

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138400.D
 Acq On : 01 Jul 2024 13:38
 Operator : CG\JU
 Sample : P3073-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625

Quant Time: Jul 01 14:10:20 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)

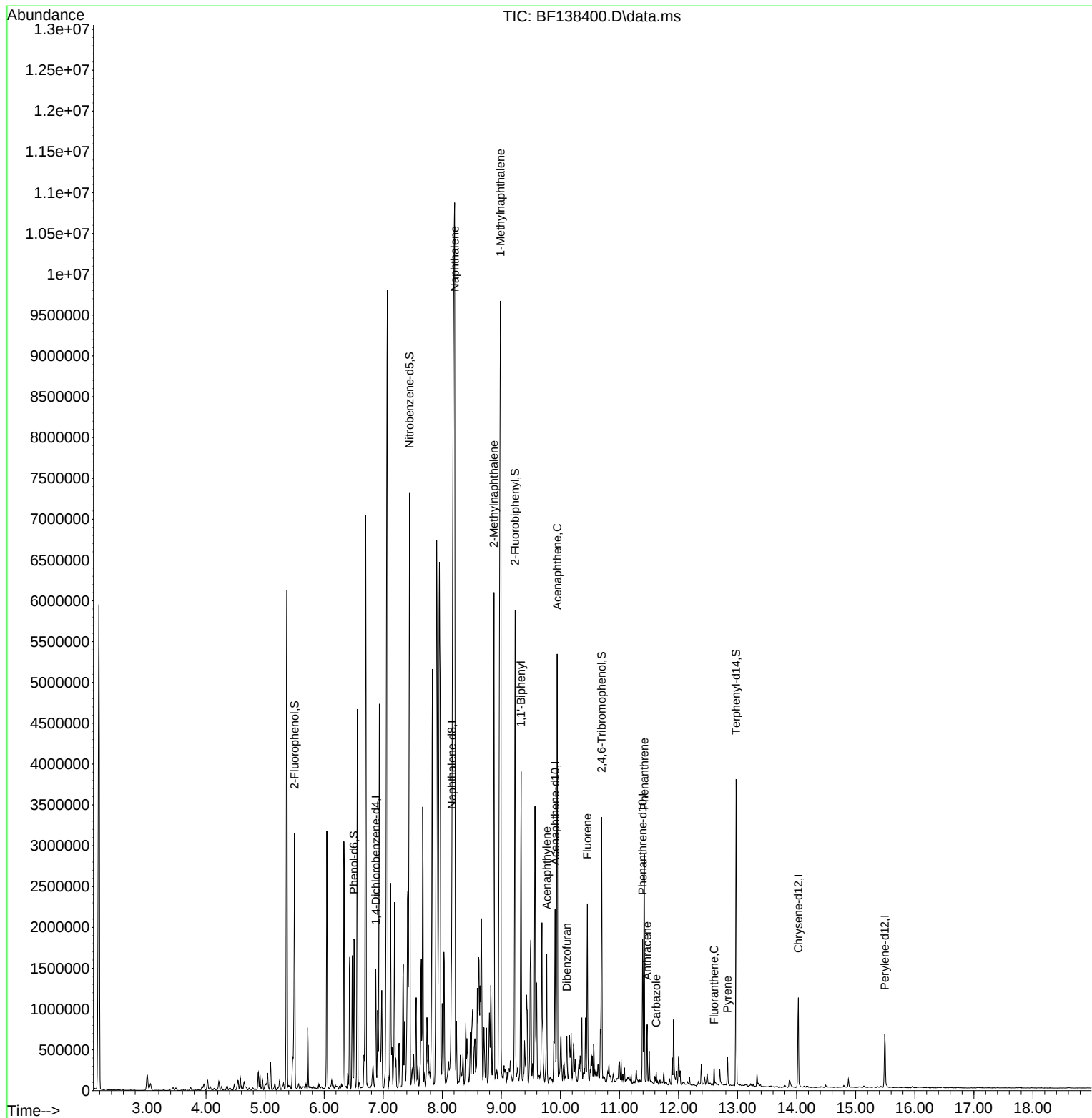
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	198578	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	642092	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	412135	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	617557	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	331483	20.000	ng	0.00
86) Perylene-d12	15.492	264	287648	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	697976	58.275	ng	0.00
7) Phenol-d6	6.504	99	602213	37.324	ng	-0.01
23) Nitrobenzene-d5	7.445	82	867064	70.149	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	357472	106.163	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1651602	63.777	ng	0.00
79) Terphenyl-d14	12.974	244	1364241	56.401	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.210	128	10979520	338.250	ng	95
37) 2-Methylnaphthalene	8.875	142	1701371	81.101	ng	99
38) 1-Methylnaphthalene	8.986	142	4630435	227.593	ng	99
46) 1,1'-Biphenyl	9.334	154	1107019	35.974	ng	100
49) Acenaphthylene	9.769	152	124433	3.771	ng	# 68
52) Acenaphthene	9.945	154	1122267	49.670	ng	99
55) Dibenzofuran	10.110	168	82367	2.646	ng	# 92
58) Fluorene	10.457	166	550160	22.241	ng	98
71) Phenanthrene	11.422	178	1074561	35.638	ng	99
72) Anthracene	11.469	178	248758	8.273	ng	98
73) Carbazole	11.622	167	50532	2.024	ng	99
75) Fluoranthene	12.604	202	74890	2.770	ng	99
78) Pyrene	12.827	202	133298	3.762	ng	99

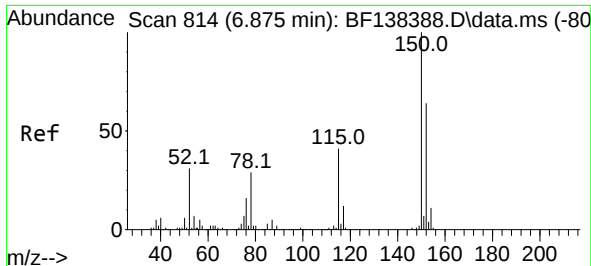
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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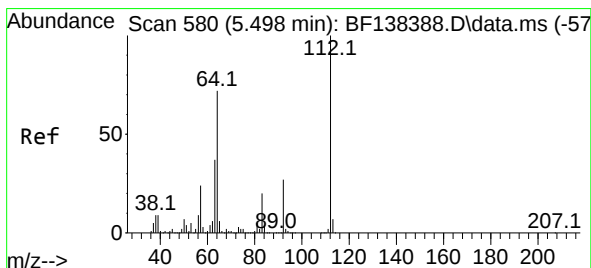
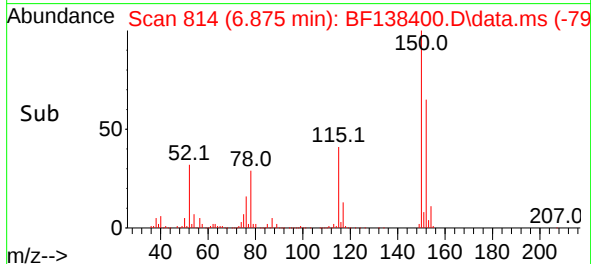
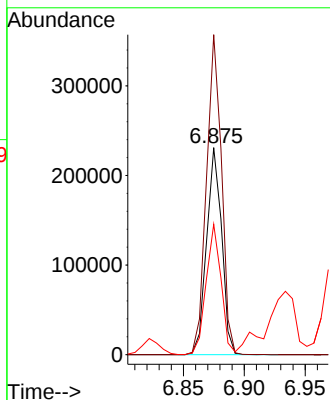
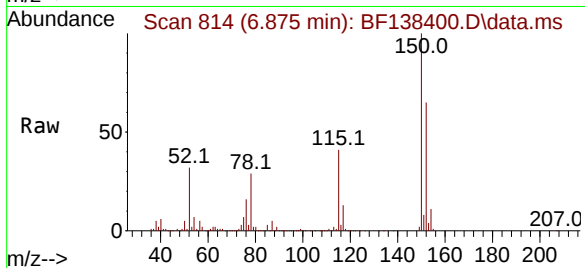




