

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080524.D
 Acq On : 16 Jul 2015 22:12
 Operator : TP/UM
 Sample : G2925-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Quant Time: Jul 17 07:11:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 17:11:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	29829	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	127889	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	60511	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	119474	20.00	ng	0.00
75) Chrysene-d12	14.41	240	102251	20.00	ng	-0.02
86) Perylene-d12	16.10	264	94125	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	148311	84.76	ng	0.01
7) Phenol-d6	6.72	99	192513	81.02	ng	0.00
23) Nitrobenzene-d5	7.64	82	133200	61.14	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	46473	98.71	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	276066	62.08	ng	0.00
78) Terphenyl-d14	13.22	244	296414	60.11	ng	-0.01

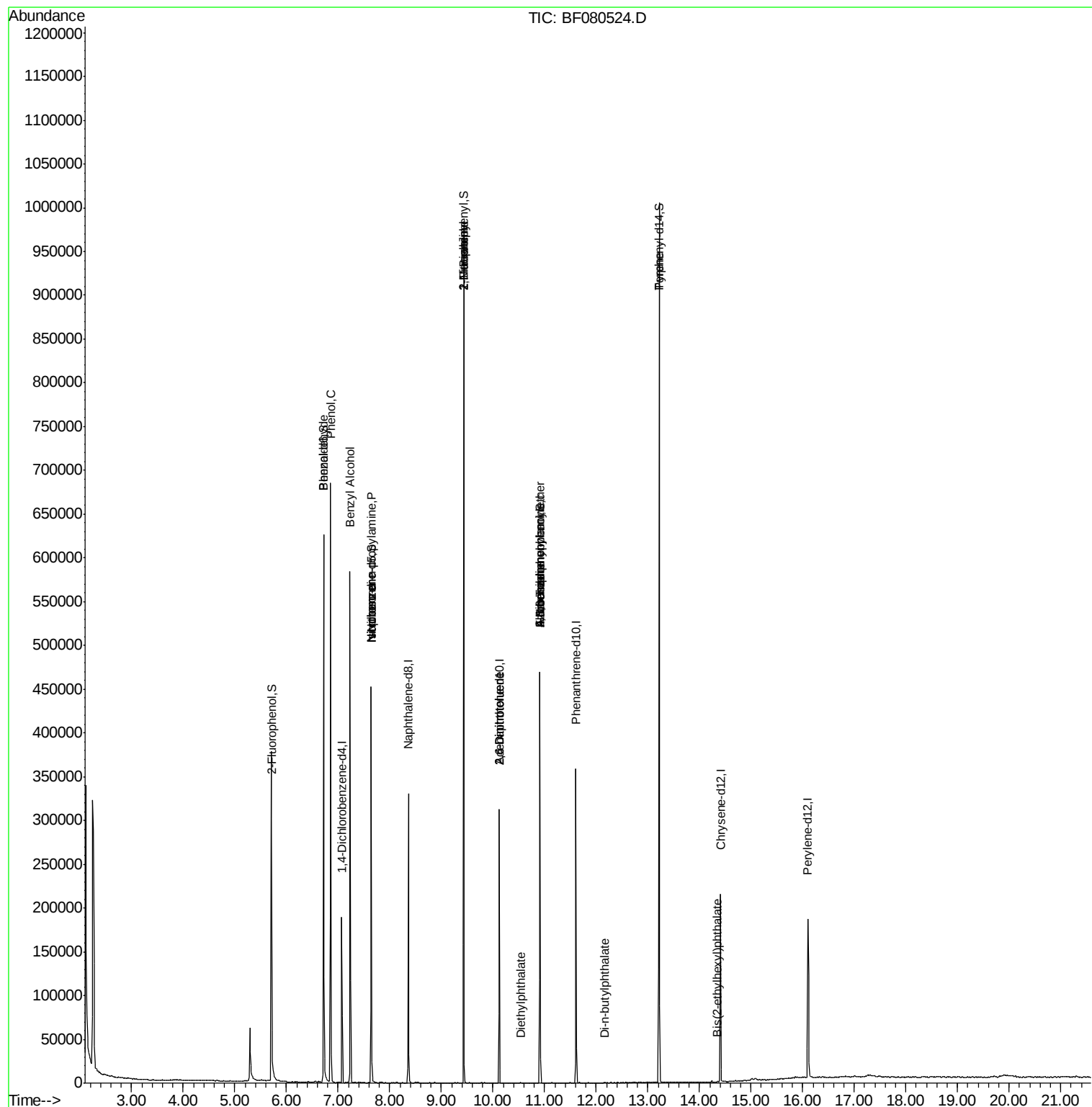
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	219	0.14	ng	# 1
10) Phenol	6.85	94	223	0.09	ng	# 1
15) Benzyl Alcohol	7.23	79	2321	1.40	ng	# 31
19) n-Nitroso-di-n-propylamine	7.64	70	16812	11.66	ng	# 63
24) Nitrobenzene	7.64	77	287	0.13	ng	# 20
25) Isophorone	7.64	82	133197	34.61	ng	# 58
45) 1,1'-Biphenyl	9.44	154	656	0.13	ng	# 1
47) 2-Nitroaniline	9.44	65	368	0.39	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	7256	8.93	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	7256	6.17	ng	# 31
57) Fluorene	10.91	166	2539	0.61	ng	# 83
59) Diethylphthalate	10.53	149	272	0.07	ng	# 59
62) Azobenzene	10.91	77	217	0.05	ng	# 44
65) n-Nitrosodiphenylamine	10.91	169	1865	0.46	ng	# 38
66) 4-Bromophenyl-phenylether	10.91	248	4137	3.56	ng	# 1
73) Di-n-butylphthalate	12.16	149	409	0.06	ng	# 78
77) Pyrene	13.22	202	915	0.14	ng	# 40
83) Bis(2-ethylhexyl)phthalate	14.35	149	625	0.18	ng	# 50

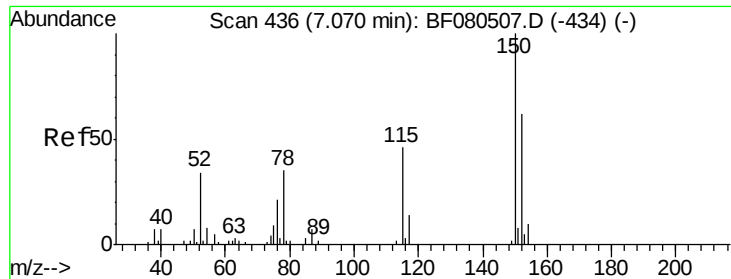
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampled :

TEC-E1

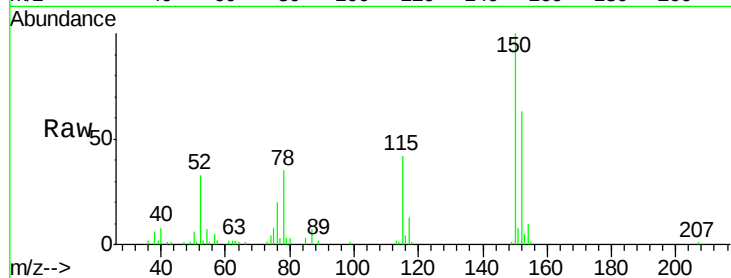
Tot Ion:152 Resp: 29829

Ion Ratio Lower Upper

152 100

150 157.5 124.7 187.1

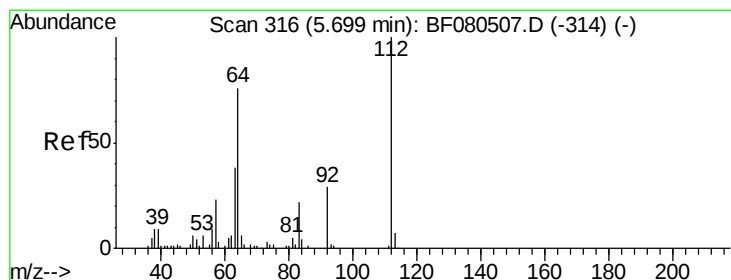
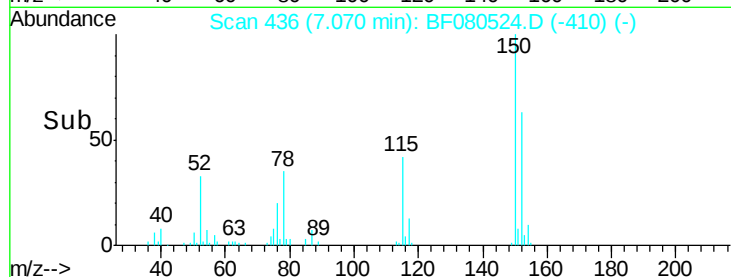
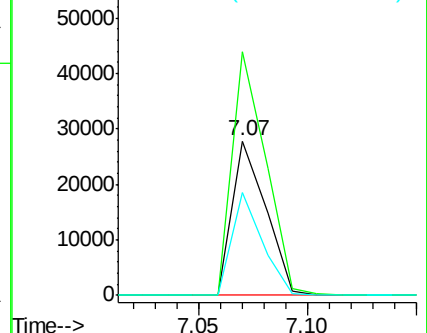
115 66.8 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 84.76 ng

RT: 5.71 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

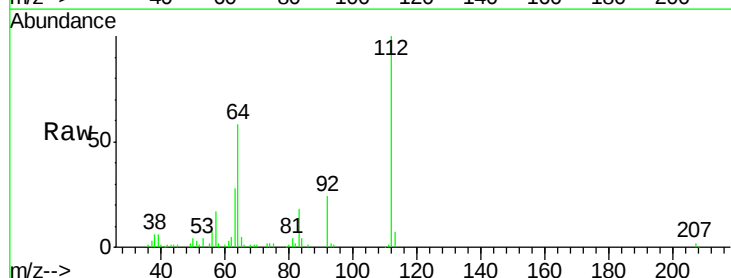
Tgt Ion:112 Resp: 148311

Ion Ratio Lower Upper

112 100

64 57.9 39.7 59.5

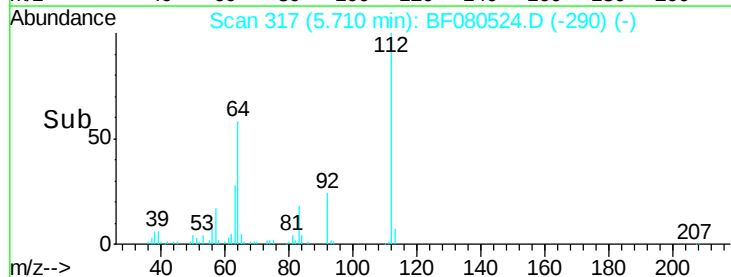
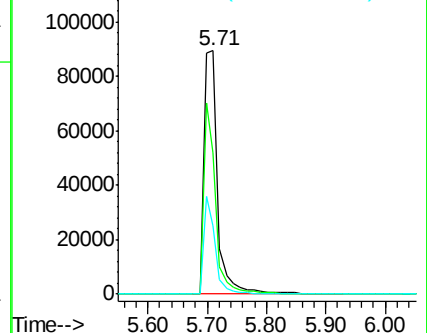
63 28.1 17.4 26.0#

