

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100323\
 Data File : BF135559.D
 Acq On : 04 Oct 2023 00:30
 Operator : CG\JU
 Sample : 04627-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-14

Quant Time: Oct 04 07:15:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 06:58:43 2023
 Response via : Initial Calibration

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

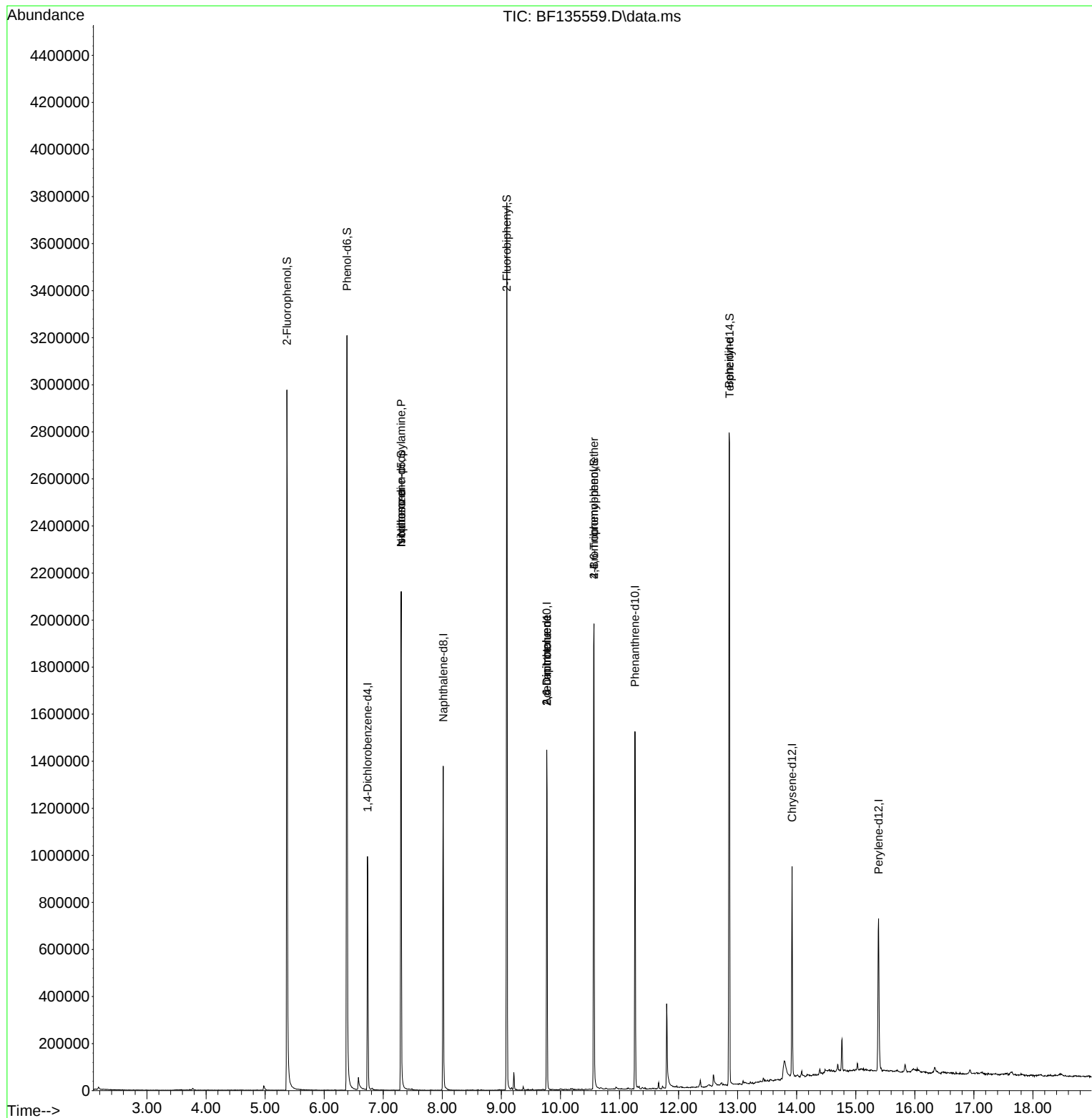
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	151122	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	579019	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	292538	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	538638	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	281962	20.000	ng	0.00
86) Perylene-d12	15.386	264	312874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	859802	92.536	ng	0.00
7) Phenol-d6	6.387	99	1070943	90.645	ng	0.00
23) Nitrobenzene-d5	7.304	82	669758	62.843	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	234269	80.585	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1165843	60.127	ng	0.00
79) Terphenyl-d14	12.863	244	1098873	60.415	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	87365	11.938	ng	# 79
25) Isophorone	7.304	82	669837	34.228	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	36365	8.393	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	36365	6.704	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	15286	2.853	ng	# 1
77) Benzidine	12.857	184	14089	2.439	ng	# 95

