

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050924\
 Data File : BF137871.D
 Acq On : 09 May 2024 18:59
 Operator : CG\JU
 Sample : P2413-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-EE

Quant Time: May 10 01:14:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

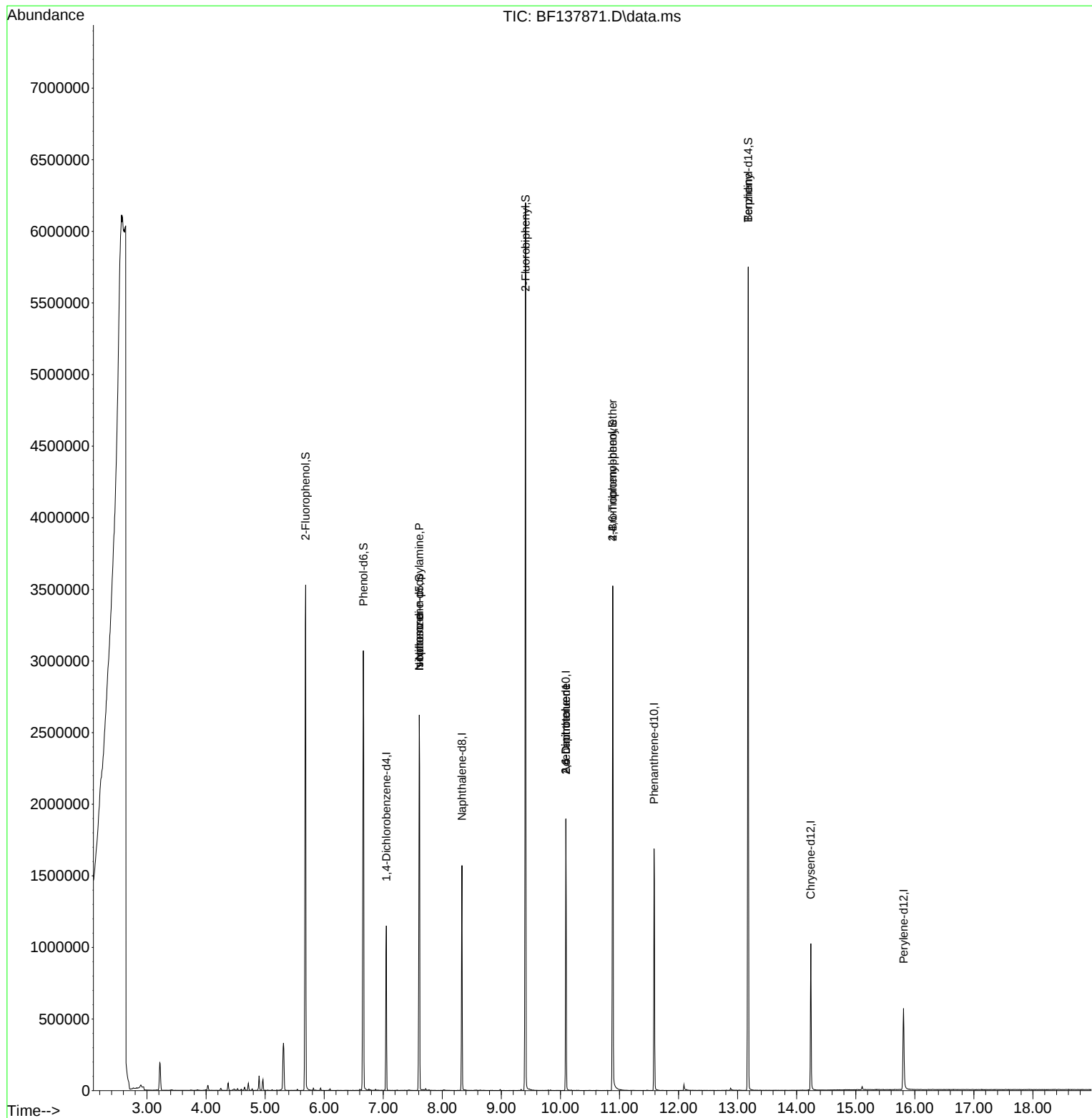
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.051	152	167154	20.000	ng	0.00
21) Naphthalene-d8	8.334	136	661363	20.000	ng	-0.01
39) Acenaphthene-d10	10.092	164	377282	20.000	ng	-0.02
64) Phenanthrene-d10	11.586	188	625158	20.000	ng	-0.01
76) Chrysene-d12	14.239	240	346490	20.000	ng	-0.01
86) Perylene-d12	15.810	264	298791	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1116977	111.881	ng	0.01
7) Phenol-d6	6.663	99	1297020	102.424	ng	-0.01
23) Nitrobenzene-d5	7.610	82	928376	81.554	ng	-0.01
42) 2,4,6-Tribromophenol	10.886	330	483356	125.477	ng	-0.01
45) 2-Fluorobiphenyl	9.410	172	1916972	82.432	ng	-0.01
79) Terphenyl-d14	13.180	244	2031218	98.244	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.610	70	122324	16.164	ng	# 77
25) Isophorone	7.610	82	928356	45.231	ng	# 64
51) 2,6-Dinitrotoluene	10.092	165	48138	8.844	ng	# 27
57) 2,4-Dinitrotoluene	10.092	165	48138	6.770	ng	# 27
67) 4-Bromophenyl-phenylether	10.886	248	30742	4.595	ng	# 1
77) Benzidine	13.180	184	24925	3.110	ng	# 93

