

Data Path : Z:\HPCHEM1\BNA F\Data\BF101716\
 Data File : BF090615.D
 Acq On : 17 Oct 2016 18:44
 Operator : UM/SJ
 Sample : H5194-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-PLANTING-SOIL

Quant Time: Oct 17 19:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

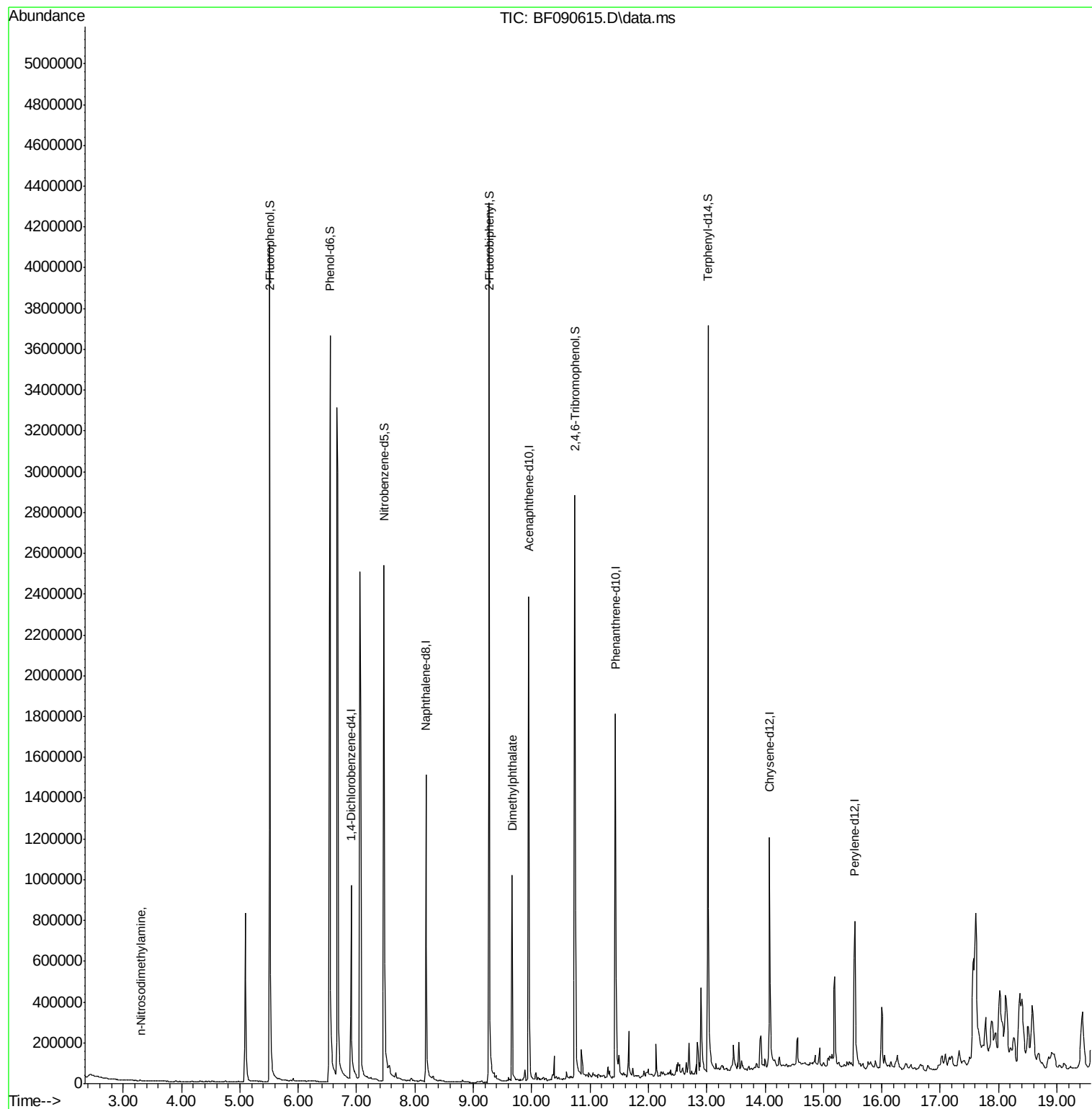
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.909	152	193095	20.00	ng	-0.01
21) Naphthalene-d8	8.189	136	832197	20.00	ng	-0.02
38) Acenaphthene-d10	9.949	164	463378	20.00	ng	-0.02
63) Phenanthrene-d10	11.435	188	711288	20.00	ng	-0.02
75) Chrysene-d12	14.075	240	505113	20.00	ng	-0.02
86) Perylene-d12	15.538	264	433154	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.514	112	1240542	117.78	ng	-0.01
7) Phenol-d6	6.543	99	1836473	117.34	ng	-0.01
23) Nitrobenzene-d5	7.469	82	1098155	73.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.738	330	359552	87.03	ng	-0.02
44) 2-Fluorobiphenyl	9.275	172	1590546	56.56	ng	-0.01
78) Terphenyl-d14	13.023	244	1336879	61.63	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.297	42	1963	7.52	ng	Qvalue # 1
49) Dimethylphthalate	9.663	163	375089	12.48	ng	99

