

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138401.D
 Acq On : 01 Jul 2024 14:07
 Operator : CG\JU
 Sample : P3073-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW14-20240625

Quant Time: Jul 01 14:34:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

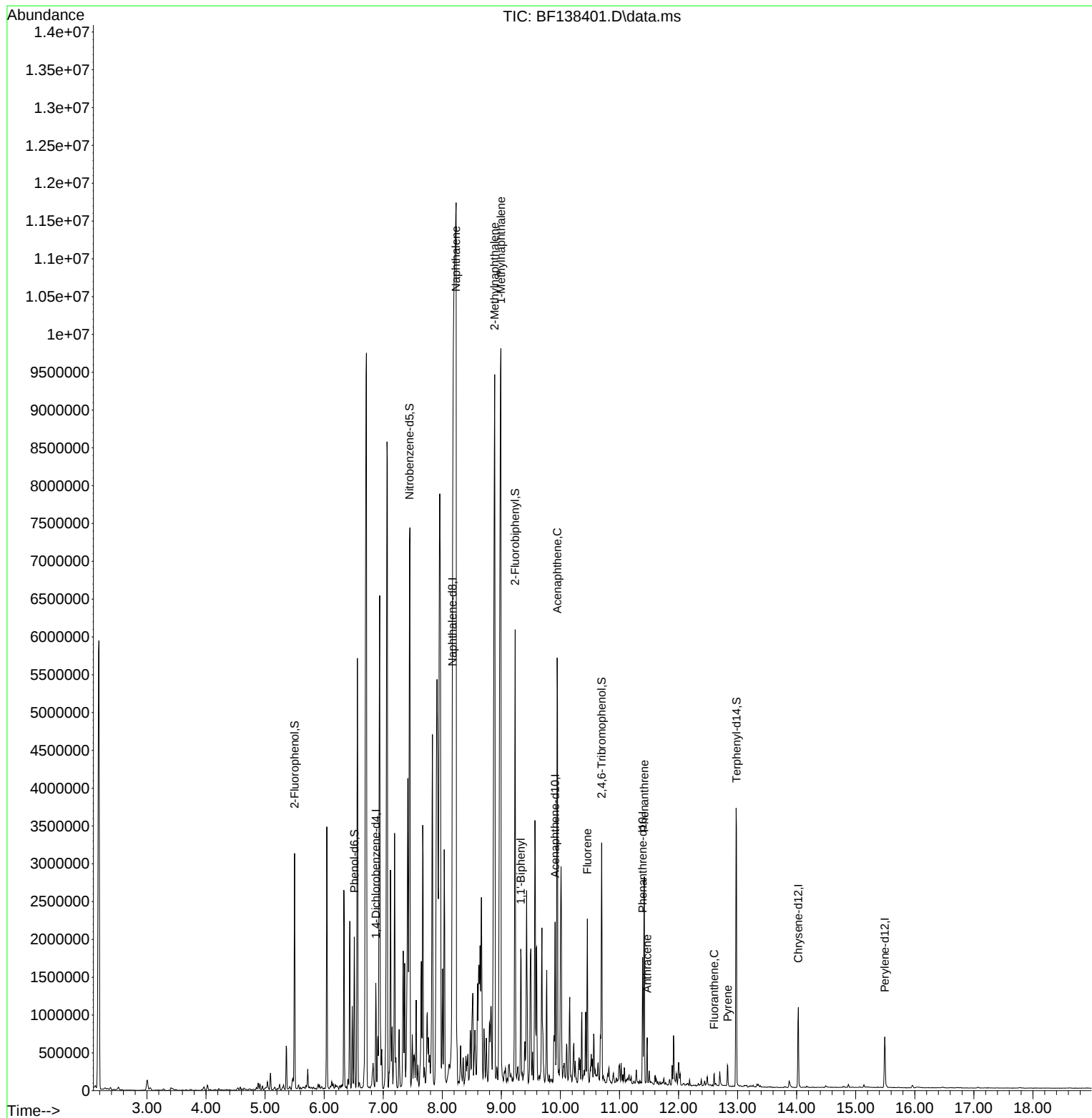
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	191304	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	468432	20.000	ng	# 0.01
39) Acenaphthene-d10	9.910	164	401687	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	581387	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	333925	20.000	ng	0.00
86) Perylene-d12	15.492	264	288698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	715824	62.037	ng	0.00
7) Phenol-d6	6.510	99	589627	37.934	ng	0.00
23) Nitrobenzene-d5	7.445	82	939537	104.192	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	354819	108.116	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1748473	69.273	ng	0.00
79) Terphenyl-d14	12.980	244	1365787	56.052	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.234	128	17625215	744.285	ng	# 92
37) 2-Methylnaphthalene	8.886	142	4131380	269.943	ng	97
38) 1-Methylnaphthalene	8.992	142	4392310	295.924	ng	99
46) 1,1'-Biphenyl	9.328	154	530372	17.684	ng	99
52) Acenaphthene	9.945	154	1296539	58.876	ng	99
58) Fluorene	10.457	166	528452	21.919	ng	99
71) Phenanthrene	11.422	178	1044766	36.806	ng	99
72) Anthracene	11.469	178	213198	7.531	ng	99
75) Fluoranthene	12.604	202	60716	2.386	ng	99
78) Pyrene	12.833	202	114508	3.208	ng	98

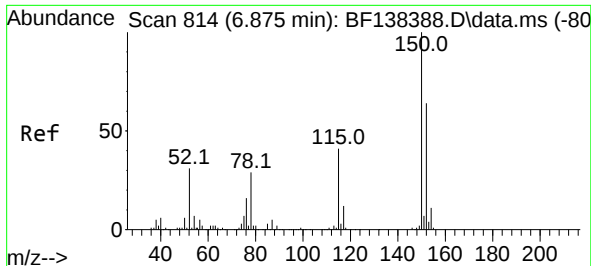
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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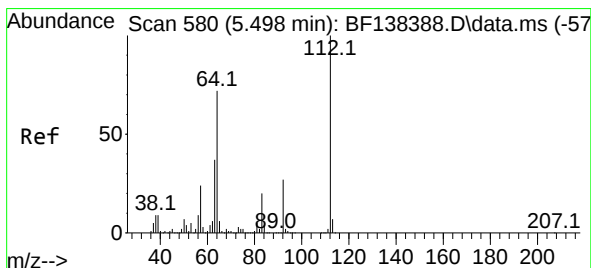
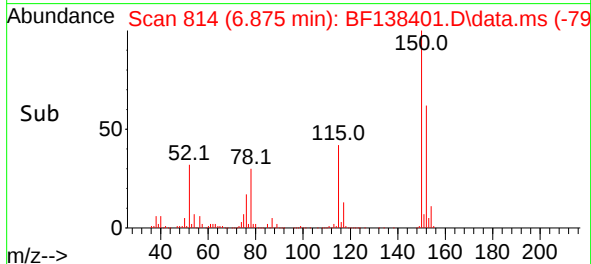
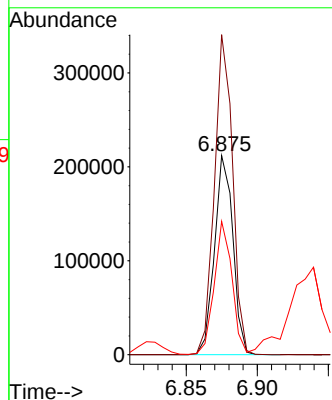
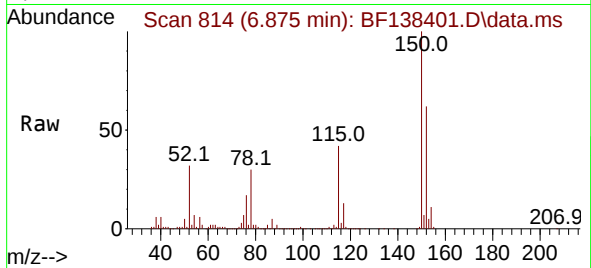




