

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF070116\
 Data File : BF088568.D
 Acq On : 1 Jul 2016 11:57
 Operator : UM/SJ
 Sample : H3808-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Quant Time: Jul 01 13:34:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

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

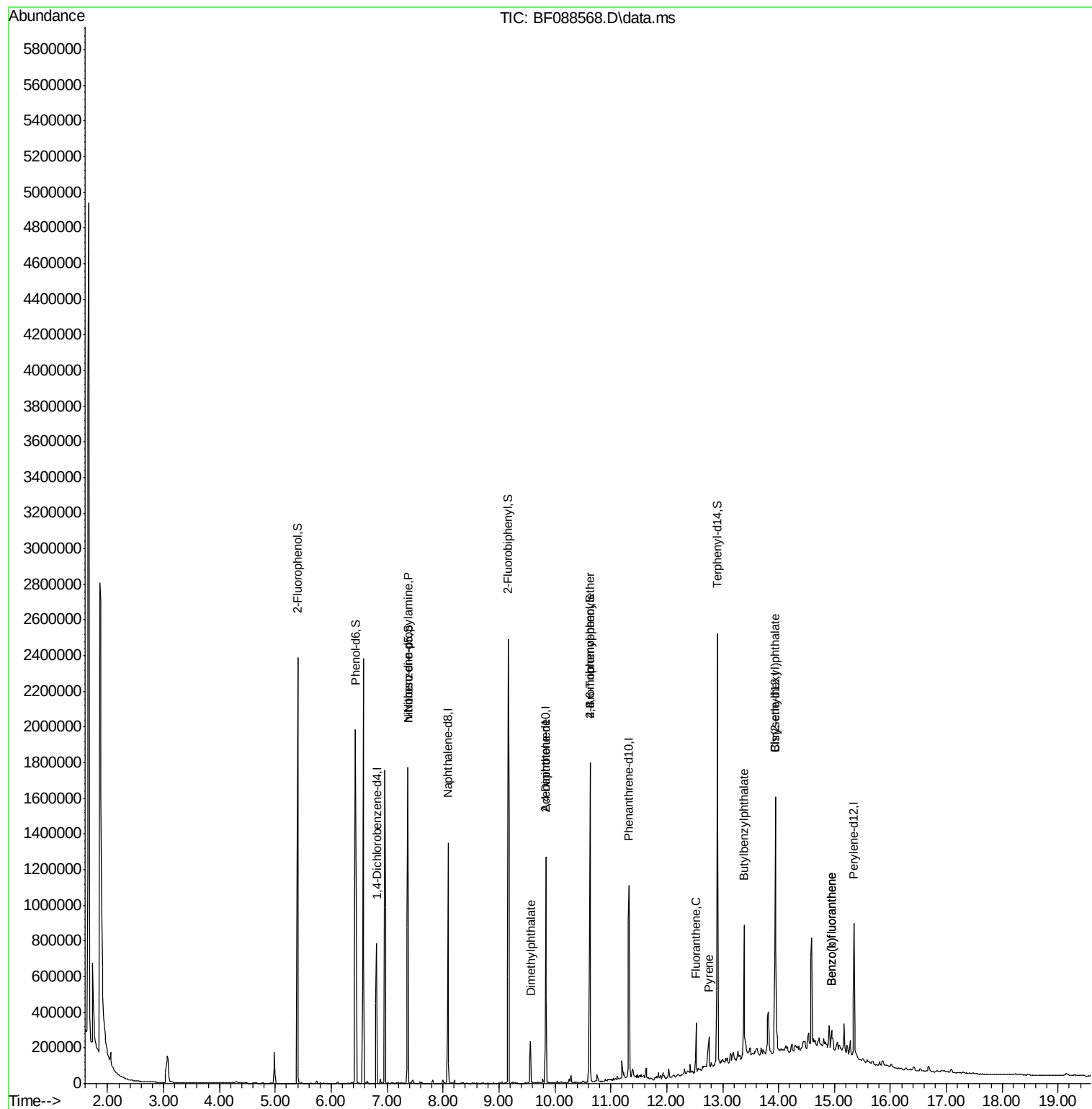
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	141166	20.00	ng	0.00	
21) Naphthalene-d8	8.090	136	575903	20.00	ng	-0.01	
38) Acenaphthene-d10	9.839	164	271108	20.00	ng	-0.01	
63) Phenanthrene-d10	11.325	188	543787	20.00	ng	0.00	
75) Chrysene-d12	13.942	240	379780	20.00	ng	-0.01	
86) Perylene-d12	15.348	264	311856	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	748030	79.42	ng	0.00	
7) Phenol-d6	6.433	99	955823	78.53	ng	-0.01	
23) Nitrobenzene-d5	7.370	82	668211	60.80	ng	-0.01	
41) 2,4,6-Tribromophenol	10.628	330	203113	80.68	ng	-0.01	
44) 2-Fluorobiphenyl	9.165	172	1070277	62.36	ng	-0.01	
78) Terphenyl-d14	12.902	244	951818	55.82	ng	-0.01	
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.370	70	89961	11.00	ng	#	72
49) Dimethylphthalate	9.565	163	117262	6.07	ng		98
56) 2,4-Dinitrotoluene	9.839	165	35208	6.29	ng	#	38
66) 4-Bromophenyl-phenylether	10.628	248	14374	2.62	ng	#	1
74) Fluoranthene	12.525	202	99086	3.29	ng		96
77) Pyrene	12.754	202	88764	2.76	ng		97
79) Butylbenzylphthalate	13.382	149	148816	10.36	ng	#	86
83) Bis(2-ethylhexyl)phtha...	13.942	149	224683	13.70	ng	#	98
87) Benzo(b)fluoranthene	14.948	252	65787	3.36	ng	#	88
88) Benzo(k)fluoranthene	14.948	252	65787	3.86	ng	#	93

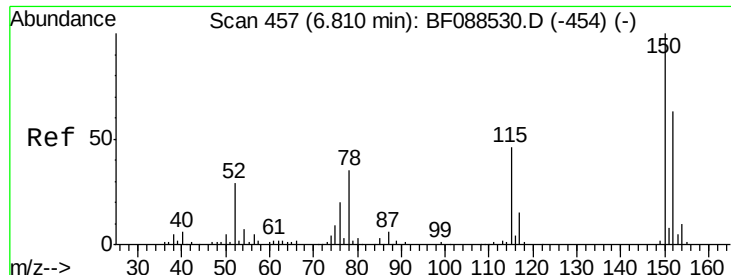
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.810 min Scan# 45

Delta R.T. -0.000 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

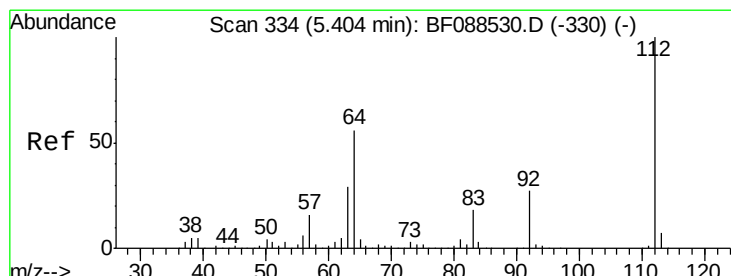
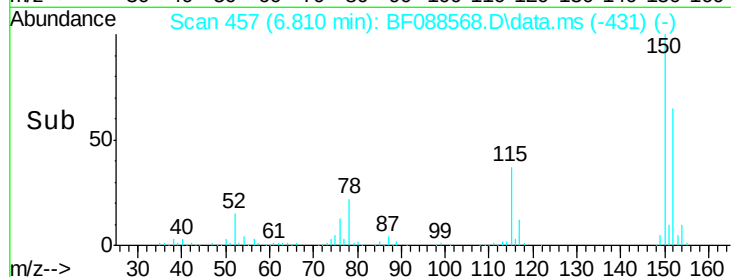
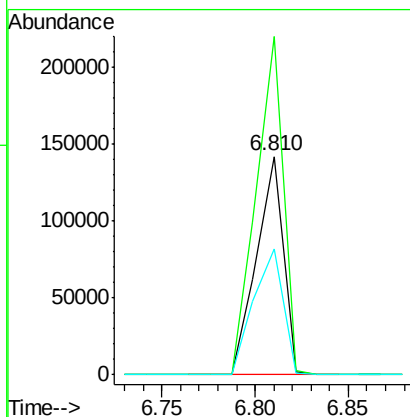
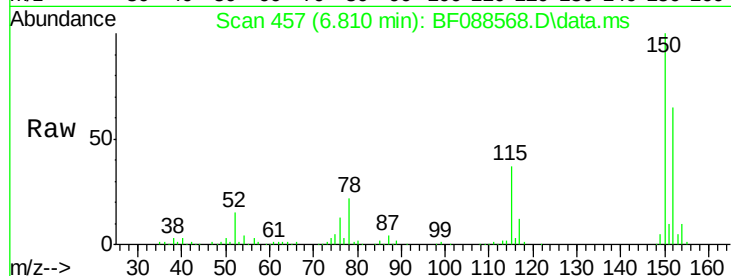
Tot Ion:152 Resp: 141166