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

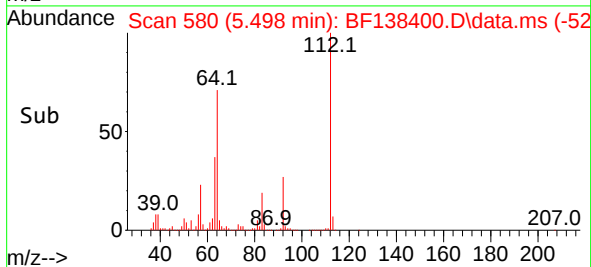
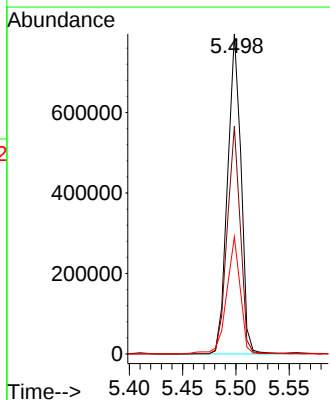
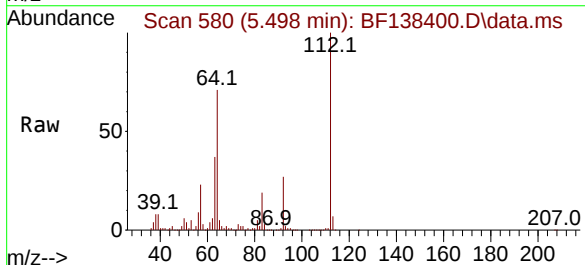
Instrument :
BNA_F
ClientSampleId :
MW12-20240625

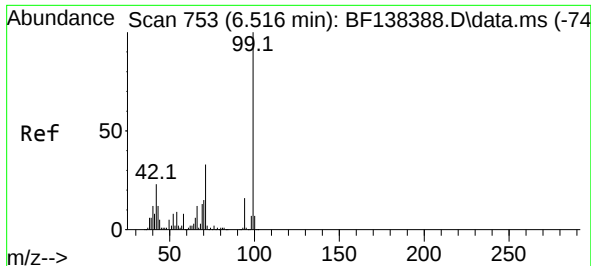
Tgt Ion:152 Resp: 198578
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 62.9 50.8 76.2



#5
2-Fluorophenol
Concen: 58.275 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

Tgt Ion:112 Resp: 697976
Ion Ratio Lower Upper
112 100
64 71.1 57.2 85.8
63 36.6 29.4 44.0





#7

Phenol-d6

Concen: 37.324 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

Instrument :

BNA_F

ClientSampleId :

MW12-20240625

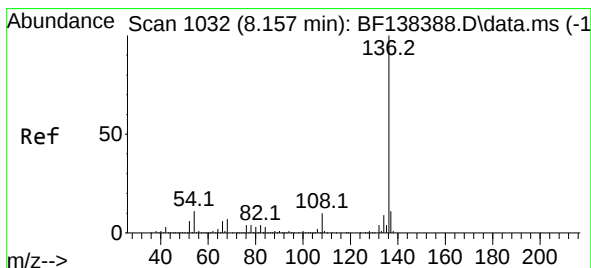
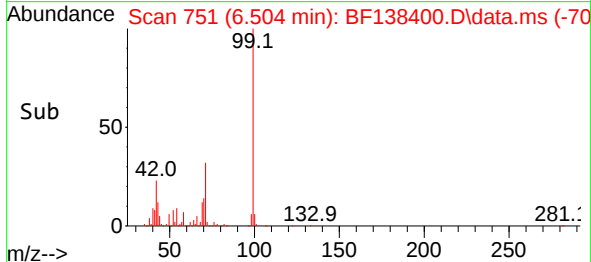
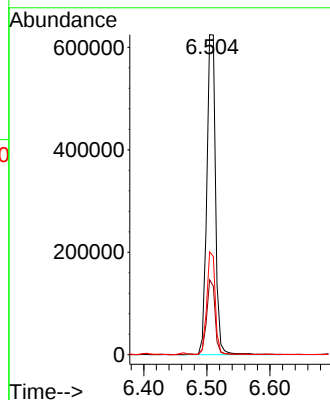
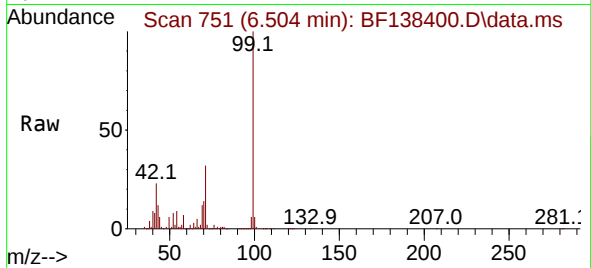
Tgt Ion: 99 Resp: 602213

Ion Ratio Lower Upper

99 100

42 23.4 18.5 27.7

71 32.1 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1033

Delta R.T. 0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

Tgt Ion:136 Resp: 642092

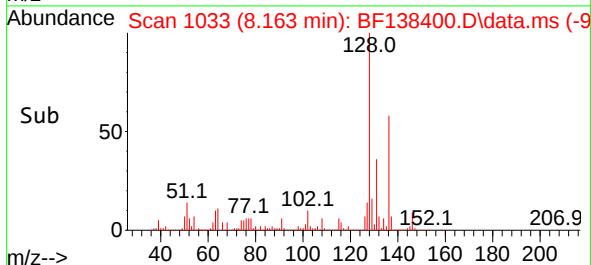
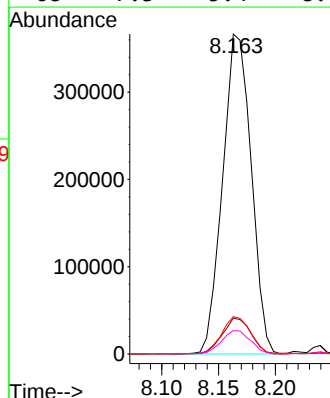
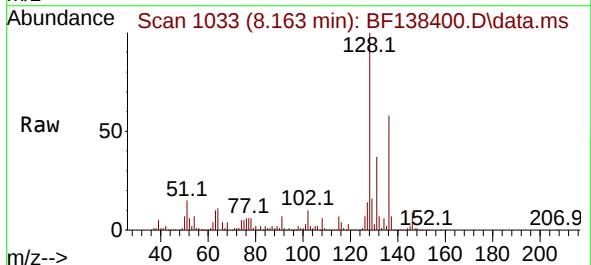
Ion Ratio Lower Upper