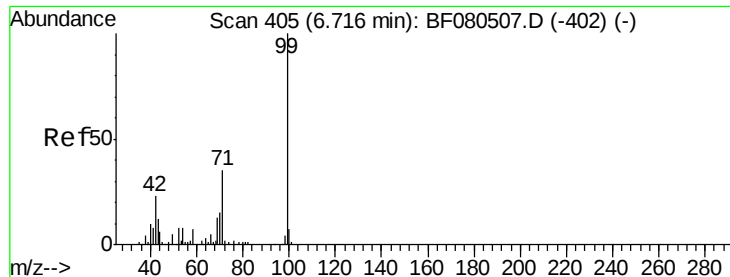


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.02 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampled :

TEC-E1

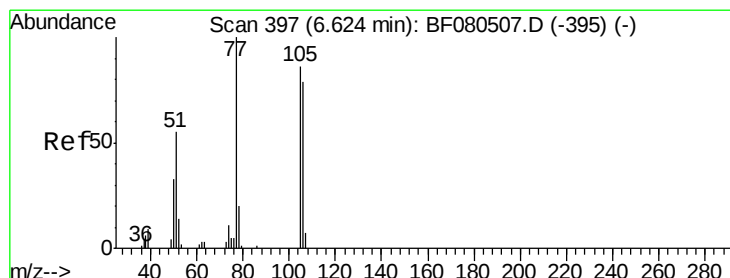
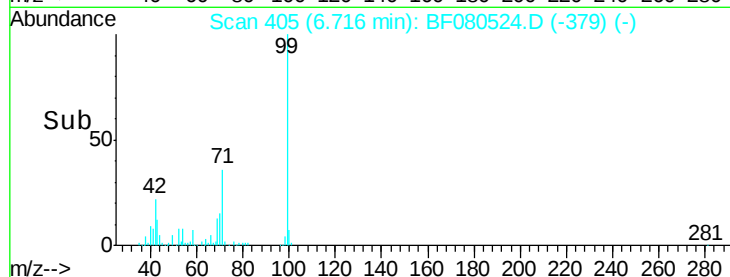
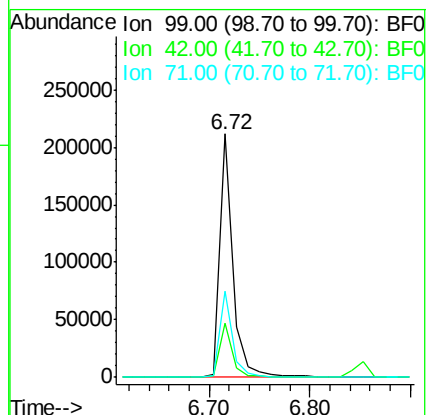
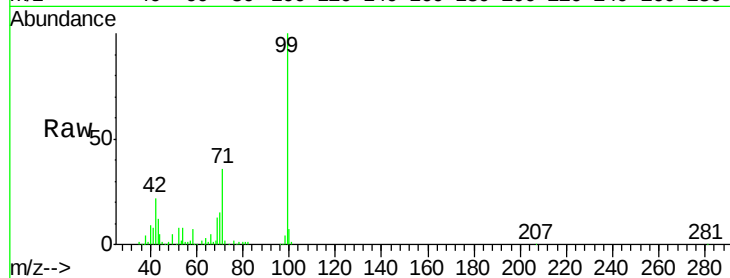
Tot Ion: 99 Resp: 192513

Ion Ratio Lower Upper

99 100

42 22.1 13.7 20.5#

71 35.6 14.2 21.2#



#9

Benzaldehyde

Concen: 0.14 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.09 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

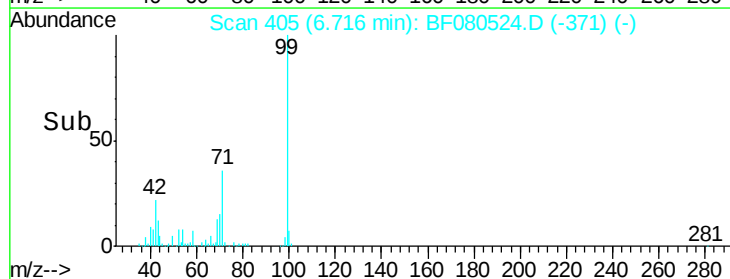
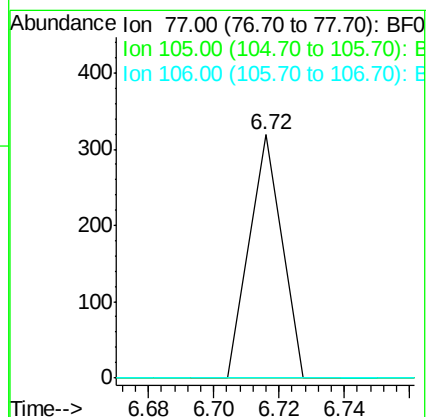
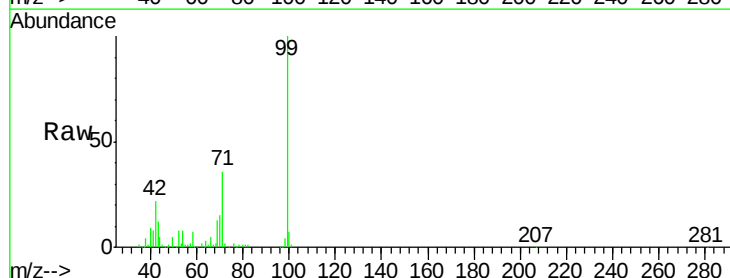
Tgt Ion: 77 Resp: 219

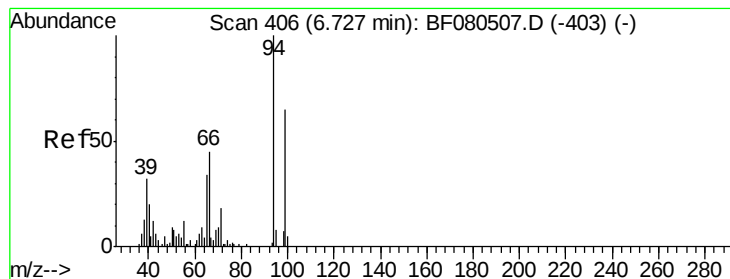
Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

106 0.0 102.6 142.6#





#10

Phenol

Concen: 0.09 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.13 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

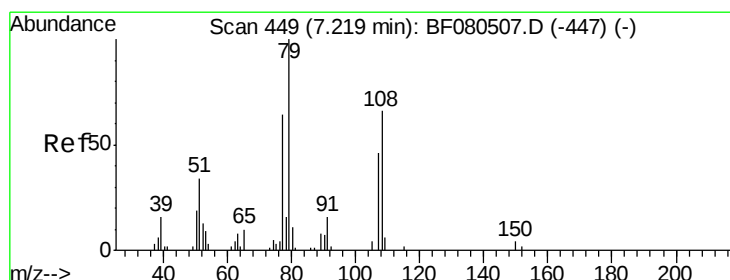
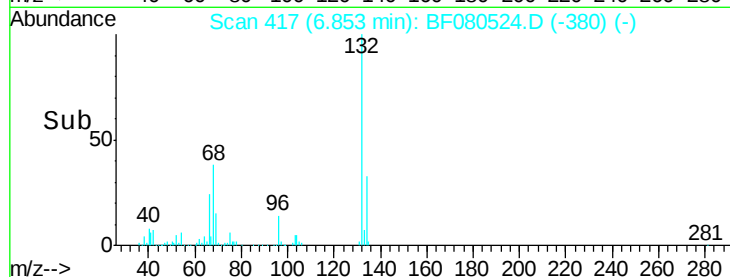
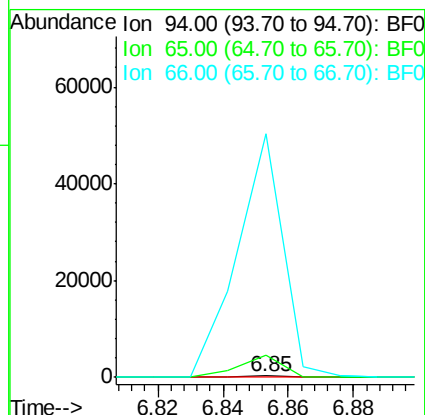
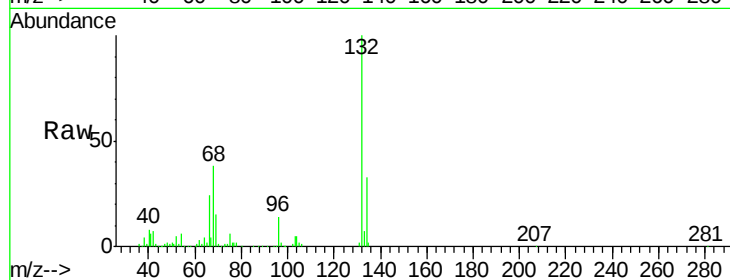
Tot Ion: 94 Resp: 223

