

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133117.D
 Acq On : 28 Apr 2023 11:52
 Operator : CG\JU
 Sample : 02522-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12

Quant Time: Apr 28 12:18:36 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)

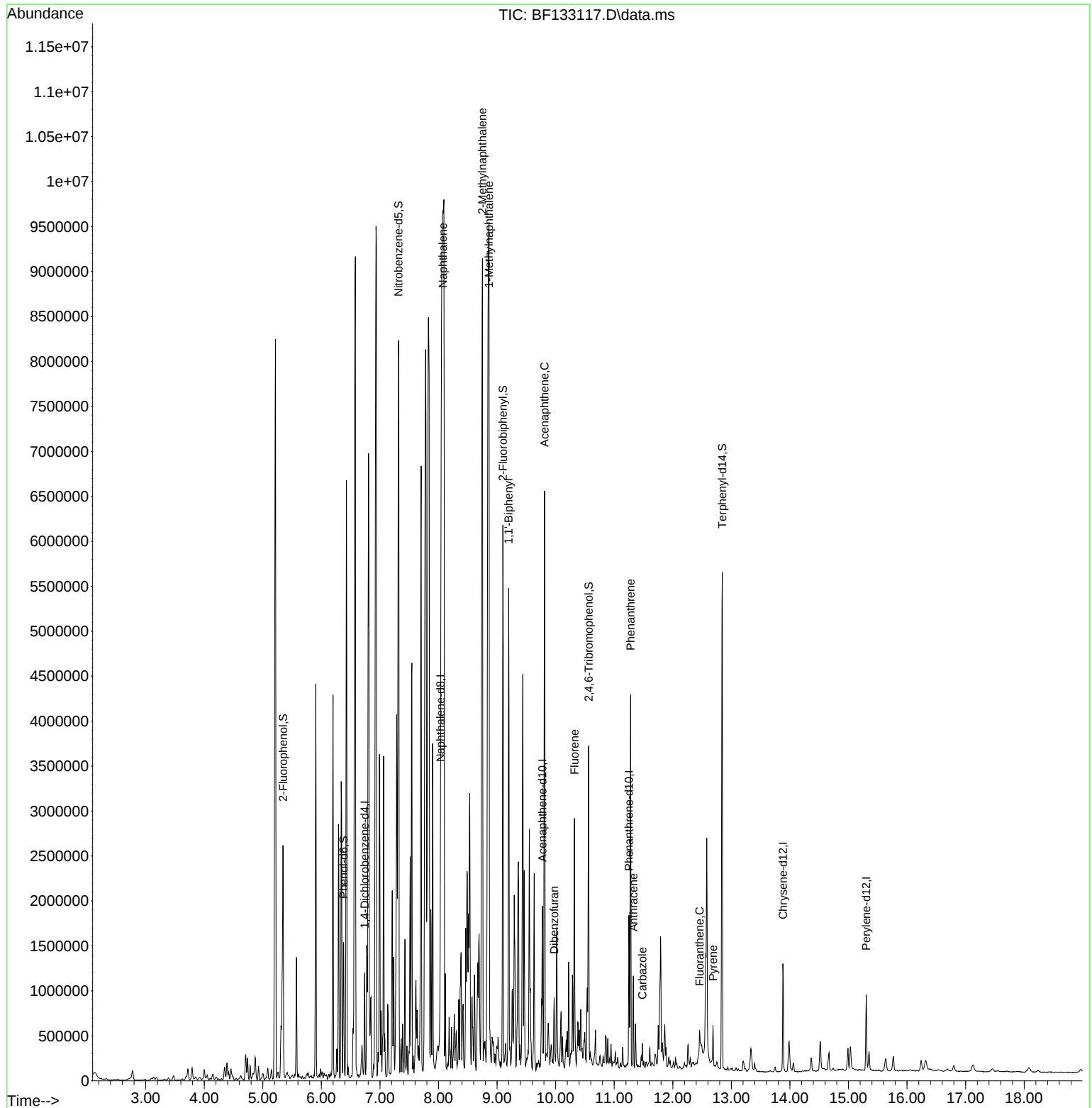
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	169509	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	504330	20.000	ng	0.01
39) Acenaphthene-d10	9.775	164	349627	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	632609	20.000	ng	0.00
76) Chrysene-d12	13.880	240	383580	20.000	ng	-0.01
86) Perylene-d12	15.304	264	347321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	748772	66.728	ng	0.00
7) Phenol-d6	6.381	99	564922	40.560	ng	0.00
23) Nitrobenzene-d5	7.316	82	900350	96.362	ng	0.01
42) 2,4,6-Tribromophenol	10.563	330	493546	140.365	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1910996	91.443	ng	0.00
79) Terphenyl-d14	12.845	244	2204921	99.139	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.075	128	14924079	591.875	ng	95
37) 2-Methylnaphthalene	8.751	142	3586436	208.044	ng	98
38) 1-Methylnaphthalene	8.863	142	5221850	323.803	ng	100
46) 1,1'-Biphenyl	9.198	154	1639460	59.135	ng	100
52) Acenaphthene	9.810	154	1483699	68.324	ng	99
55) Dibenzofuran	9.975	168	117569	3.969	ng	# 93
58) Fluorene	10.322	166	761207	35.075	ng	99
71) Phenanthrene	11.280	178	1474223	43.358	ng	100
72) Anthracene	11.327	178	350476	10.072	ng	98
73) Carbazole	11.480	167	96927	3.128	ng	97
75) Fluoranthene	12.457	202	92102	2.699	ng	98
78) Pyrene	12.686	202	156874	4.771	ng	100

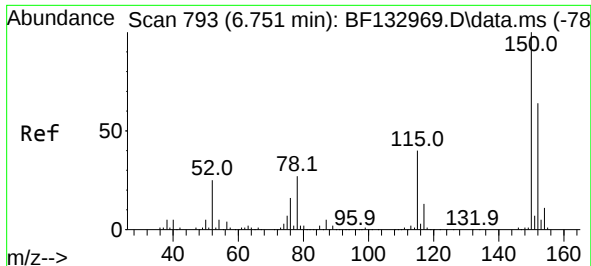
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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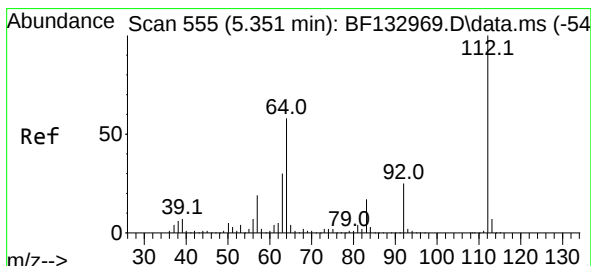
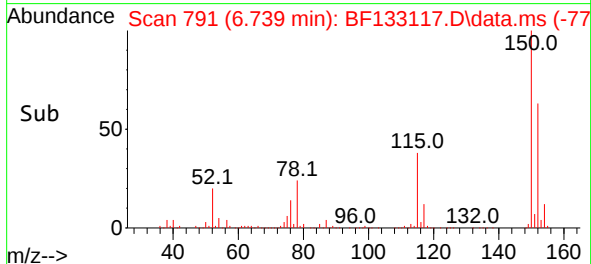
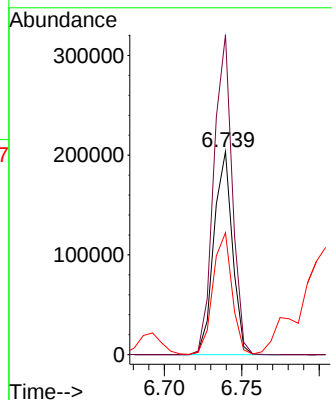
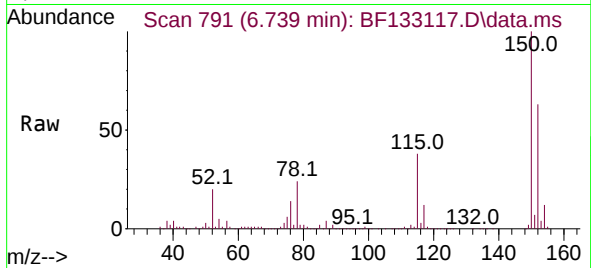




