

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

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

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

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

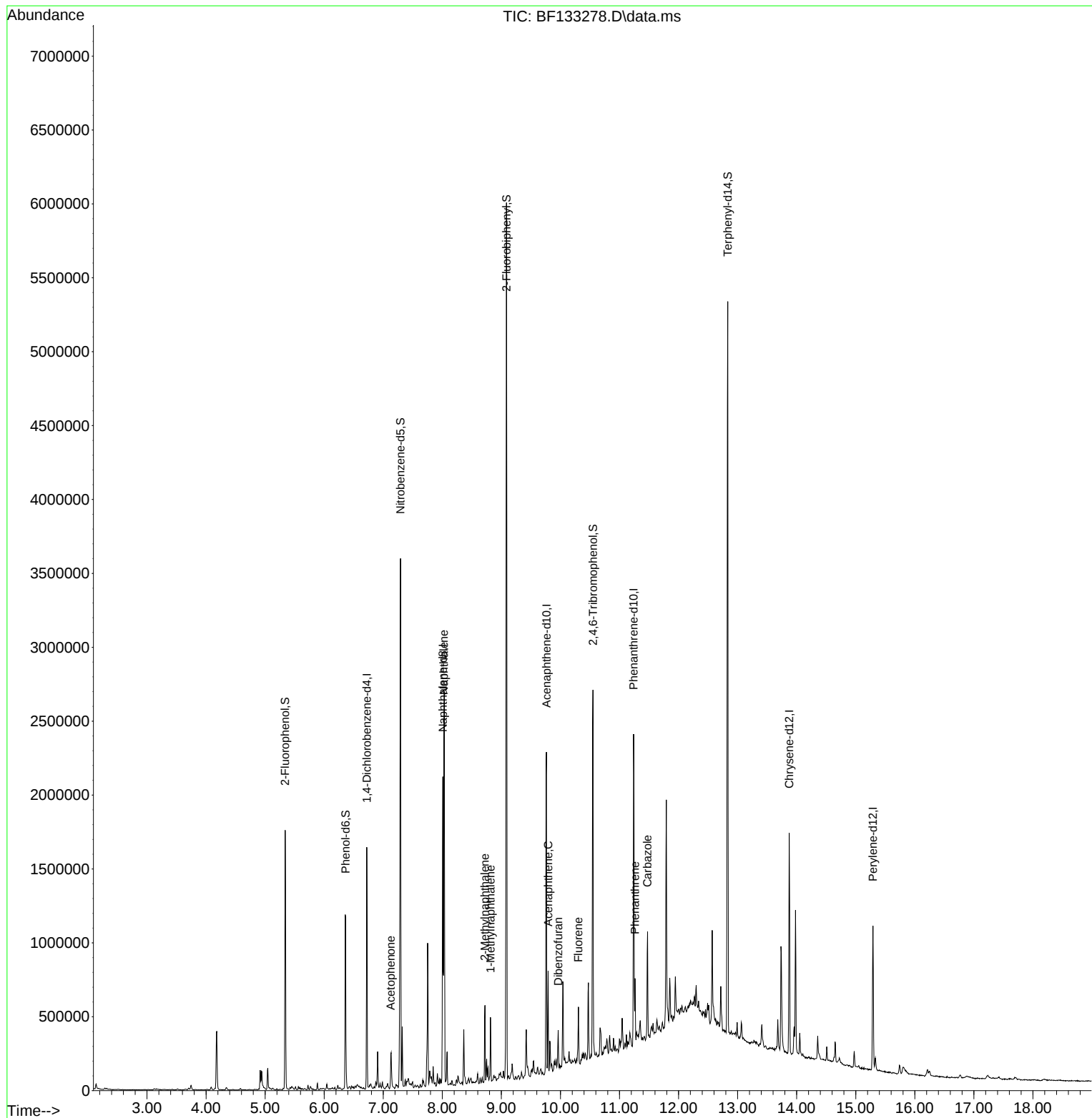
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	209717	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	850513	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	448026	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	773497	20.000	ng	0.00
76) Chrysene-d12	13.874	240	456488	20.000	ng	0.00
86) Perylene-d12	15.292	264	403620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	469939	33.850	ng	0.00
7) Phenol-d6	6.363	99	379705	22.035	ng	0.00
23) Nitrobenzene-d5	7.292	82	1108163	70.328	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	307381	68.220	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1846519	68.952	ng	0.00
79) Terphenyl-d14	12.833	244	1902557	71.881	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.128	105	55746	2.829	ng	# 95
31) Naphthalene	8.028	128	884672	20.805	ng	99
37) 2-Methylnaphthalene	8.722	142	127843	4.397	ng	100
38) 1-Methylnaphthalene	8.816	142	98902	3.637	ng	97
52) Acenaphthene	9.792	154	130872	4.703	ng	98
55) Dibenzofuran	9.963	168	87285	2.299	ng	98
58) Fluorene	10.304	166	81359	2.925	ng	100
71) Phenanthrene	11.263	178	144353	3.472	ng	98
73) Carbazole	11.474	167	265195	7.000	ng	100

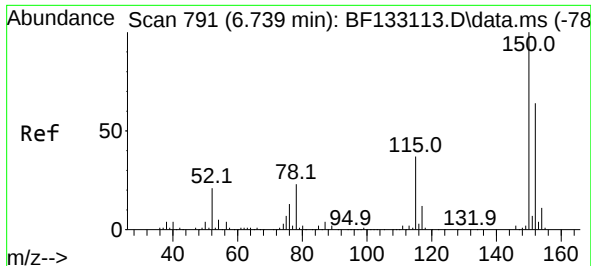
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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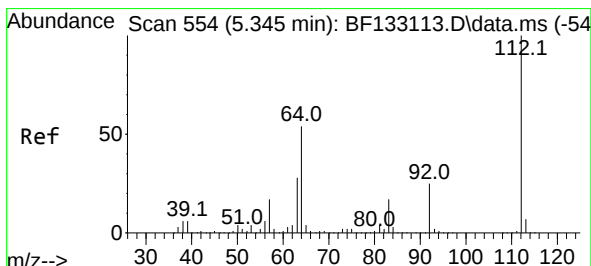
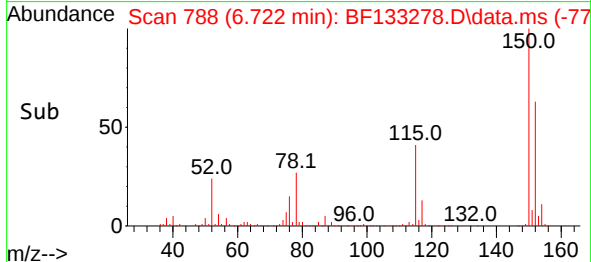
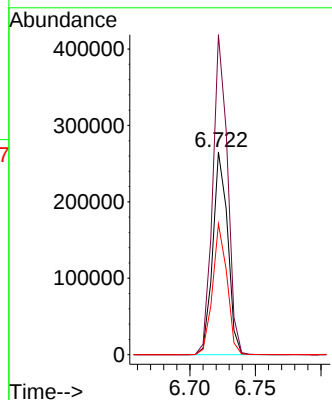
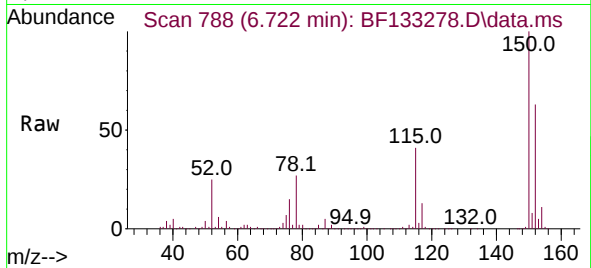




