

Data Path : Z:\HPCHEM1\BNA F\Data\BF102016\
 Data File : BF090688.D
 Acq On : 20 Oct 2016 17:59
 Operator : UM/SJ
 Sample : H5318-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-2

Quant Time: Oct 21 08:50:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

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

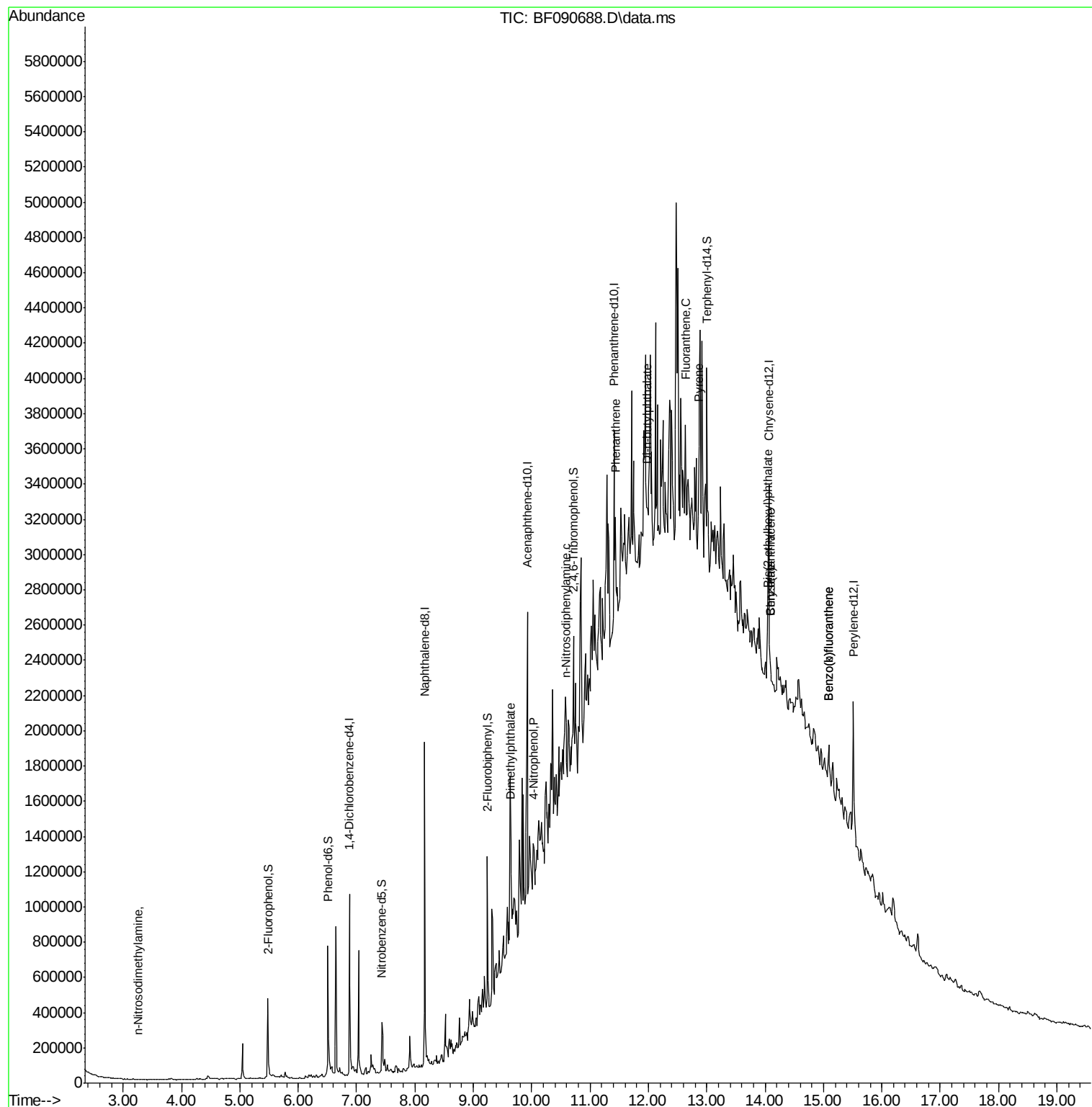
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.874	152	178246	20.00	ng	-0.03
21) Naphthalene-d8	8.166	136	753911	20.00	ng	-0.03
38) Acenaphthene-d10	9.926	164	327304	20.00	ng	-0.03
63) Phenanthrene-d10	11.412	188	455903	20.00	ng	-0.03
75) Chrysene-d12	14.064	240	482553	20.00	ng	-0.02
86) Perylene-d12	15.515	264	378338	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.480	112	199593	20.53	ng	-0.03
7) Phenol-d6	6.509	99	281942	19.51	ng	-0.03
23) Nitrobenzene-d5	7.434	82	167925	12.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.715	330	37039	12.69	ng	-0.03
44) 2-Fluorobiphenyl	9.240	172	235921	11.88	ng	-0.03
78) Terphenyl-d14	13.001	244	189424	9.14	ng	-0.03
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.263	42	381	7.24	ng	# 1
49) Dimethylphthalate	9.640	163	61243	2.88	ng	# 94
55) 4-Nitrophenol	10.029	139	7811	2.23	ng	# 1
65) n-Nitrosodiphenylamine	10.589	169	139798	9.28	ng	# 41
70) Phenanthrene	11.435	178	281610	11.57	ng	# 93
73) Di-n-butylphthalate	11.983	149	117215	4.27	ng	# 85
74) Fluoranthene	12.635	202	227748	9.30	ng	91
77) Pyrene	12.864	202	360426	11.28	ng	97
80) Benzo(a)anthracene	14.087	228	129301	4.71	ng	# 85
82) Chrysene	14.087	228	129301	4.89	ng	# 88
83) Bis(2-ethylhexyl)phtha...	14.041	149	68101	3.56	ng	# 98
87) Benzo(b)fluoranthene	15.092	252	79950	3.23	ng	# 69
88) Benzo(k)fluoranthene	15.092	252	80052	3.01	ng	# 68

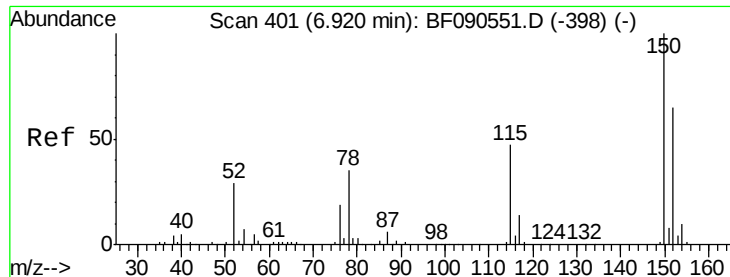
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.874 min Scan# 39

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

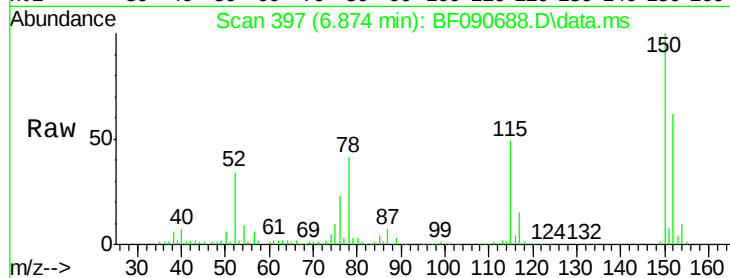
Tot Ion:152 Resp: 178246

Ion Ratio Lower Upper

152 100

150 160.6 127.2 190.8

115 78.7 58.6 88.0



Abundance

200000

150000

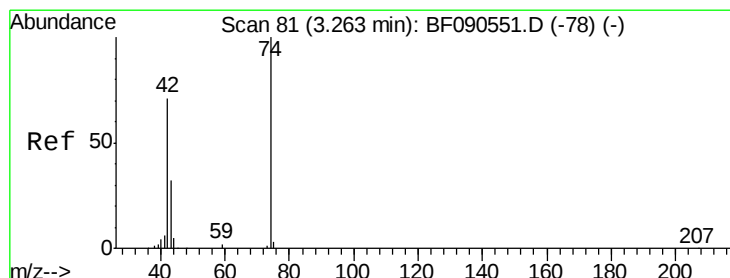
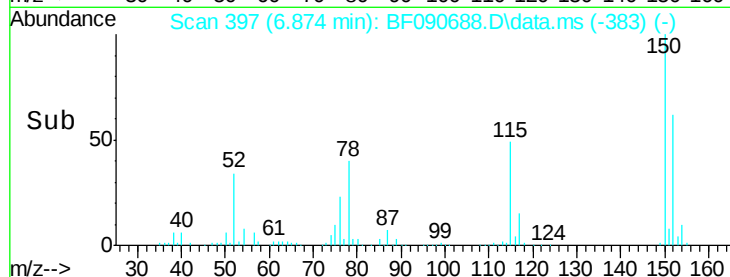
100000