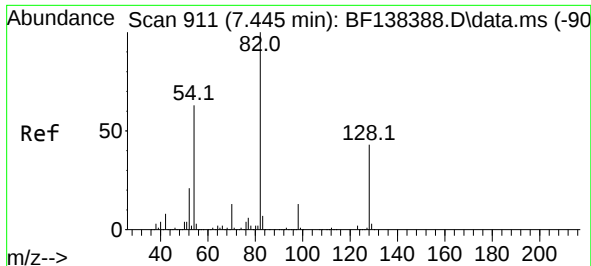
136 100

137 11.2 8.8 13.2

54 11.6 9.0 13.4

68 7.3 5.4 8.0

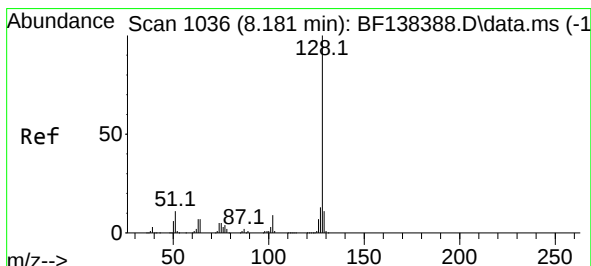
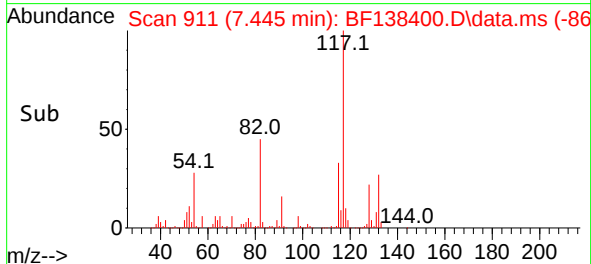
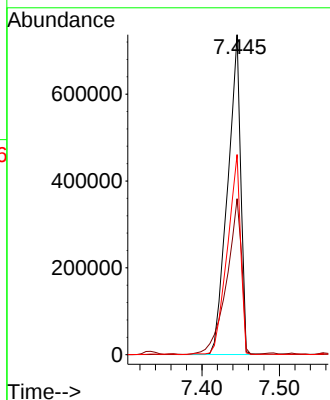
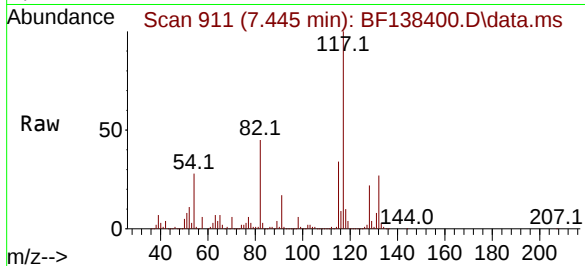




#23
Nitrobenzene-d5
Concen: 70.149 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

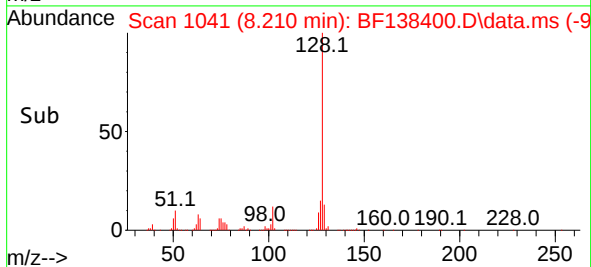
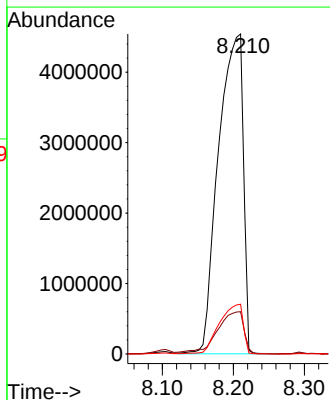
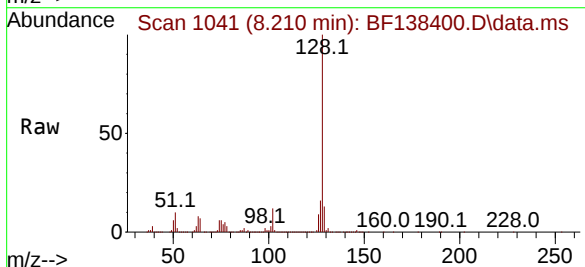
Instrument :
BNA_F
ClientSampleId :
MW12-20240625

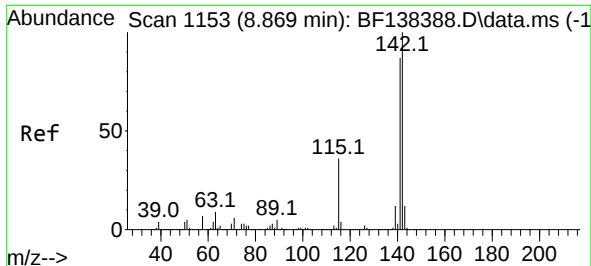
Tgt Ion: 82 Resp: 867064
Ion Ratio Lower Upper
82 100
128 48.8 34.6 52.0
54 62.6 50.5 75.7



#31
Naphthalene
Concen: 338.250 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.030 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

Tgt Ion: 128 Resp: 10979520
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.6
127 15.6 10.6 16.0

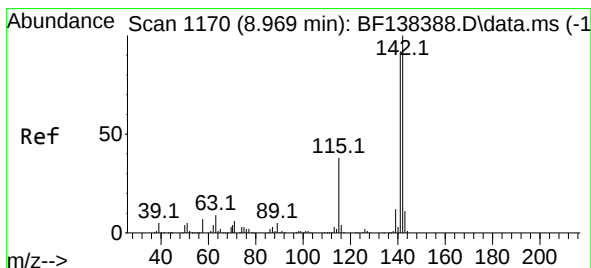
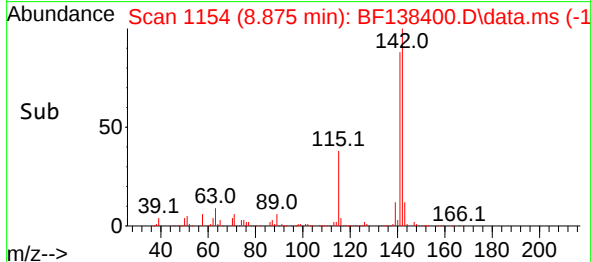
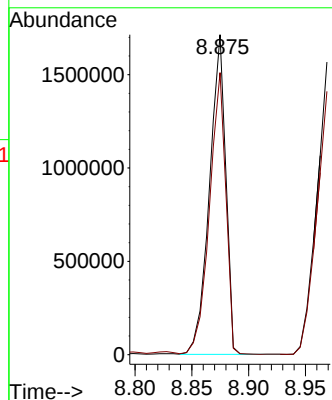
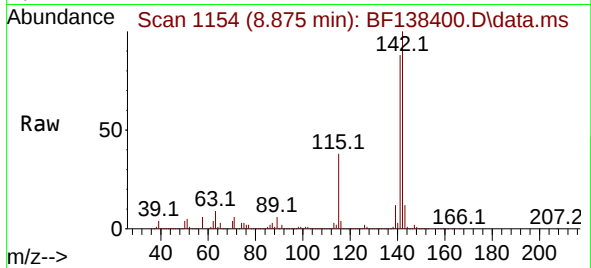




#37
2-Methylnaphthalene
Concen: 81.101 ng
RT: 8.875 min Scan# 1153
Delta R.T. 0.006 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

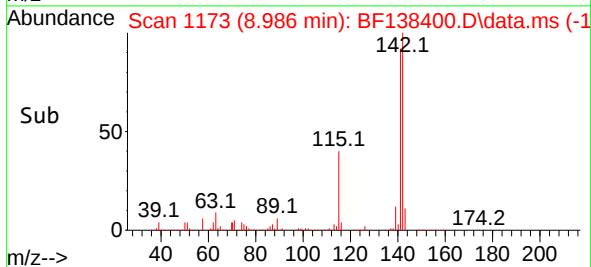
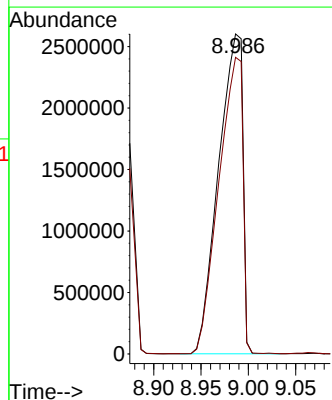
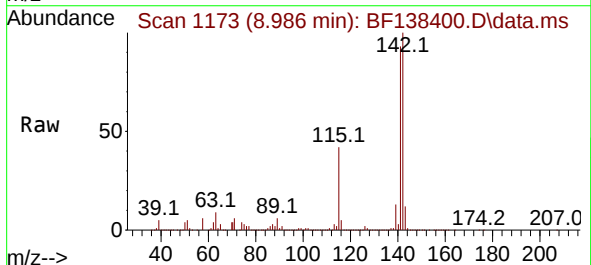
Instrument :
BNA_F
ClientSampleId :
MW12-20240625

