

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012216\
 Data File : BM004114.D
 Acq On : 22 Jan 2016 17:03
 Operator : SJ/UM
 Sample : H1186-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OUTFALL001-160119

Quant Time: Jan 22 18:04:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	21914	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	96889	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	59177	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	165584	5.00	ng	0.00
26) Chrysene-d12	21.27	240	165760	5.00	ng	0.00
35) Perylene-d12	23.51	264	166093	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	12159	2.66	ng	-0.02
5) Phenol-d6	6.85	99	8161	1.48	ng	0.00
8) Nitrobenzene-d5	8.83	82	16485	3.88	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	12604	5.52	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	69909	3.86	ng	0.00
29) Terphenyl-d14	19.71	244	102985	4.89	ng	0.00

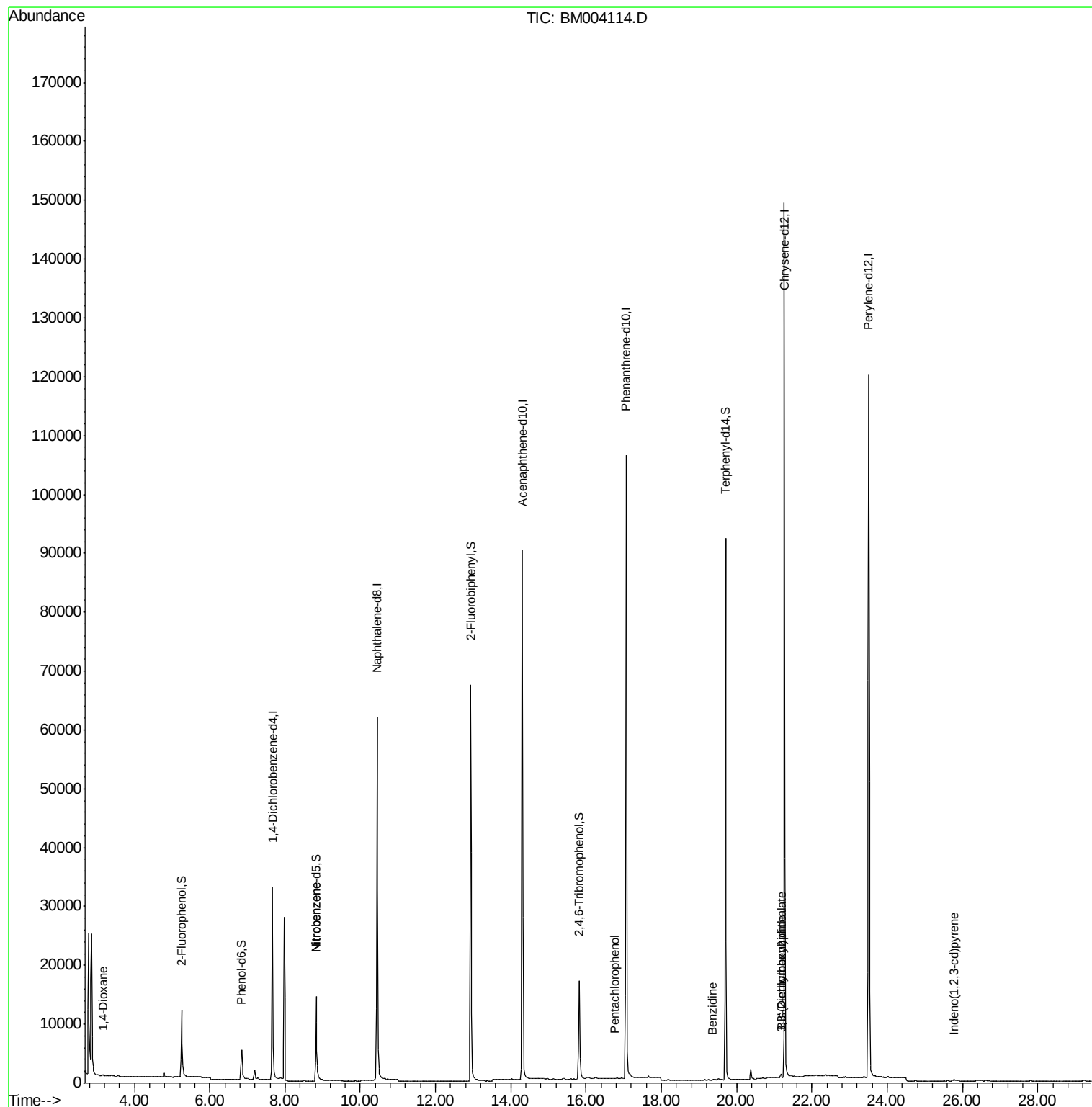
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	303	0.07	ng	# 71
9) Nitrobenzene	8.83	77	55	0.23	ng	# 27
22) Pentachlorophenol	16.76	266	21	0.23	ng	# 65
23) Phenanthrene	17.09	178	333	Below Cal		# 82
27) Benzidine	19.36	184	105	0.12	ng	# 1
28) Pyrene	19.52	202	166	Below Cal		# 89
30) Benzo(a)anthracene	21.27	228	959	Below Cal		# 87
31) 3,3'-Dichlorobenzidine	21.21	252	107	0.03	ng	# 64
32) Chrysene	21.27	228	966	Below Cal		# 73
33) Bis(2-ethylhexyl)phthalate	21.19	149	930	0.08	ng	# 99
34) Indeno(1,2,3-cd)pyrene	25.78	276	345	0.03	ng	# 96

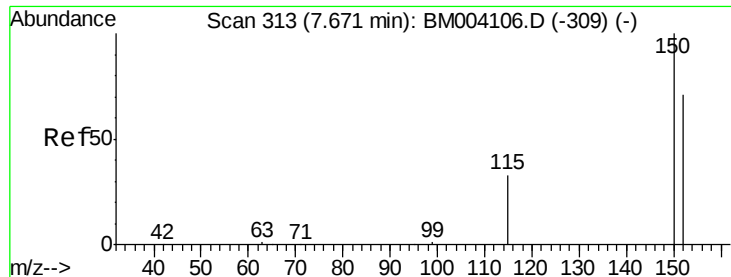
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

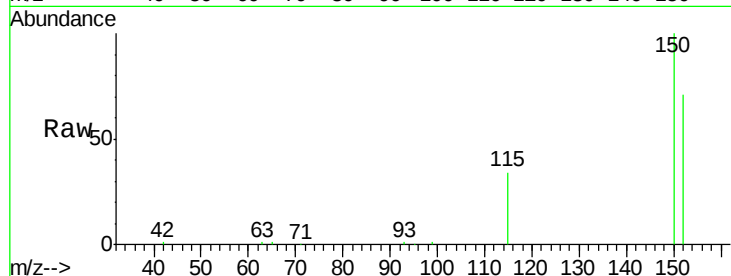
Tgt Ion:152 Resp: 21914

Ion Ratio Lower Upper

152 100

150 141.8 122.9 184.3

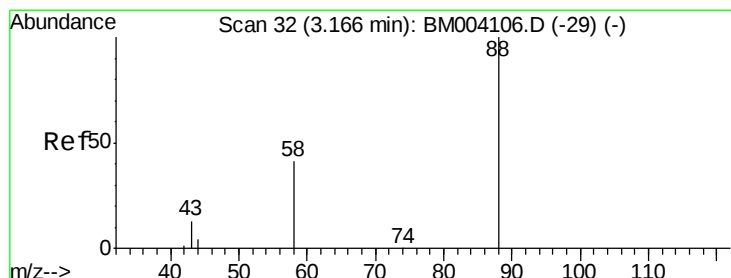
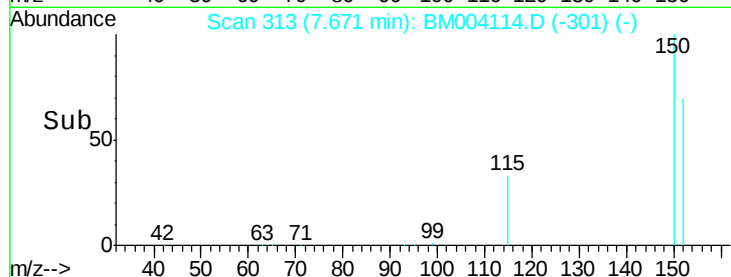
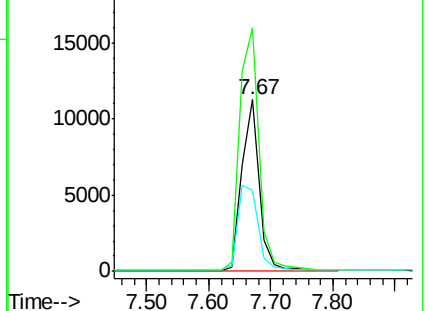
115 47.6 44.4 66.6



