

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133119.D
 Acq On : 28 Apr 2023 12:53
 Operator : CG\JU
 Sample : 02522-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Apr 28 13:13:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 12:18:20 2023
 Response via : Initial Calibration

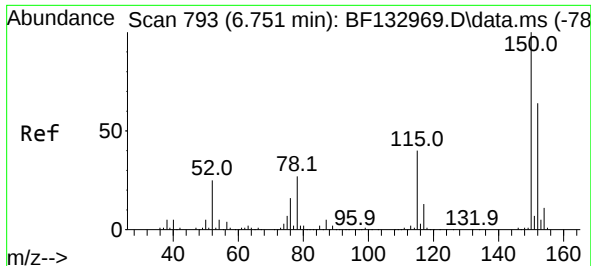
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	167477	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	399558	20.000	ng	0.01
39) Acenaphthene-d10	9.775	164	335874	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	622739	20.000	ng	0.00
76) Chrysene-d12	13.886	240	396763	20.000	ng	-0.01
86) Perylene-d12	15.304	264	341054	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	698430	62.997	ng	0.00
7) Phenol-d6	6.375	99	518079	37.649	ng	0.00
23) Nitrobenzene-d5	7.310	82	898812	121.422	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	468910	138.819	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1847590	92.029	ng	0.00
79) Terphenyl-d14	12.839	244	2171839	94.406	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.293	77	98705	9.806	ng	# 1
18) Hexachloroethane	7.275	117	421863	101.164	ng	# 45
19) n-Nitroso-di-n-propyla...	7.310	70	118005	13.775	ng	# 82
22) Acetophenone	7.134	105	332211	35.893	ng	# 52
24) Nitrobenzene	7.316	77	116080	15.475	ng	# 1
25) Isophorone	7.310	82	882768	62.810	ng	# 63
31) Naphthalene	8.092	128	18255206	913.827	ng	95
33) 4-Chloroaniline	8.104	127	2748036	340.467	ng	# 35
35) Caprolactam	8.486	113	4851	2.557	ng	# 5
37) 2-Methylnaphthalene	8.757	142	4797234	351.252	ng	97
38) 1-Methylnaphthalene	8.857	142	4805699	376.139	ng	100
46) 1,1'-Biphenyl	9.198	154	822813	30.894	ng	98
48) 2-Nitroaniline	9.292	65	13750	2.134	ng	# 20
49) Acenaphthylene	9.633	152	80866	2.596	ng	# 19
51) 2,6-Dinitrotoluene	9.469	165	31070	5.894	ng	# 63
52) Acenaphthene	9.810	154	1647263	78.962	ng	98
56) 4-Nitrophenol	9.875	139	10667	2.197	ng	# 37
57) 2,4-Dinitrotoluene	9.757	165	82203	12.228	ng	# 43
58) Fluorene	10.316	166	701730	33.658	ng	100
67) 4-Bromophenyl-phenylether	10.563	248	30149	4.464	ng	# 1
71) Phenanthrene	11.280	178	1581797	47.260	ng	99
72) Anthracene	11.328	178	331870	9.689	ng	99
75) Fluoranthene	12.457	202	90957	2.708	ng	97
77) Benzidine	12.839	184	25081	3.738	ng	# 91
78) Pyrene	12.686	202	170933	5.026	ng	99

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

Quant Time: Apr 28 13:13:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
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QLast Update : Fri Apr 28 12:18:20 2023
Response via : Initial Calibration

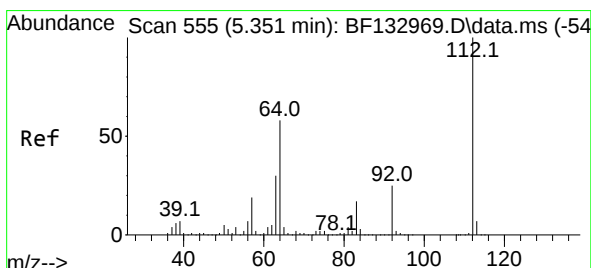
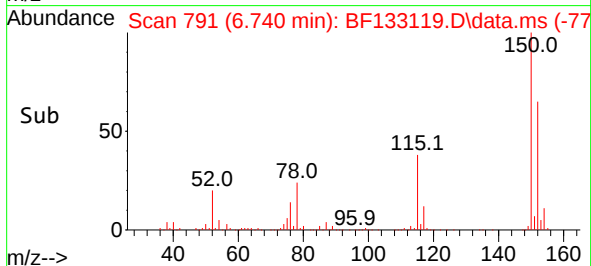
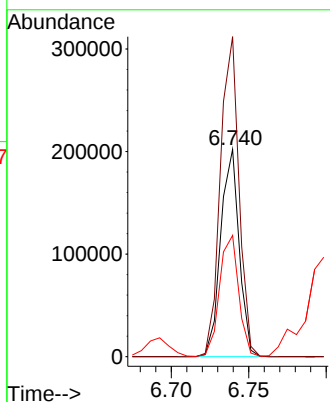
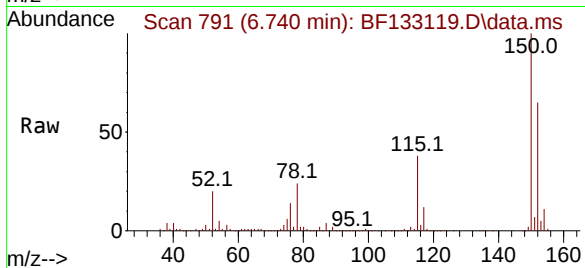




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 793
 Delta R.T. -0.000 min
 Lab File: BF133119.D
 Acq: 28 Apr 2023 12:53

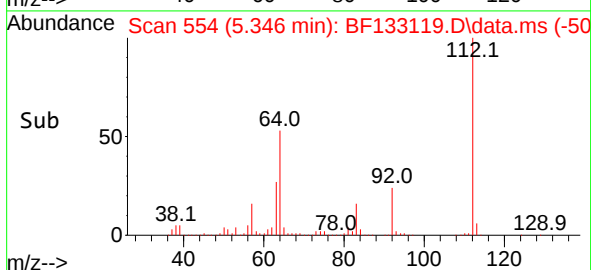
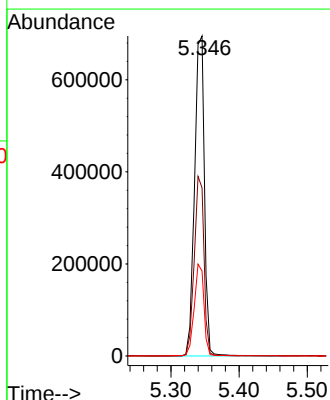
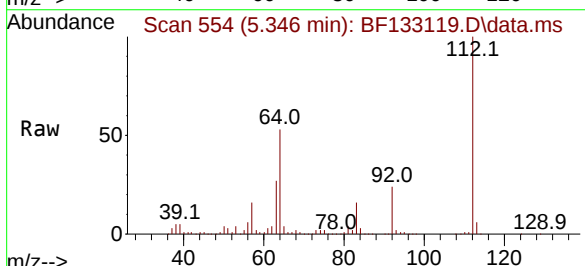
Instrument :
 BNA_F
 ClientSampleId :
 MW-14

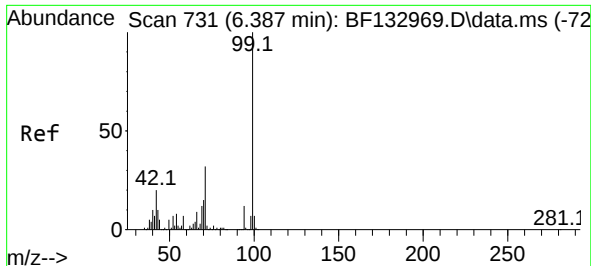
Tgt Ion:152 Resp: 167477
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.8 187.2
 115 58.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 62.997 ng
 RT: 5.346 min Scan# 554
 Delta R.T. -0.000 min
 Lab File: BF133119.D
 Acq: 28 Apr 2023 12:53

Tgt Ion:112 Resp: 698430
 Ion Ratio Lower Upper
 112 100
 64 52.5 46.8 70.2
 63 26.6 23.8 35.8

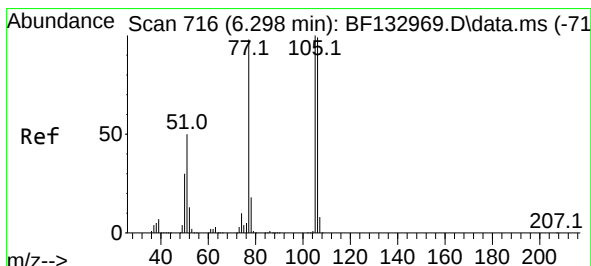
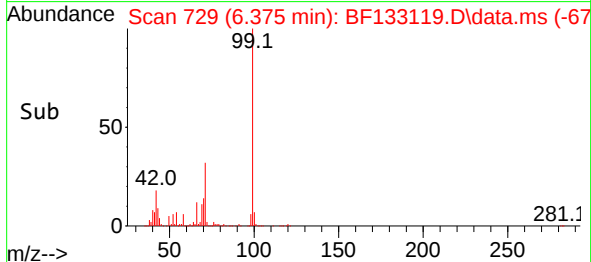
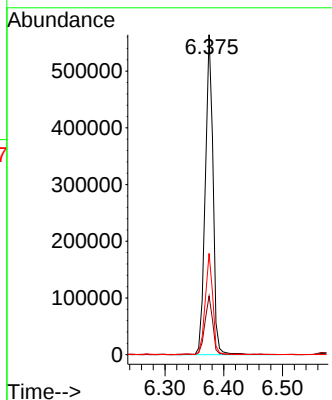
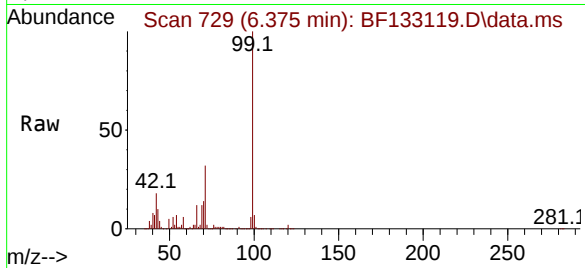




#7
Phenol-d6
Concen: 37.649 ng
RT: 6.375 min Scan# 715
Delta R.T. -0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