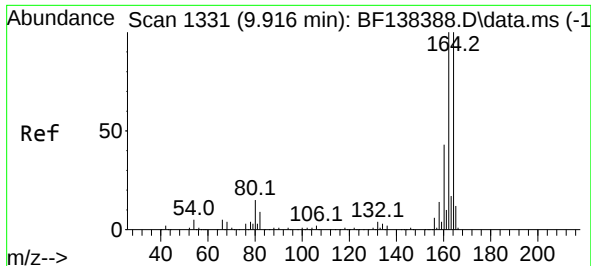
Tgt Ion:142 Resp: 1701371
Ion Ratio Lower Upper
142 100
141 88.1 69.6 104.4



#38
1-Methylnaphthalene
Concen: 227.593 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.018 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

Tgt Ion:142 Resp: 4630435
Ion Ratio Lower Upper
142 100
141 92.7 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

Instrument :

BNA_F

ClientSampleId :

MW12-20240625

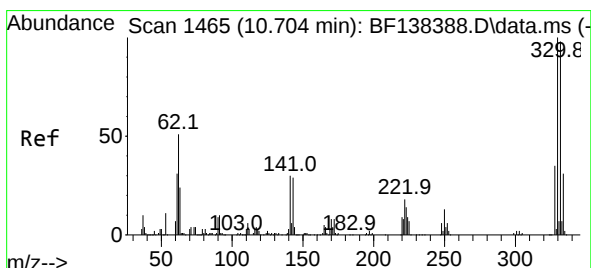
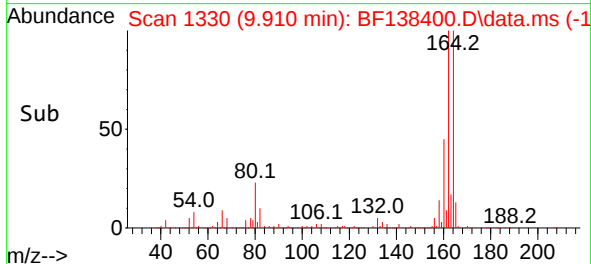
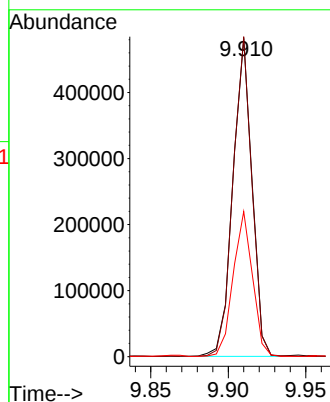
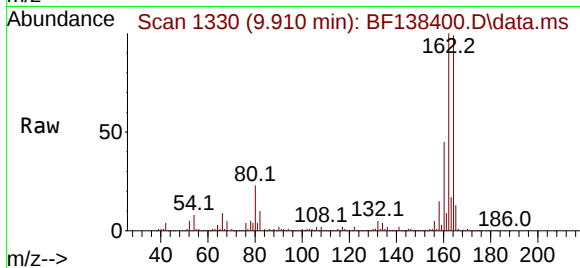
Tgt Ion:164 Resp: 412135

Ion Ratio Lower Upper

164 100

162 100.6 80.1 120.1

160 45.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 106.163 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

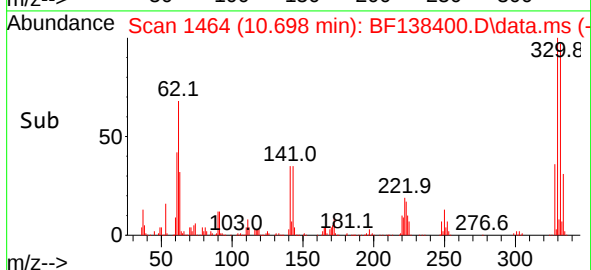
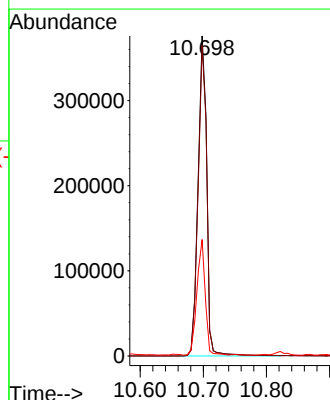
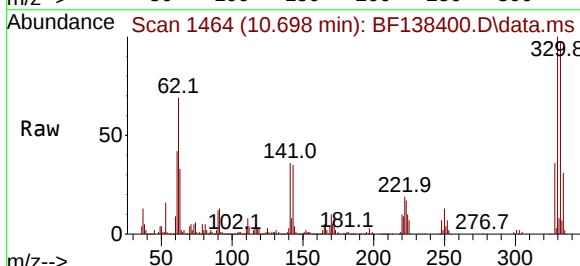
Tgt Ion:330 Resp: 357472

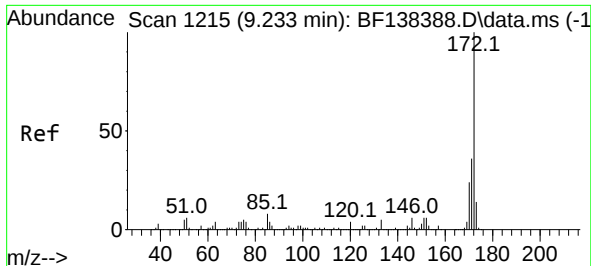
Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

141 34.7 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 63.777 ng

RT: 9.234 min Scan# 1215

Delta R.T. 0.001 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

Instrument :

BNA_F

ClientSampleId :

MW12-20240625

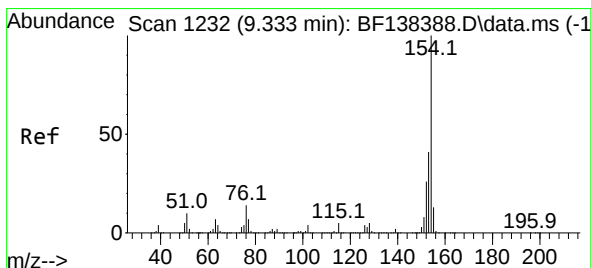
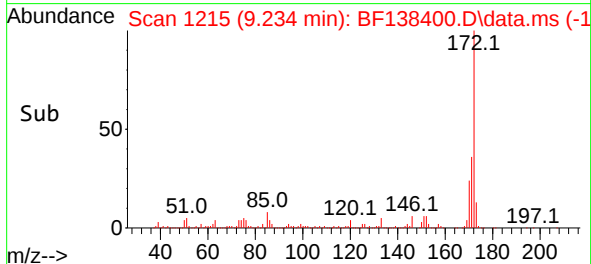
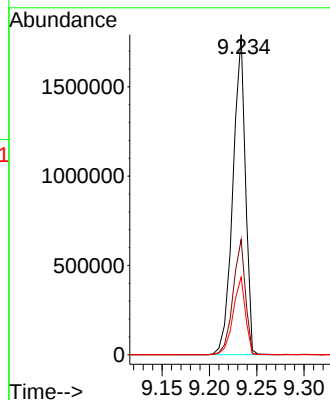
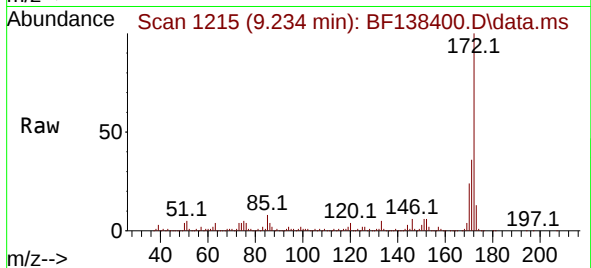
Tgt Ion:172 Resp: 1651602