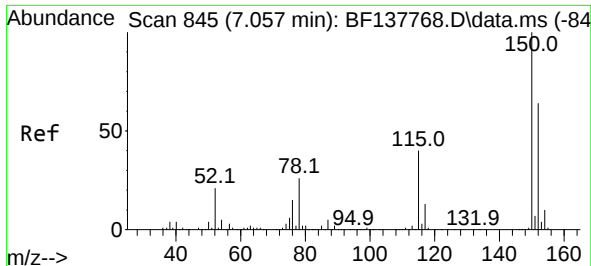
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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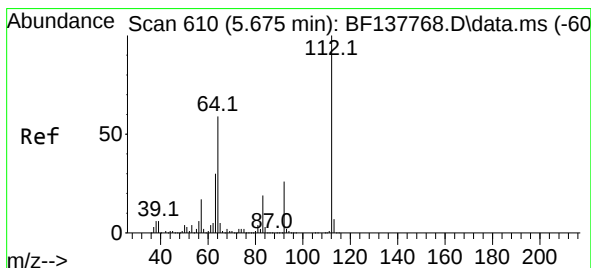
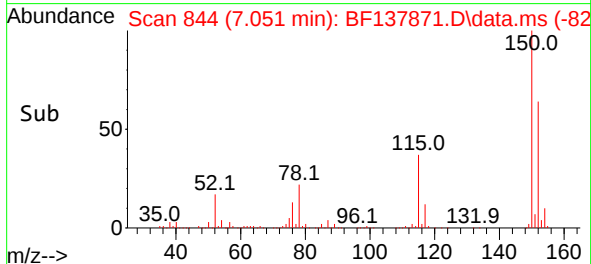
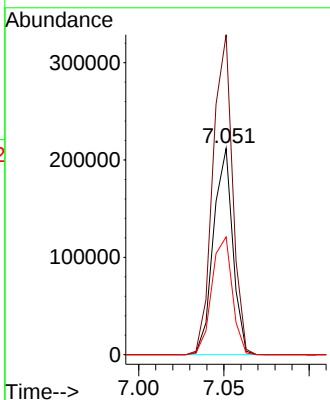
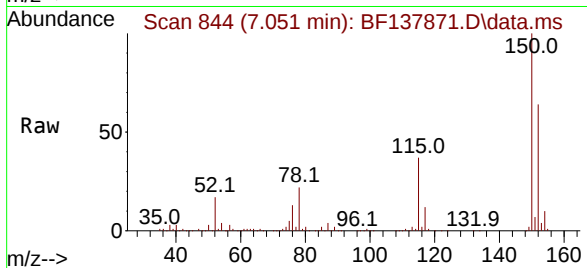




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

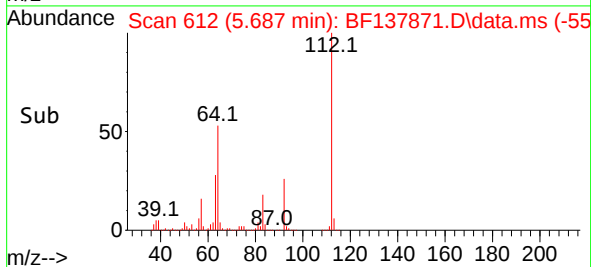
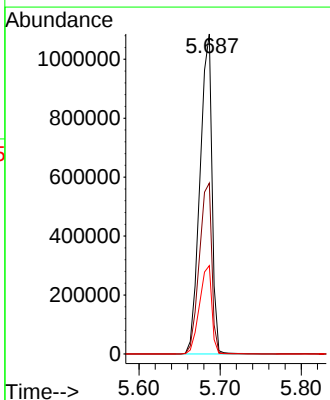
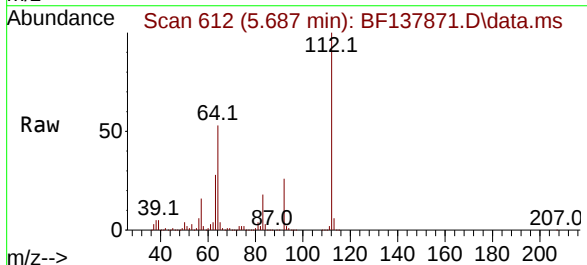
Instrument :
BNA_F
ClientSampleId :
WC-EE

Tgt Ion:152 Resp: 167154
Ion Ratio Lower Upper
152 100
150 155.1 124.1 186.1
115 57.1 49.1 73.7



#5
2-Fluorophenol
Concen: 111.881 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.012 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Tgt Ion:112 Resp: 1116977
Ion Ratio Lower Upper
112 100
64 53.4 47.3 70.9
63 27.6 23.7 35.5

