

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133259.D
 Acq On : 05 May 2023 12:28
 Operator : CG\JU
 Sample : 02597-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503

Quant Time: May 06 05:46:46 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

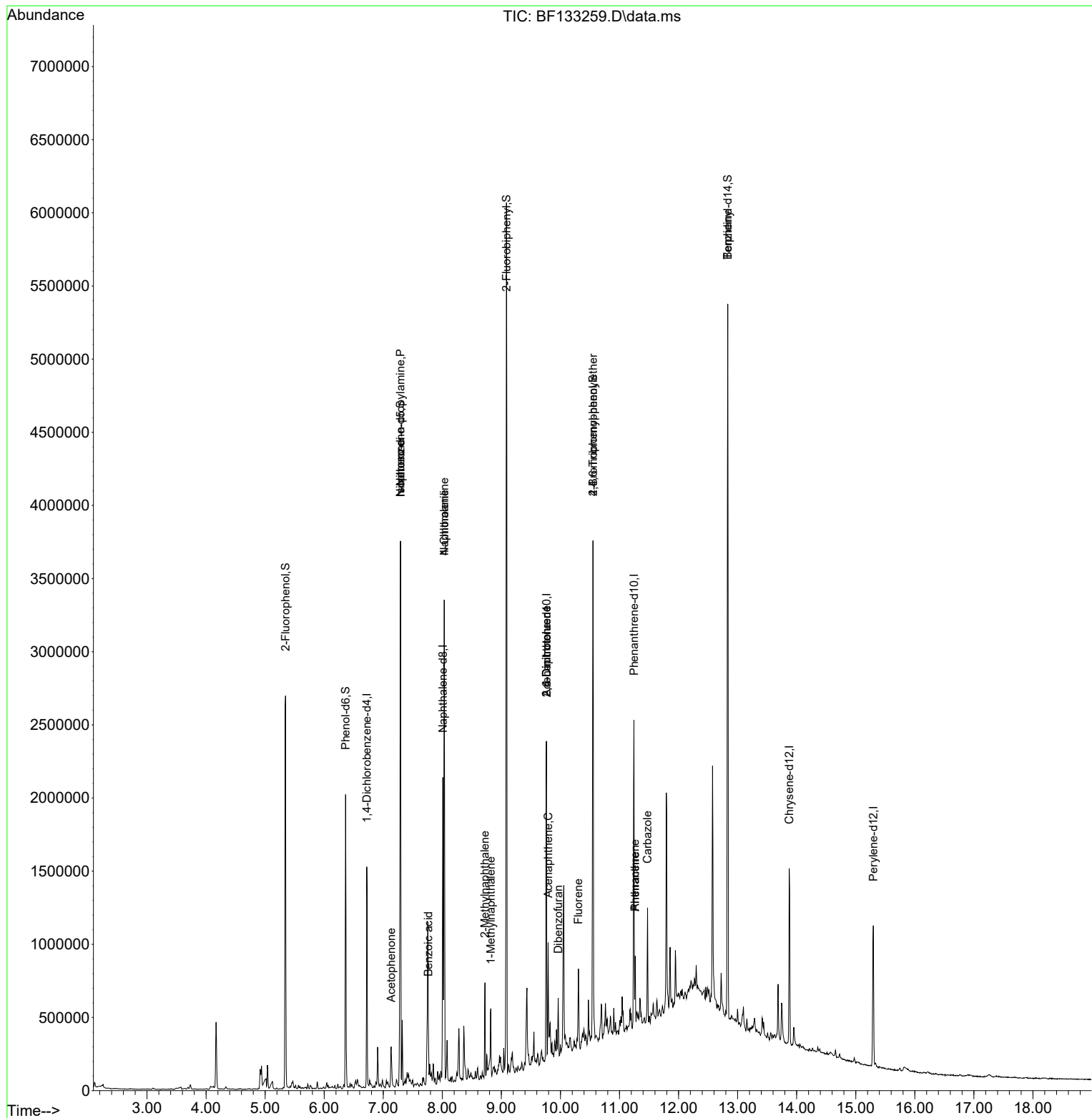
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	207482	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	833045	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	431688	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	735801	20.000	ng	0.00
76) Chrysene-d12	13.874	240	397220	20.000	ng	0.00
86) Perylene-d12	15.298	264	416711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	789076	57.450	ng	0.01
7) Phenol-d6	6.363	99	586933	34.428	ng	0.00
23) Nitrobenzene-d5	7.292	82	1159708	75.143	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	464765	107.053	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1893973	73.401	ng	0.00
79) Terphenyl-d14	12.833	244	1867561	81.087	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	1908	Below Cal		Qvalue # 82
19) n-Nitroso-di-n-propyla...	7.292	70	154527	14.560	ng	# 77
22) Acetophenone	7.134	105	60787	3.150	ng	# 90
25) Isophorone	7.292	82	1159103	39.556	ng	# 63
31) Naphthalene	8.033	128	1020423	24.500	ng	100
32) Benzoic acid	7.763	122	80481	10.073	ng	96
33) 4-Chloroaniline	8.033	127	135134	8.030	ng	# 44
37) 2-Methylnaphthalene	8.722	142	150092	5.271	ng	96
38) 1-Methylnaphthalene	8.822	142	115518	4.337	ng	98
51) 2,6-Dinitrotoluene	9.763	165	56669	8.365	ng	# 26
52) Acenaphthene	9.792	154	146599	5.468	ng	97
55) Dibenzofuran	9.963	168	99665	2.725	ng	100
57) 2,4-Dinitrotoluene	9.763	165	56669	6.559	ng	# 24
58) Fluorene	10.304	166	96883	3.616	ng	99
67) 4-Bromophenyl-phenylether	10.551	248	30279	3.794	ng	# 1
71) Phenanthrene	11.263	178	165430	4.183	ng	100
72) Anthracene	11.263	178	165430	4.088	ng	99
73) Carbazole	11.474	167	267420	7.421	ng	100
77) Benzidine	12.833	184	21963	3.270	ng	94

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

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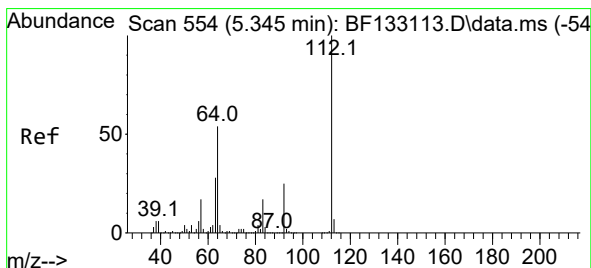
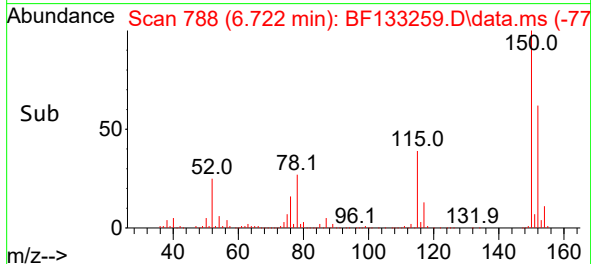
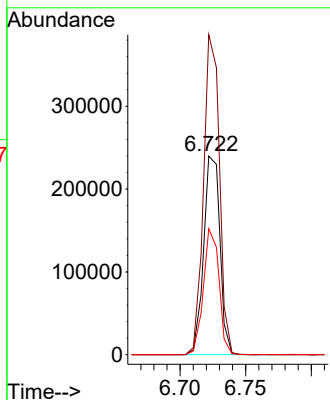
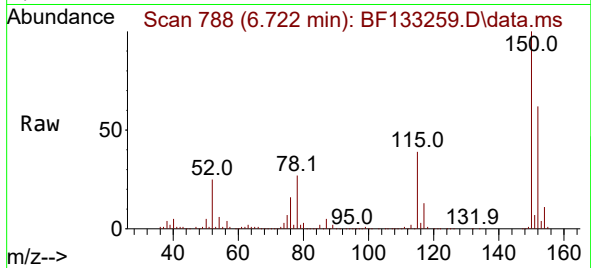




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

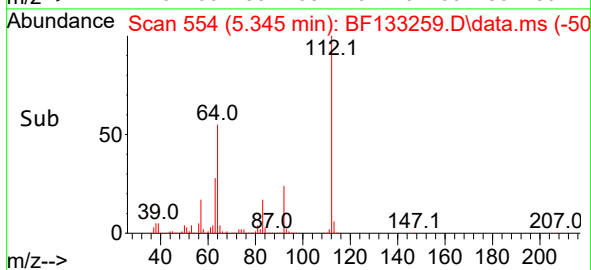
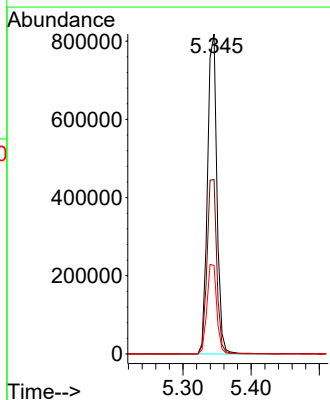
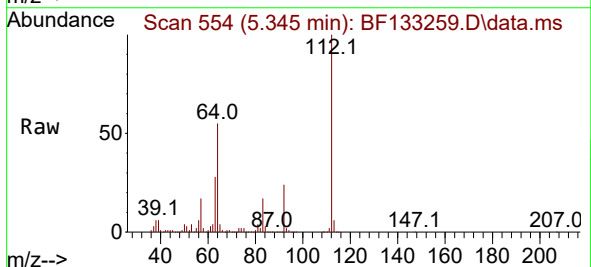
Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503