50000

0

6.874

Time-->



#4

n-Nitrosodimethylamine

Concen: 7.24 ng

RT: 3.263 min Scan# 81

Delta R.T. 0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

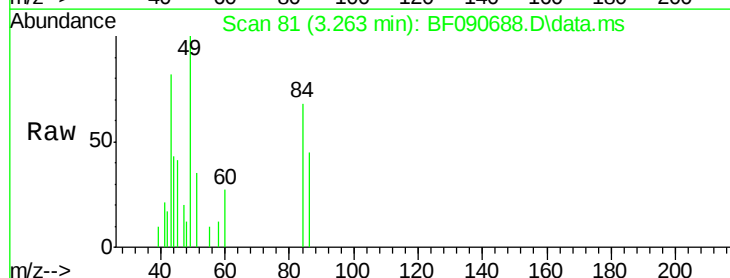
Tgt Ion: 42 Resp: 381

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 252.0 6.0 9.0#



Abundance

1500

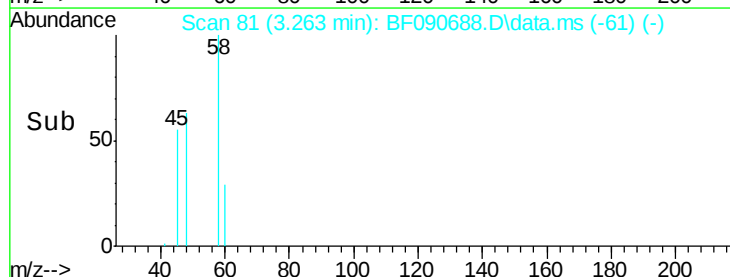
1000

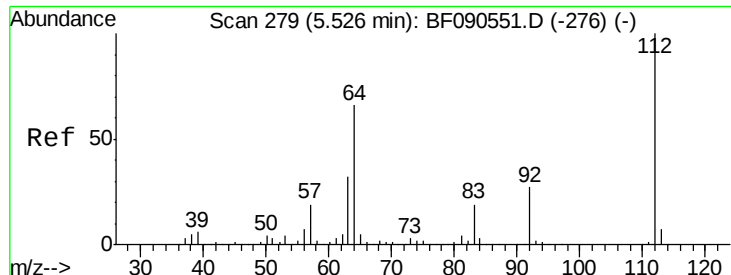
500

0

3.263

Time-->





#5

2-Fluorophenol

Concen: 20.53 ng

RT: 5.480 min Scan# 27

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

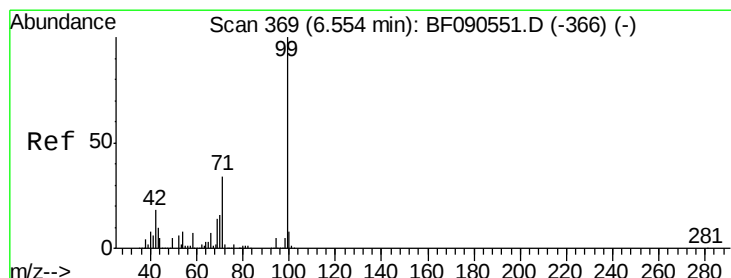
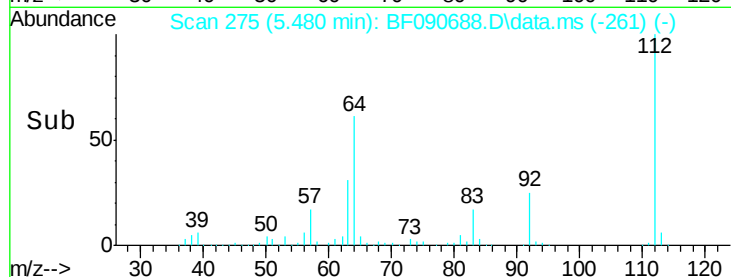
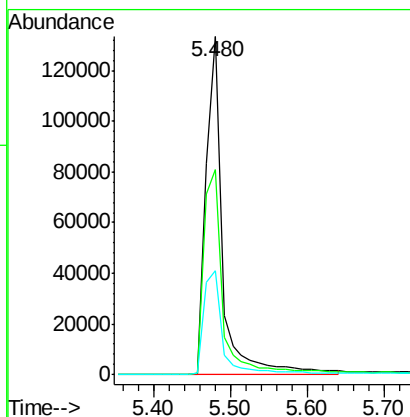
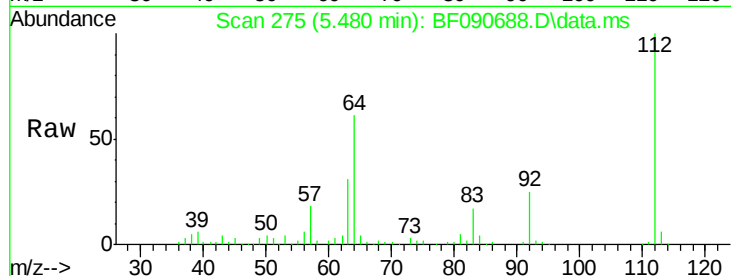
Tot Ion:112 Resp: 199593

Ion Ratio Lower Upper

112 100

64 60.6 52.6 78.8

63 30.7 26.0 39.0



#7

Phenol-d6

Concen: 19.51 ng

RT: 6.509 min Scan# 365

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

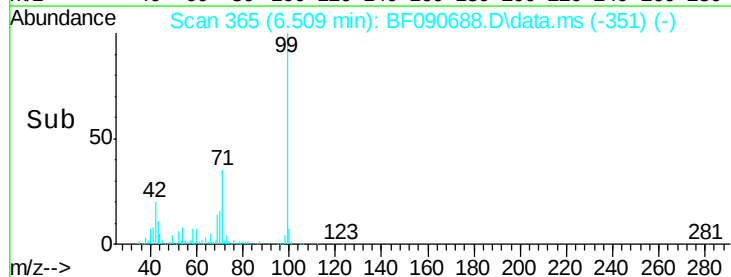
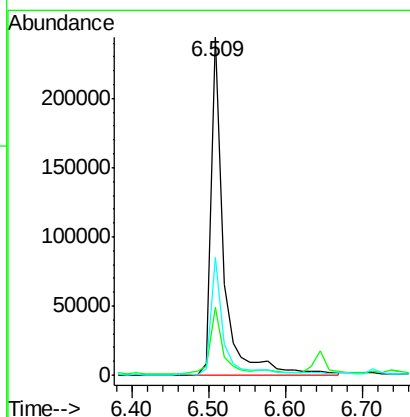
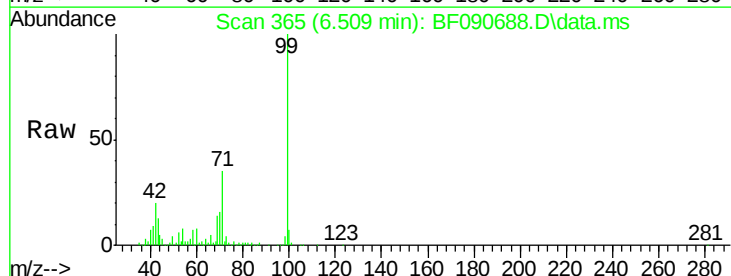
Tgt Ion: 99 Resp: 281942

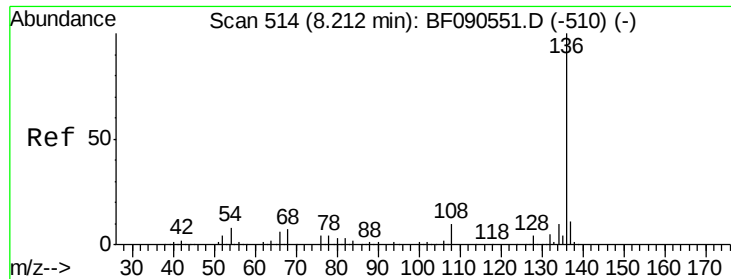
Ion Ratio Lower Upper

99 100

42 20.1 14.7 22.1

71 35.0 27.6 41.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.166 min Scan# 51

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

Tot Ion:136 Resp: 753911

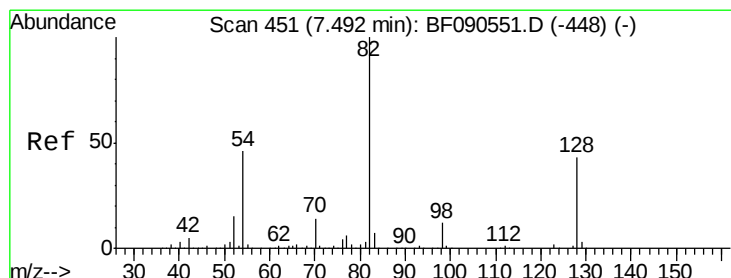
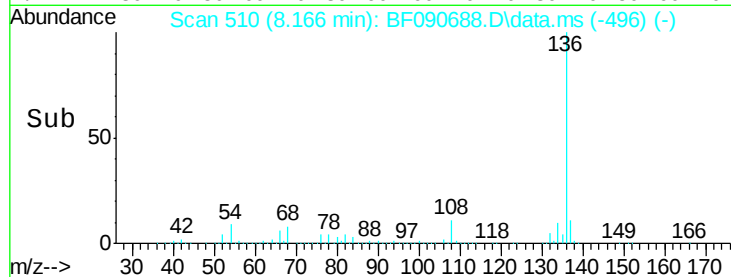
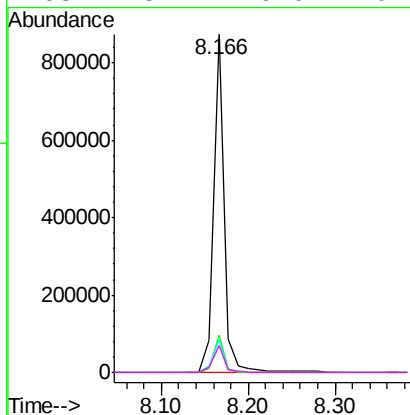
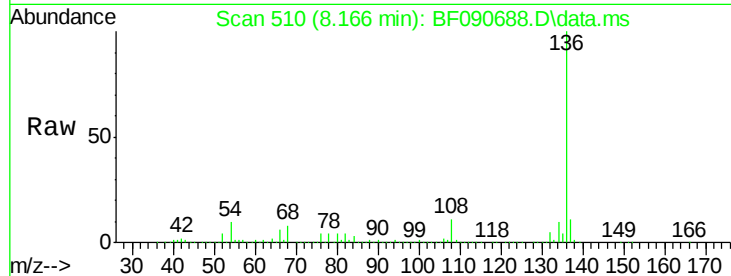
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.6 6.8 10.2

