

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120424\
 Data File : BF140738.D
 Acq On : 04 Dec 2024 20:23
 Operator : RC/JU
 Sample : P5072-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-737

Quant Time: Dec 05 00:07:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

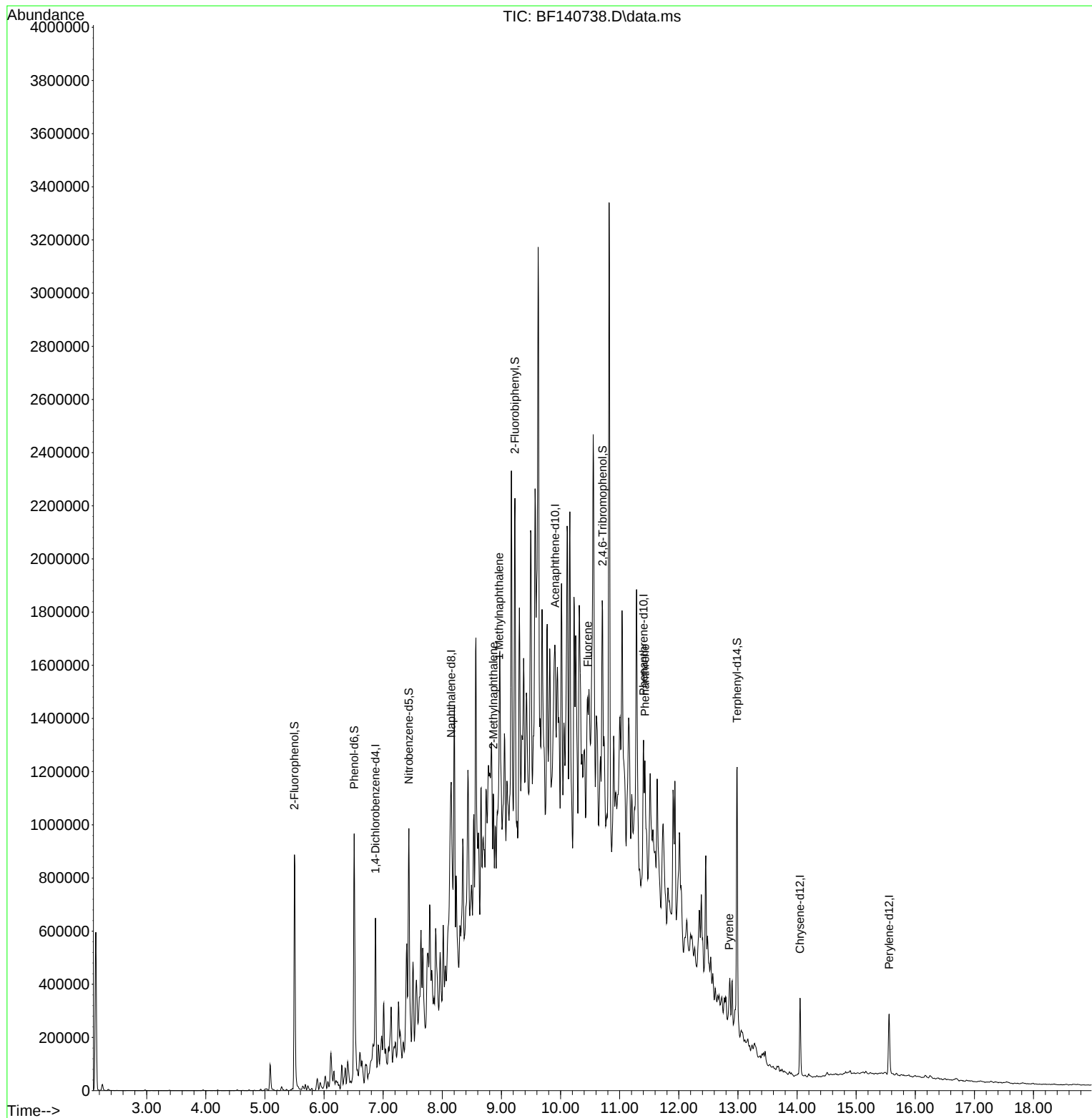
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	71540	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	256692	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	140258	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	241314	20.000	ng	0.00
76) Chrysene-d12	14.051	240	141562	20.000	ng	0.00
86) Perylene-d12	15.557	264	142101	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	368479	87.881	ng	0.00
7) Phenol-d6	6.510	99	480569	86.696	ng	0.00
23) Nitrobenzene-d5	7.434	82	298590	59.499	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	124713	83.138	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	566914	60.223	ng	0.00
79) Terphenyl-d14	12.986	244	497908	54.768	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.863	142	156938	18.688	ng	99
38) 1-Methylnaphthalene	8.963	142	139920	16.998	ng	97
58) Fluorene	10.463	166	64751	6.943	ng	# 74
71) Phenanthrene	11.428	178	250141	21.564	ng	# 95
78) Pyrene	12.851	202	40139	3.067	ng	# 82