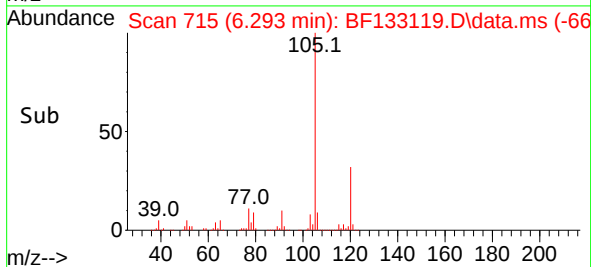
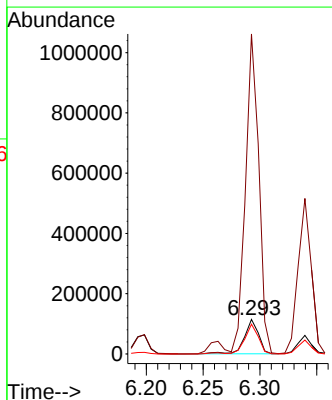
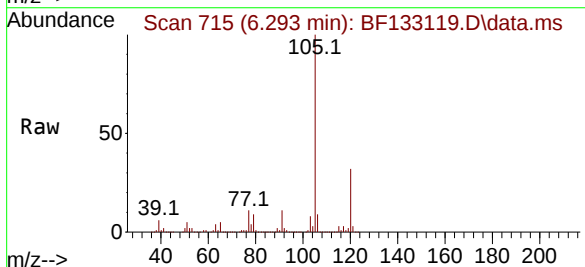
Instrument :
BNA_F
ClientSampleId :
MW-14

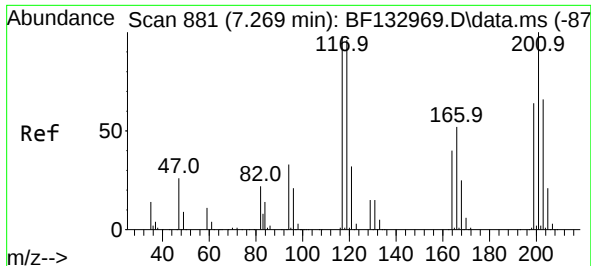
Tgt Ion: 99 Resp: 518079
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 31.7 25.6 38.4



#9
Benzaldehyde
Concen: 9.806 ng
RT: 6.293 min Scan# 715
Delta R.T. 0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion: 77 Resp: 98705
Ion Ratio Lower Upper
77 100
105 926.0 82.3 122.3#
106 86.0 80.8 120.8

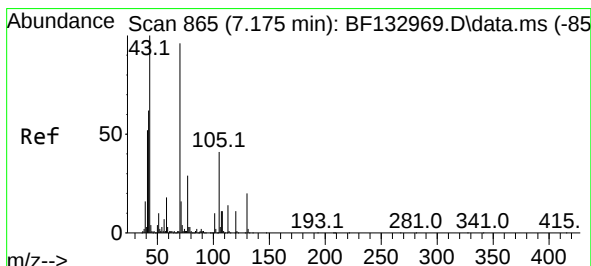
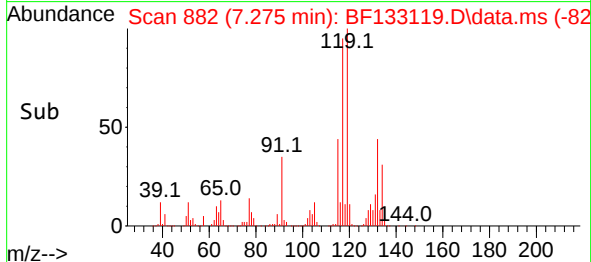
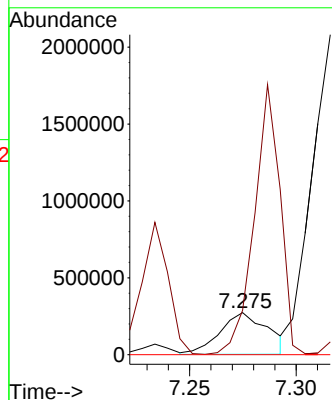
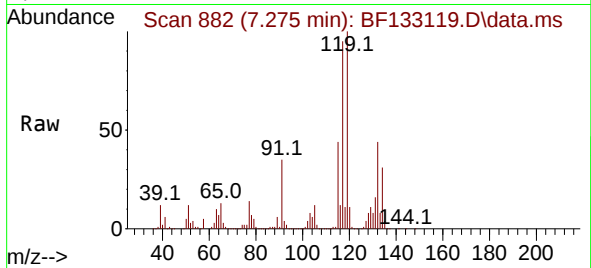




#18
Hexachloroethane
Concen: 101.164 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.023 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

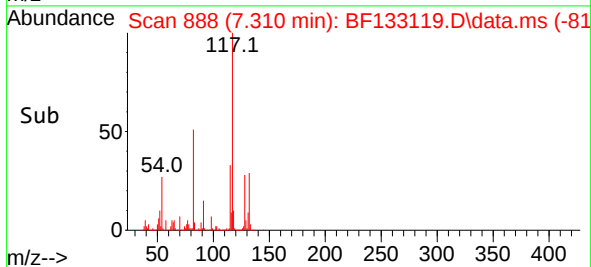
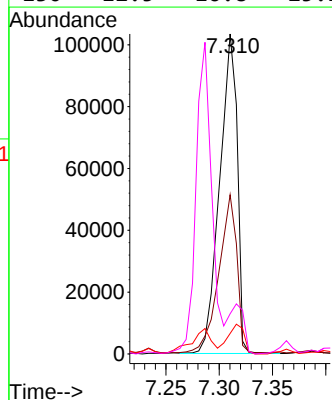
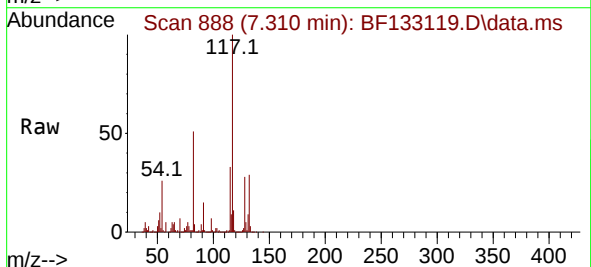
Instrument :
BNA_F
Client SampleId :
MW-14

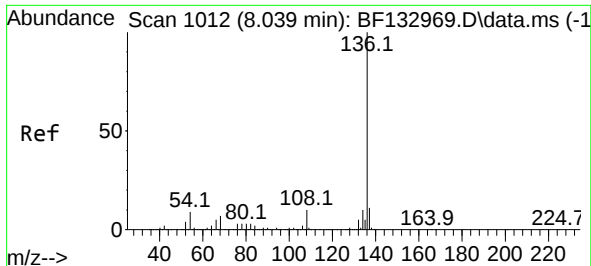
Tgt Ion:117 Resp: 421863
Ion Ratio Lower Upper
117 100
119 105.0 78.2 117.4
201 0.0 81.7 122.5#



#19
n-Nitroso-di-n-propylamine
Concen: 13.775 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion: 70 Resp: 118005
Ion Ratio Lower Upper
70 100
42 49.7 51.8 77.6#
101 6.4 8.0 12.0#
130 12.5 16.8 25.2#



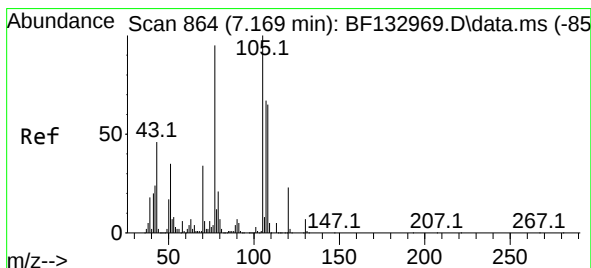
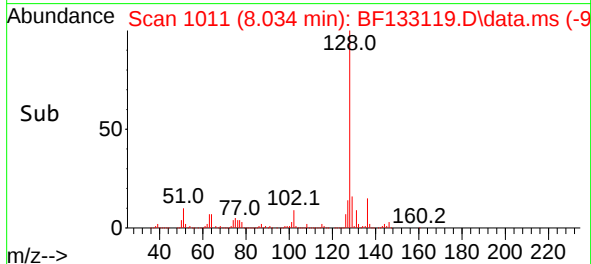
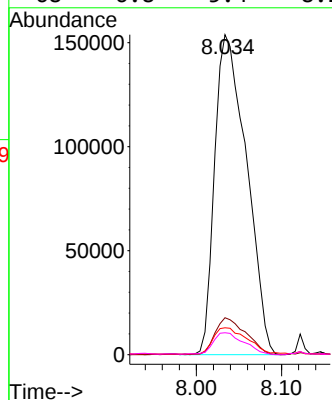
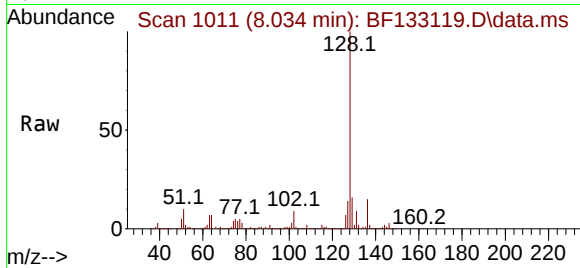


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. 0.012 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Instrument :
BNA_F
ClientSampleId :
MW-14

Tgt Ion:136 Resp: 399558

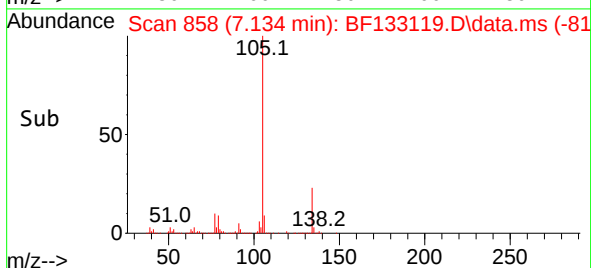
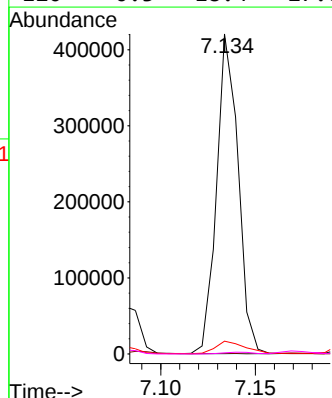
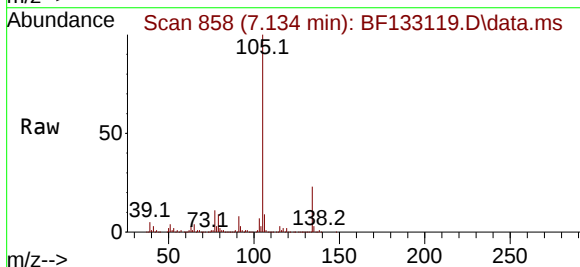
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	8.4	7.0	10.4
68	6.8	5.4	8.2