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

115 57.5 39.6 59.4



#5

2-Fluorophenol

Concen: 79.42 ng

RT: 5.404 min Scan# 334

Delta R.T. 0.000 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

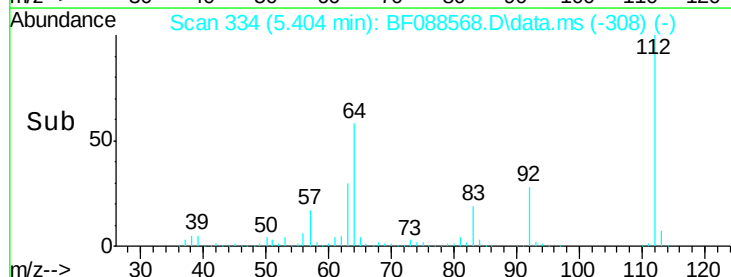
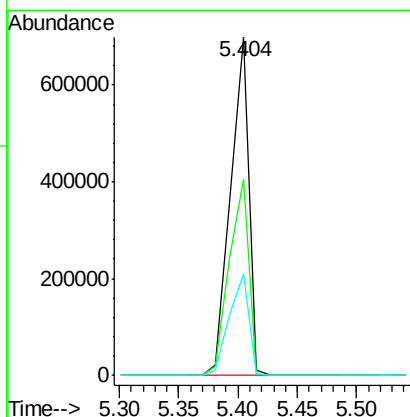
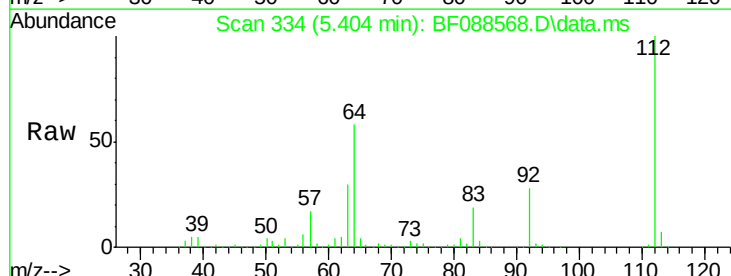
Tgt Ion:112 Resp: 748030

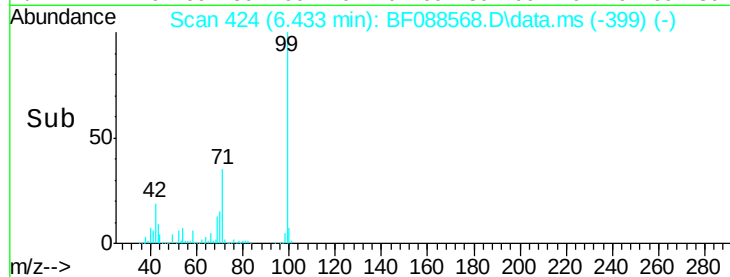
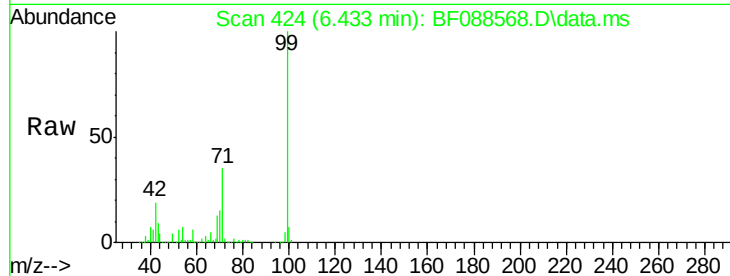
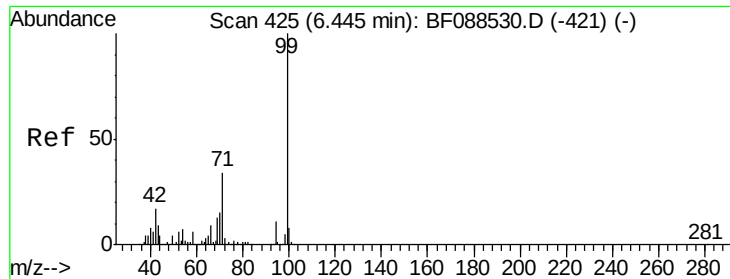
Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

63 30.0 21.8 32.8





#7

Phenol-d6

Concen: 78.53 ng

RT: 6.433 min Scan# 42

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

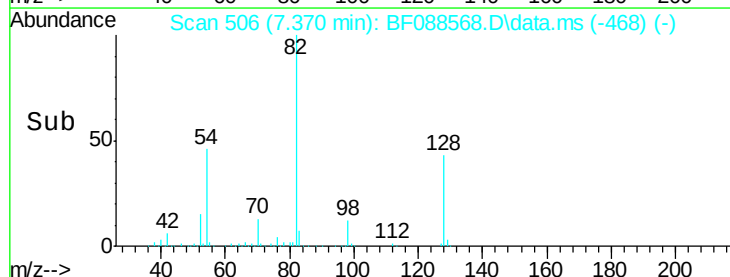
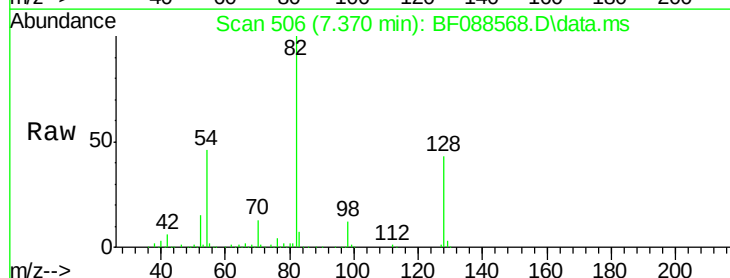
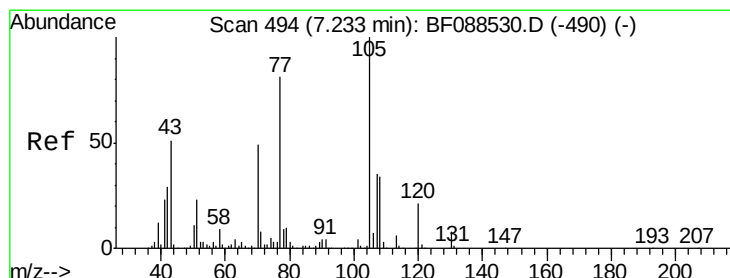
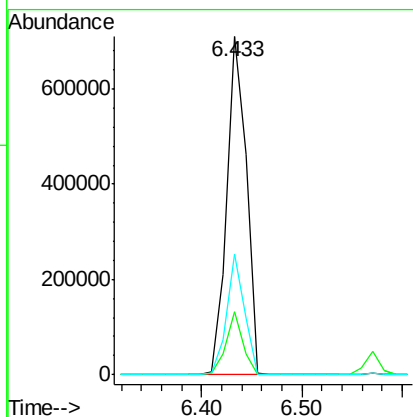
Tot Ion: 99 Resp: 955823