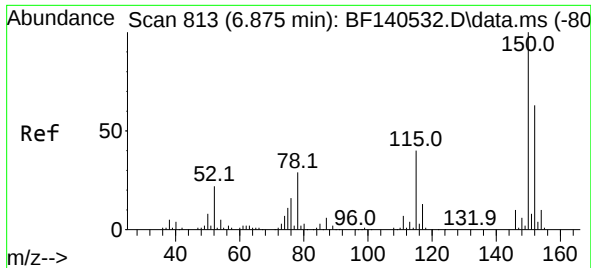
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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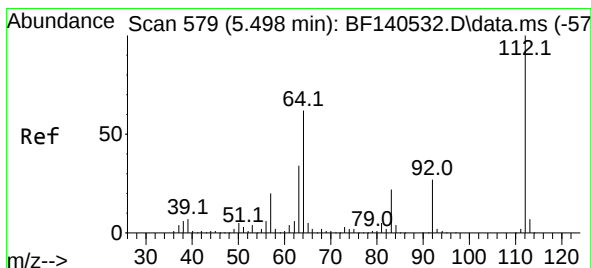
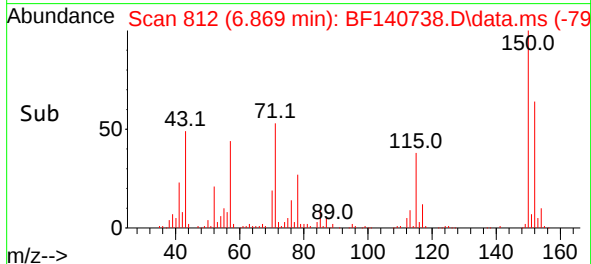
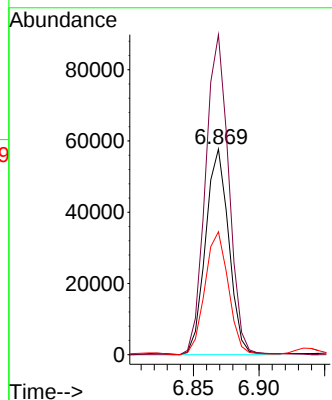
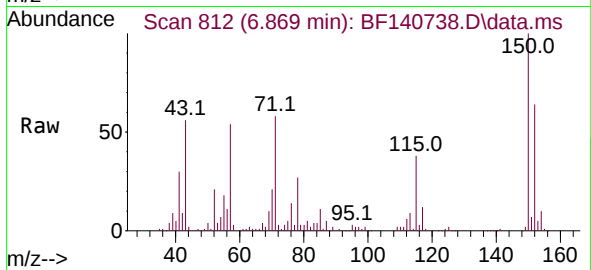




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

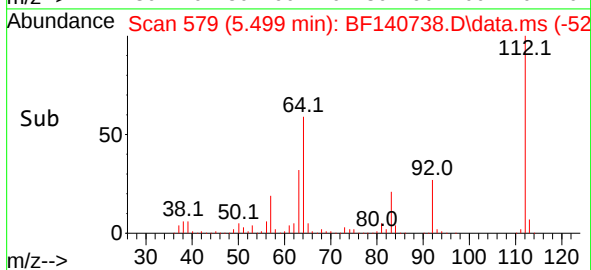
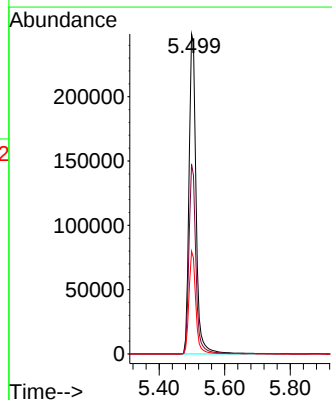
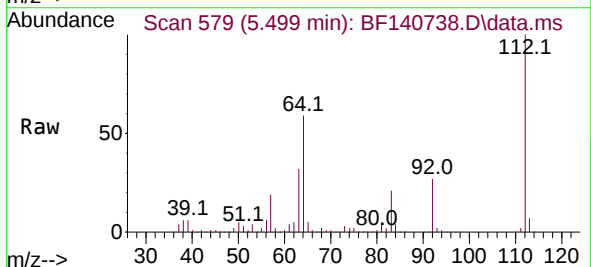
Instrument :
BNA_F
ClientSampleId :
MH-737

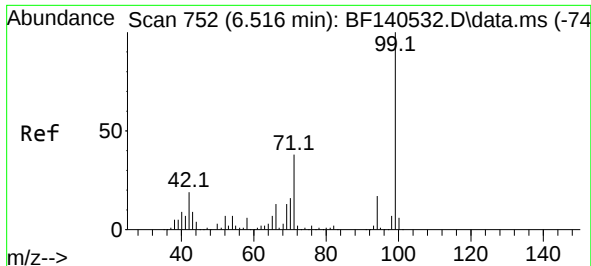
Tgt Ion:152 Resp: 71540
Ion Ratio Lower Upper
152 100
150 155.6 128.5 192.7
115 59.7 50.2 75.4



#5
2-Fluorophenol
Concen: 87.881 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:112 Resp: 368479
Ion Ratio Lower Upper
112 100
64 59.4 49.2 73.8
63 32.1 27.0 40.4