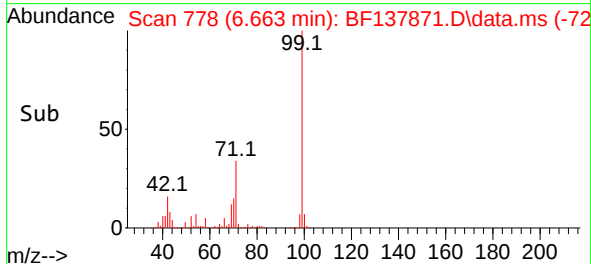
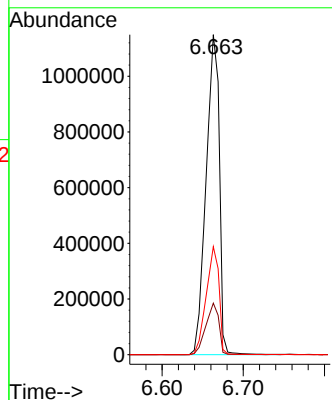
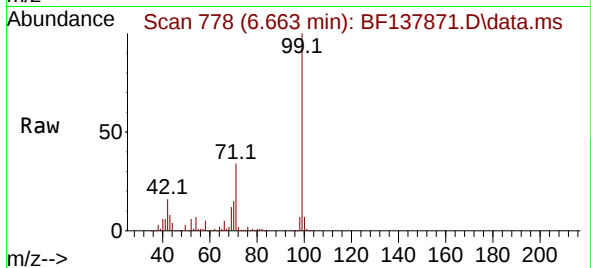




#7
Phenol-d6
Concen: 102.424 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

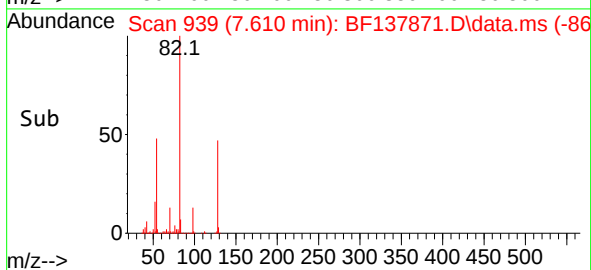
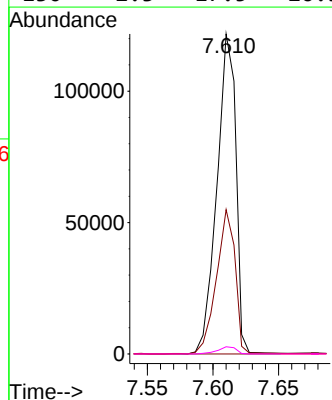
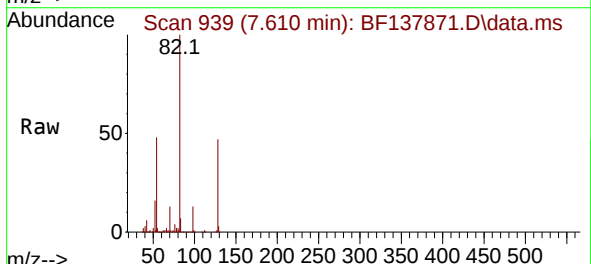
Instrument :
BNA_F
ClientSampleId :
WC-EE

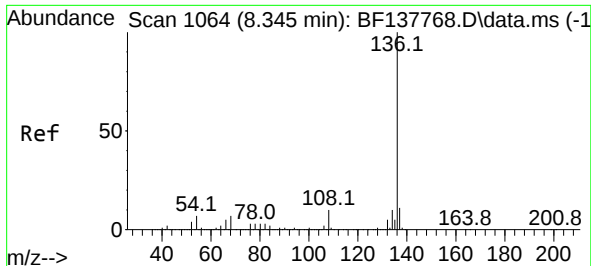
Tgt Ion: 99 Resp: 1297020
Ion Ratio Lower Upper
99 100
42 16.1 13.2 19.8
71 33.7 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.164 ng
RT: 7.610 min Scan# 939
Delta R.T. 0.147 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Tgt Ion: 70 Resp: 122324
Ion Ratio Lower Upper
70 100
42 45.1 44.6 66.8
101 0.0 7.8 11.6#
130 2.3 17.5 26.3#



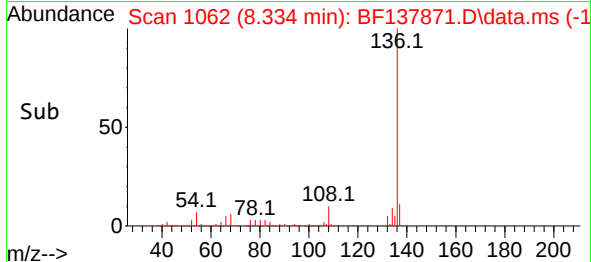
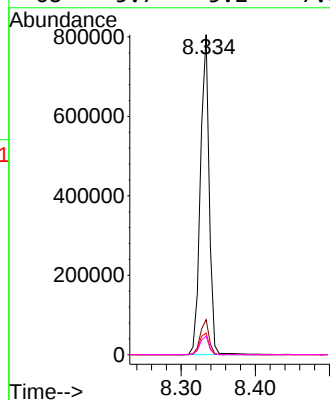
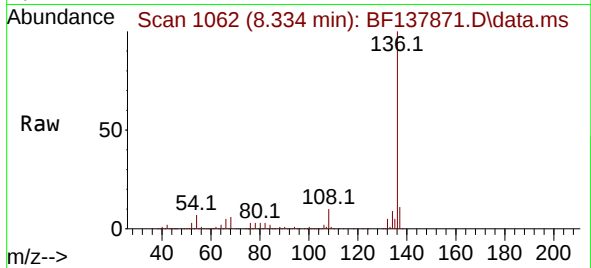


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.334 min Scan# 1062
Delta R.T. -0.012 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Instrument :
BNA_F
ClientSampleId :
WC-EE