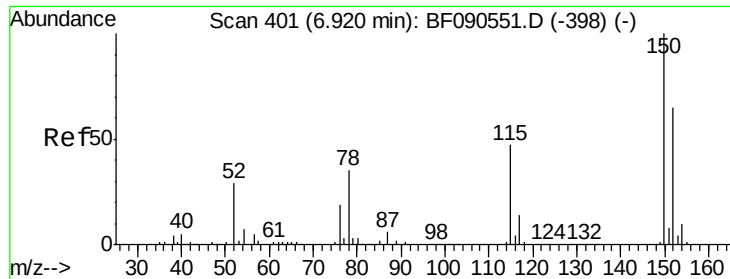
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.909 min Scan# 40

Delta R.T. -0.012 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

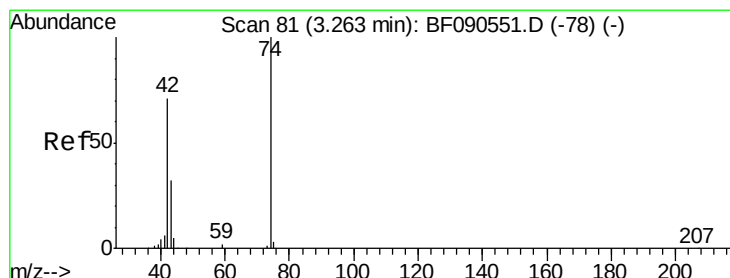
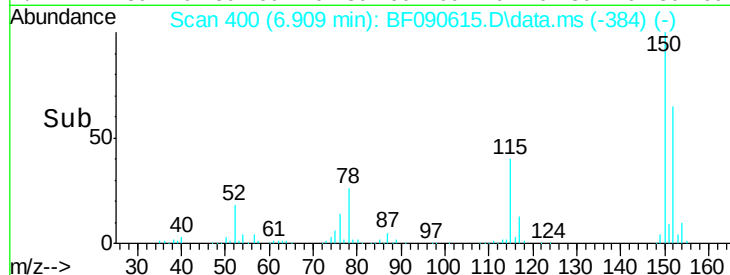
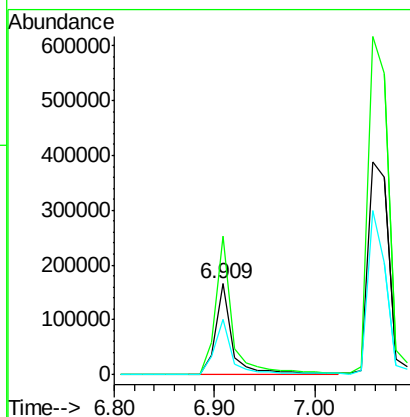
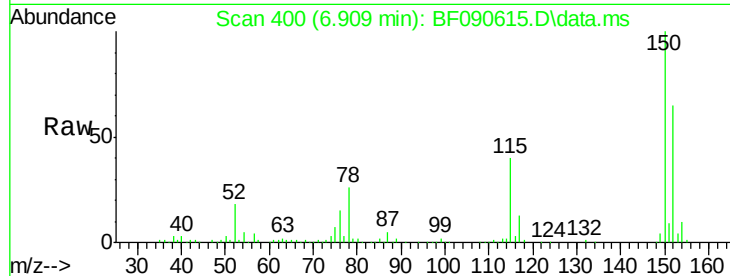
Tot Ion:152 Resp: 193095

Ion Ratio Lower Upper

152 100

150 152.8 127.2 190.8

115 60.4 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.52 ng

RT: 3.297 min Scan# 84

Delta R.T. 0.035 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

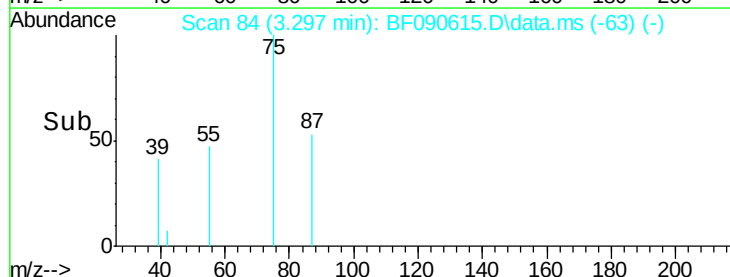
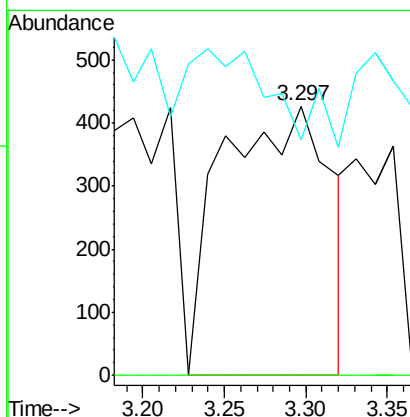
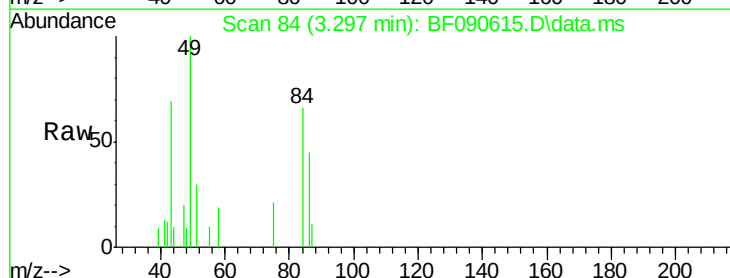
Tgt Ion: 42 Resp: 1963