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

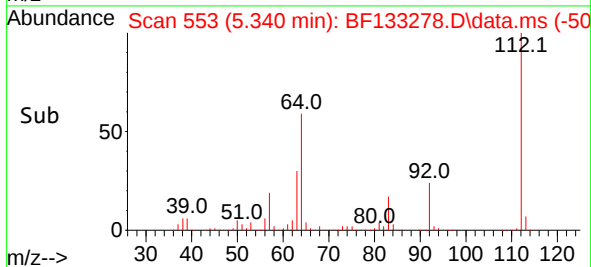
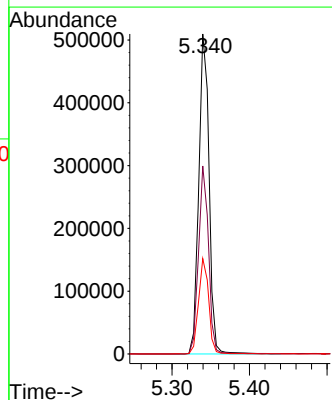
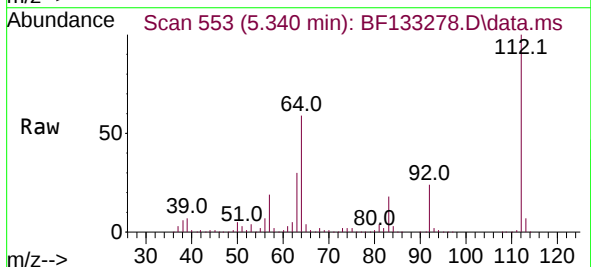
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

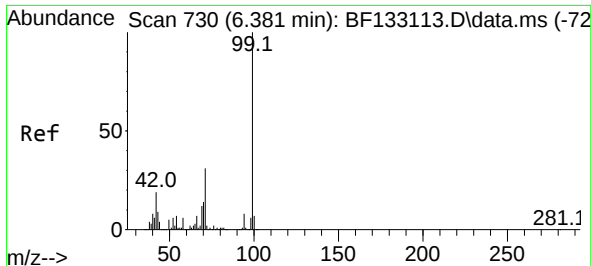
Tgt Ion:152 Resp: 209717
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 64.6 49.9 74.9



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

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





#7

Phenol-d6

Concen: 22.035 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

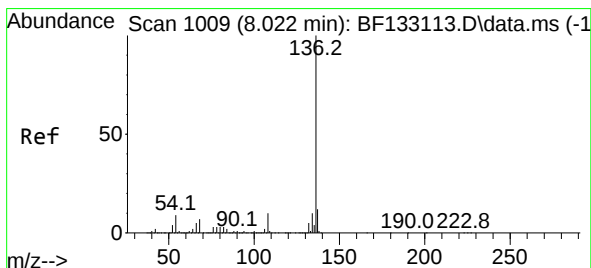
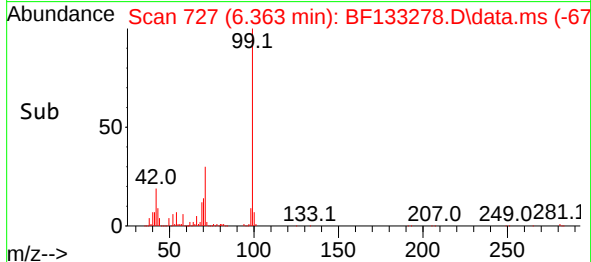
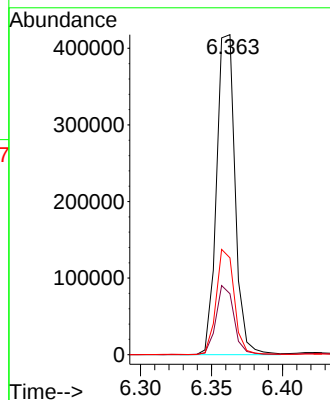
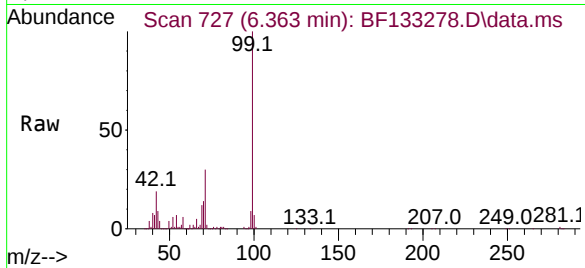
Tgt Ion: 99 Resp: 379705

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

71 30.3 25.6 38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Tgt Ion: 136 Resp: 850513