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

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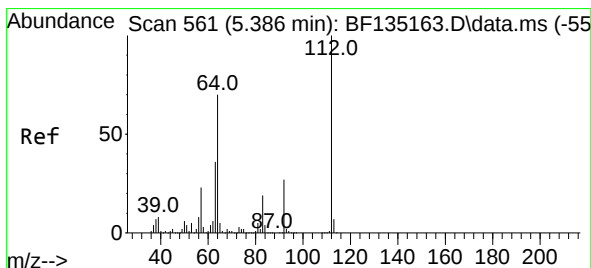
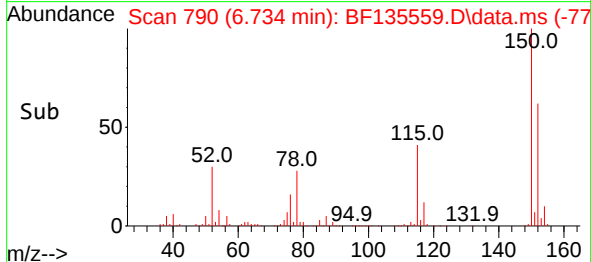
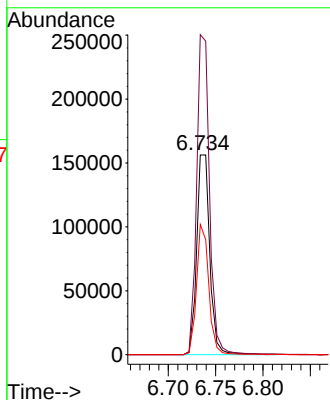
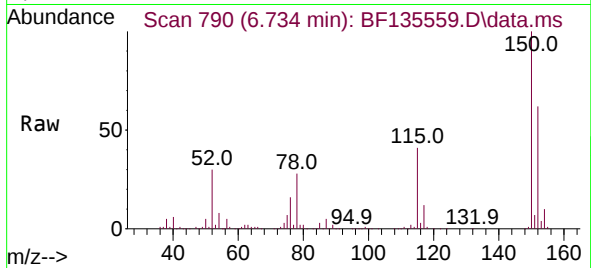




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

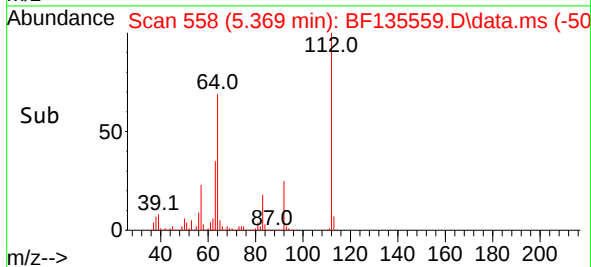
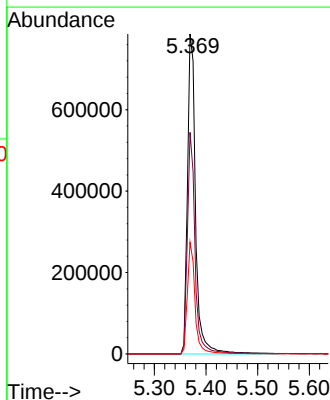
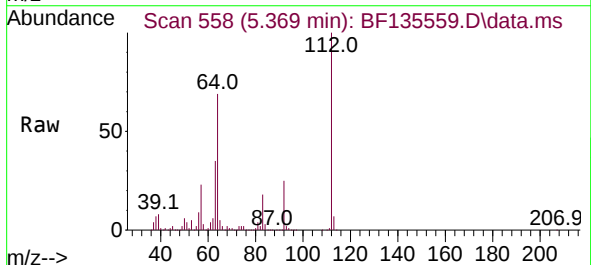
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-14

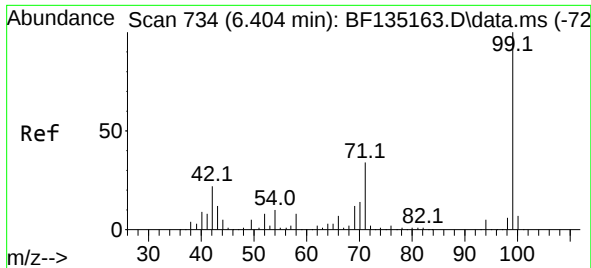
Tgt Ion:152 Resp: 151122
Ion Ratio Lower Upper
152 100
150 160.2 127.8 191.6
115 65.2 49.8 74.8



#5
2-Fluorophenol
Concen: 92.536 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

Tgt Ion:112 Resp: 859802
Ion Ratio Lower Upper
112 100
64 69.2 55.9 83.9
63 34.9 29.0 43.6