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.4

170 24.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 35.974 ng

RT: 9.334 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

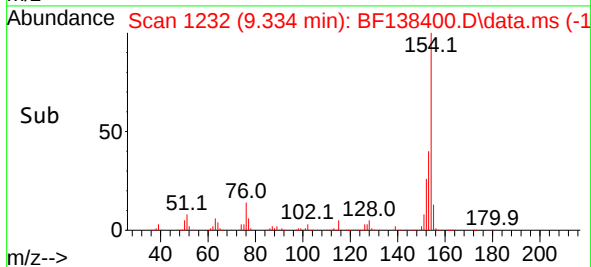
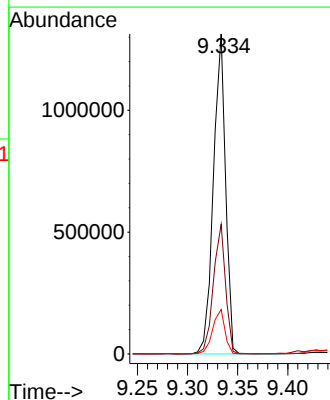
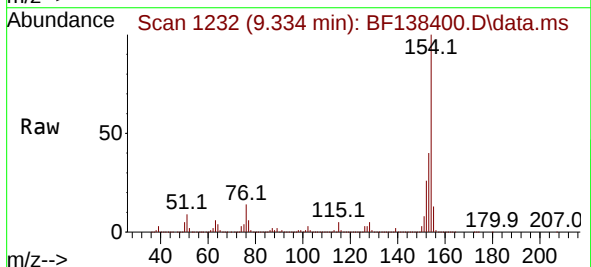
Tgt Ion:154 Resp: 1107019

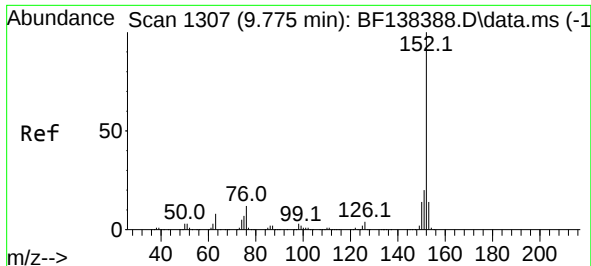
Ion Ratio Lower Upper

154 100

153 40.5 20.5 60.5

76 13.9 0.0 34.4





#49

Acenaphthylene

Concen: 3.771 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

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MW12-20240625

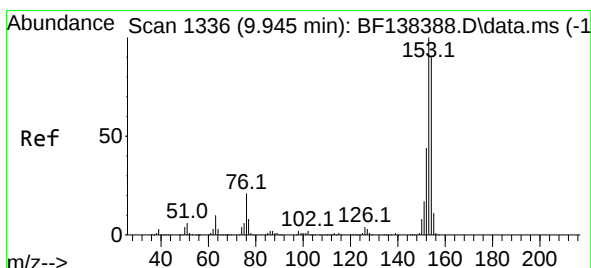
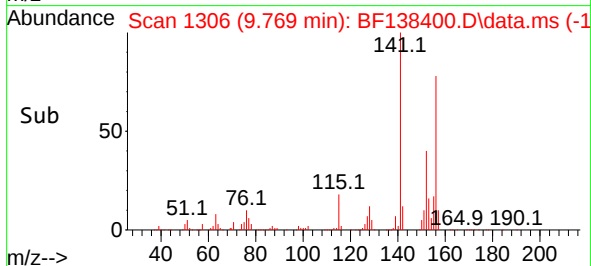
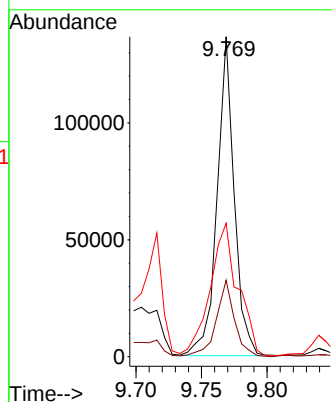
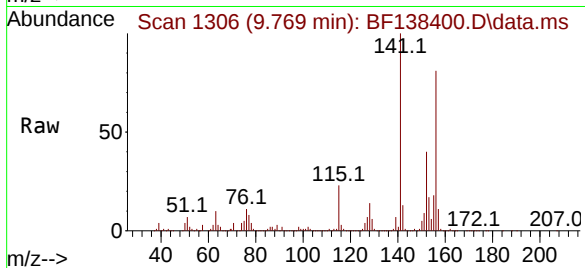
Tgt Ion:152 Resp: 124433

Ion Ratio Lower Upper

152 100

151 23.9 16.2 24.4

153 41.7 11.4 17.2#



#52

Acenaphthene

Concen: 49.670 ng

RT: 9.945 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

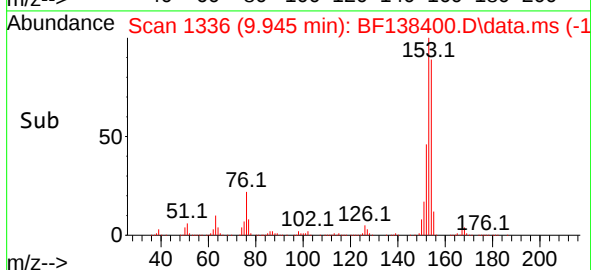
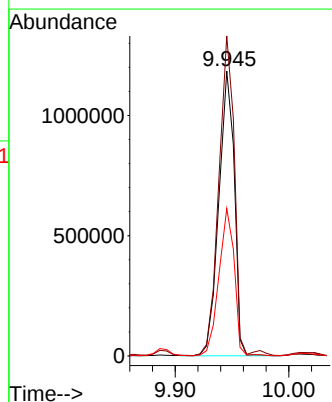
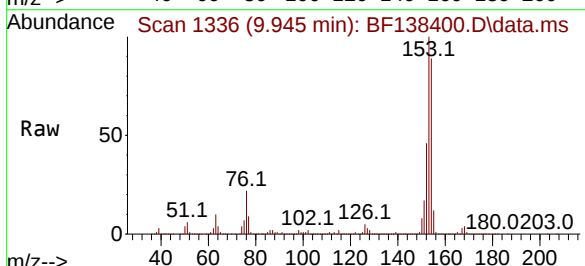
Tgt Ion:154 Resp: 1122267