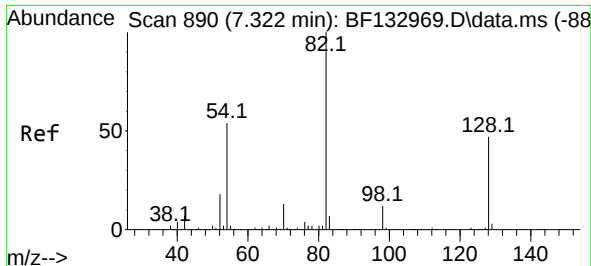


#22
Acetophenone
Concen: 35.893 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.018 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:105 Resp: 332211

Ion	Ratio	Lower	Upper
105	100		
71	0.1	4.6	7.0#
51	4.0	28.2	42.2#
120	0.3	18.4	27.6#





#23

Nitrobenzene-d5

Concen: 121.422 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

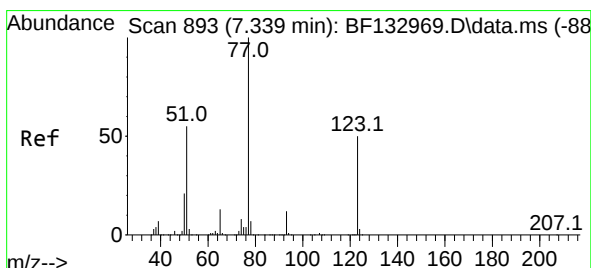
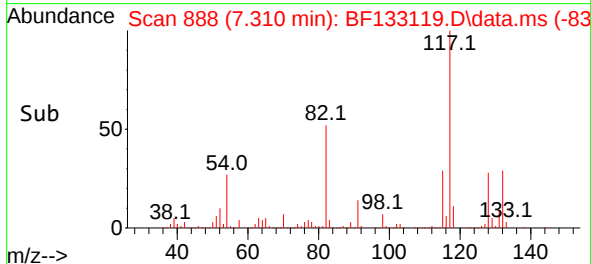
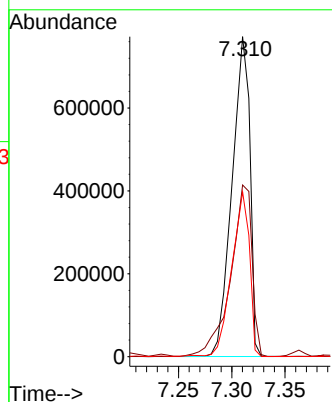
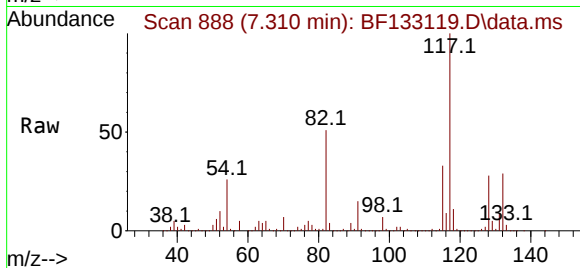
Tgt Ion: 82 Resp: 898812

Ion Ratio Lower Upper

82 100

128 53.7 37.7 56.5

54 51.5 43.0 64.4



#24

Nitrobenzene

Concen: 15.475 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

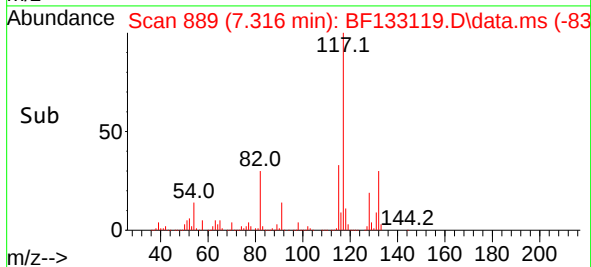
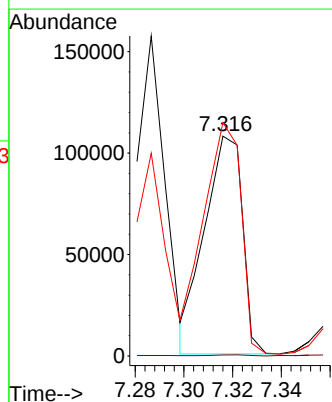
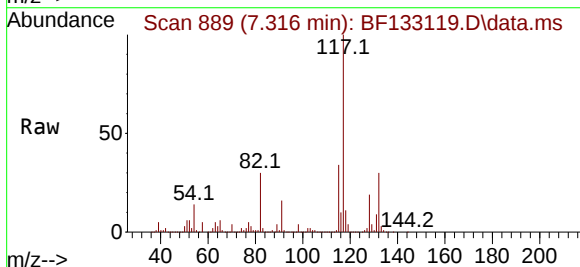
Tgt Ion: 77 Resp: 116080

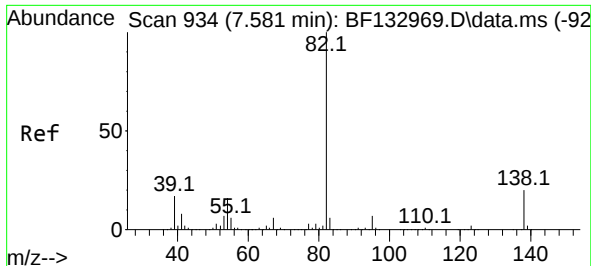
Ion Ratio Lower Upper

77 100

123 0.5 39.9 59.9#

65 106.1 10.7 16.1#

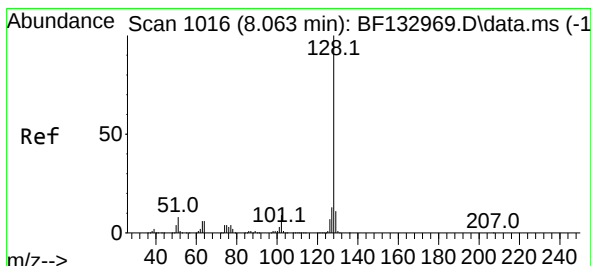
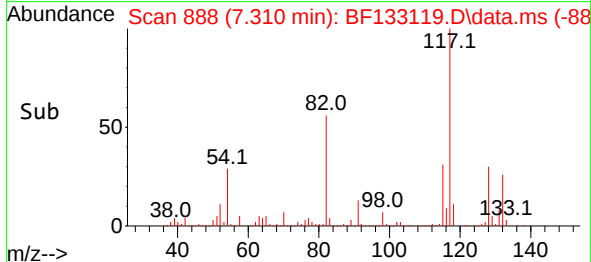
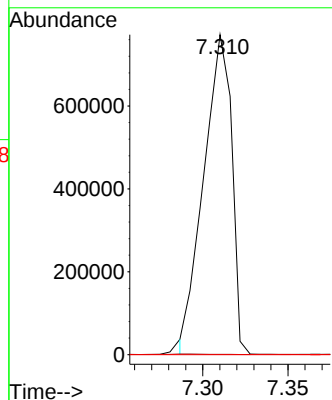
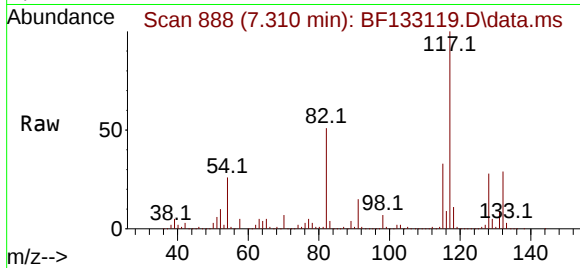




#25
Isophorone
Concen: 62.810 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

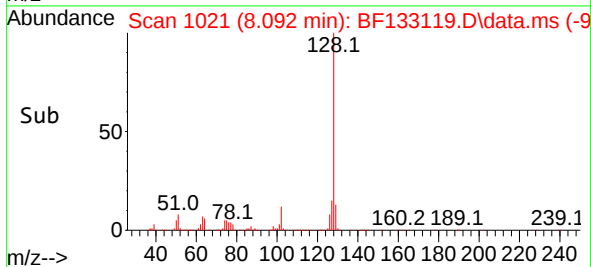
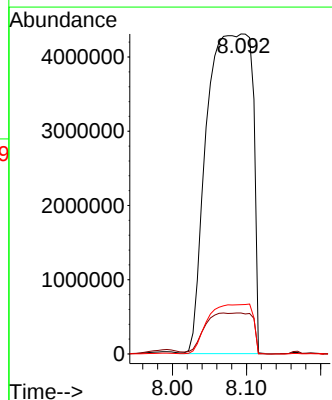
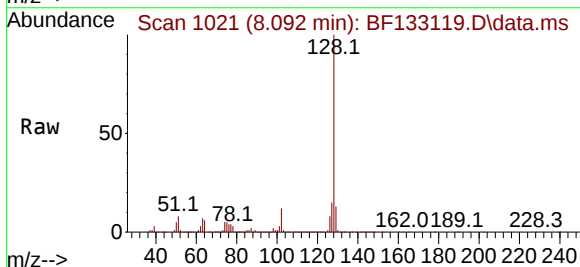
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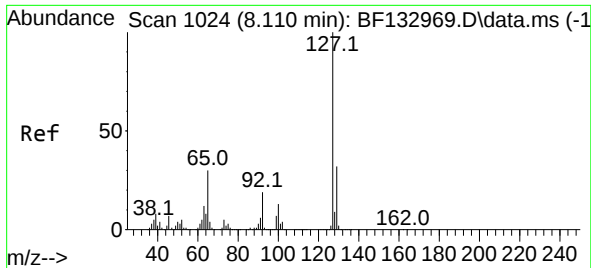
Tgt Ion: 82 Resp: 882768
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 913.827 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.047 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:128 Resp:18255206
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 15.4 10.7 16.1

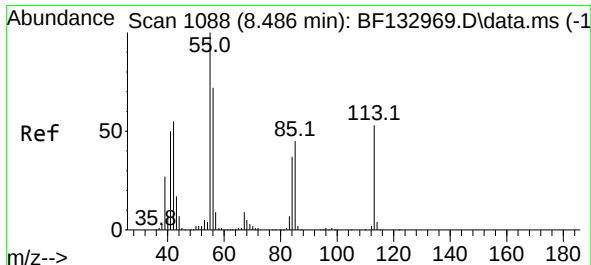
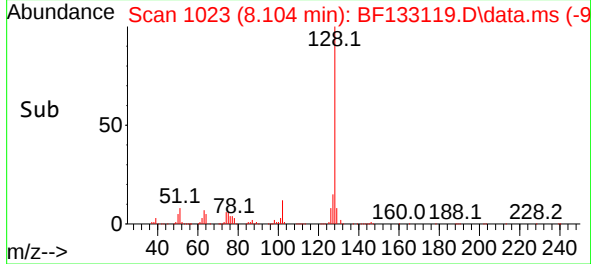
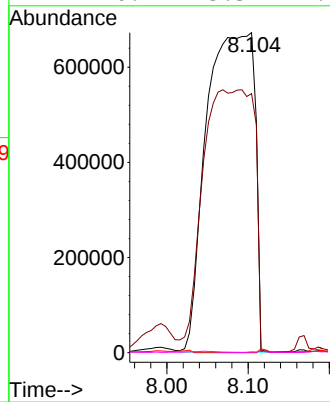
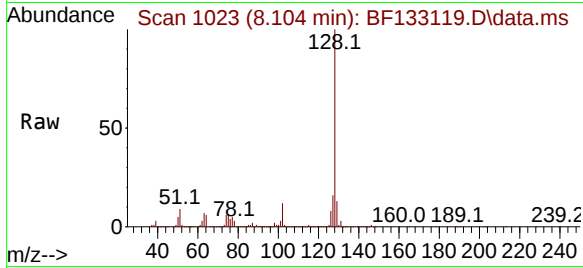