68 8.1 6.0 9.0



#23

Nitrobenzene-d5

Concen: 12.37 ng

RT: 7.434 min Scan# 446

Delta R.T. -0.046 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

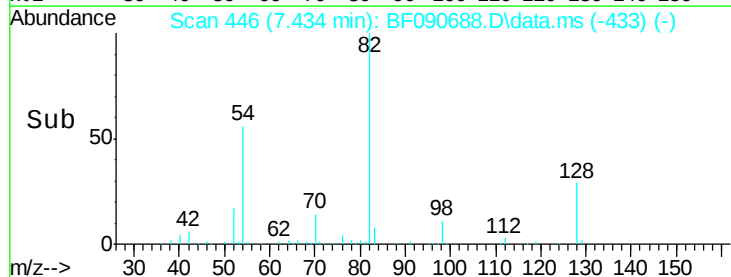
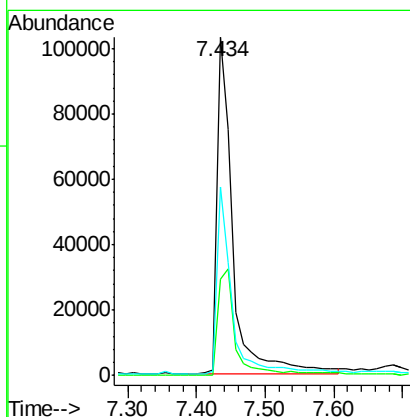
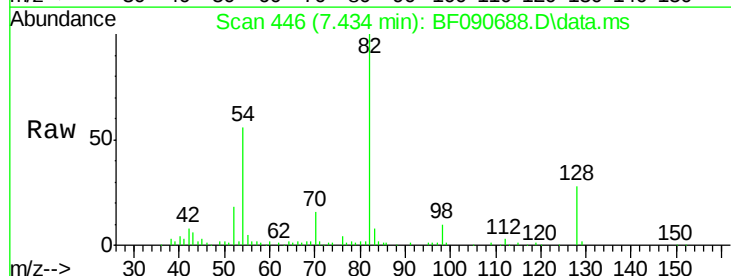
Tgt Ion: 82 Resp: 167925

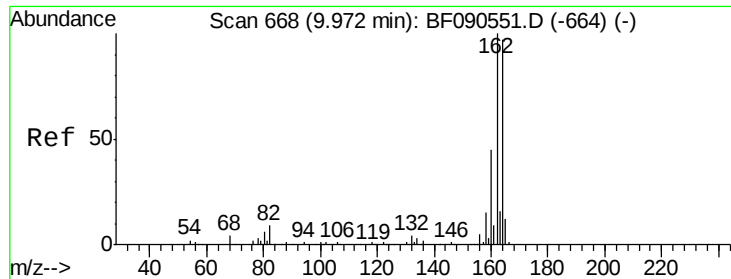
Ion Ratio Lower Upper

82 100

128 28.3 34.3 51.5#

54 55.9 37.0 55.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.926 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

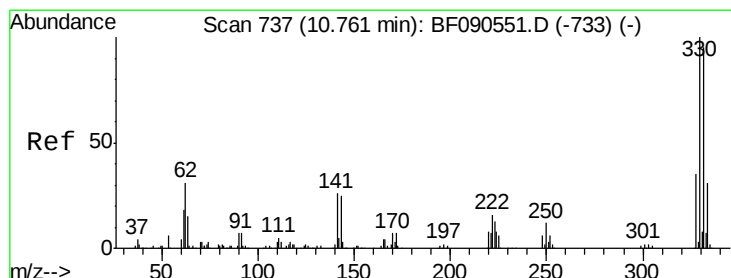
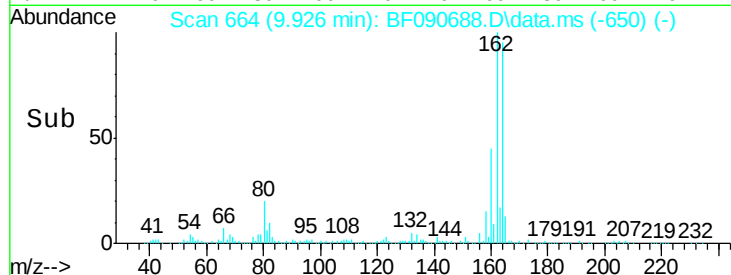
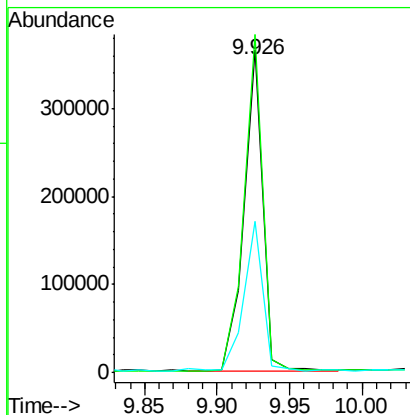
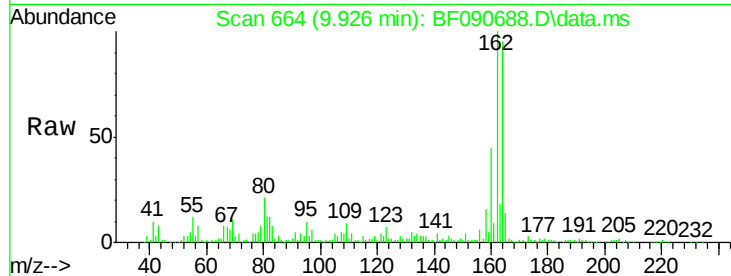
Tot Ion:164 Resp: 327304

Ion Ratio Lower Upper

164 100

162 104.8 82.2 123.4

160 47.0 36.6 55.0



#41

2,4,6-Tribromophenol

Concen: 12.69 ng

RT: 10.715 min Scan# 733

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

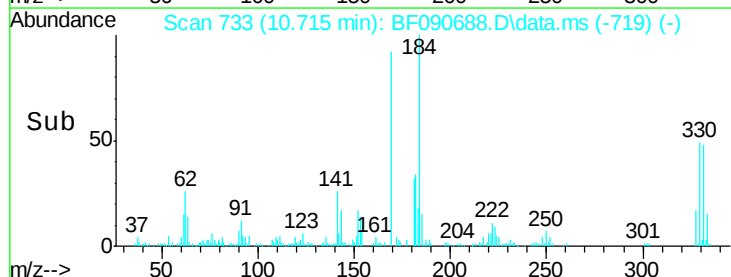
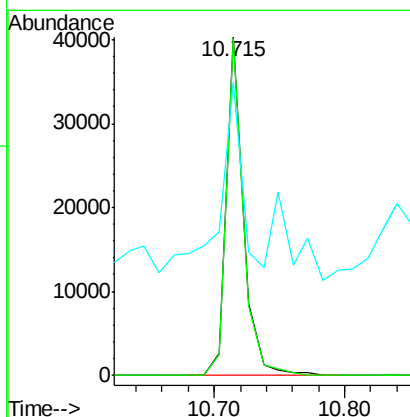
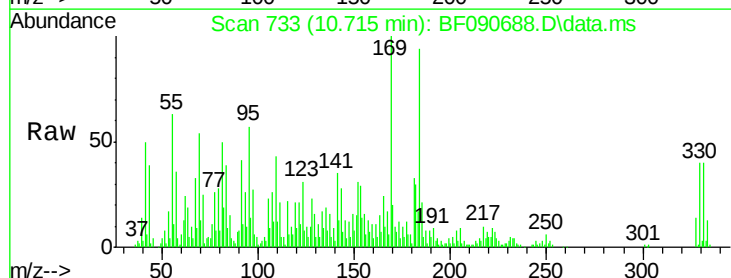
Tgt Ion:330 Resp: 37039