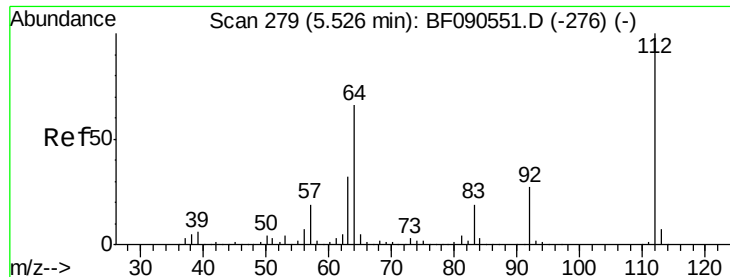
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 87.4 6.0 9.0#





#5

2-Fluorophenol

Concen: 117.78 ng

RT: 5.514 min Scan# 27

Delta R.T. -0.011 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

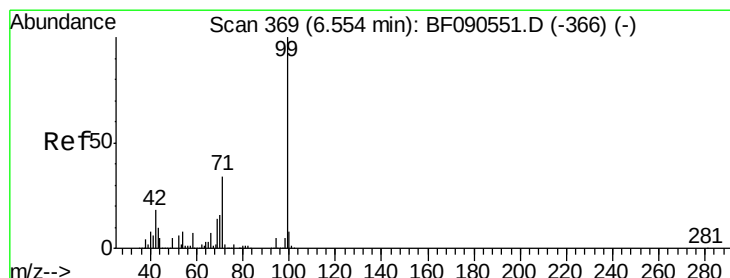
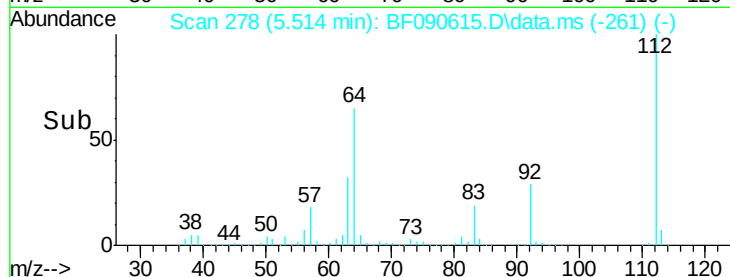
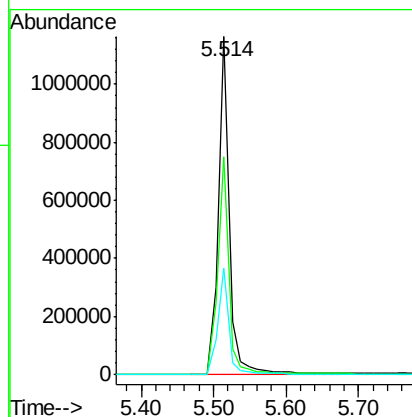
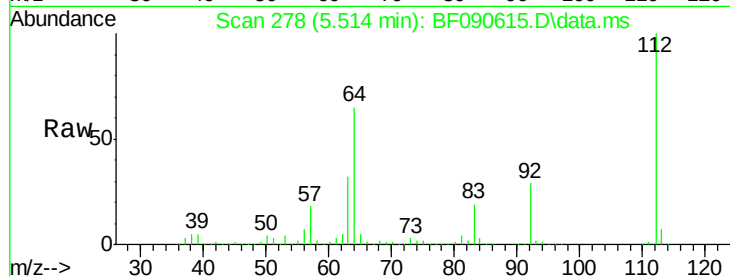
Tot Ion:112 Resp: 1240542

Ion Ratio Lower Upper

112 100

64 64.6 52.6 78.8

63 31.6 26.0 39.0



#7

Phenol-d6

Concen: 117.34 ng

RT: 6.543 min Scan# 368

Delta R.T. -0.012 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

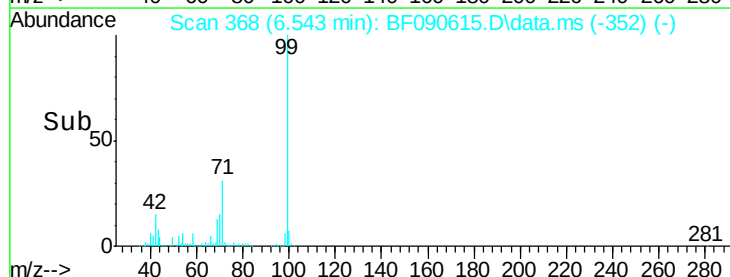
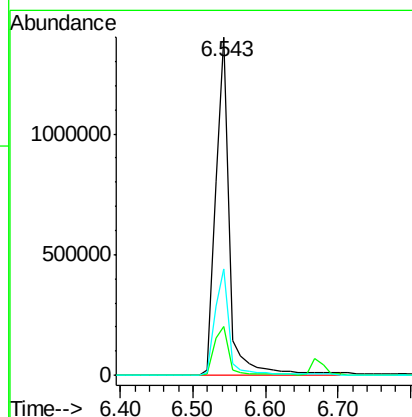
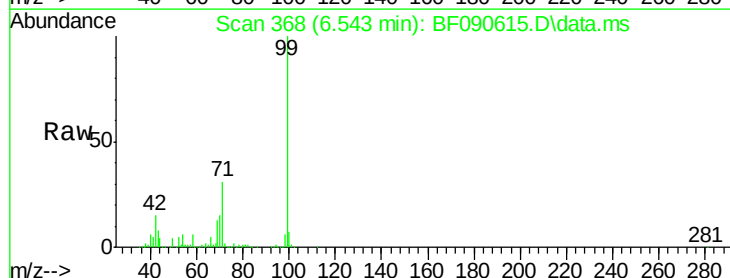
Tgt Ion: 99 Resp: 1836473