Ion Ratio Lower Upper

99 100

42 18.6 12.2 18.2#

71 35.5 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 11.00 ng

RT: 7.370 min Scan# 506

Delta R.T. 0.137 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Tgt Ion: 70 Resp: 89961

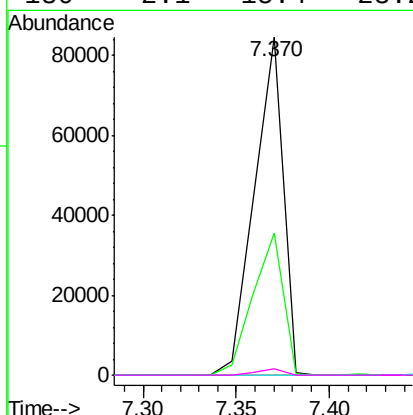
Ion Ratio Lower Upper

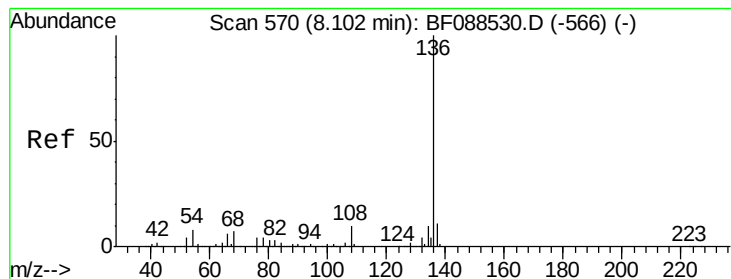
70 100

42 42.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.090 min Scan# 56

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion:136 Resp: 575903

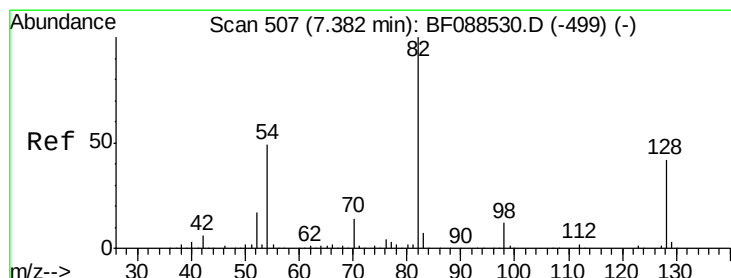
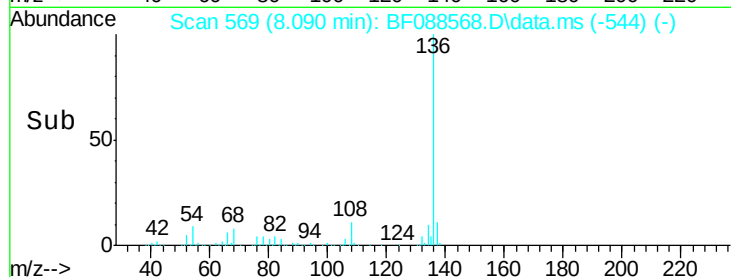
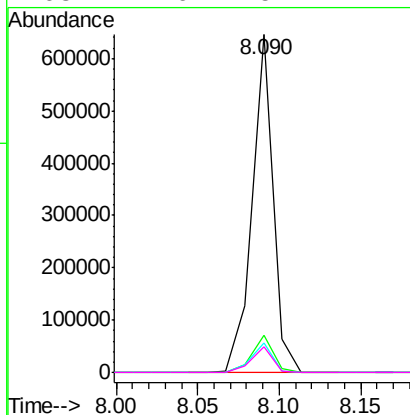
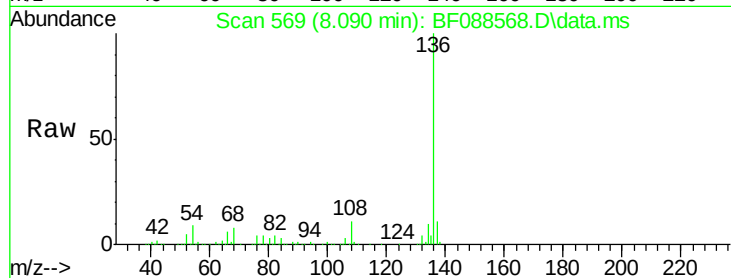
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.8 6.6 10.0

68 7.6 5.1 7.7



#23

Nitrobenzene-d5

Concen: 60.80 ng

RT: 7.370 min Scan# 506

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

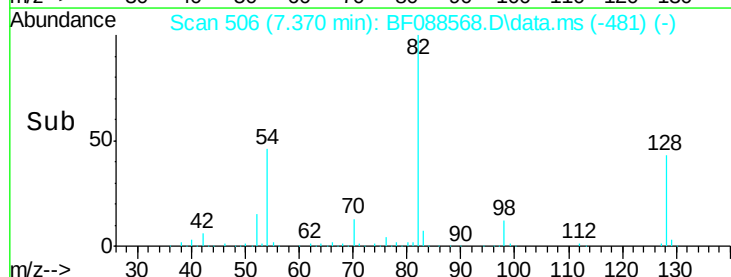
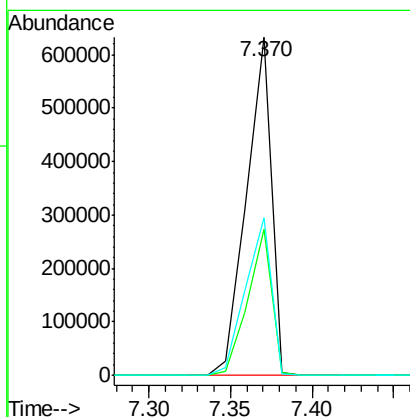
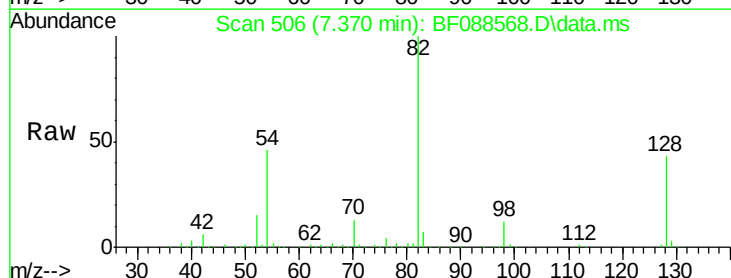
Tgt Ion: 82 Resp: 668211

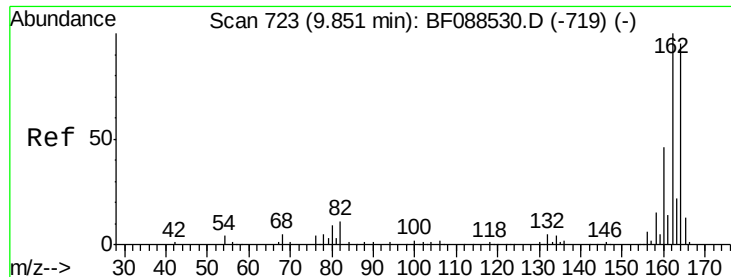
Ion Ratio Lower Upper

82 100

128 43.1 35.9 53.9

54 46.5 40.9 61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.839 min Scan# 72