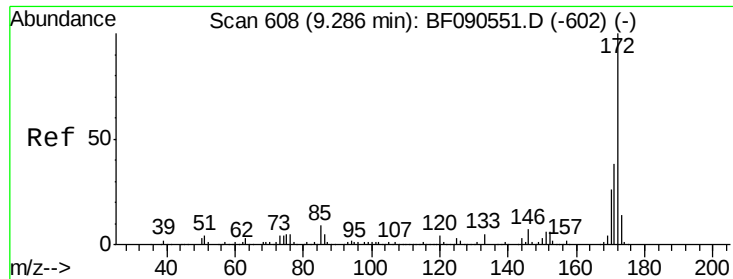
Ion Ratio Lower Upper

330 100

332 98.2 76.2 114.2

141 74.5 31.4 47.2#

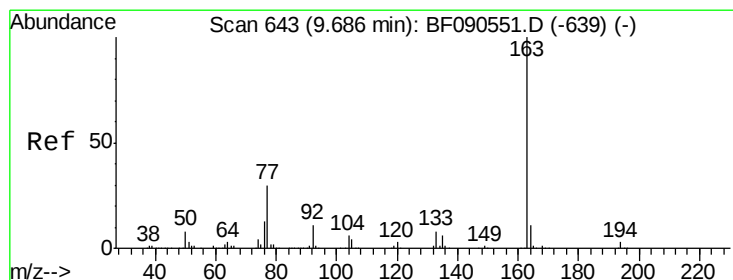
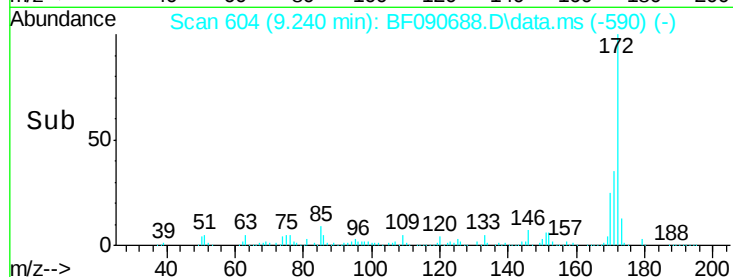
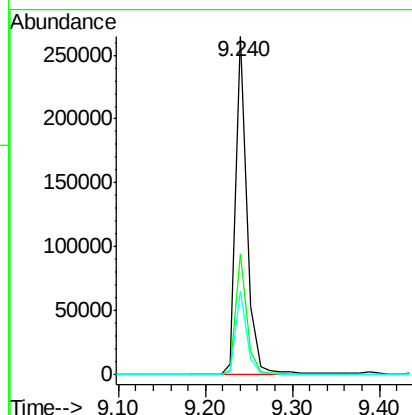
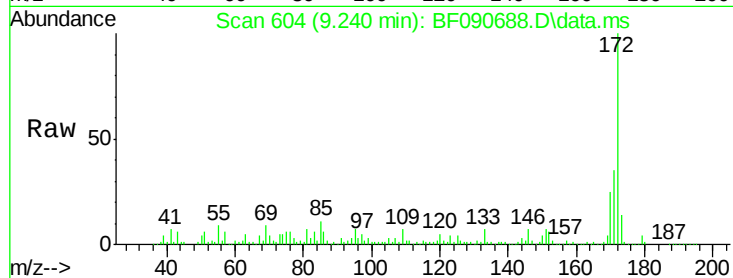




#44
2-Fluorobiphenyl
Concen: 11.88 ng
RT: 9.240 min Scan# 60
Delta R.T. -0.034 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

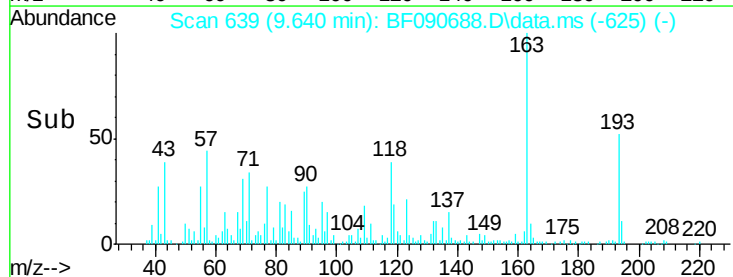
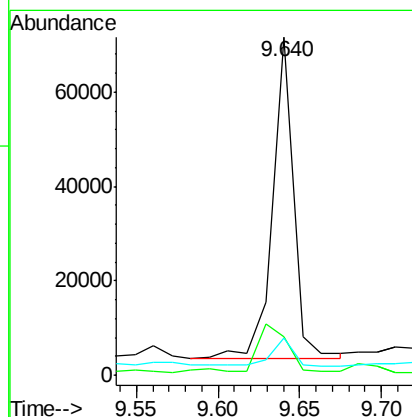
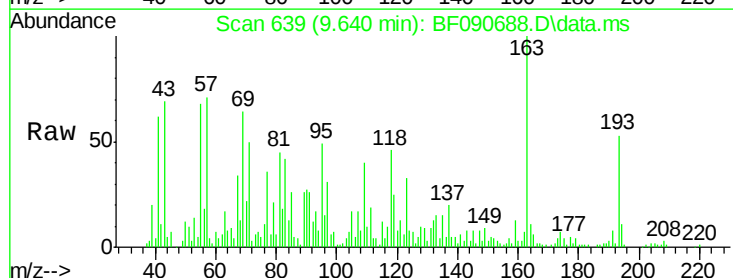
Instrument :
BNA_F
ClientSampleId :
FD-2

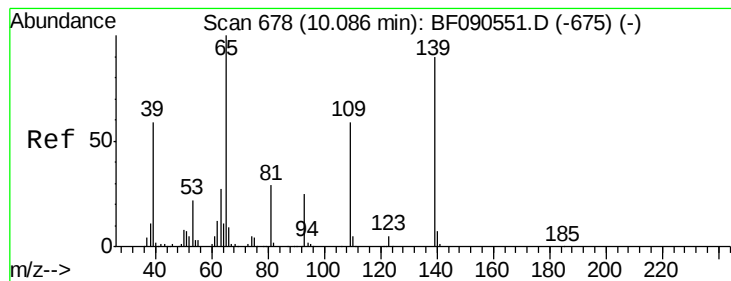
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.1	45.1
170	24.6	20.6	30.8



#49
Dimethylphthalate
Concen: 2.88 ng
RT: 9.640 min Scan# 639
Delta R.T. -0.034 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	11.4	2.3	3.5#
164	11.0	8.6	13.0





#55

4-Nitrophenol

Concen: 2.23 ng

RT: 10.029 min Scan# 67

Delta R.T. -0.046 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

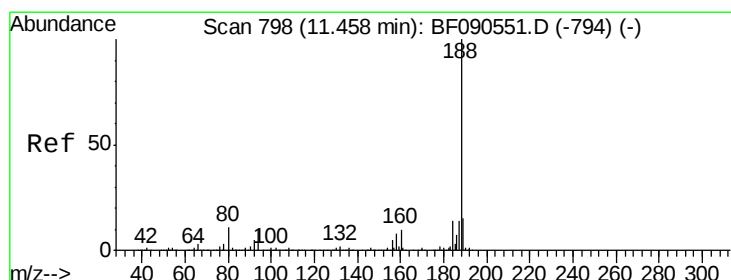
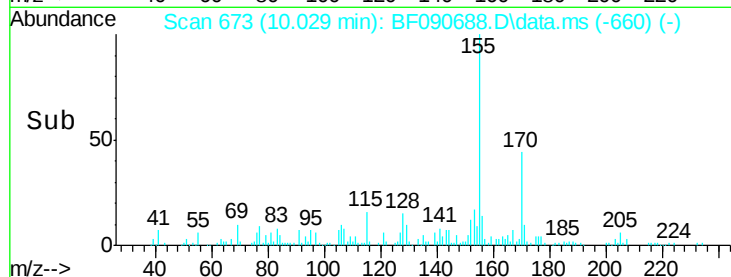
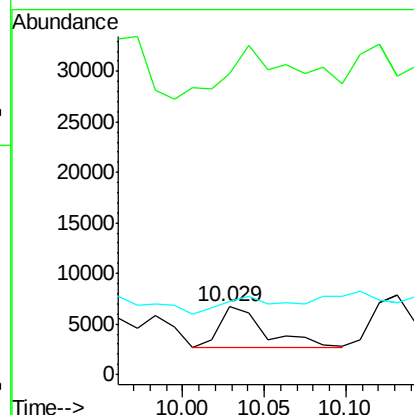
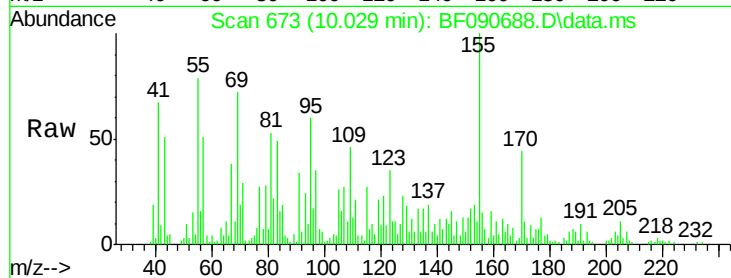
Tot Ion:139 Resp: 7811