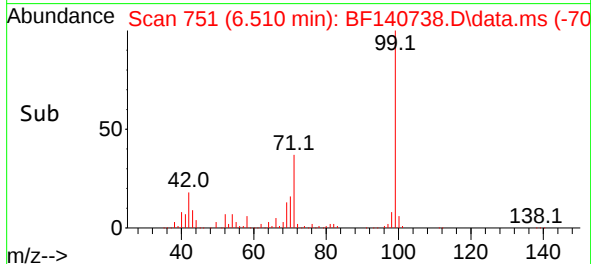
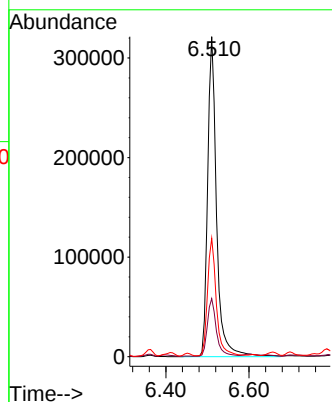
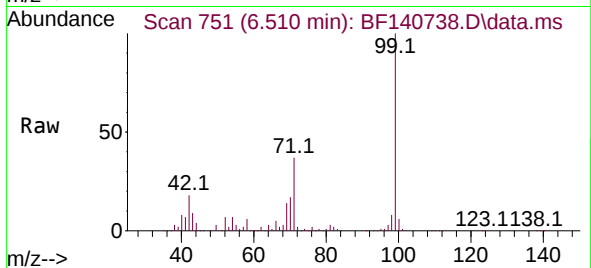




#7
Phenol-d6
Concen: 86.696 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

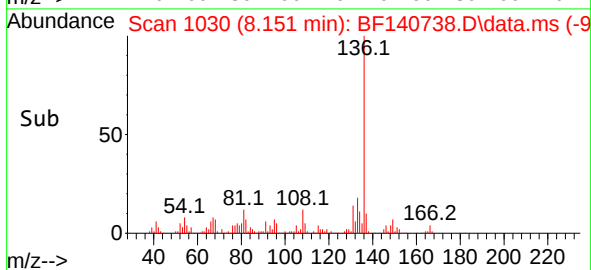
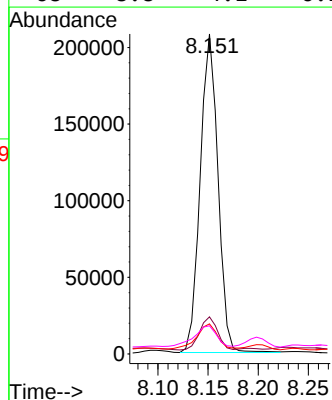
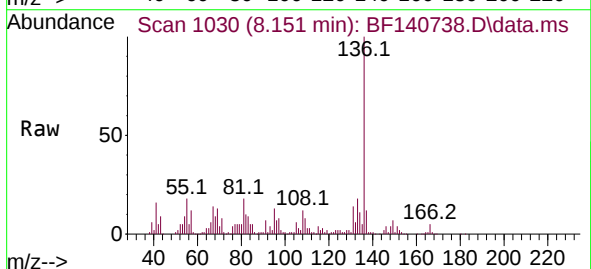
Instrument :
BNA_F
ClientSampleId :
MH-737

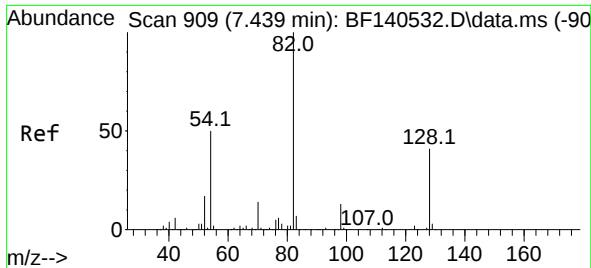
Tgt Ion: 99 Resp: 480569
Ion Ratio Lower Upper
99 100
42 18.2 15.4 23.0
71 37.0 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion: 136 Resp: 256692
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.4 5.8 8.8#
68 8.8 4.1 6.1#

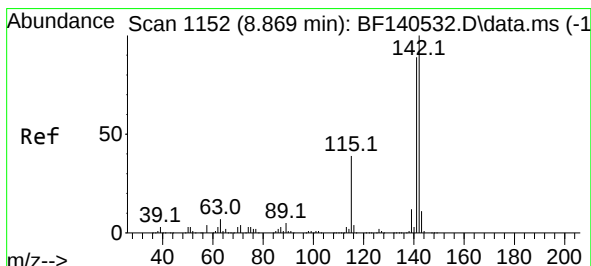
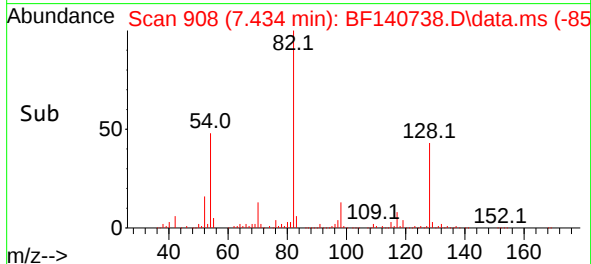
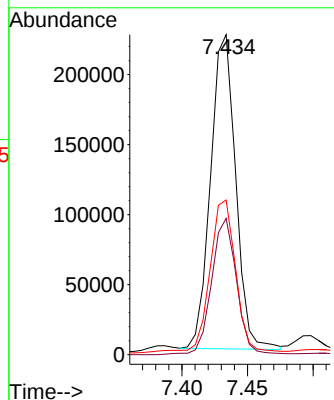
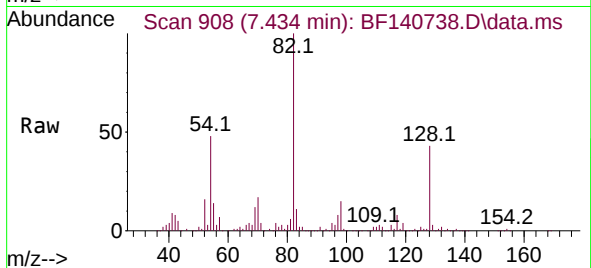