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

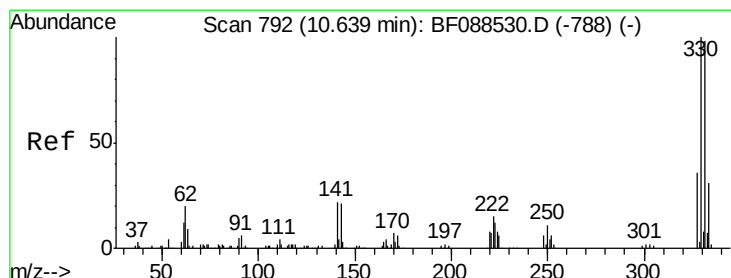
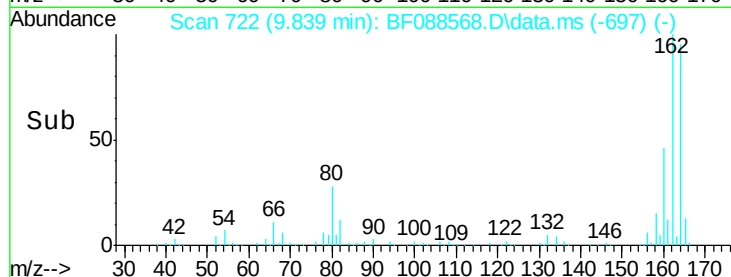
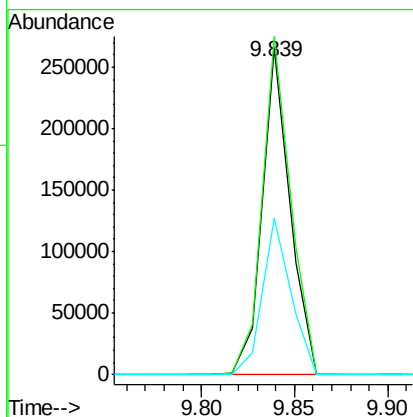
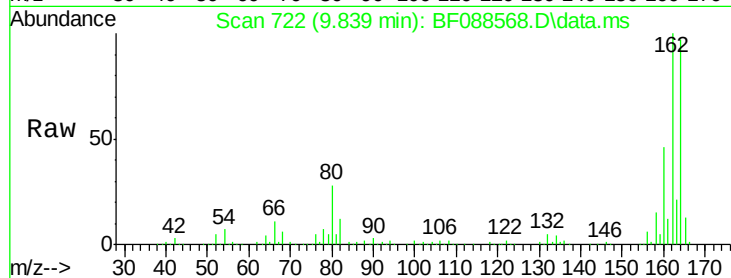
Tot Ion:164 Resp: 271108

Ion Ratio Lower Upper

164 100

162 103.6 85.4 128.2

160 47.8 39.5 59.3



#41

2,4,6-Tribromophenol

Concen: 80.68 ng

RT: 10.628 min Scan# 791

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

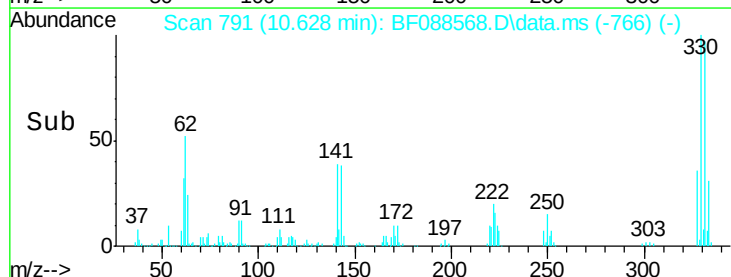
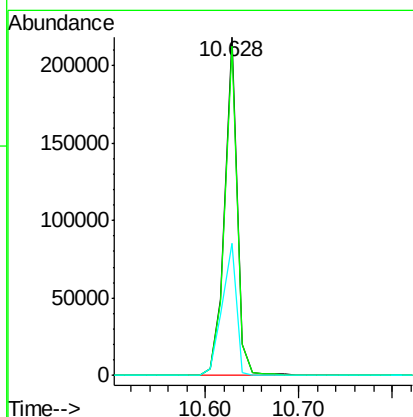
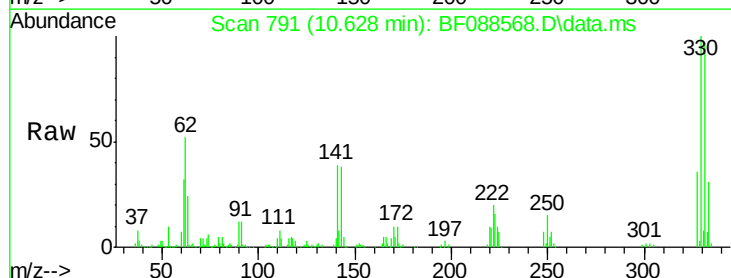
Tgt Ion:330 Resp: 203113

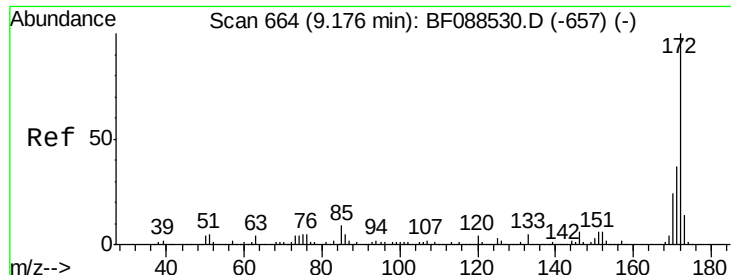
Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

141 44.2 0.0 0.0#

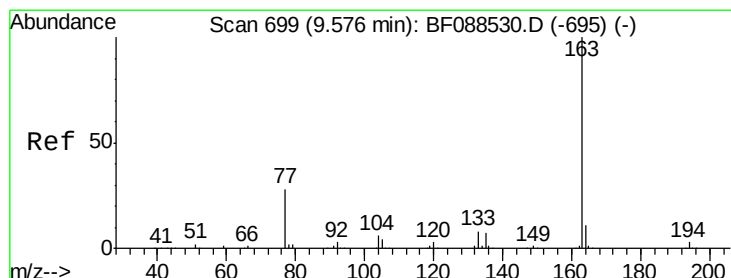
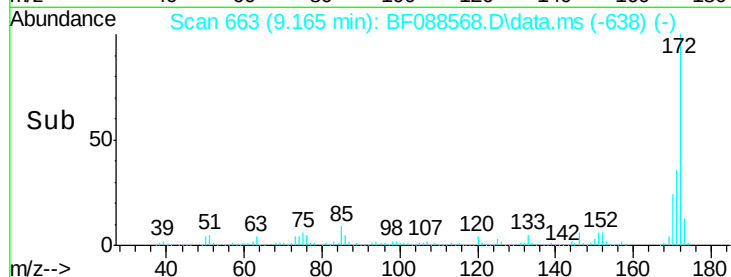
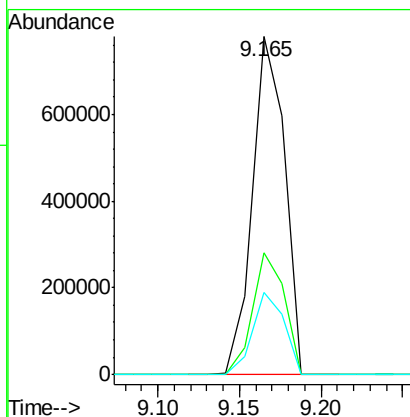
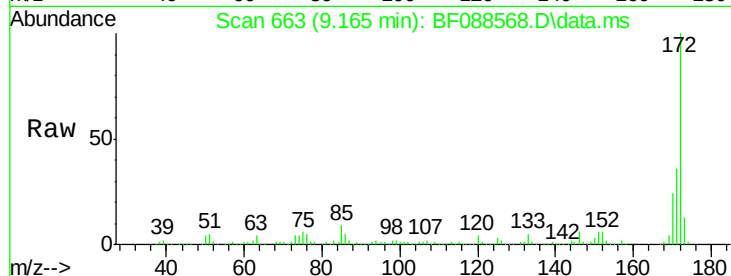




#44
2-Fluorobiphenyl
Concen: 62.36 ng
RT: 9.165 min Scan# 66
Delta R.T. -0.012 min
Lab File: BF088568.D
Acq: 1 Jul 2016 11:57