Ion Ratio Lower Upper

139 100

109 445.2 45.9 85.9#

65 108.8 95.8 135.8



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.412 min Scan# 794

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

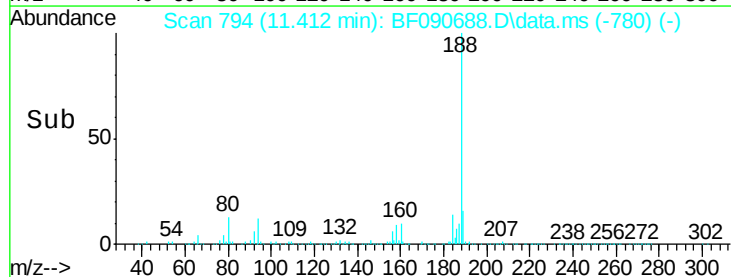
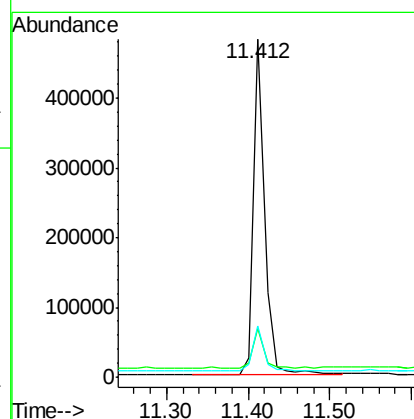
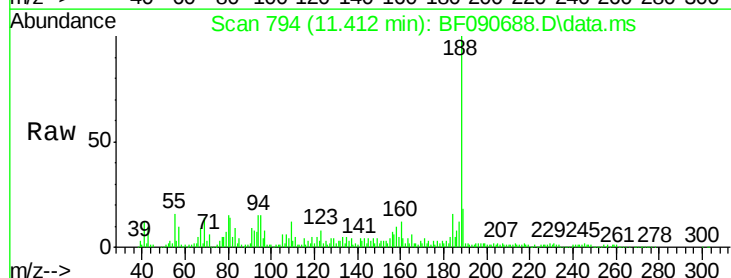
Tgt Ion:188 Resp: 455903

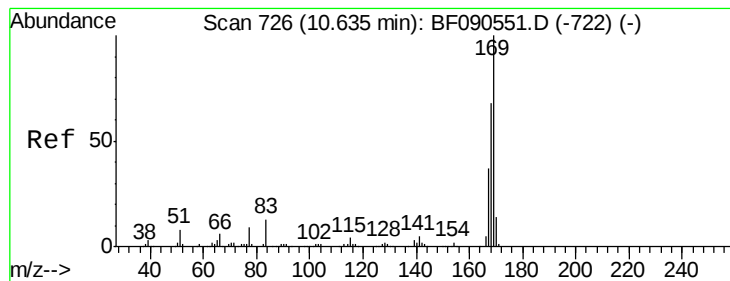
Ion Ratio Lower Upper

188 100

94 14.6 7.7 11.5#

80 15.2 8.6 12.8#





#65

n-Nitrosodiphenylamine

Concen: 9.28 ng

RT: 10.589 min Scan# 72

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

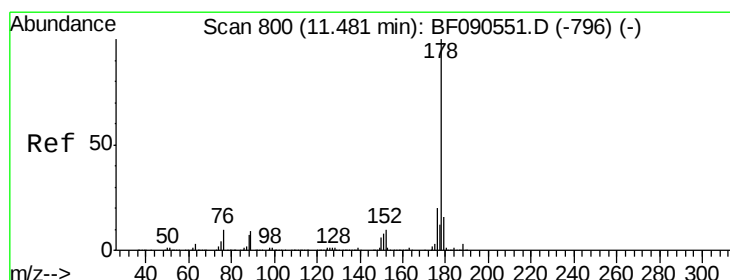
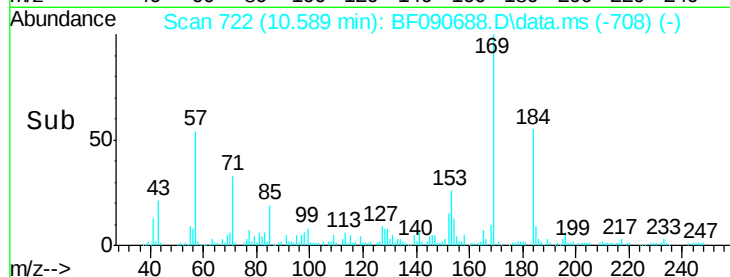
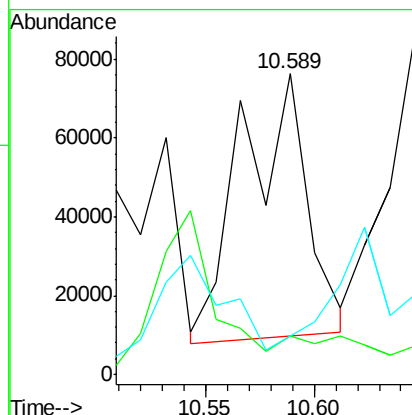
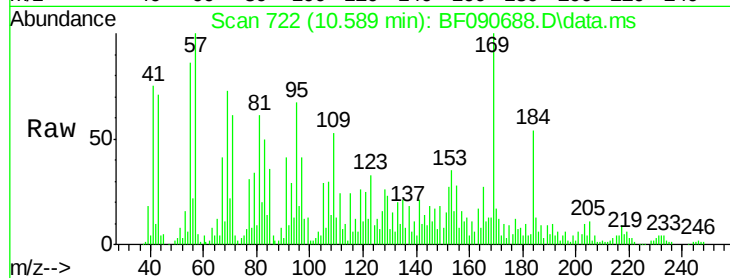
Tot Ion:169 Resp: 139798

Ion Ratio Lower Upper

169 100

168 12.7 54.6 81.8#

167 13.0 29.8 44.8#



#70

Phenanthrene

Concen: 11.57 ng

RT: 11.435 min Scan# 796

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

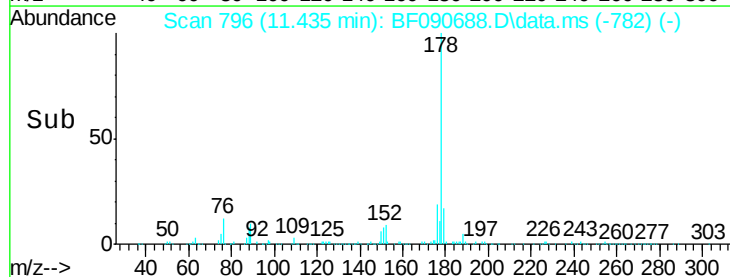
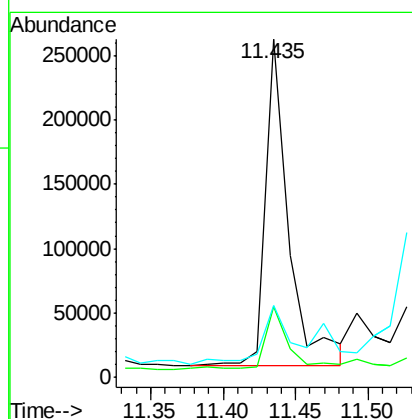
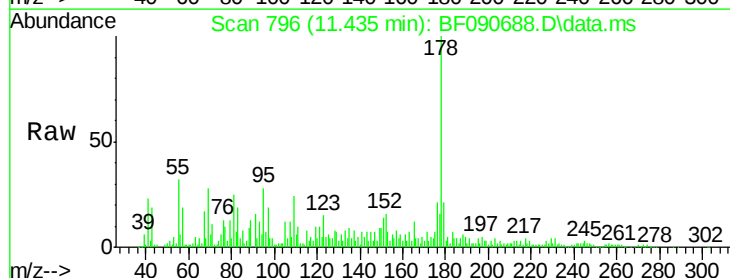
Tgt Ion:178 Resp: 281610