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

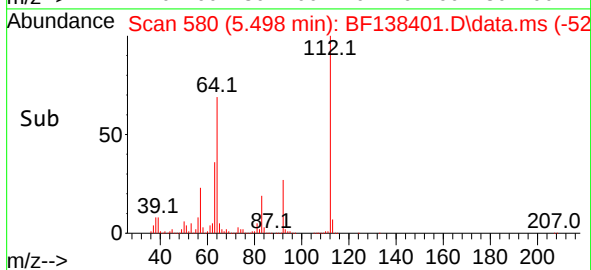
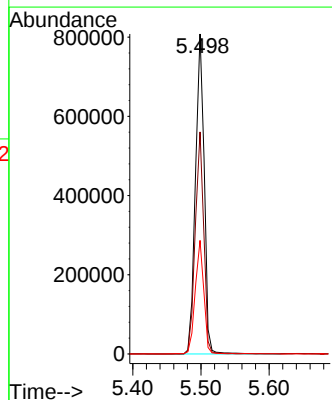
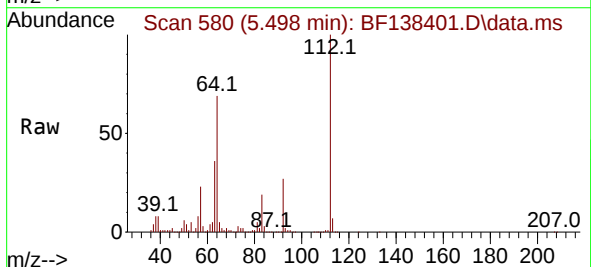
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

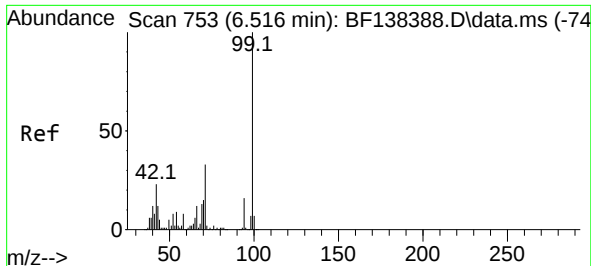
Tgt Ion:152 Resp: 191304
Ion Ratio Lower Upper
152 100
150 160.8 124.9 187.3
115 67.0 50.8 76.2



#5
2-Fluorophenol
Concen: 62.037 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:112 Resp: 715824
Ion Ratio Lower Upper
112 100
64 69.4 57.2 85.8
63 35.5 29.4 44.0





#7

Phenol-d6

Concen: 37.934 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

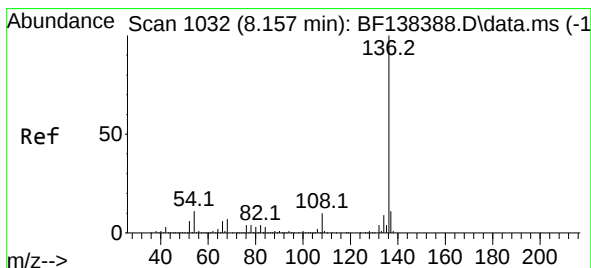
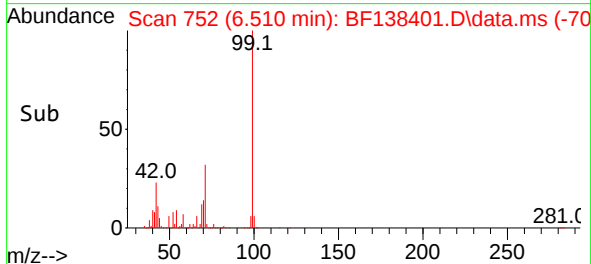
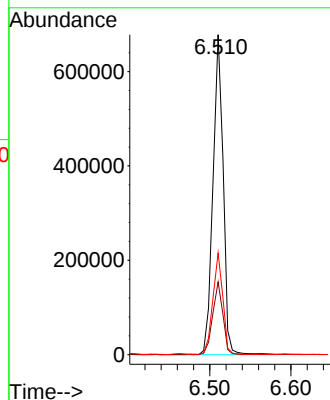
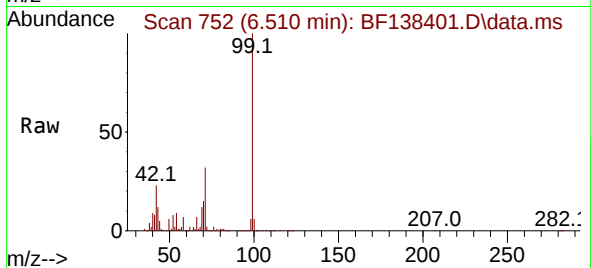
Tgt Ion: 99 Resp: 589627

Ion Ratio Lower Upper

99 100

42 22.7 18.5 27.7

71 31.8 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. 0.012 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Tgt Ion:136 Resp: 468432