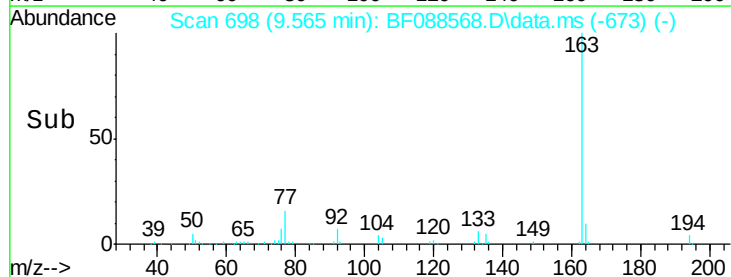
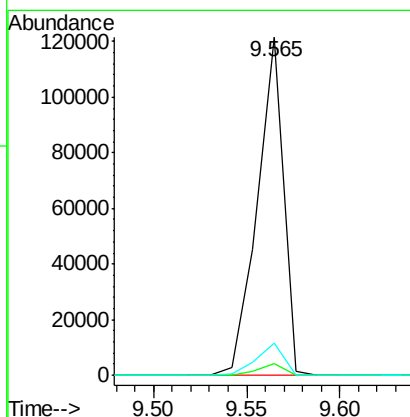
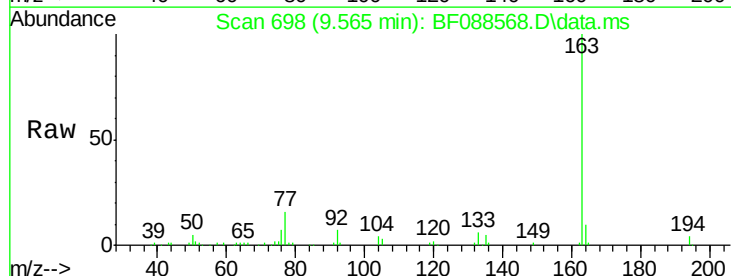
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

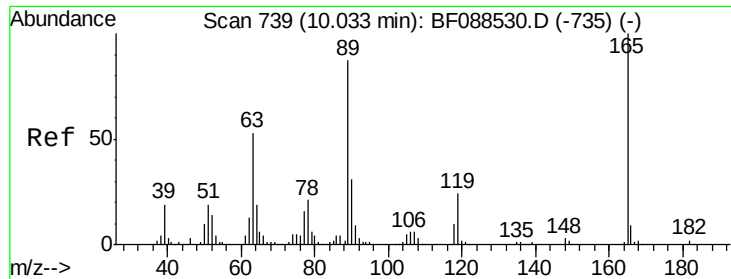
Tot Ion:172 Resp: 1070277
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.2 19.2 28.8



#49
Dimethylphthalate
Concen: 6.07 ng
RT: 9.565 min Scan# 698
Delta R.T. -0.012 min
Lab File: BF088568.D
Acq: 1 Jul 2016 11:57

Tgt Ion:163 Resp: 117262
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.5 8.3 12.5

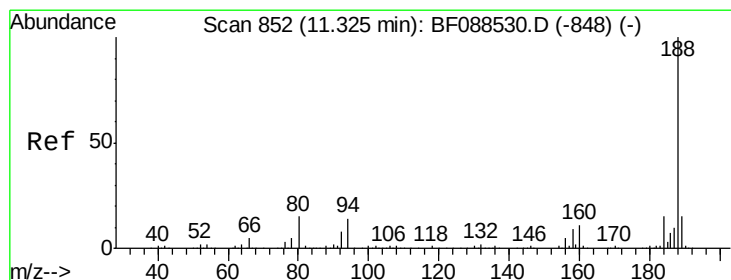
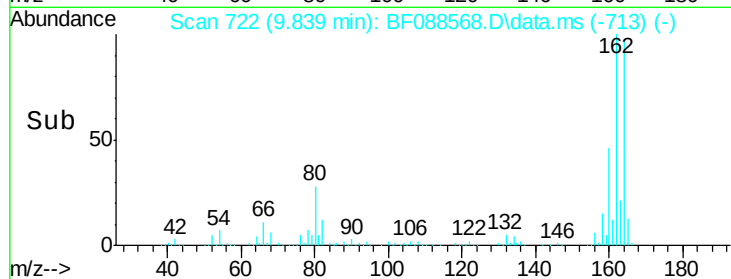
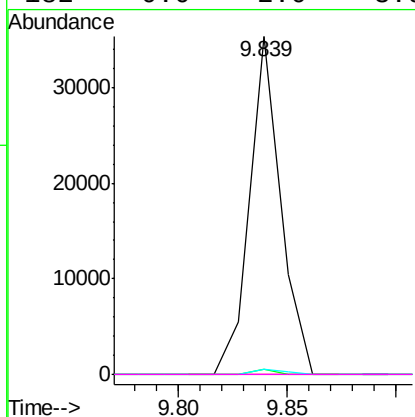
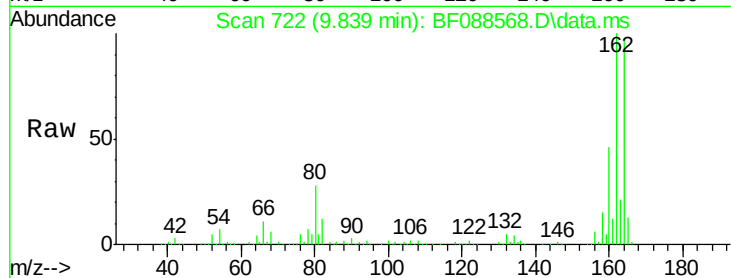




#56
 2,4-Dinitrotoluene
 Concen: 6.29 ng
 RT: 9.839 min Scan# 72
 Delta R.T. -0.194 min
 Lab File: BF088568.D
 Acq: 1 Jul 2016 11:57

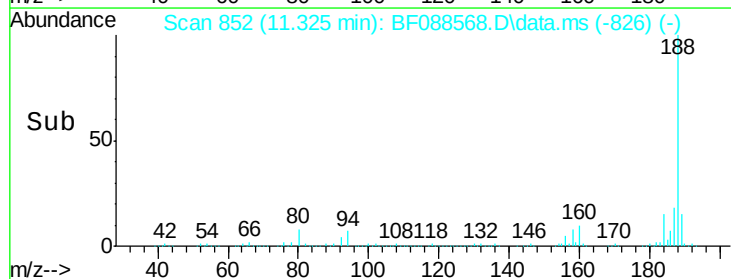
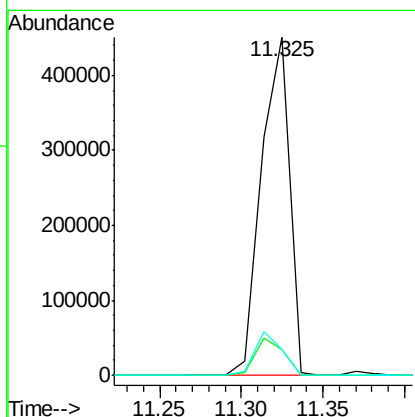
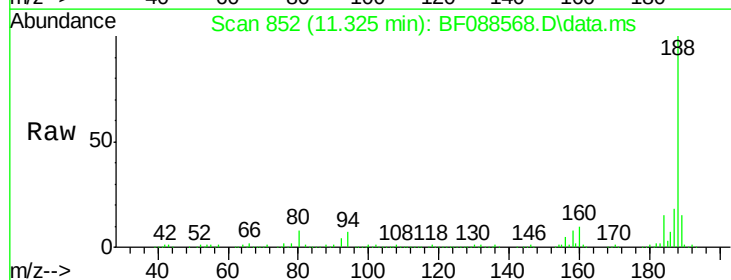
Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