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

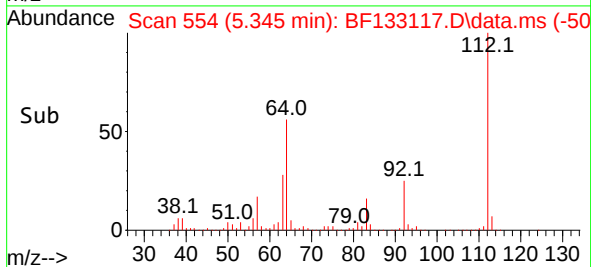
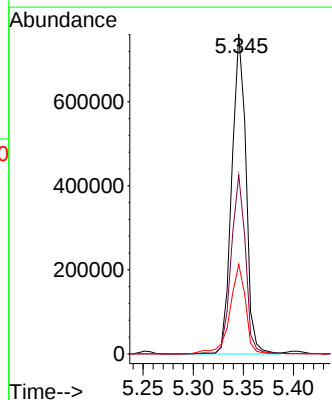
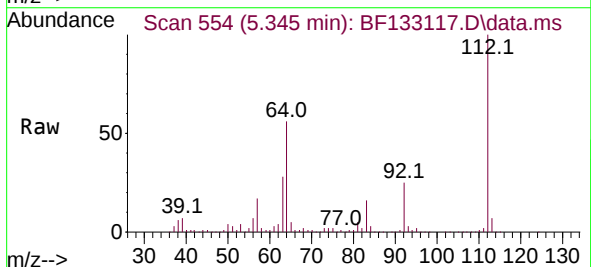
Instrument :
BNA_F
ClientSampleId :
MW-12

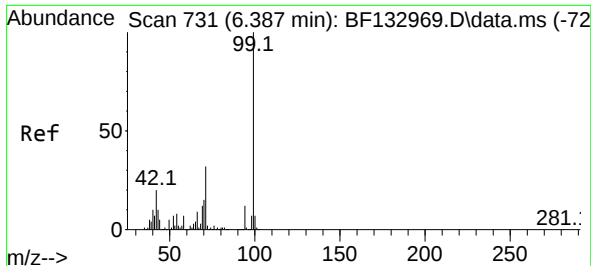
Tgt Ion:152 Resp: 169509
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 60.0 49.9 74.9



#5
2-Fluorophenol
Concen: 66.728 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

Tgt Ion:112 Resp: 748772
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.0 23.8 35.8

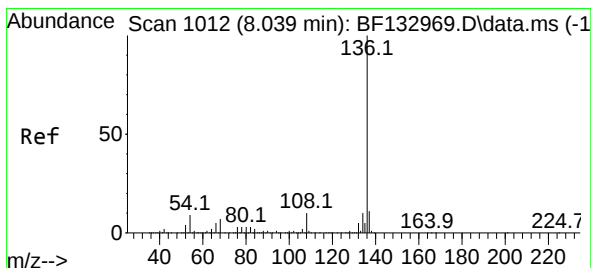
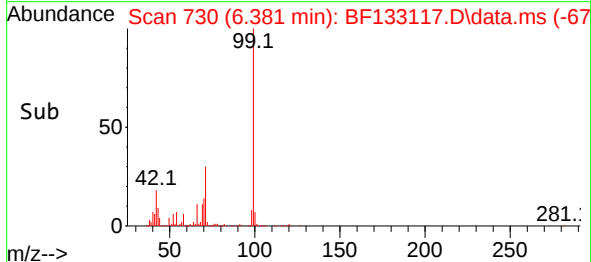
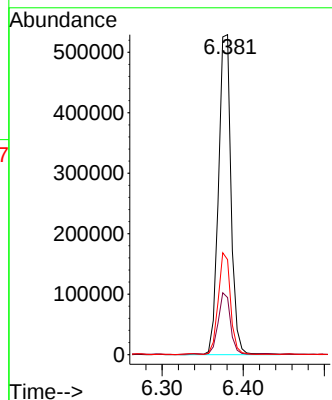
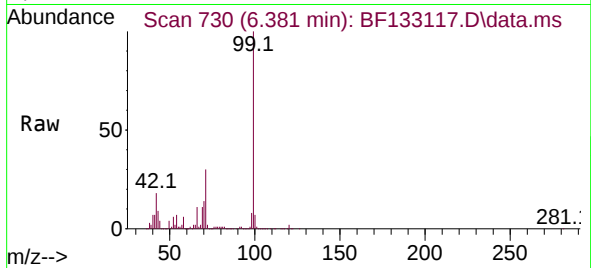




#7
Phenol-d6
Concen: 40.560 ng
RT: 6.381 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

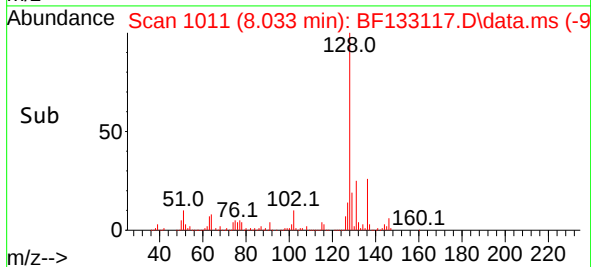
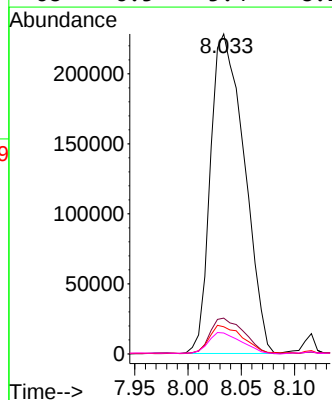
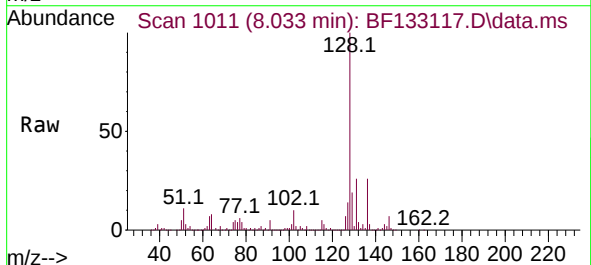
Instrument :
BNA_F
ClientSampleId :
MW-12