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



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

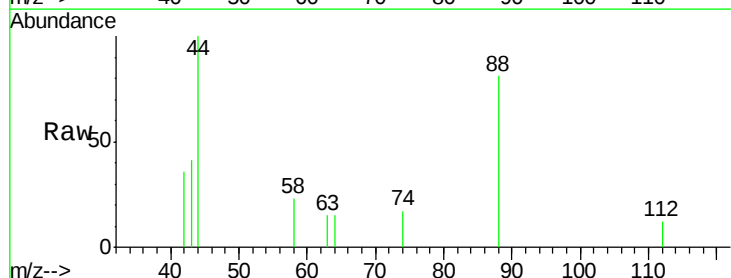
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

58 35.0 53.8 80.6#

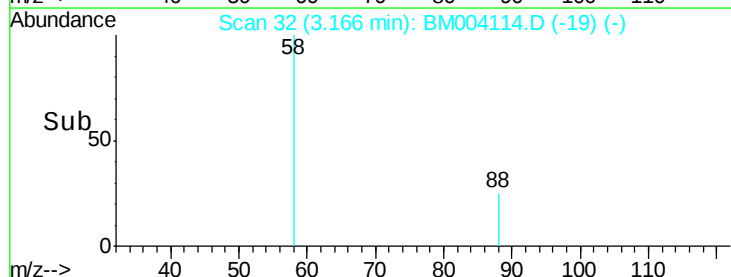
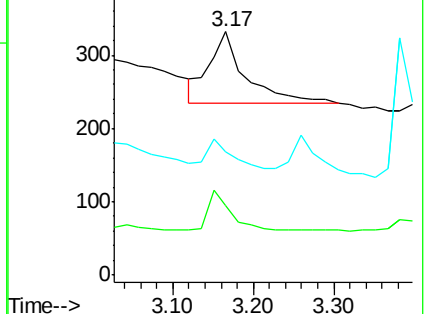
43 28.1 23.8 35.6

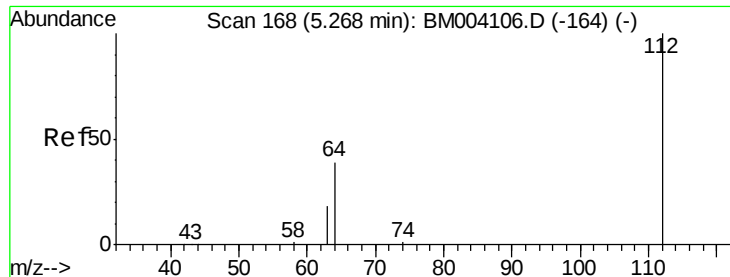


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

2-Fluorophenol

Concen: 2.66 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

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ClientSampleId :

OUTFALL001-160119

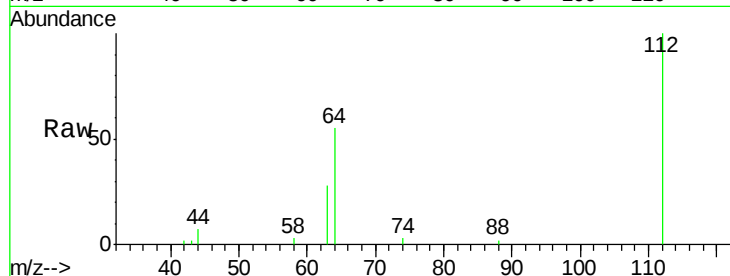
Tgt Ion: 112 Resp: 12159

Ion Ratio Lower Upper

112 100

64 52.5 41.8 62.8

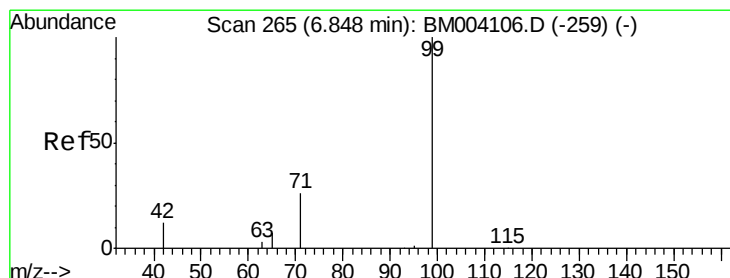
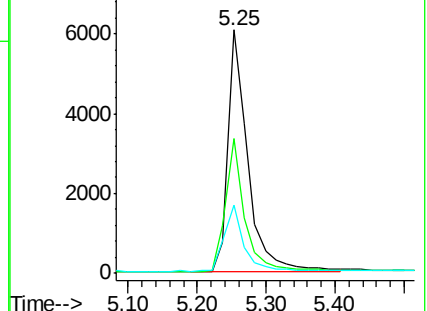
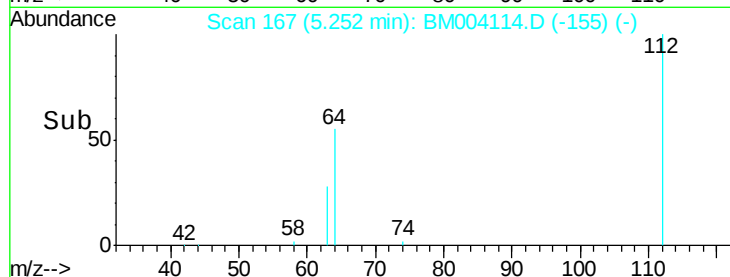
63 27.5 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#5

Phenol-d6

Concen: 1.48 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

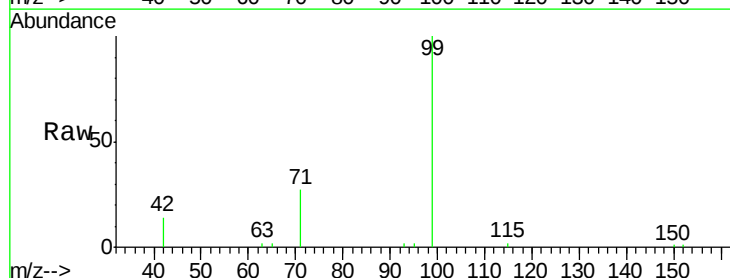
Tgt Ion: 99 Resp: 8161

Ion Ratio Lower Upper

99 100

42 18.3 16.2 24.2

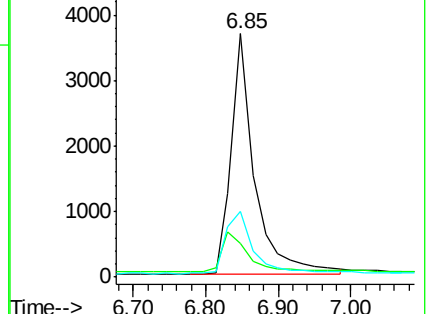
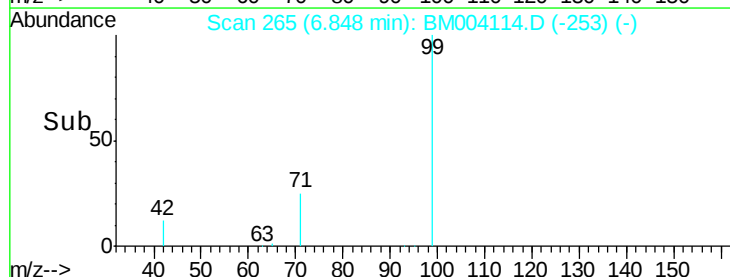
71 31.2 24.4 36.6