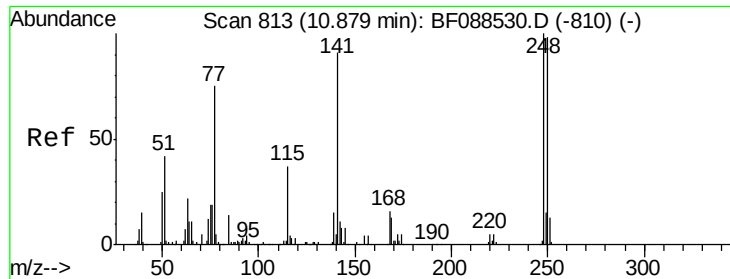
Tot Ion:	165	Resp:	35208
Ion Ratio	Lower	Upper	
165	100		
63	1.5	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.325 min Scan# 852
 Delta R.T. -0.000 min
 Lab File: BF088568.D
 Acq: 1 Jul 2016 11:57

Tgt Ion:	188	Resp:	543787
Ion Ratio	Lower	Upper	
188	100		
94	7.4	9.0	13.6#
80	7.8	10.0	15.0#

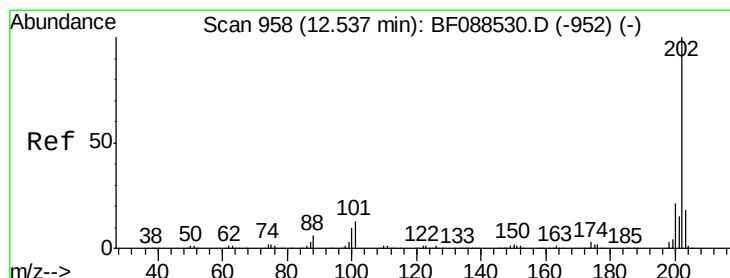
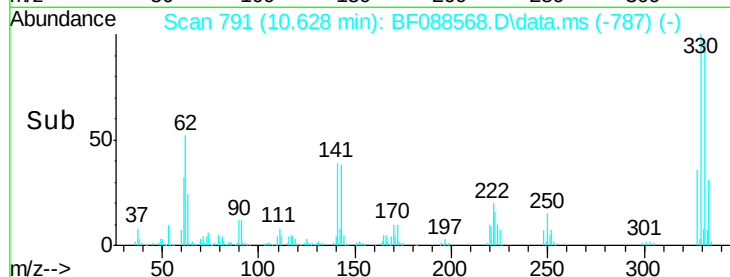
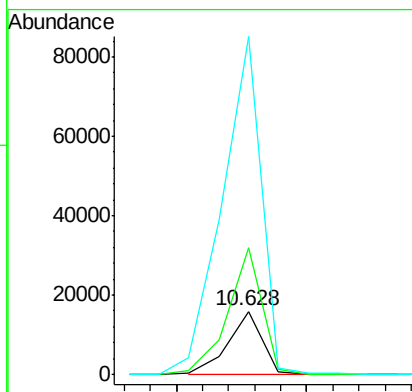
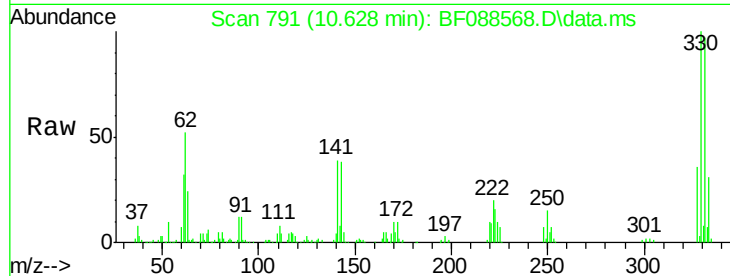




#66
4-Bromophenyl-phenylether
Concen: 2.62 ng
RT: 10.628 min Scan# 79
Delta R.T. -0.252 min
Lab File: BF088568.D
Acq: 1 Jul 2016 11:57

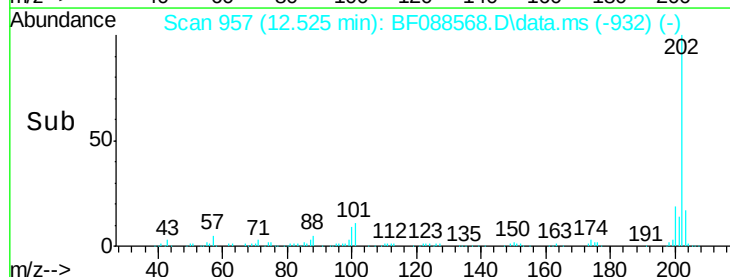
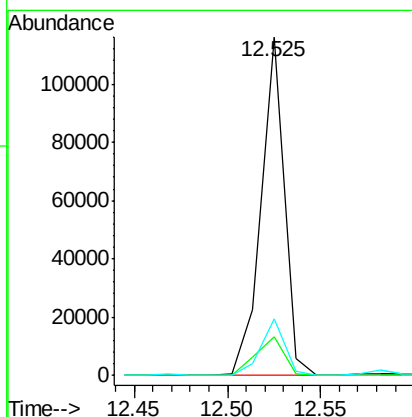
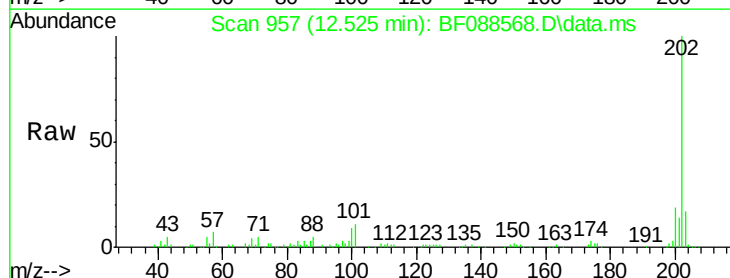
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

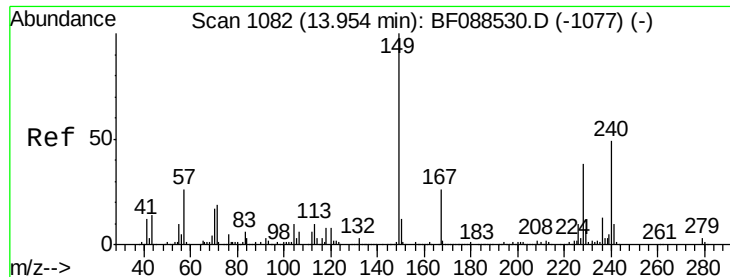
Tot Ion:248 Resp: 14374
Ion Ratio Lower Upper
248 100
250 200.5 77.1 115.7#
141 536.2 50.6 76.0#



#74
Fluoranthene
Concen: 3.29 ng
RT: 12.525 min Scan# 957
Delta R.T. -0.012 min
Lab File: BF088568.D
Acq: 1 Jul 2016 11:57

Tgt Ion:202 Resp: 99086
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.1
203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.942 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

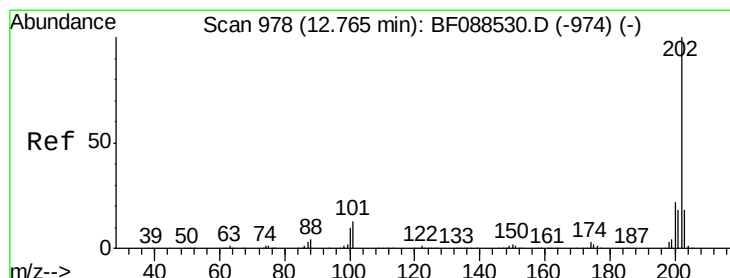
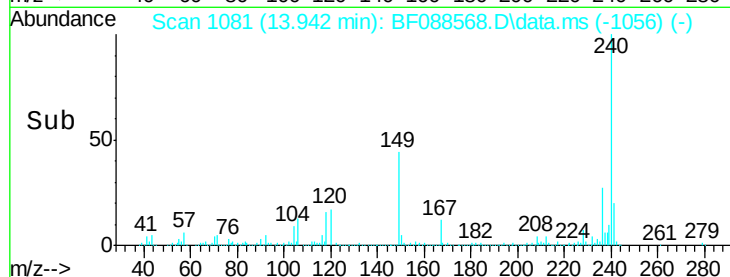
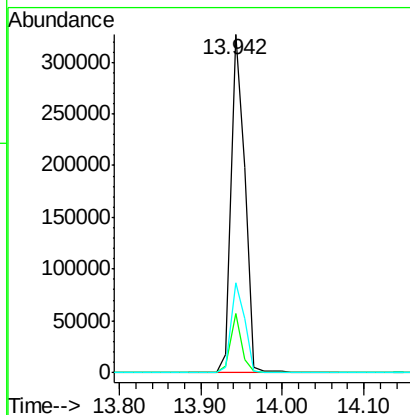
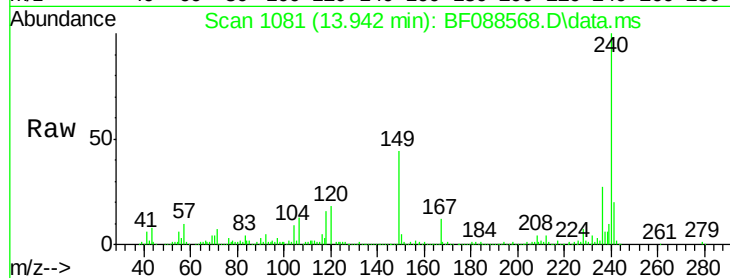
Tot Ion:240 Resp: 379780