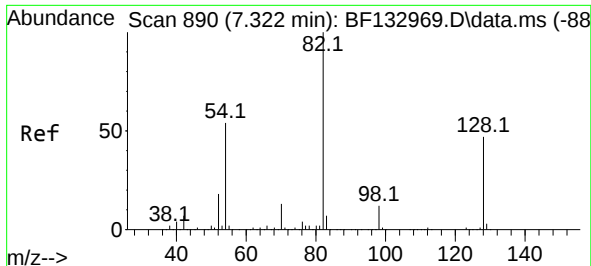
Tgt Ion: 99 Resp: 564922
Ion Ratio Lower Upper
99 100
42 17.8 16.3 24.5
71 29.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. 0.012 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

Tgt Ion: 136 Resp: 504330
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.5 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 96.362 ng

RT: 7.316 min Scan# 889

Delta R.T. 0.012 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

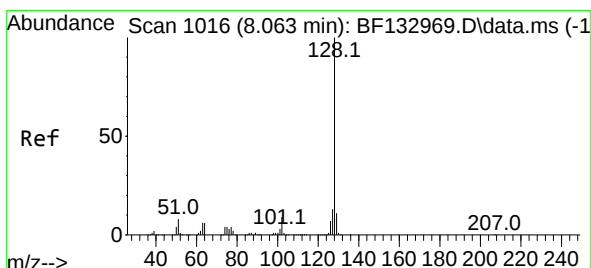
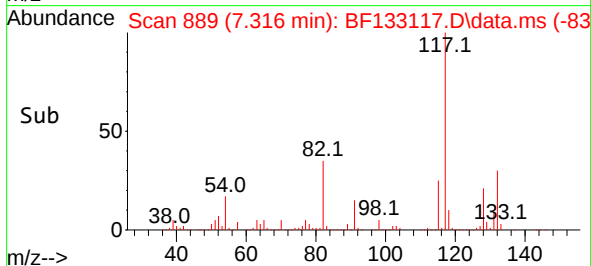
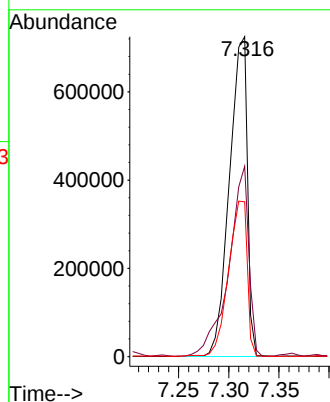
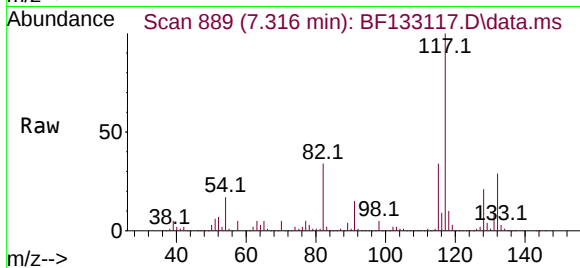
Tgt Ion: 82 Resp: 900350

Ion Ratio Lower Upper

82 100

128 59.5 37.7 56.5#

54 48.4 43.0 64.4



#31

Naphthalene

Concen: 591.875 ng

RT: 8.075 min Scan# 1018

Delta R.T. 0.029 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

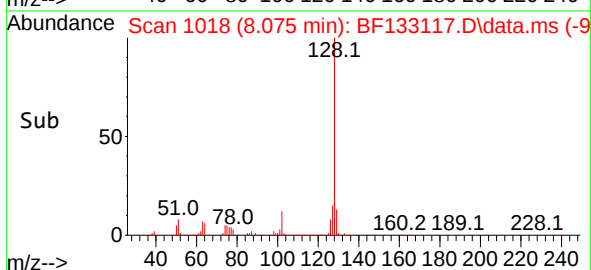
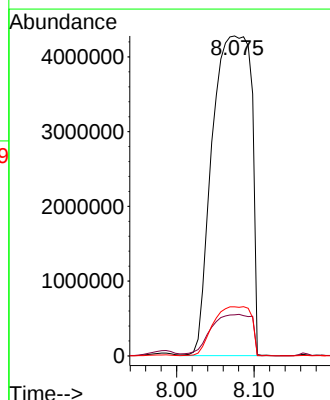
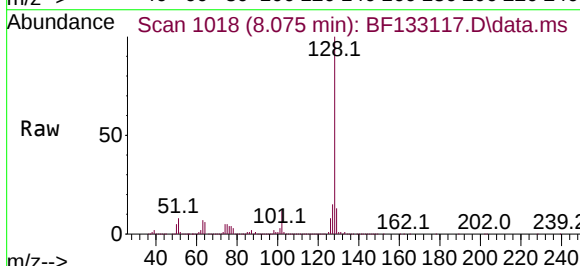
Tgt Ion: 128 Resp: 14924079

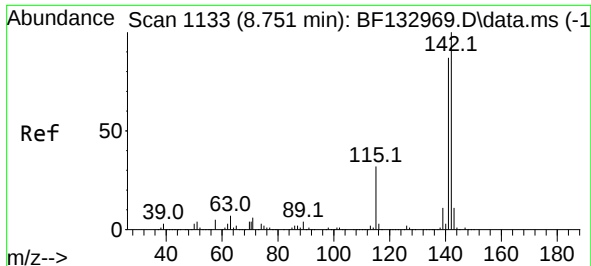
Ion Ratio Lower Upper

128 100

129 12.8 8.8 13.2

127 15.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 208.044 ng

RT: 8.751 min Scan# 1133

Delta R.T. 0.018 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

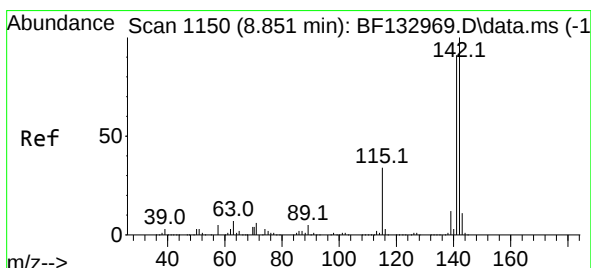
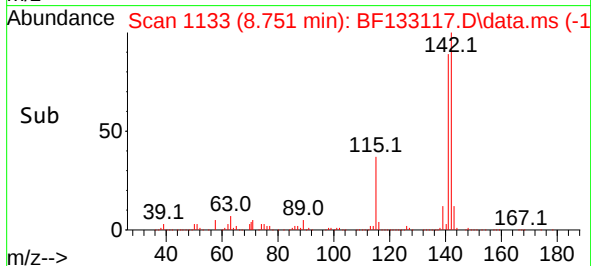
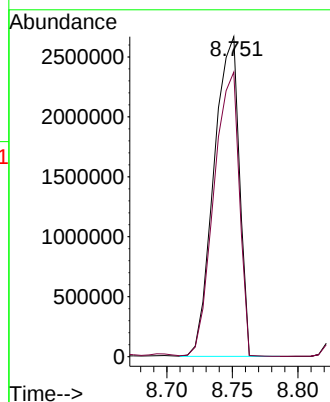
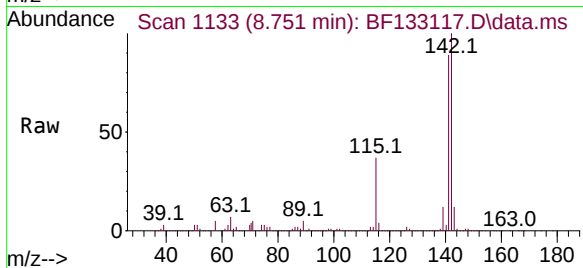
MW-12