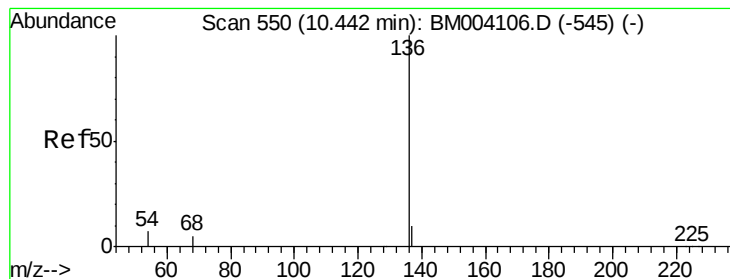


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

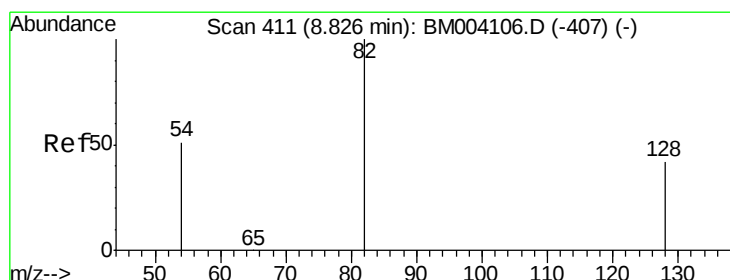
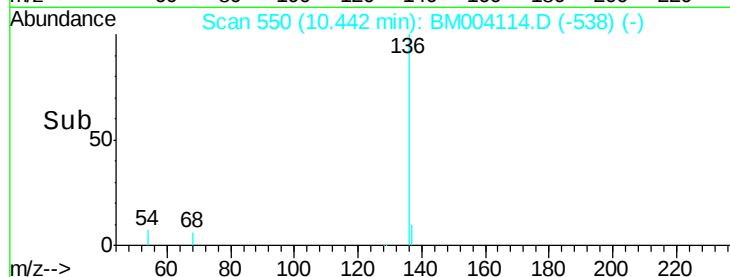
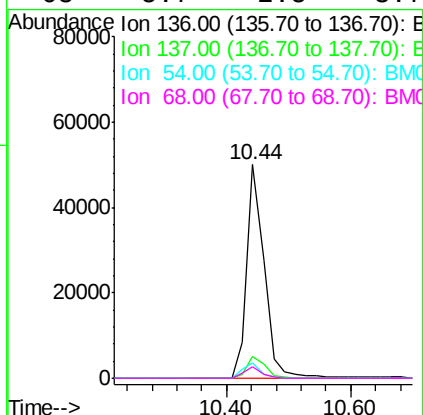
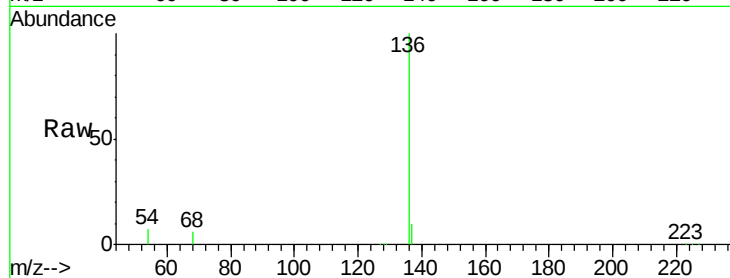
Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

Tgt Ion:	136	Resp:	96889
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.5	2.8	4.2#
68	5.7	2.5	3.7#



#8

Nitrobenzene-d5

Concen: 3.88 ng

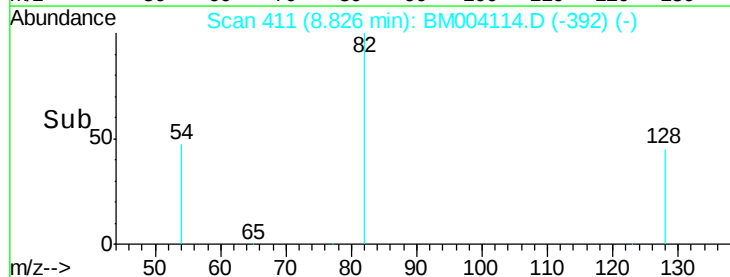
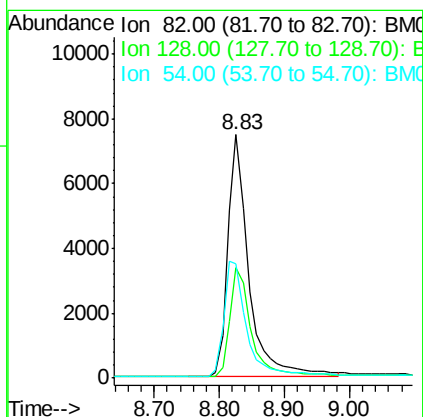
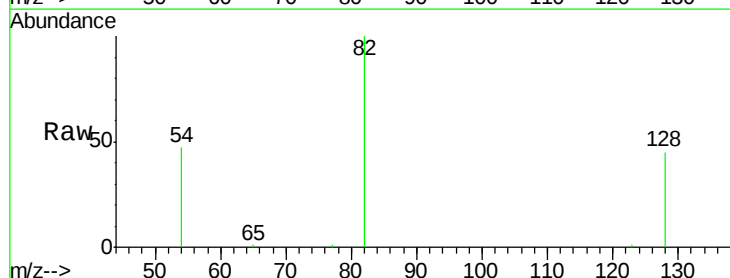
RT: 8.83 min Scan# 411

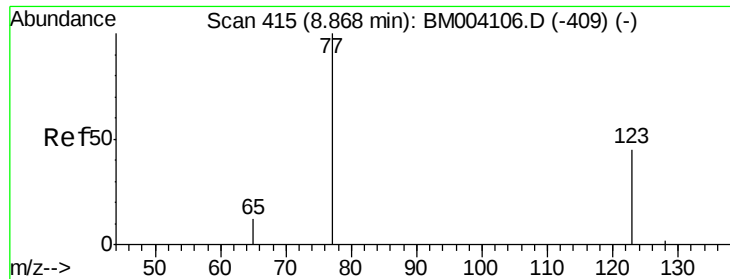
Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Tgt Ion:	82	Resp:	16485
Ion	Ratio	Lower	Upper
82	100		
128	45.3	39.1	58.7
54	47.1	34.8	52.2





#9

Nitrobenzene

Concen: 0.23 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.04 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