Ion Ratio Lower Upper

240 100

120 17.5 6.8 10.2#

236 26.6 20.2 30.2



#77

Pyrene

Concen: 2.76 ng

RT: 12.754 min Scan# 977

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

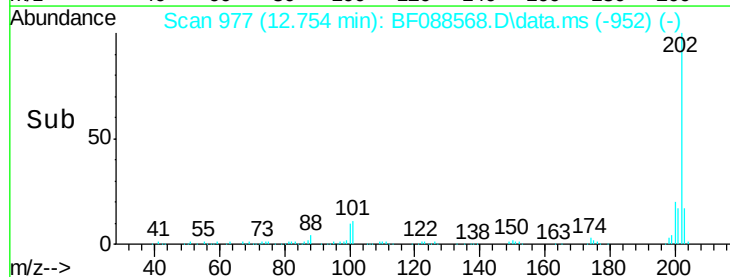
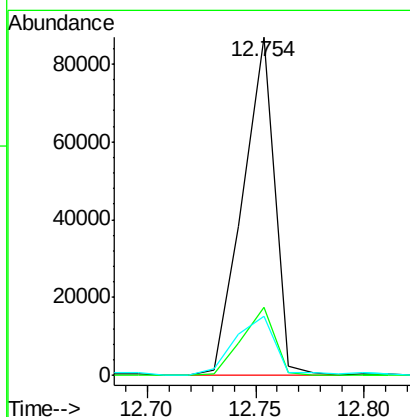
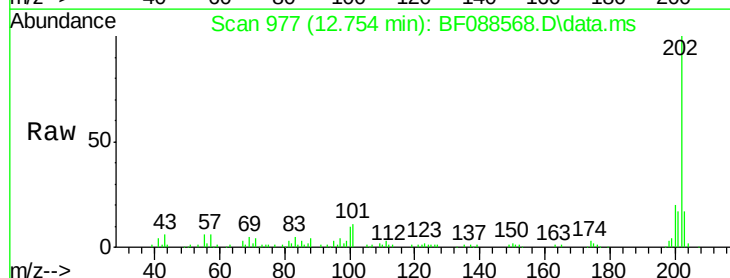
Tgt Ion:202 Resp: 88764

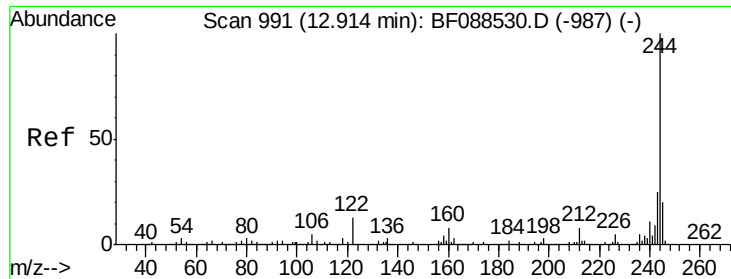
Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

203 17.3 14.5 21.7





#78

Terphenyl-d14

Concen: 55.82 ng

RT: 12.902 min Scan# 99

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

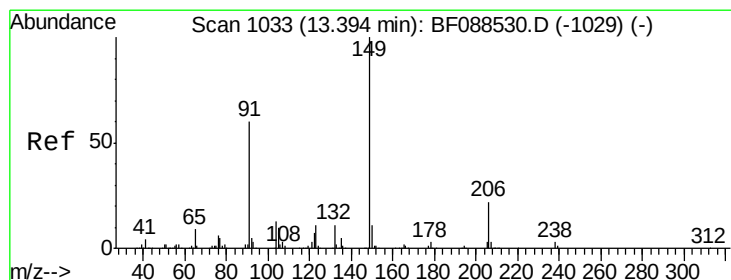
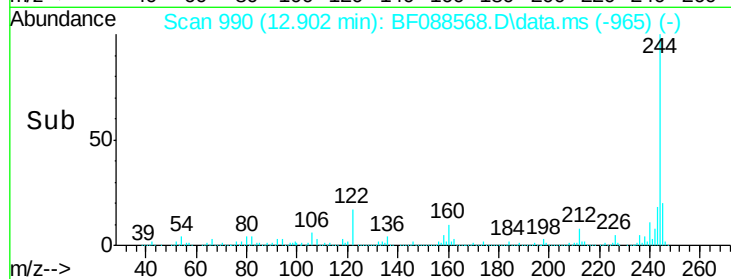
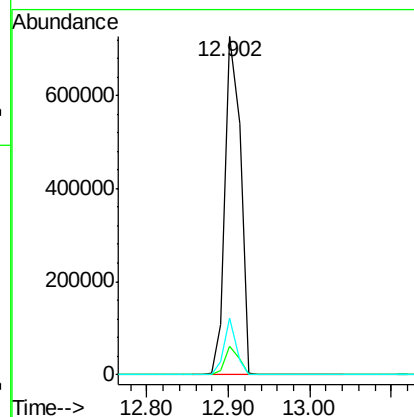
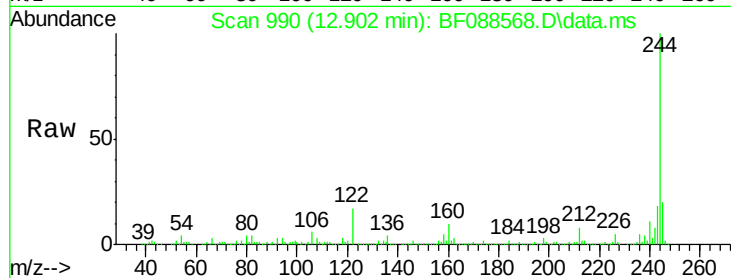
Tot Ion:244 Resp: 951818

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

122 16.8 11.2 16.8#



#79

Butylbenzylphthalate

Concen: 10.36 ng

RT: 13.382 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

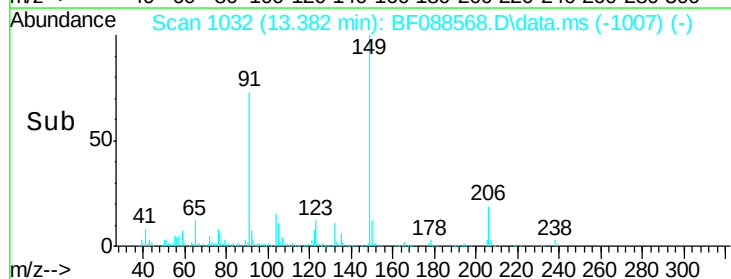
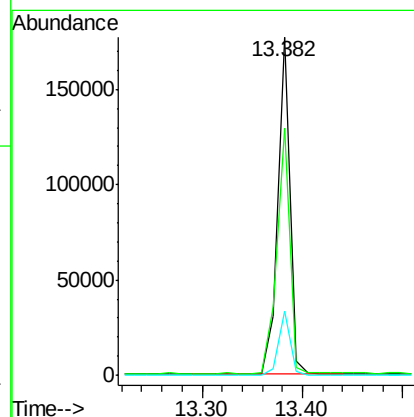
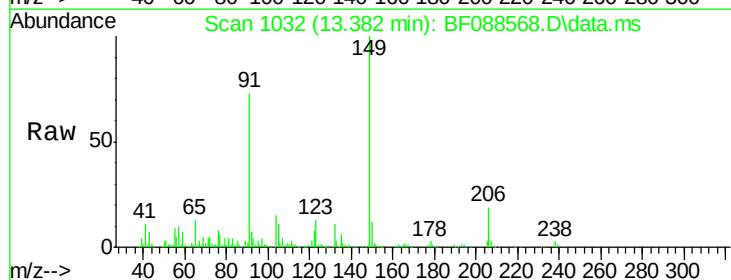
Tgt Ion:149 Resp: 148816