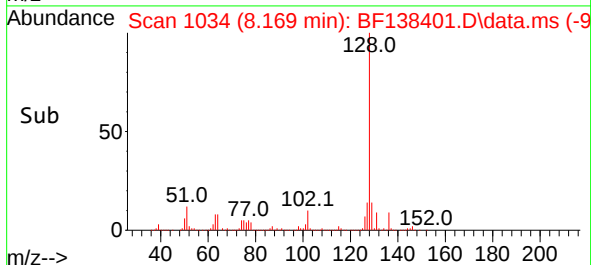
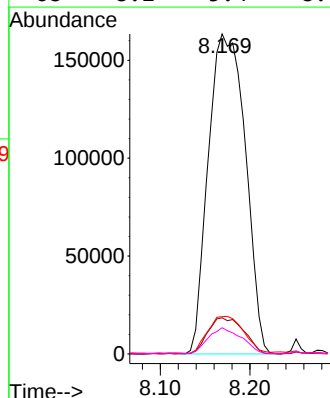
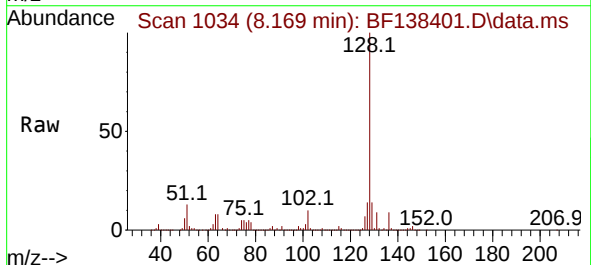
Ion Ratio Lower Upper

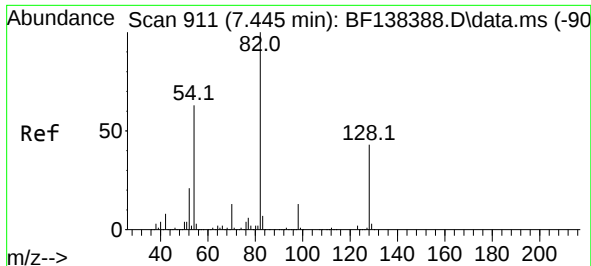
136 100

137 11.3 8.8 13.2

54 11.6 9.0 13.4

68 8.2 5.4 8.0

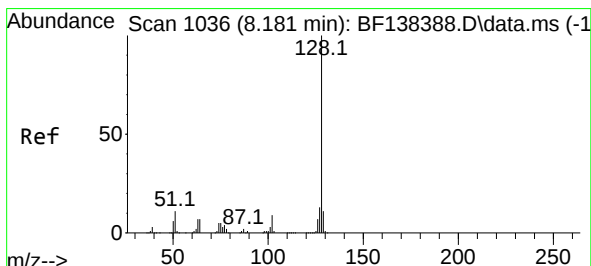
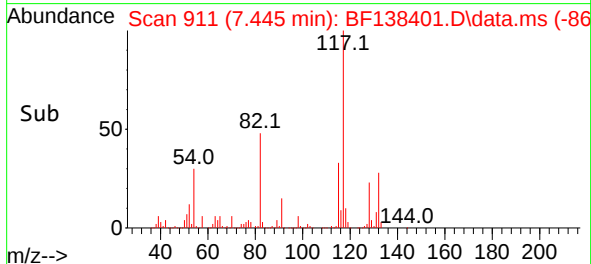
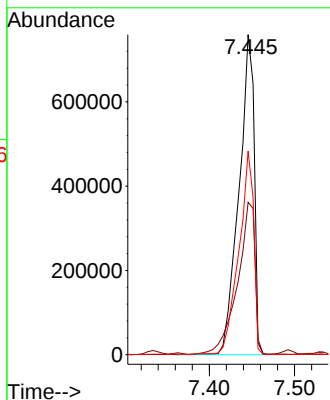
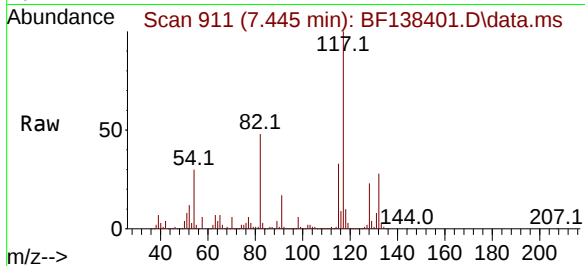




#23
Nitrobenzene-d5
Concen: 104.192 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

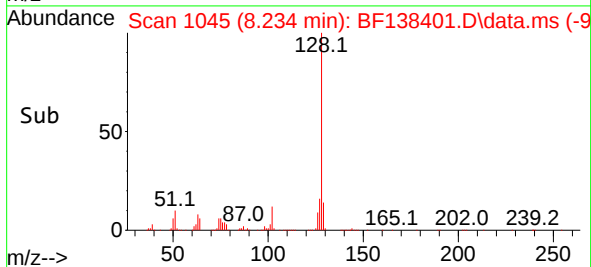
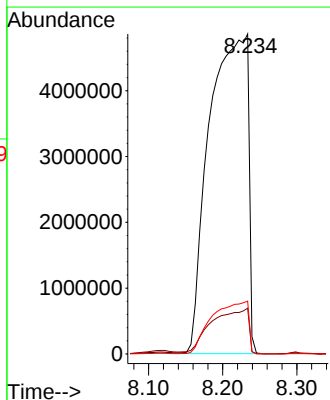
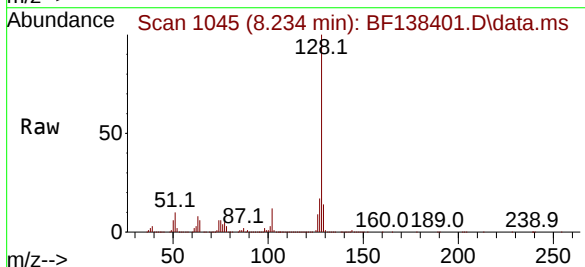
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

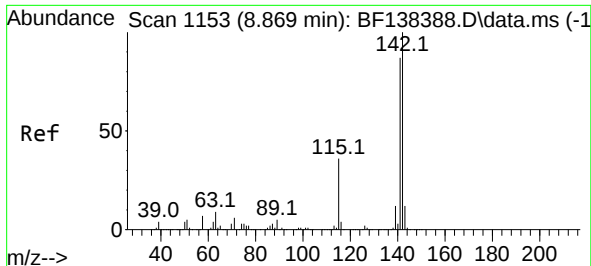
Tgt Ion: 82 Resp: 939537
Ion Ratio Lower Upper
82 100
128 47.7 34.6 52.0
54 63.6 50.5 75.7



#31
Naphthalene
Concen: 744.285 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.053 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:128 Resp:17625215
Ion Ratio Lower Upper
128 100
129 14.3 9.0 13.6#
127 16.5 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 269.943 ng