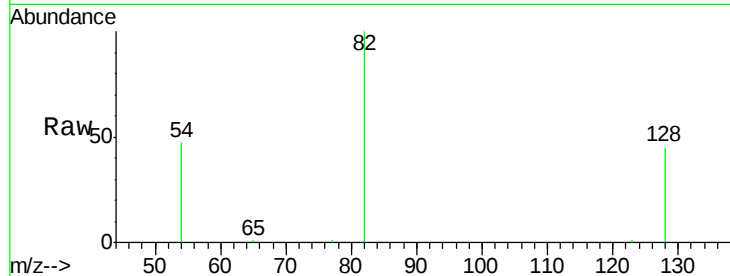
Tgt Ion: 77 Resp: 55

Ion Ratio Lower Upper

77 100

123 0.0 38.6 57.8#

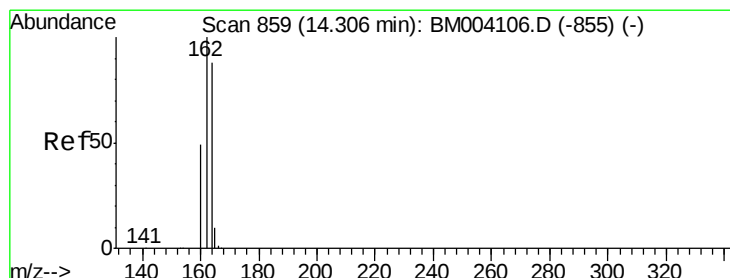
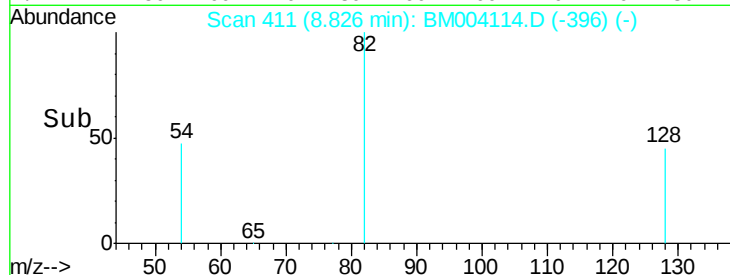
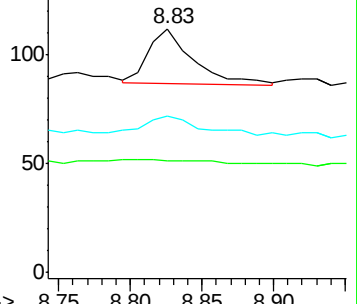
65 43.6 9.9 14.9#



Abundance Ion 77.00 (76.70 to 77.70): BM004106.D (-409) (-)

Ion 123.00 (122.70 to 123.70): BM004106.D (-409) (-)

Ion 65.00 (64.70 to 65.70): BM004106.D (-409) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

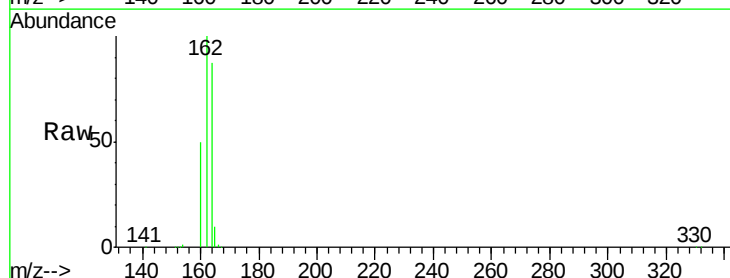
Tgt Ion: 164 Resp: 59177

Ion Ratio Lower Upper

164 100

162 114.4 86.0 129.0

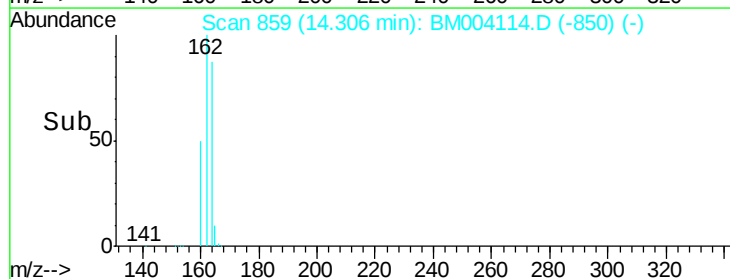
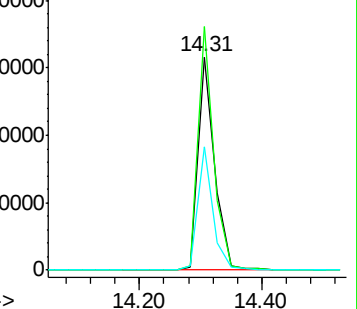
160 57.6 40.3 60.5

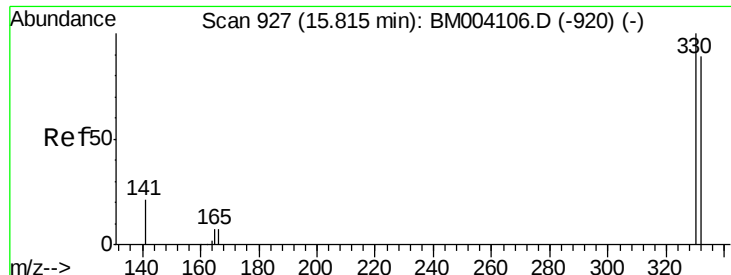


Abundance Ion 164.00 (163.70 to 164.70): BM004106.D (-855) (-)

Ion 162.00 (161.70 to 162.70): BM004106.D (-855) (-)

Ion 160.00 (159.70 to 160.70): BM004106.D (-855) (-)

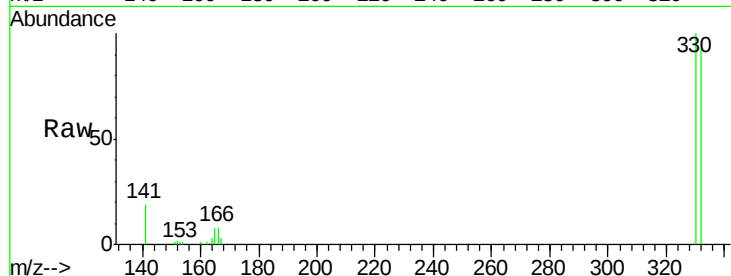




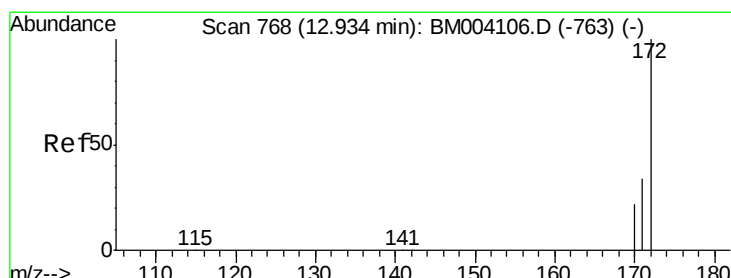
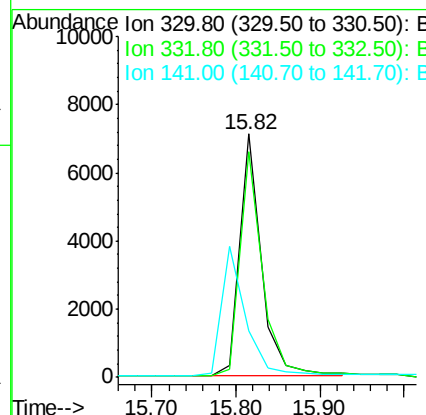
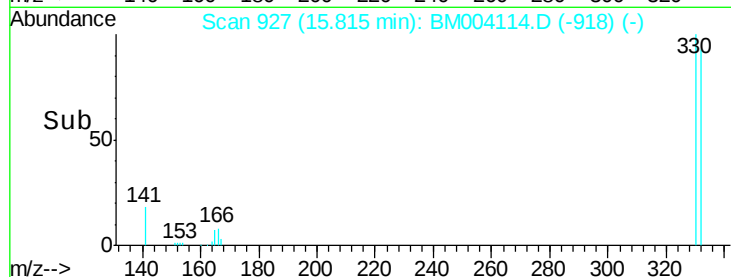
#14
 2,4,6-Tribromophenol
 Concen: 5.52 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM004114.D
 Acq: 22 Jan 2016 17:03

Instrument :
 BNA_M
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 OUTFALL001-160119

Tgt Ion:330 Resp: 12604
 Ion Ratio Lower Upper
 330 100
 332 95.5 79.0 118.4
 141 0.0 27.8 41.6#