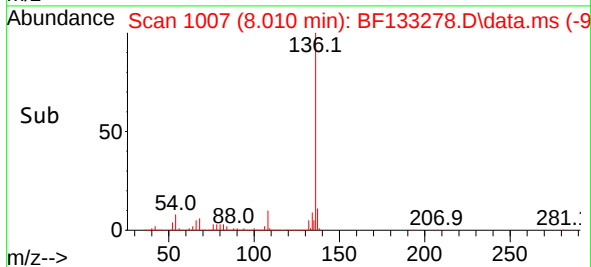
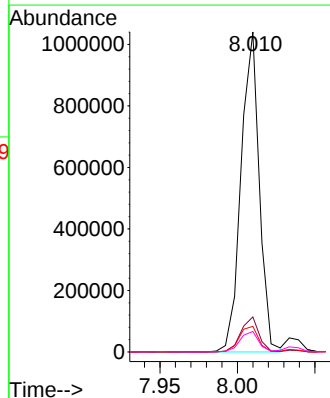
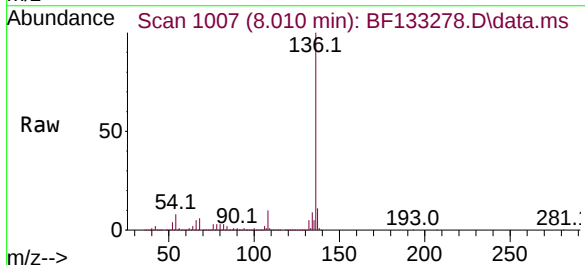
Ion Ratio Lower Upper

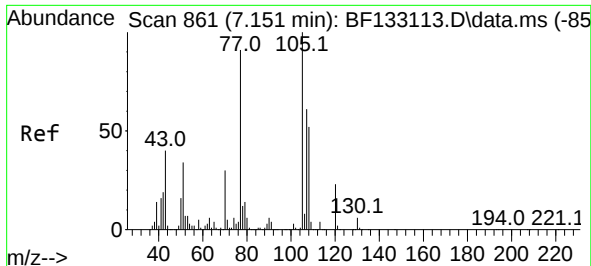
136 100

137 10.9 8.6 13.0

54 8.0 7.0 10.4

68 6.4 5.4 8.2

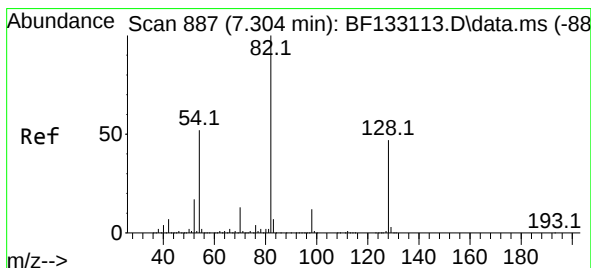
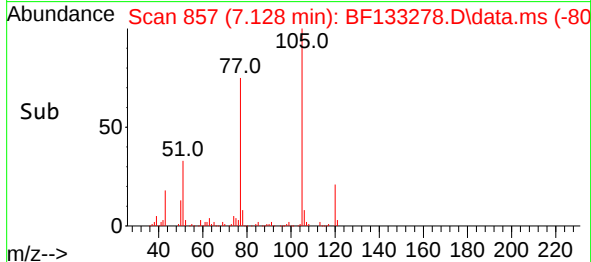
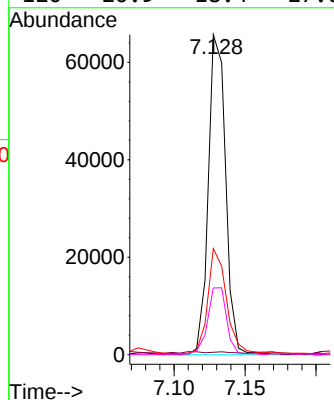
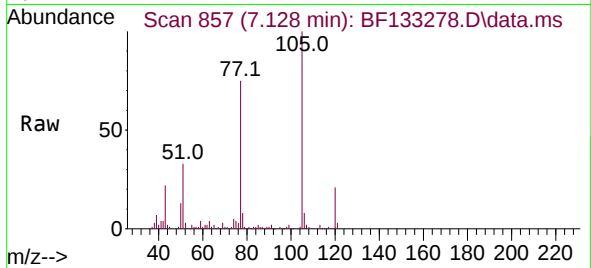




#22
Acetophenone
Concen: 2.829 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.018 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

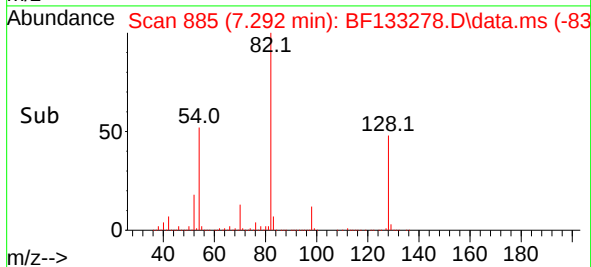
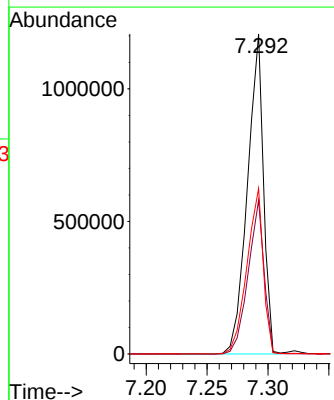
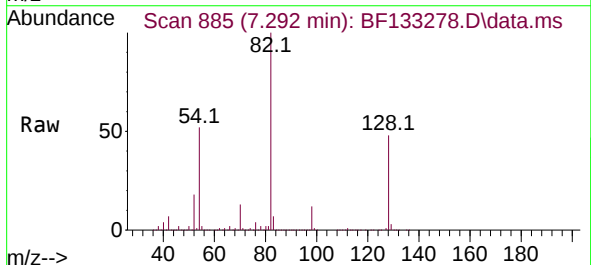
Instrument :
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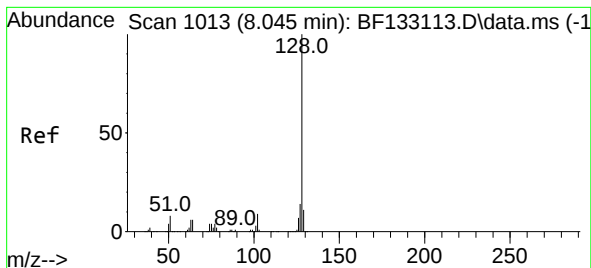
Tgt Ion:105 Resp: 55746
Ion Ratio Lower Upper
105 100
71 0.8 4.6 7.0#
51 33.1 28.2 42.2
120 20.9 18.4 27.6



#23
Nitrobenzene-d5
Concen: 70.328 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

Tgt Ion: 82 Resp: 1108163
Ion Ratio Lower Upper
82 100
128 48.1 37.7 56.5
54 51.7 43.0 64.4