#23
Nitrobenzene-d5
Concen: 59.499 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

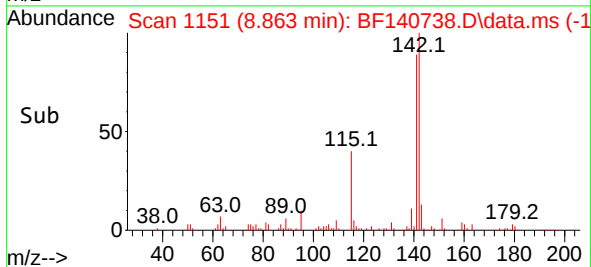
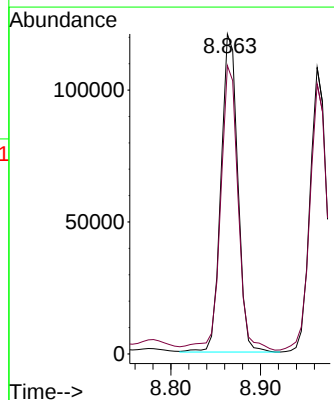
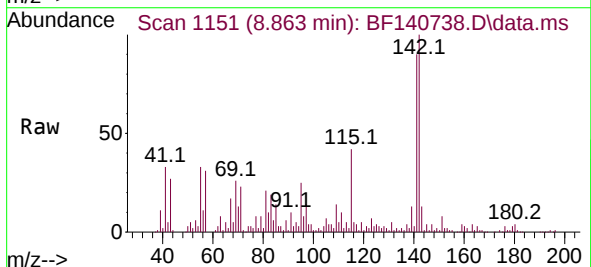
Instrument :
BNA_F
ClientSampleId :
MH-737

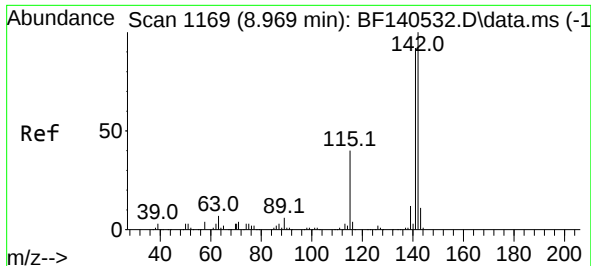
Tgt Ion: 82 Resp: 298590
Ion Ratio Lower Upper
82 100
128 42.6 33.0 49.4
54 48.4 39.5 59.3



#37
2-Methylnaphthalene
Concen: 18.688 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion: 142 Resp: 156938
Ion Ratio Lower Upper
142 100
141 90.1 71.0 106.6

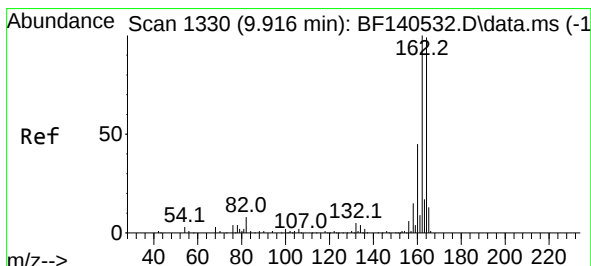
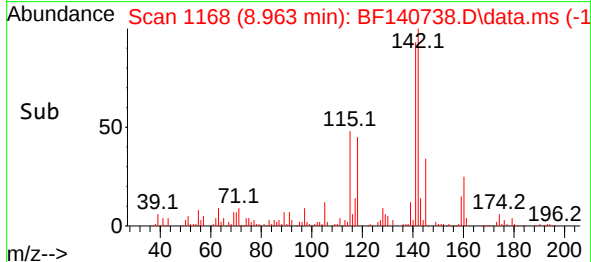
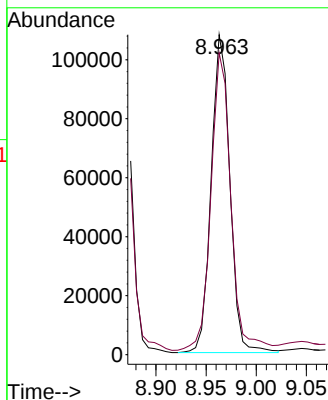
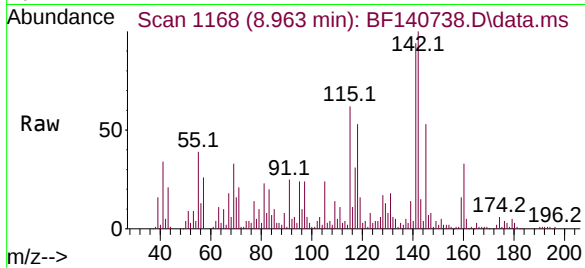