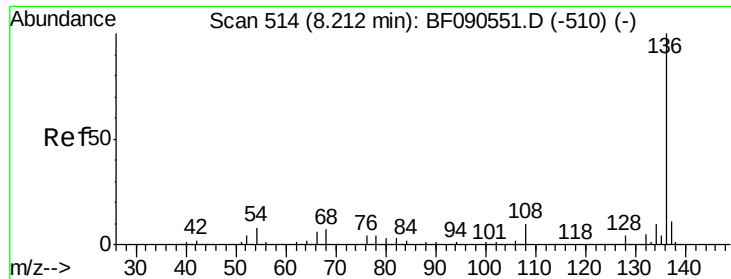
Ion Ratio Lower Upper

99 100

42 14.5 14.7 22.1#

71 31.5 27.6 41.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.189 min Scan# 51

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

Tot Ion:136 Resp: 832197

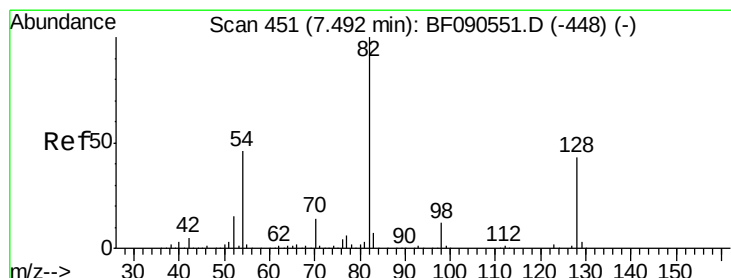
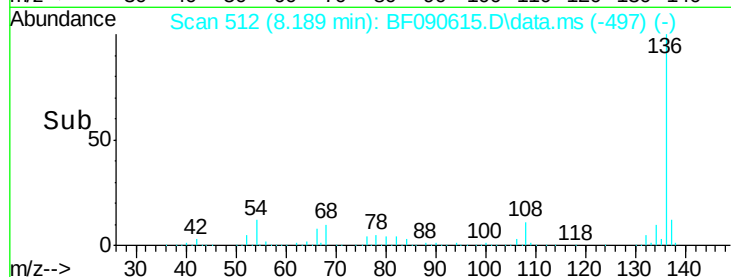
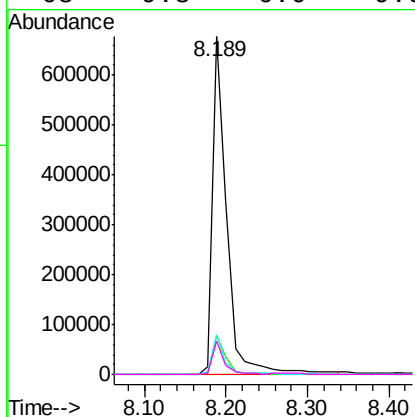
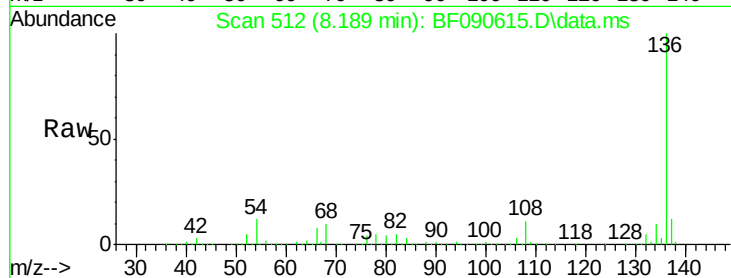
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 11.9 6.8 10.2#

68 9.8 6.0 9.0#



#23

Nitrobenzene-d5

Concen: 73.30 ng

RT: 7.469 min Scan# 449

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

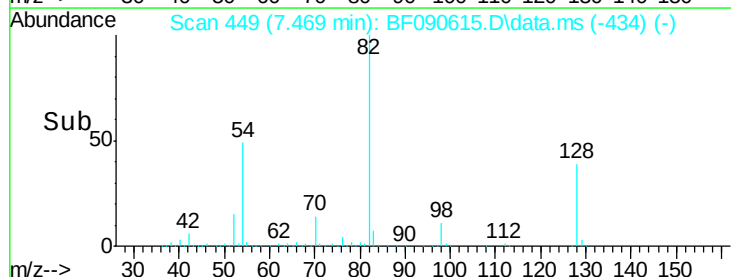
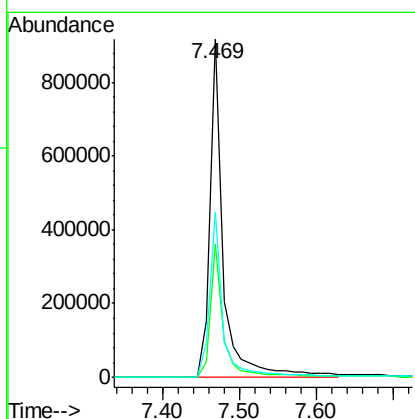
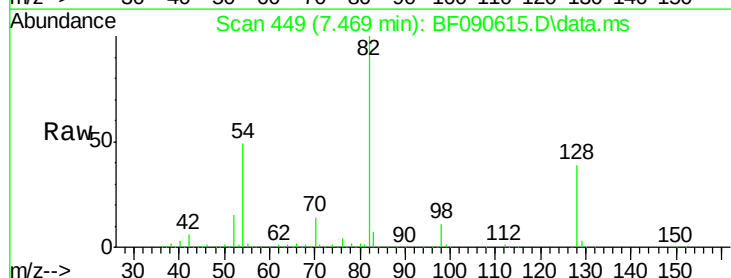
Tgt Ion: 82 Resp: 1098155