#31

Naphthalene

Concen: 20.805 ng

RT: 8.028 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

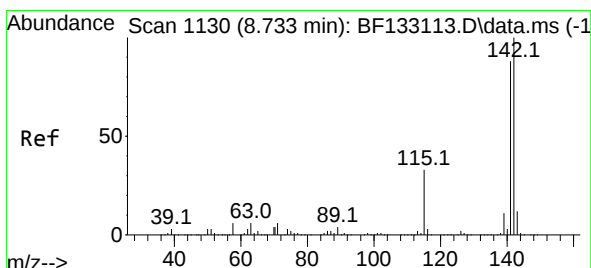
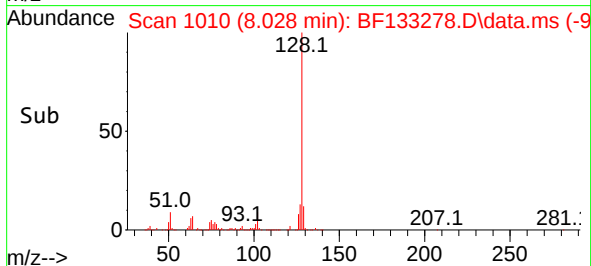
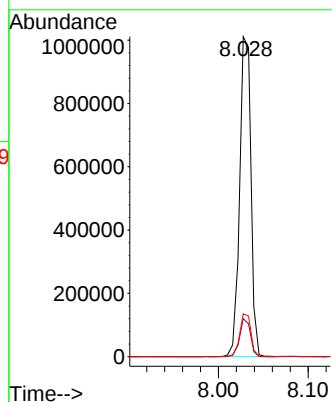
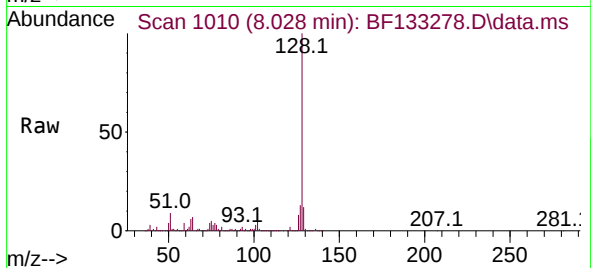
Tgt Ion:128 Resp: 884672

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

127 13.4 10.7 16.1



#37

2-Methylnaphthalene

Concen: 4.397 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133278.D

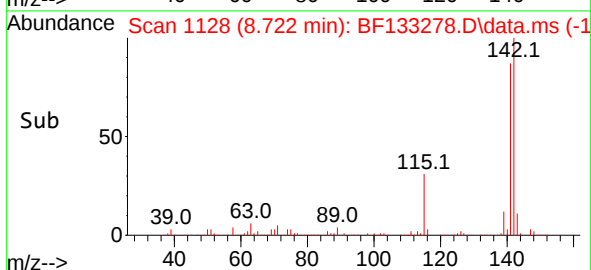
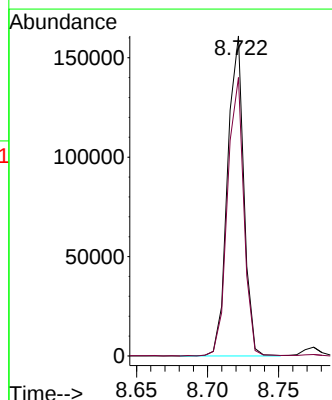
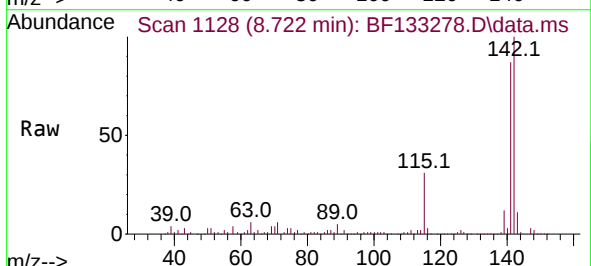
Acq: 05 May 2023 22:54

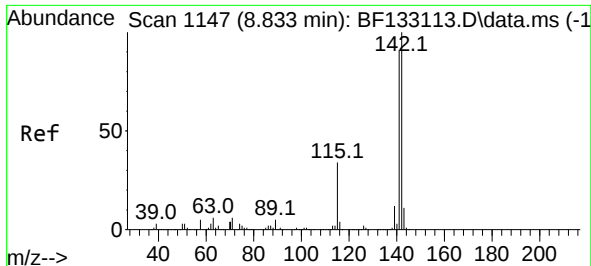
Tgt Ion:142 Resp: 127843

Ion Ratio Lower Upper

142 100

141 87.0 69.4 104.0





#38

1-Methylnaphthalene

Concen: 3.637 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

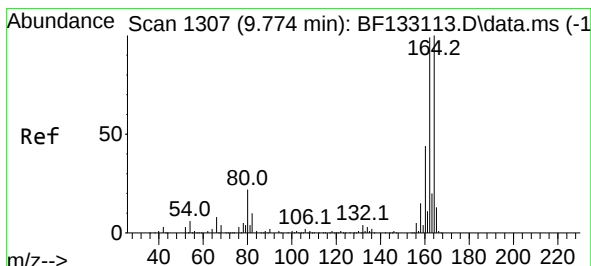
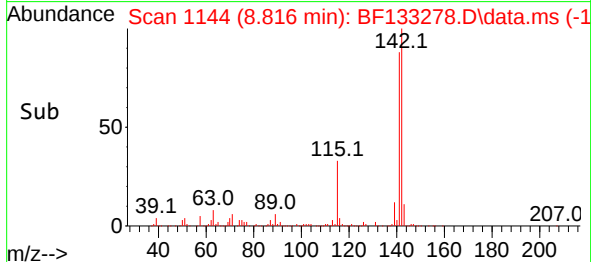
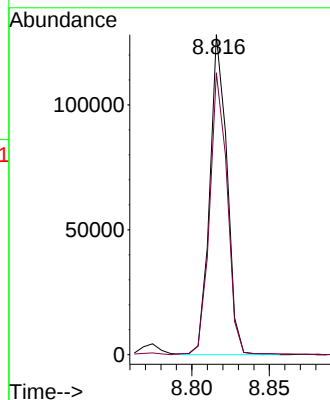
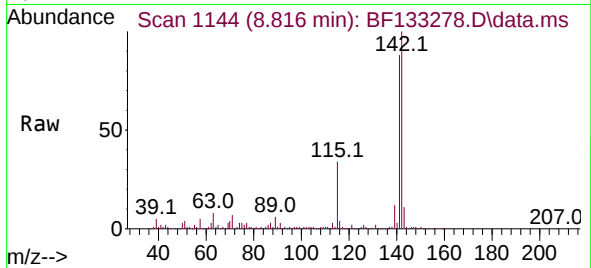
MW-1-20230503-A