Tgt Ion:142 Resp: 3586436

Ion Ratio Lower Upper

142 100

141 88.9 69.4 104.0



#38

1-Methylnaphthalene

Concen: 323.803 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.029 min

Lab File: BF133117.D

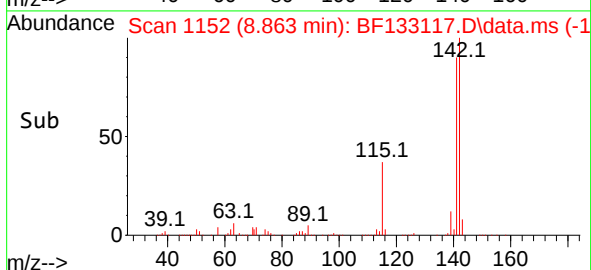
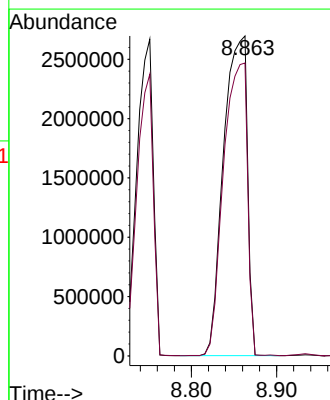
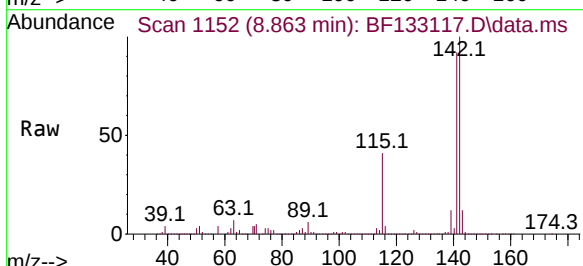
Acq: 28 Apr 2023 11:52

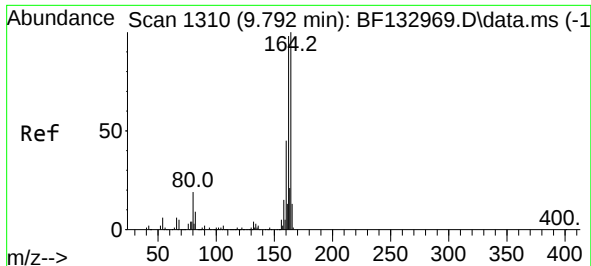
Tgt Ion:142 Resp: 5221850

Ion Ratio Lower Upper

142 100

141 91.5 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: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

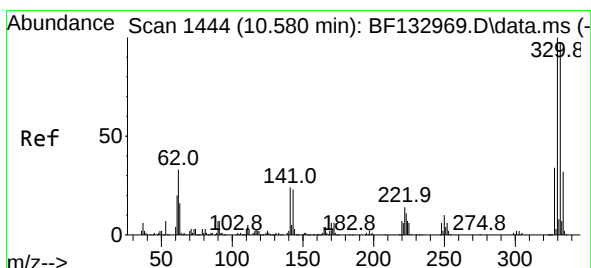
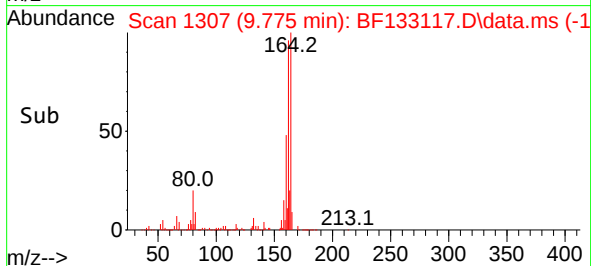
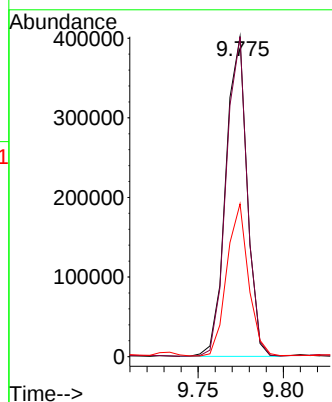
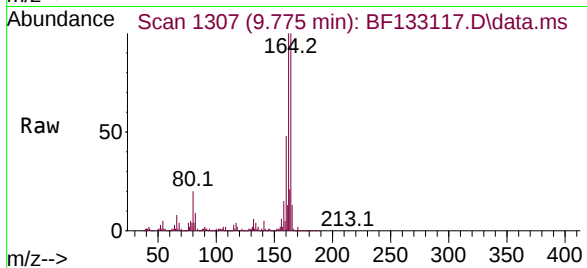
Tgt Ion:164 Resp: 349627

Ion Ratio Lower Upper

164 100

162 99.9 78.7 118.1

160 47.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 140.365 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.000 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

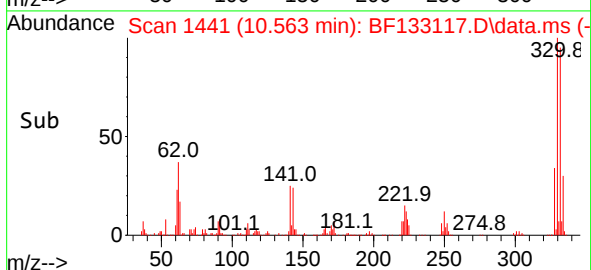
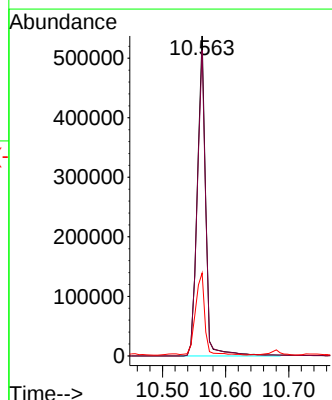
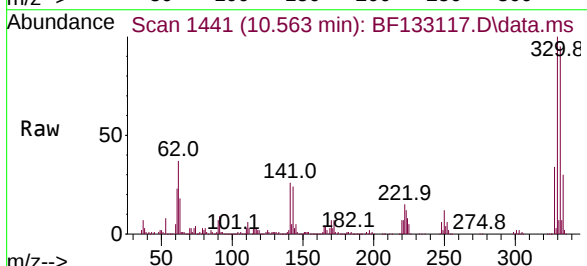
Tgt Ion:330 Resp: 493546

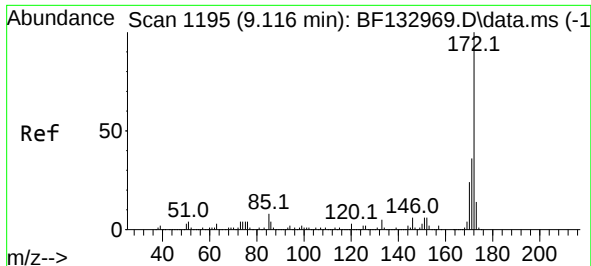
Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 28.6 25.8 38.8

