

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135851.D
 Acq On : 18 Oct 2023 17:09
 Operator : CG\JU
 Sample : 04888-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-VOC-21

Quant Time: Oct 19 01:20:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

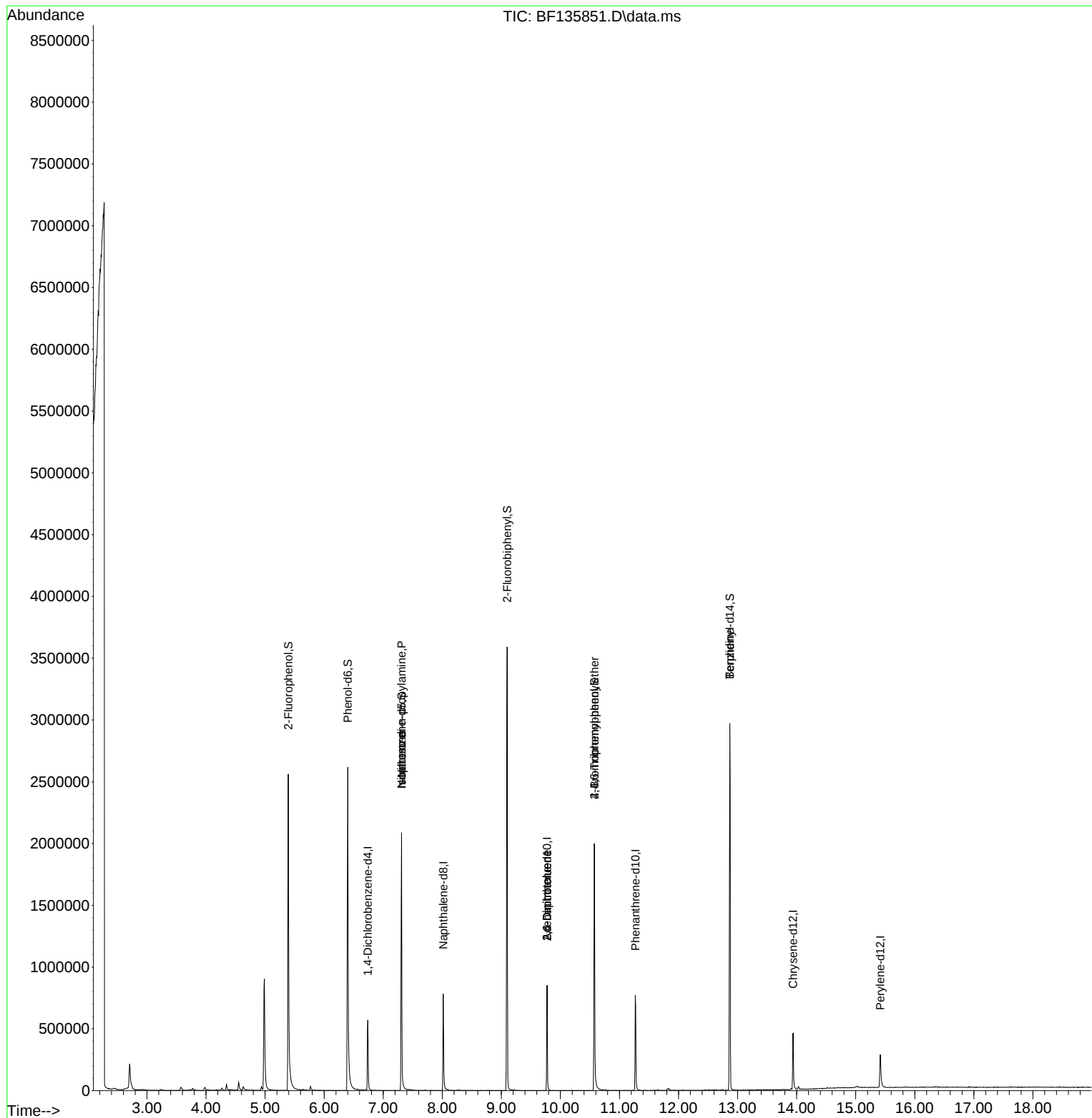
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	91822	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	345785	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	159912	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	313462	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	169713	20.000	ng	-0.01
86) Perylene-d12	15.416	264	154961	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	763919	133.758	ng	0.02
7) Phenol-d6	6.398	99	949700	133.272	ng	0.00
23) Nitrobenzene-d5	7.310	82	632926	100.671	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	256746	167.317	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1103161	107.859	ng	0.00
79) Terphenyl-d14	12.869	244	1143167	124.743	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	83933	19.049	ng	# 76
25) Isophorone	7.310	82	632926	53.362	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	19976	8.605	ng	# 16
57) 2,4-Dinitrotoluene	9.775	165	19976	6.764	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	15934	5.064	ng	# 1
77) Benzidine	12.869	184	13593	3.671	ng	# 93