RT: 8.886 min Scan# 1153

Delta R.T. 0.018 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

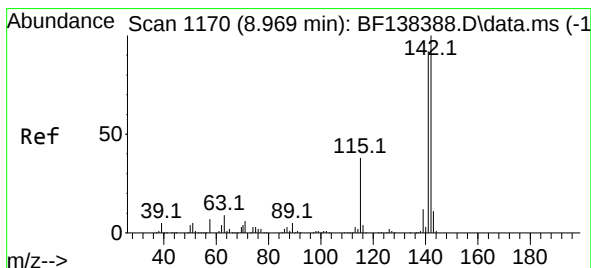
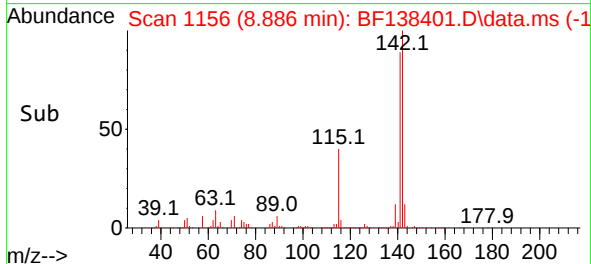
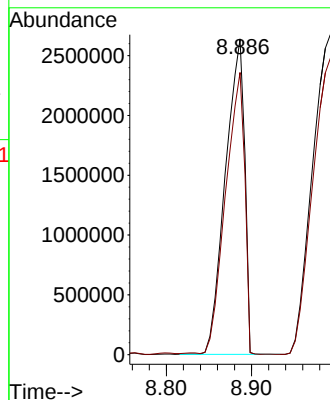
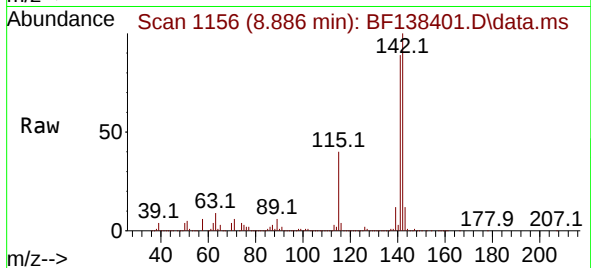
MW14-20240625

Tgt Ion:142 Resp: 4131380

Ion Ratio Lower Upper

142 100

141 89.3 69.6 104.4



#38

1-Methylnaphthalene

Concen: 295.924 ng

RT: 8.992 min Scan# 1174

Delta R.T. 0.024 min

Lab File: BF138401.D

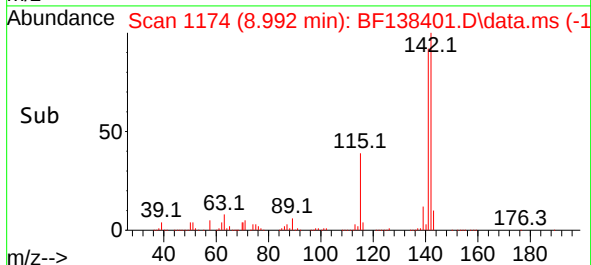
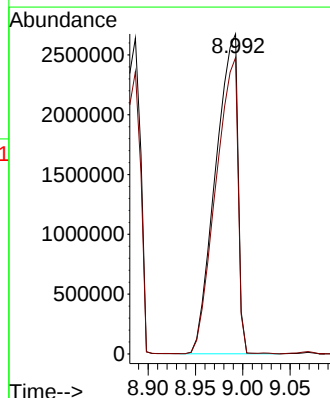
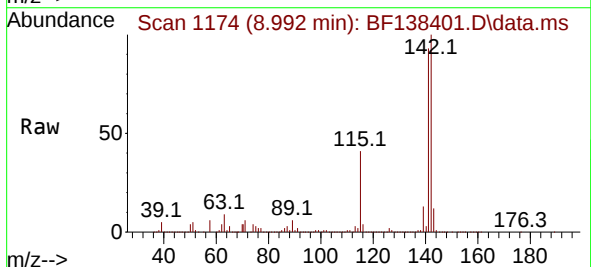
Acq: 01 Jul 2024 14:07

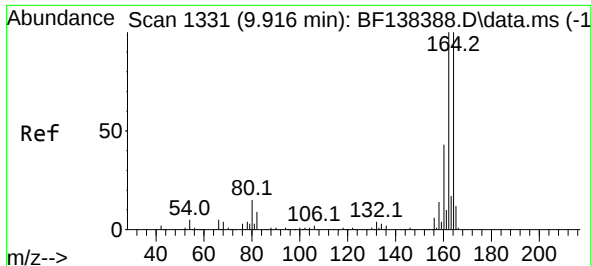
Tgt Ion:142 Resp: 4392310

Ion Ratio Lower Upper

142 100

141 92.6 73.7 110.5

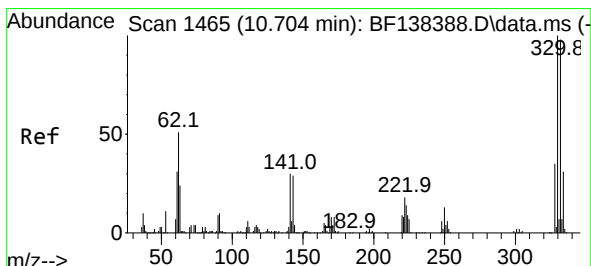
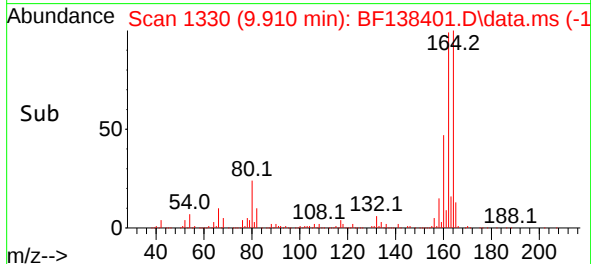
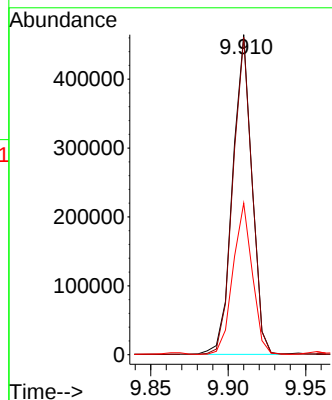
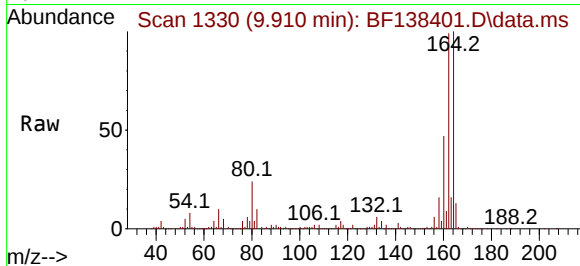