Ion Ratio Lower Upper

94 100

65 1419.1 0.7 40.7#

66 15483.1 0.8 40.8#



#15

Benzyl Alcohol

Concen: 1.40 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

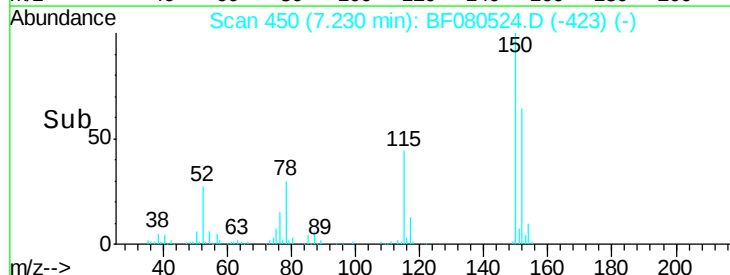
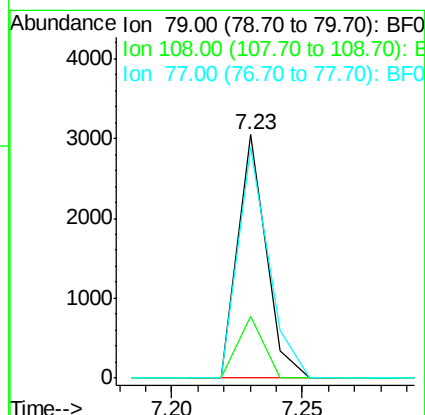
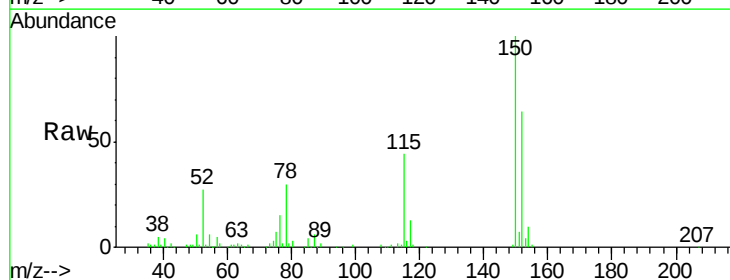
Tgt Ion: 79 Resp: 2321

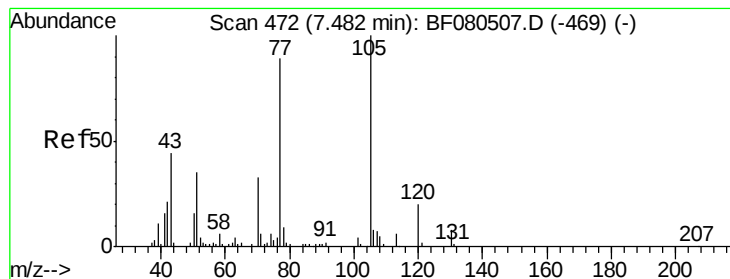
Ion Ratio Lower Upper

79 100

108 25.5 88.6 132.8#

77 94.7 47.0 70.4#





#19

n-Nitroso-di-n-propylamine

Concen: 11.66 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.16 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

Tot Ion: 70 Resp: 16812

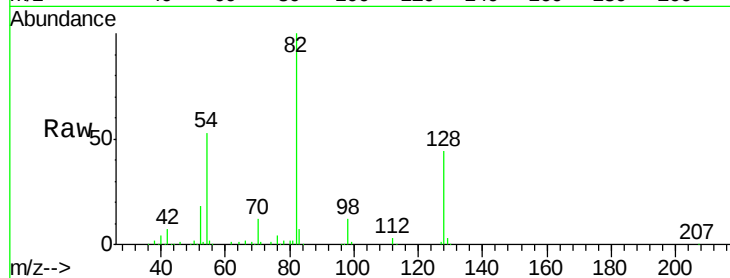
Ion Ratio Lower Upper

70 100

42 52.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#

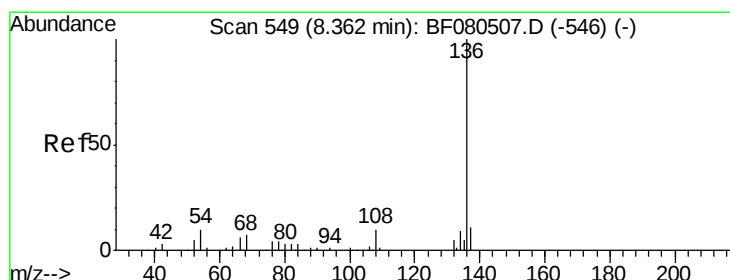
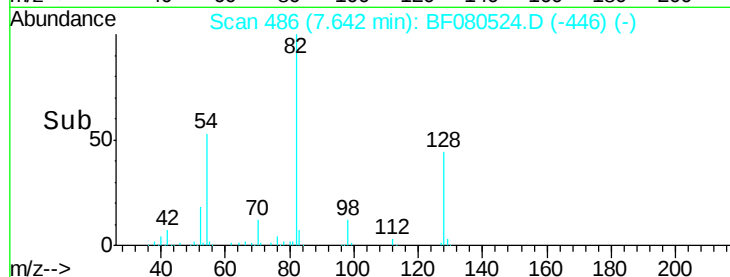
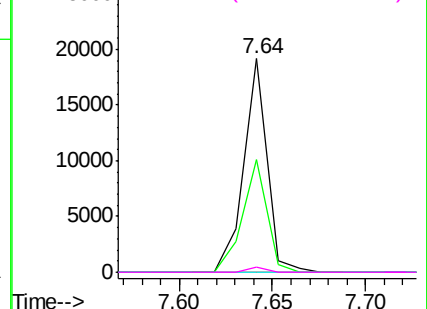


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.36 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Tgt Ion: 136 Resp: 127889

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 9.2 8.2 12.2

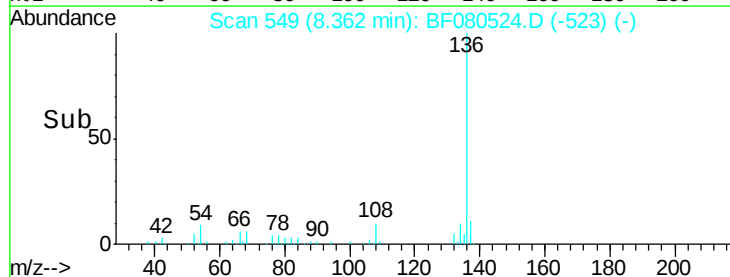
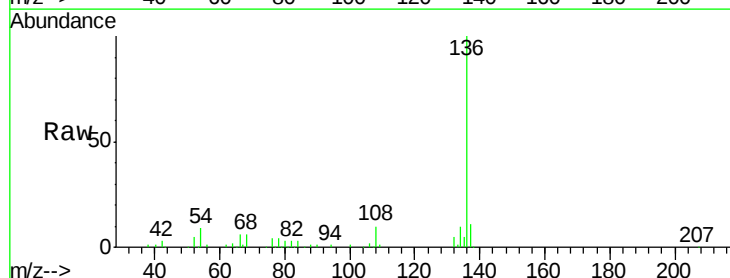
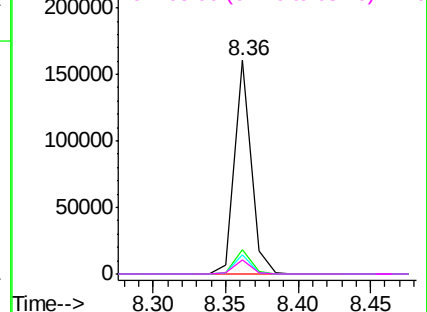
68 6.5 5.8 8.6

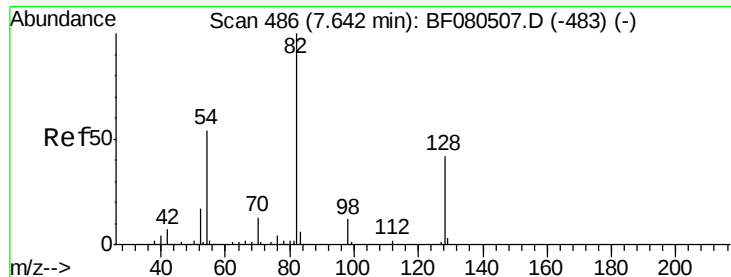
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

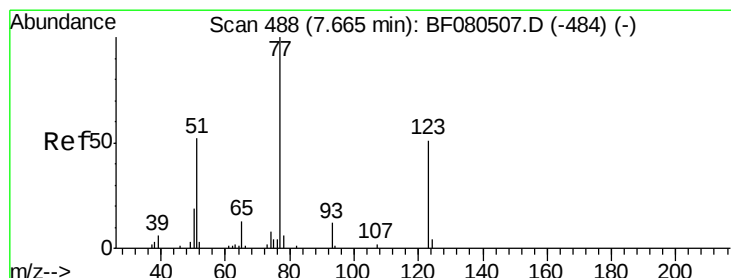
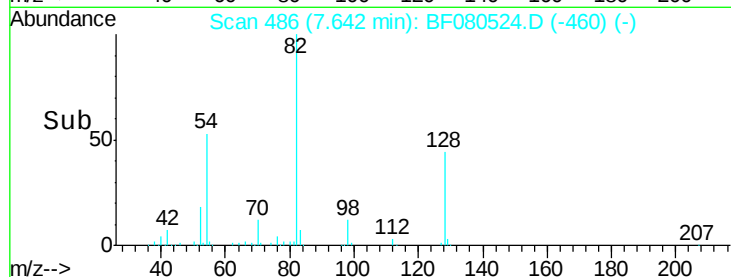
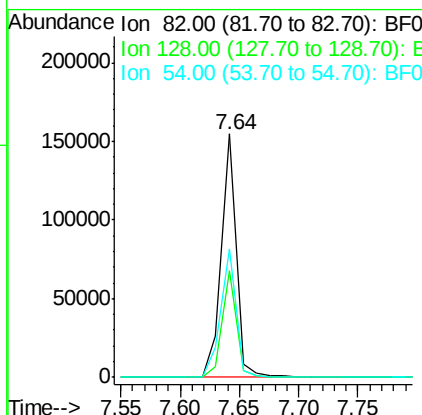
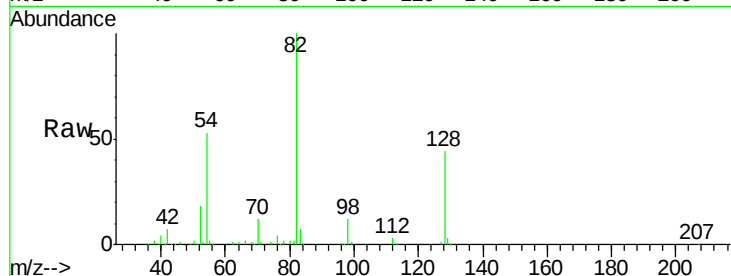




#23
 Nitrobenzene-d5
 Concen: 61.14 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

