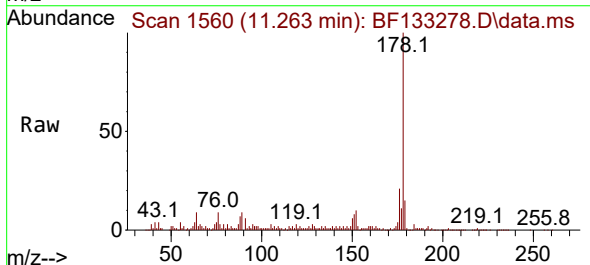
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

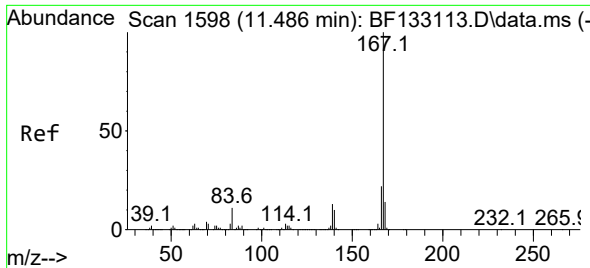
Tgt Ion:178 Resp: 144353
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 3.393 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.059 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion:178 Resp: 144353
Ion Ratio Lower Upper
178 100
176 21.0 15.4 23.0
179 15.2 12.4 18.6

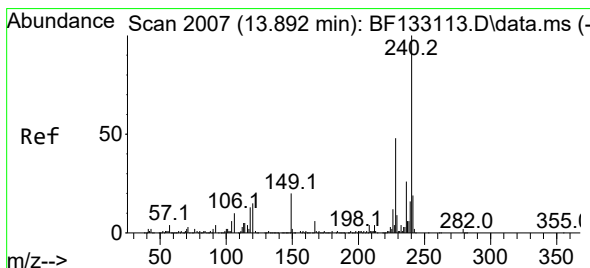
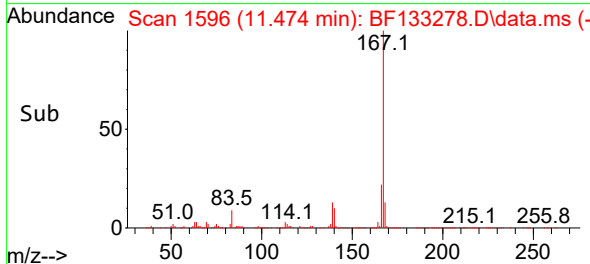
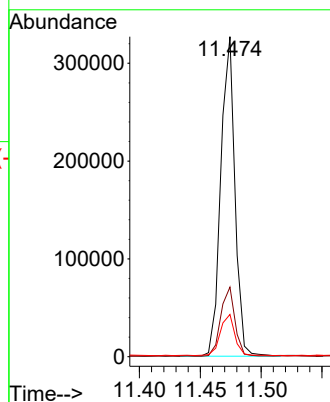
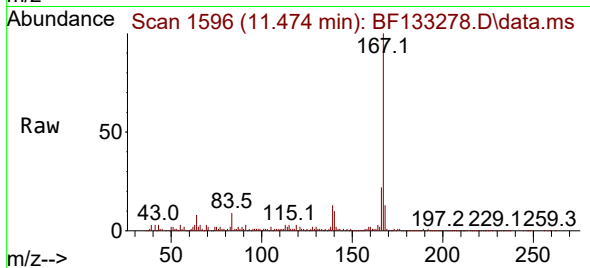




#73
 Carbazole
 Concen: 7.000 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133278.D
 Acq: 05 May 2023 22:54

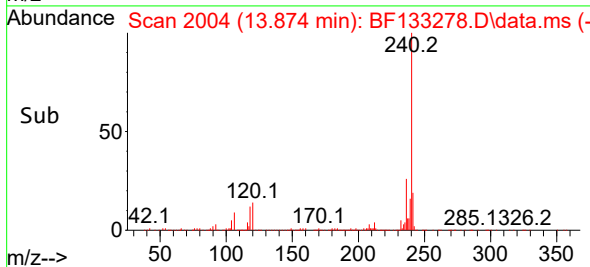
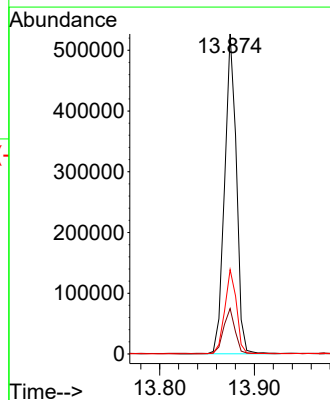
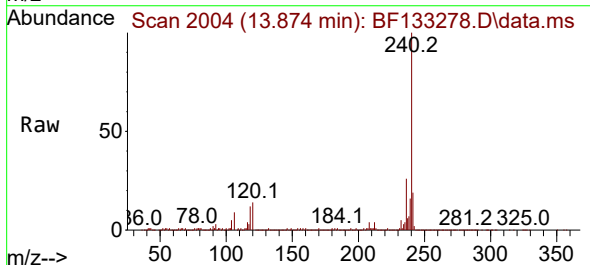
Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503-A

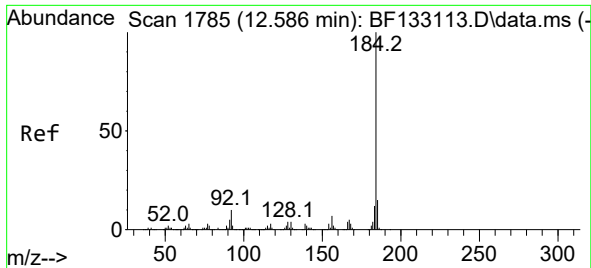
Tgt Ion:167	Resp: 265195
Ion Ratio	Lower Upper
167	100
166	21.8 17.4 26.0
139	13.2 10.6 16.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: BF133278.D
 Acq: 05 May 2023 22:54