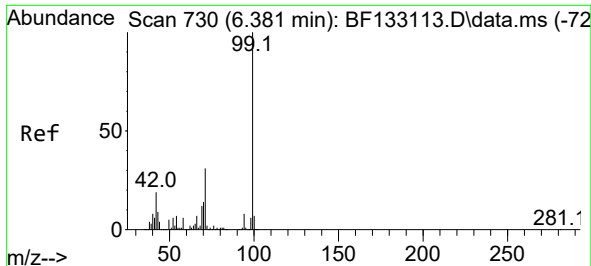
Tgt Ion:152 Resp: 207482
 Ion Ratio Lower Upper
 152 100
 150 161.2 124.8 187.2
 115 63.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 57.450 ng
 RT: 5.345 min Scan# 554
 Delta R.T. 0.012 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

Tgt Ion:112 Resp: 789076
 Ion Ratio Lower Upper
 112 100
 64 54.5 46.8 70.2
 63 27.6 23.8 35.8

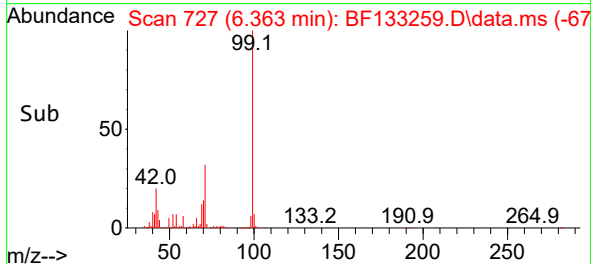
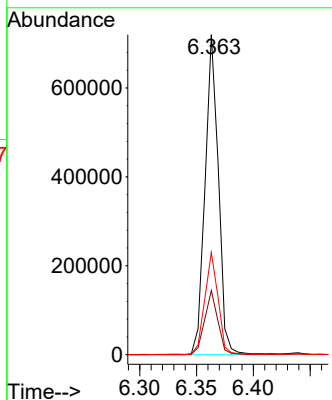
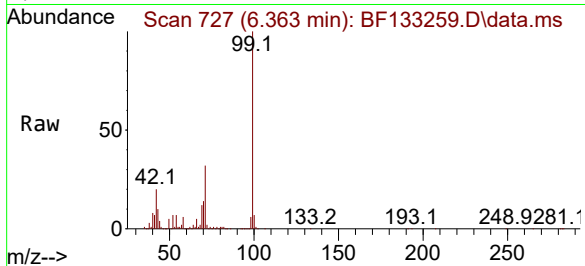




#7
Phenol-d6
Concen: 34.428 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

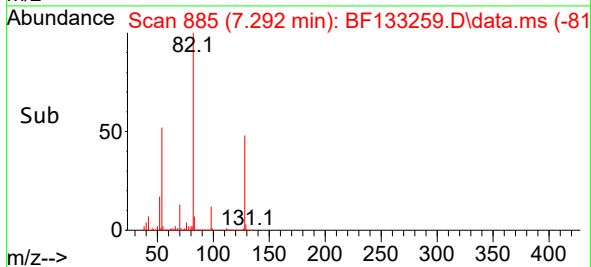
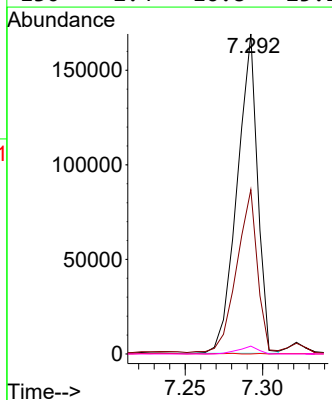
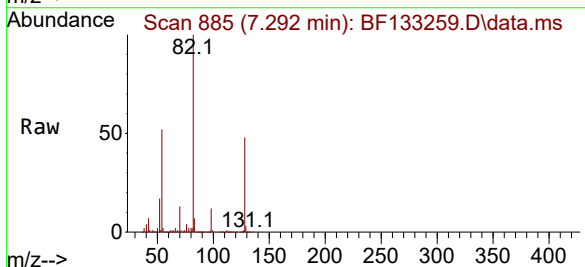
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

Tgt Ion: 99 Resp: 586933
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 31.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.560 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion: 70 Resp: 154527
Ion Ratio Lower Upper
70 100
42 51.4 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

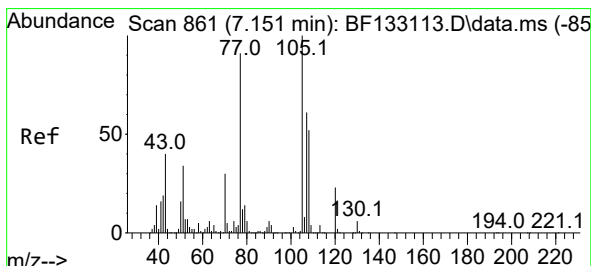
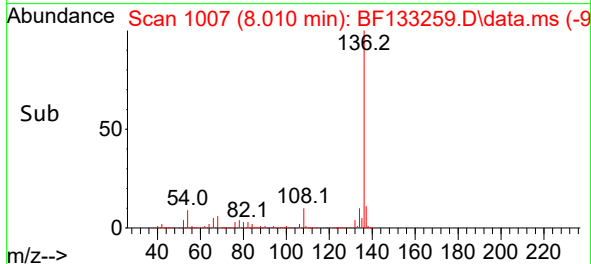
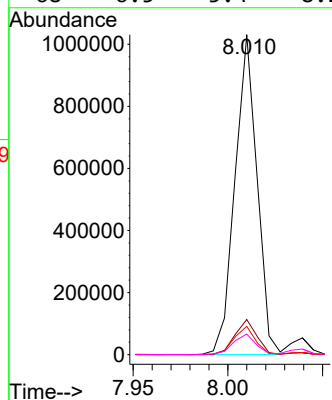
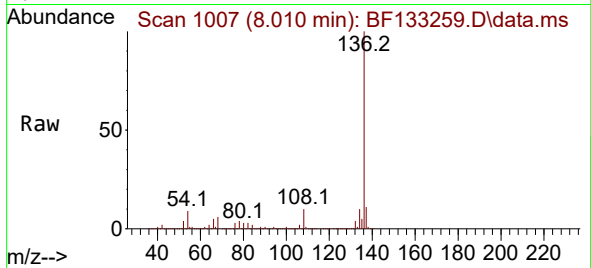




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

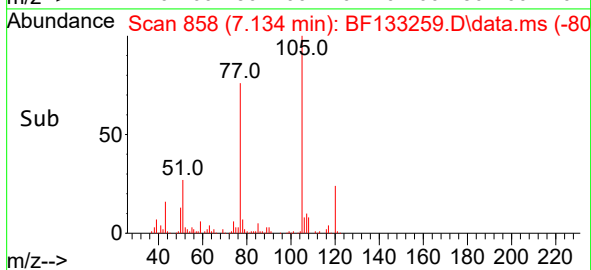
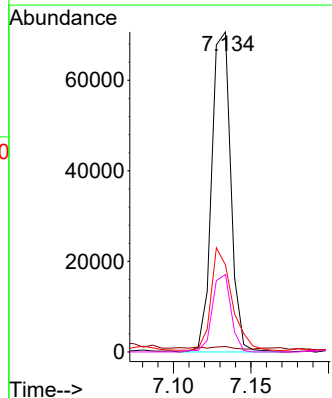
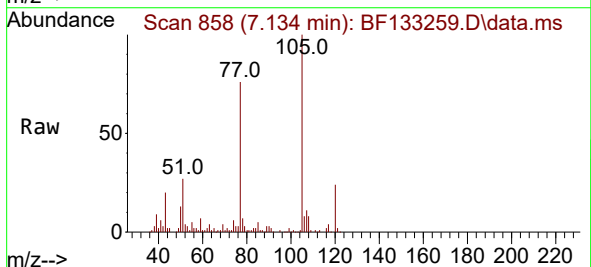
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