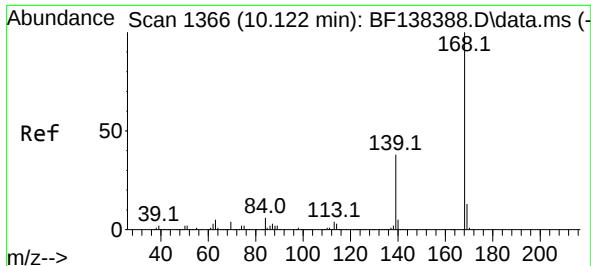
Ion Ratio Lower Upper

154 100

153 112.3 89.4 134.0

152 51.7 39.7 59.5





#55

Dibenzenofuran

Concen: 2.646 ng

RT: 10.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

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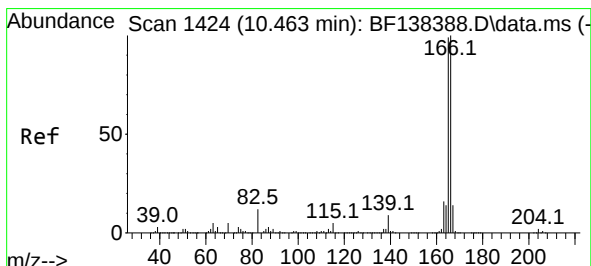
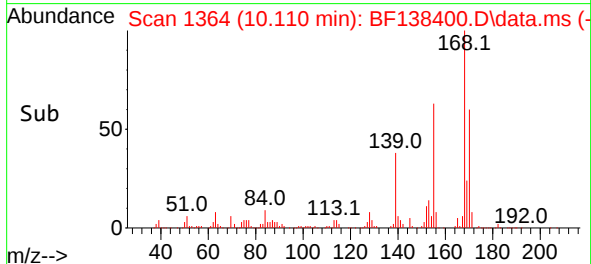
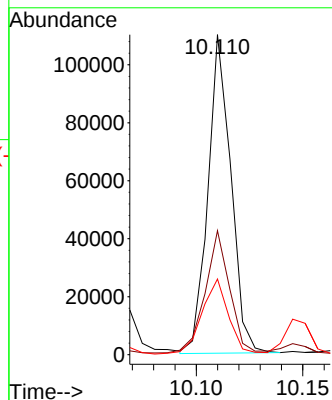
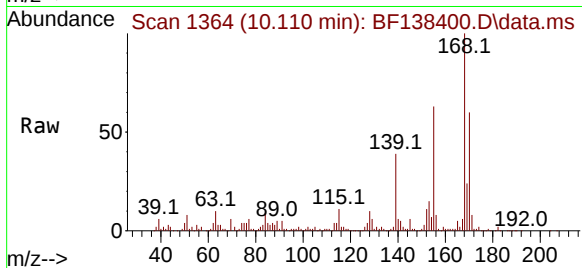
Tgt Ion:168 Resp: 82367

Ion Ratio Lower Upper

168 100

139 38.8 30.4 45.6

169 23.7 10.7 16.1#



#58

Fluorene

Concen: 22.241 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

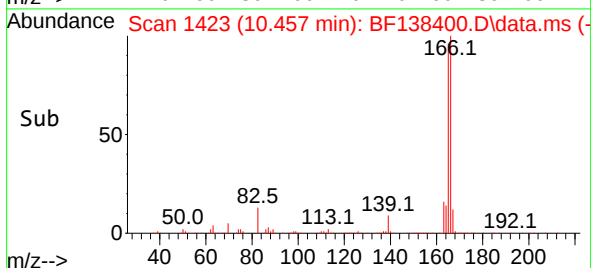
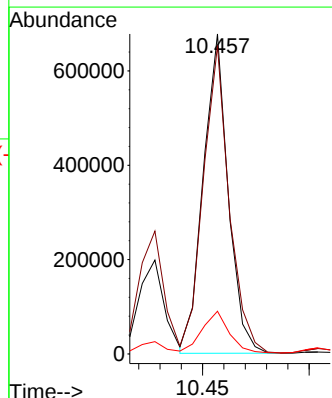
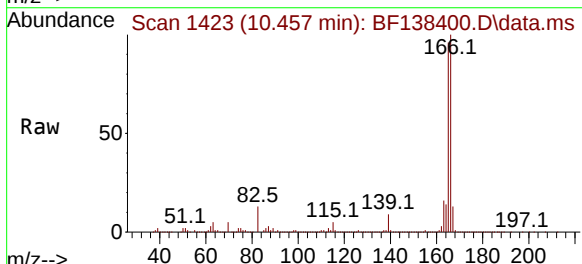
Tgt Ion:166 Resp: 550160

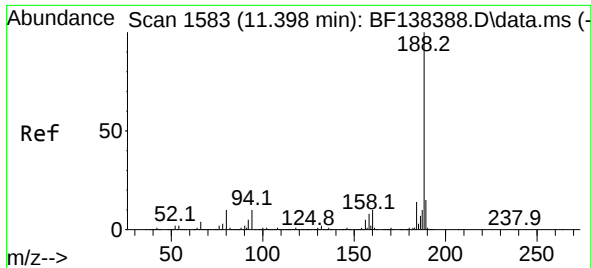
Ion Ratio Lower Upper

166 100

165 96.4 79.0 118.6

167 13.4 10.8 16.2

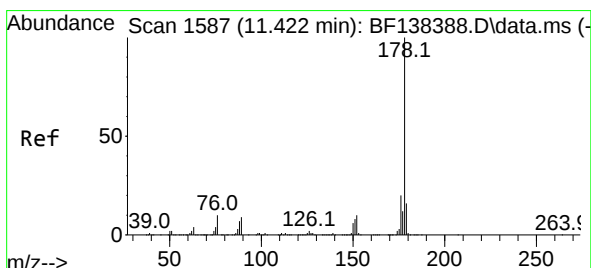
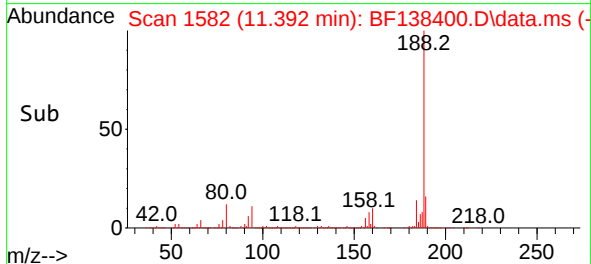
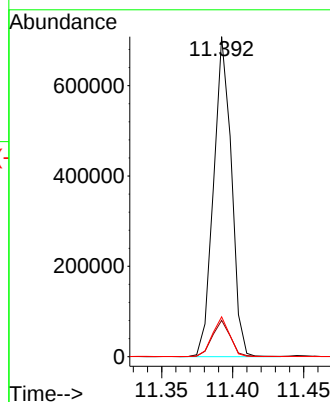
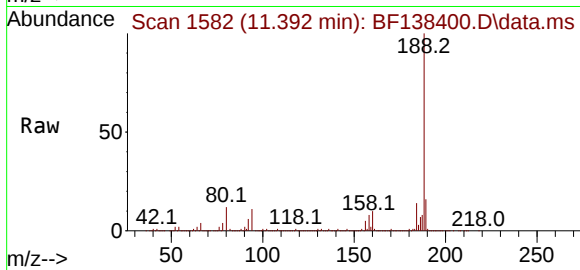




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

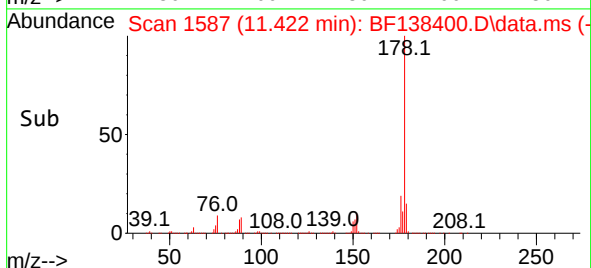
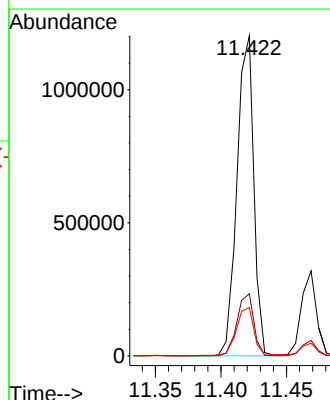
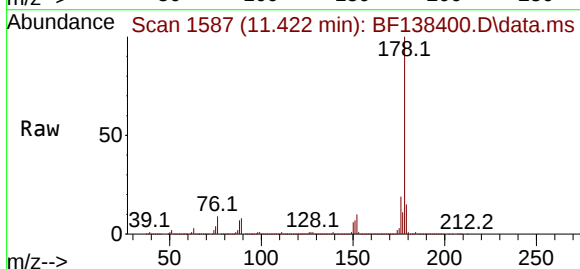
Instrument :
BNA_F
ClientSampleId :
MW12-20240625