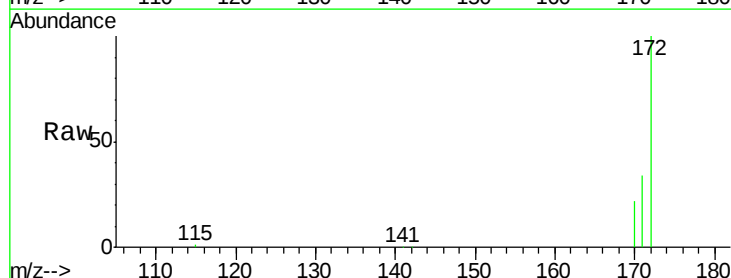


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

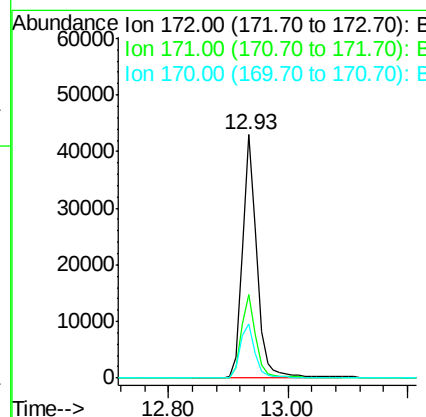
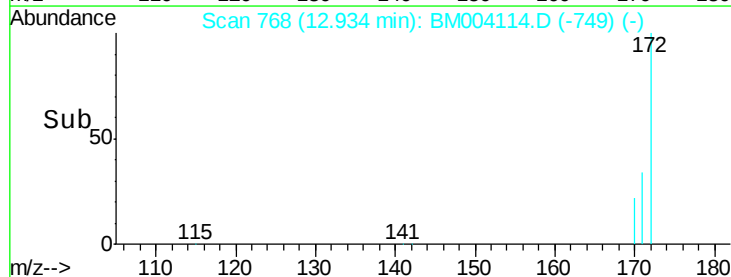


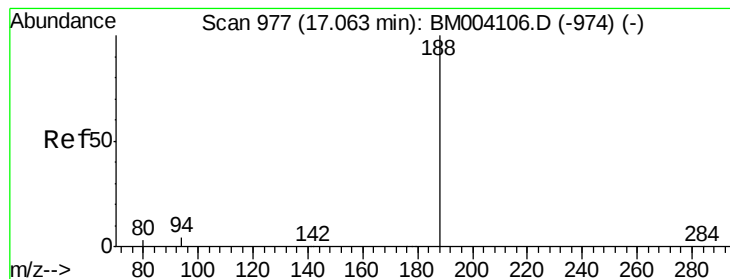
#15
 2-Fluorobiphenyl
 Concen: 3.86 ng
 RT: 12.93 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BM004114.D
 Acq: 22 Jan 2016 17:03

Tgt Ion:172 Resp: 69909
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.0 40.6
 170 22.3 17.9 26.9



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

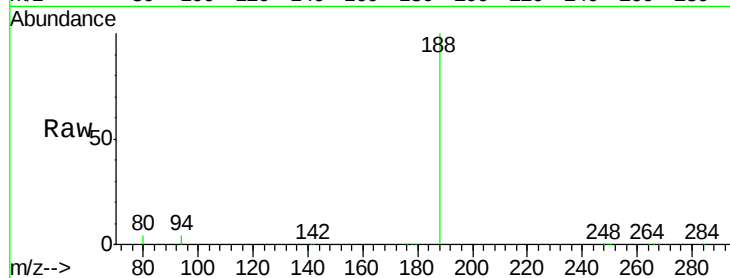




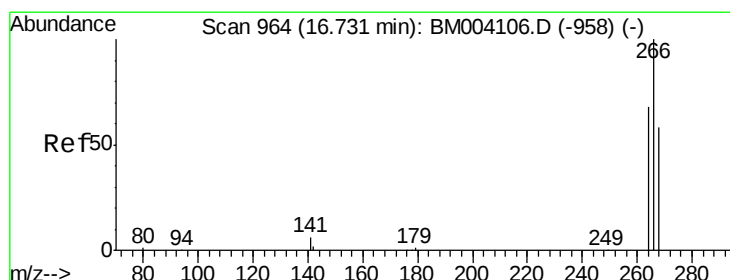
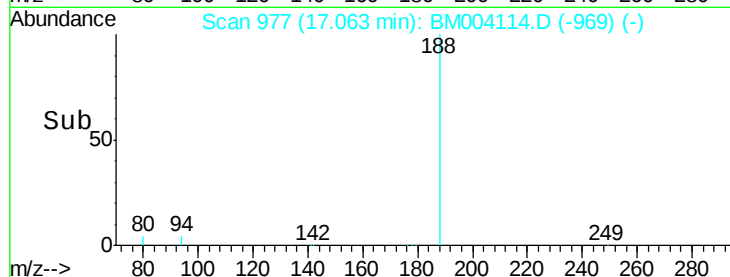
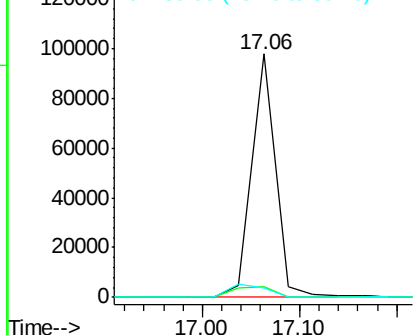
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM004114.D
Acq: 22 Jan 2016 17:03

Instrument :
BNA_M
ClientSampleId :
OUTFALL001-160119

Tgt Ion:188 Resp: 165584
Ion Ratio Lower Upper
188 100
94 4.3 20.3 30.5#
80 3.7 22.2 33.4#

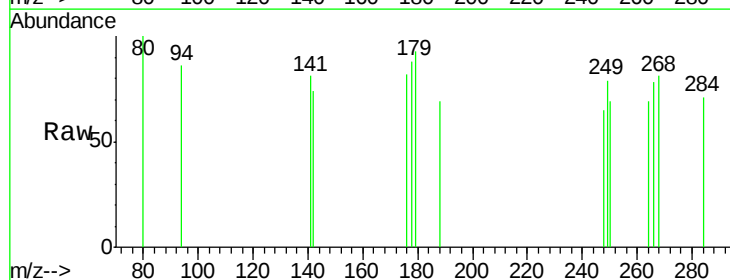


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM004114.D (-969) (-)
Ion 80.00 (79.70 to 80.70): BM004114.D (-969) (-)

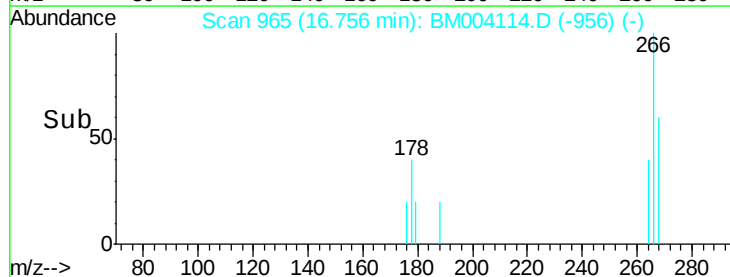
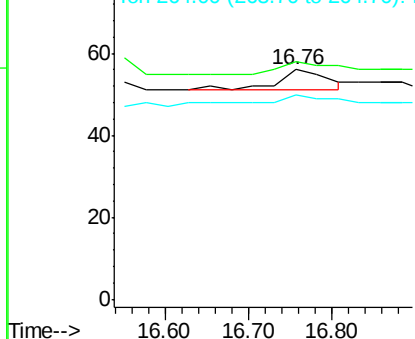


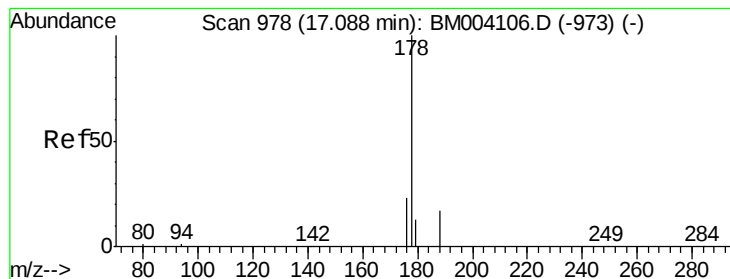
#22
Pentachlorophenol
Concen: 0.23 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BM004114.D
Acq: 22 Jan 2016 17:03