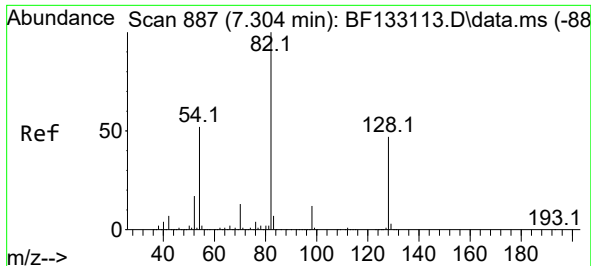
Tgt Ion:136	Resp:	833045	
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.0	10.4
68	6.5	5.4	8.2



#22
Acetophenone
Concen: 3.150 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt	Ion:105	Resp:	60787
Ion	Ratio	Lower	Upper
105	100		
71	1.7	4.6	7.0#
51	27.2	28.2	42.2#
120	24.2	18.4	27.6





#23

Nitrobenzene-d5

Concen: 75.143 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

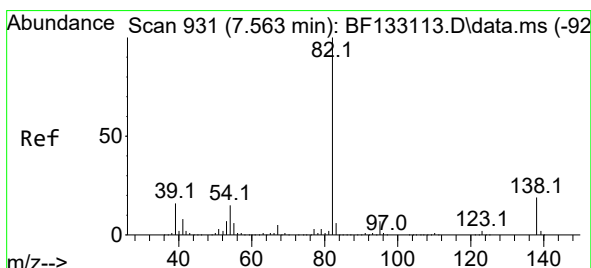
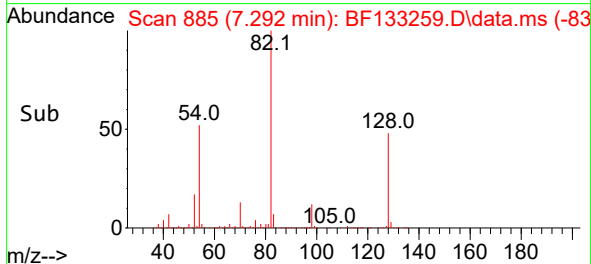
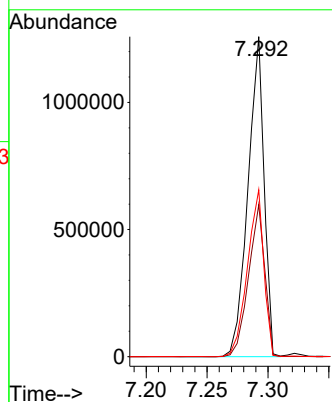
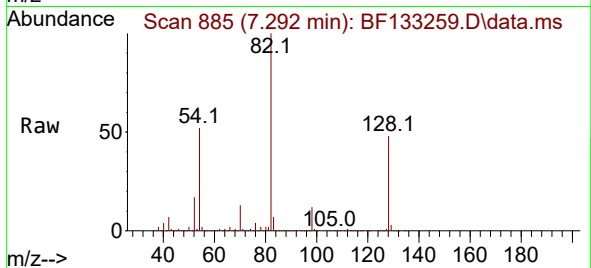
BNA_F

ClientSampleId :

MW-1-20230503

Tgt Ion: 82 Resp: 1159708

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	52.2	43.0	64.4



#25

Isophorone

Concen: 39.556 ng

RT: 7.292 min Scan# 885

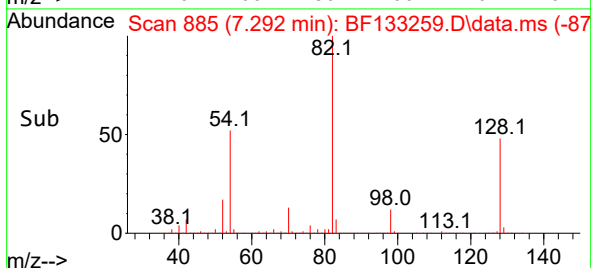
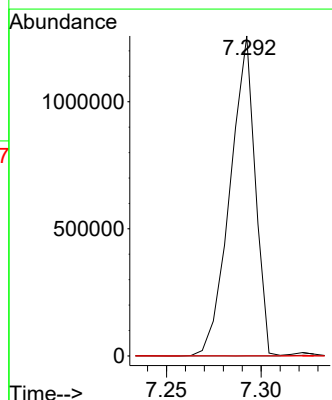
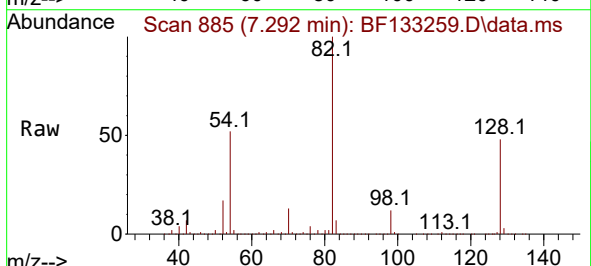
Delta R.T. -0.259 min

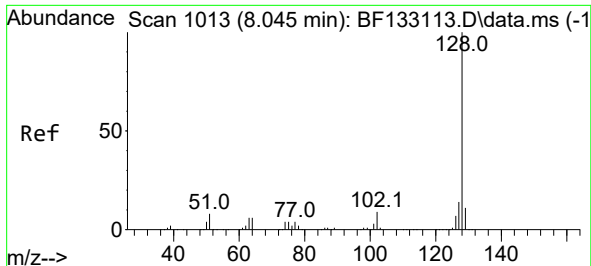
Lab File: BF133259.D

Acq: 05 May 2023 12:28

Tgt Ion: 82 Resp: 1159103

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	16.0	24.0#

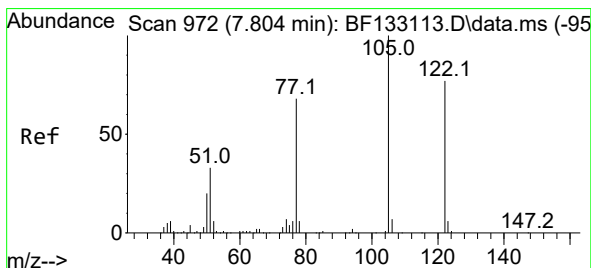
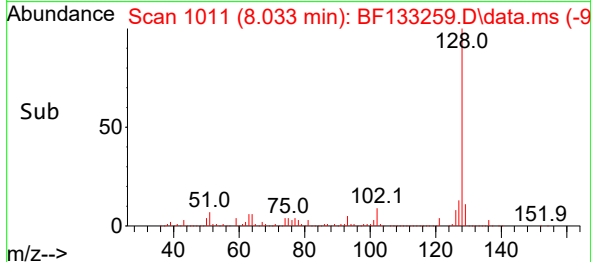
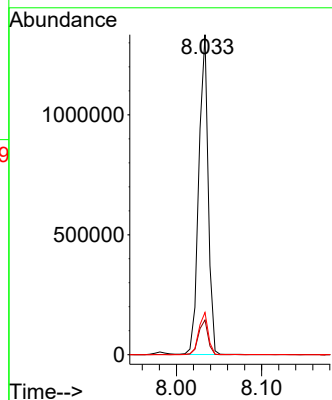
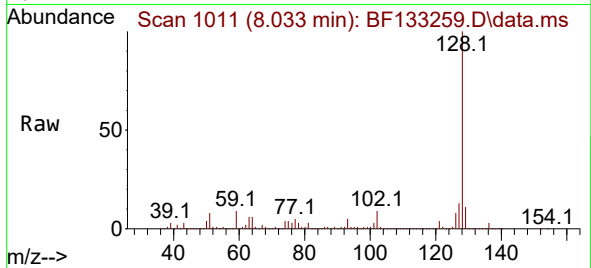




#31
Naphthalene
Concen: 24.500 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

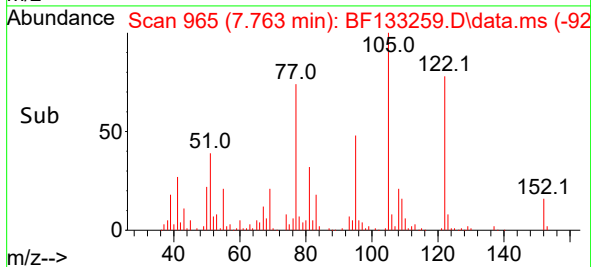
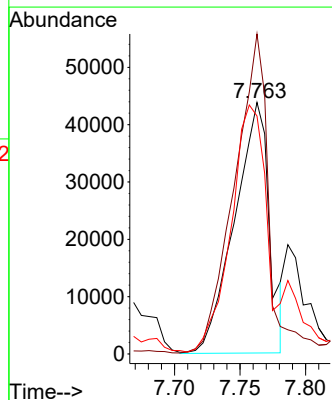
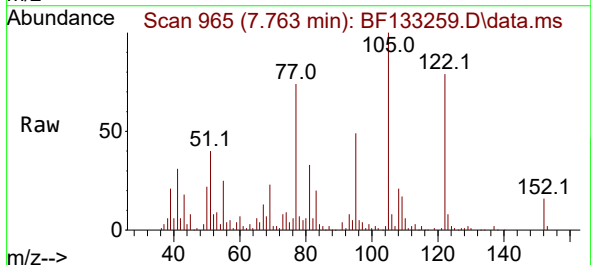
Instrument :
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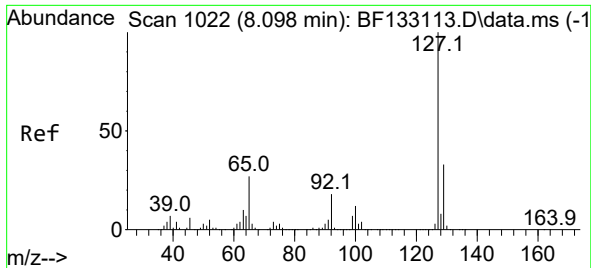
Tgt Ion:128 Resp: 1020423
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 10.073 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.035 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:122 Resp: 80481
Ion Ratio Lower Upper
122 100
105 127.2 104.2 144.2
77 94.6 69.7 109.7