#7

Phenol-d6

Concen: 90.645 ng

RT: 6.387 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-14

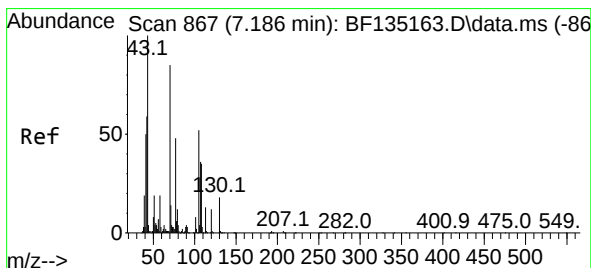
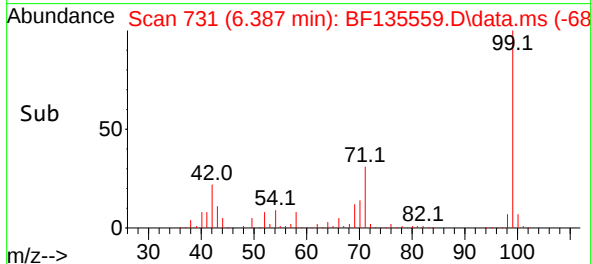
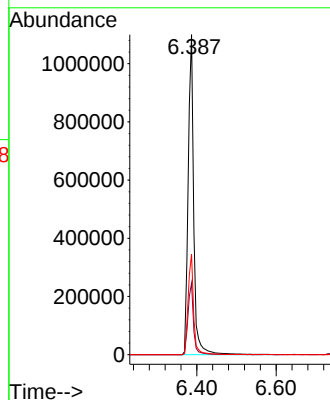
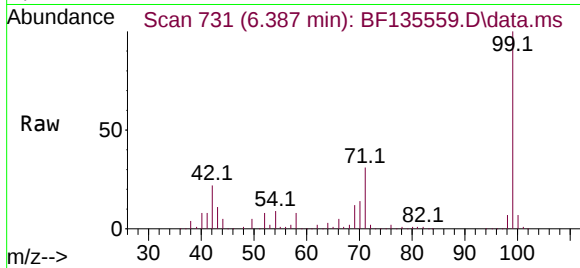
Tgt Ion: 99 Resp: 1070943

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 31.4 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.938 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

Tgt Ion: 70 Resp: 87365

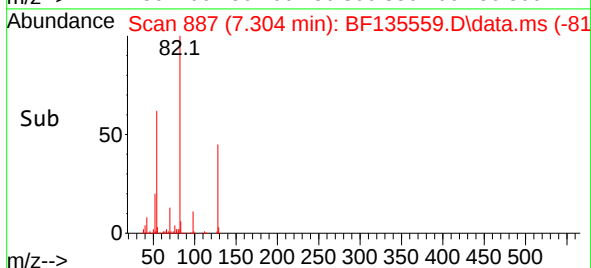
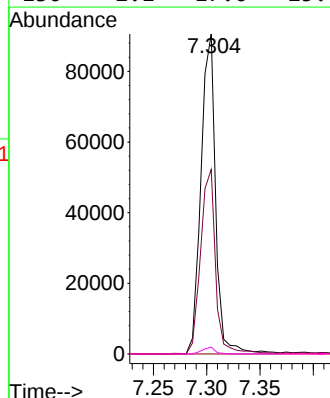
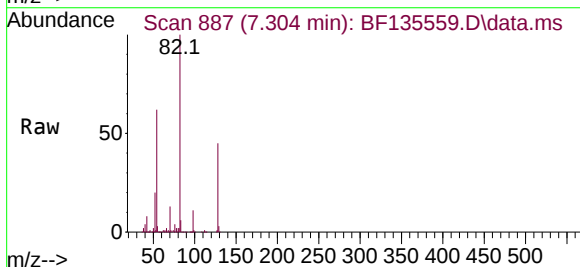
Ion Ratio Lower Upper