Tgt Ion:266 Resp: 21
Ion Ratio Lower Upper
266 100
268 103.6 62.7 94.1#
264 89.3 45.7 68.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.09 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

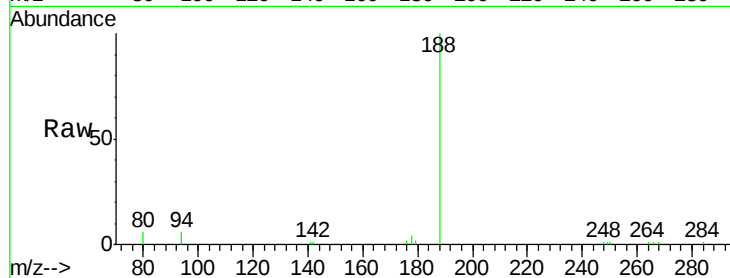
Tgt Ion:178 Resp: 333

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.0

179 0.0 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.09

150

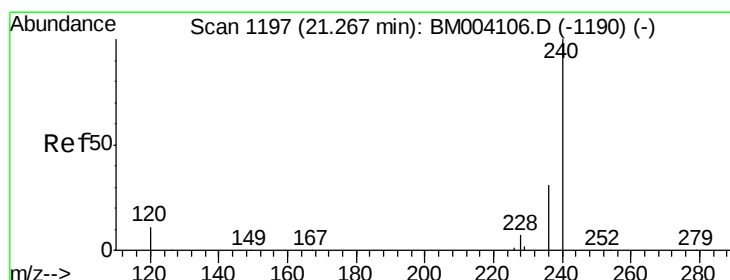
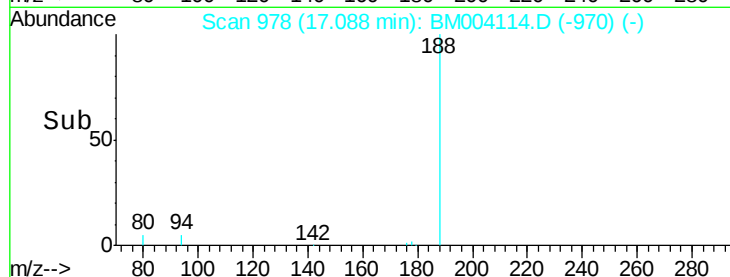
100

50

0

17.00 17.10 17.20

Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

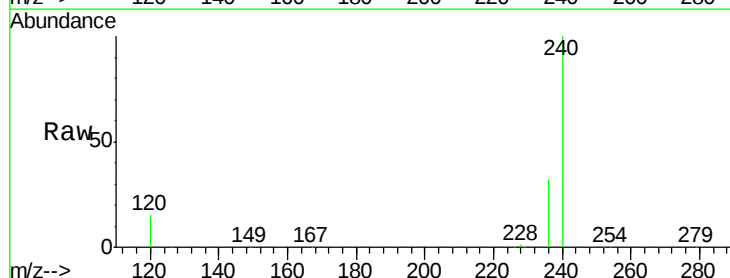
Tgt Ion:240 Resp: 165760

Ion Ratio Lower Upper

240 100

120 15.0 0.9 1.3#

236 31.8 17.3 25.9#



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

21.27

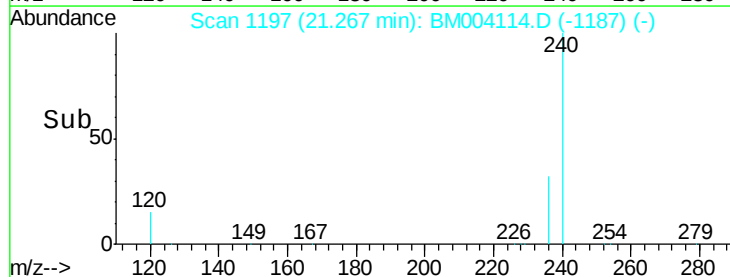
100000

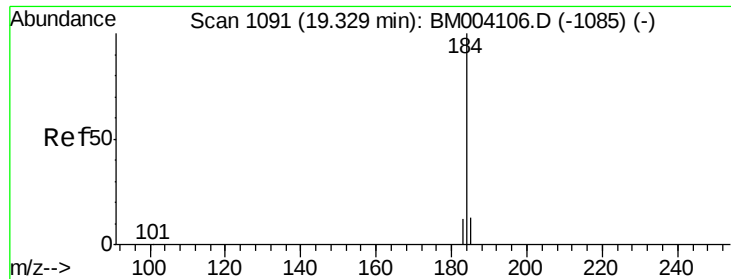
50000

0

21.00 21.20 21.40

Time-->





#27

Benzidine

Concen: 0.12 ng

RT: 19.36 min Scan# 1093

Delta R.T. 0.03 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

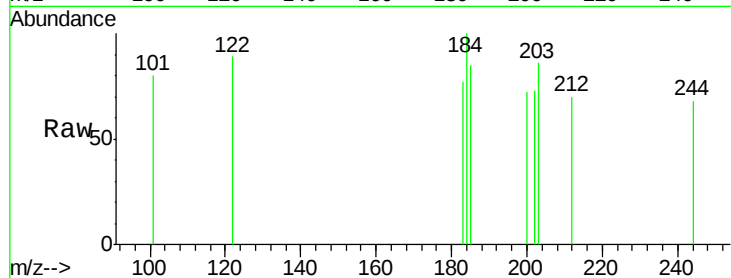
Tgt Ion:184 Resp: 105

Ion Ratio Lower Upper

184 100

185 84.5 13.2 19.8#

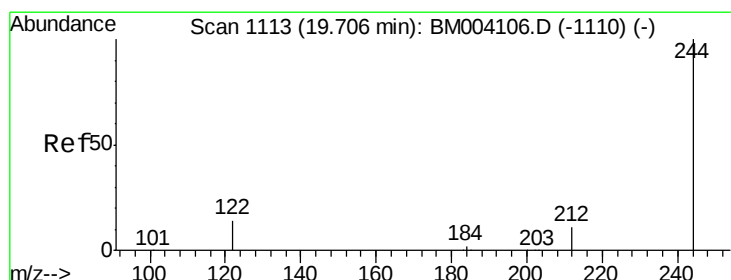
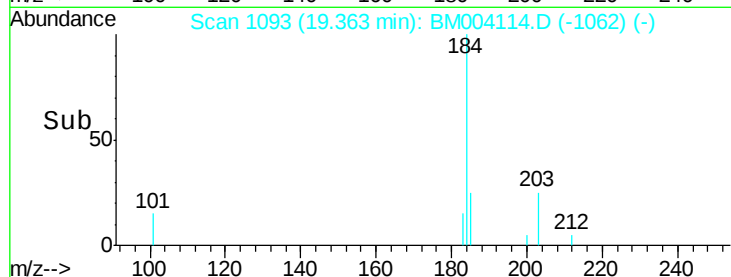
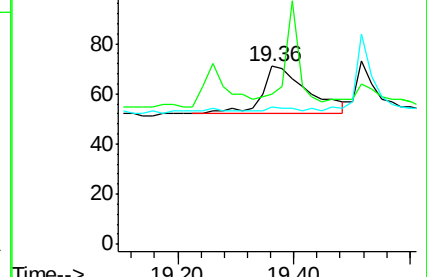
183 77.5 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 4.89 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