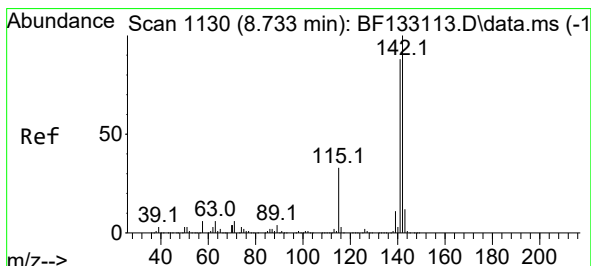
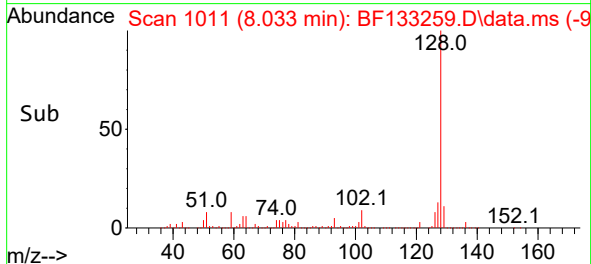
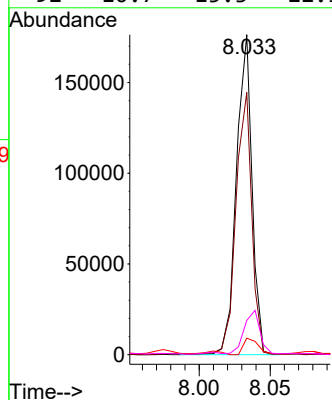
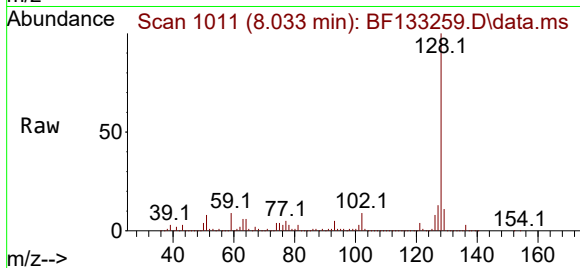




#33
4-Chloroaniline
Concen: 8.030 ng
RT: 8.033 min Scan# 1022
Delta R.T. -0.053 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

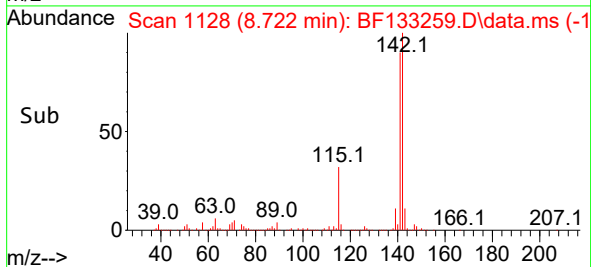
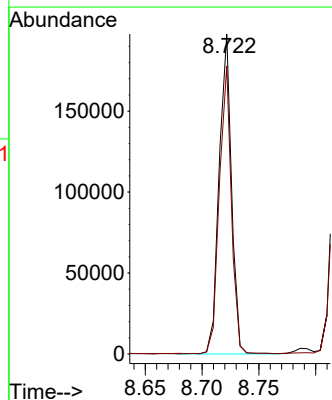
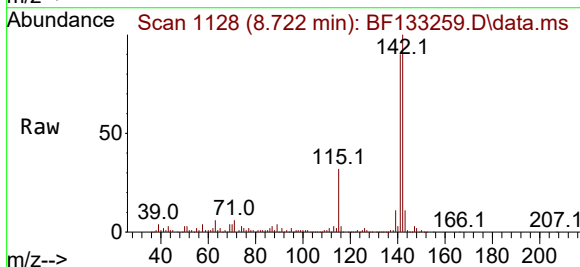
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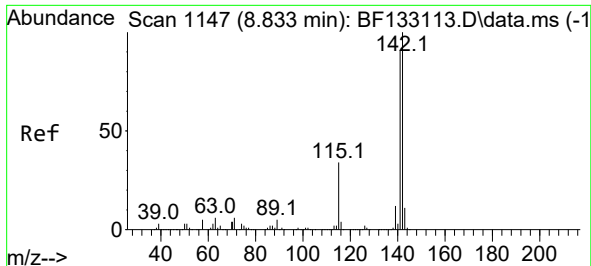
Tgt Ion:127 Resp: 135134
Ion Ratio Lower Upper
127 100
129 82.0 25.8 38.8#
65 5.2 23.6 35.4#
92 10.7 15.3 22.9#



#37
2-Methylnaphthalene
Concen: 5.271 ng
RT: 8.722 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:142 Resp: 150092
Ion Ratio Lower Upper
142 100
141 90.0 69.4 104.0

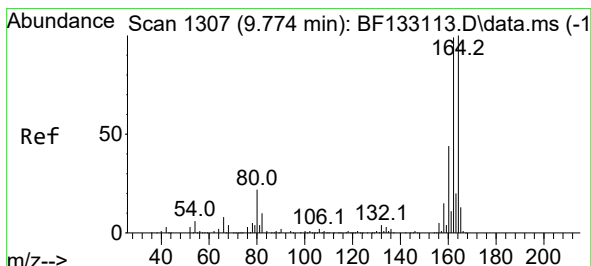
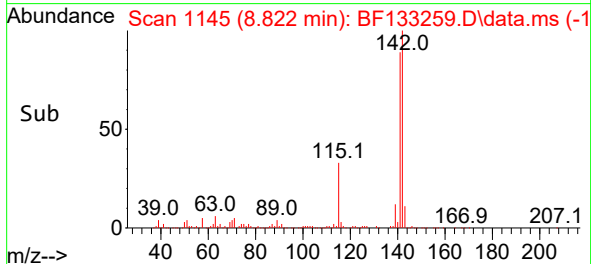
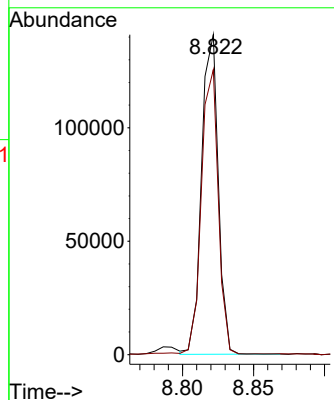
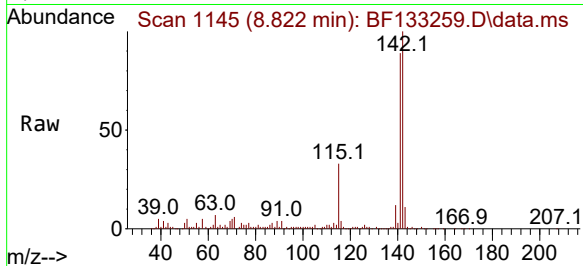




#38
1-Methylnaphthalene
Concen: 4.337 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