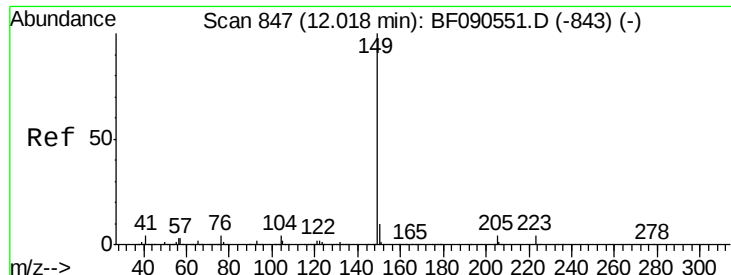
Ion Ratio Lower Upper

178 100

176 21.0 16.1 24.1

179 21.1 12.6 19.0#

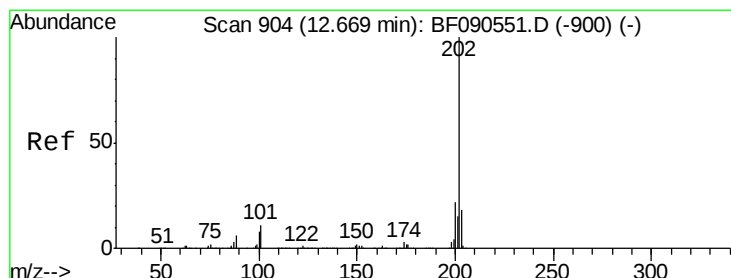
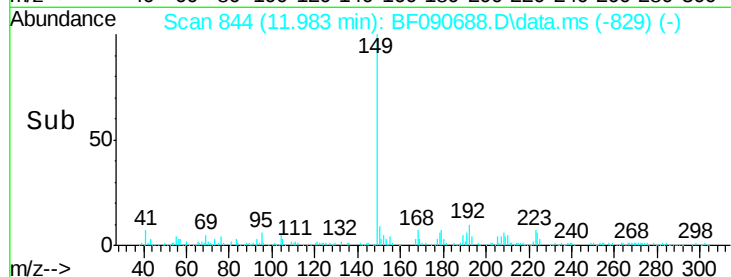
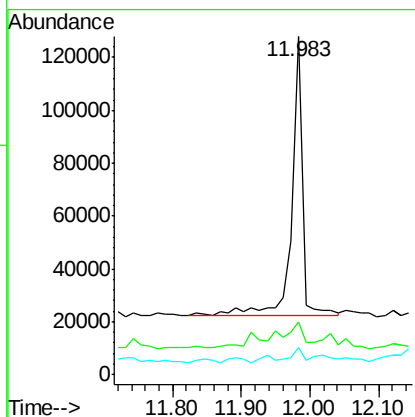
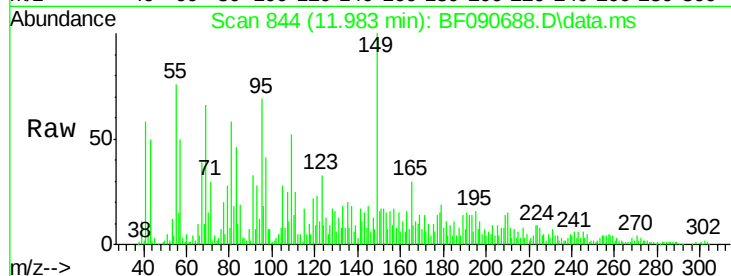




#73
Di-n-butylphthalate
Concen: 4.27 ng
RT: 11.983 min Scan# 84
Delta R.T. -0.023 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

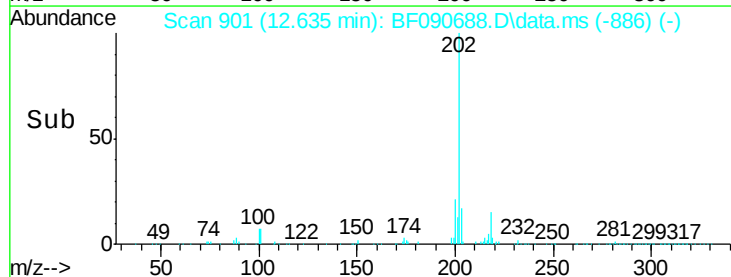
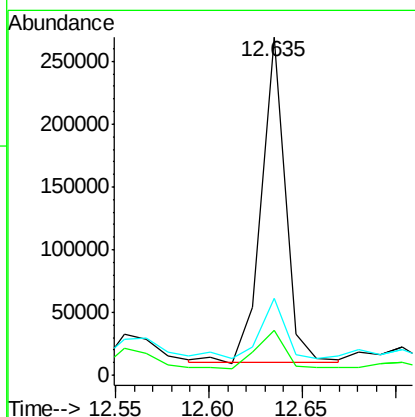
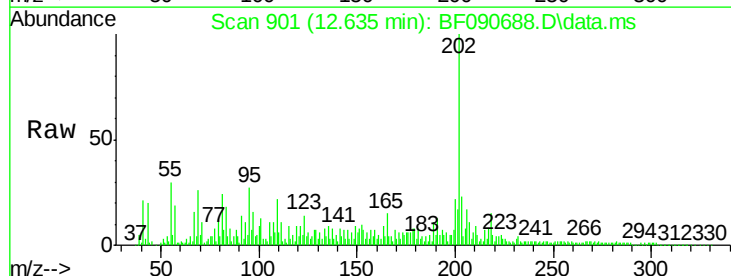
Instrument :
BNA_F
ClientSampleId :
FD-2

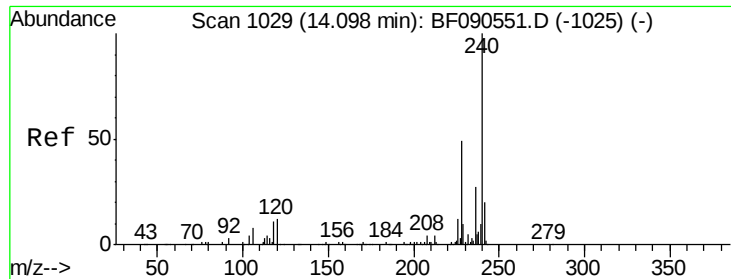
Tot Ion:149 Resp: 117215
Ion Ratio Lower Upper
149 100
150 15.7 7.8 11.6#
104 8.1 3.3 4.9#



#74
Fluoranthene
Concen: 9.30 ng
RT: 12.635 min Scan# 901
Delta R.T. -0.023 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

Tgt Ion:202 Resp: 227748
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.1
203 22.9 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.064 min Scan# 10

Delta R.T. -0.023 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

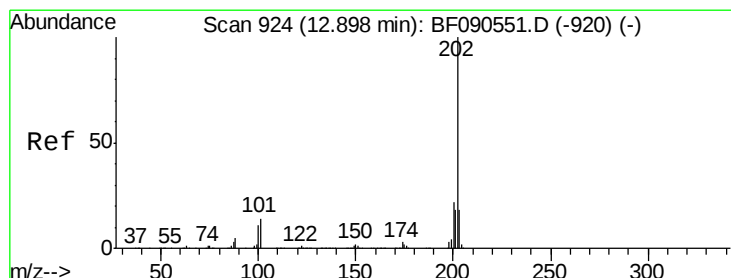
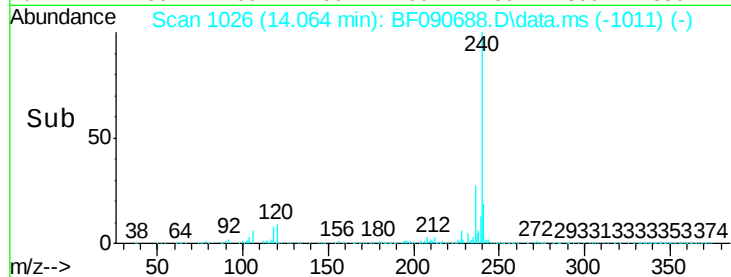
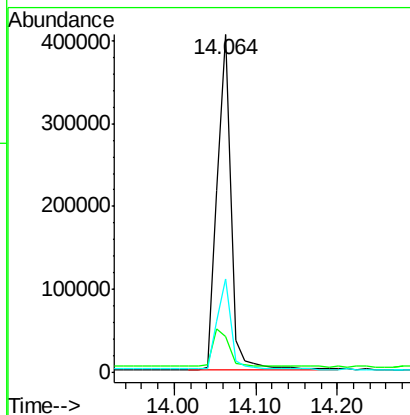
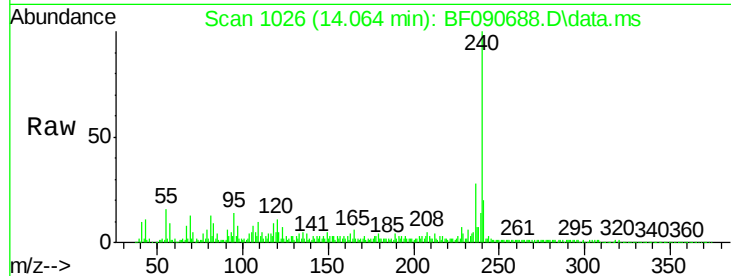
Tot Ion:240 Resp: 482553

Ion Ratio Lower Upper

240 100

120 10.6 9.8 14.8

236 27.6 21.7 32.5



#77

Pyrene

Concen: 11.28 ng

RT: 12.864 min Scan# 921

Delta R.T. -0.023 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

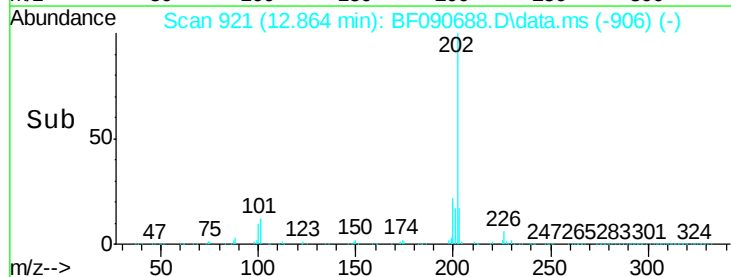
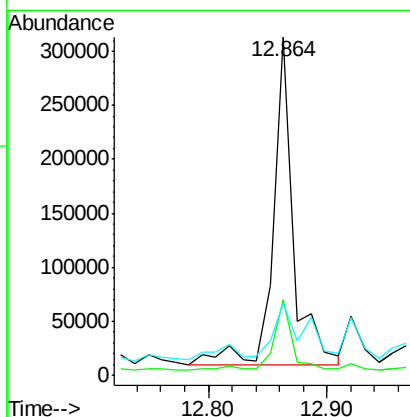
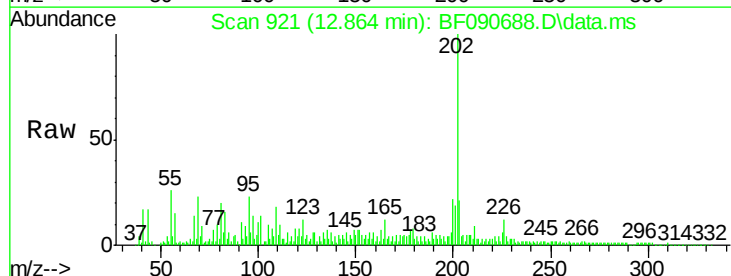
Tgt Ion:202 Resp: 360426