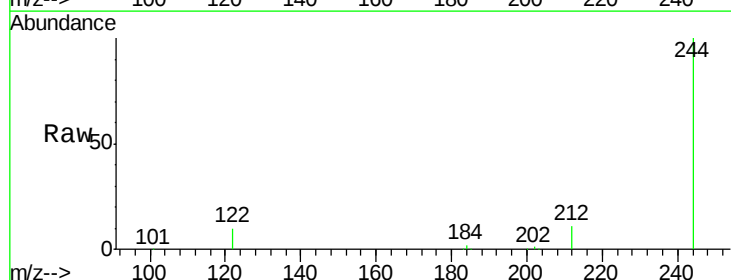
Tgt Ion:244 Resp: 102985

Ion Ratio Lower Upper

244 100

212 10.8 7.0 10.6#

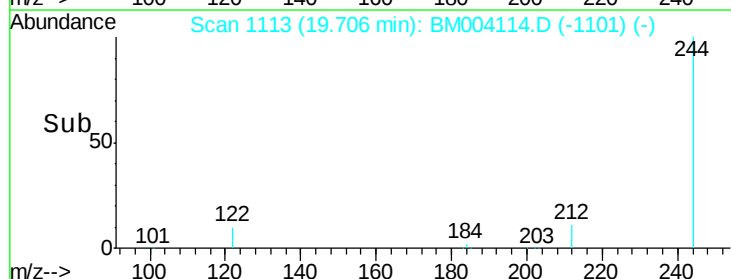
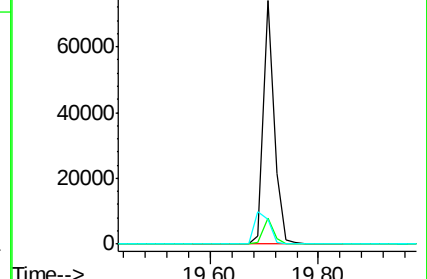
122 10.1 3.0 4.6#

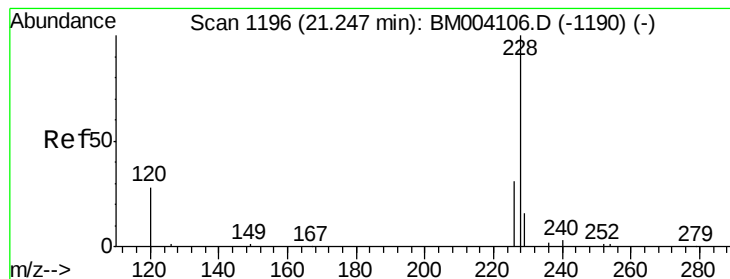


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

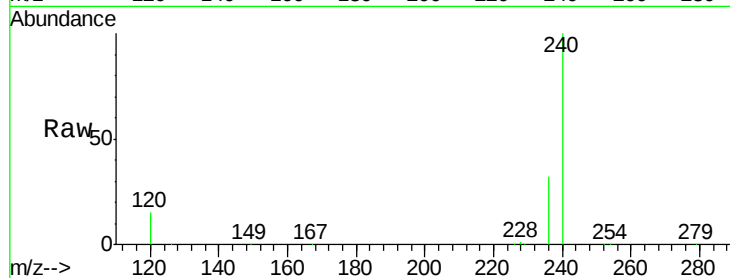
Tgt Ion:228 Resp: 959

Ion Ratio Lower Upper

228 100

226 19.5 17.2 25.8

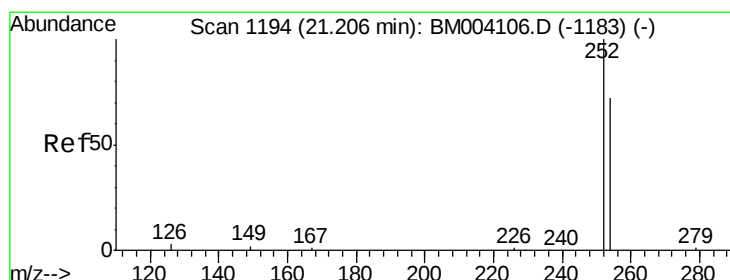
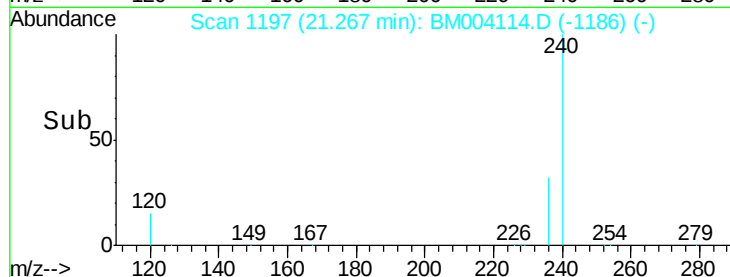
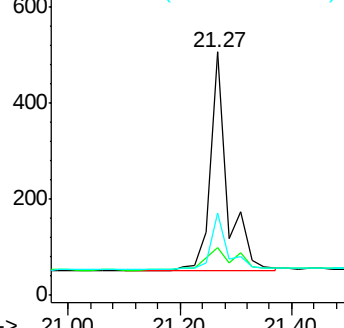
229 33.7 18.7 28.1#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

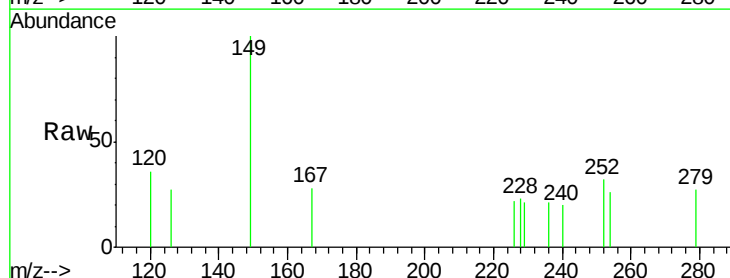
Tgt Ion:252 Resp: 107

Ion Ratio Lower Upper

252 100

254 83.1 52.6 79.0#

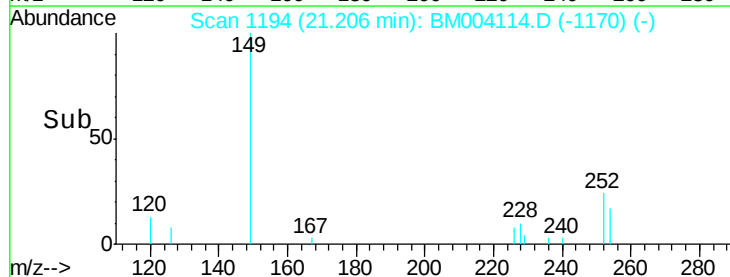
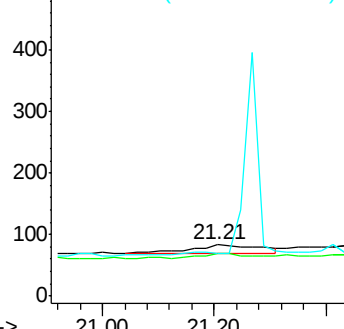
126 84.3 3.7 5.5#