Tgt Ion:142 Resp: 98902

Ion Ratio Lower Upper

142 100

141 88.1 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.000 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

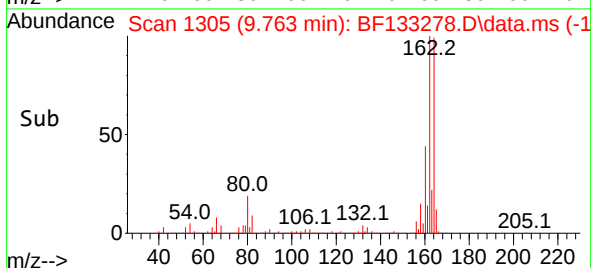
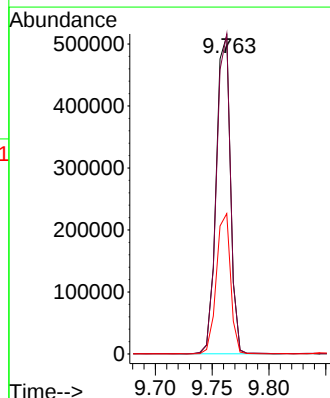
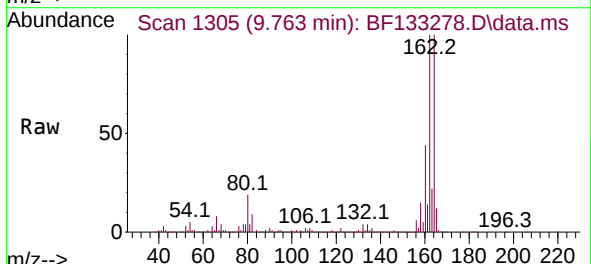
Tgt Ion:164 Resp: 448026

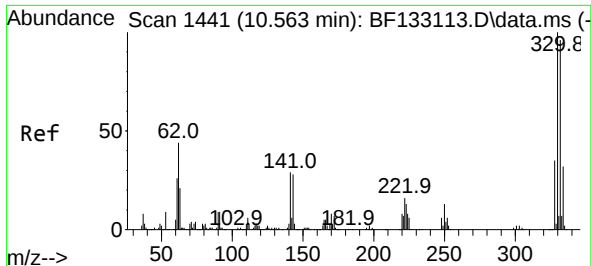
Ion Ratio Lower Upper

164 100

162 100.5 78.7 118.1

160 44.1 35.8 53.6

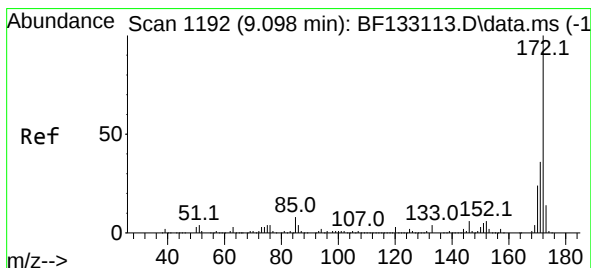
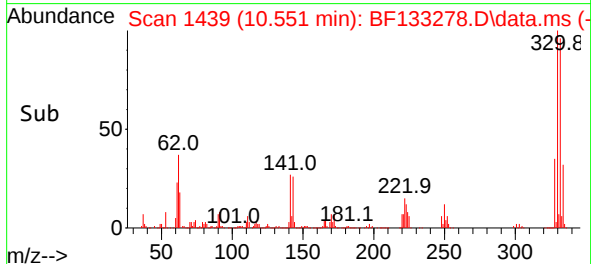
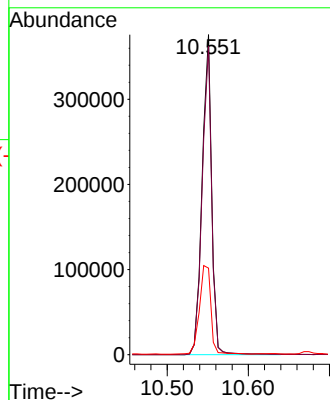
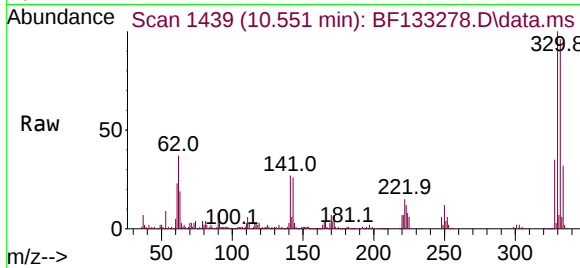




#42
2,4,6-Tribromophenol
Concen: 68.220 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

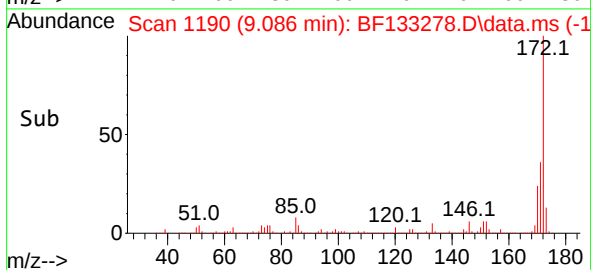
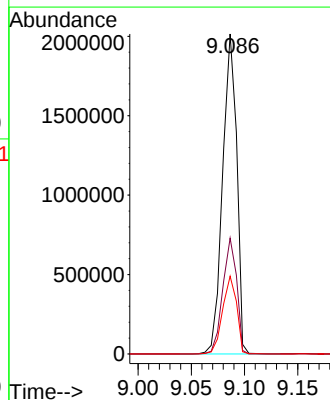
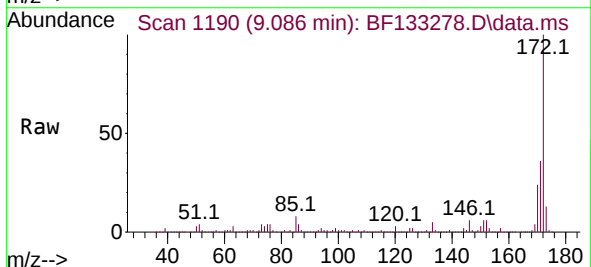
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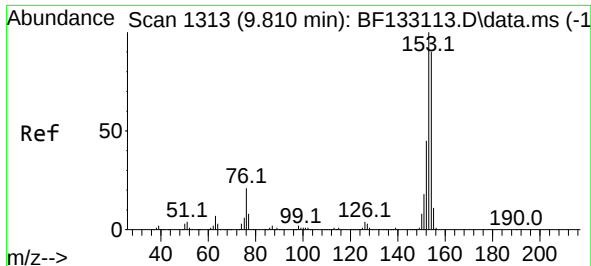
Tgt Ion:330 Resp: 307381
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 33.1 25.8 38.8