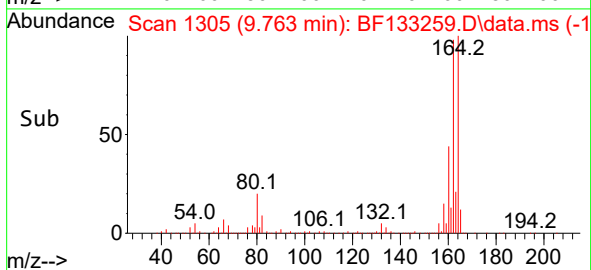
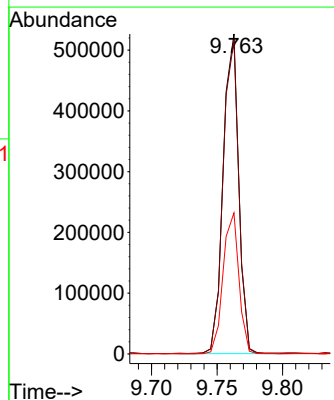
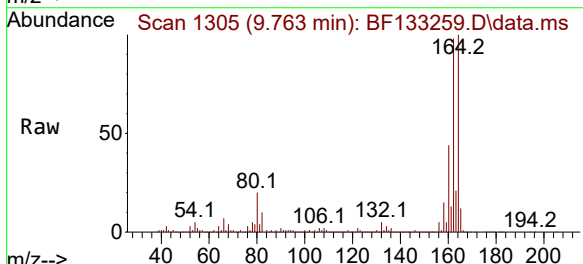
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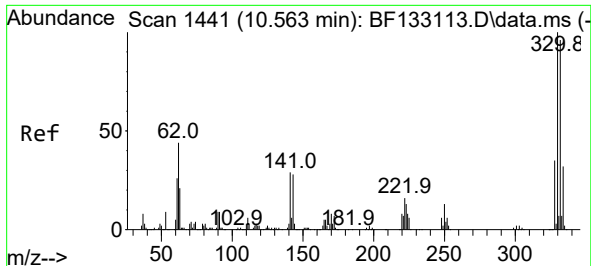
Tgt Ion:142 Resp: 115518
Ion Ratio Lower Upper
142 100
141 89.1 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:164 Resp: 431688
Ion Ratio Lower Upper
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162 98.1 78.7 118.1
160 44.1 35.8 53.6

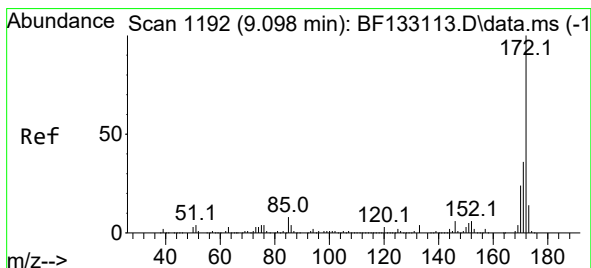
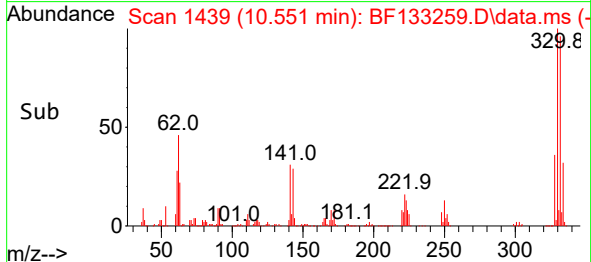
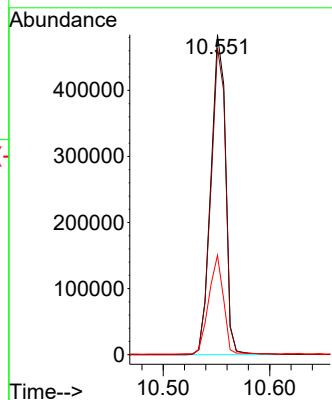
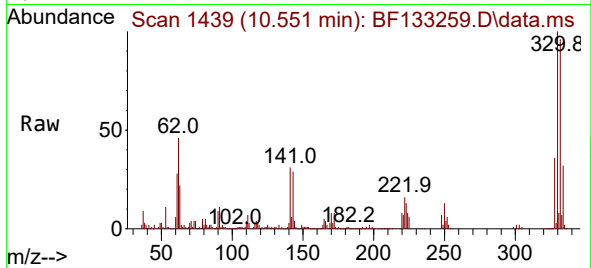




#42
2,4,6-Tribromophenol
Concen: 107.053 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

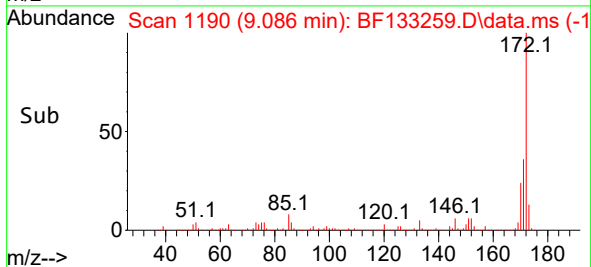
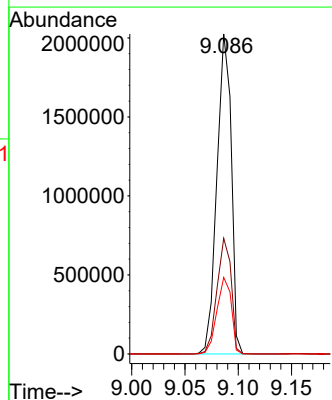
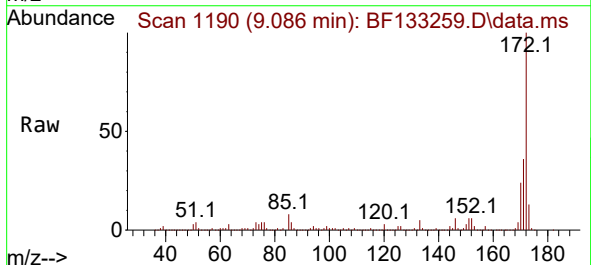
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

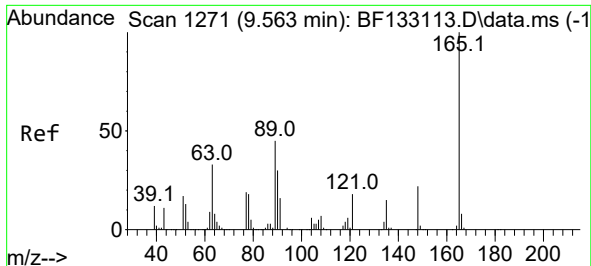
Tgt Ion: 330 Resp: 464765
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 30.9 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 73.401 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion: 172 Resp: 1893973
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.9 19.4 29.2

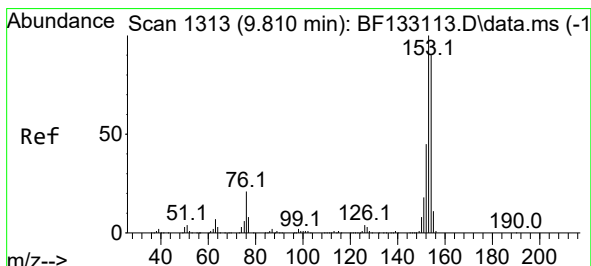
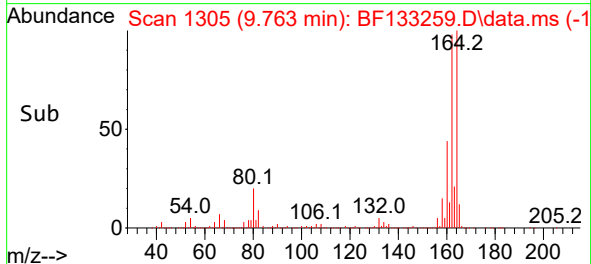
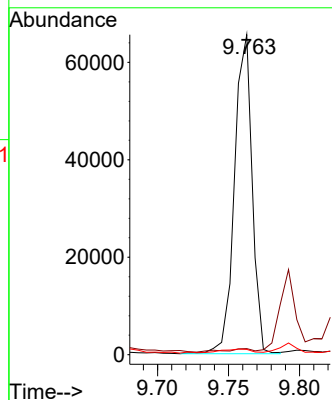
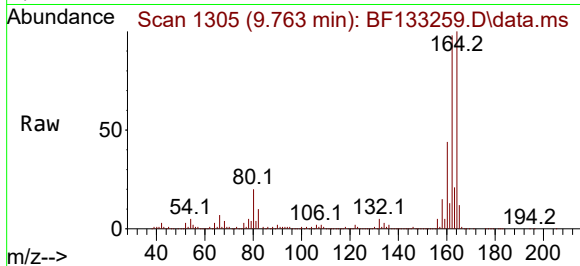




#51
2,6-Dinitrotoluene
Concen: 8.365 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

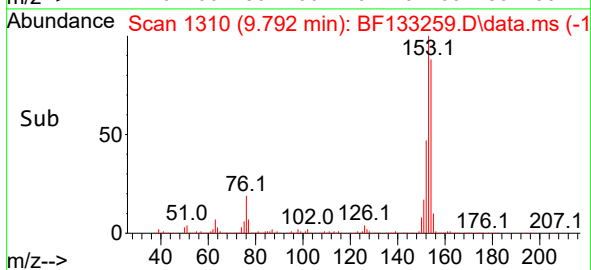
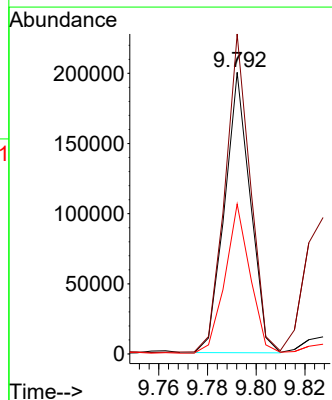
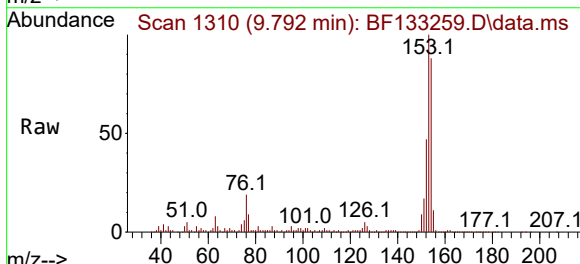
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