#33
4-Chloroaniline
Concen: 340.467 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

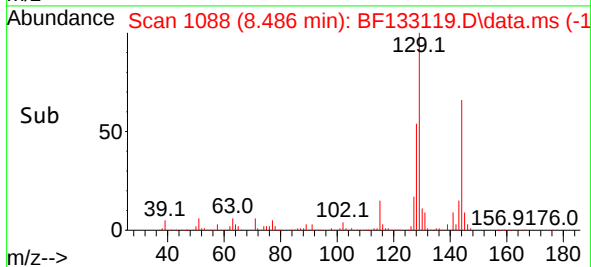
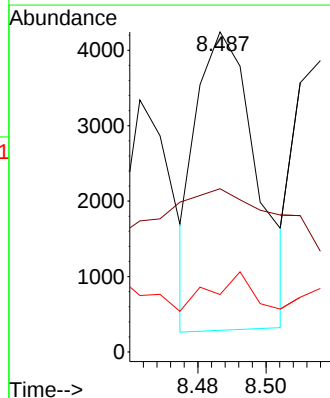
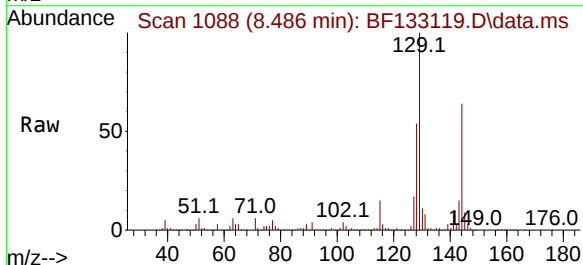
Instrument :
BNA_F
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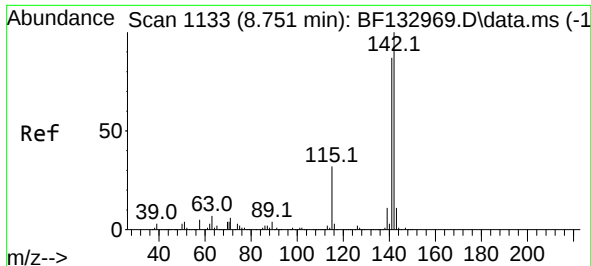
Tgt Ion:127 Resp: 2748036
Ion Ratio Lower Upper
127 100
129 81.0 25.8 38.8#
65 0.0 23.6 35.4#
92 0.2 15.3 22.9#



#35
Caprolactam
Concen: 2.557 ng
RT: 8.486 min Scan# 1088
Delta R.T. 0.018 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:113 Resp: 4851
Ion Ratio Lower Upper
113 100
55 51.0 167.1 207.1#
56 18.0 114.5 154.5#





#37

2-Methylnaphthalene

Concen: 351.252 ng

RT: 8.757 min Scan# 1134

Delta R.T. 0.023 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

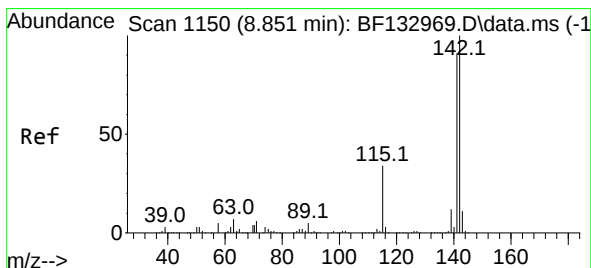
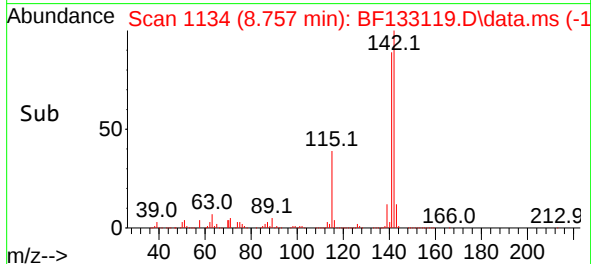
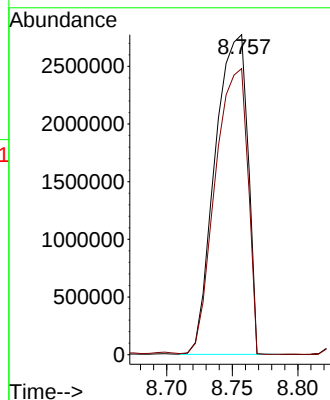
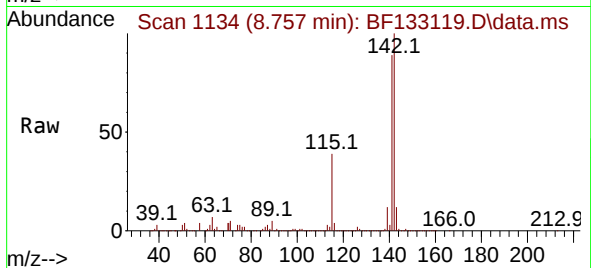
MW-14

Tgt Ion:142 Resp: 4797234

Ion Ratio Lower Upper

142 100

141 89.4 69.4 104.0



#38

1-Methylnaphthalene

Concen: 376.139 ng

RT: 8.857 min Scan# 1151

Delta R.T. 0.023 min

Lab File: BF133119.D

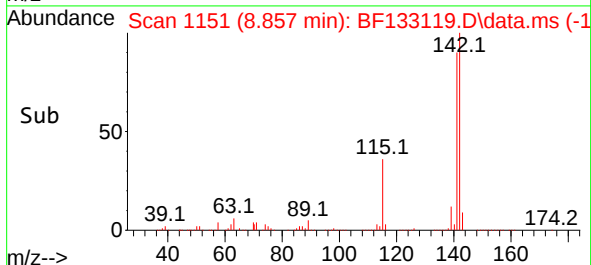
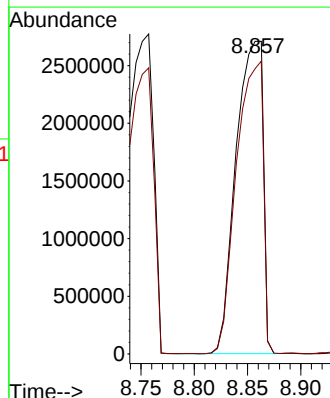
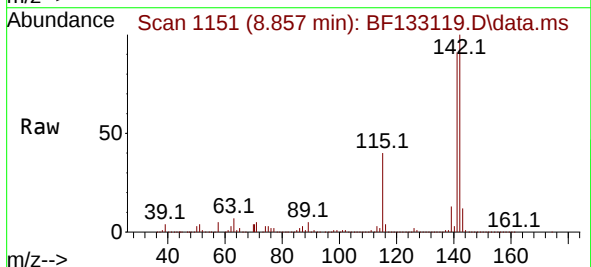
Acq: 28 Apr 2023 12:53

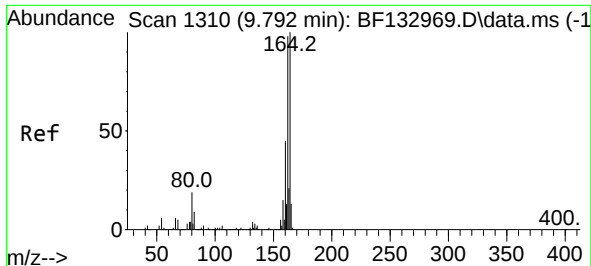
Tgt Ion:142 Resp: 4805699

Ion Ratio Lower Upper

142 100

141 91.3 73.1 109.7

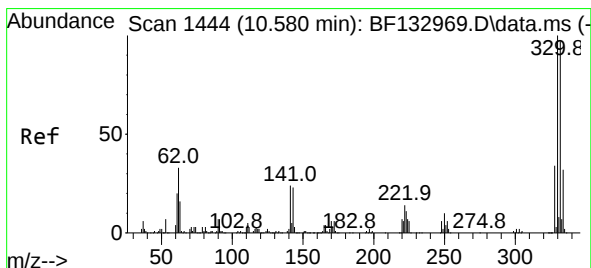
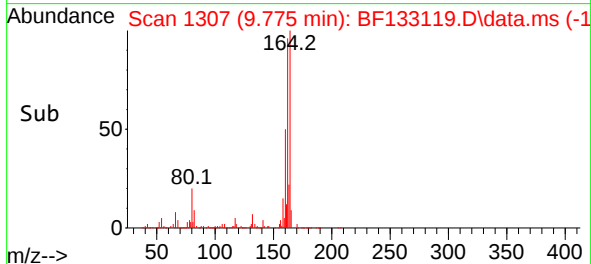
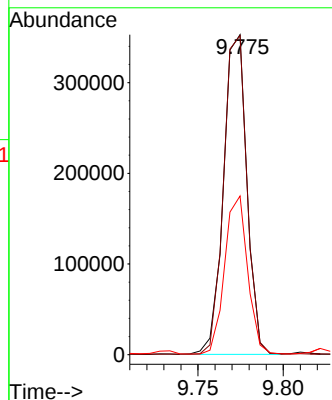
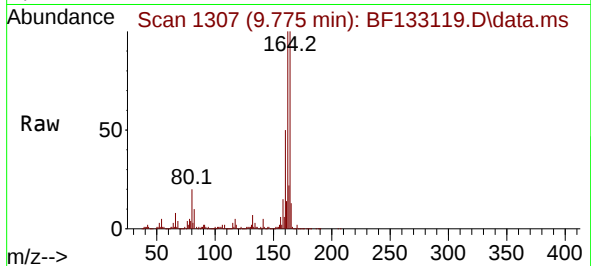