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

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

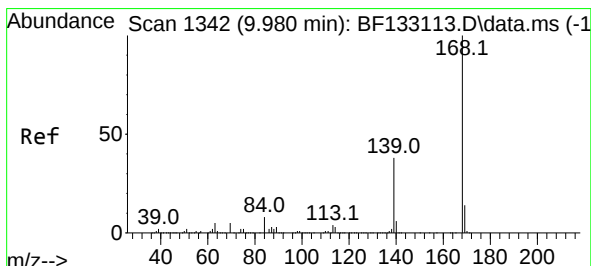
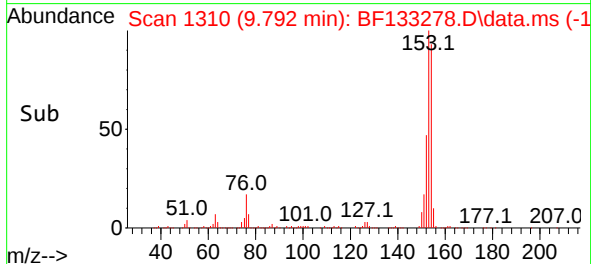
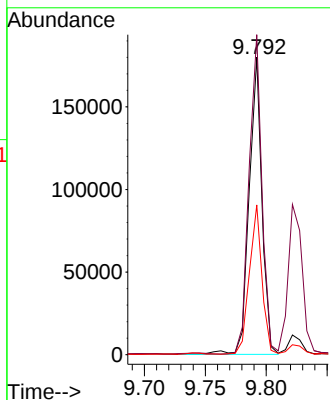
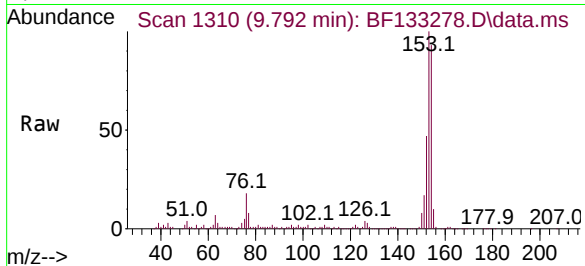




#52
Acenaphthene
Concen: 4.703 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

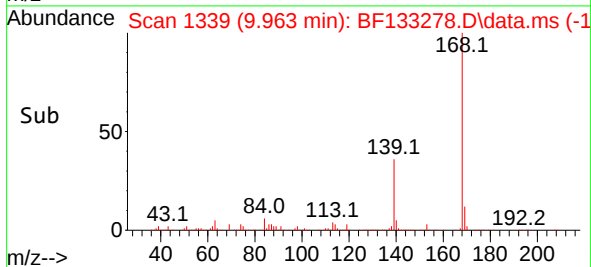
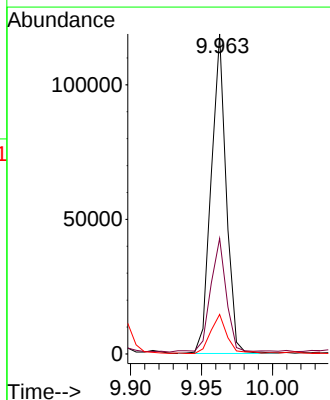
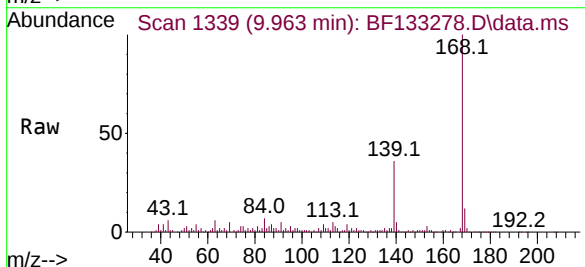
Instrument :
BNA_F
ClientSampleId :
MW-1-20230503-A

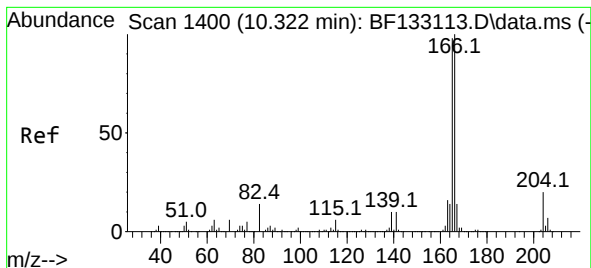
Tgt Ion:154 Resp: 130872
Ion Ratio Lower Upper
154 100
153 107.6 89.0 133.6
152 50.4 40.4 60.6



#55
Dibenzofuran
Concen: 2.299 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF133278.D
Acq: 05 May 2023 22:54

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





#58

Fluorene

Concen: 2.925 ng

RT: 10.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

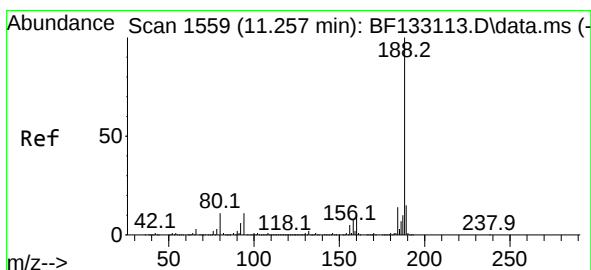
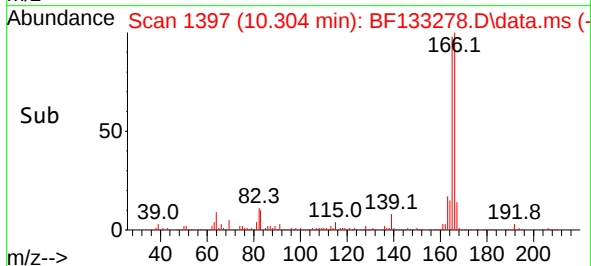
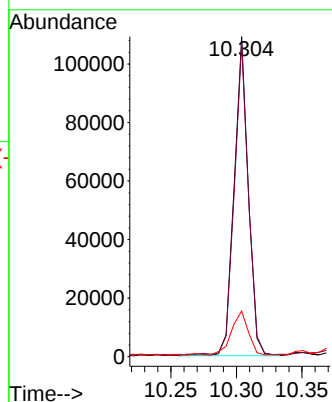
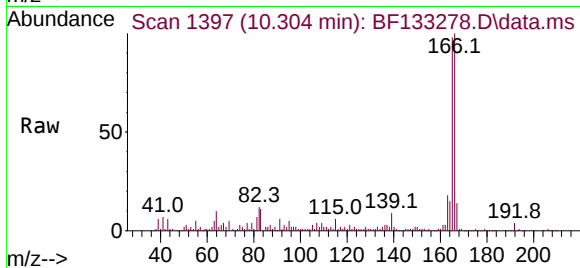
Tgt Ion:166 Resp: 81359