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

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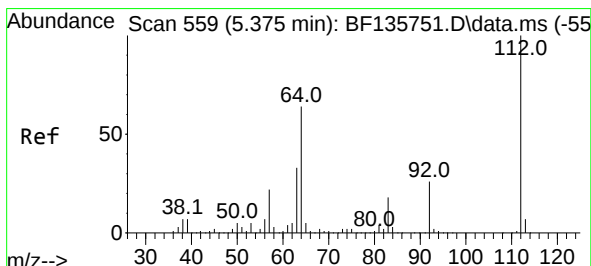
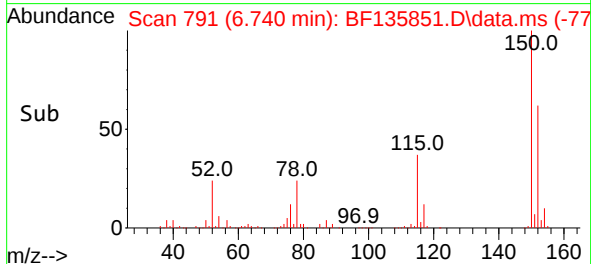
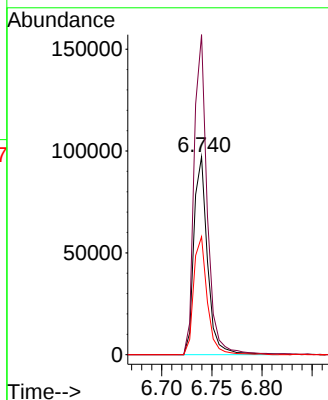
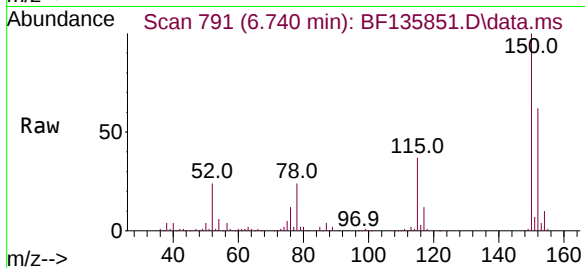




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135851.D
 Acq: 18 Oct 2023 17:09

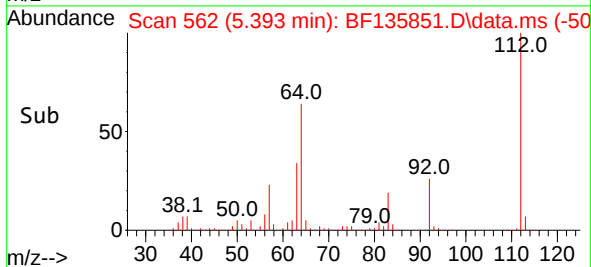
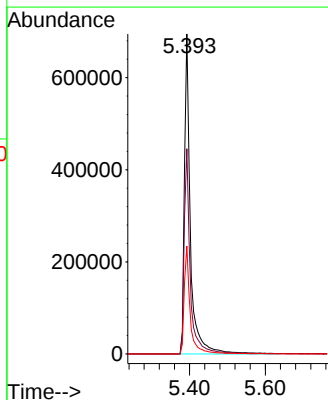
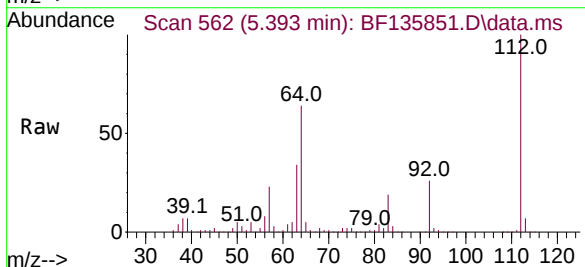
Instrument :
 BNA_F
 ClientSampleId :
 TR-304-VOC-21

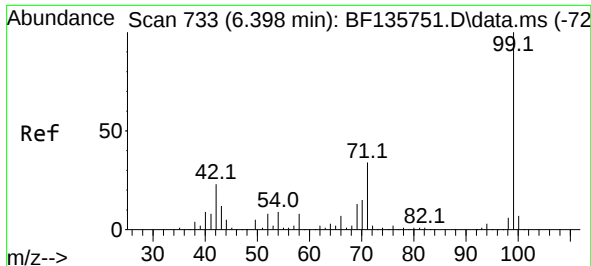
Tgt Ion:152 Resp: 91822
 Ion Ratio Lower Upper
 152 100
 150 161.6 124.5 186.7
 115 59.5 49.0 73.4



#5
 2-Fluorophenol
 Concen: 133.758 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.018 min
 Lab File: BF135851.D
 Acq: 18 Oct 2023 17:09

Tgt Ion:112 Resp: 763919
 Ion Ratio Lower Upper
 112 100
 64 64.2 51.2 76.8
 63 33.7 26.1 39.1