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

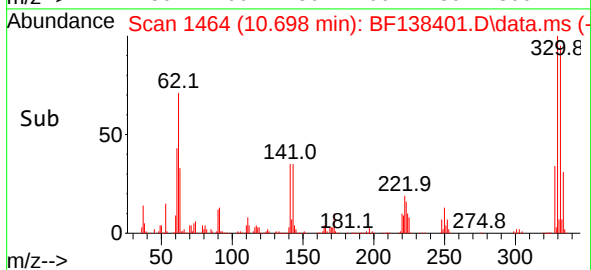
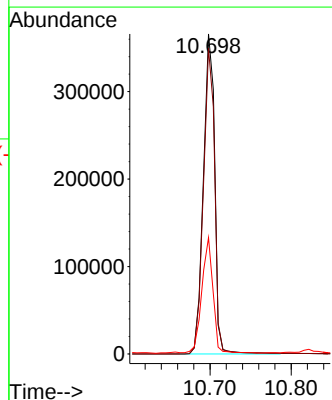
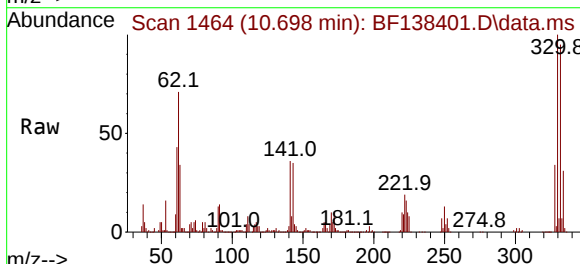
Instrument :
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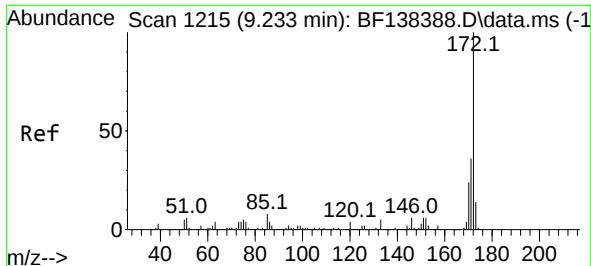
Tgt Ion:164 Resp: 401687
Ion Ratio Lower Upper
164 100
162 99.2 80.1 120.1
160 47.4 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 108.116 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:330 Resp: 354819
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 35.3 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 69.273 ng

RT: 9.234 min Scan# 1215

Delta R.T. 0.001 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

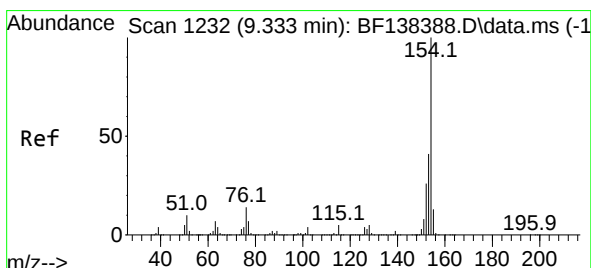
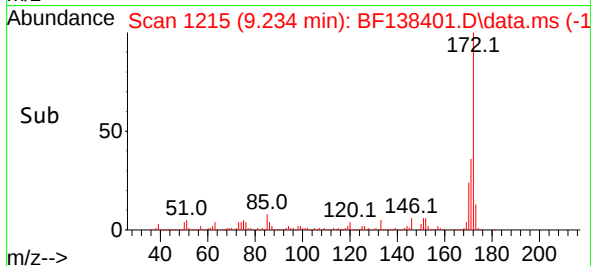
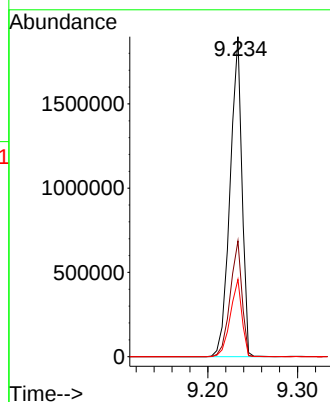
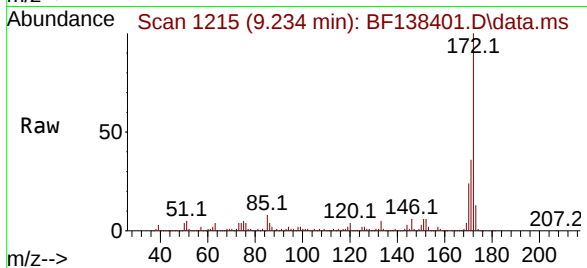
Tgt Ion:172 Resp: 1748473

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 17.684 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

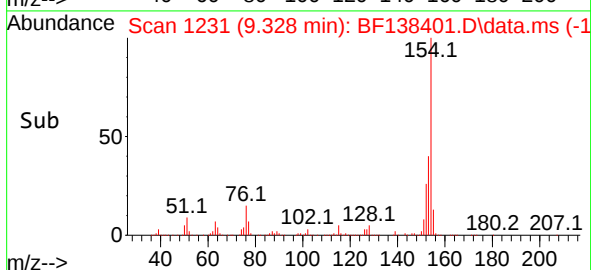
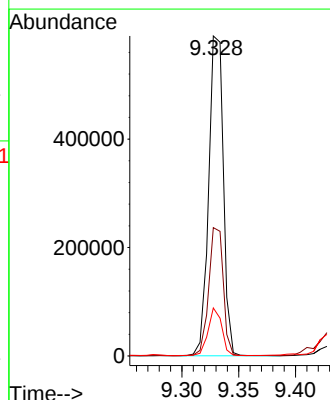
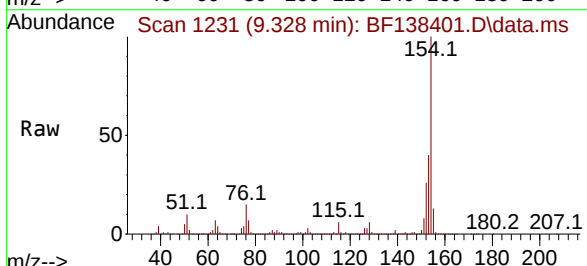
Tgt Ion:154 Resp: 530372