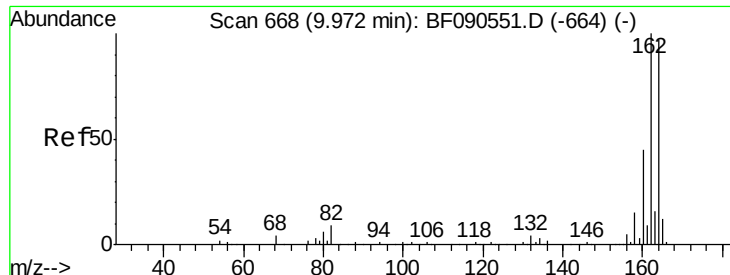
Ion Ratio Lower Upper

82 100

128 39.3 34.3 51.5

54 48.8 37.0 55.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.949 min Scan# 66

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

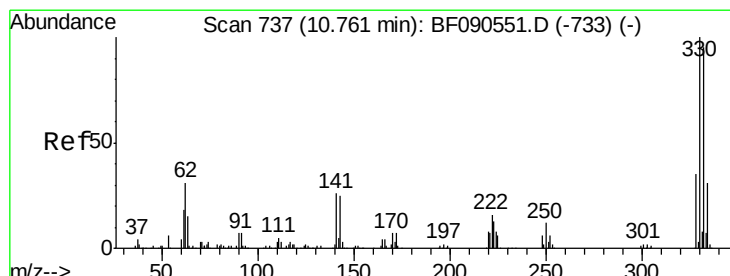
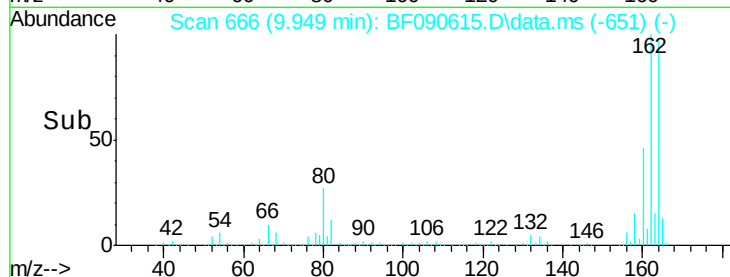
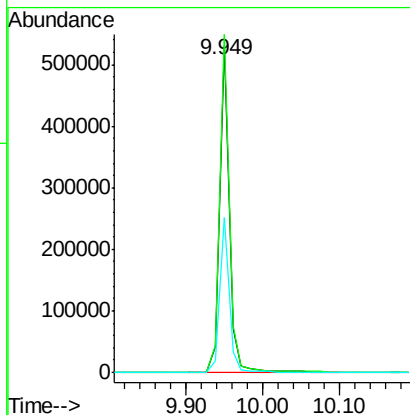
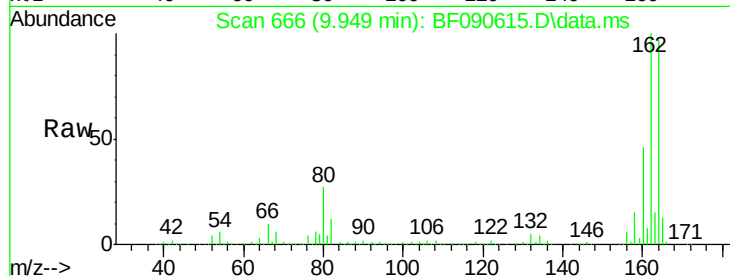
Tot Ion:164 Resp: 463378

Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.4

160 47.6 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 87.03 ng

RT: 10.738 min Scan# 735

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

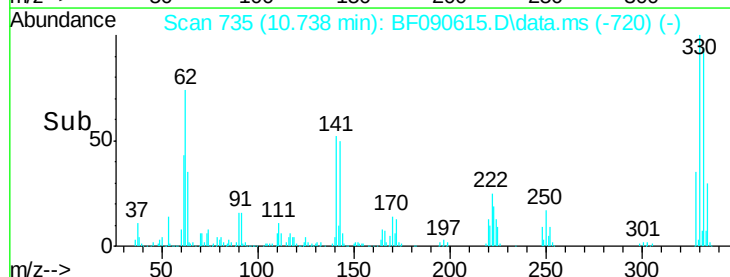
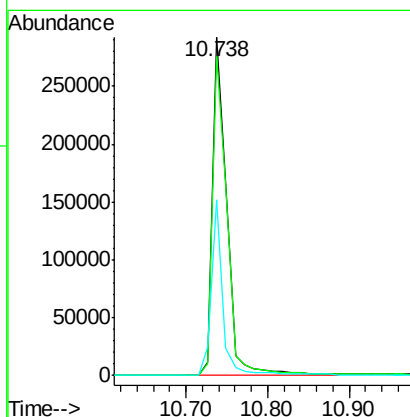
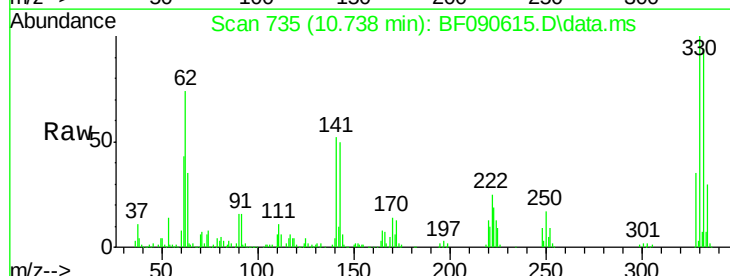
Tgt Ion:330 Resp: 359552