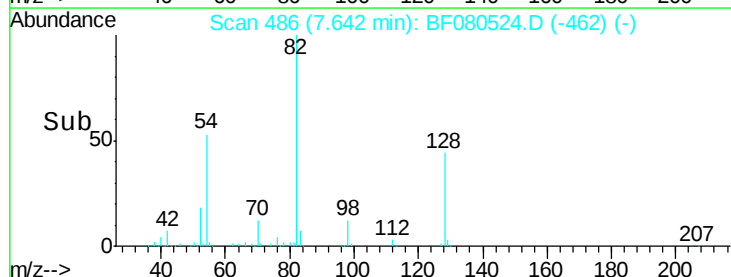
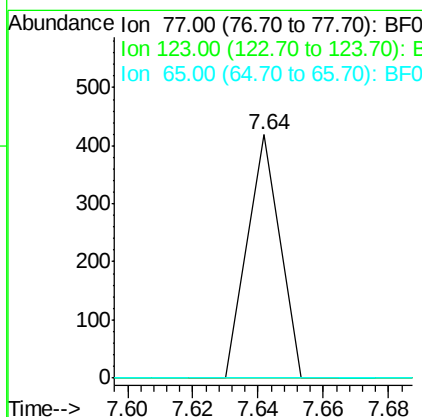
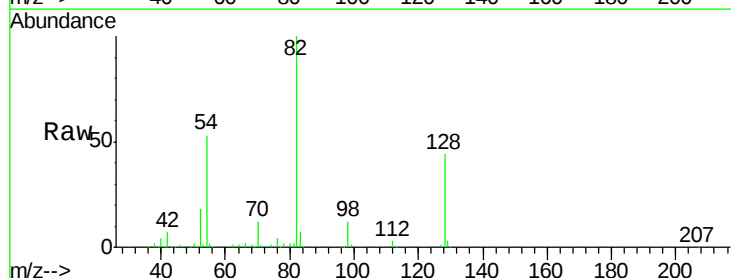
Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

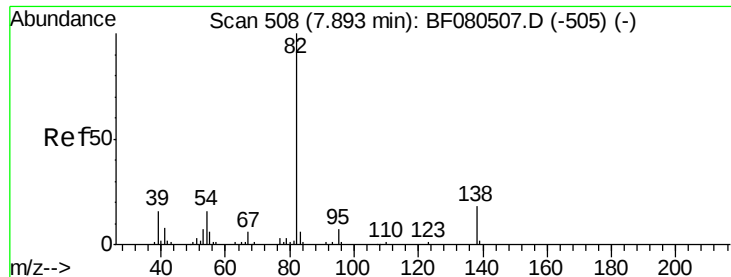
Tot Ion: 82 Resp: 133200
 Ion Ratio Lower Upper
 82 100
 128 43.8 51.0 76.6#
 54 52.7 47.5 71.3



#24
 Nitrobenzene
 Concen: 0.13 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

Tgt Ion: 77 Resp: 287
 Ion Ratio Lower Upper
 77 100
 123 0.0 59.8 89.8#
 65 0.0 10.2 15.4#





#25

Isophorone

Concen: 34.61 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

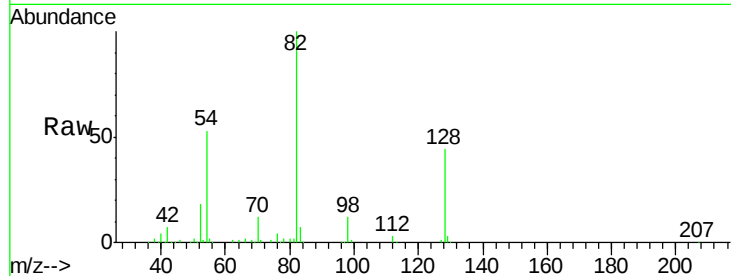
Tot Ion: 82 Resp: 133197

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

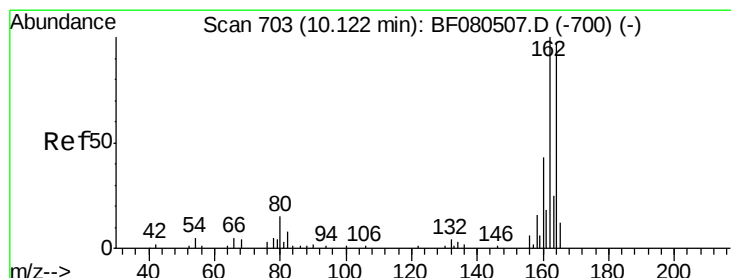
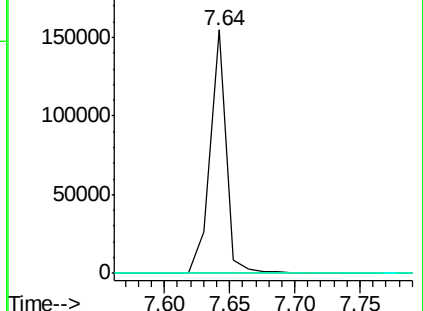
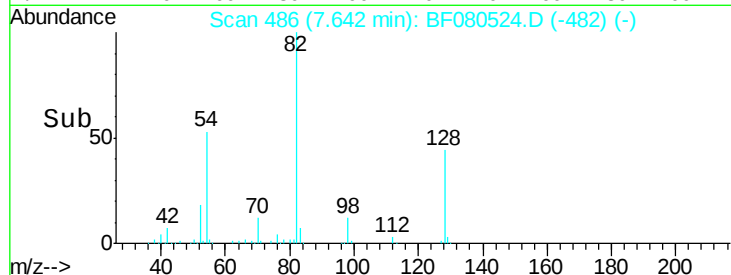
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

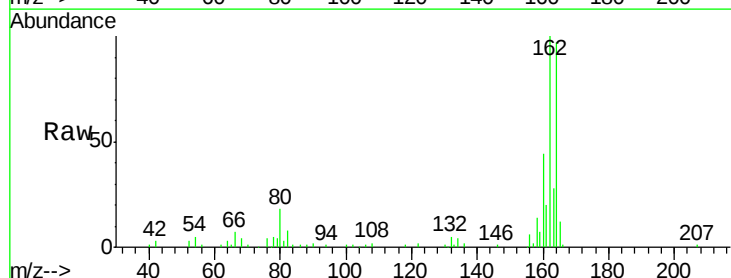
Tgt Ion:164 Resp: 60511

Ion Ratio Lower Upper

164 100

162 103.5 75.2 112.8

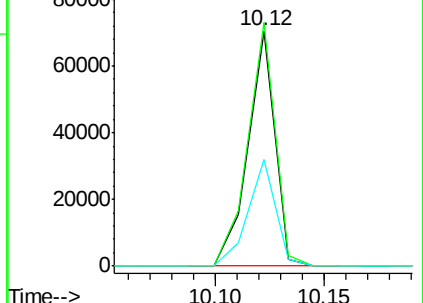
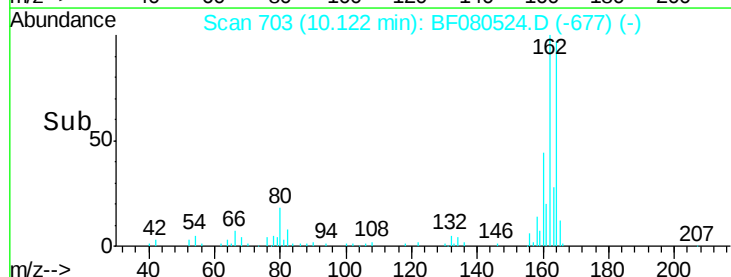
160 45.3 31.5 47.3

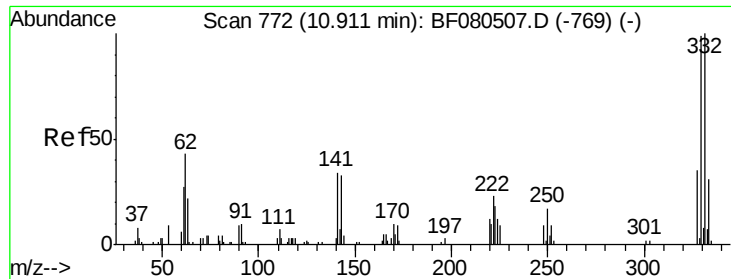


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

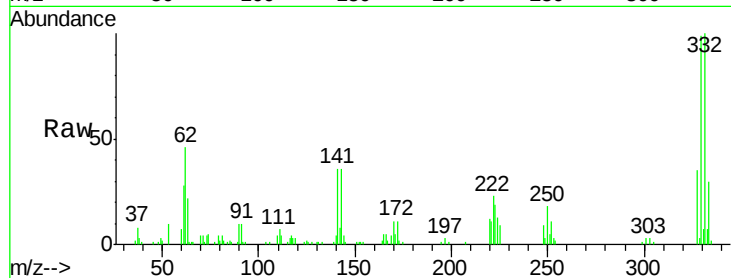




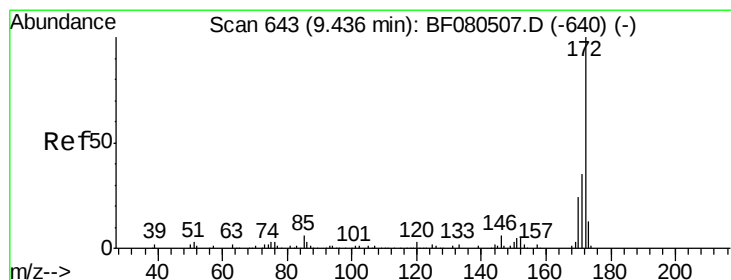
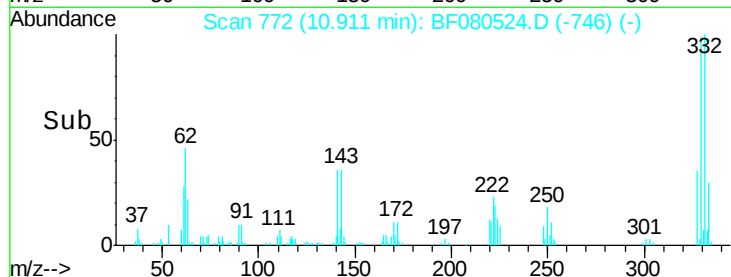
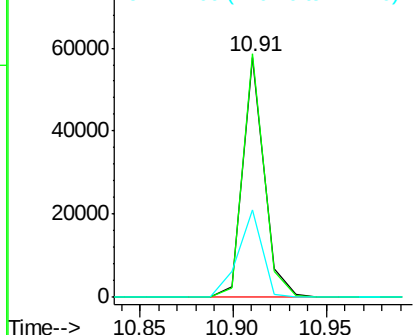
#41
 2,4,6-Tribromophenol
 Concen: 98.71 ng
 RT: 10.91 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	114.8
141	41.5	29.7	44.5