Ion Ratio Lower Upper

166 100

165 98.1 78.6 117.8

167 14.3 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

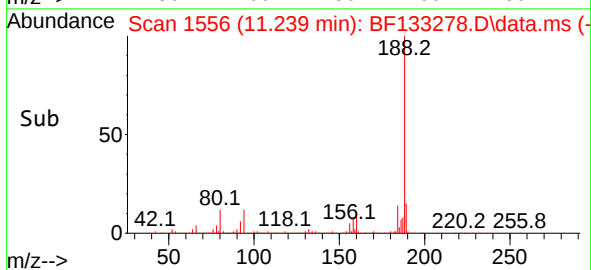
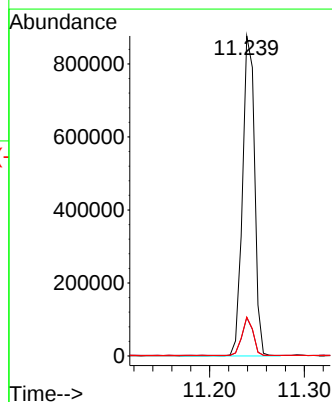
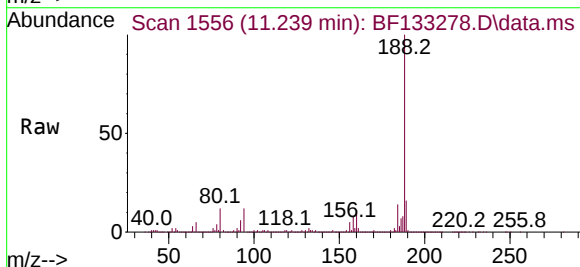
Tgt Ion:188 Resp: 773497

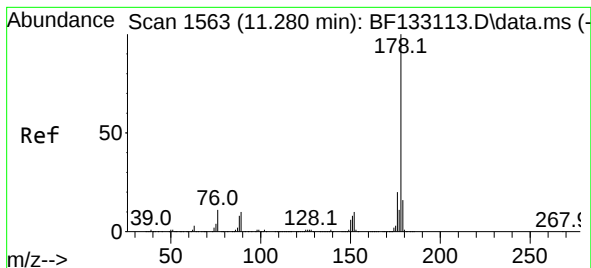
Ion Ratio Lower Upper

188 100

94 12.0 9.7 14.5

80 12.2 10.4 15.6





#71

Phenanthrene

Concen: 3.472 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

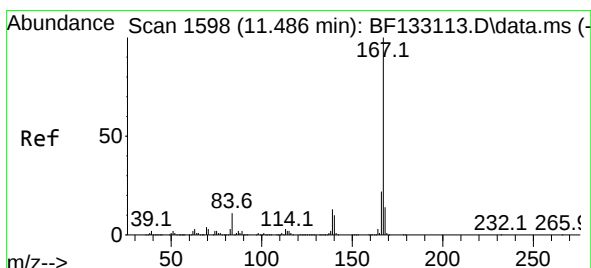
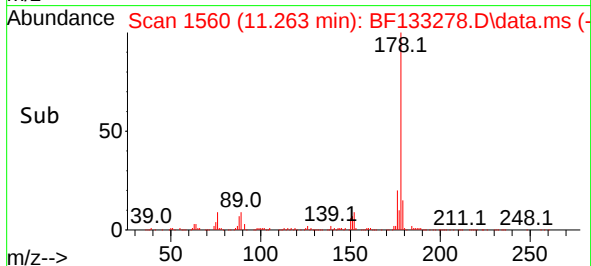
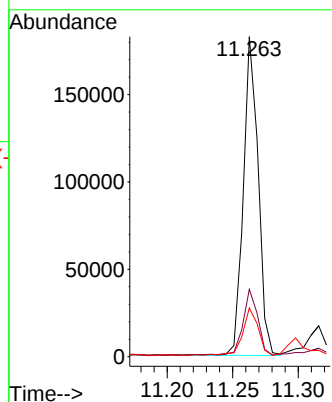
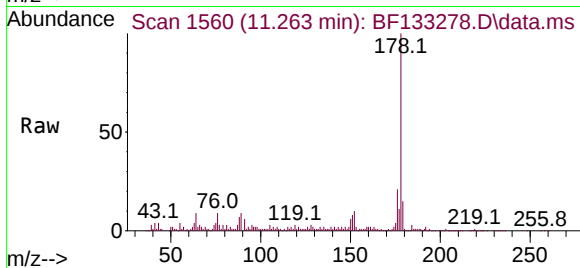
Tgt Ion:178 Resp: 144353

Ion Ratio Lower Upper

178 100

176 21.0 15.9 23.9

179 15.2 12.5 18.7



#73

Carbazole

Concen: 7.000 ng

RT: 11.474 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

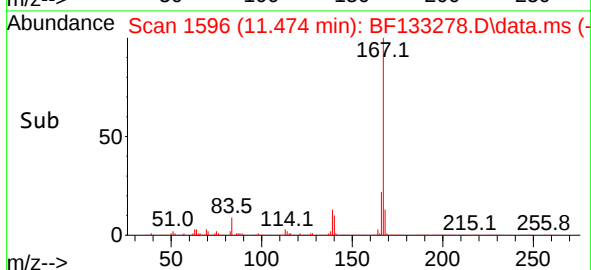
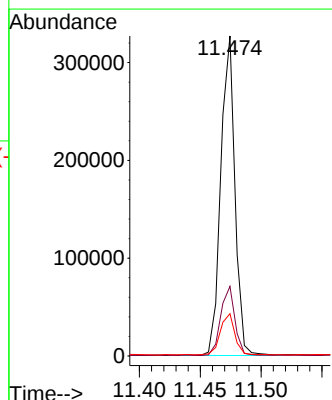
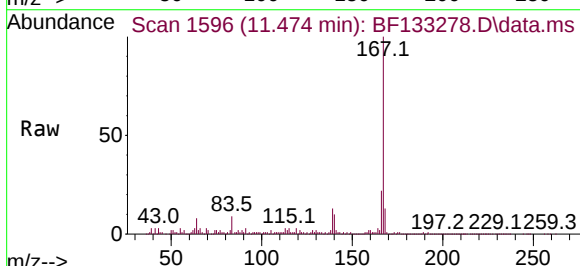
Tgt Ion:167 Resp: 265195