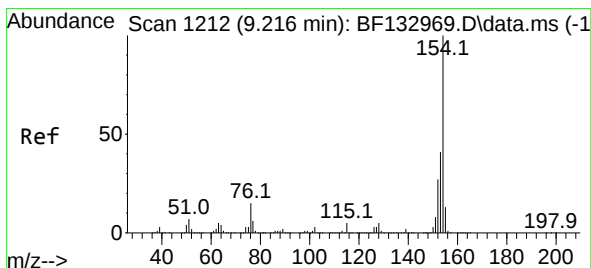
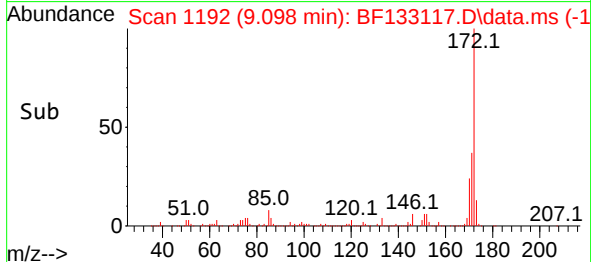
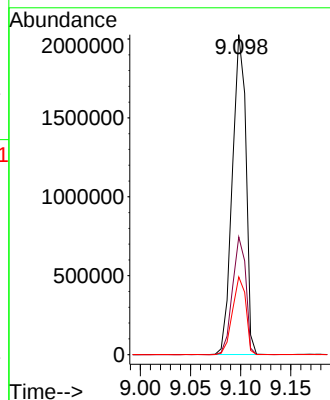
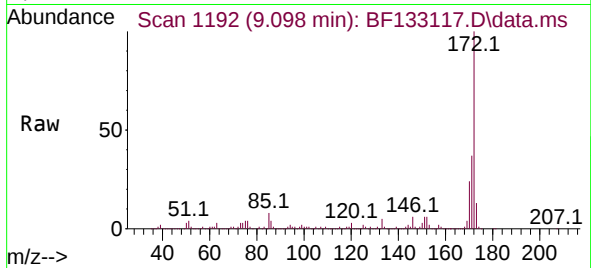




#45
2-Fluorobiphenyl
Concen: 91.443 ng
RT: 9.098 min Scan# 1195
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

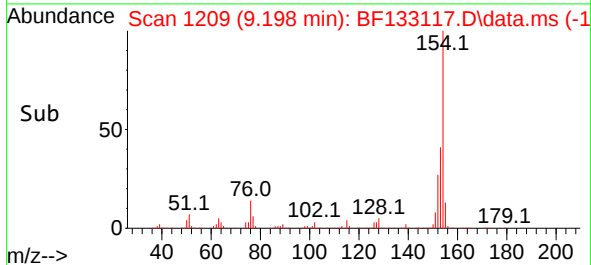
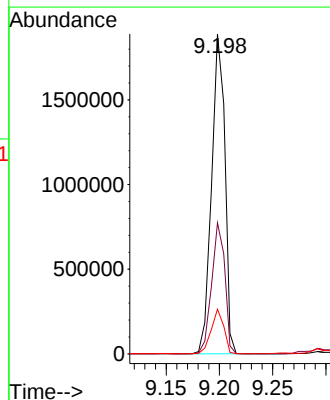
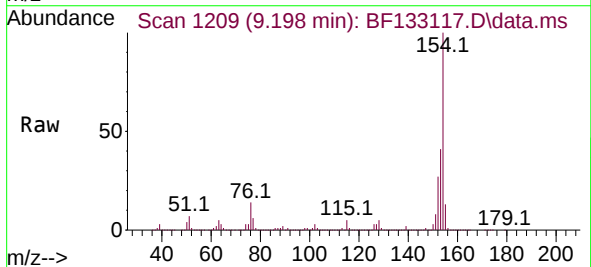
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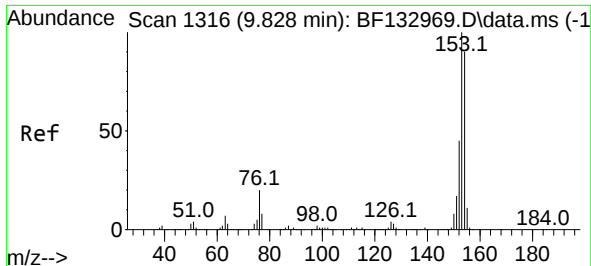
Tgt Ion:172 Resp: 1910996
Ion Ratio Lower Upper
172 100
171 36.8 28.8 43.2
170 24.3 19.4 29.2



#46
1,1'-Biphenyl
Concen: 59.135 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

Tgt Ion:154 Resp: 1639460
Ion Ratio Lower Upper
154 100
153 41.0 21.0 61.0
76 14.0 0.0 34.5

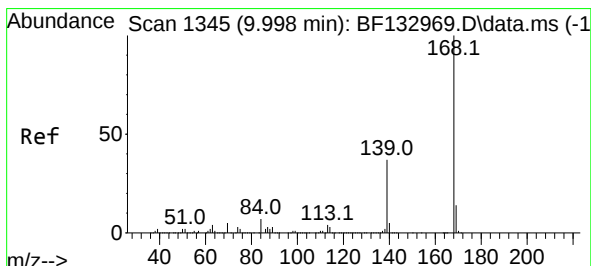
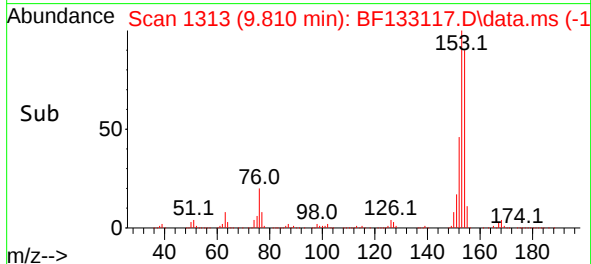
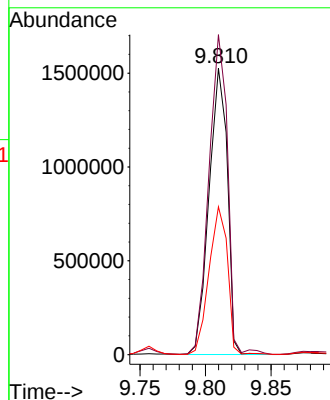
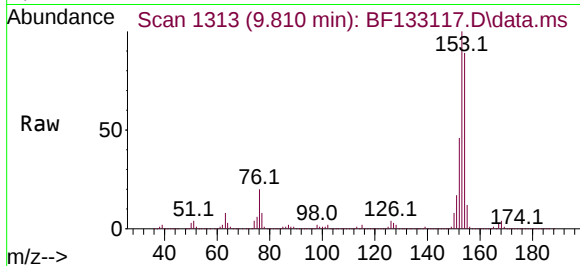




#52
Acenaphthene
Concen: 68.324 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

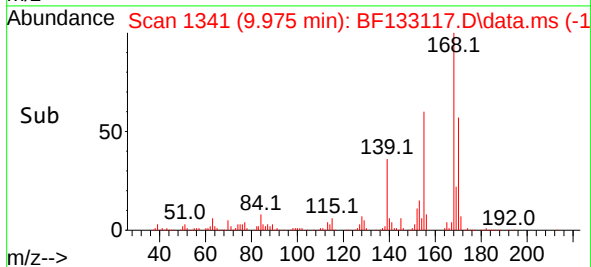
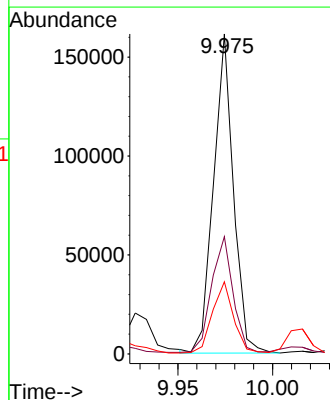
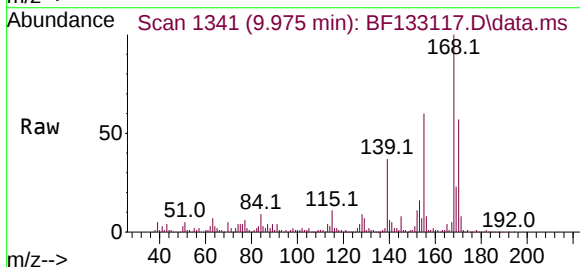
Instrument :
BNA_F
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MW-12