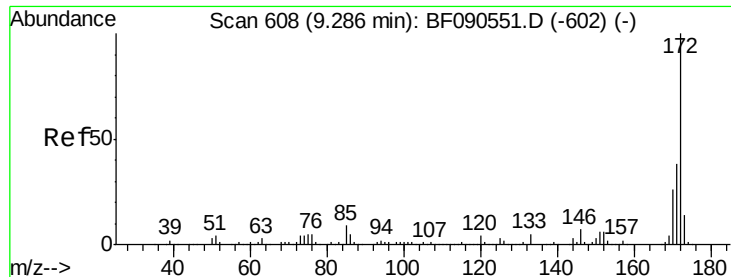
Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.2

141 42.1 31.4 47.2

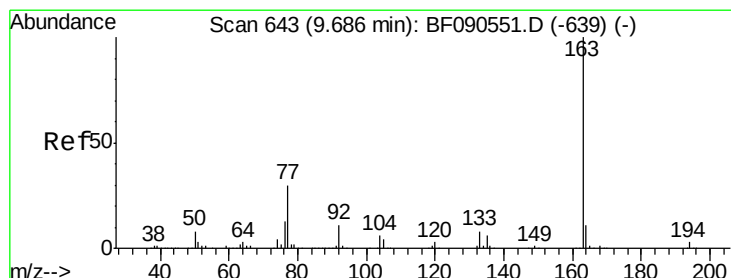
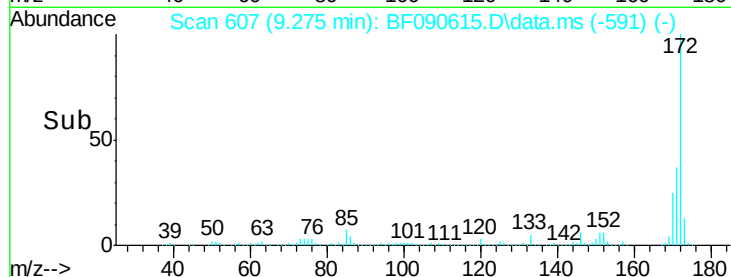
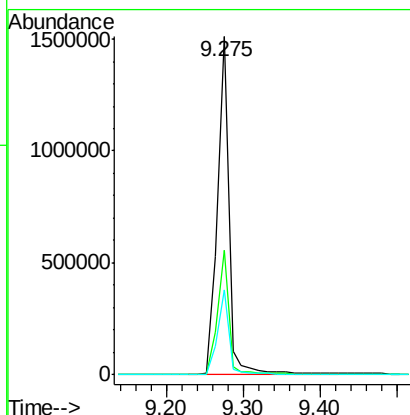
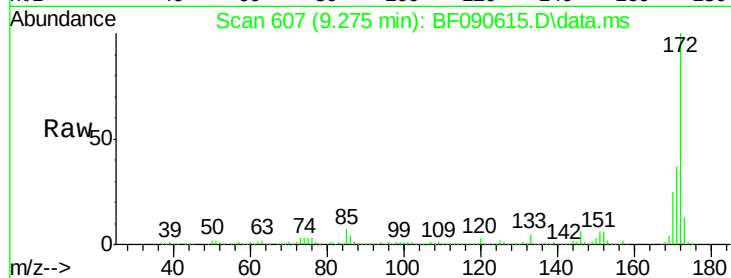




#44
2-Fluorobiphenyl
Concen: 56.56 ng
RT: 9.275 min Scan# 60
Delta R.T. -0.012 min
Lab File: BF090615.D
Acq: 17 Oct 2016 18:44

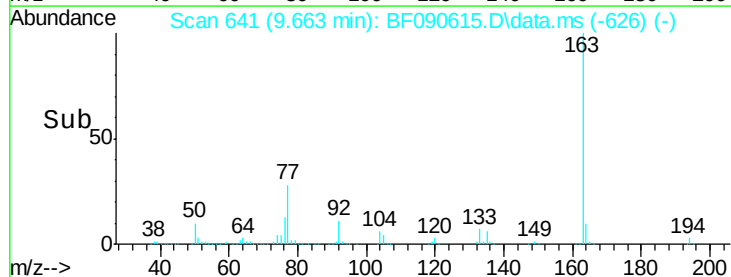
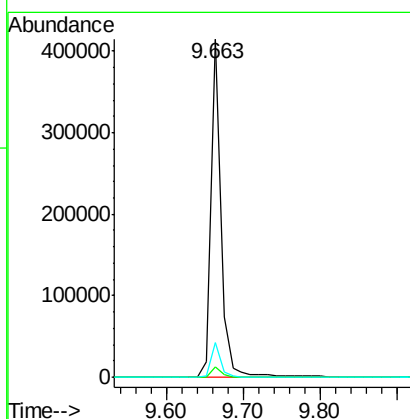
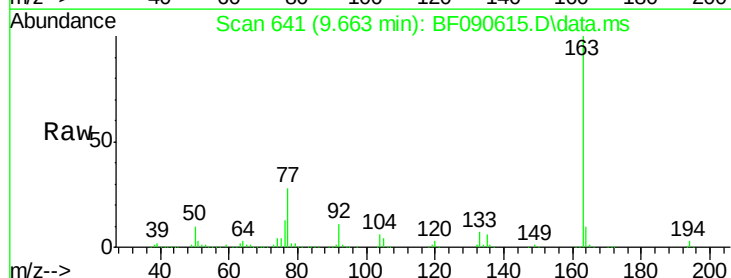
Instrument :
BNA_F
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EME-PLANTING-SOIL