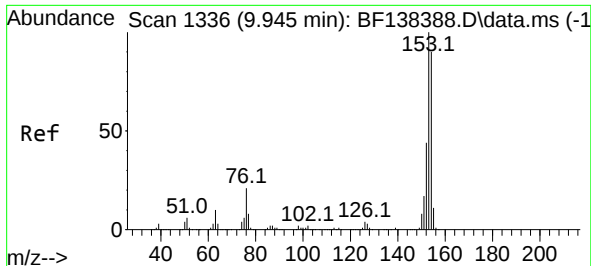
Ion Ratio Lower Upper

154 100

153 40.1 20.5 60.5

76 15.0 0.0 34.4

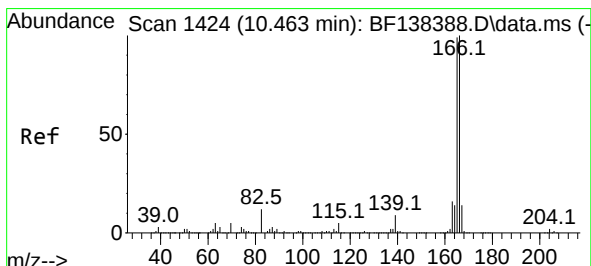
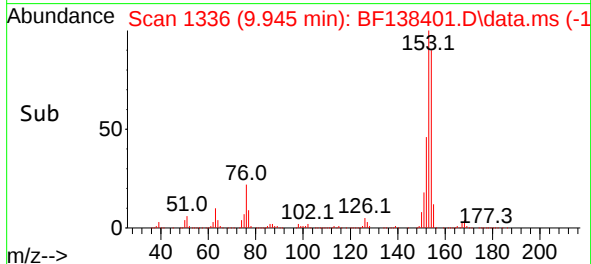
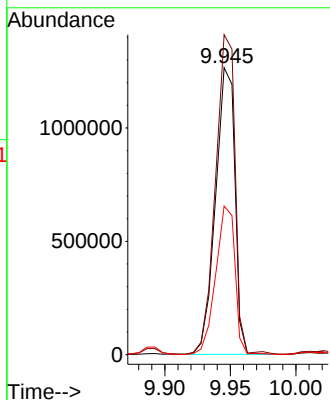
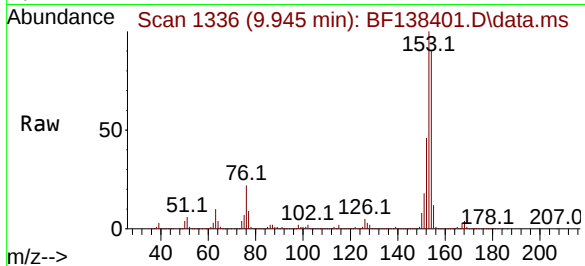




#52
Acenaphthene
Concen: 58.876 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

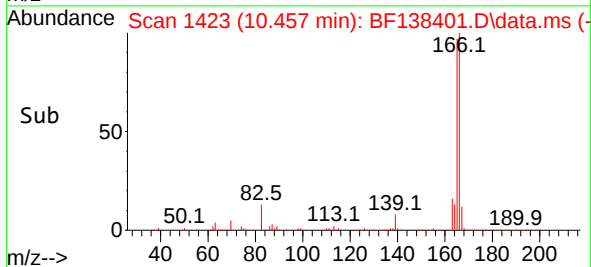
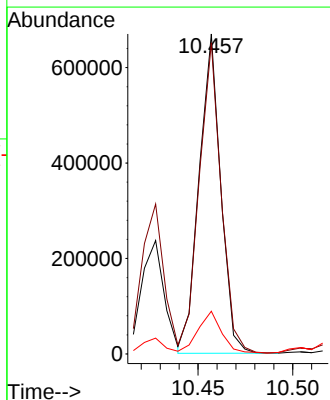
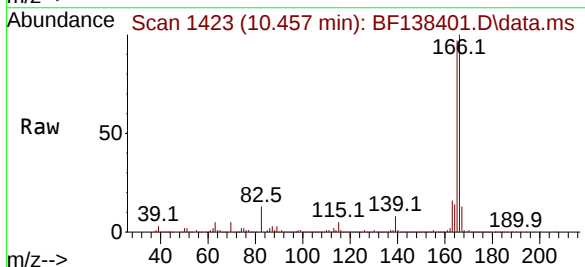
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

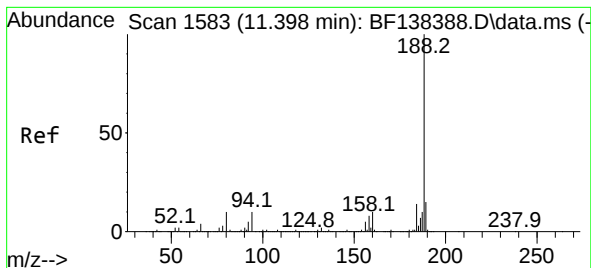
Tgt Ion:154 Resp: 1296539
Ion Ratio Lower Upper
154 100
153 111.5 89.4 134.0
152 51.8 39.7 59.5



#58
Fluorene
Concen: 21.919 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:166 Resp: 528452
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.6
167 13.4 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

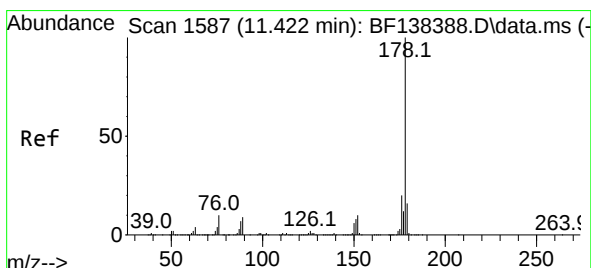
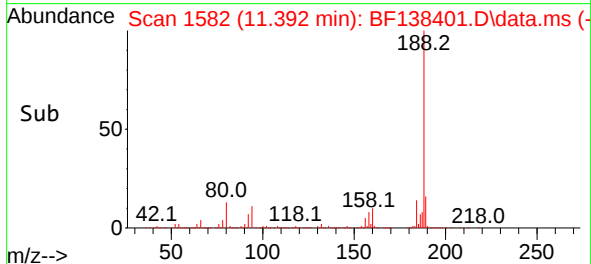
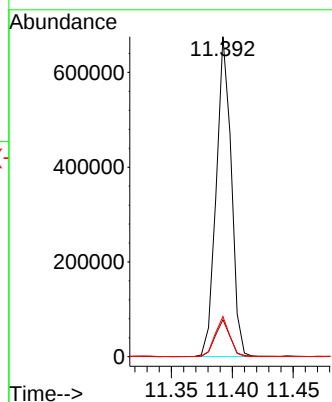
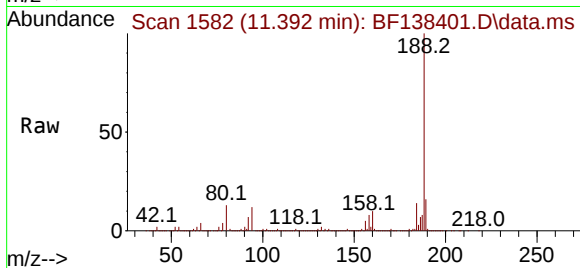
Tgt Ion:188 Resp: 581387