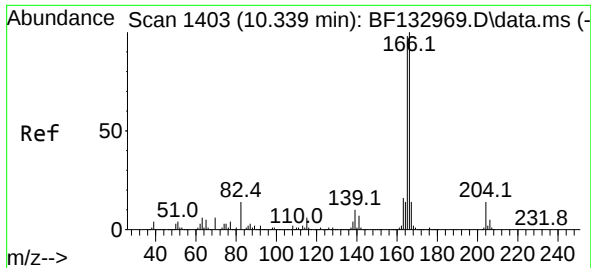
Tgt Ion:154 Resp: 1483699
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.6
152 51.6 40.4 60.6



#55
Dibenzofuran
Concen: 3.969 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

Tgt Ion:168 Resp: 117569
Ion Ratio Lower Upper
168 100
139 36.6 29.8 44.8
169 22.5 10.8 16.2#

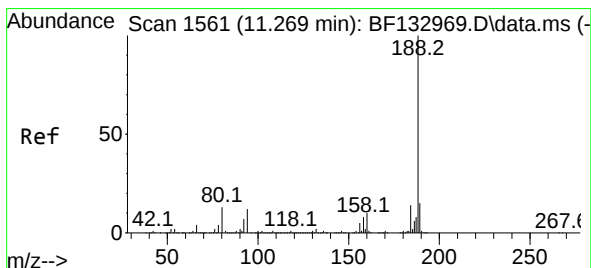
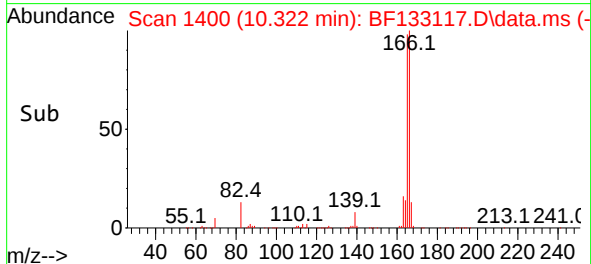
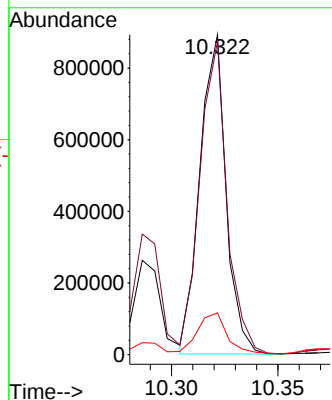
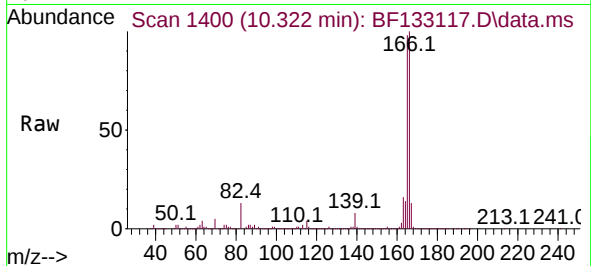




#58
Fluorene
Concen: 35.075 ng
RT: 10.322 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

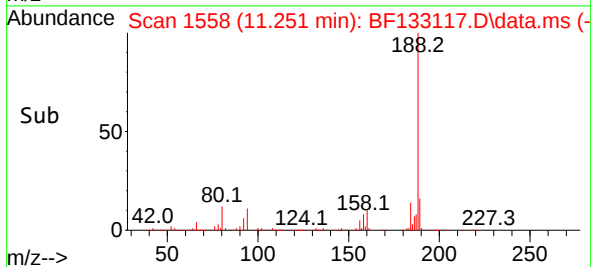
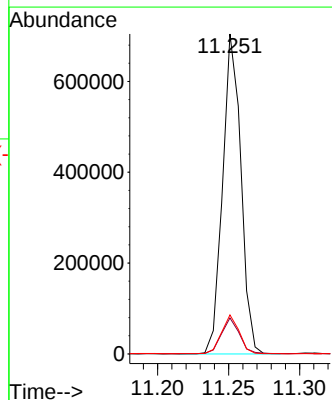
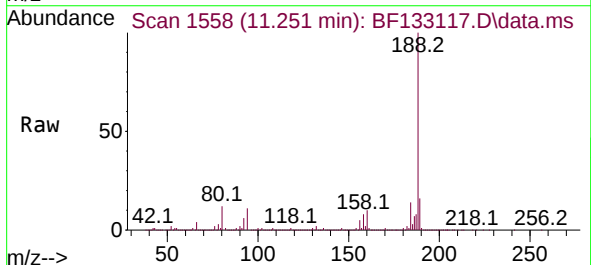
Instrument :
BNA_F
ClientSampleId :
MW-12

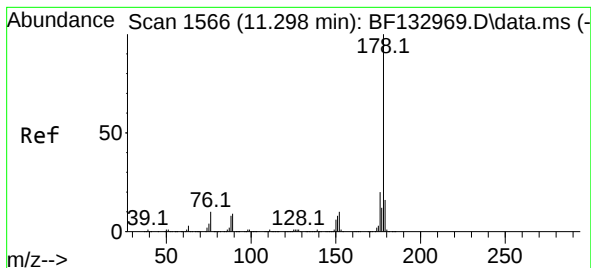
Tgt Ion:166 Resp: 761207
Ion Ratio Lower Upper
166 100
165 97.8 78.6 117.8
167 13.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133117.D
Acq: 28 Apr 2023 11:52

Tgt Ion:188 Resp: 632609
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 12.2 10.4 15.6





#71

Phenanthrene

Concen: 43.358 ng

RT: 11.280 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

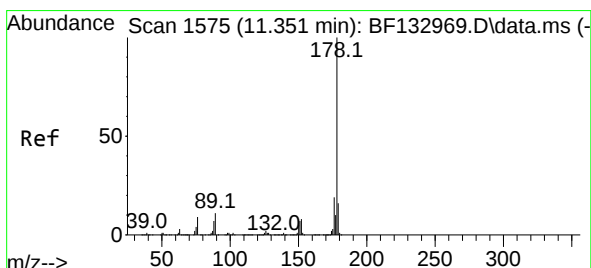
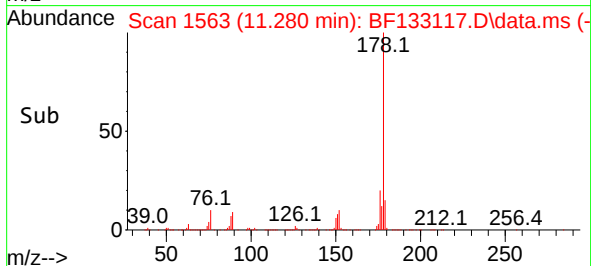
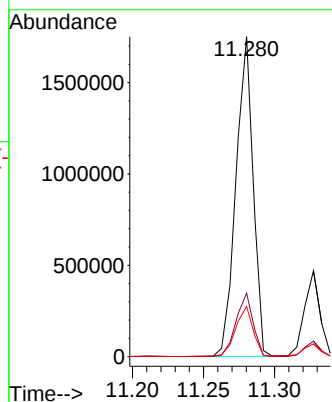
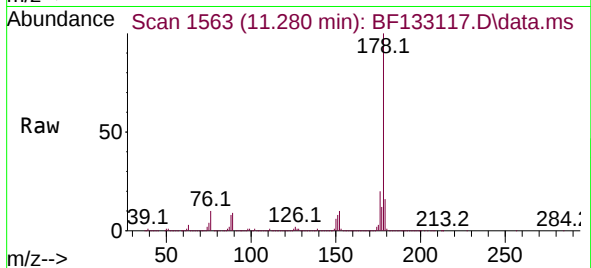
Tgt Ion:178 Resp: 1474223