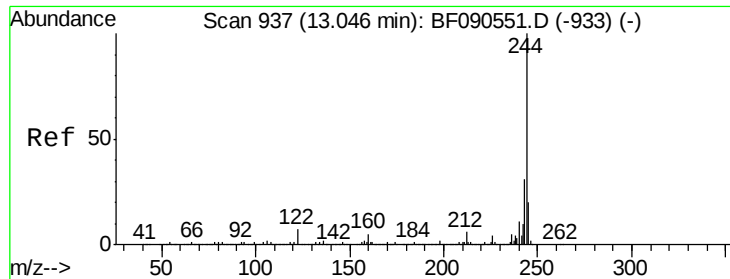
Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

203 21.3 14.6 21.8





#78

Terphenyl-d14

Concen: 9.14 ng

RT: 13.001 min Scan# 93

Delta R.T. -0.034 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

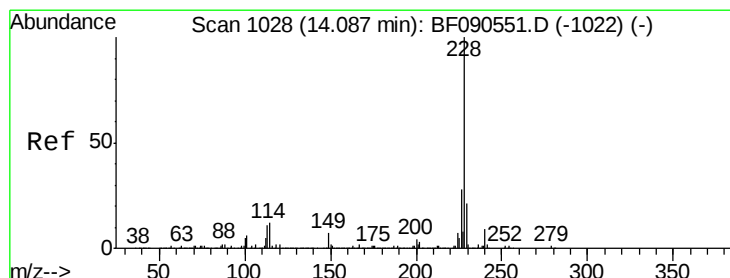
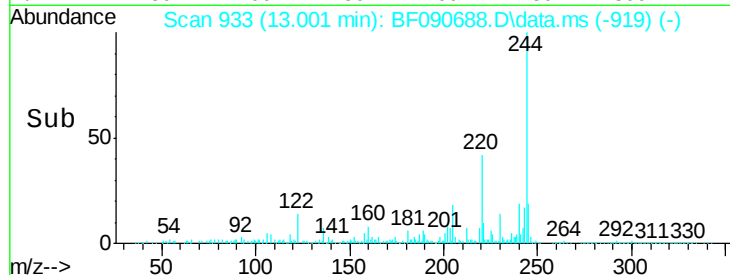
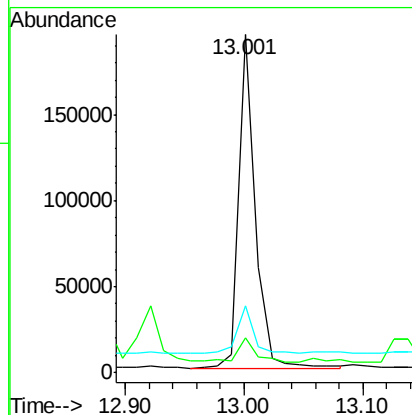
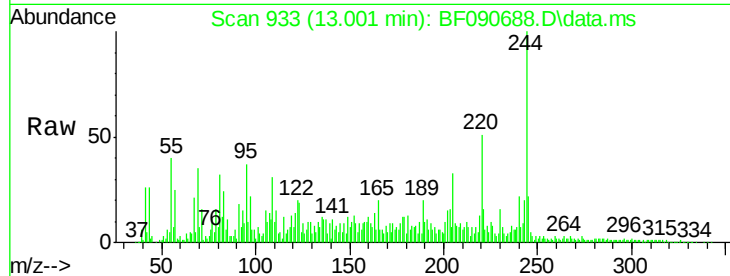
Tot Ion:244 Resp: 189424

Ion Ratio Lower Upper

244 100

212 10.1 5.0 7.4#

122 19.9 5.6 8.4#



#80

Benzo(a)anthracene

Concen: 4.71 ng

RT: 14.087 min Scan# 1028

Delta R.T. 0.011 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

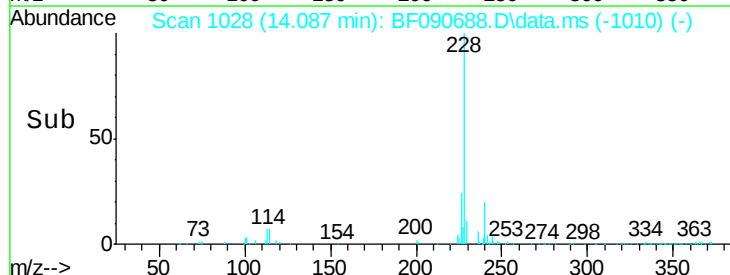
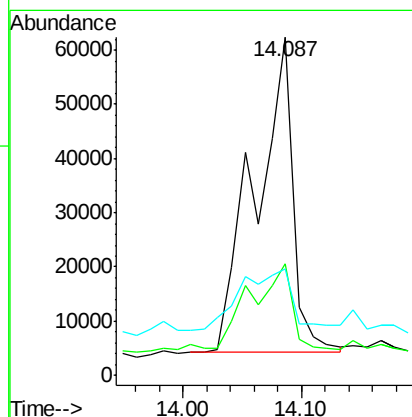
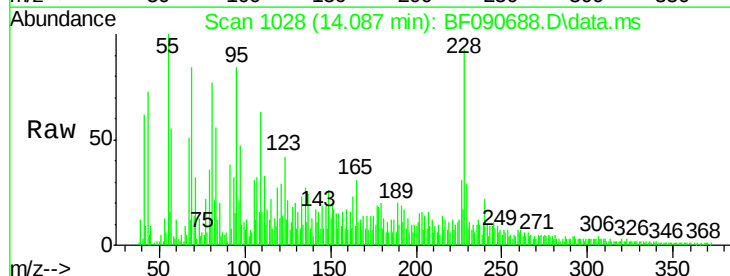
Tgt Ion:228 Resp: 129301

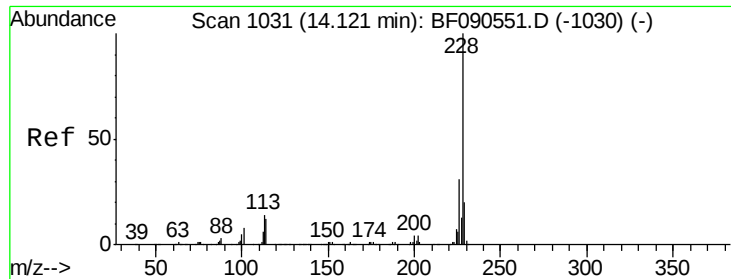
Ion Ratio Lower Upper

228 100

226 33.2 22.8 34.2

229 31.3 16.6 25.0#





#82

Chrysene

Concen: 4.89 ng

RT: 14.087 min Scan# 10

Delta R.T. -0.023 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

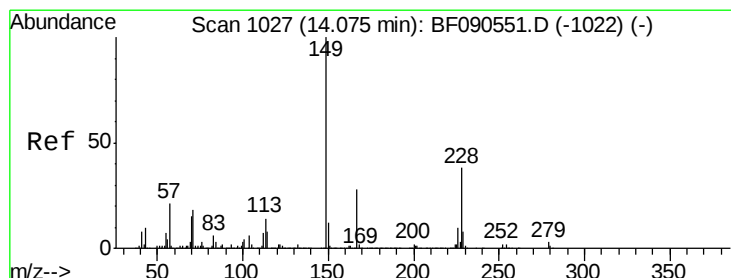
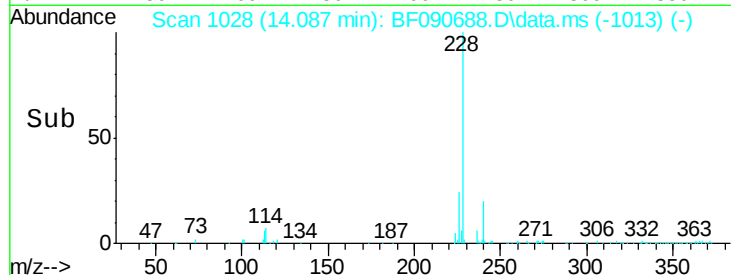
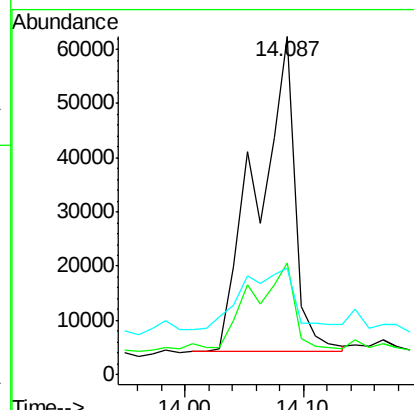
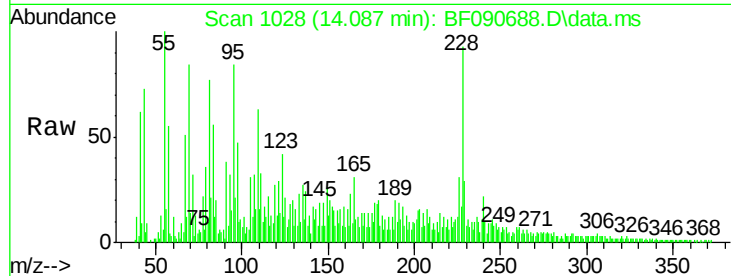
Tot Ion:228 Resp: 129301