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

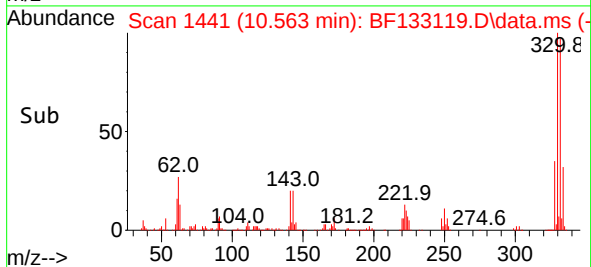
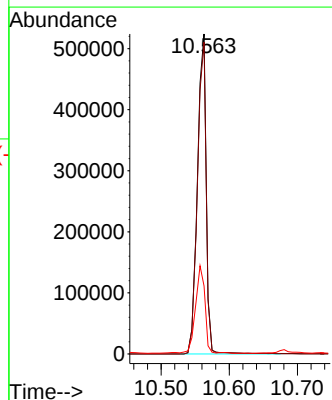
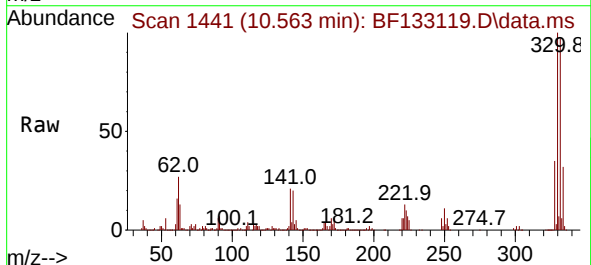
Instrument :
BNA_F
ClientSampleId :
MW-14

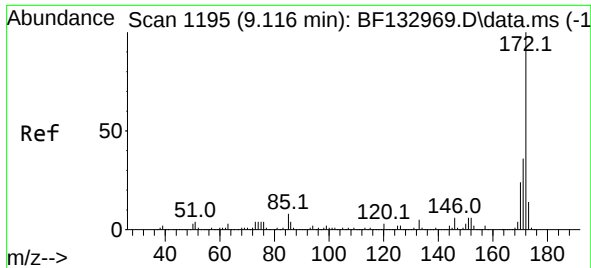
Tgt Ion:164 Resp: 335874
Ion Ratio Lower Upper
164 100
162 99.7 78.7 118.1
160 49.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 138.819 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:330 Resp: 468910
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 29.2 25.8 38.8

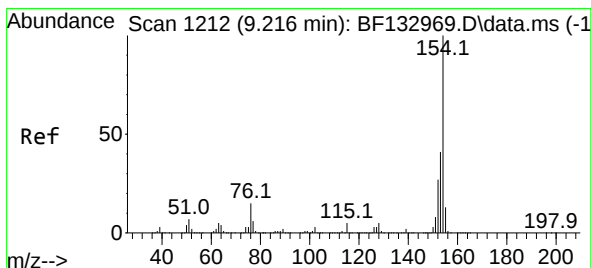
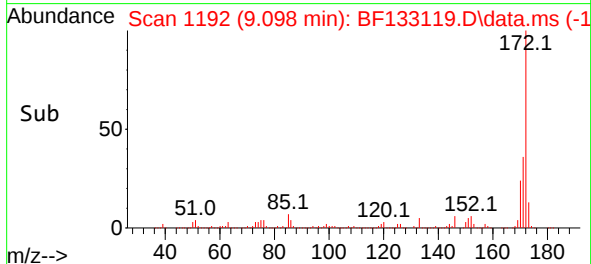
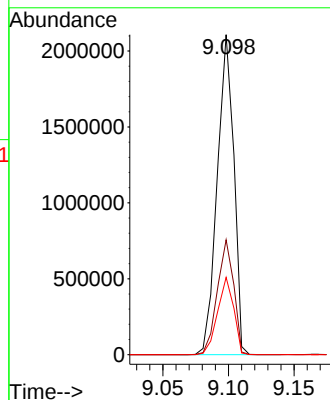
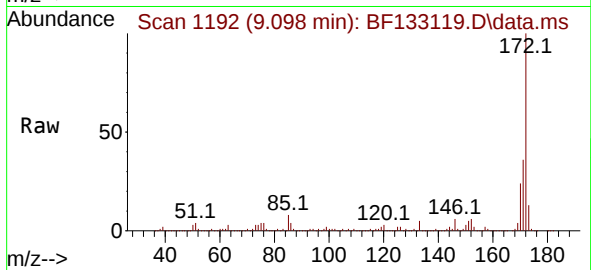




#45
2-Fluorobiphenyl
Concen: 92.029 ng
RT: 9.098 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

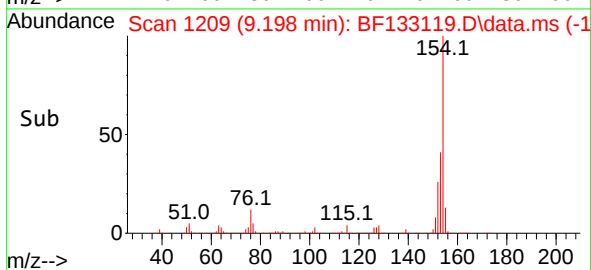
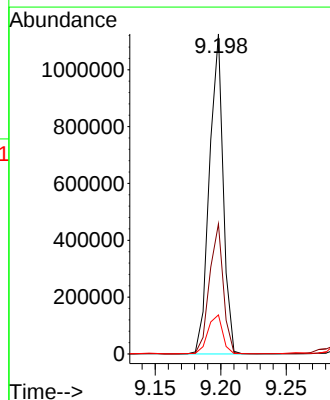
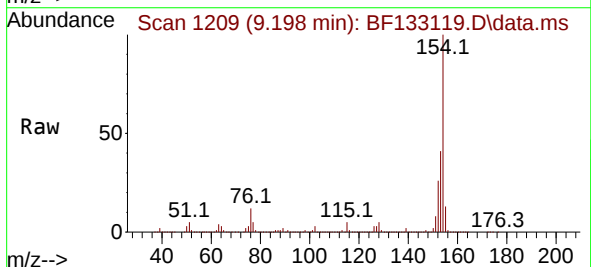
Instrument :
BNA_F
ClientSampleId :
MW-14

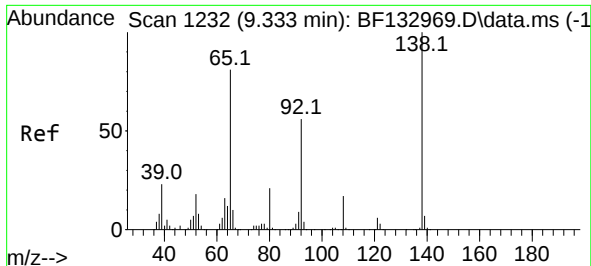
Tgt Ion:172 Resp: 1847590
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.1 19.4 29.2



#46
1,1'-Biphenyl
Concen: 30.894 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:154 Resp: 822813
Ion Ratio Lower Upper
154 100
153 40.6 21.0 61.0
76 12.2 0.0 34.5





#48

2-Nitroaniline

Concen: 2.134 ng

RT: 9.292 min Scan# 1

Delta R.T. -0.024 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

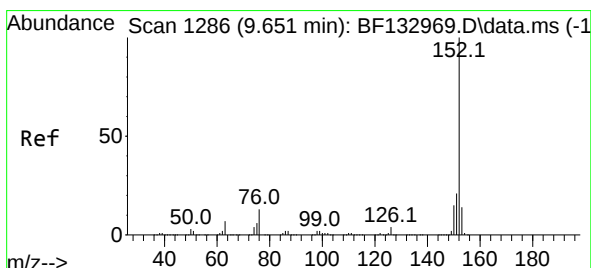
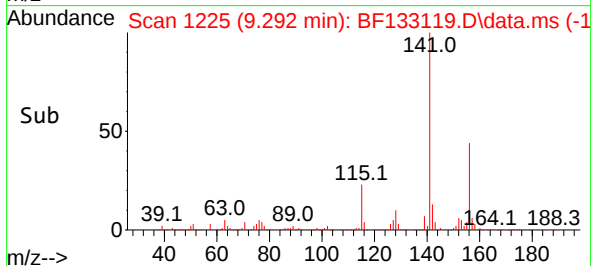
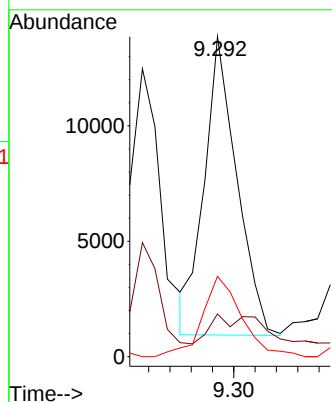
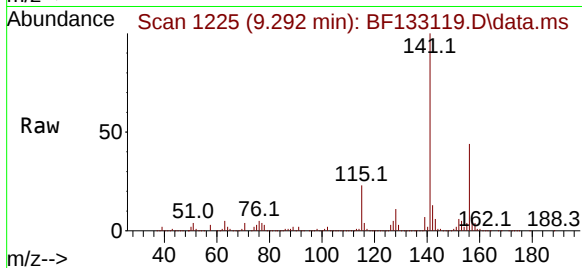
Tgt Ion: 65 Resp: 13750

Ion Ratio Lower Upper

65 100

92 13.4 55.4 83.0#

138 25.1 98.2 147.2#



#49

Acenaphthylene

Concen: 2.596 ng

RT: 9.633 min Scan# 1283

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

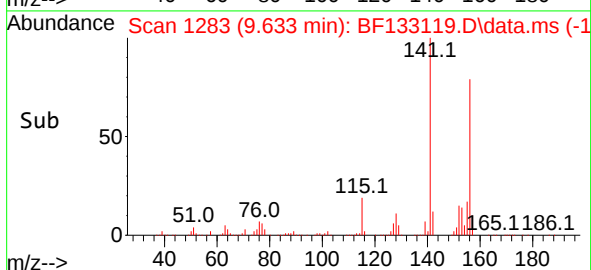
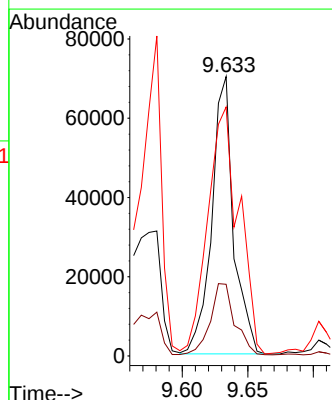
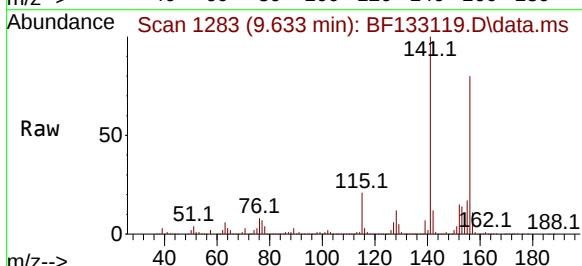
Tgt Ion:152 Resp: 80866