Tgt Ion:136 Resp: 661363

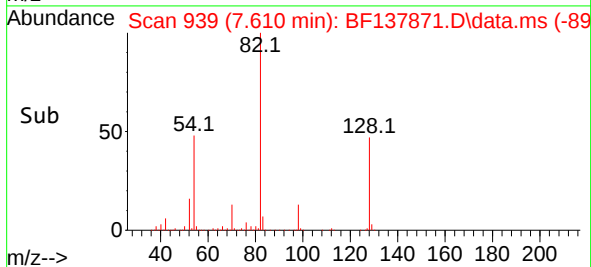
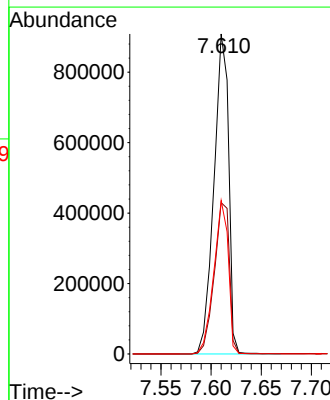
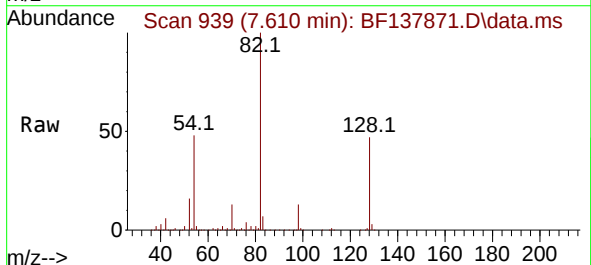
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.8	5.8	8.8
68	5.7	5.2	7.8



#23
Nitrobenzene-d5
Concen: 81.554 ng
RT: 7.610 min Scan# 939
Delta R.T. -0.012 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Tgt Ion: 82 Resp: 928376

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.5	56.3
54	47.9	39.8	59.6

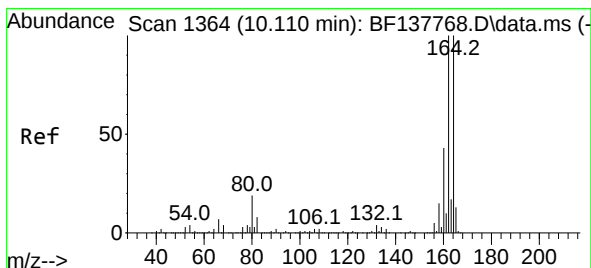
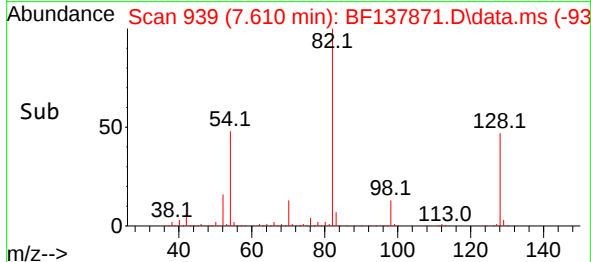
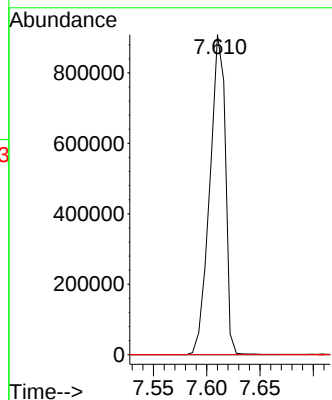
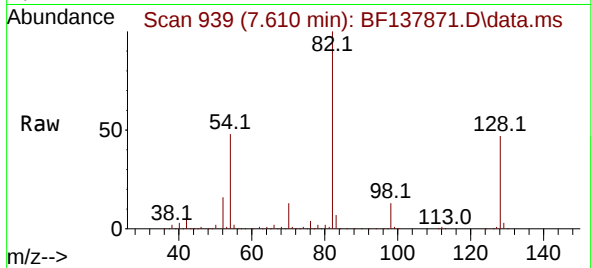




#25
Isophorone
Concen: 45.231 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

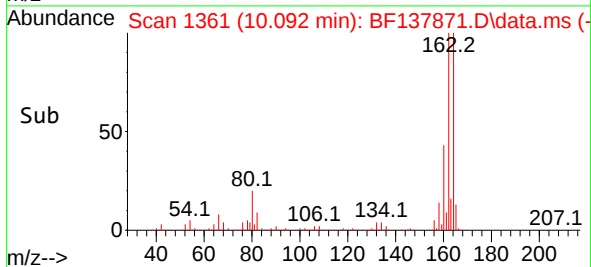
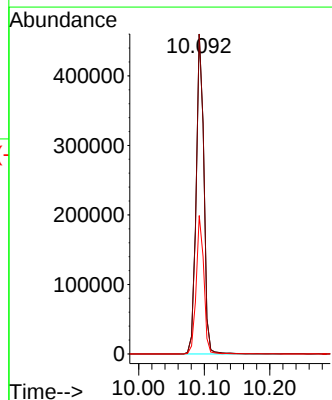
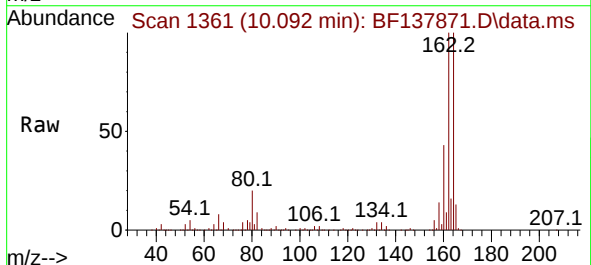
Instrument :
BNA_F
ClientSampleId :
WC-EE