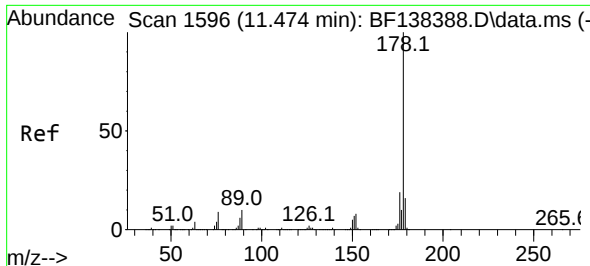
Tgt Ion:188 Resp: 617557
Ion Ratio Lower Upper
188 100
94 11.4 8.0 12.0
80 12.5 8.2 12.4#



#71
Phenanthrene
Concen: 35.638 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

Tgt Ion:178 Resp: 1074561
Ion Ratio Lower Upper
178 100
176 19.4 16.1 24.1
179 15.2 12.6 18.8

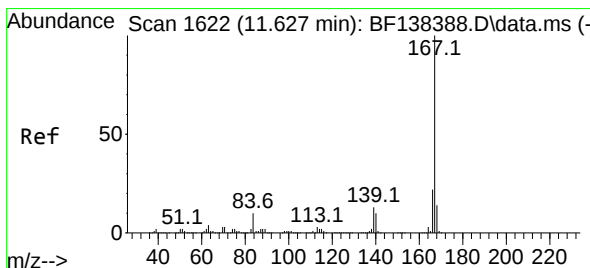
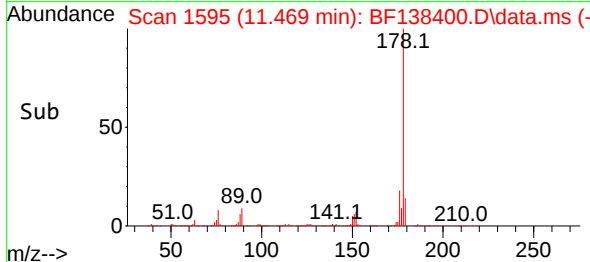
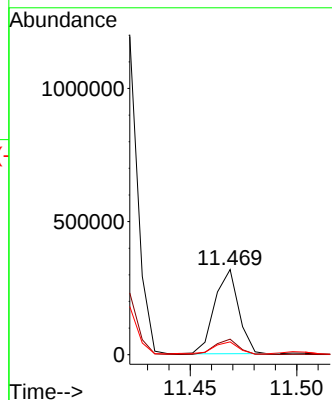
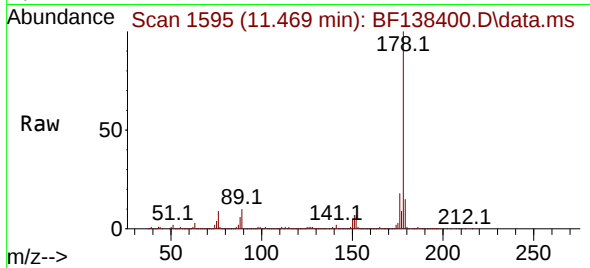




#72
 Anthracene
 Concen: 8.273 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF138400.D
 Acq: 01 Jul 2024 13:38

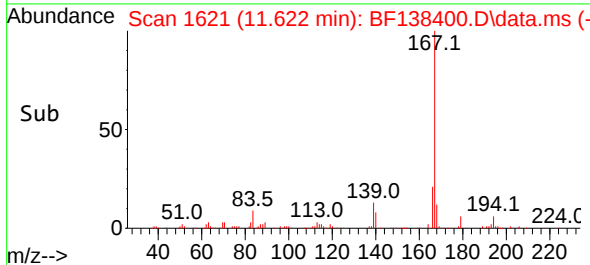
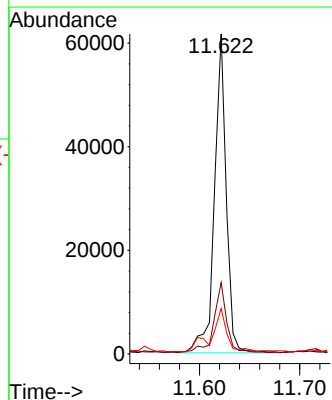
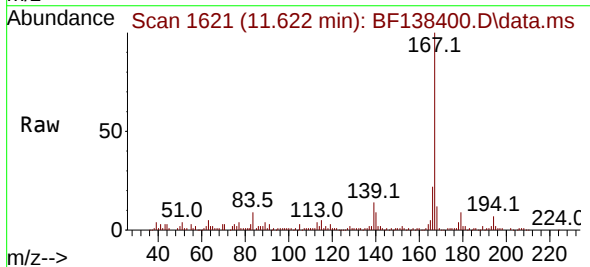
Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625

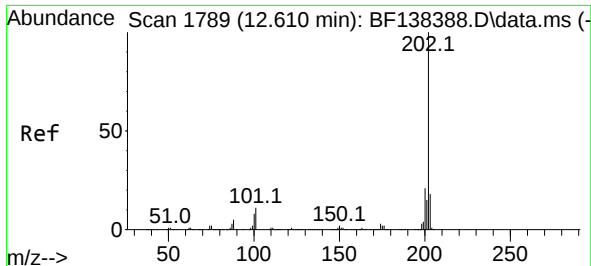
Tgt Ion:178 Resp: 248758
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 15.1 12.7 19.1



#73
 Carbazole
 Concen: 2.024 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF138400.D
 Acq: 01 Jul 2024 13:38

Tgt Ion:167 Resp: 50532
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 14.2 10.7 16.1

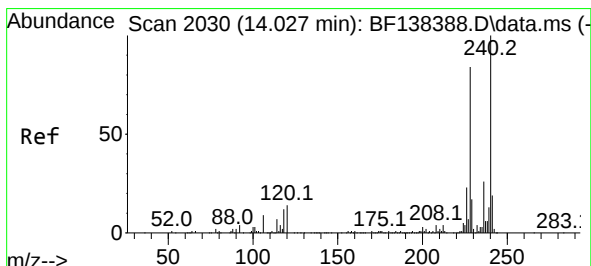
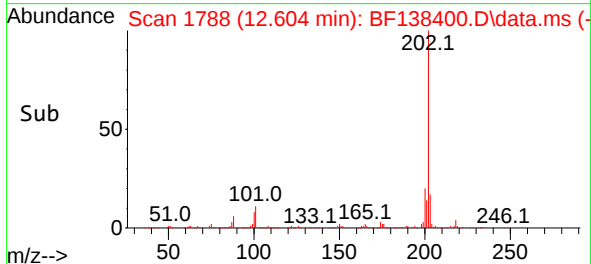
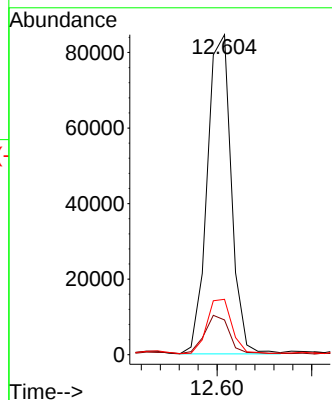
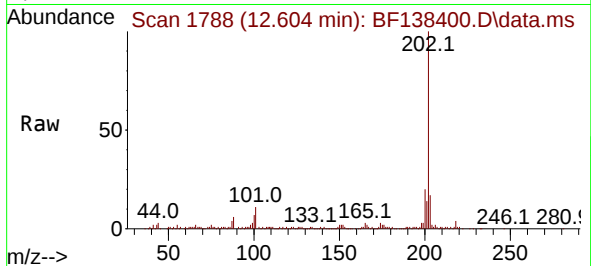




#75
Fluoranthene
Concen: 2.770 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