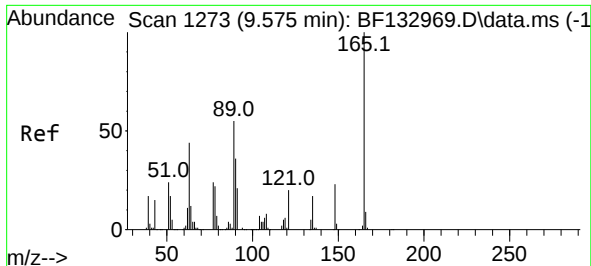
Ion Ratio Lower Upper

152 100

151 25.7 16.6 24.8#

153 89.1 11.5 17.3#





#51

2,6-Dinitrotoluene

Concen: 5.894 ng

RT: 9.469 min Scan# 11

Delta R.T. -0.094 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

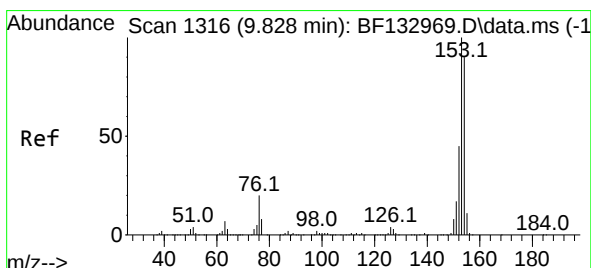
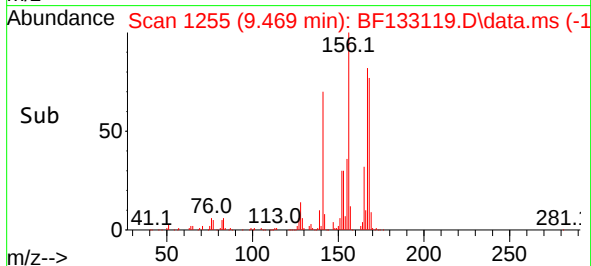
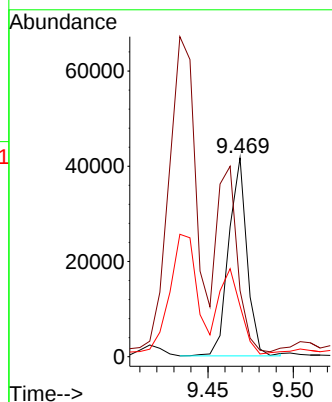
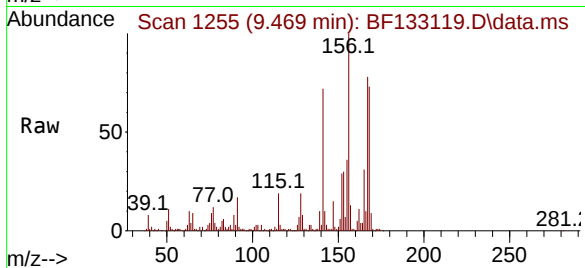
Tgt Ion:165 Resp: 31070

Ion Ratio Lower Upper

165 100

63 33.3 45.9 68.9#

89 25.6 44.0 66.0#



#52

Acenaphthene

Concen: 78.962 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.000 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

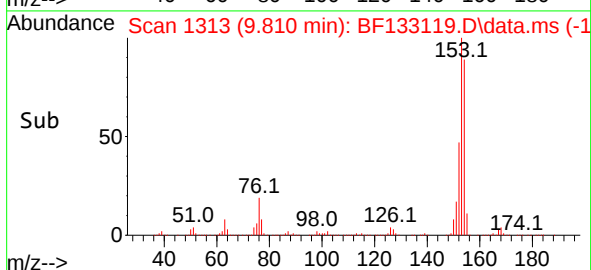
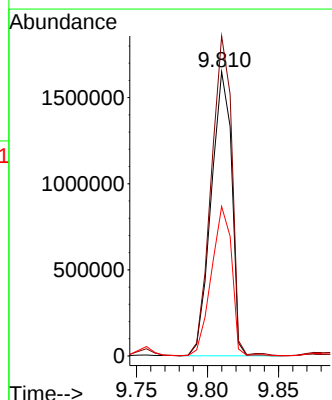
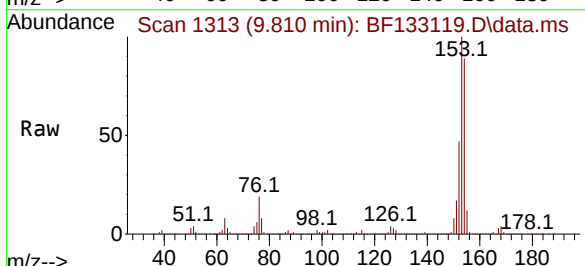
Tgt Ion:154 Resp: 1647263

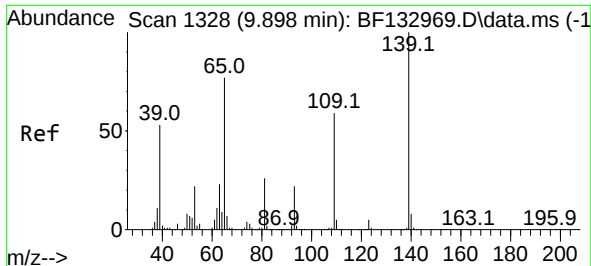
Ion Ratio Lower Upper

154 100

153 112.6 89.0 133.6

152 52.6 40.4 60.6

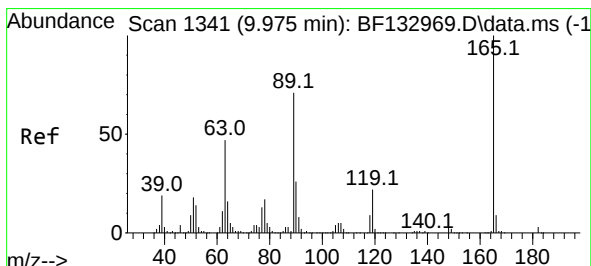
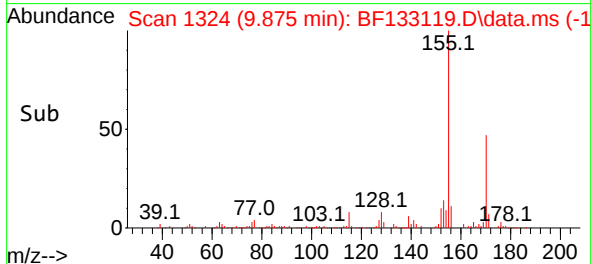
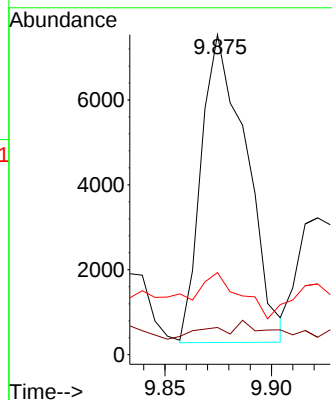
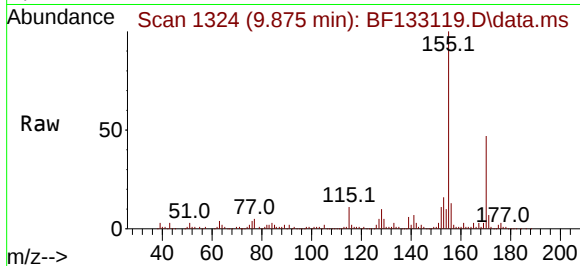




#56
4-Nitrophenol
Concen: 2.197 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

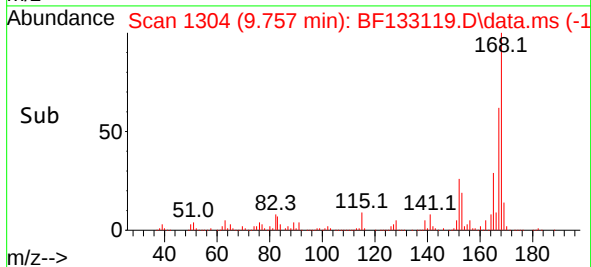
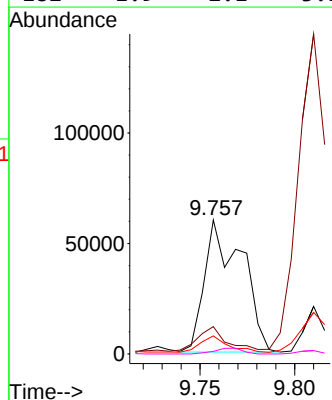
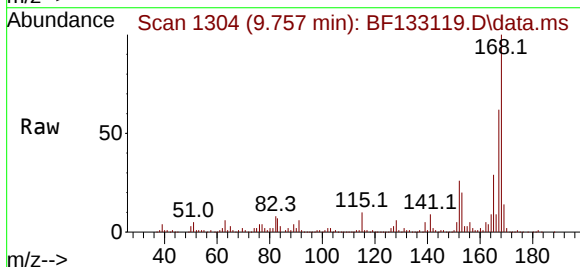
Instrument :
BNA_F
ClientSampleId :
MW-14

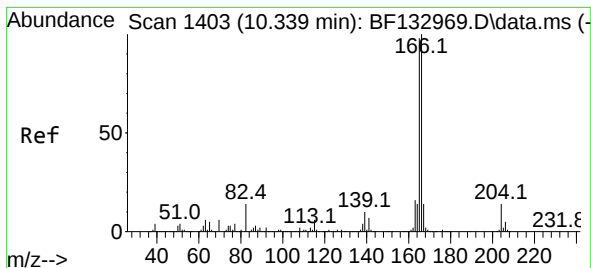
Tgt Ion:139 Resp: 10667
Ion Ratio Lower Upper
139 100
109 8.5 39.4 79.4#
65 25.7 57.5 97.5#



#57
2,4-Dinitrotoluene
Concen: 12.228 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.206 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:165 Resp: 82203
Ion Ratio Lower Upper
165 100
63 20.4 37.7 56.5#
89 13.5 57.0 85.4#
182 1.9 2.1 3.1#