Ion Ratio Lower Upper

228 100

226 33.2 24.8 37.2

229 31.3 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.56 ng

RT: 14.041 min Scan# 1024

Delta R.T. -0.023 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

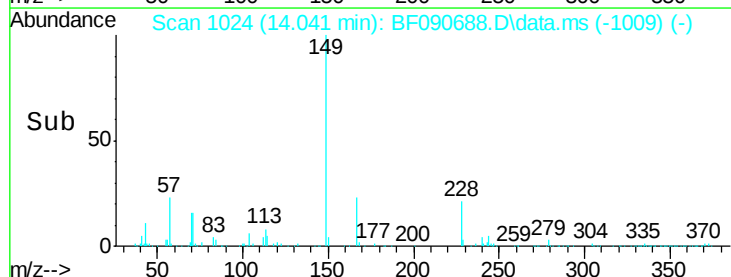
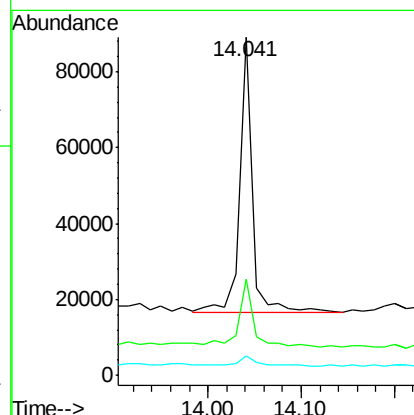
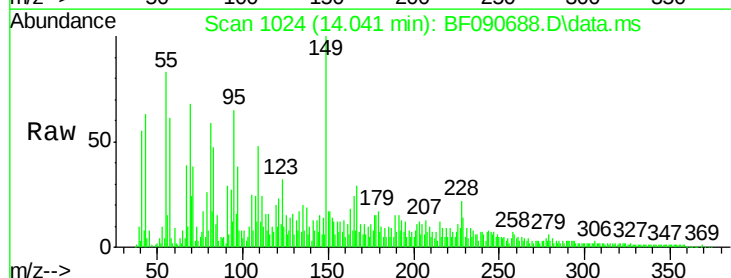
Tgt Ion:149 Resp: 68101

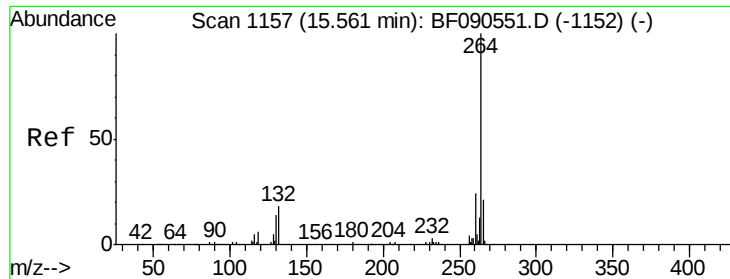
Ion Ratio Lower Upper

149 100

167 28.5 22.1 33.1

279 5.5 2.6 4.0#

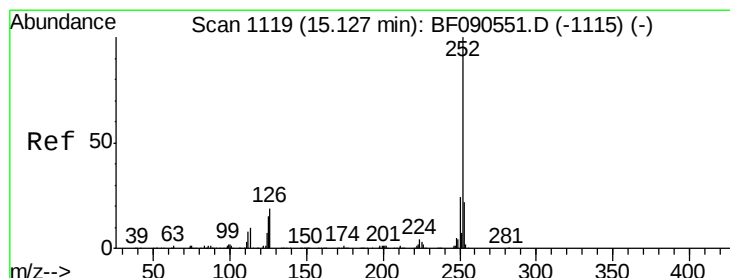
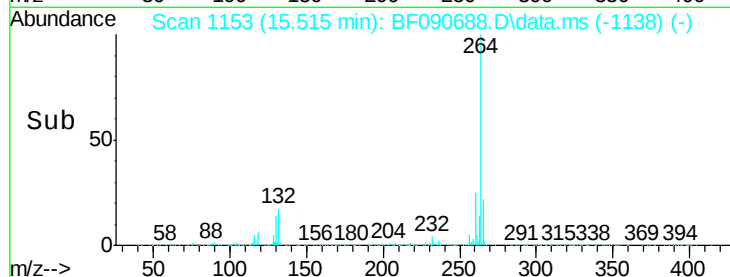
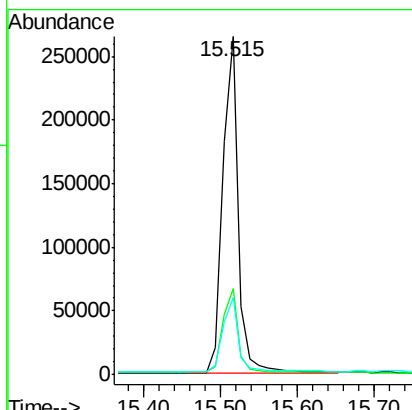
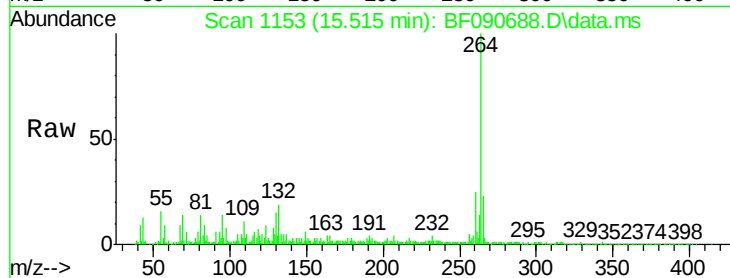




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 1157
Delta R.T. -0.023 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

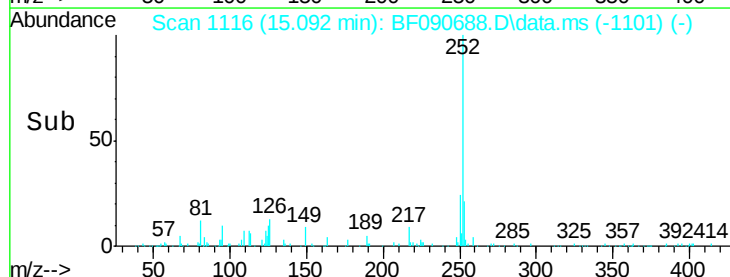
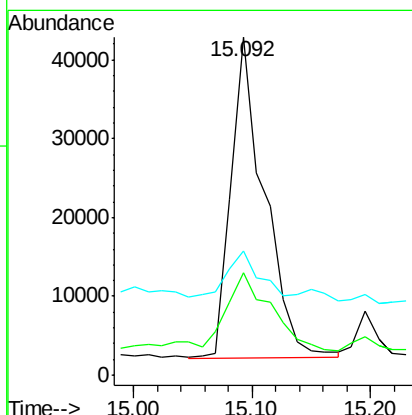
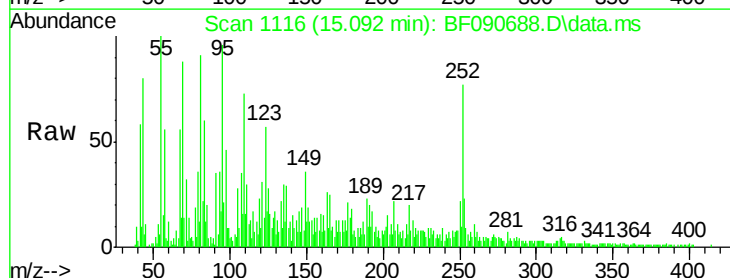
Instrument :
BNA_F
ClientSampleId :
FD-2

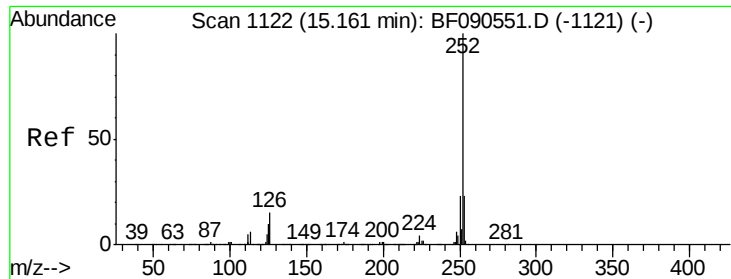
Tot Ion:264 Resp: 378338
Ion Ratio Lower Upper
264 100
260 25.4 19.3 28.9
265 22.6 16.7 25.1



#87
Benzo(b)fluoranthene
Concen: 3.23 ng
RT: 15.092 min Scan# 1116
Delta R.T. -0.023 min
Lab File: BF090688.D
Acq: 20 Oct 2016 17:59

Tgt Ion:252 Resp: 79950
Ion Ratio Lower Upper
252 100
253 30.3 17.8 26.8#
125 36.6 12.0 18.0#





#88

Benzo(k)fluoranthene

Concen: 3.01 ng

RT: 15.092 min Scan# 11

Delta R.T. -0.057 min

Lab File: BF090688.D

Acq: 20 Oct 2016 17:59

Instrument :

BNA_F

ClientSampleId :

FD-2

Tot Ion:252 Resp: 80052

Ion Ratio Lower Upper

252 100

253 30.3 18.0 27.0#

125 36.6 10.0 15.0#