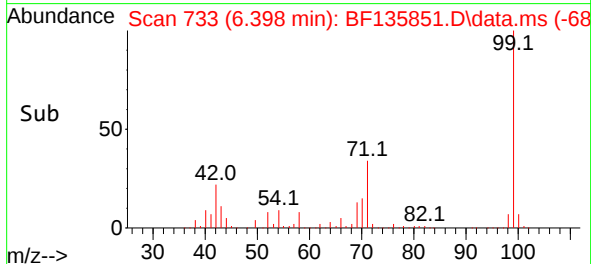
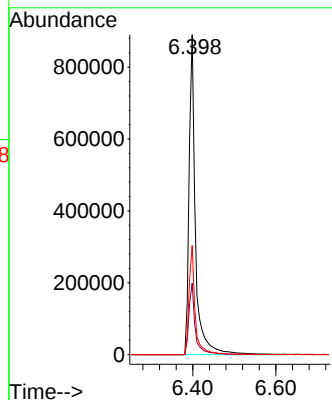
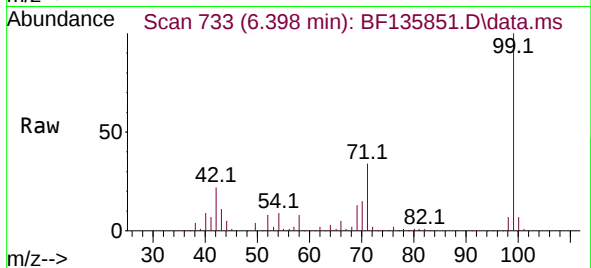




#7
Phenol-d6
Concen: 133.272 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

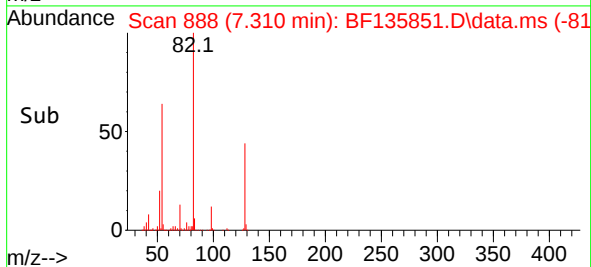
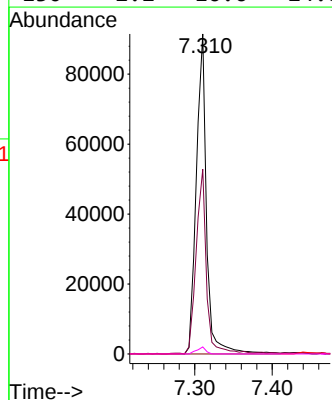
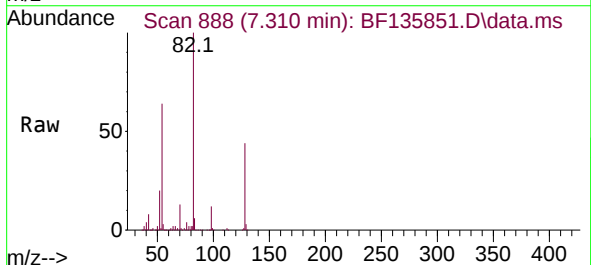
Instrument :
BNA_F
ClientSampleId :
TR-304-VOC-21

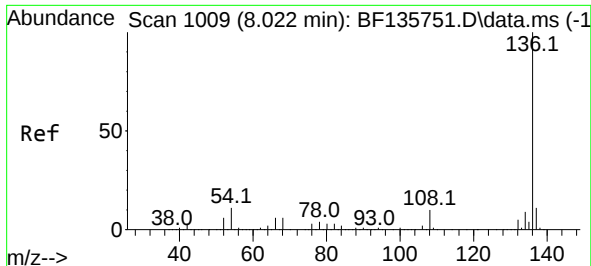
Tgt Ion: 99 Resp: 949700
Ion Ratio Lower Upper
99 100
42 22.3 18.4 27.6
71 34.1 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.049 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

Tgt Ion: 70 Resp: 83933
Ion Ratio Lower Upper
70 100
42 57.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



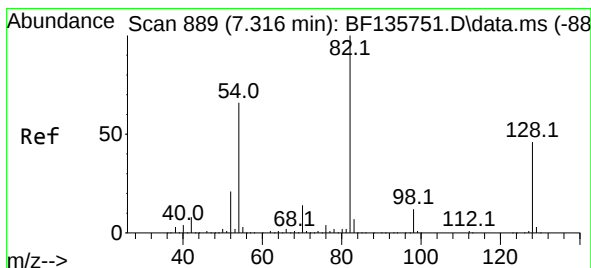
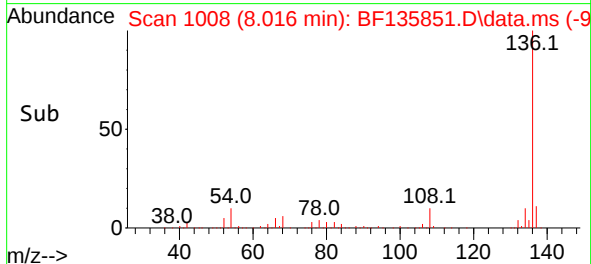
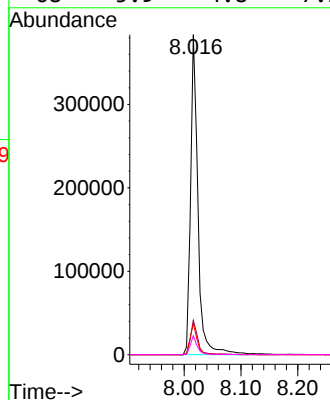
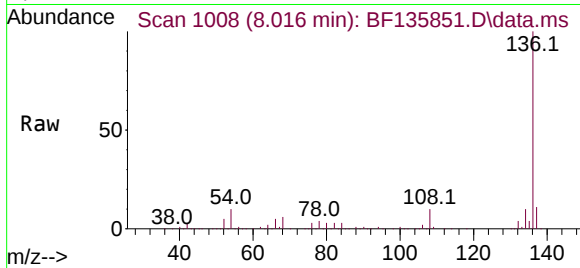