#38
1-Methylnaphthalene
Concen: 16.998 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

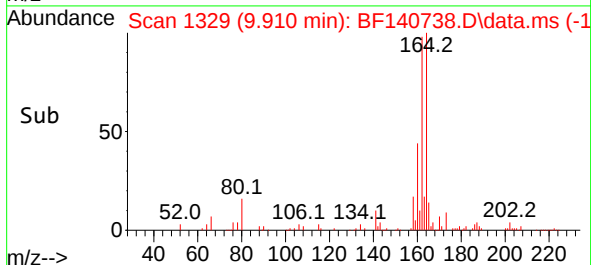
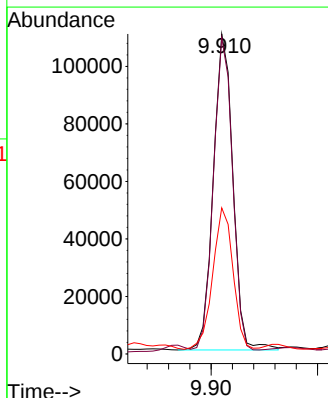
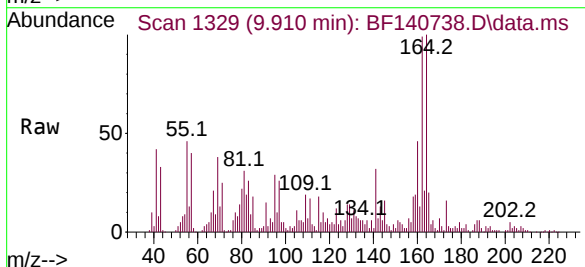
Instrument :
BNA_F
ClientSampleId :
MH-737

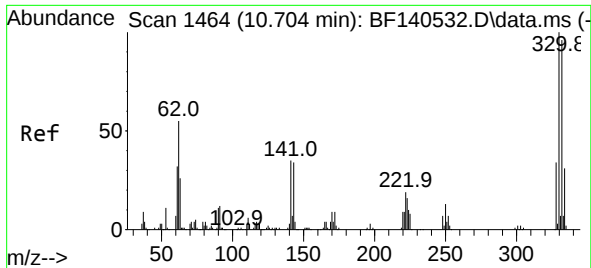
Tgt Ion:142 Resp: 139920
Ion Ratio Lower Upper
142 100
141 94.3 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:164 Resp: 140258
Ion Ratio Lower Upper
164 100
162 98.8 80.6 120.8
160 45.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 83.138 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

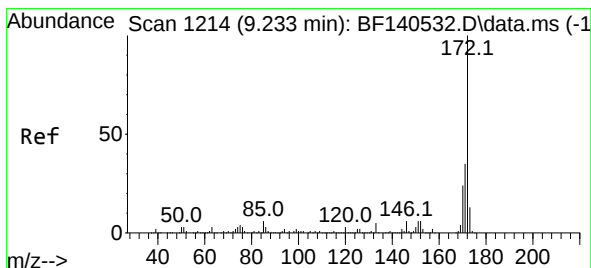
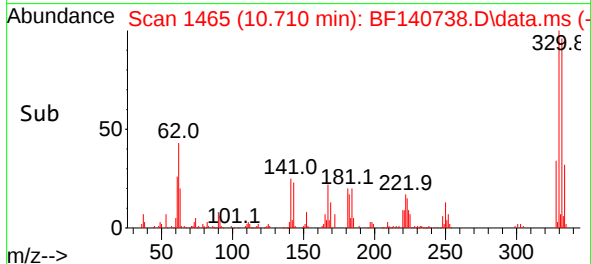
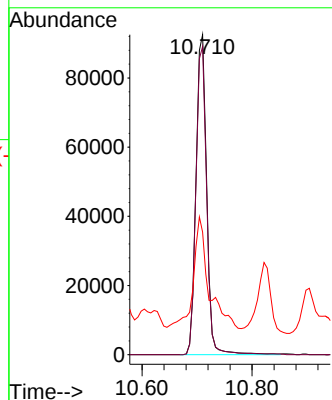
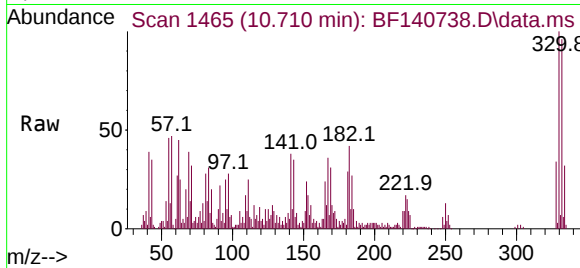
Tgt Ion:330 Resp: 124713