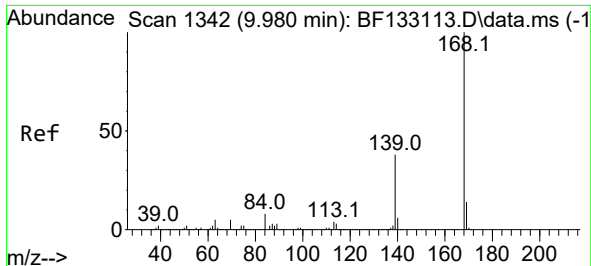
Tgt Ion:165 Resp: 56669
Ion Ratio Lower Upper
165 100
63 1.9 45.9 68.9#
89 1.6 44.0 66.0#



#52
Acenaphthene
Concen: 5.468 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:154 Resp: 146599
Ion Ratio Lower Upper
154 100
153 113.6 89.0 133.6
152 53.2 40.4 60.6

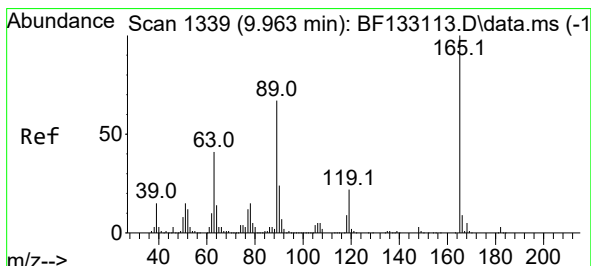
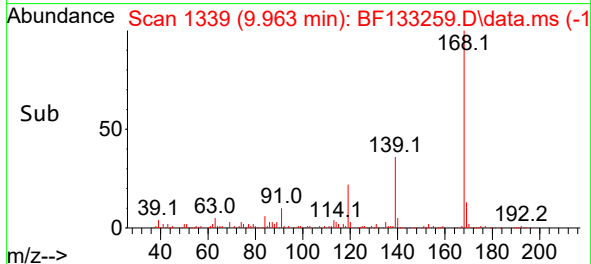
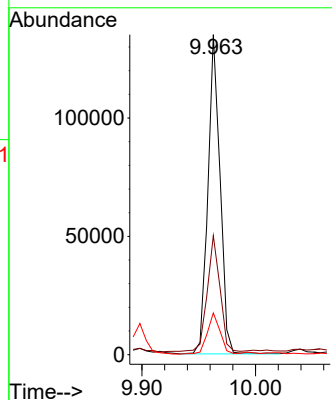
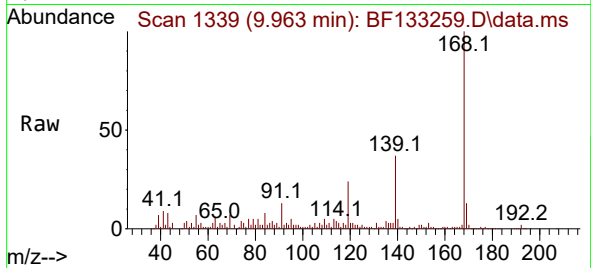




#55
Dibenzenofuran
Concen: 2.725 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

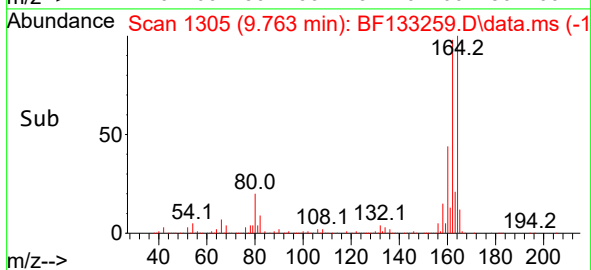
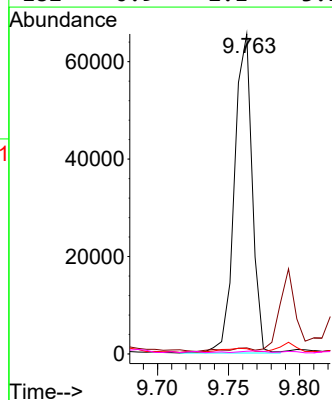
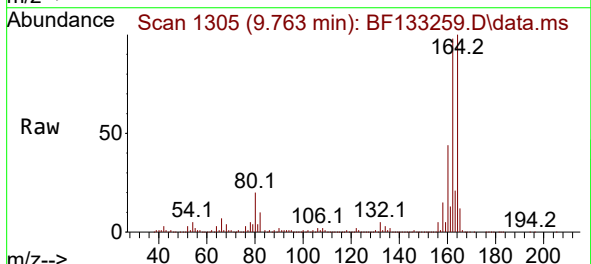
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

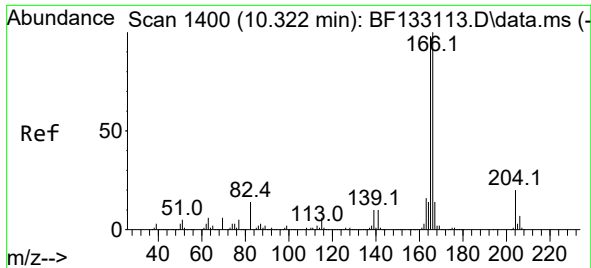
Tgt Ion:168 Resp: 99665
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.8
169 13.0 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.559 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.194 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:165 Resp: 56669
Ion Ratio Lower Upper
165 100
63 1.9 37.7 56.5#
89 1.6 57.0 85.4#
182 0.9 2.1 3.1#

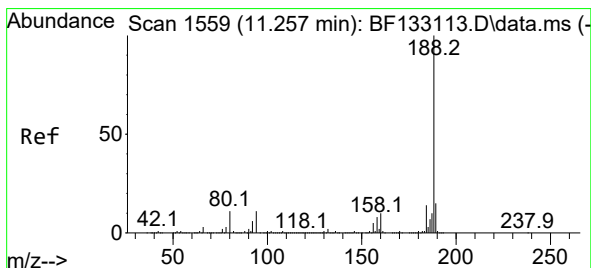
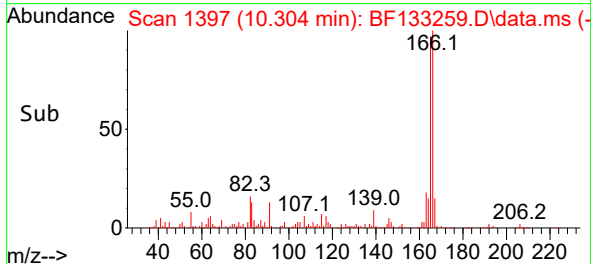
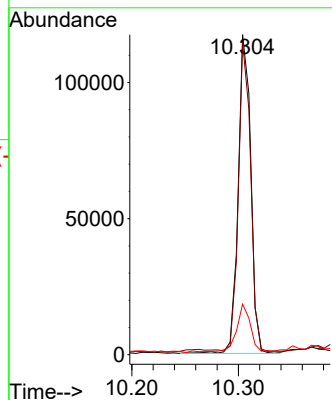
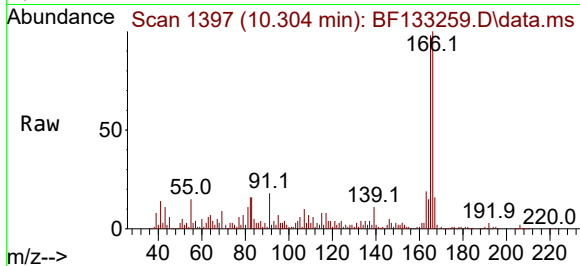




#58
 Fluorene
 Concen: 3.616 ng
 RT: 10.304 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