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

Instrument :
BNA_F
ClientSampleId :
TR-304-VOC-21

Tgt Ion:136 Resp: 345785

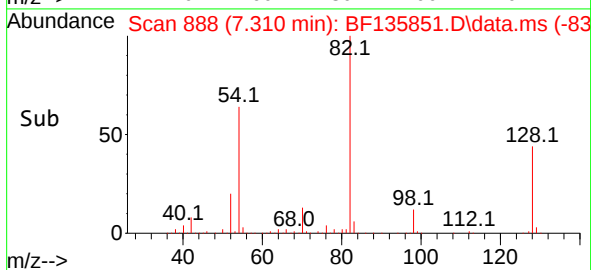
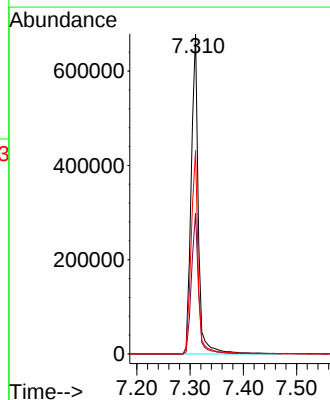
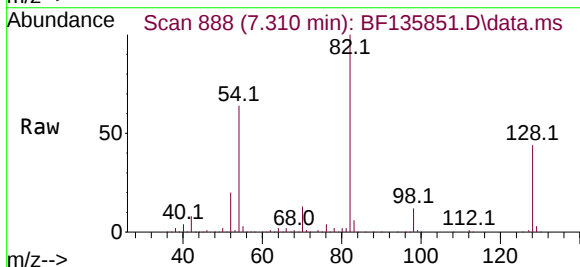
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.7	8.5	12.7
68	5.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 100.671 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

Tgt Ion: 82 Resp: 632926

Ion	Ratio	Lower	Upper
82	100		
128	44.0	37.0	55.6
54	63.6	52.8	79.2

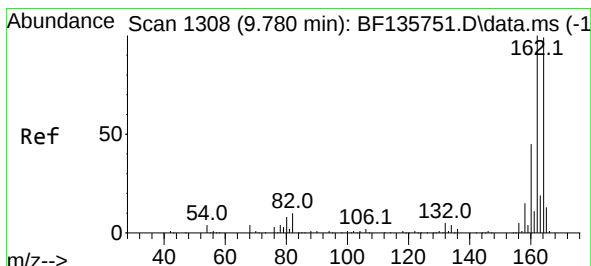
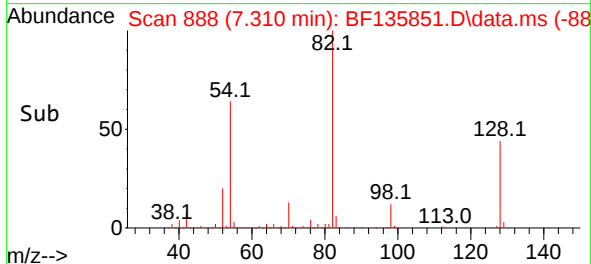
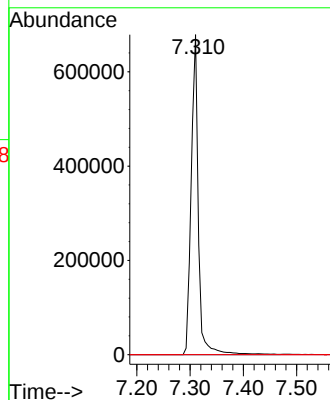
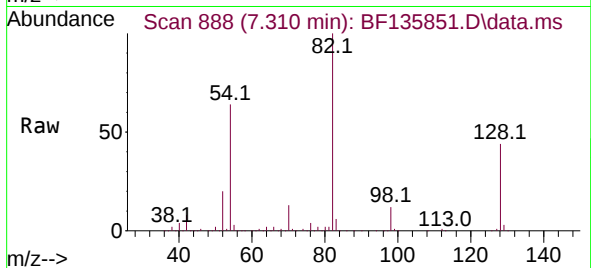




#25
Isophorone
Concen: 53.362 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