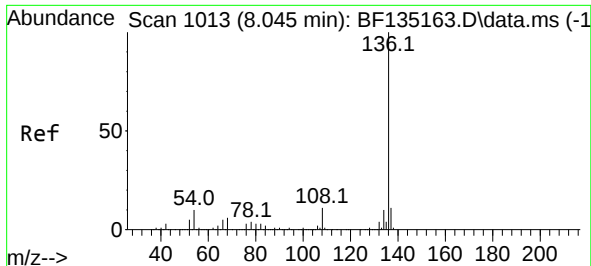
70 100

42 57.7 55.4 83.0

101 0.0 7.7 11.5#

130 2.1 17.0 25.6#

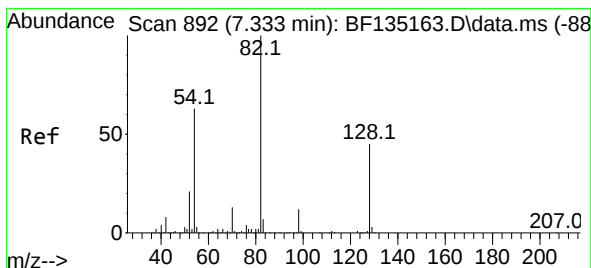
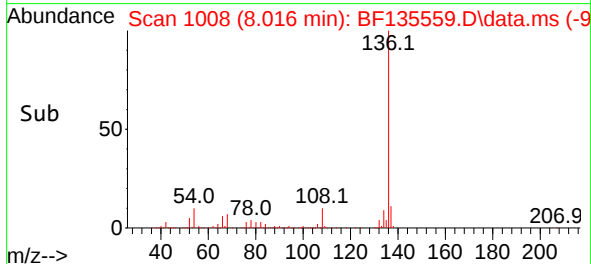
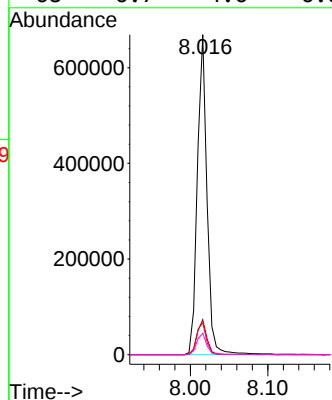
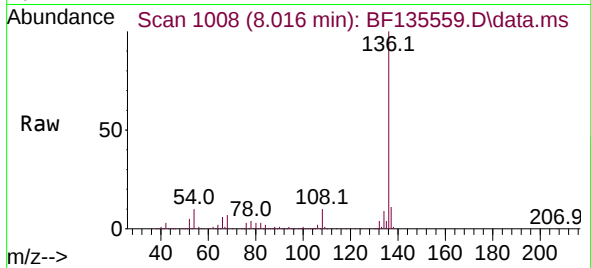




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

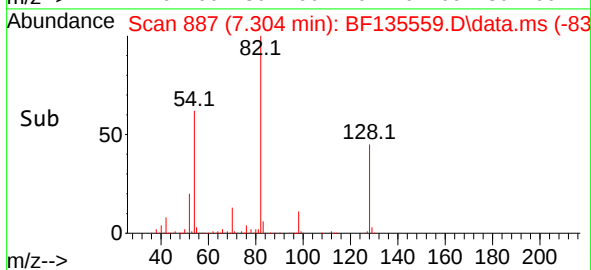
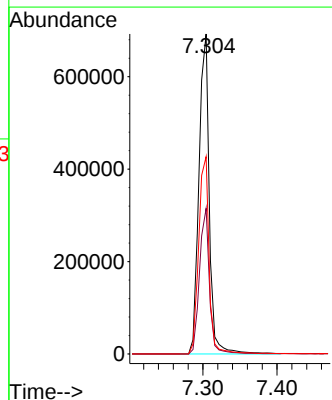
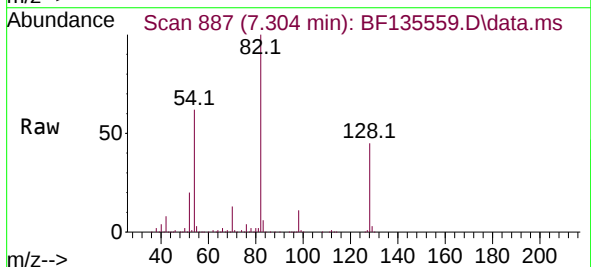
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-14

Tgt Ion:136 Resp: 579019
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.0 7.7 11.5
68 6.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 62.843 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

Tgt Ion: 82 Resp: 669758
Ion Ratio Lower Upper
82 100
128 45.5 35.8 53.6
54 61.7 50.6 76.0

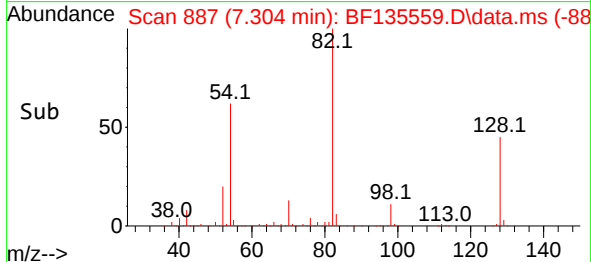
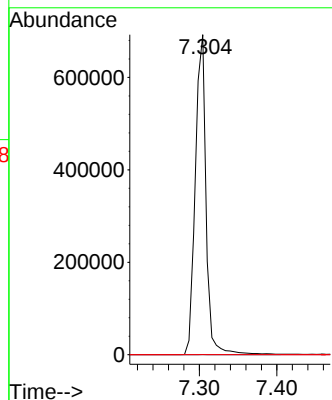
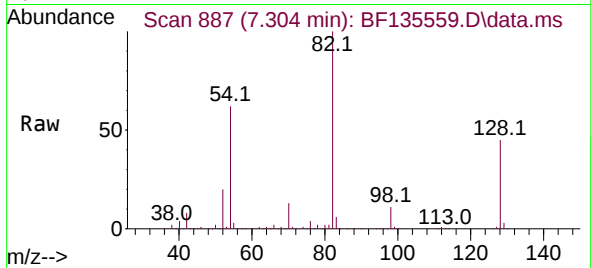




#25
Isophorone
Concen: 34.228 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