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 50.3 26.7 40.1#



#45

2-Fluorobiphenyl

Concen: 60.223 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

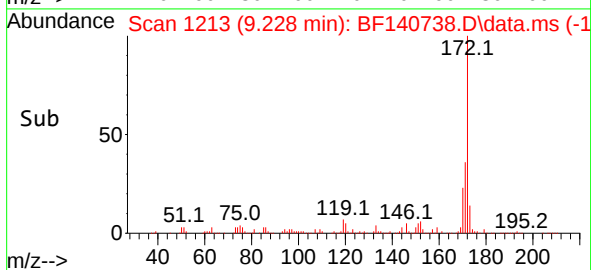
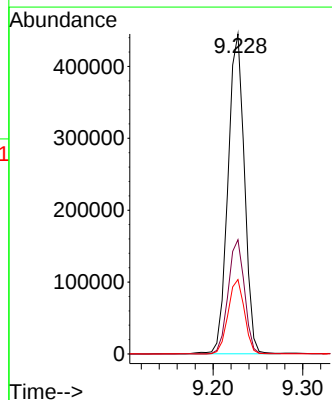
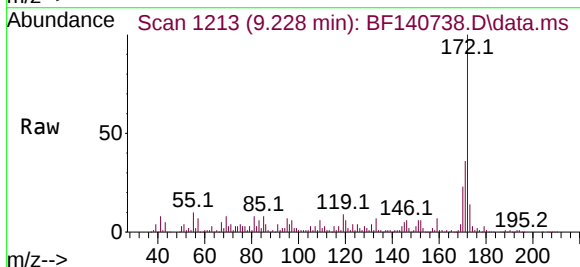
Tgt Ion:172 Resp: 566914

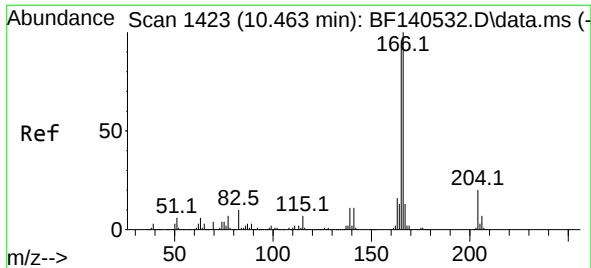
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.2 19.0 28.6

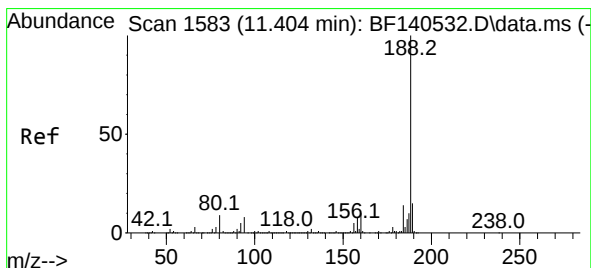
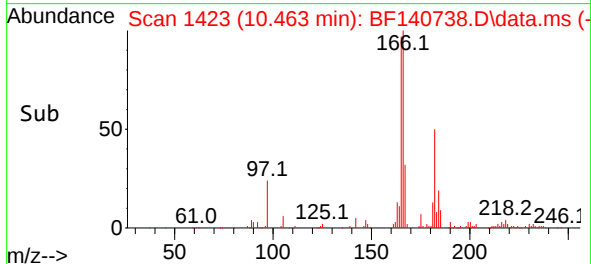
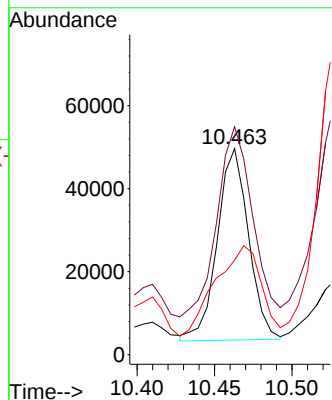
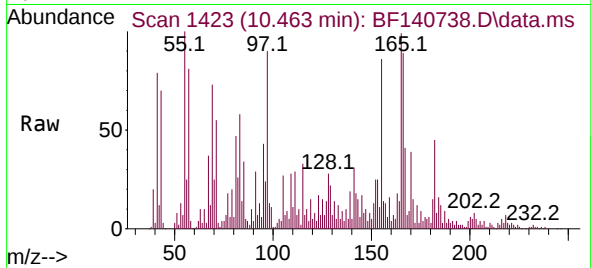




#58
Fluorene
Concen: 6.943 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

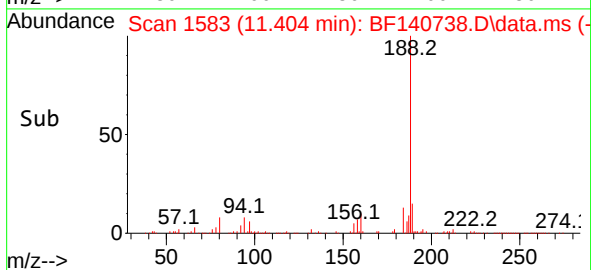
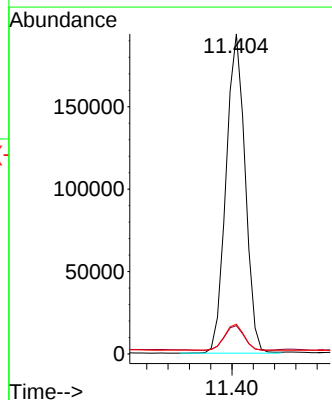
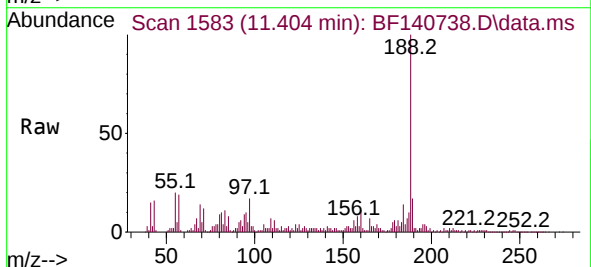
Instrument :
BNA_F
ClientSampleId :
MH-737