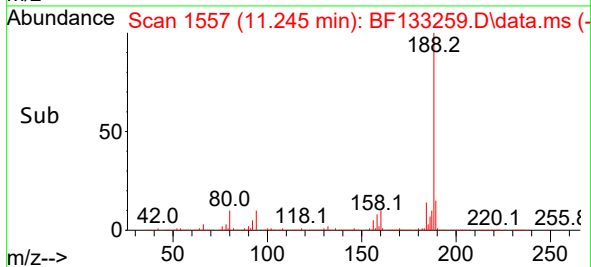
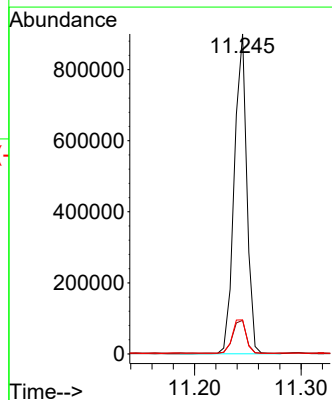
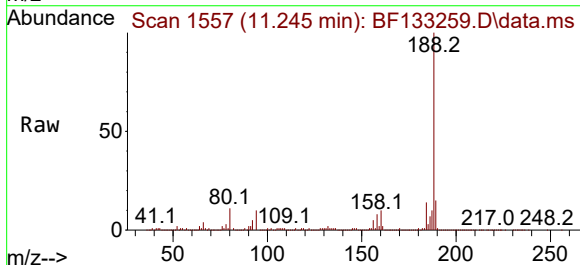
Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503

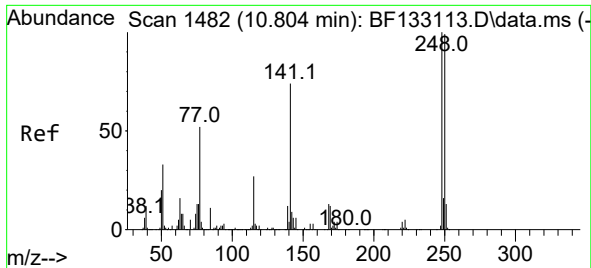
Tgt Ion:166 Resp: 96883
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.6 117.8
 167 15.8 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.245 min Scan# 1557
 Delta R.T. -0.000 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

Tgt Ion:188 Resp: 735801
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.7 14.5
 80 10.7 10.4 15.6

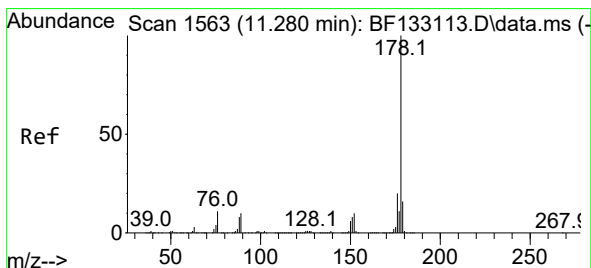
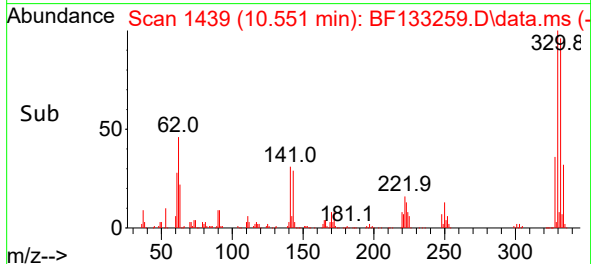
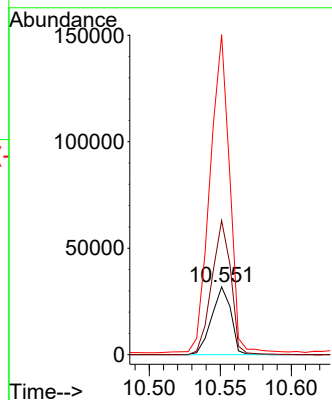
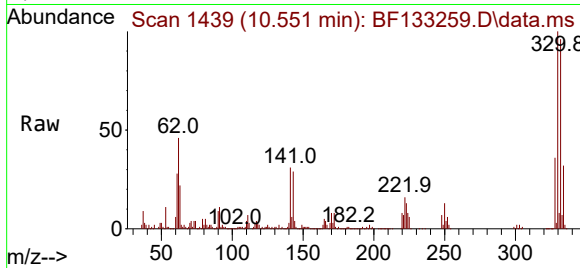




#67
4-Bromophenyl-phenylether
Concen: 3.794 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.241 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

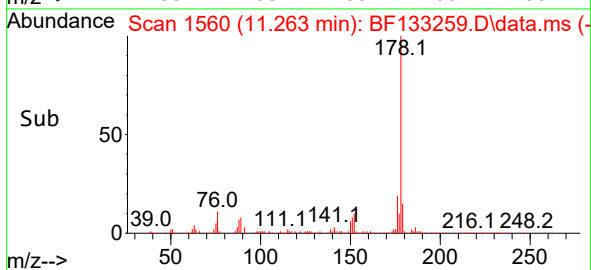
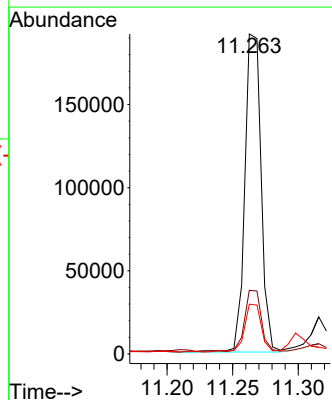
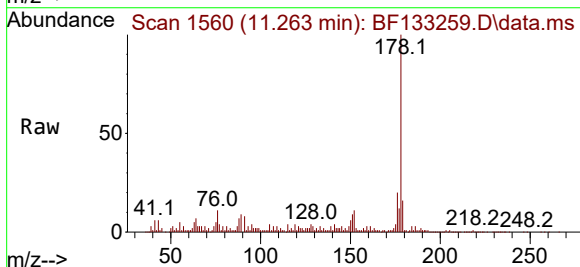
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503

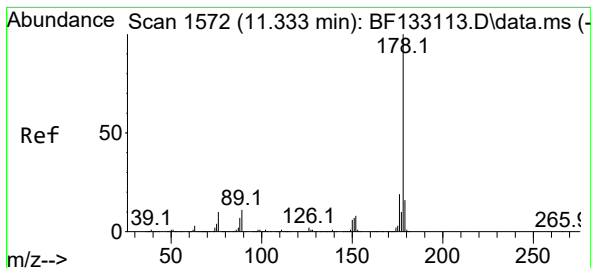
Tgt Ion:248 Resp: 30279
Ion Ratio Lower Upper
248 100
250 197.5 78.7 118.1#
141 471.2 56.3 84.5#



#71
Phenanthrene
Concen: 4.183 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133259.D
Acq: 05 May 2023 12:28

Tgt Ion:178 Resp: 165430
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 4.088 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.059 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

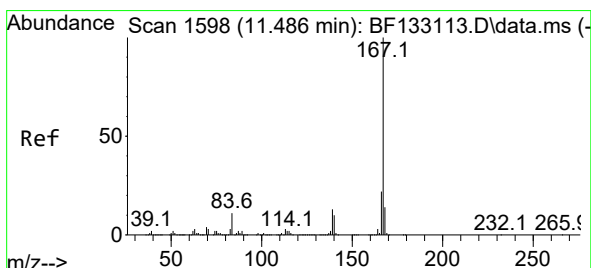
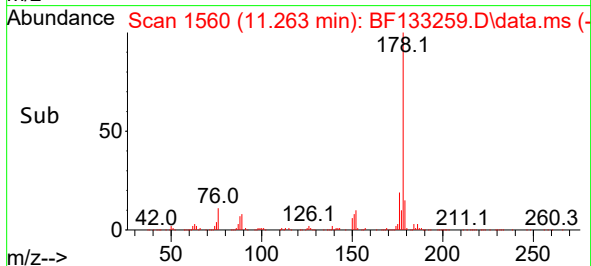
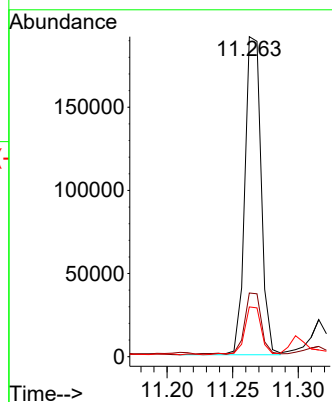
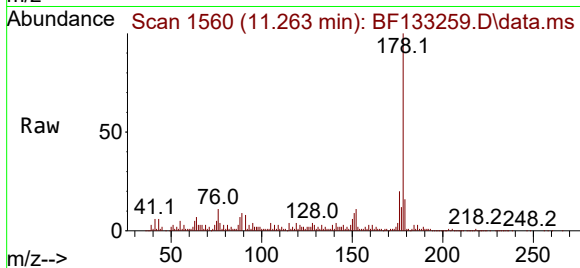
Tgt Ion:178 Resp: 165430