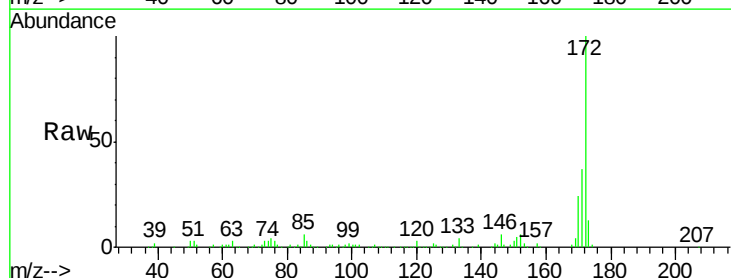


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

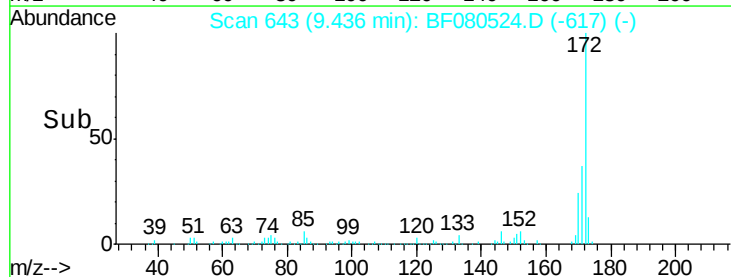
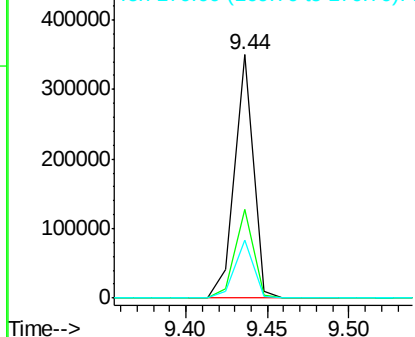


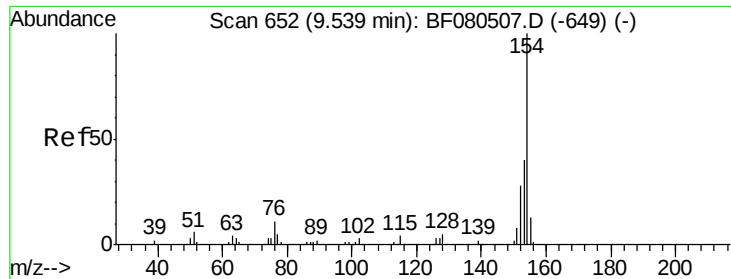
#44
 2-Fluorobiphenyl
 Concen: 62.08 ng
 RT: 9.44 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	26.1	39.1
170	23.7	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

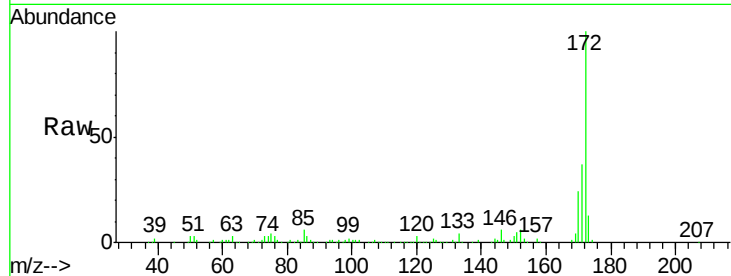
Tot Ion:154 Resp: 656

Ion Ratio Lower Upper

154 100

153 666.0 17.1 57.1#

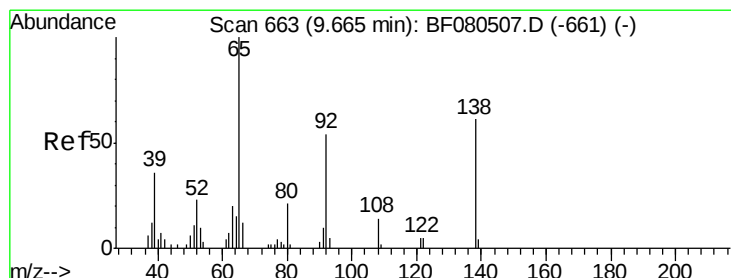
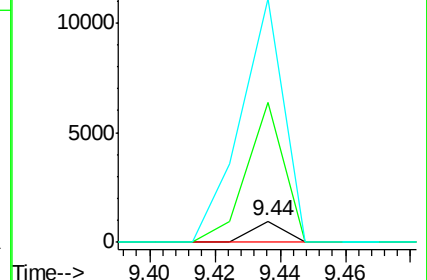
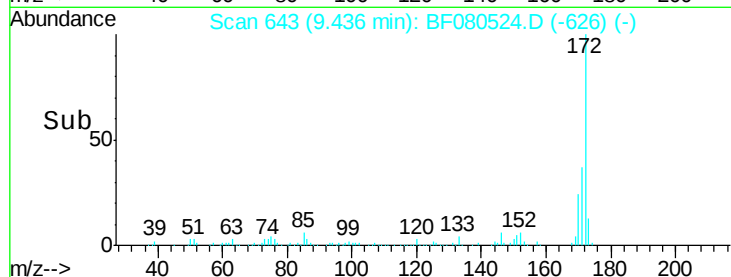
76 1158.4 0.0 31.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 0.39 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

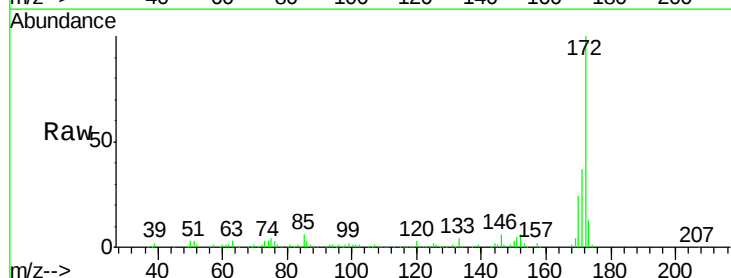
Tgt Ion: 65 Resp: 368

Ion Ratio Lower Upper

65 100

92 208.6 55.4 83.0#

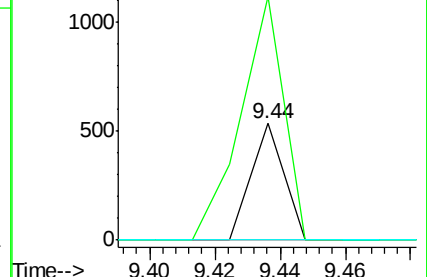
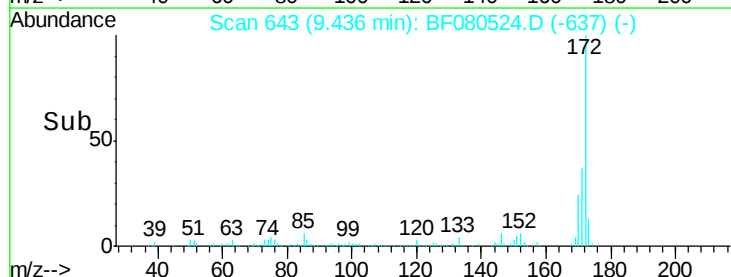
138 0.0 115.5 173.3#

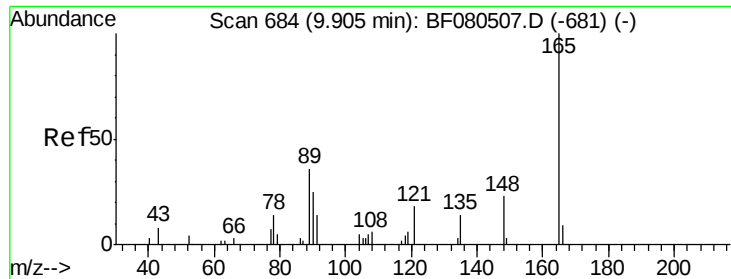


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

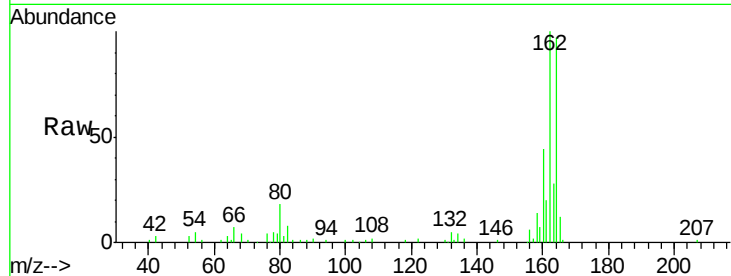




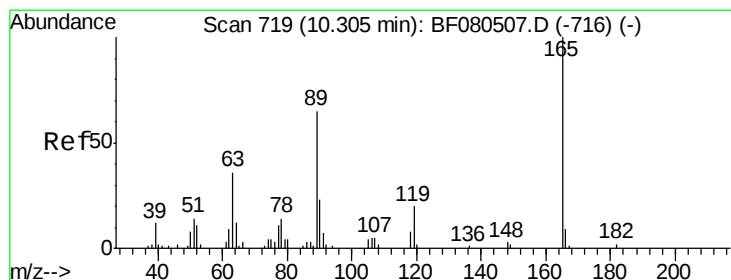
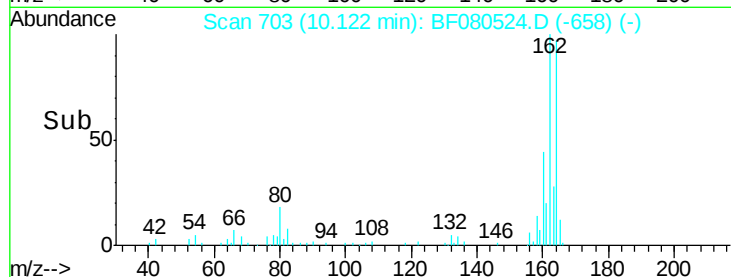
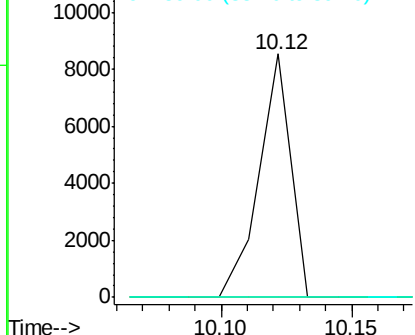
#50
2,6-Dinitrotoluene
Concen: 8.93 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.22 min
Lab File: BF080524.D
Acq: 16 Jul 2015 22:12

Instrument :
BNA_F
ClientSampled :
TEC-E1

Tot Ion:165 Resp: 7256
Ion Ratio Lower Upper
165 100
63 0.0 32.3 48.5#
89 0.0 28.6 43.0#