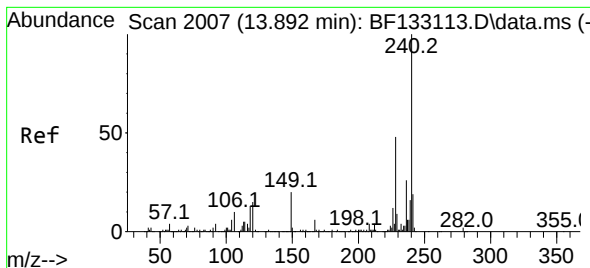
Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

139 13.2 10.6 16.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

Instrument :

BNA_F

ClientSampleId :

MW-1-20230503-A

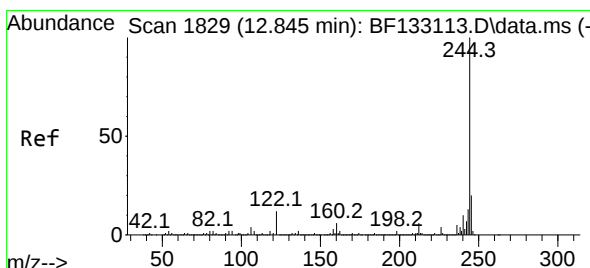
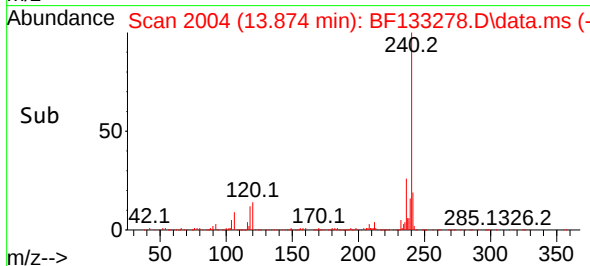
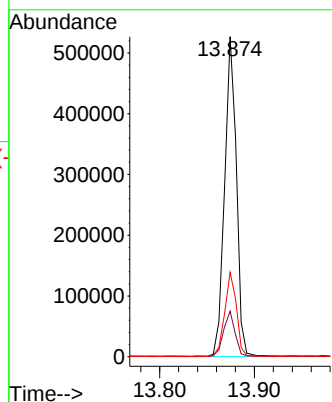
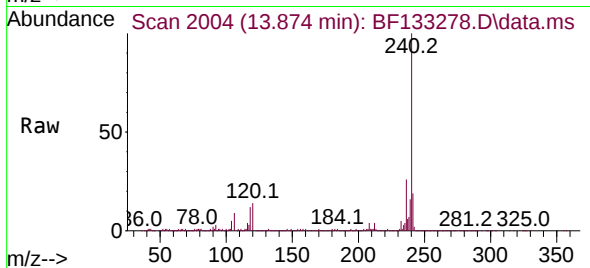
Tgt Ion:240 Resp: 456488

Ion Ratio Lower Upper

240 100

120 14.2 10.5 15.7

236 26.4 21.5 32.3



#79

Terphenyl-d14

Concen: 71.881 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BF133278.D

Acq: 05 May 2023 22:54

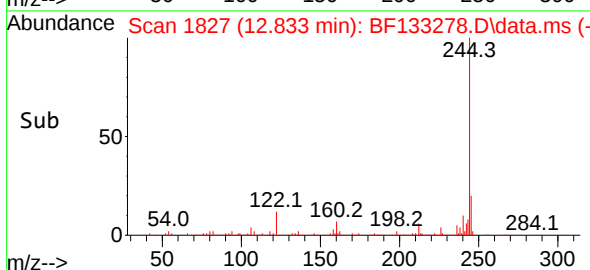
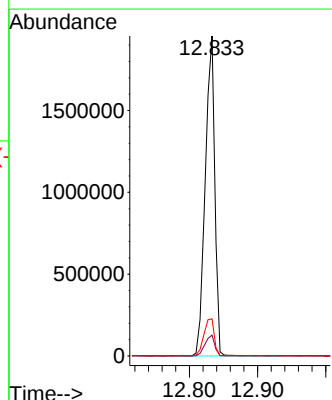
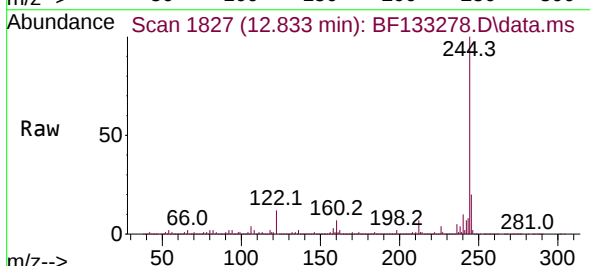
Tgt Ion:244 Resp: 1902557

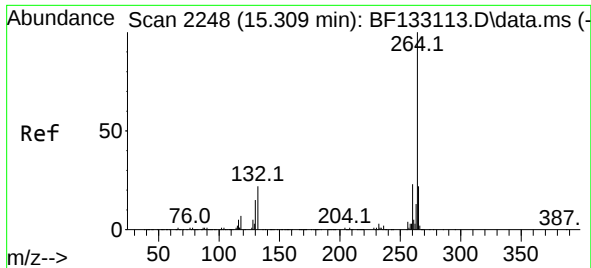
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

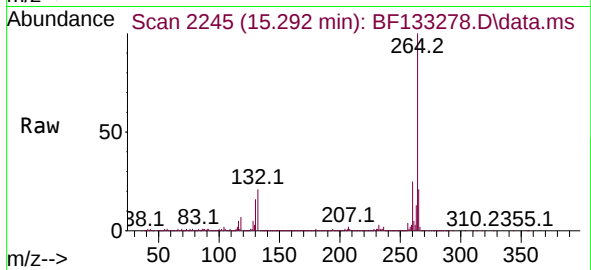
122 11.6 8.6 13.0





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

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



Tgt Ion:264 Resp: 403620

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	21.1	17.0	25.4