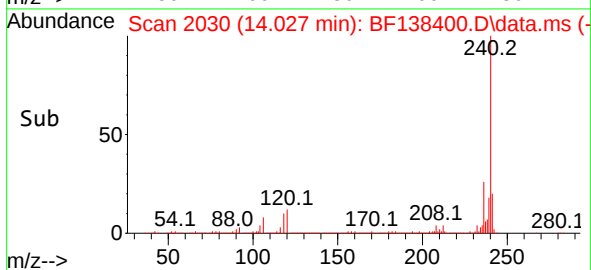
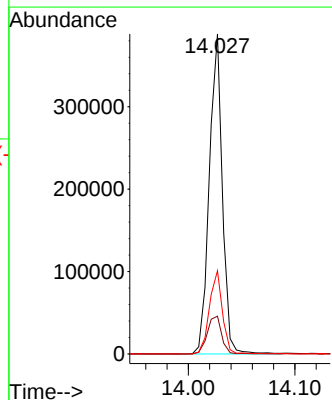
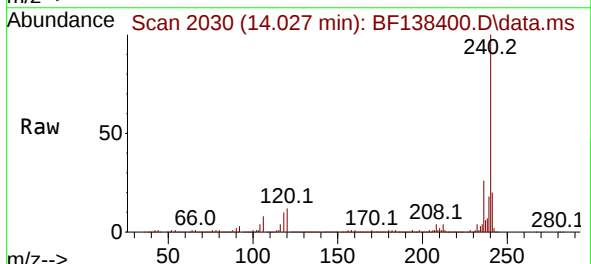
Instrument :
BNA_F
ClientSampleId :
MW12-20240625

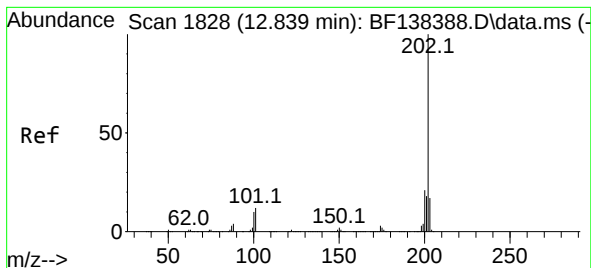
Tgt Ion:	202	Resp:	74890
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.5
203	17.3	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138400.D
Acq: 01 Jul 2024 13:38

Tgt Ion:	240	Resp:	331483
Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.9	16.3
236	26.0	20.6	30.8





#78

Pyrene

Concen: 3.762 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

Instrument :

BNA_F

ClientSampleId :

MW12-20240625

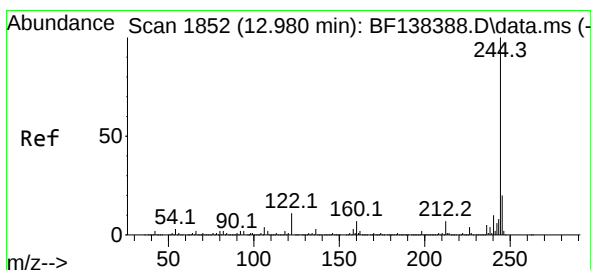
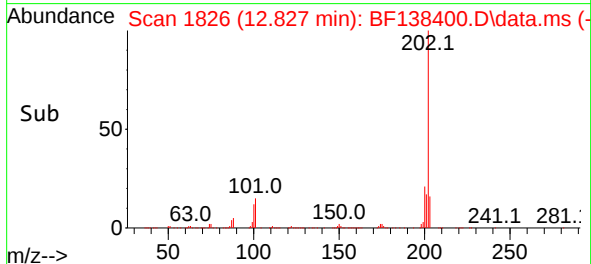
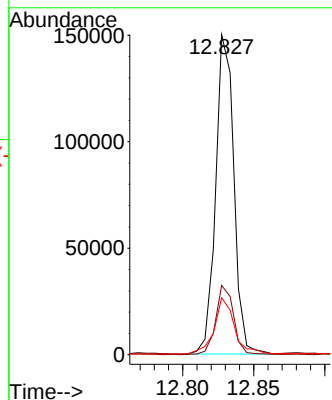
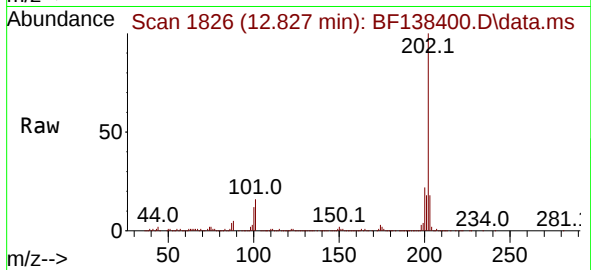
Tgt Ion:202 Resp: 133298

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 17.8 13.8 20.8



#79

Terphenyl-d14

Concen: 56.401 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138400.D

Acq: 01 Jul 2024 13:38

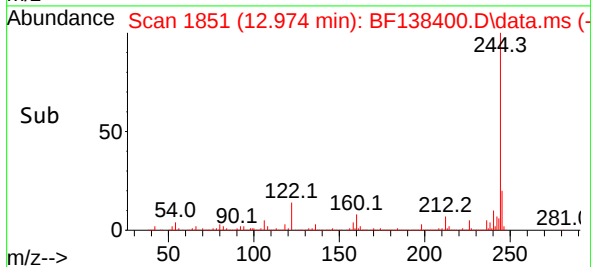
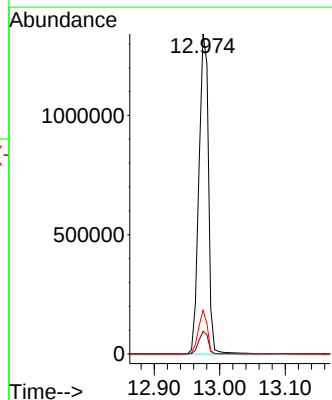
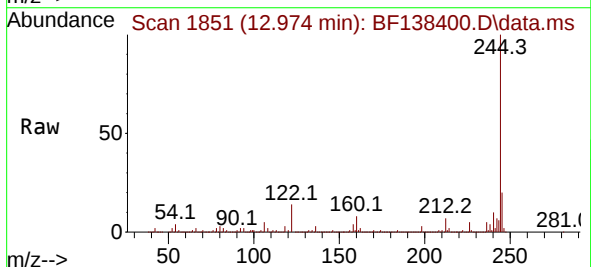
Tgt Ion:244 Resp: 1364241

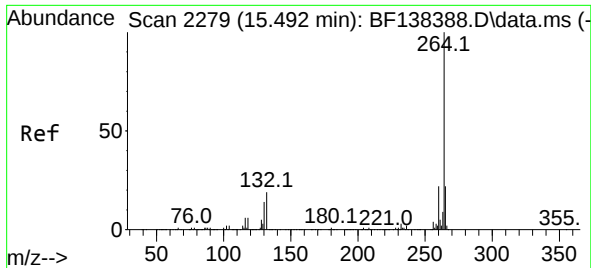
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

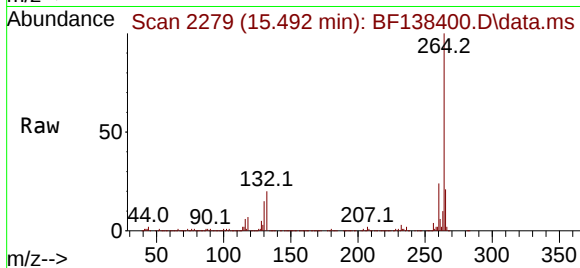
122 13.6 9.0 13.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138400.D
 Acq: 01 Jul 2024 13:38

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20240625



Tgt Ion:264 Resp: 287648
 Ion Ratio Lower Upper
 264 100
 260 24.5 17.8 26.6
 265 21.5 17.5 26.3