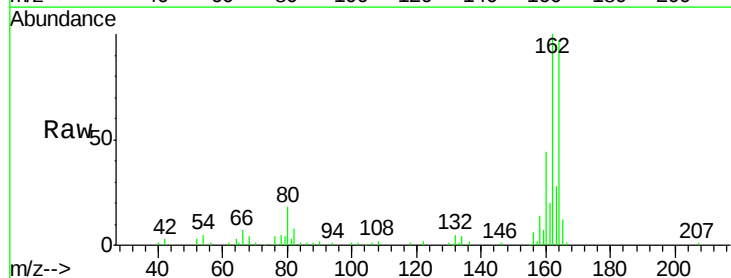


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

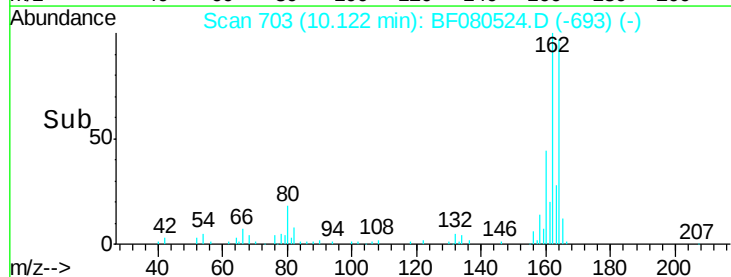
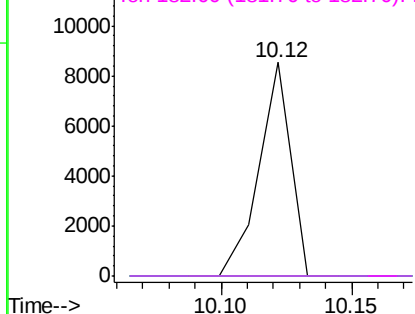


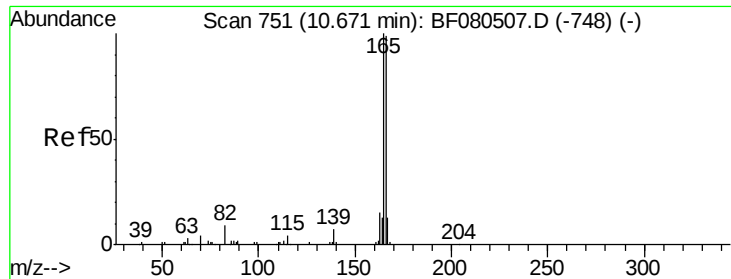
#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.18 min
Lab File: BF080524.D
Acq: 16 Jul 2015 22:12

Tgt Ion:165 Resp: 7256
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.61 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.24 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

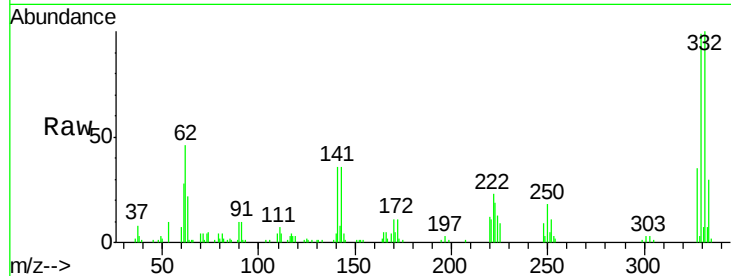
Tot Ion:166 Resp: 2539

Ion Ratio Lower Upper

166 100

165 100.9 72.6 109.0

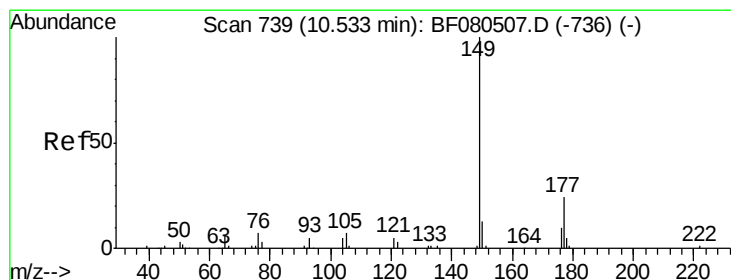
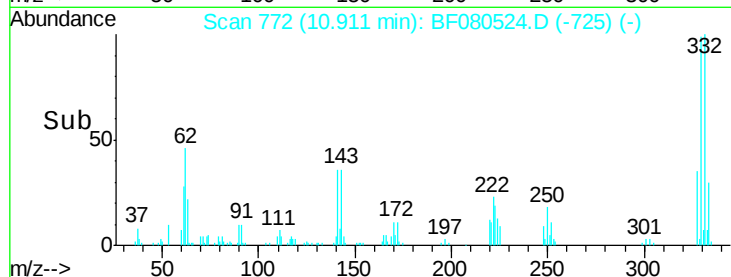
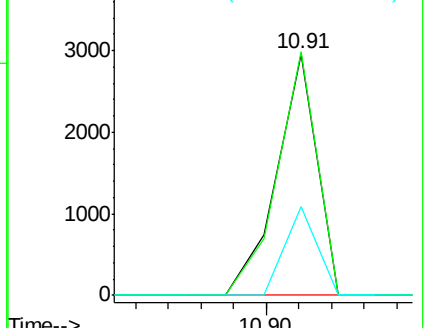
167 36.9 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.07 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

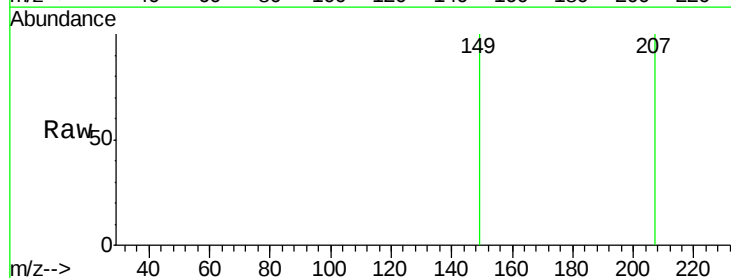
Tgt Ion:149 Resp: 272

Ion Ratio Lower Upper

149 100

177 0.0 17.5 26.3#

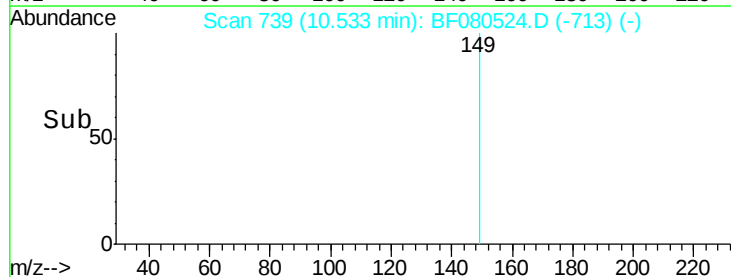
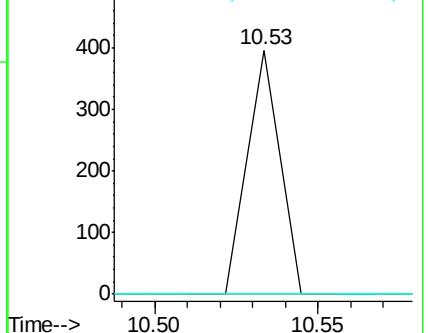
150 0.0 9.4 14.2#

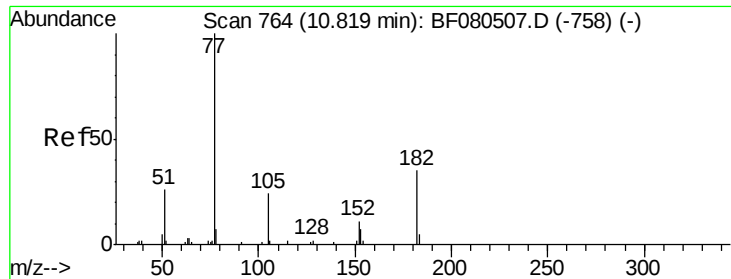


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.05 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.09 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

Tot Ion: 77 Resp: 217

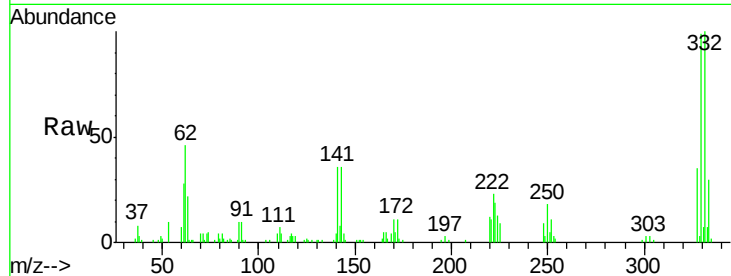
Ion Ratio Lower Upper

77 100

182 0.0 15.1 55.1#

105 0.0 3.4 43.4#

51 0.0 12.0 52.0#

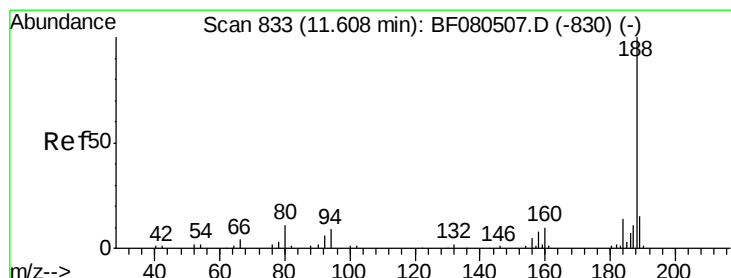
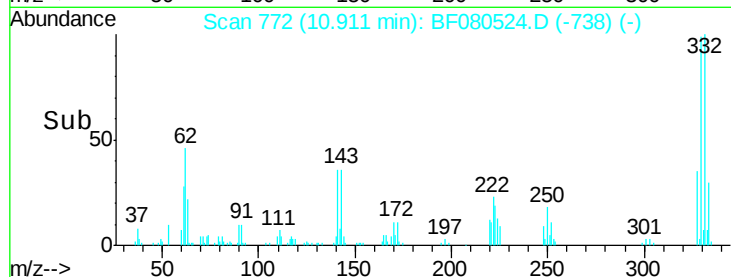
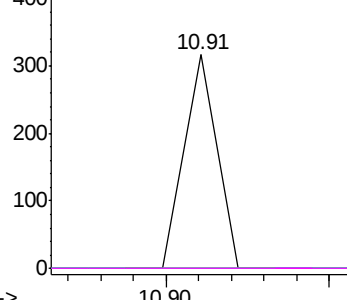