Tgt Ion: 82 Resp: 928356
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.018 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Tgt Ion:164 Resp: 377282
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.6
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 125.477 ng

RT: 10.886 min Scan# 1498

Delta R.T. -0.012 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

Instrument :

BNA_F

ClientSampleId :

WC-EE

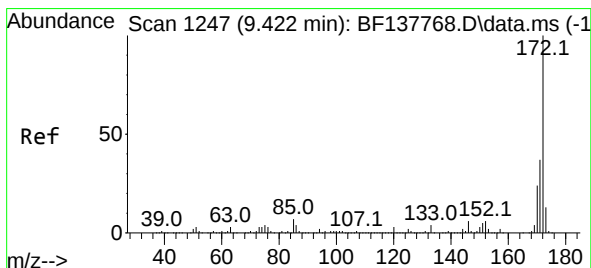
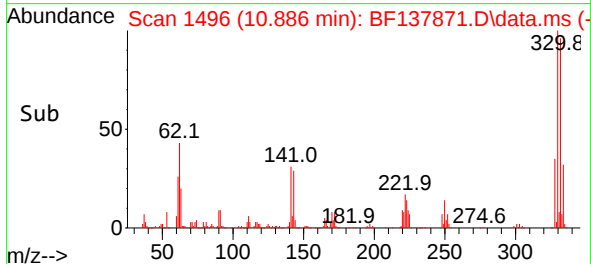
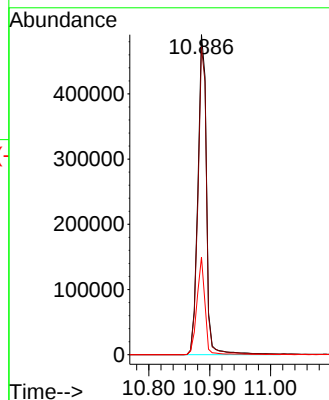
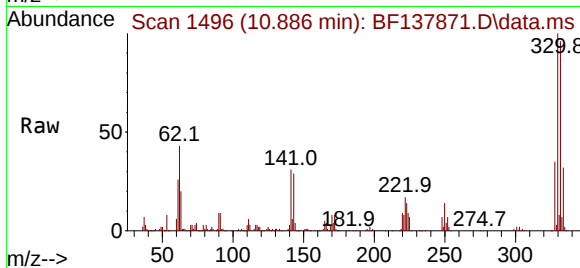
Tgt Ion:330 Resp: 483356

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 28.5 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 82.432 ng

RT: 9.410 min Scan# 1245

Delta R.T. -0.012 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

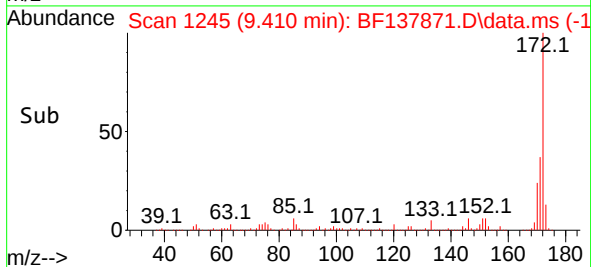
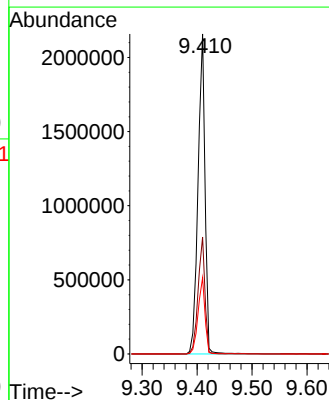
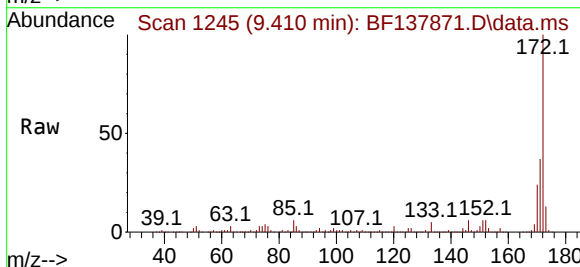
Tgt Ion:172 Resp: 1916972