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 10.072 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

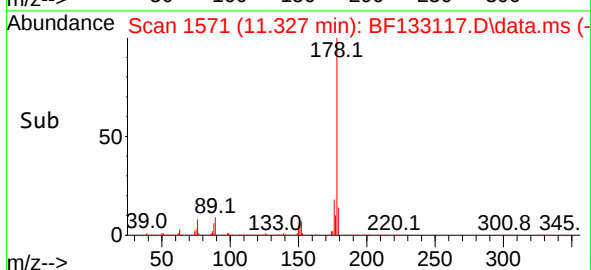
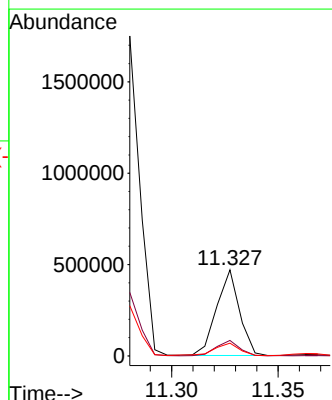
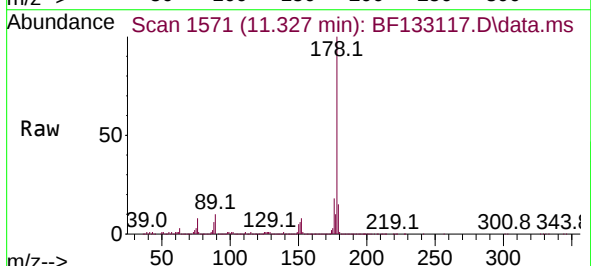
Tgt Ion:178 Resp: 350476

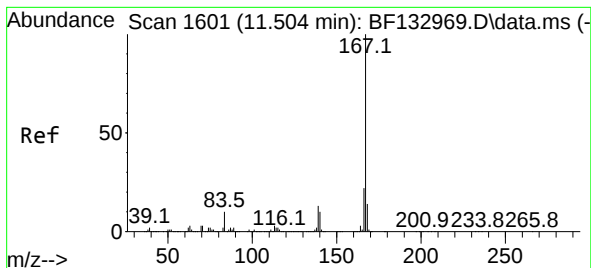
Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

179 14.9 12.4 18.6





#73

Carbazole

Concen: 3.128 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

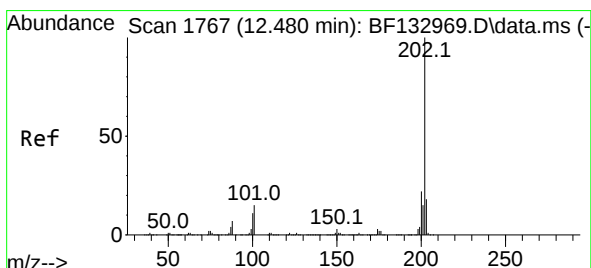
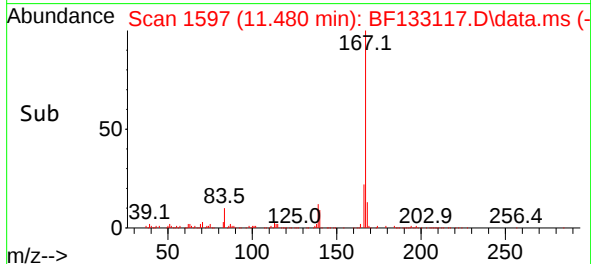
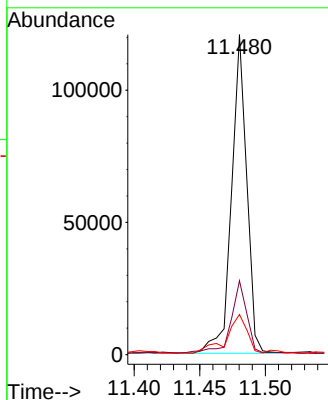
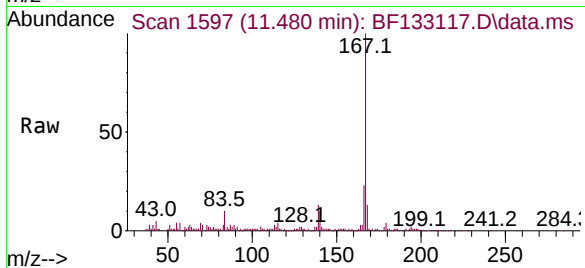
Tgt Ion:167 Resp: 96927

Ion Ratio Lower Upper

167 100

166 23.1 17.4 26.0

139 12.5 10.6 16.0



#75

Fluoranthene

Concen: 2.699 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.012 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

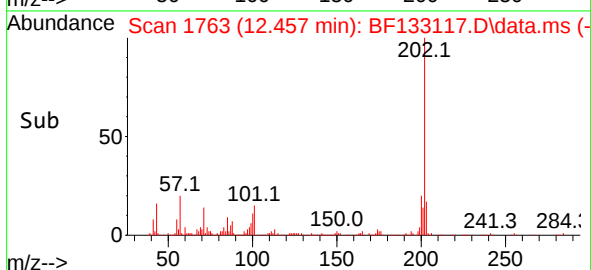
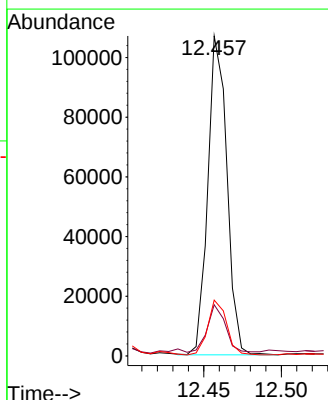
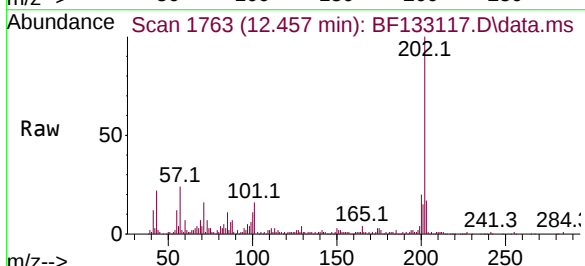
Tgt Ion:202 Resp: 92102