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

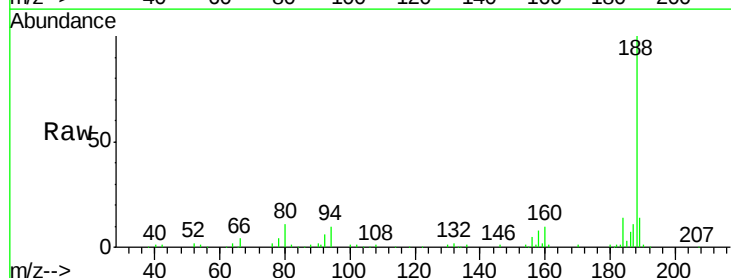
Tgt Ion: 188 Resp: 119474

Ion Ratio Lower Upper

188 100

94 10.1 11.1 16.7#

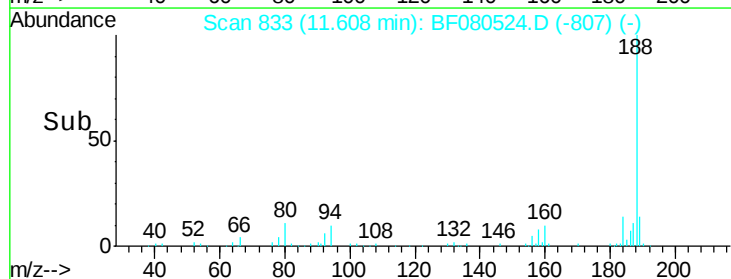
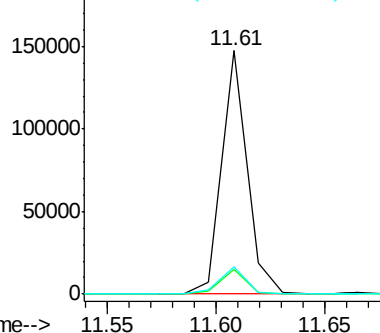
80 11.4 11.0 16.4

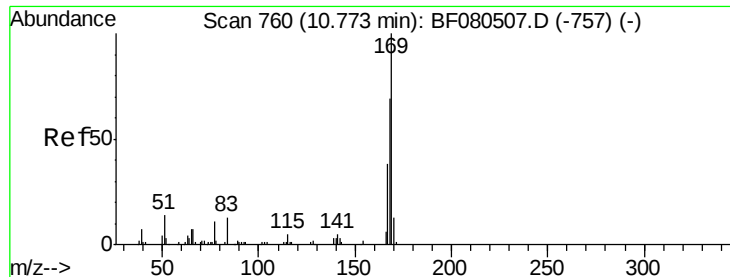


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.46 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

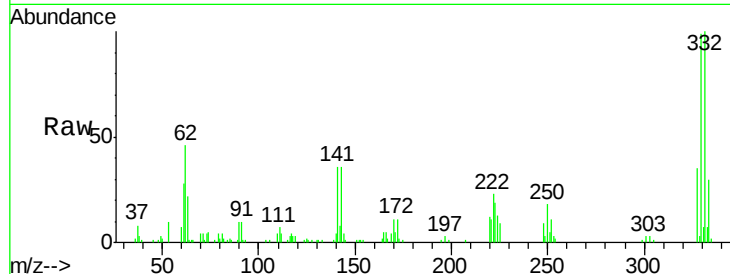
Tot Ion:169 Resp: 1865

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

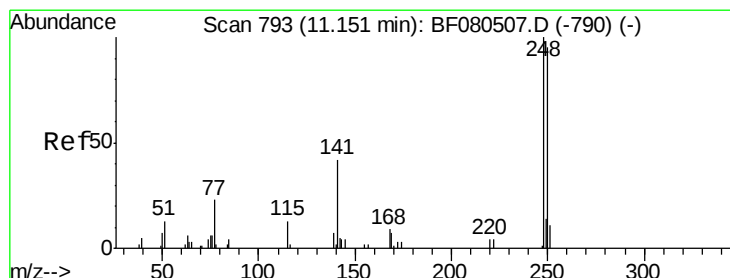
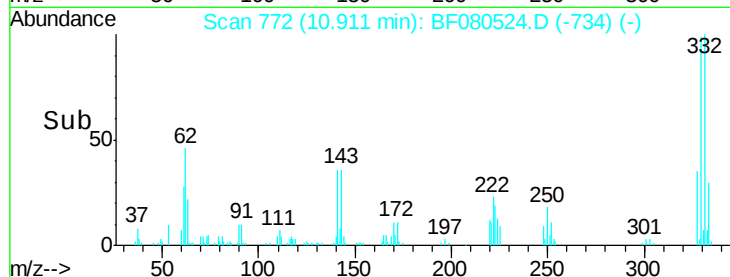
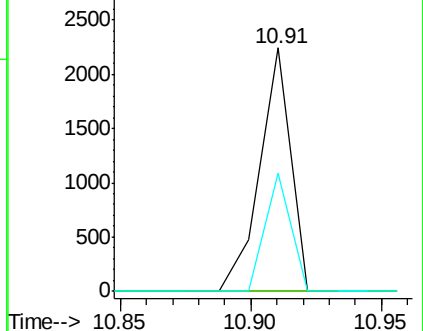
167 48.7 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.56 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

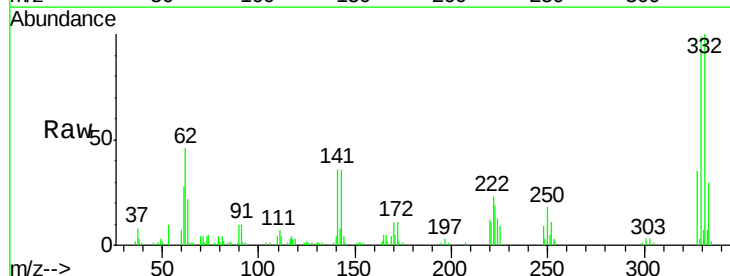
Tgt Ion:248 Resp: 4137

Ion Ratio Lower Upper

248 100

250 202.4 78.5 117.7#

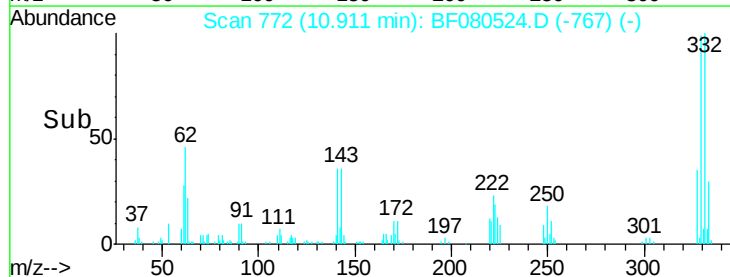
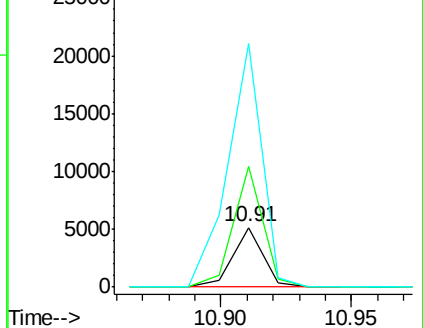
141 409.1 59.0 88.6#

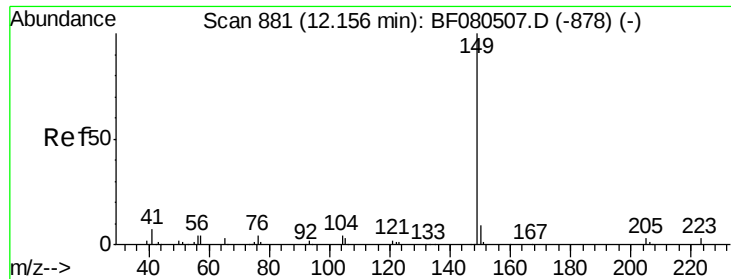


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: 0.06 ng

RT: 12.16 min Scan# 881

Delta R.T. -0.00 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

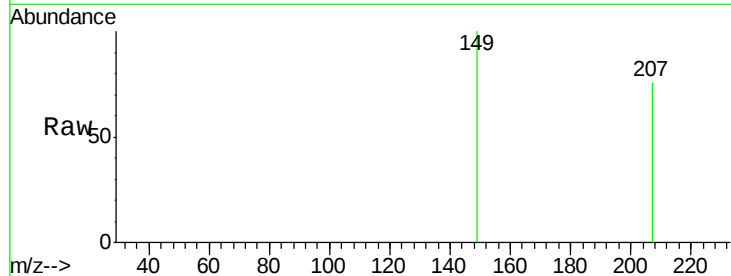
Tot Ion:149 Resp: 409

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

104 0.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

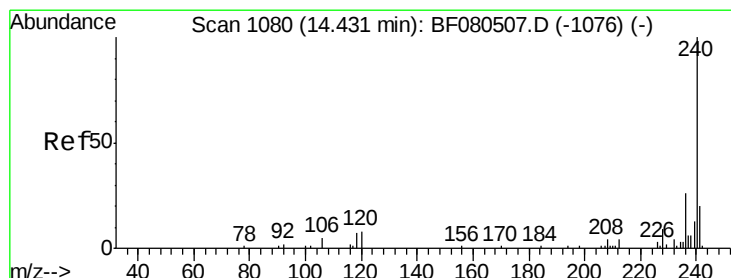
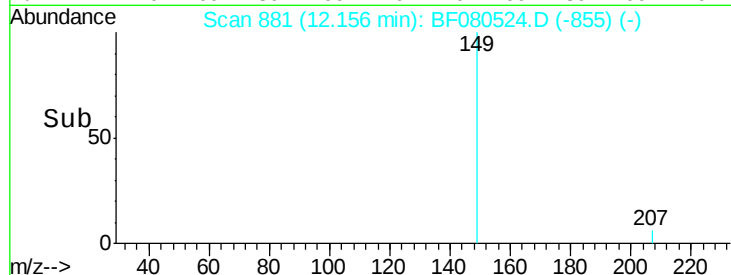
12.16

400

200

0

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.41 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