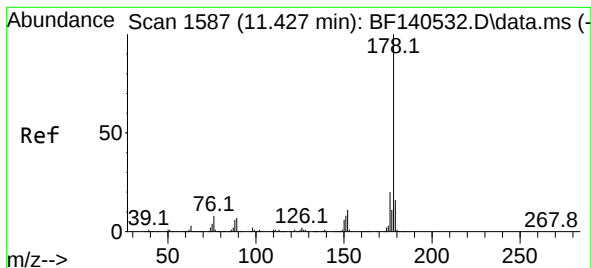
Tgt Ion:166 Resp: 64751
Ion Ratio Lower Upper
166 100
165 110.6 74.6 111.8
167 45.9 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140738.D
Acq: 04 Dec 2024 20:23

Tgt Ion:188 Resp: 241314
Ion Ratio Lower Upper
188 100
94 8.9 6.4 9.6
80 9.3 6.9 10.3





#71

Phenanthrene

Concen: 21.564 ng

RT: 11.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

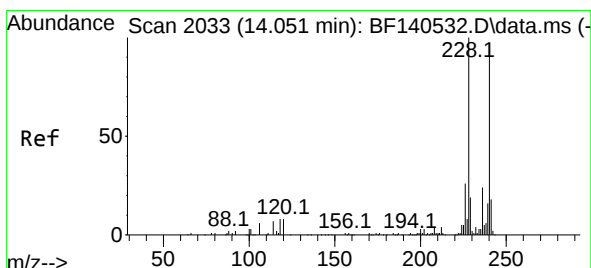
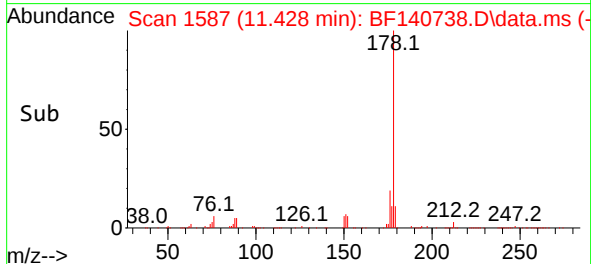
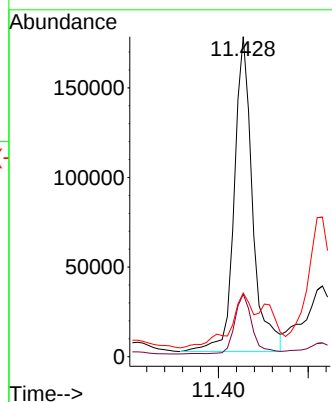
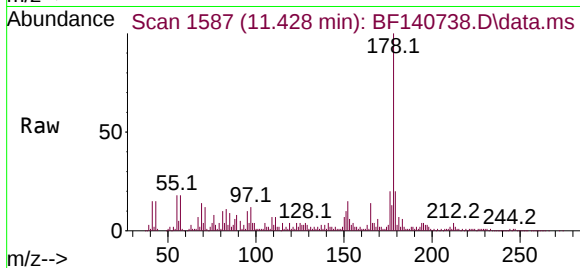
Tgt Ion:178 Resp: 250141

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 19.9 12.4 18.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

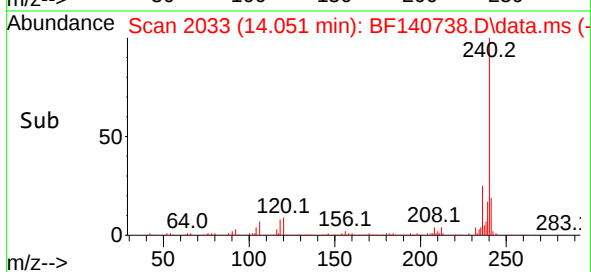
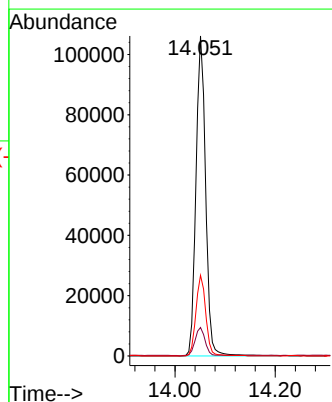
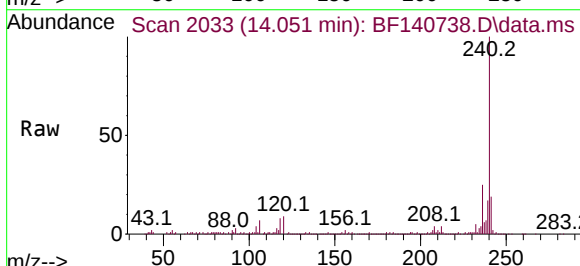
Tgt Ion:240 Resp: 141562