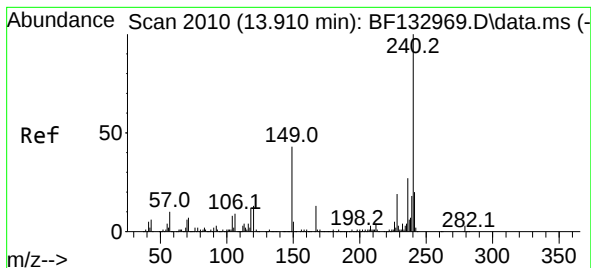
Ion Ratio Lower Upper

202 100

101 16.0 0.0 35.3

203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

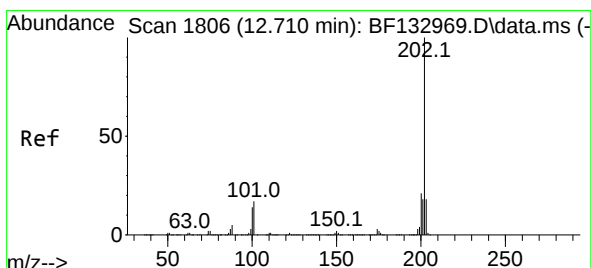
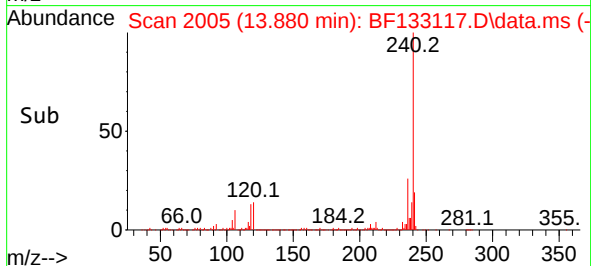
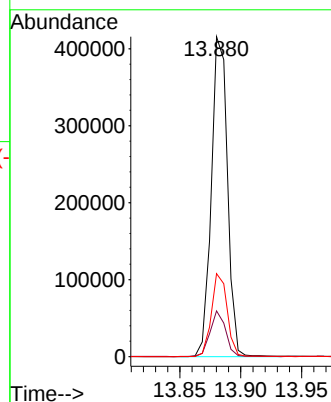
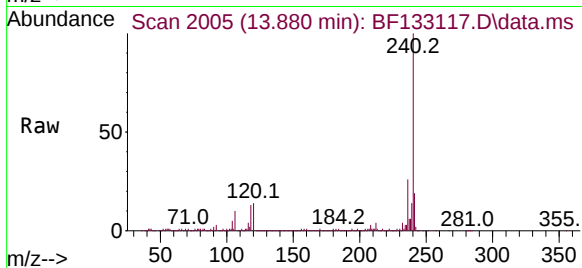
Tgt Ion:240 Resp: 383580

Ion Ratio Lower Upper

240 100

120 14.3 10.5 15.7

236 25.9 21.5 32.3



#78

Pyrene

Concen: 4.771 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

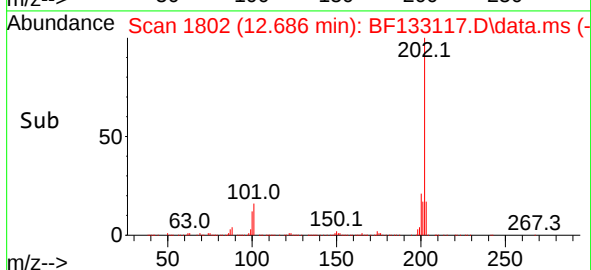
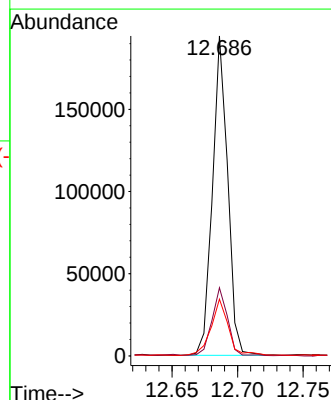
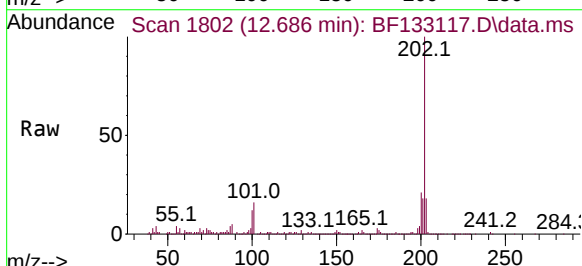
Tgt Ion:202 Resp: 156874

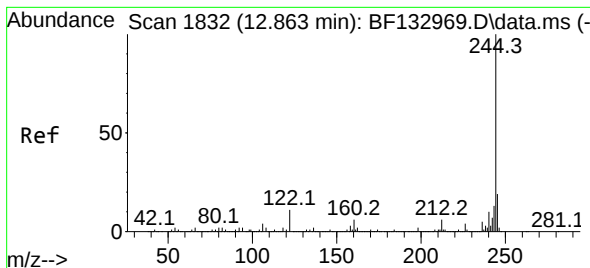
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 99.139 ng

RT: 12.845 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Instrument :

BNA_F

ClientSampleId :

MW-12

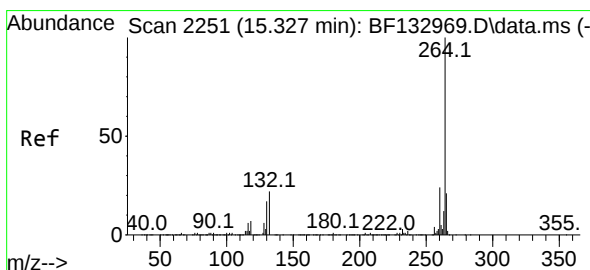
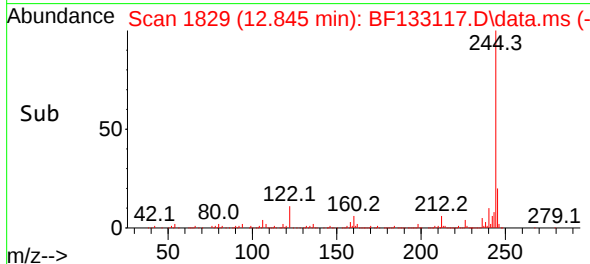
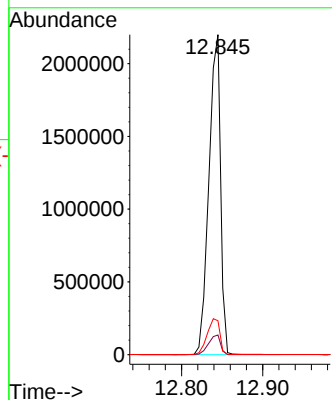
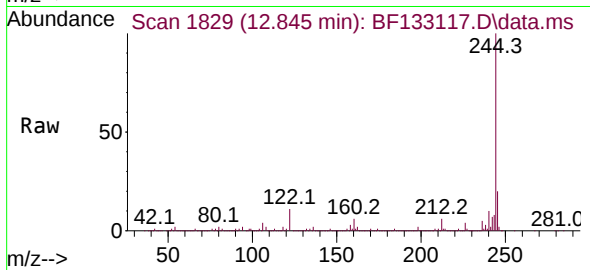
Tgt Ion:244 Resp: 2204921

Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 10.6 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.006 min

Lab File: BF133117.D

Acq: 28 Apr 2023 11:52

Tgt Ion:264 Resp: 347321

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.6 17.0 25.4