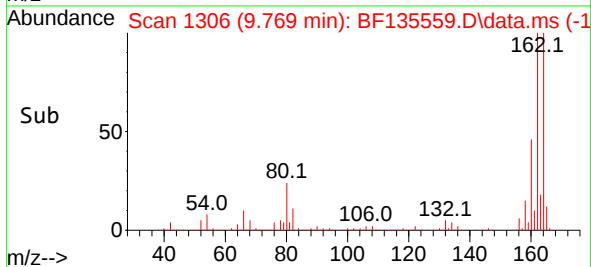
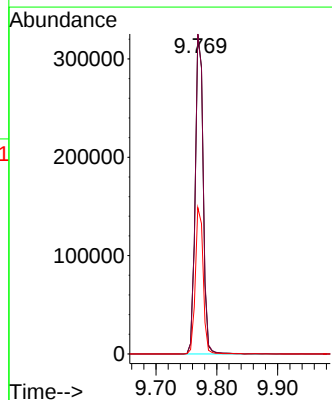
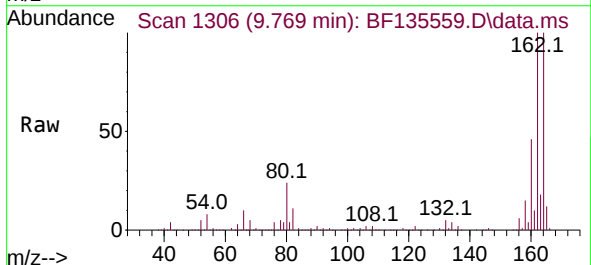
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-14

Tgt Ion: 82 Resp: 669837
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

Tgt Ion: 164 Resp: 292538
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 45.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 80.585 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135559.D

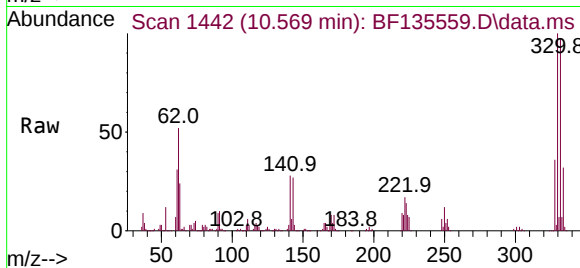
Acq: 04 Oct 2023 00:30

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-14



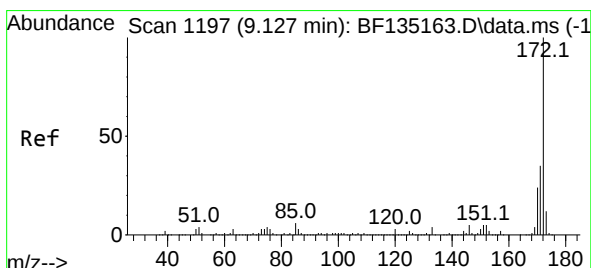
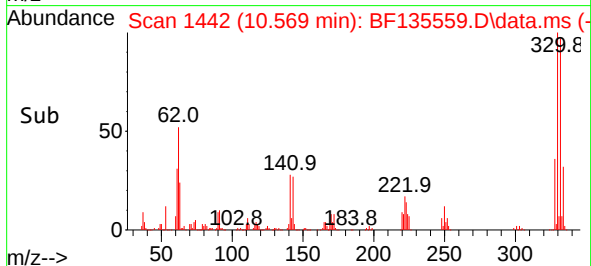
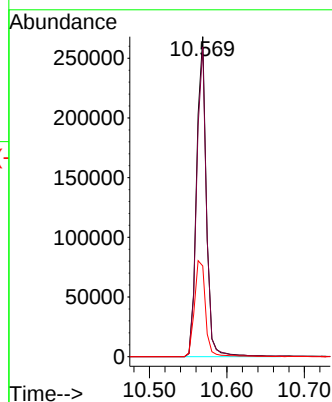
Tgt Ion:330 Resp: 234269

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 34.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 60.127 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

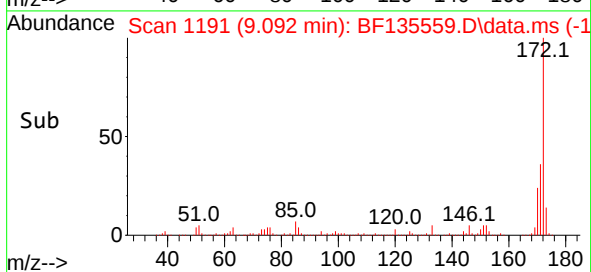
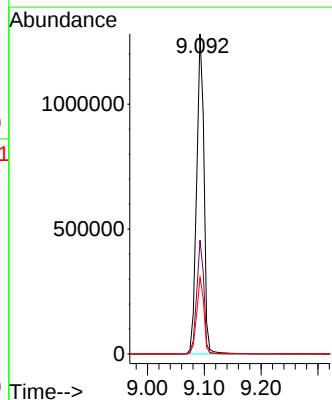
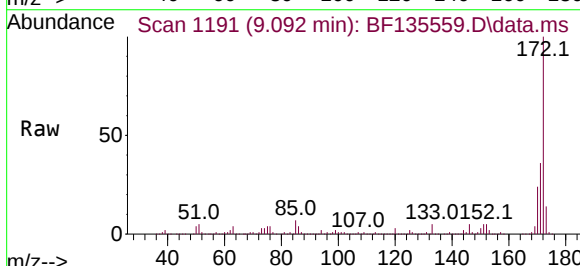
Tgt Ion:172 Resp: 1165843