Ion Ratio Lower Upper

188 100

94 11.6 8.0 12.0

80 12.6 8.2 12.4#



#71

Phenanthrene

Concen: 36.806 ng

RT: 11.422 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

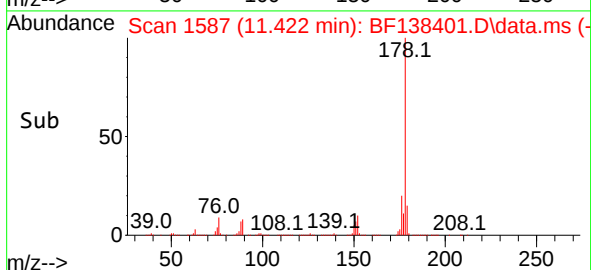
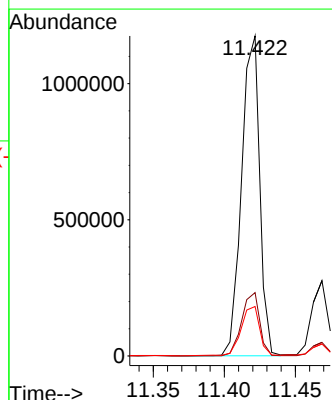
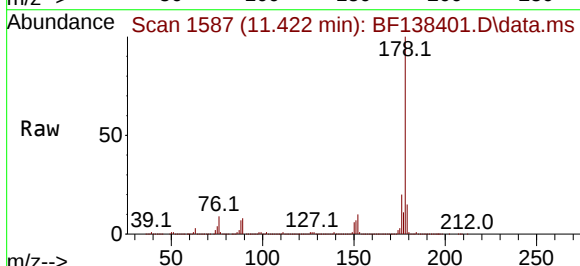
Tgt Ion:178 Resp: 1044766

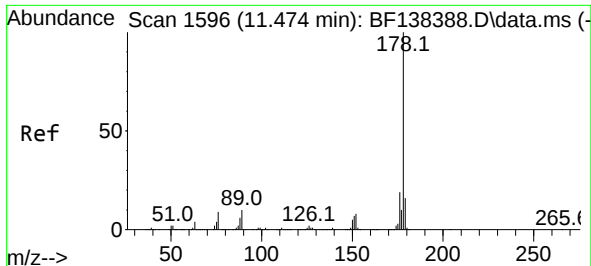
Ion Ratio Lower Upper

178 100

176 19.8 16.1 24.1

179 15.5 12.6 18.8

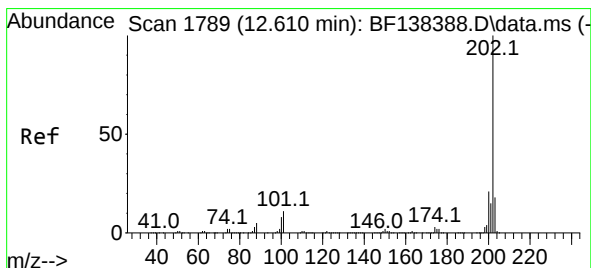
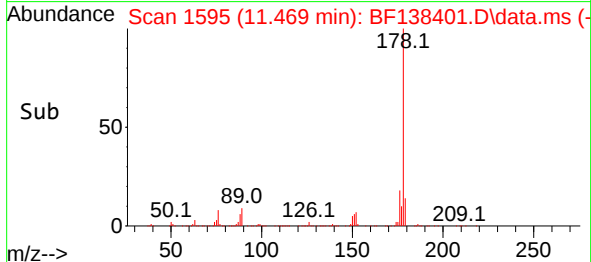
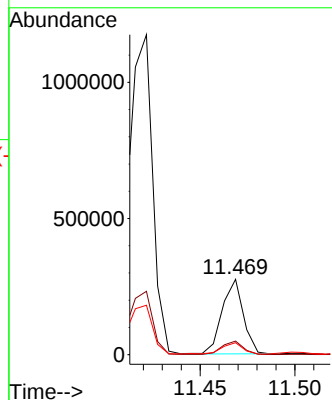
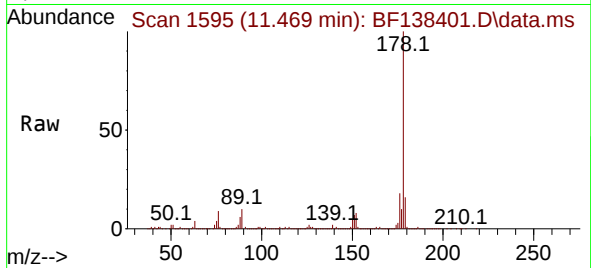




#72
Anthracene
Concen: 7.531 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

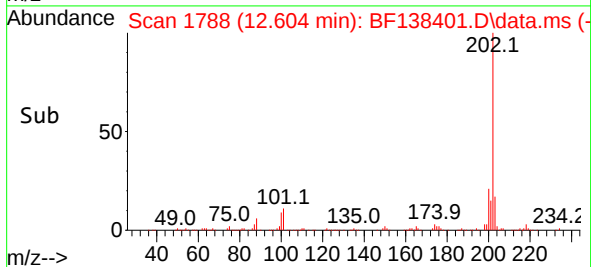
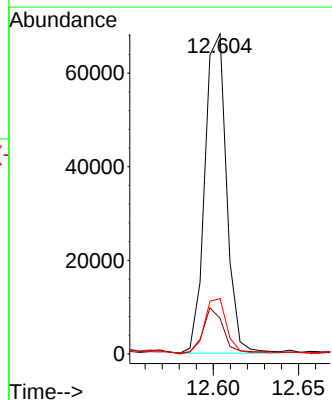
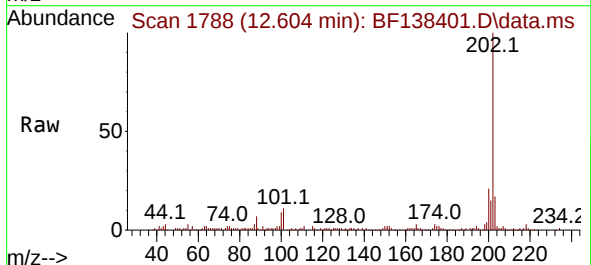
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

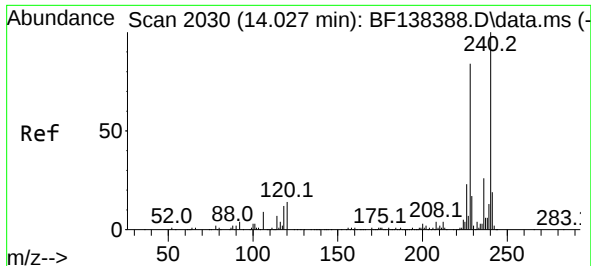
Tgt Ion:178 Resp: 213198
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 16.0 12.7 19.1



#75
Fluoranthene
Concen: 2.386 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:202 Resp: 60716
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.5
203 17.3 0.0 37.6