Tgt Ion:240	Resp: 456488
Ion Ratio	Lower Upper
240	100
120	14.2 10.5 15.7
236	26.4 21.5 32.3

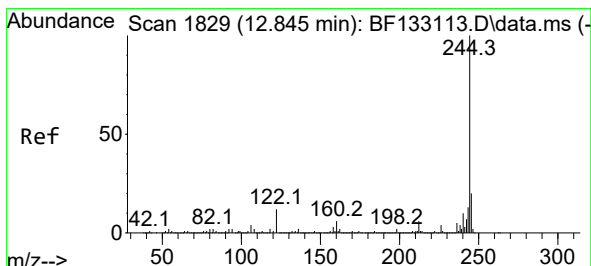
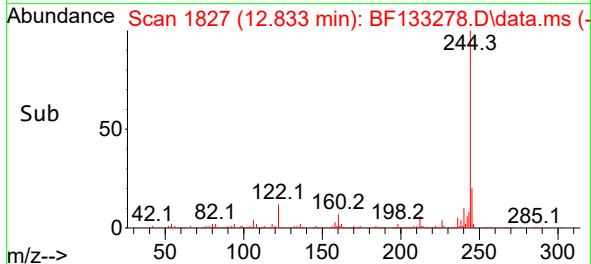
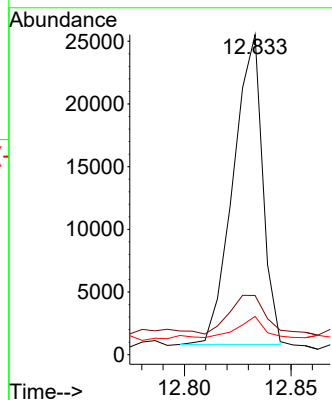
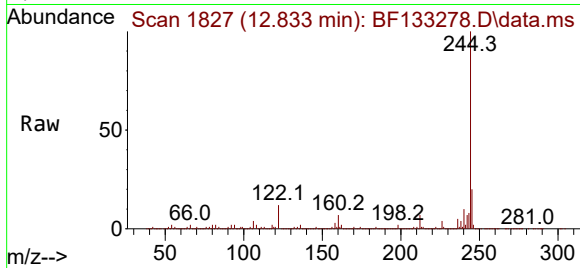




#77
Benzidine
Concen: 3.059 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.259 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

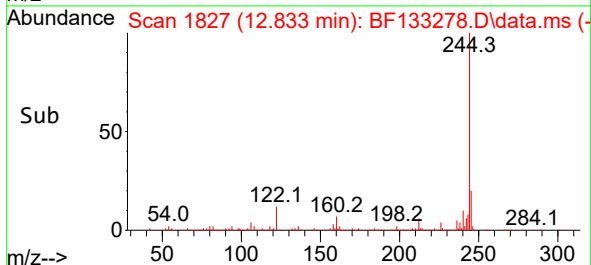
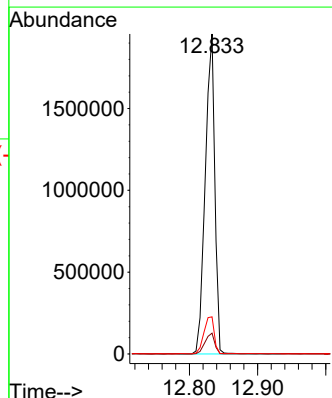
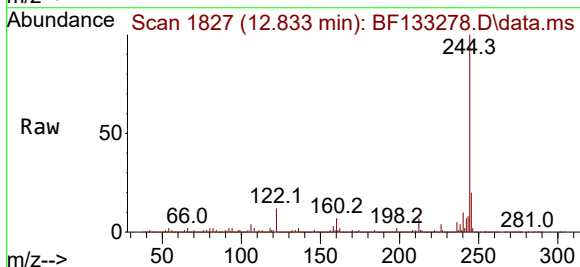
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

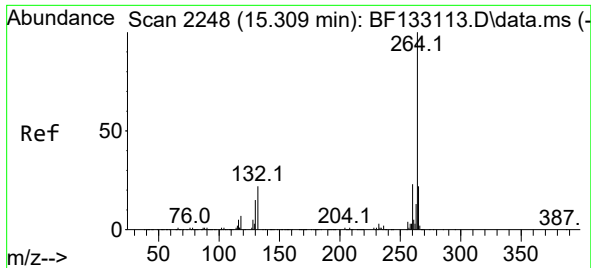
Tgt Ion:184 Resp: 23613
Ion Ratio Lower Upper
184 100
185 18.5 15.4 23.2
183 12.0 9.4 14.0



#79
Terphenyl-d14
Concen: 71.881 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

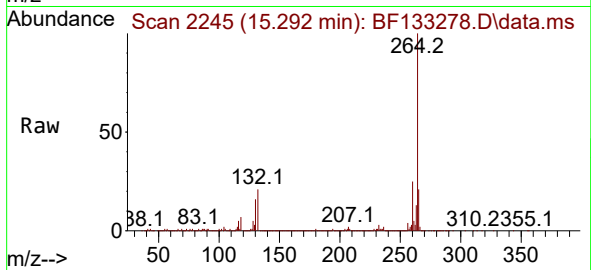
Tgt Ion:244 Resp: 1902557
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 11.6 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A



Tgt Ion:264 Resp: 403620
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 21.1 17.0 25.4