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.9 19.0 28.4

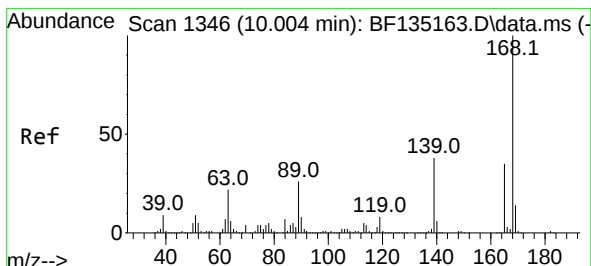
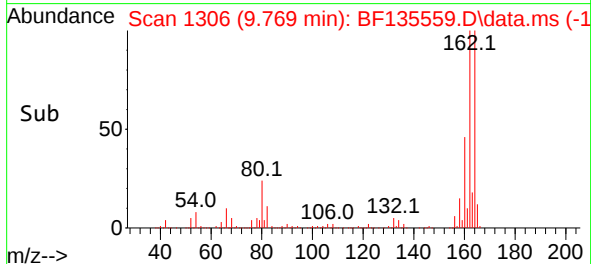
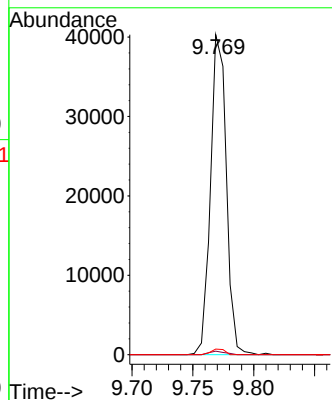
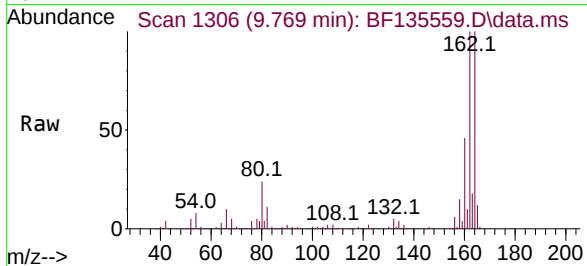




#51
2,6-Dinitrotoluene
Concen: 8.393 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.194 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

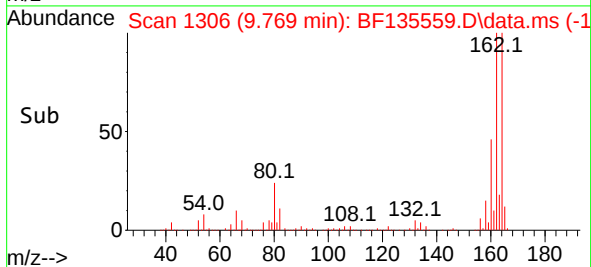
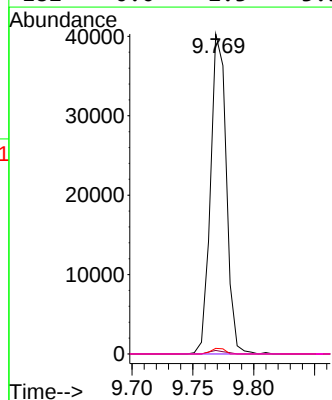
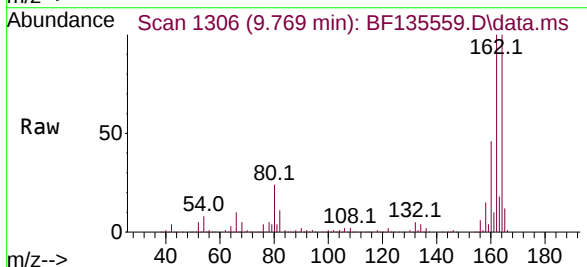
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-14

Tgt Ion:165 Resp: 36365
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.7 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.704 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.212 min
Lab File: BF135559.D
Acq: 04 Oct 2023 00:30

Tgt Ion:165 Resp: 36365
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.7 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-14