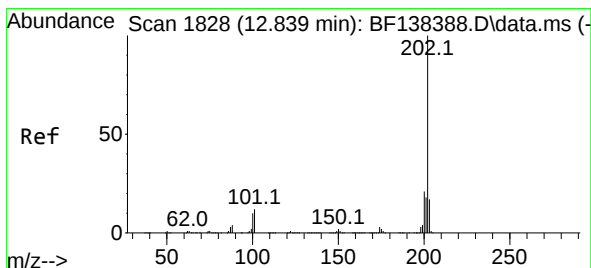
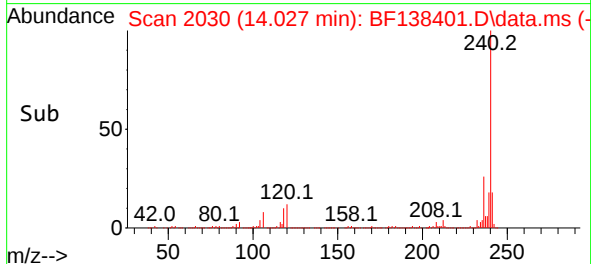
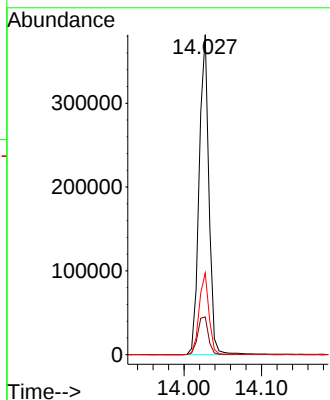
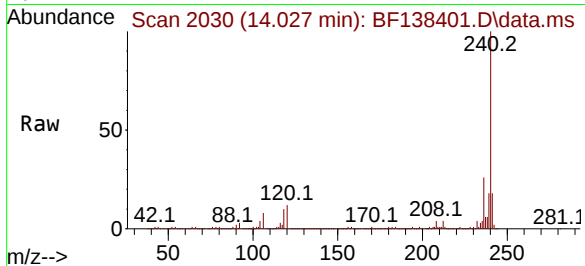




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

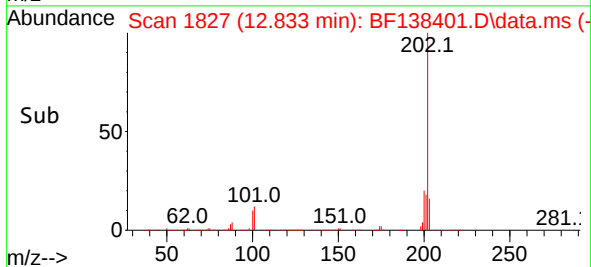
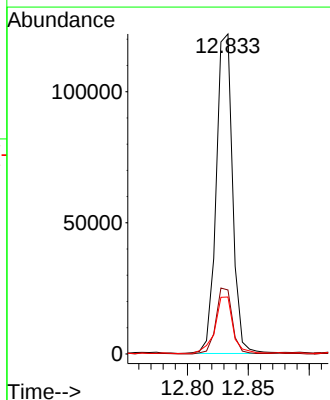
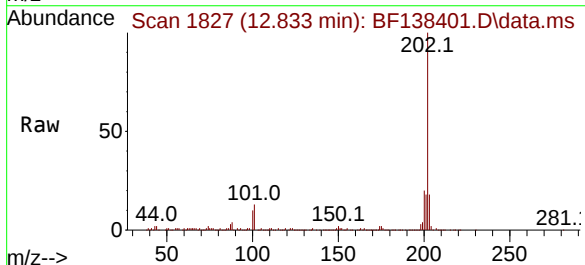
Instrument :
BNA_F
ClientSampleId :
MW14-20240625

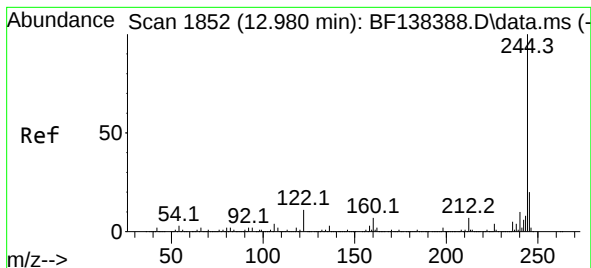
Tgt Ion:240 Resp: 333925
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.6 20.6 30.8



#78
Pyrene
Concen: 3.208 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138401.D
Acq: 01 Jul 2024 14:07

Tgt Ion:202 Resp: 114508
Ion Ratio Lower Upper
202 100
200 20.0 16.9 25.3
203 17.8 13.8 20.8





#79

Terphenyl-d14

Concen: 56.052 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Instrument :

BNA_F

ClientSampleId :

MW14-20240625

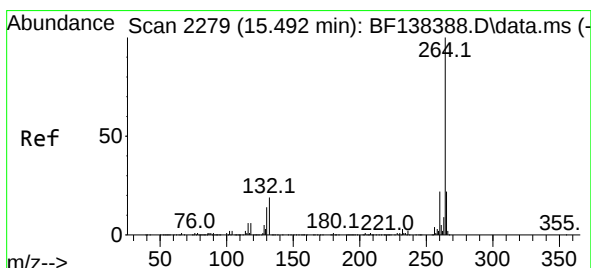
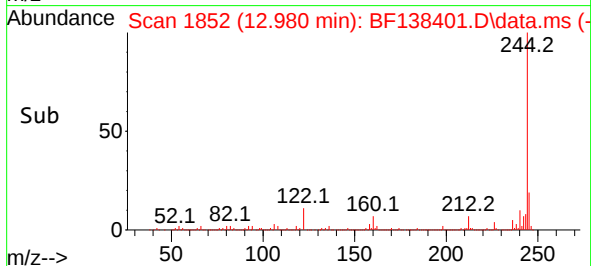
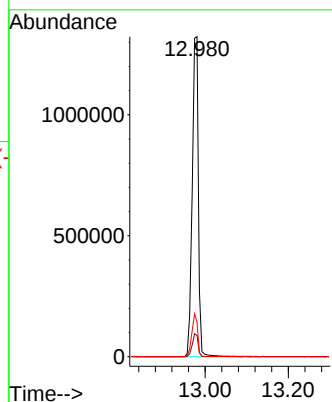
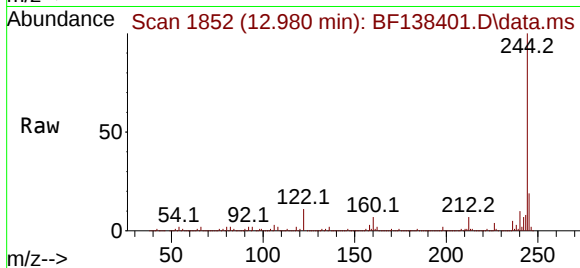
Tgt Ion:244 Resp: 1365787

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.9 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF138401.D

Acq: 01 Jul 2024 14:07

Tgt Ion:264 Resp: 288698

Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.6

265 22.1 17.5 26.3