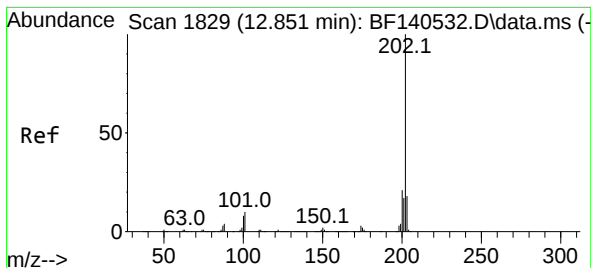
Ion Ratio Lower Upper

240 100

120 8.9 7.3 10.9

236 25.2 20.6 31.0





#78

Pyrene

Concen: 3.067 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

Instrument :

BNA_F

ClientSampleId :

MH-737

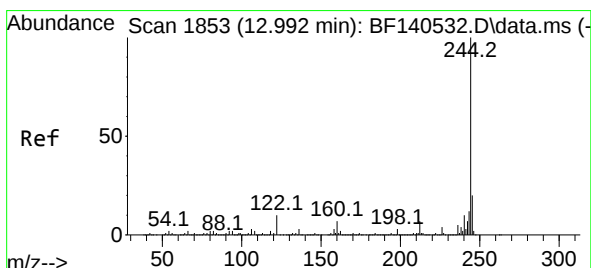
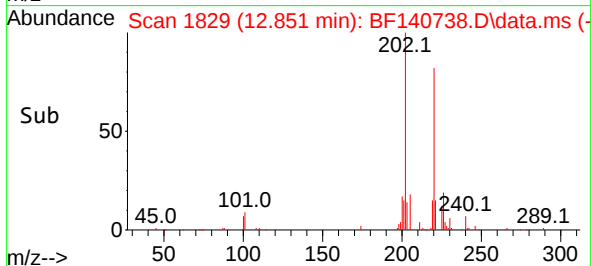
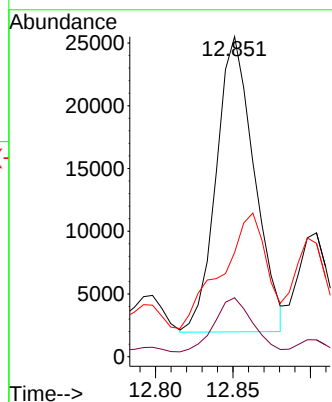
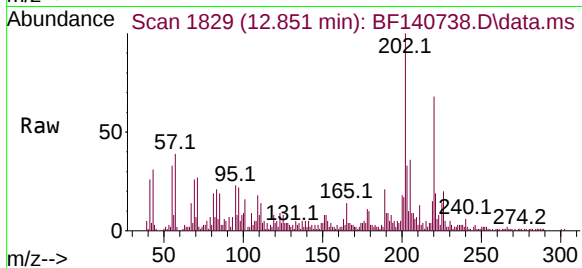
Tgt Ion:202 Resp: 40139

Ion Ratio Lower Upper

202 100

200 18.4 16.5 24.7

203 32.6 14.2 21.4#



#79

Terphenyl-d14

Concen: 54.768 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140738.D

Acq: 04 Dec 2024 20:23

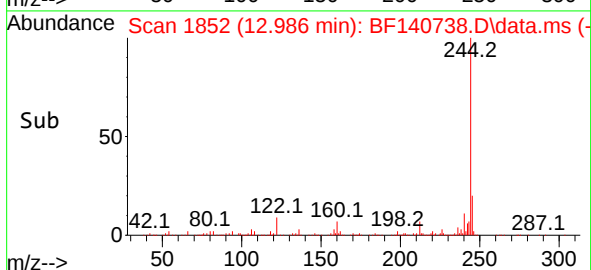
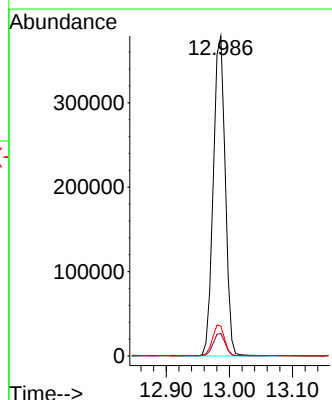
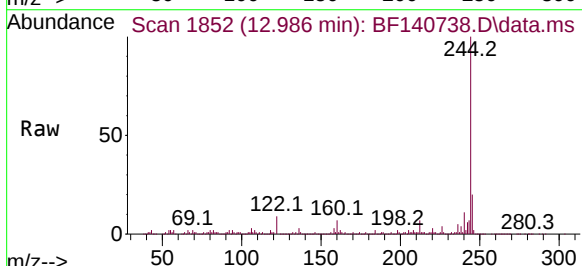
Tgt Ion:244 Resp: 497908

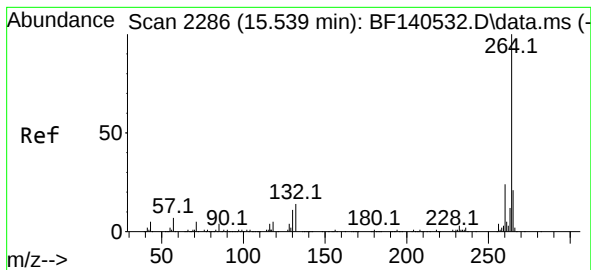
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.3 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF140738.D
 Acq: 04 Dec 2024 20:23

Instrument :
 BNA_F
 ClientSampleId :
 MH-737

Tgt Ion:264 Resp: 142101
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.8 16.6 25.0