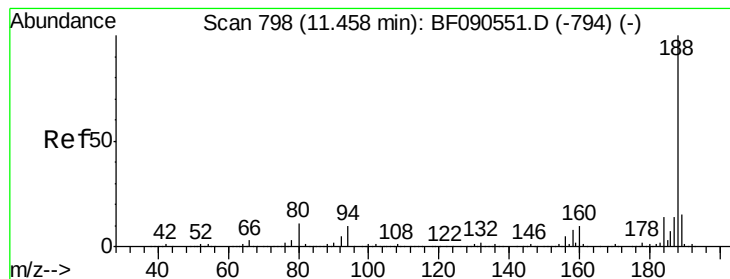
Tot Ion:172 Resp: 1590546
Ion Ratio Lower Upper
172 100
171 36.9 30.1 45.1
170 24.9 20.6 30.8



#49
Dimethylphthalate
Concen: 12.48 ng
RT: 9.663 min Scan# 641
Delta R.T. -0.023 min
Lab File: BF090615.D
Acq: 17 Oct 2016 18:44

Tgt Ion:163 Resp: 375089
Ion Ratio Lower Upper
163 100
194 3.0 2.3 3.5
164 10.3 8.6 13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.435 min Scan# 79

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

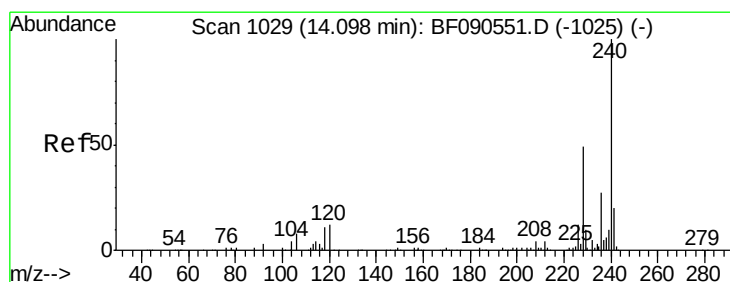
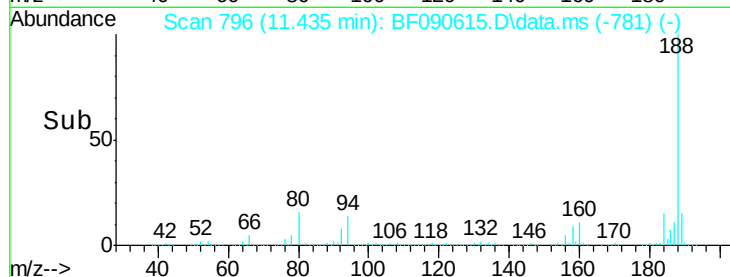
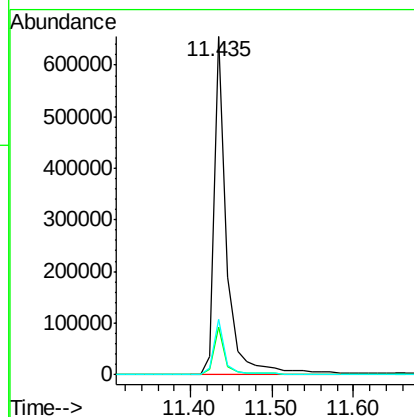
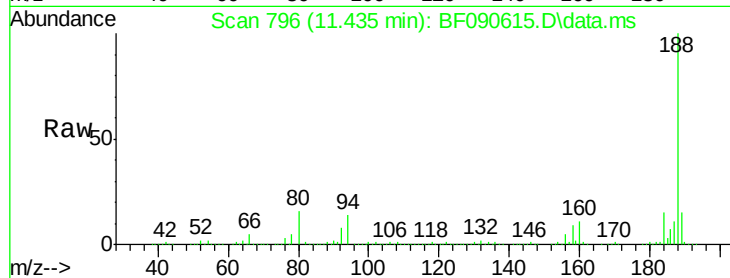
Tot Ion:188 Resp: 711288

Ion Ratio Lower Upper

188 100

94 14.1 7.7 11.5#

80 16.4 8.6 12.8#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.075 min Scan# 1027