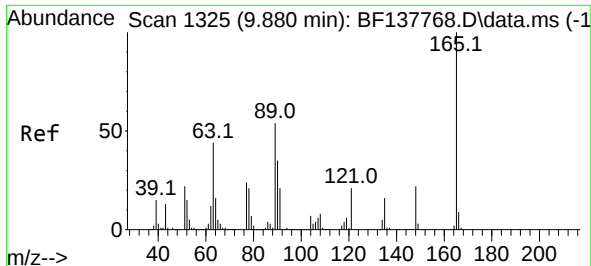
Ion Ratio Lower Upper

172 100

171 36.6 29.6 44.4

170 23.8 19.4 29.2

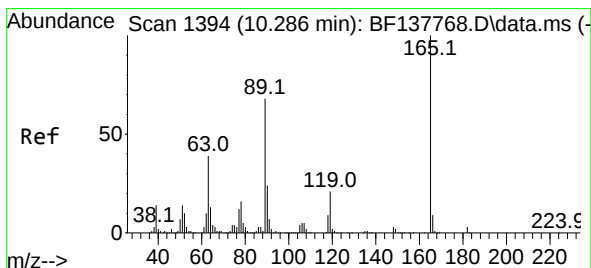
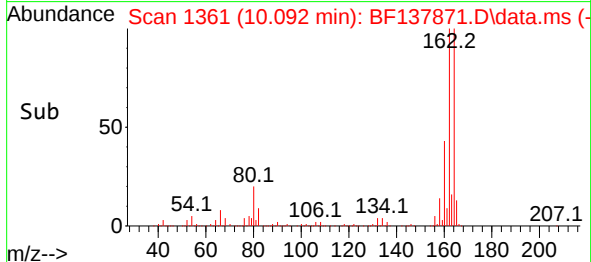
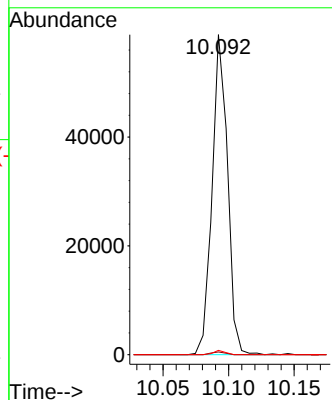
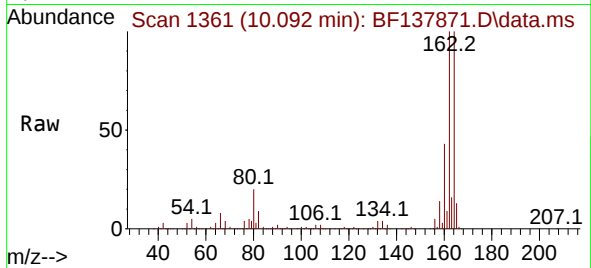




#51
2,6-Dinitrotoluene
Concen: 8.844 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.212 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

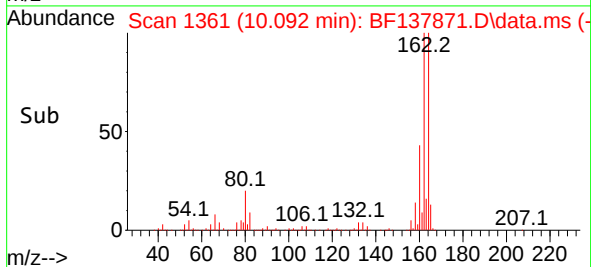
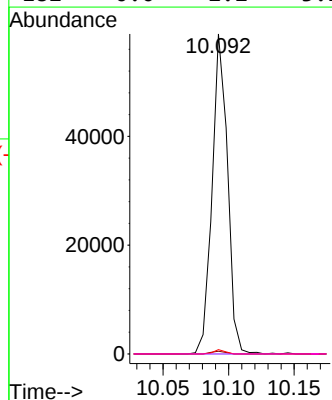
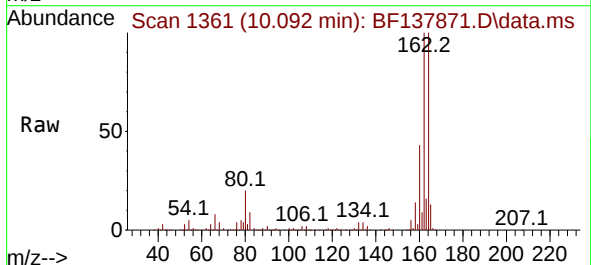
Instrument :
BNA_F
ClientSampleId :
WC-EE

Tgt Ion:165 Resp: 48138
Ion Ratio Lower Upper
165 100
63 0.8 41.9 62.9#
89 1.4 43.2 64.8#



#57
2,4-Dinitrotoluene
Concen: 6.770 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.194 min
Lab File: BF137871.D
Acq: 09 May 2024 18:59

Tgt Ion:165 Resp: 48138
Ion Ratio Lower Upper
165 100
63 0.8 31.3 46.9#
89 1.4 54.2 81.4#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.586 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

Instrument :

BNA_F

ClientSampleId :

WC-EE

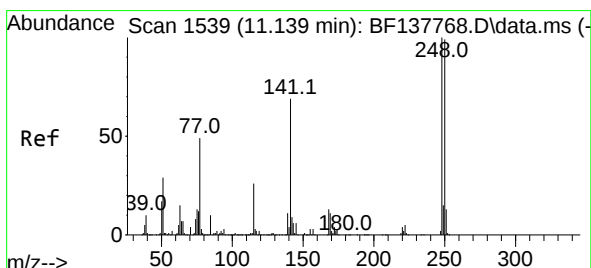
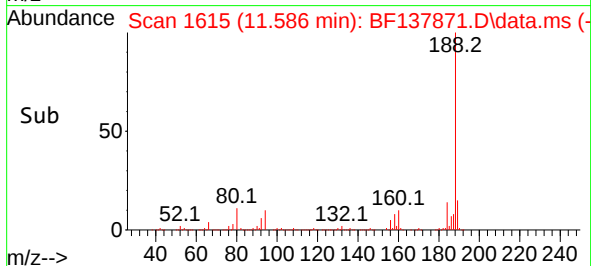
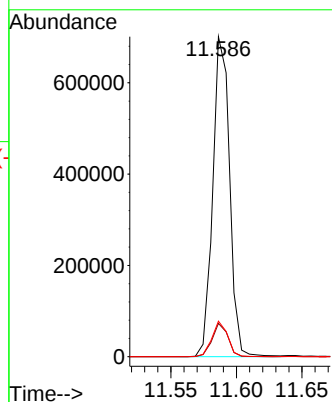
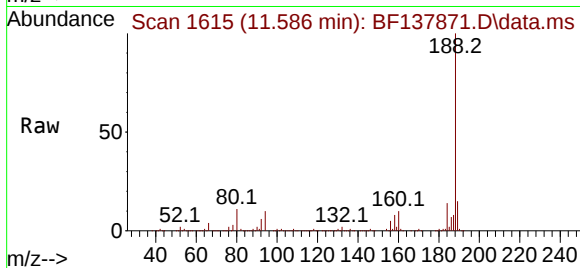
Tgt Ion:188 Resp: 625158

Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 11.1 9.6 14.4



#67

4-Bromophenyl-phenylether

Concen: 4.595 ng

RT: 10.886 min Scan# 1496

Delta R.T. -0.253 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

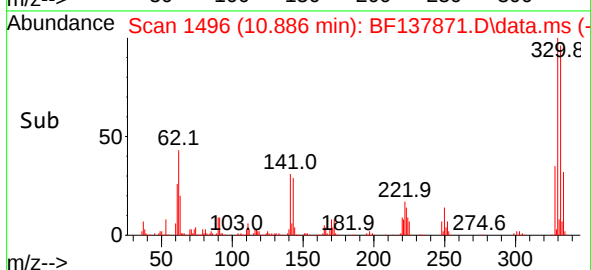
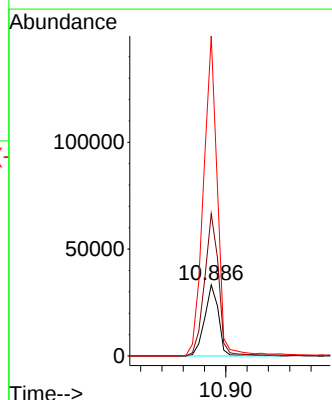
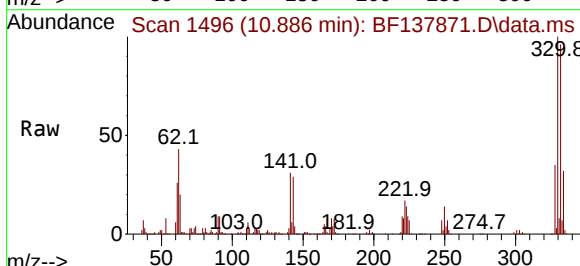
Tgt Ion:248 Resp: 30742

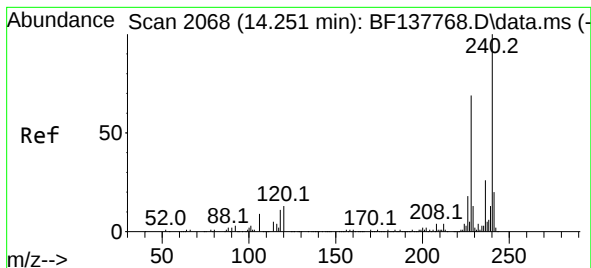
Ion Ratio Lower Upper

248 100

250 200.2 79.1 118.7#

141 450.1 55.4 83.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.012 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

Instrument :

BNA_F

ClientSampleId :

WC-EE

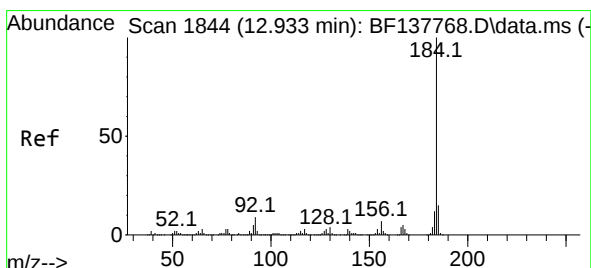
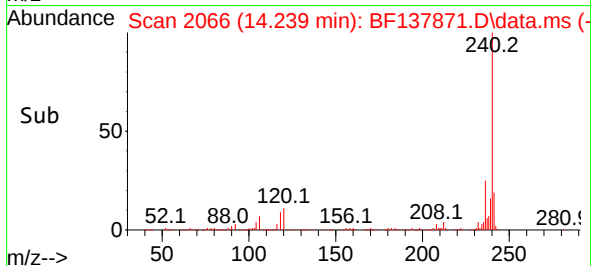
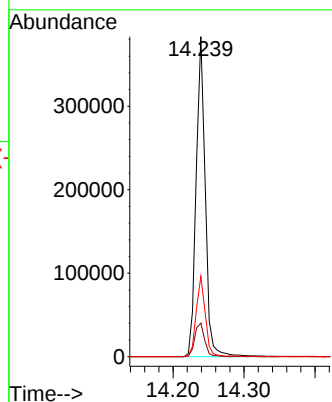
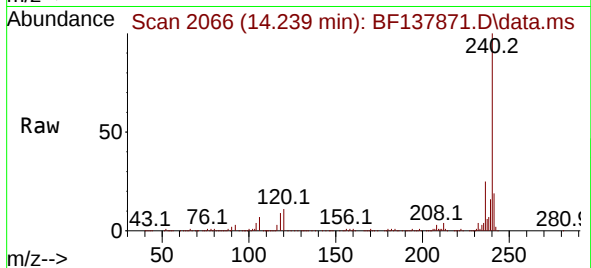
Tgt Ion:240 Resp: 346490