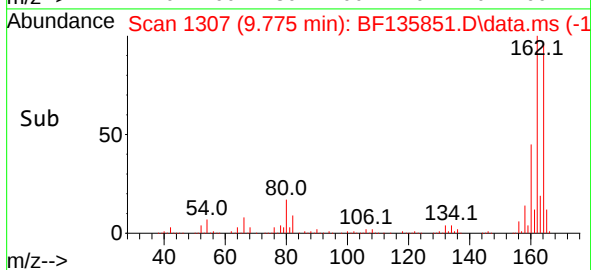
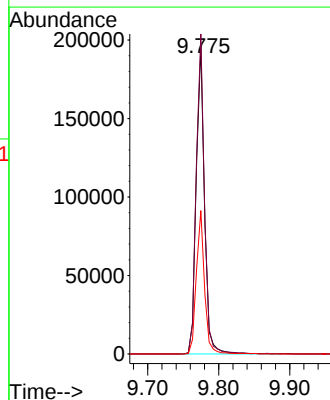
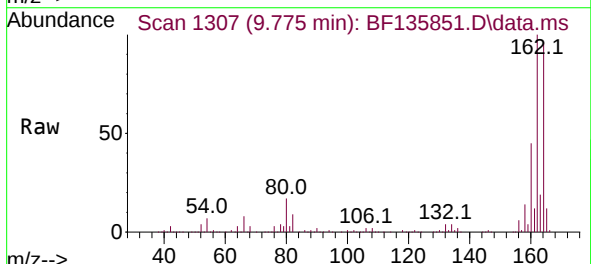
Instrument :
BNA_F
ClientSampleId :
TR-304-VOC-21

Tgt Ion: 82 Resp: 632926
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

Tgt Ion: 164 Resp: 159912
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 46.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 167.317 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

TR-304-VOC-21

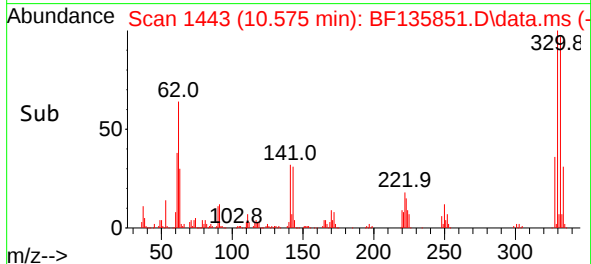
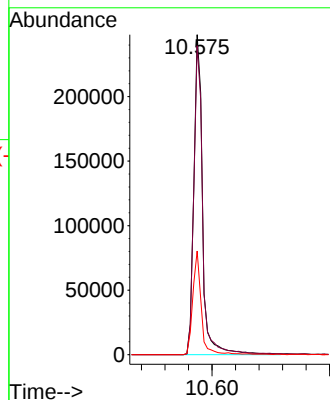
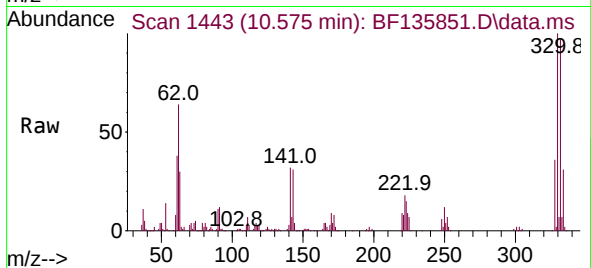
Tgt Ion:330 Resp: 256746

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.4

141 31.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 107.859 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

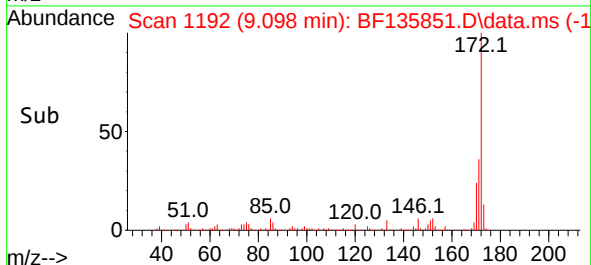
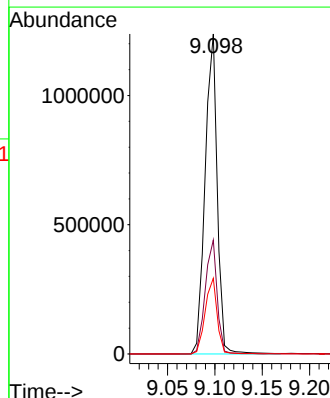
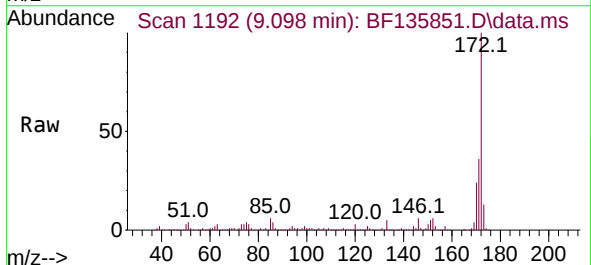
Tgt Ion:172 Resp: 1103161