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

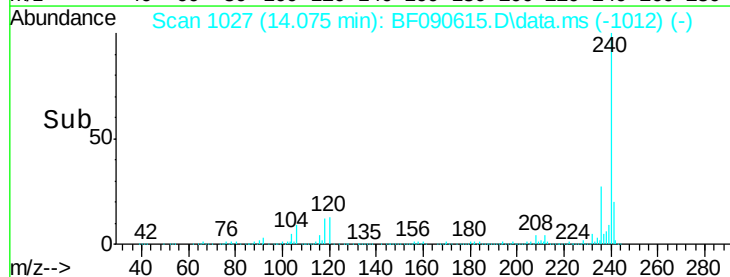
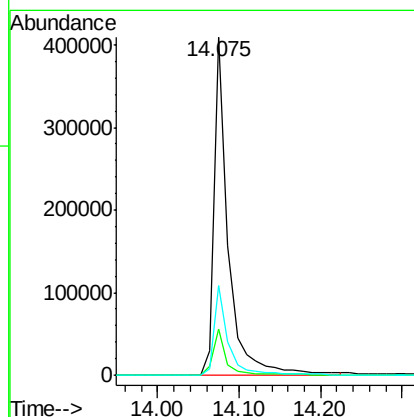
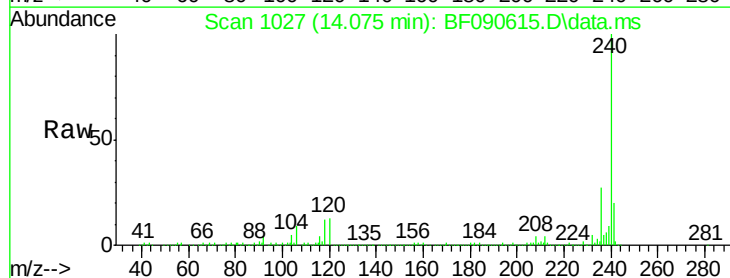
Tgt Ion:240 Resp: 505113

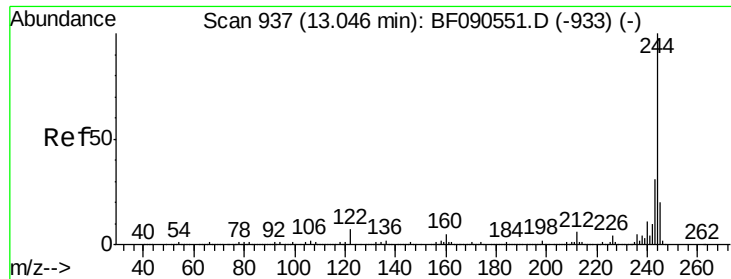
Ion Ratio Lower Upper

240 100

120 13.5 9.8 14.8

236 26.6 21.7 32.5





#78

Terphenyl-d14

Concen: 61.63 ng

RT: 13.023 min Scan# 93

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Instrument :

BNA_F

ClientSampleId :

EME-PLANTING-SOIL

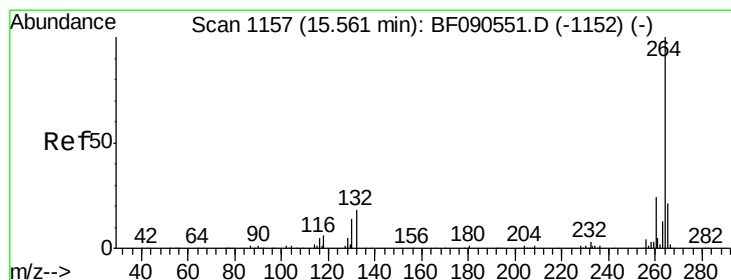
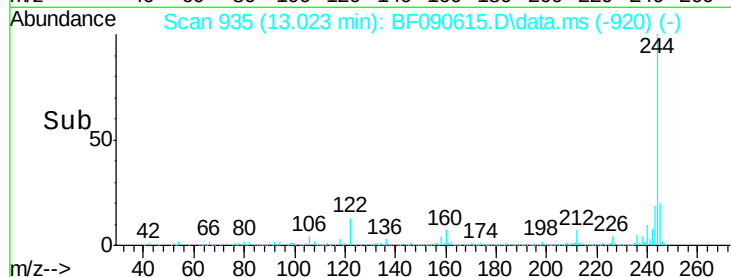
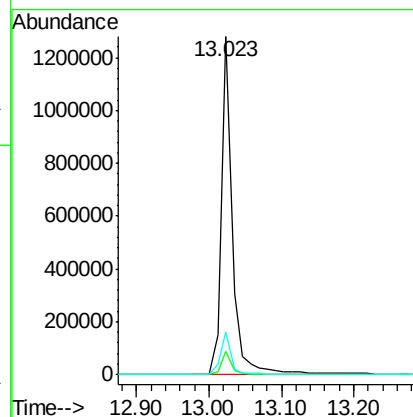
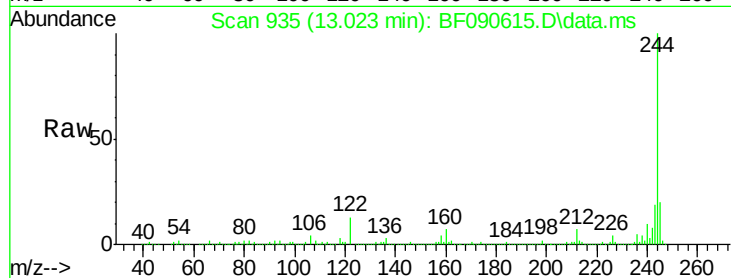
Tot Ion:244 Resp: 1336879

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

122 12.6 5.6 8.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.538 min Scan# 1155

Delta R.T. -0.023 min

Lab File: BF090615.D

Acq: 17 Oct 2016 18:44

Tgt Ion:264 Resp: 433154

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 21.5 16.7 25.1