Ion Ratio Lower Upper

240 100

120 10.5 10.4 15.6

236 25.1 20.4 30.6



#77

Benzidine

Concen: 3.110 ng

RT: 13.180 min Scan# 1886

Delta R.T. 0.247 min

Lab File: BF137871.D

Acq: 09 May 2024 18:59

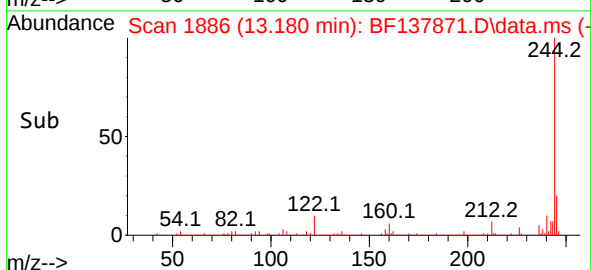
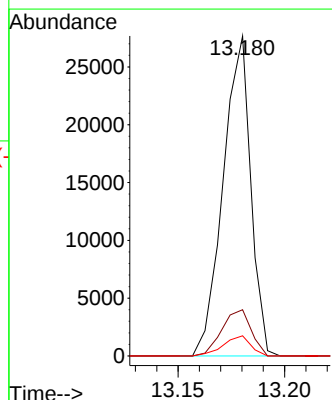
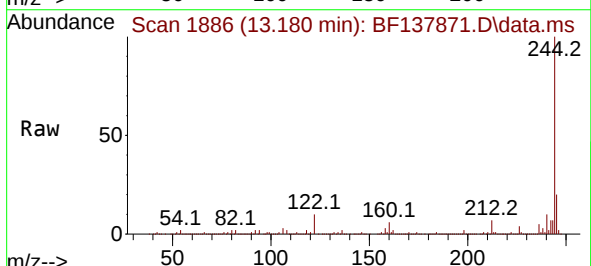
Tgt Ion:184 Resp: 24925

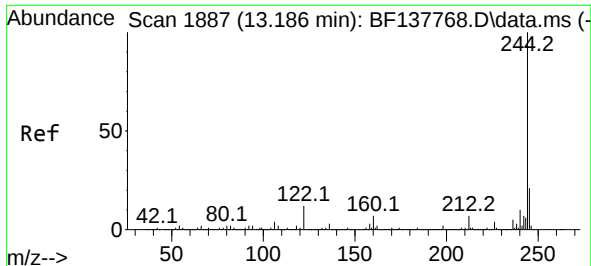
Ion Ratio Lower Upper

184 100

185 14.4 12.3 18.5

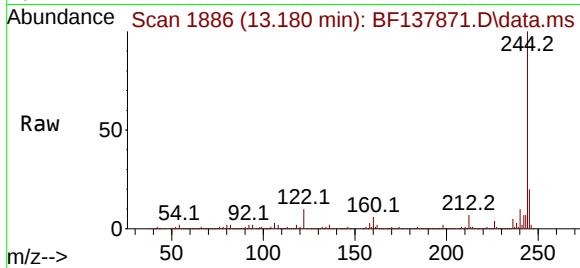
183 6.3 9.2 13.8#



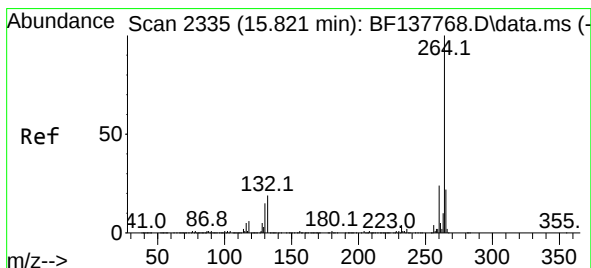
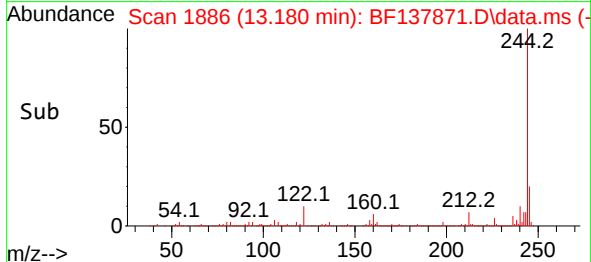
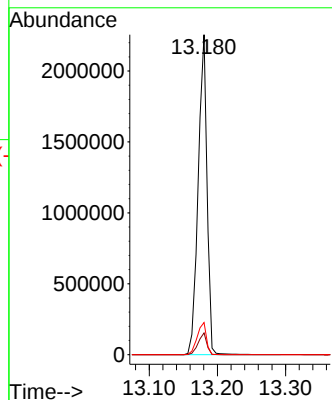


#79
 Terphenyl-d14
 Concen: 98.244 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. -0.006 min
 Lab File: BF137871.D
 Acq: 09 May 2024 18:59

Instrument :
 BNA_F
 ClientSampleId :
 WC-EE



Tgt Ion:244 Resp: 2031218
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.0 9.4 14.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.810 min Scan# 2333
 Delta R.T. -0.012 min
 Lab File: BF137871.D
 Acq: 09 May 2024 18:59

Tgt Ion:264 Resp: 298791
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.9 28.3
 265 21.3 17.4 26.0