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.7 18.8 28.2

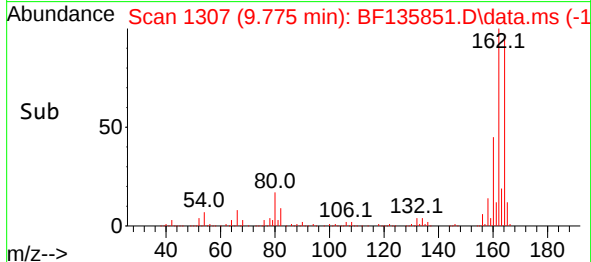
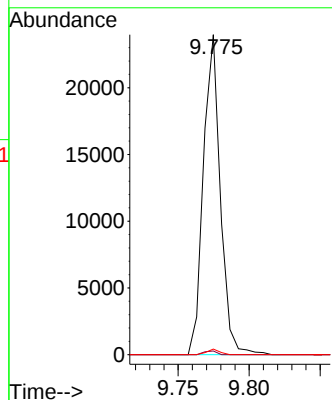
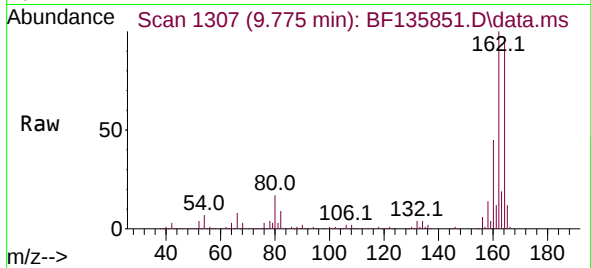




#51
2,6-Dinitrotoluene
Concen: 8.605 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

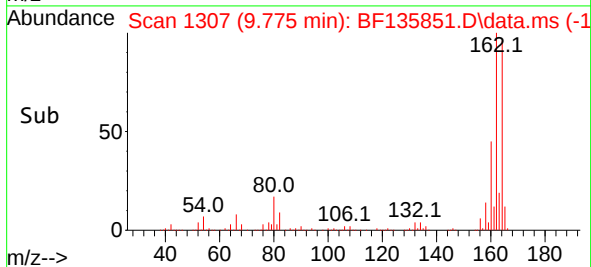
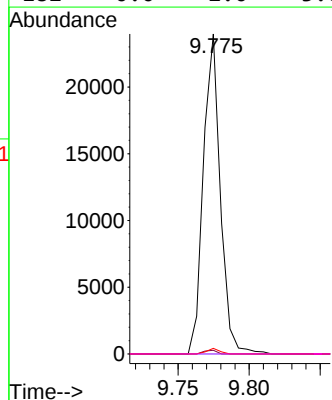
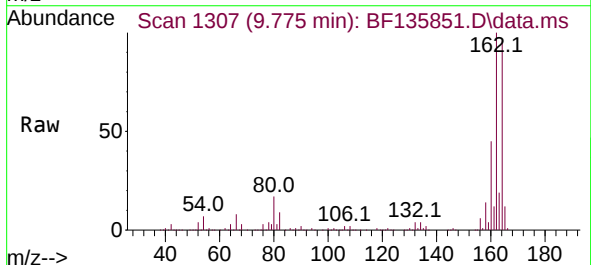
Instrument :
BNA_F
ClientSampleId :
TR-304-VOC-21

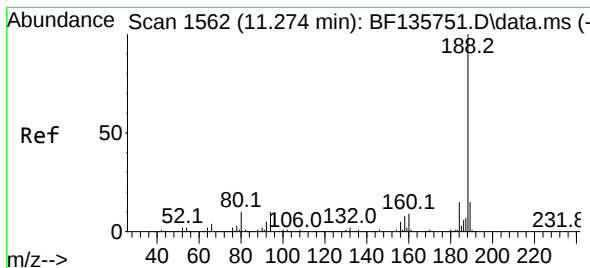
Tgt Ion:165 Resp: 19976
Ion Ratio Lower Upper
165 100
63 1.2 62.2 93.4#
89 1.8 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.764 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135851.D
Acq: 18 Oct 2023 17:09

Tgt Ion:165 Resp: 19976
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.4#
89 1.8 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

TR-304-VOC-21

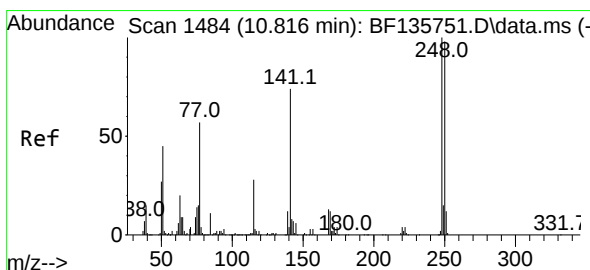
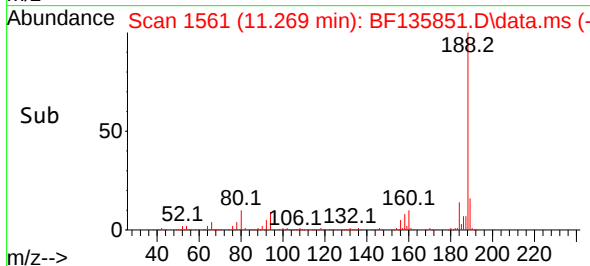
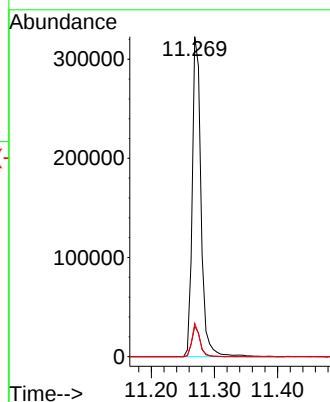
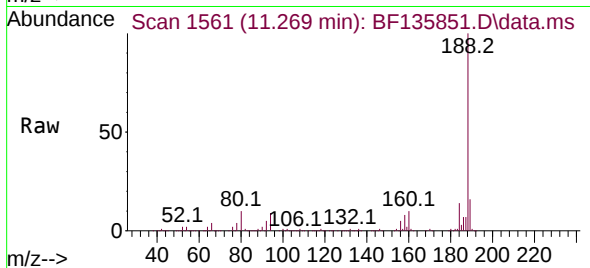
Tgt Ion:188 Resp: 313462