#58

Fluorene

Concen: 33.658 ng

RT: 10.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

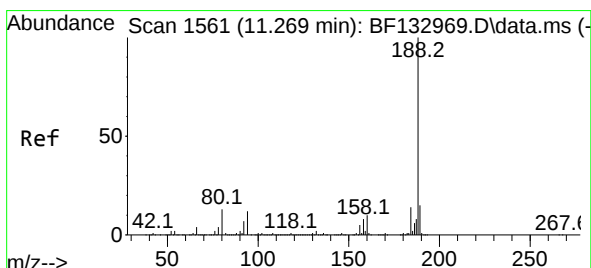
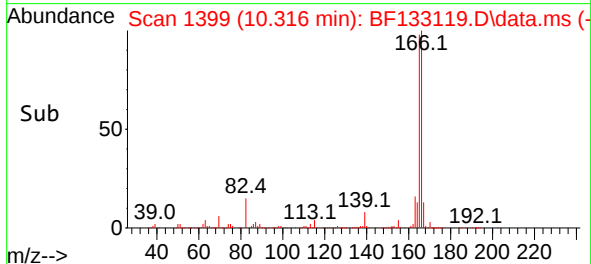
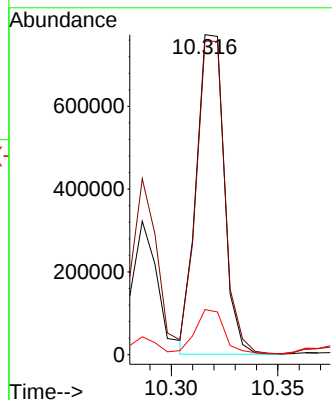
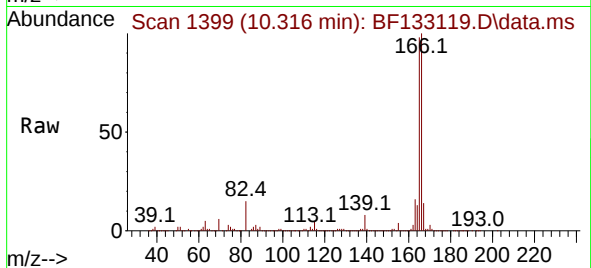
Tgt Ion:166 Resp: 701730

Ion Ratio Lower Upper

166 100

165 98.0 78.6 117.8

167 14.1 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

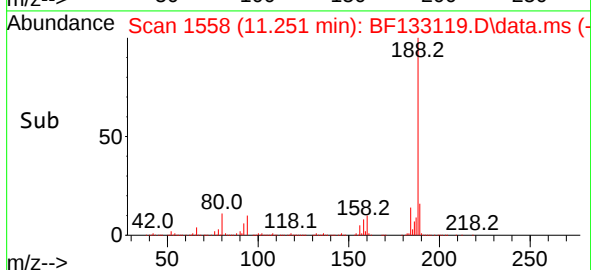
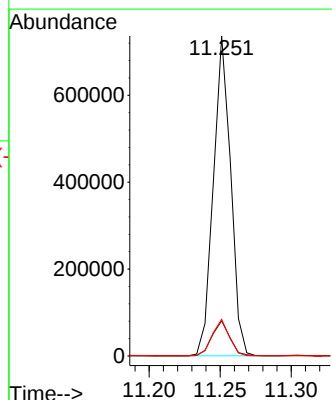
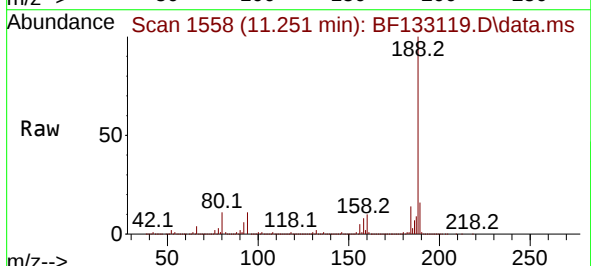
Tgt Ion:188 Resp: 622739

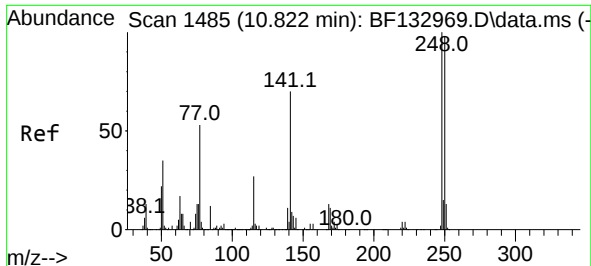
Ion Ratio Lower Upper

188 100

94 11.0 9.7 14.5

80 11.4 10.4 15.6

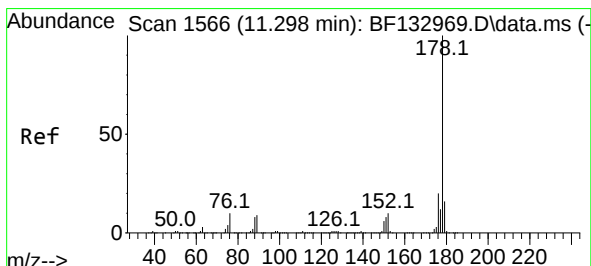
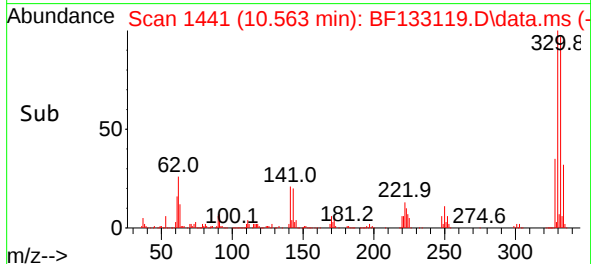
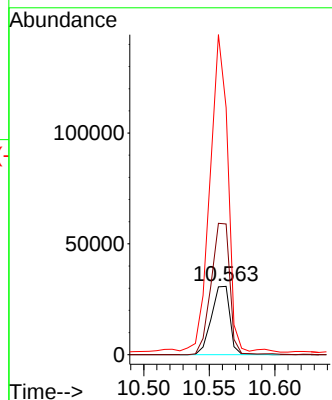
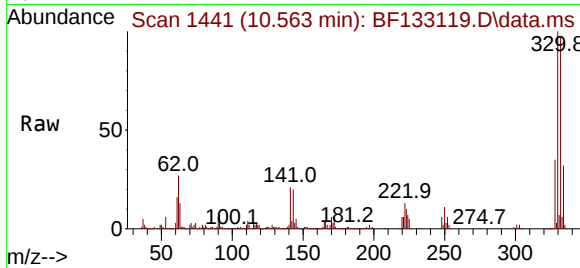




#67
4-Bromophenyl-phenylether
Concen: 4.464 ng
RT: 10.563 min Scan# 1485
Delta R.T. -0.241 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

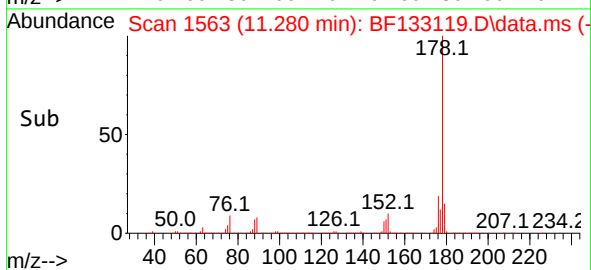
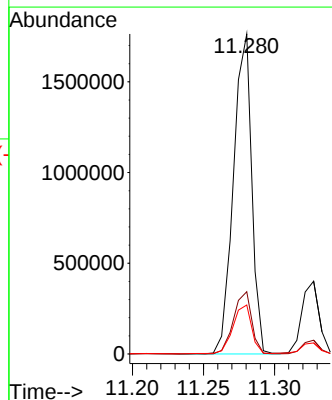
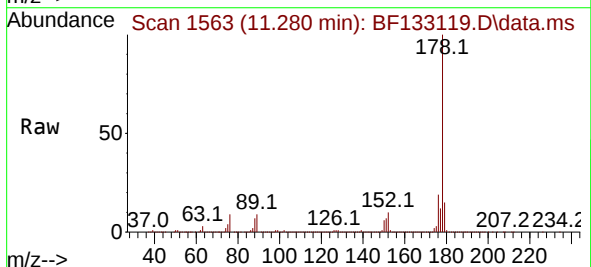
Instrument :
BNA_F
ClientSampleId :
MW-14

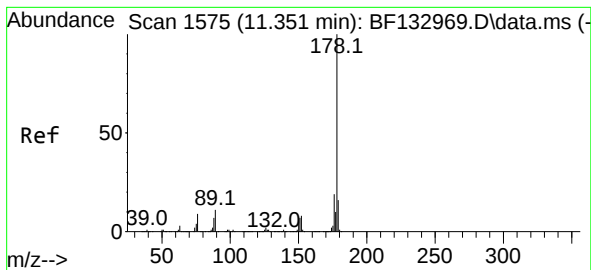
Tgt Ion:248 Resp: 30149
Ion Ratio Lower Upper
248 100
250 191.4 78.7 118.1#
141 361.5 56.3 84.5#



#71
Phenanthrene
Concen: 47.260 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:178 Resp: 1581797
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.3 12.5 18.7





#72

Anthracene

Concen: 9.689 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

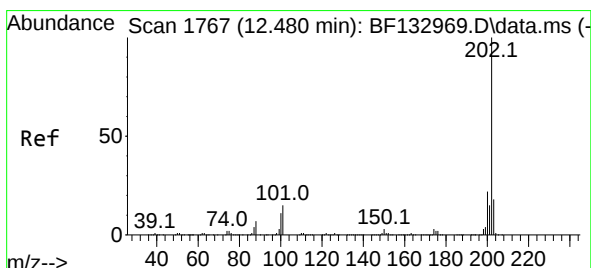
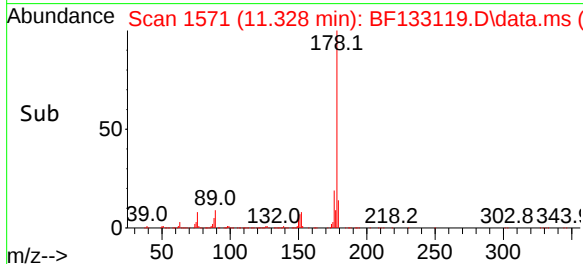
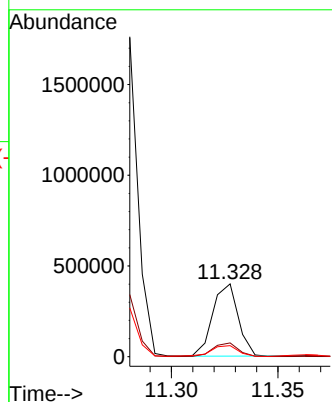
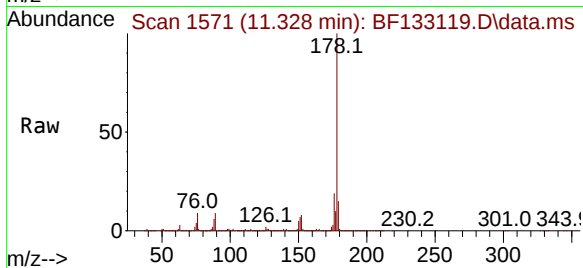
Tgt Ion:178 Resp: 331870

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 2.708 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.012 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