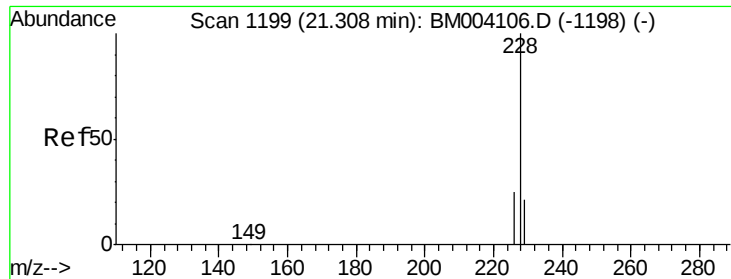


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119

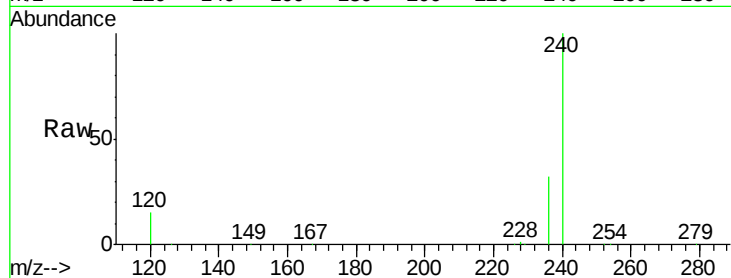
Tgt Ion: 228 Resp: 966

Ion Ratio Lower Upper

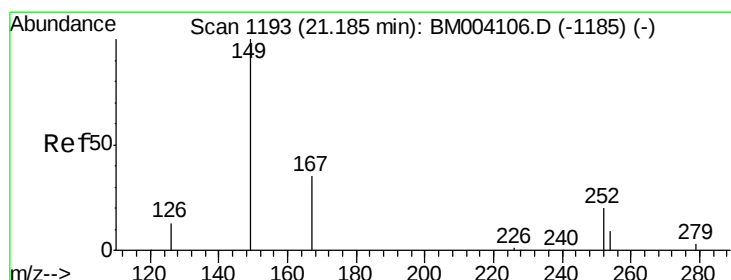
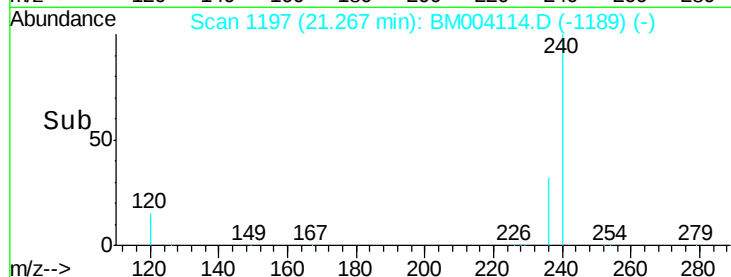
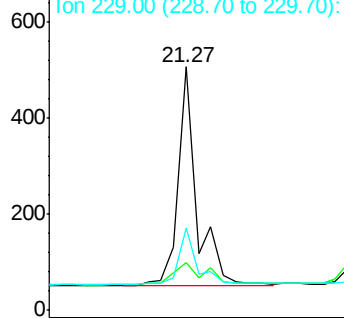
228 100

226 19.5 25.3 37.9#

229 33.7 14.5 21.7#



Abundance Ion 228.00 (227.70 to 228.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

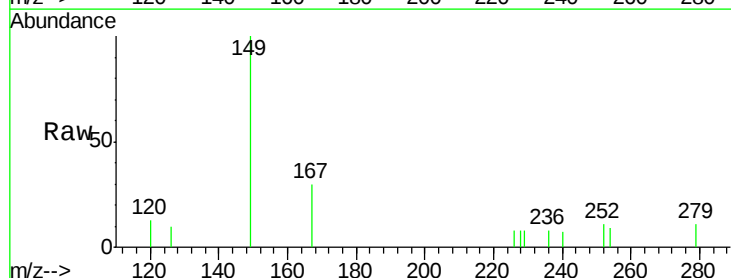
Tgt Ion: 149 Resp: 930

Ion Ratio Lower Upper

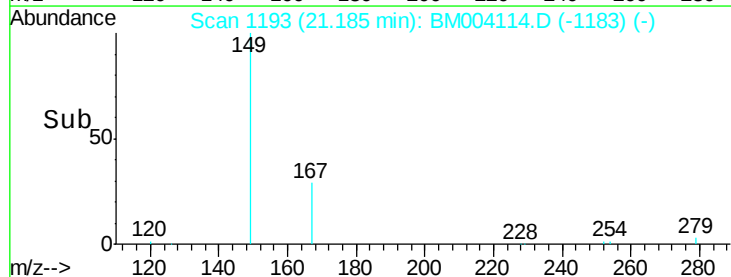
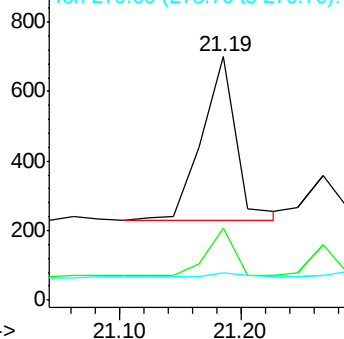
149 100

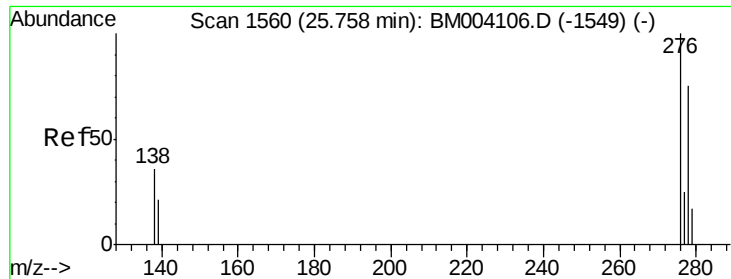
167 25.4 20.1 30.1

279 5.2 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E





#34

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.78 min Scan# 1562

Delta R.T. 0.02 min

Lab File: BM004114.D

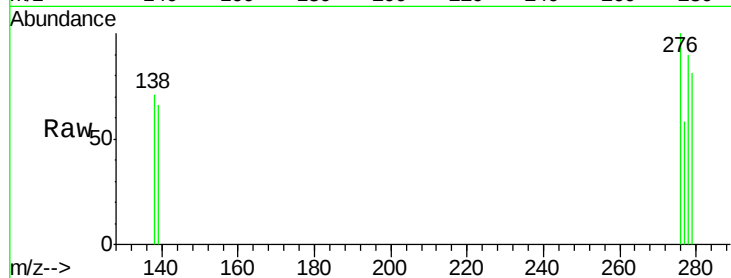
Acq: 22 Jan 2016 17:03

Instrument :

BNA_M

ClientSampleId :

OUTFALL001-160119



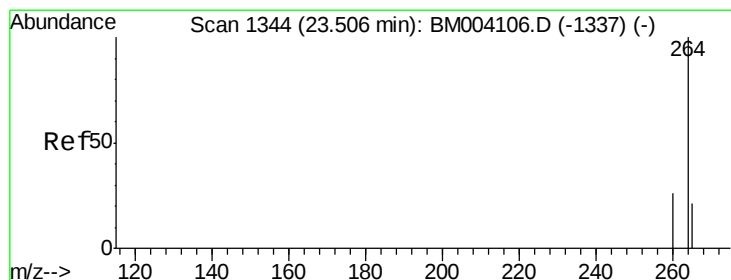
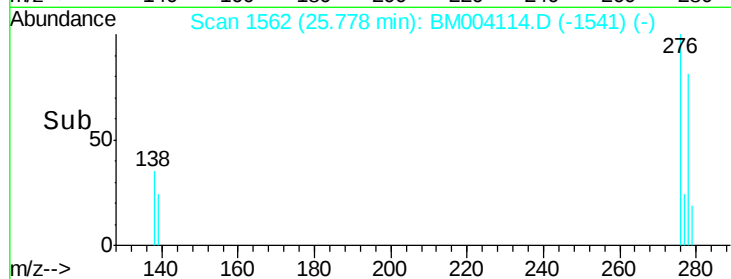
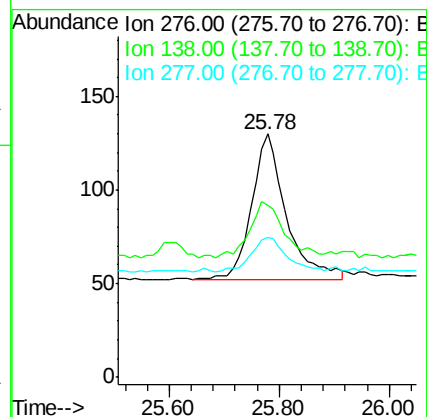
Tgt Ion:276 Resp: 345

Ion Ratio Lower Upper

276 100

138 34.2 30.2 45.2

277 24.9 19.8 29.8



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004114.D

Acq: 22 Jan 2016 17:03

Tgt Ion:264 Resp: 166093

Ion Ratio Lower Upper

264 100

260 26.8 21.2 31.8

265 20.8 16.7 25.1