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

80 10.4 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 5.064 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

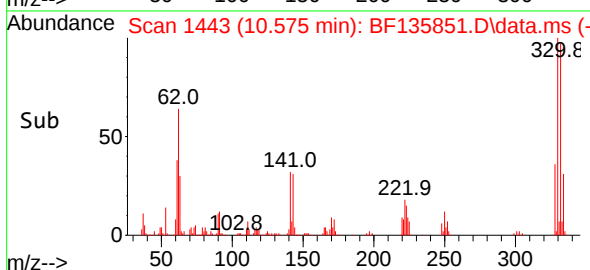
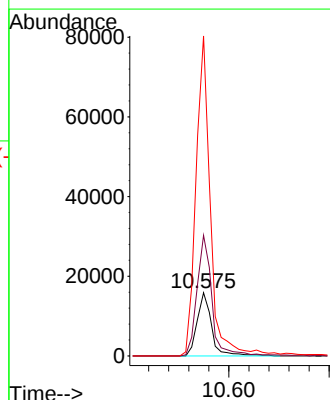
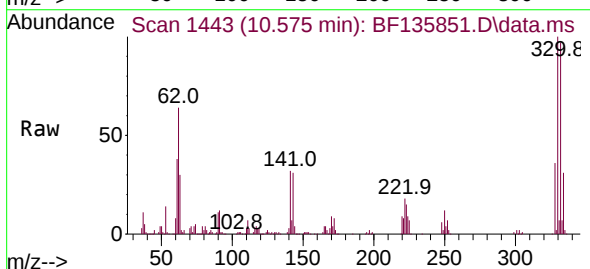
Tgt Ion:248 Resp: 15934

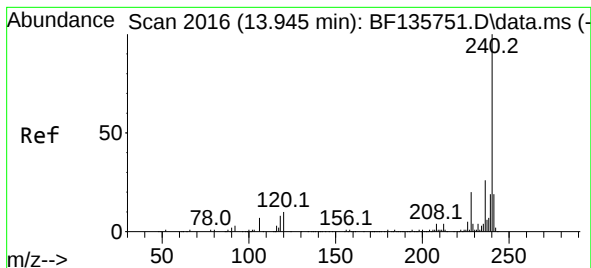
Ion Ratio Lower Upper

248 100

250 191.0 78.0 117.0#

141 506.7 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

Instrument :

BNA_F

ClientSampleId :

TR-304-VOC-21

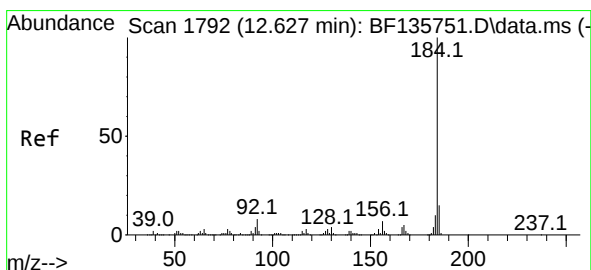
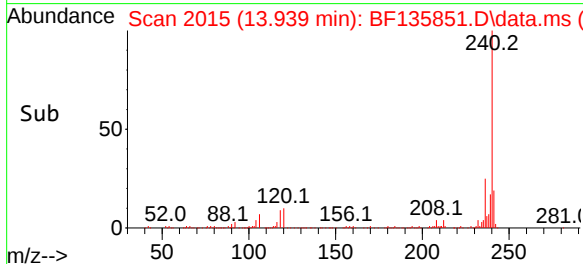
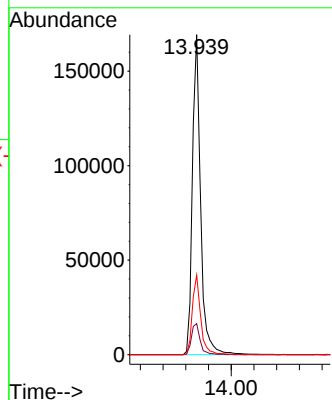
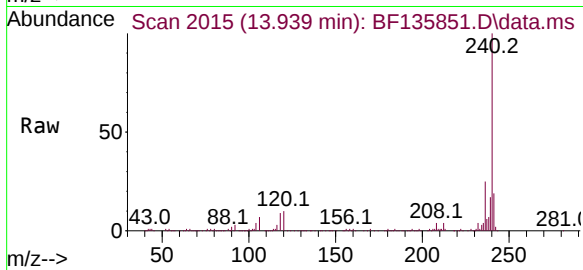
Tgt Ion:240 Resp: 169713