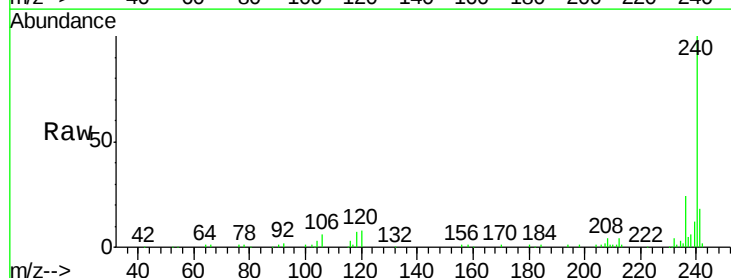
Tgt Ion:240 Resp: 102251

Ion Ratio Lower Upper

240 100

120 7.8 16.2 24.2#

236 23.9 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.41

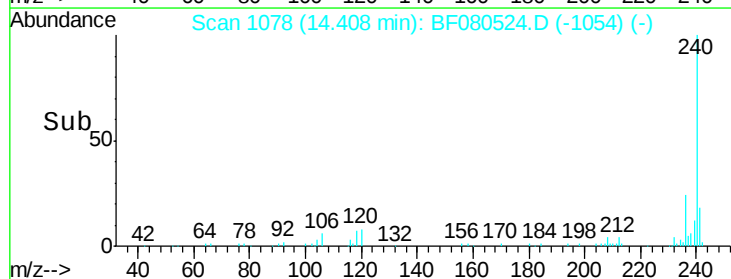
80000

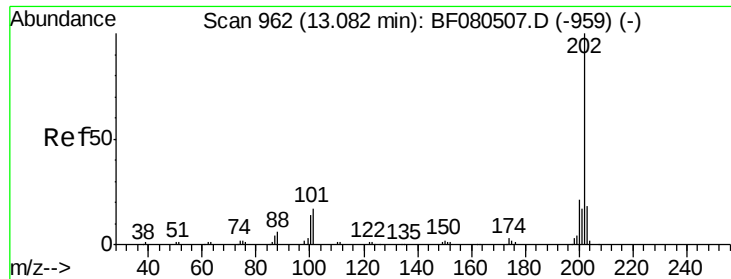
40000

20000

0

Time-->





#77

Pvrene

Concen: 0.14 ng

RT: 13.22 min Scan# 974

Delta R.T. 0.14 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

Instrument :

BNA_F

ClientSampleId :

TEC-E1

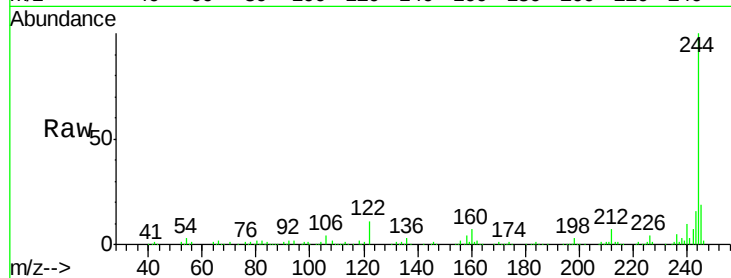
Tot Ion:202 Resp: 915

Ion Ratio Lower Upper

202 100

200 54.1 15.0 22.4#

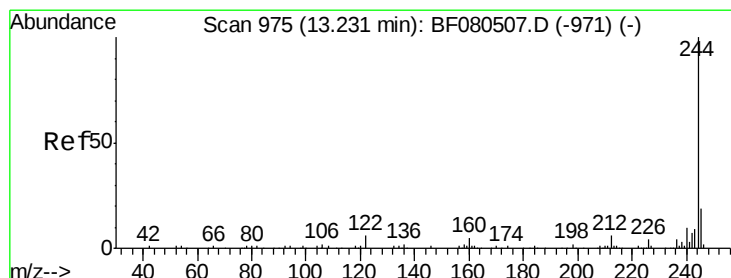
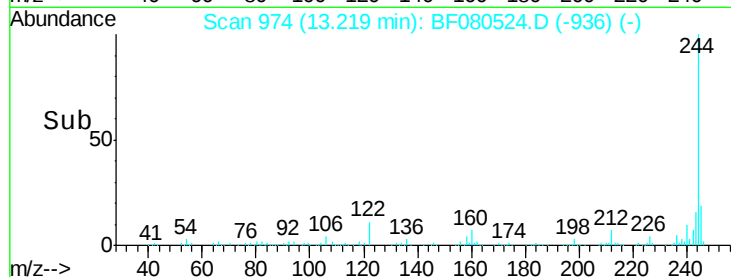
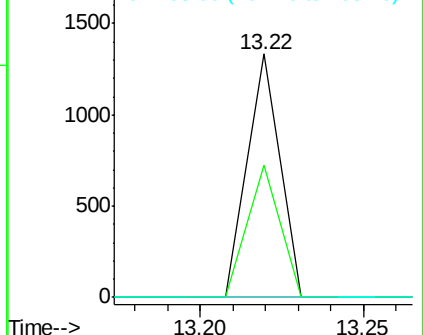
203 0.0 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.11 ng

RT: 13.22 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF080524.D

Acq: 16 Jul 2015 22:12

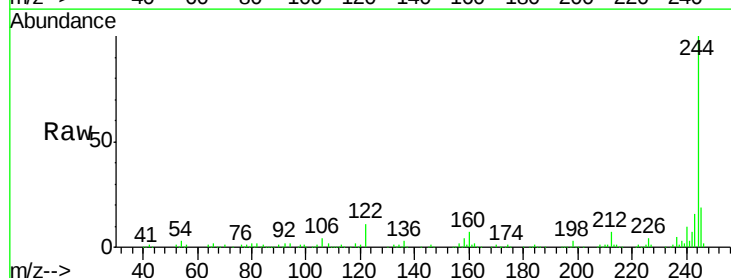
Tgt Ion:244 Resp: 296414

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

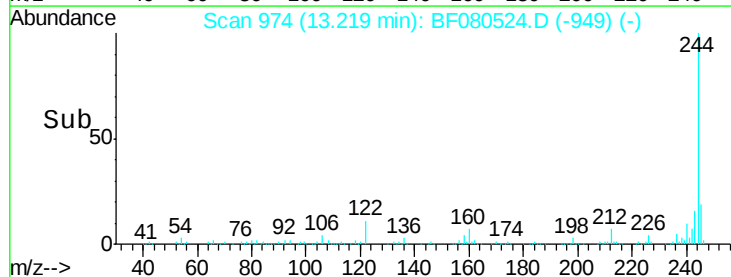
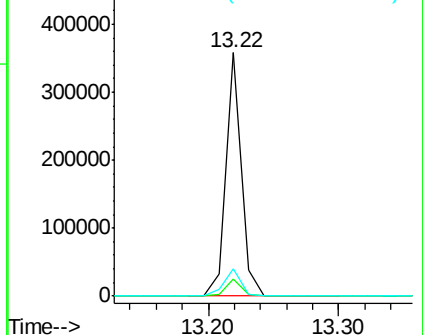
122 11.3 17.4 26.2#

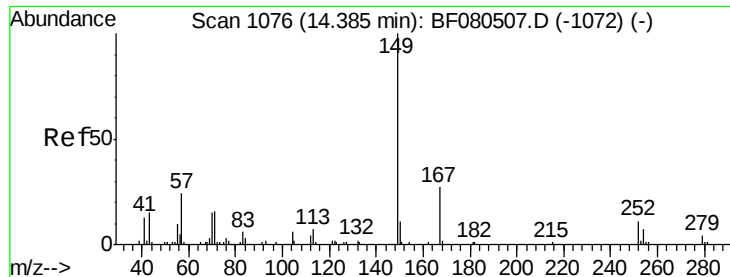


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

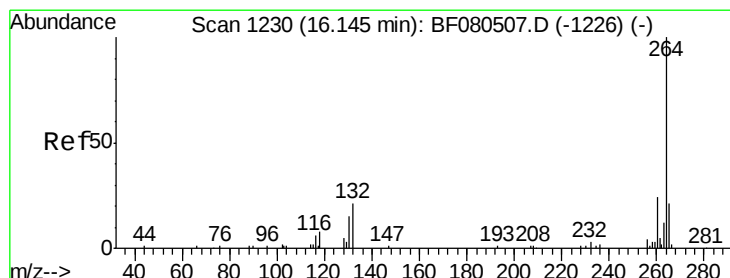
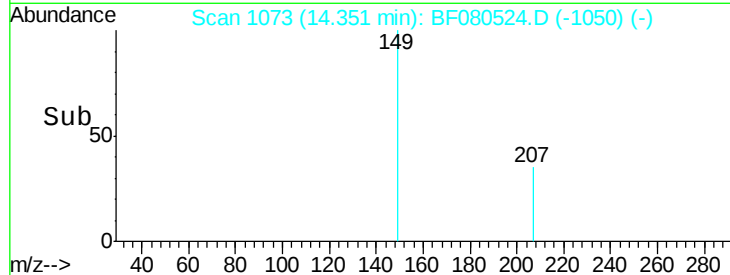
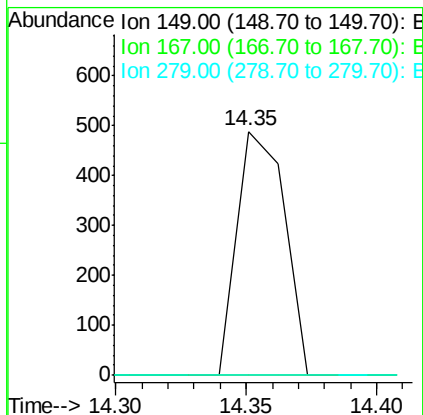
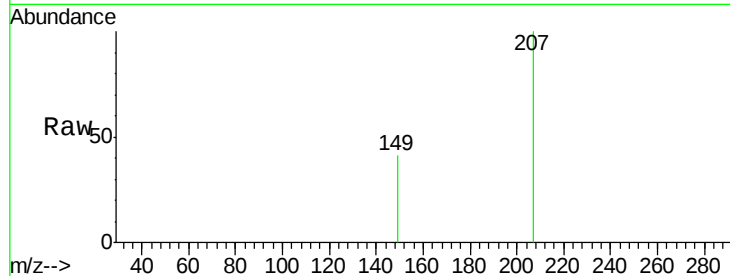




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.18 ng
 RT: 14.35 min Scan# 1073
 Delta R.T. -0.03 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Tot Ion:149 Resp: 625
 Ion Ratio Lower Upper
 149 100
 167 0.0 24.2 36.2#
 279 0.0 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.10 min Scan# 1226
 Delta R.T. -0.05 min
 Lab File: BF080524.D
 Acq: 16 Jul 2015 22:12

Tgt Ion:264 Resp: 94125
 Ion Ratio Lower Upper
 264 100
 260 24.5 16.7 25.1
 265 21.6 17.2 25.8