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.0

179 15.5 12.4 18.6



#73

Carbazole

Concen: 7.421 ng

RT: 11.474 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

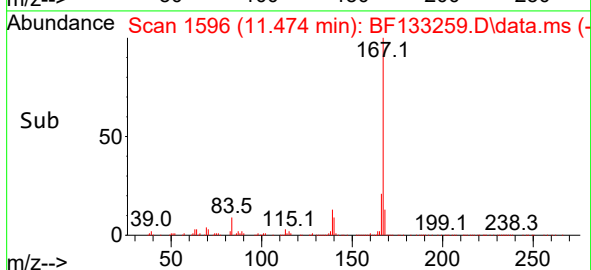
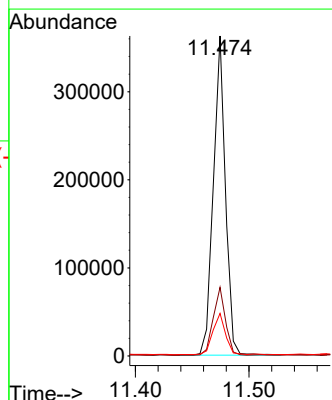
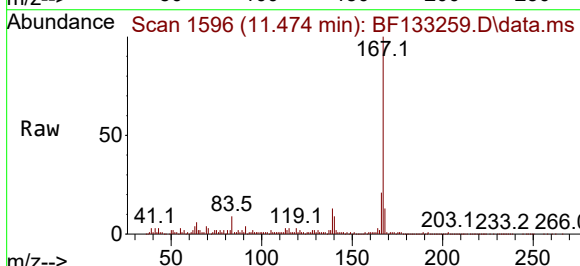
Tgt Ion:167 Resp: 267420

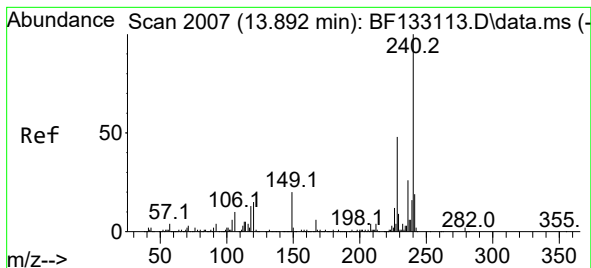
Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.0

139 13.3 10.6 16.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503

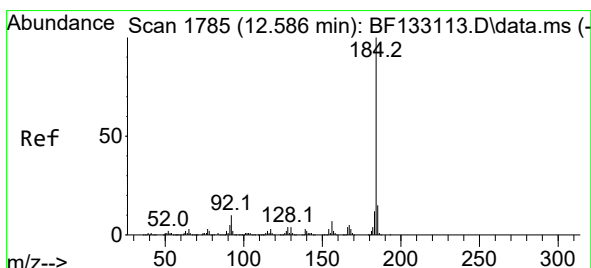
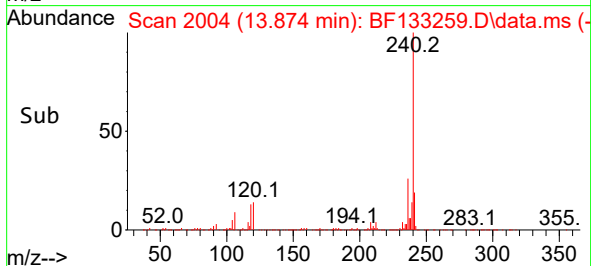
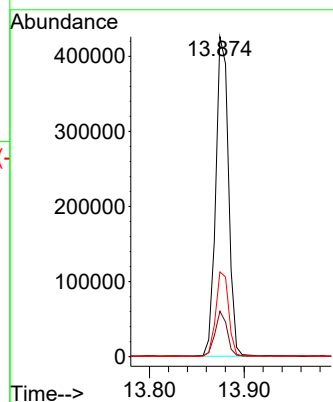
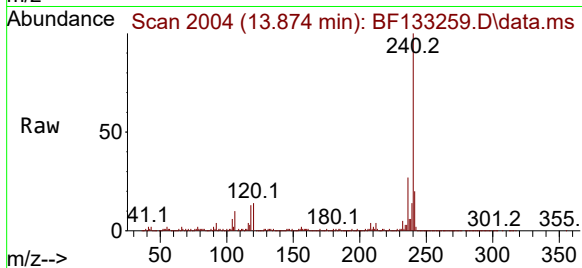
Tgt Ion:240 Resp: 397220

Ion Ratio Lower Upper

240 100

120 14.2 10.5 15.7

236 26.5 21.5 32.3



#77

Benzidine

Concen: 3.270 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.259 min

Lab File: BF133259.D

Acq: 05 May 2023 12:28

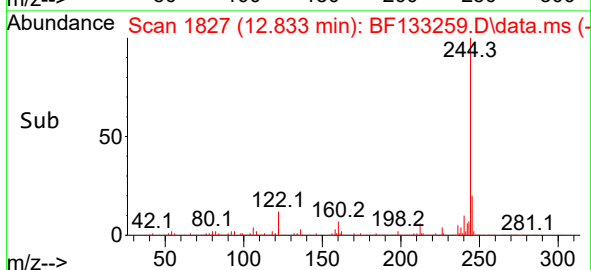
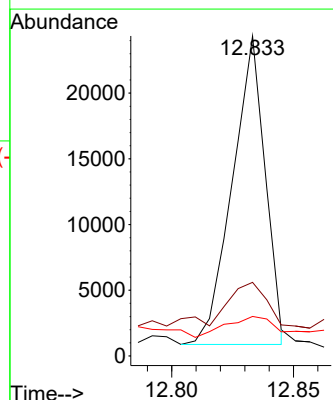
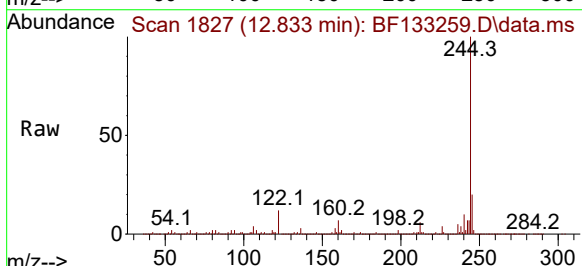
Tgt Ion:184 Resp: 21963

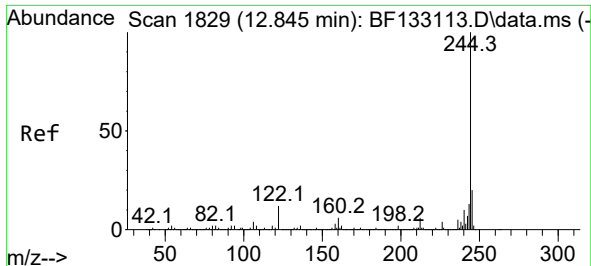
Ion Ratio Lower Upper

184 100

185 23.0 15.4 23.2

183 12.3 9.4 14.0

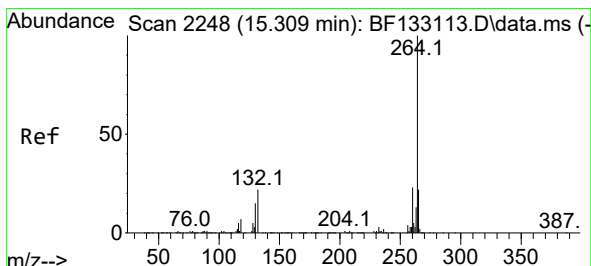
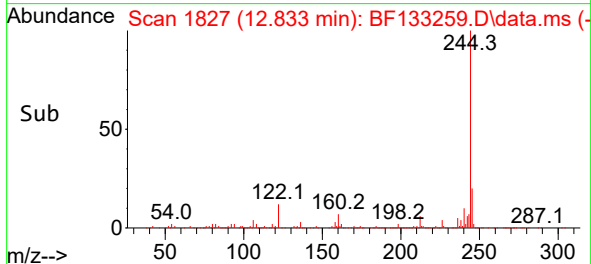
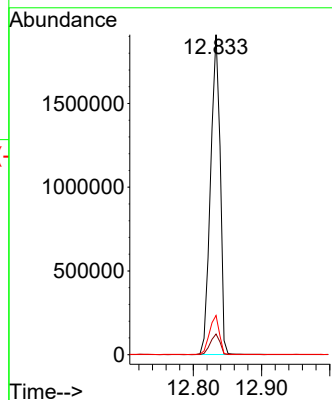
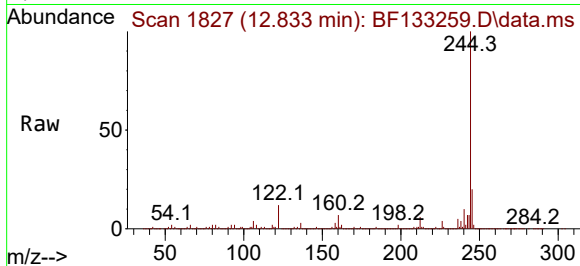




#79
 Terphenyl-d14
 Concen: 81.087 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-1-20230503

Tgt Ion:244 Resp: 1867561
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.2 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF133259.D
 Acq: 05 May 2023 12:28

Tgt Ion:264 Resp: 416711
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.8 28.2
 265 21.0 17.0 25.4