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 24.8 21.2 31.8



#77

Benzidine

Concen: 3.671 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135851.D

Acq: 18 Oct 2023 17:09

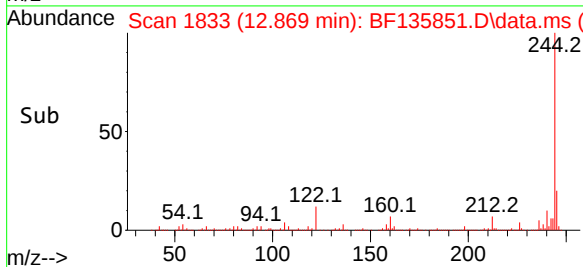
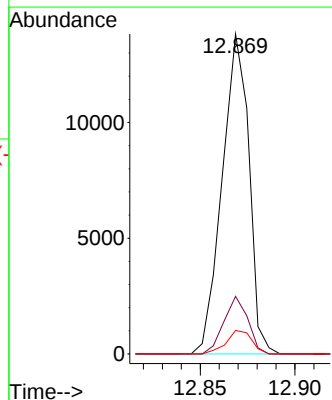
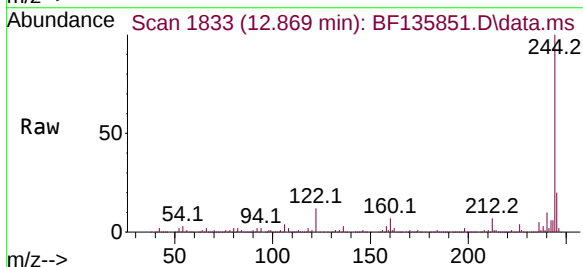
Tgt Ion:184 Resp: 13593

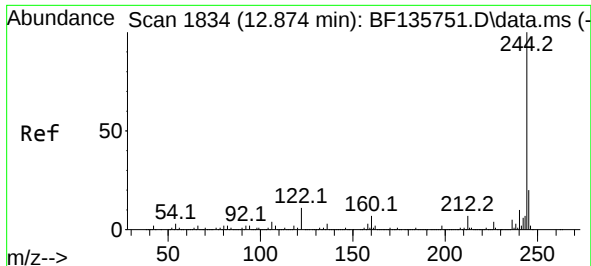
Ion Ratio Lower Upper

184 100

185 18.0 12.0 18.0

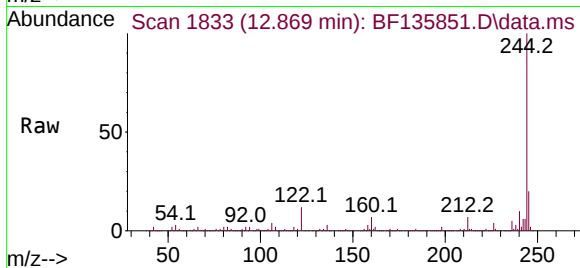
183 7.3 8.2 12.2#



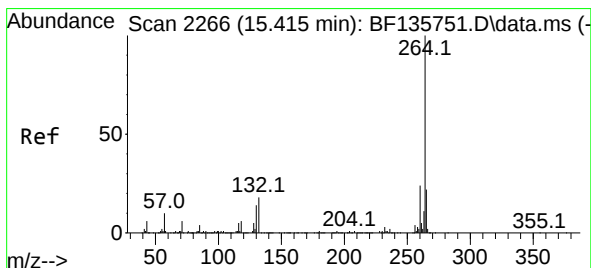
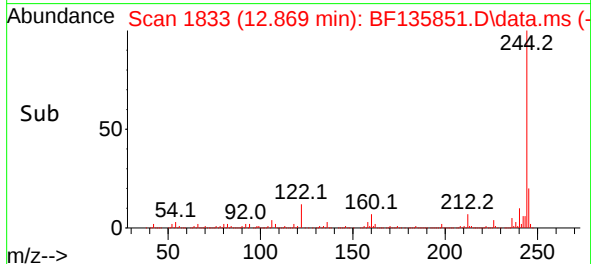
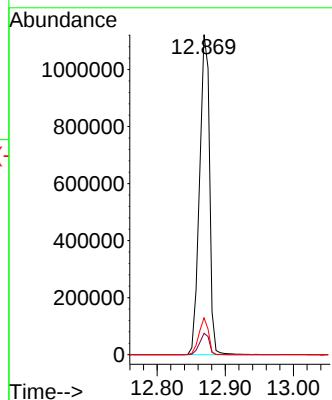


#79
 Terphenyl-d14
 Concen: 124.743 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135851.D
 Acq: 18 Oct 2023 17:09

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-VOC-21



Tgt Ion:244 Resp: 1143167
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.5 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.416 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF135851.D
 Acq: 18 Oct 2023 17:09

Tgt Ion:264 Resp: 154961
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.2 28.8
 265 21.0 17.4 26.2