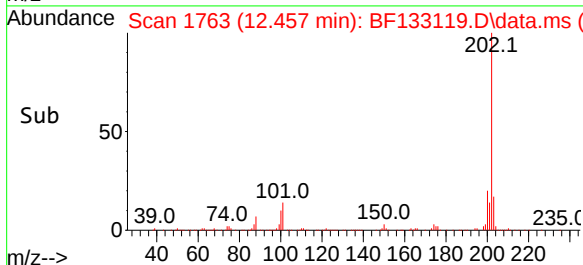
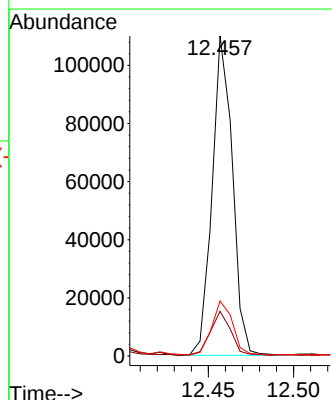
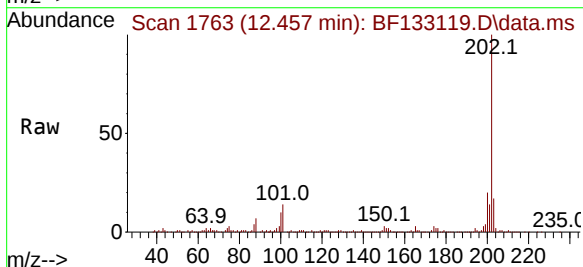
Tgt Ion:202 Resp: 90957

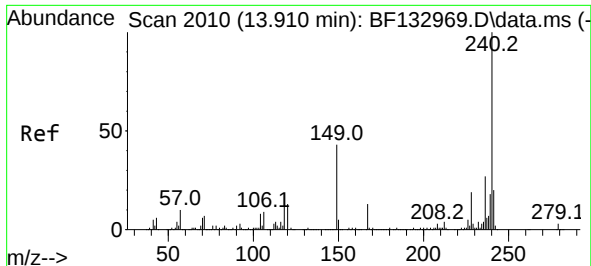
Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.3

203 17.2 0.0 38.1

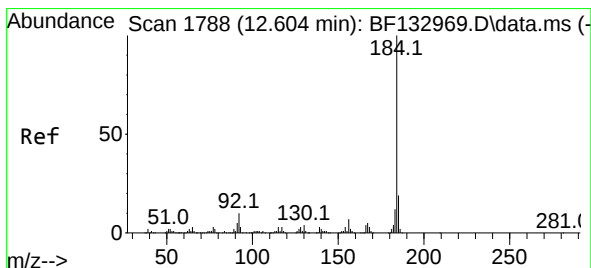
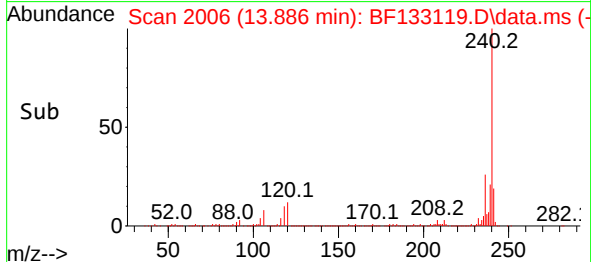
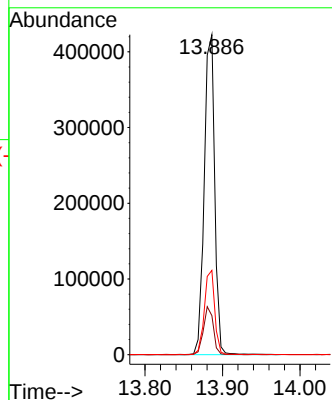
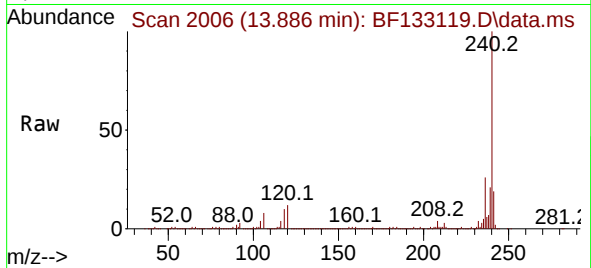




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

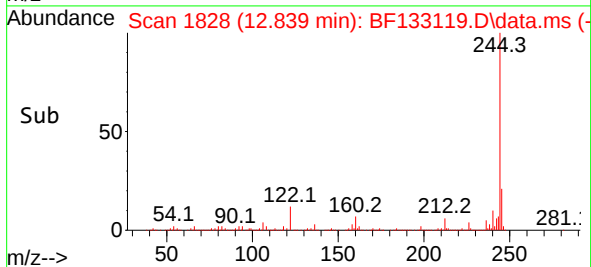
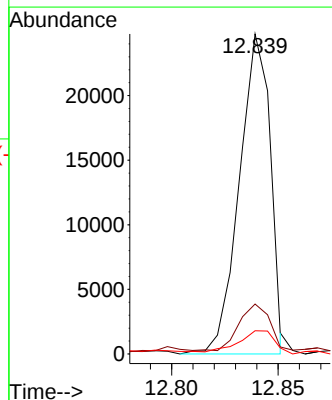
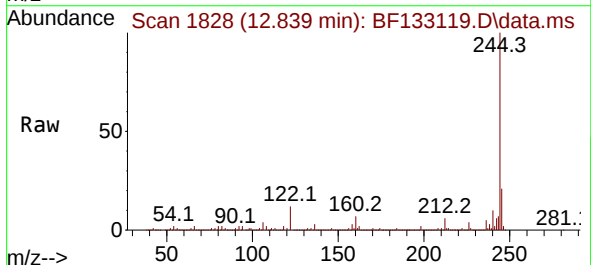
Instrument :
BNA_F
ClientSampleId :
MW-14

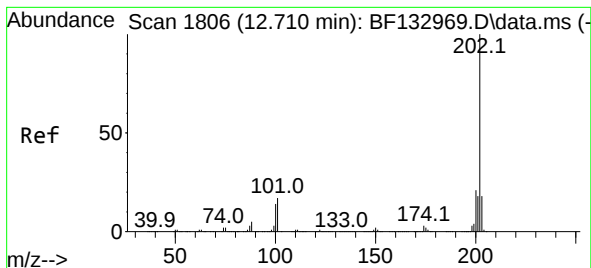
Tgt Ion:240 Resp: 396763
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.4 21.5 32.3



#77
Benzidine
Concen: 3.738 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.253 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Tgt Ion:184 Resp: 25081
Ion Ratio Lower Upper
184 100
185 15.6 15.4 23.2
183 7.2 9.4 14.0#





#78

Pyrene

Concen: 5.026 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.012 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

Instrument :

BNA_F

ClientSampleId :

MW-14

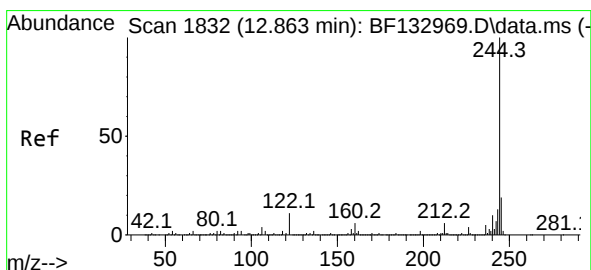
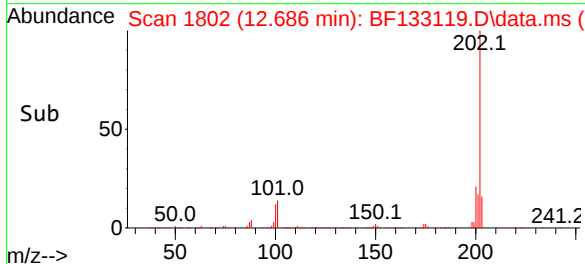
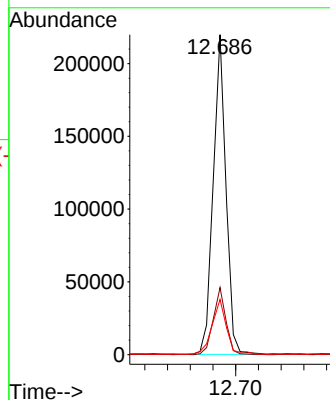
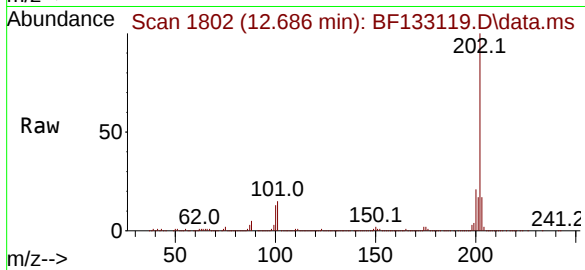
Tgt Ion:202 Resp: 170933

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 94.406 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133119.D

Acq: 28 Apr 2023 12:53

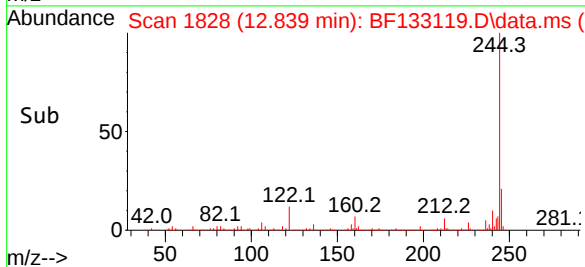
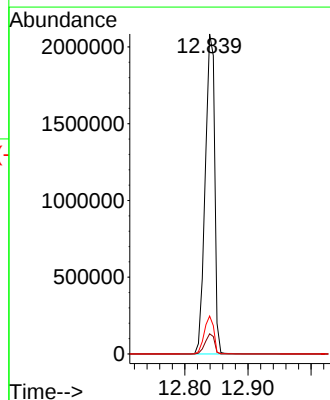
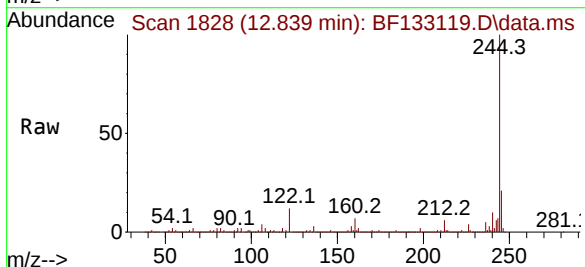
Tgt Ion:244 Resp: 2171839

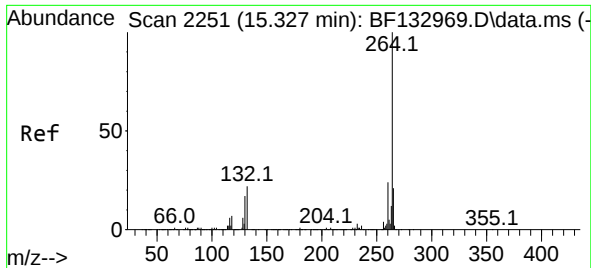
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 11.9 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133119.D
Acq: 28 Apr 2023 12:53

Instrument :
BNA_F
ClientSampleId :
MW-14

Tgt Ion:264 Resp: 341054

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	20.6	17.0	25.4