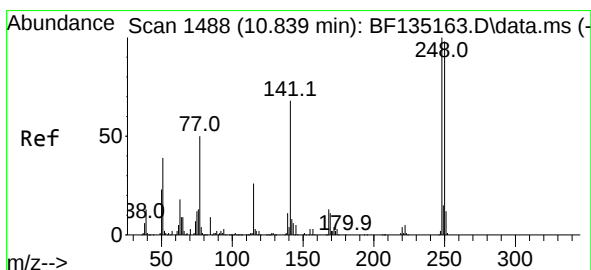
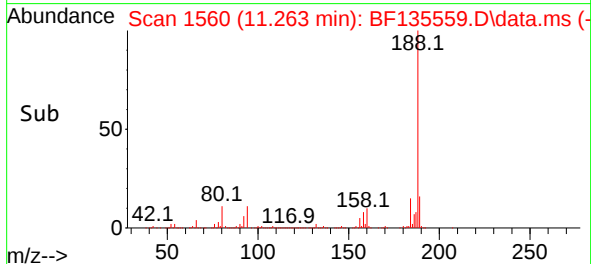
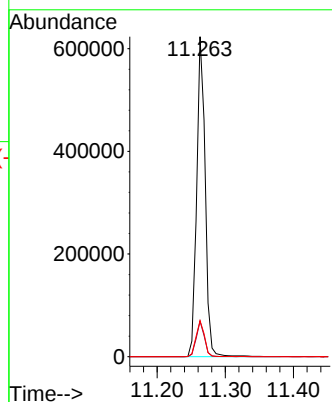
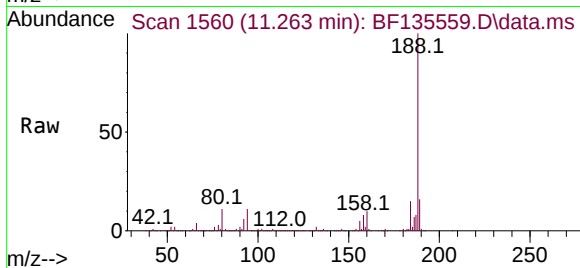
Tgt Ion:188 Resp: 538638

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.3 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.853 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

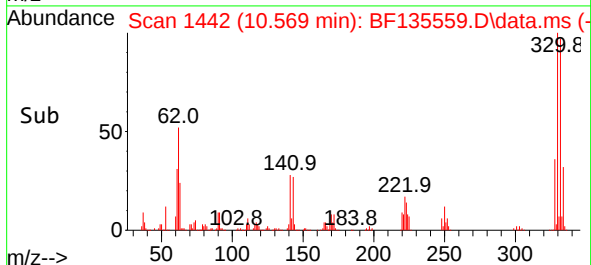
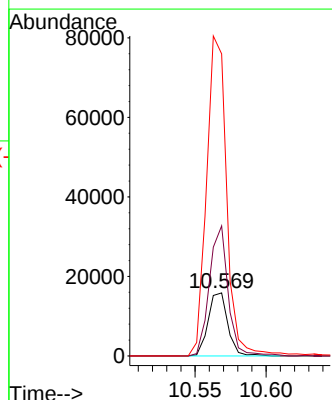
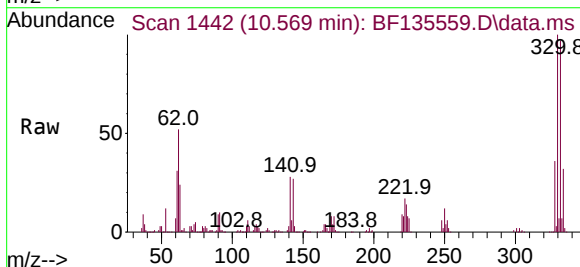
Tgt Ion:248 Resp: 15286

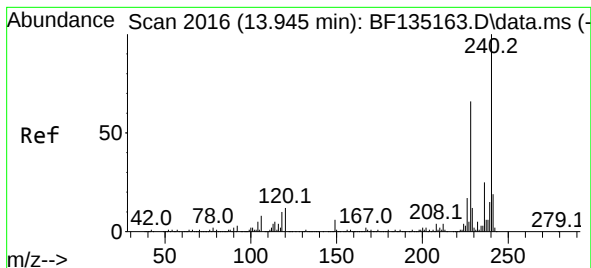
Ion Ratio Lower Upper

248 100

250 206.1 78.6 117.8#

141 478.6 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135559.D

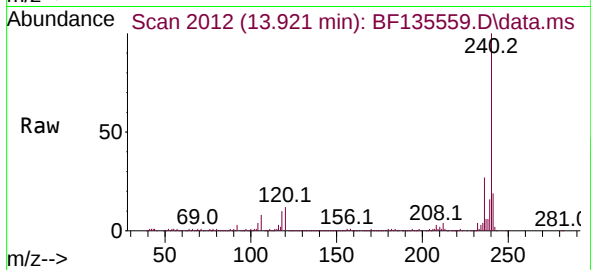
Acq: 04 Oct 2023 00:30

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-14



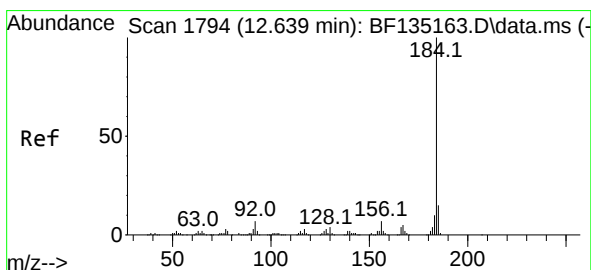
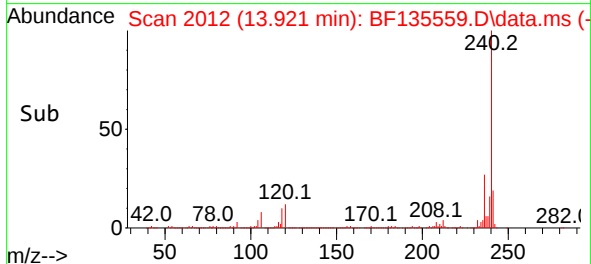
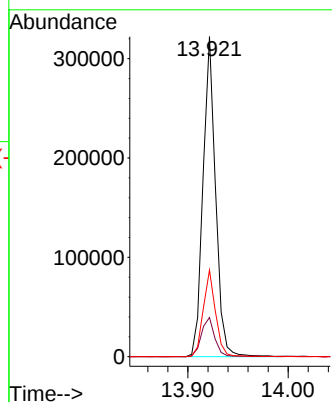
Tgt Ion:240 Resp: 281962

Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

236 27.0 19.8 29.8



#77

Benidine

Concen: 2.439 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.241 min

Lab File: BF135559.D

Acq: 04 Oct 2023 00:30

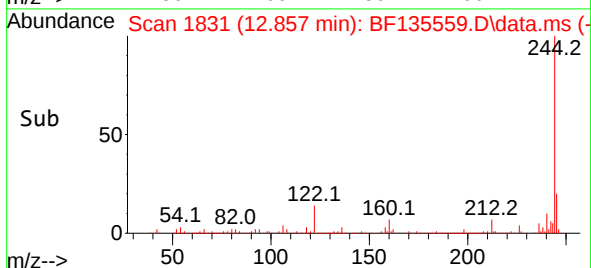
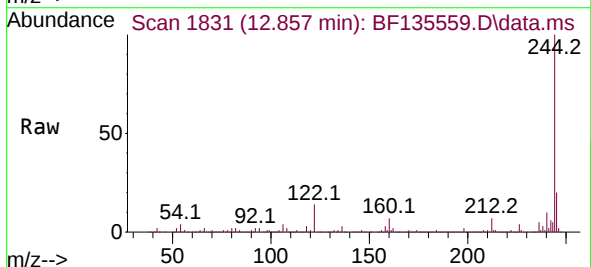
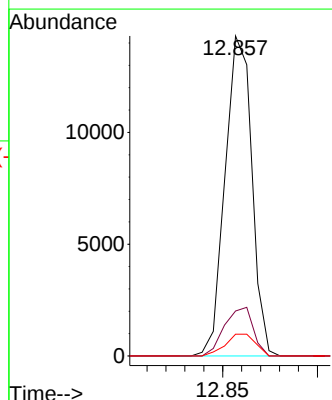
Tgt Ion:184 Resp: 14089

Ion Ratio Lower Upper

184 100

185 14.0 11.7 17.5

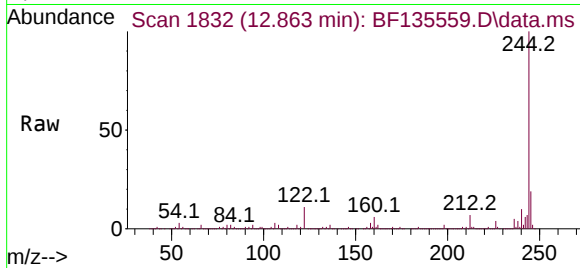
183 6.8 8.2 12.4#





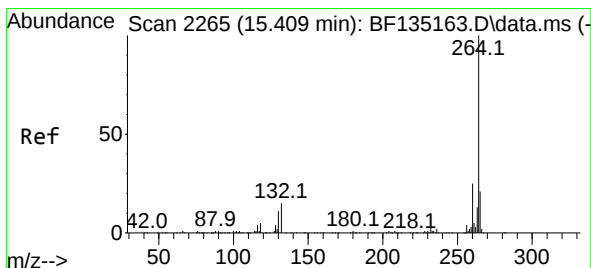
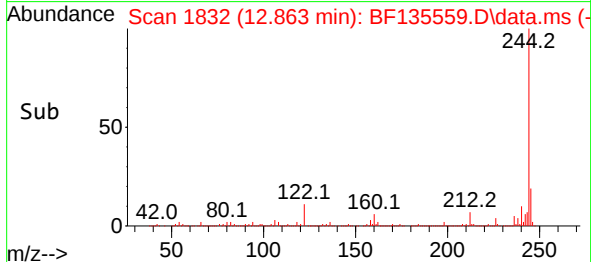
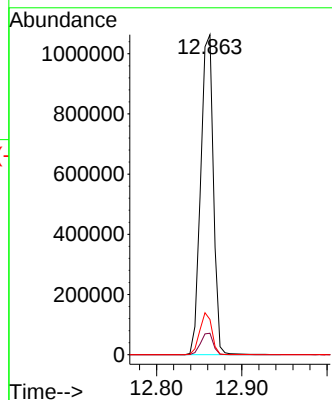
#79
 Terphenyl-d14
 Concen: 60.415 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF135559.D
 Acq: 04 Oct 2023 00:30

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-14



Tgt Ion:244 Resp: 1098873

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	11.0	7.9	11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. 0.000 min
 Lab File: BF135559.D
 Acq: 04 Oct 2023 00:30

Tgt Ion:264 Resp: 312874

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.6
265	21.8	17.0	25.4