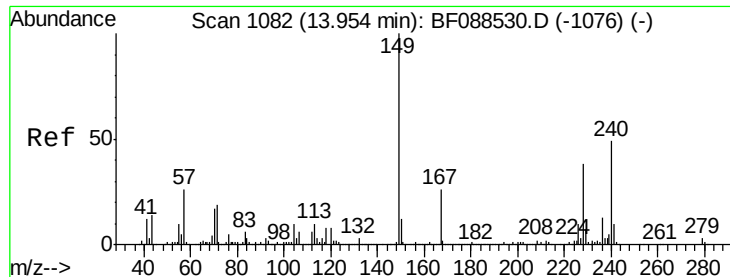
Ion Ratio Lower Upper

149 100

91 73.2 48.0 72.0#

206 19.0 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 13.70 ng

RT: 13.942 min Scan# 1082

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

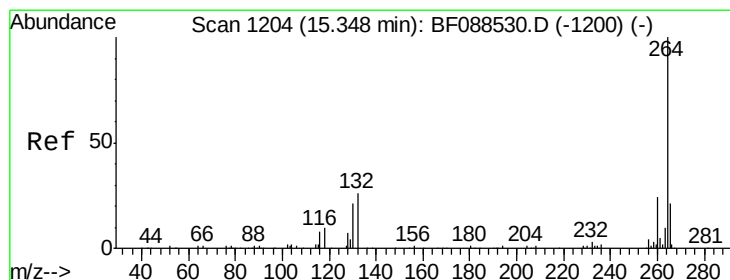
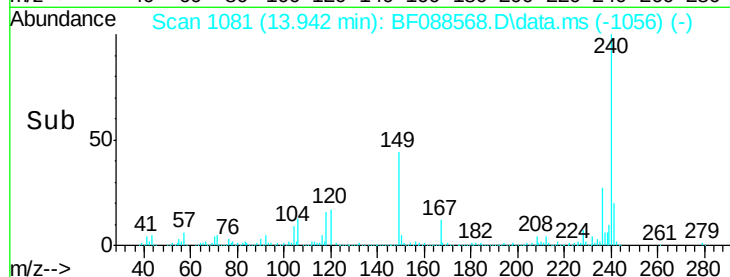
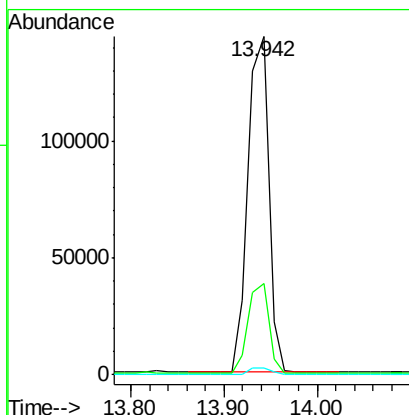
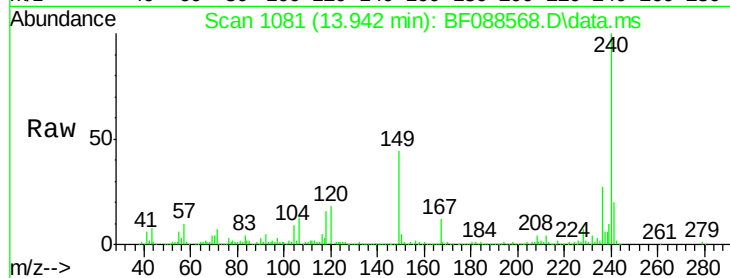
Tot Ion:149 Resp: 224683

Ion Ratio Lower Upper

149 100

167 26.7 20.5 30.7

279 1.9 2.0 3.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.348 min Scan# 1204

Delta R.T. -0.000 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

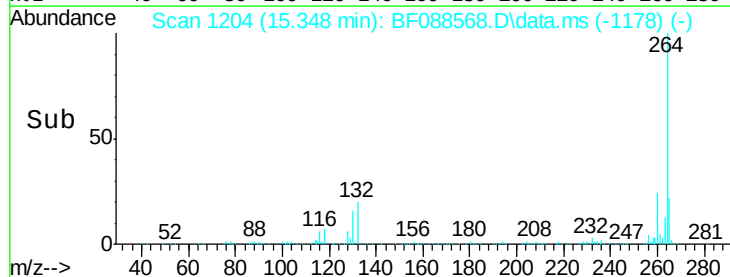
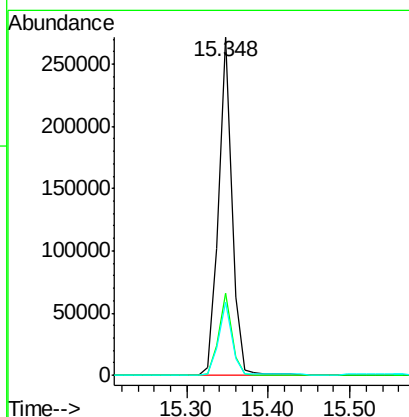
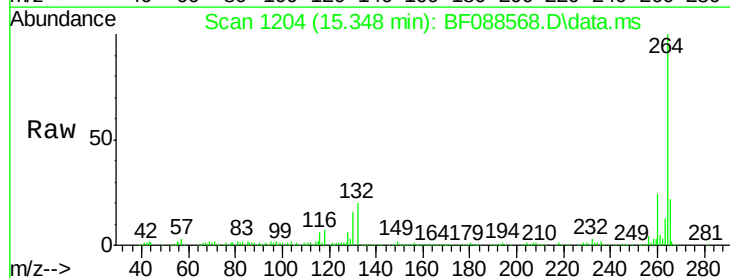
Tgt Ion:264 Resp: 311856

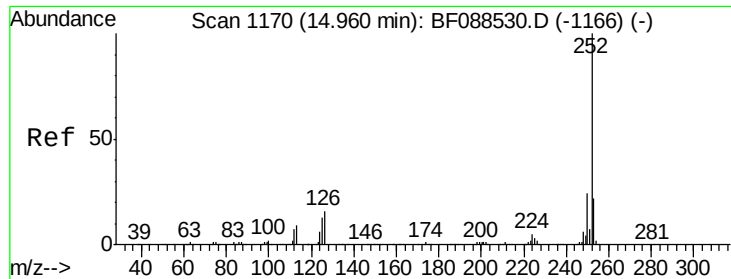
Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.7 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 3.36 ng

RT: 14.948 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

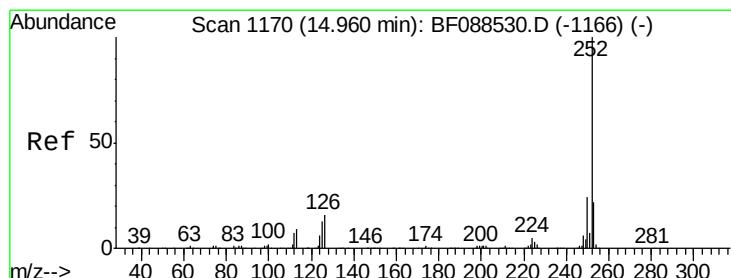
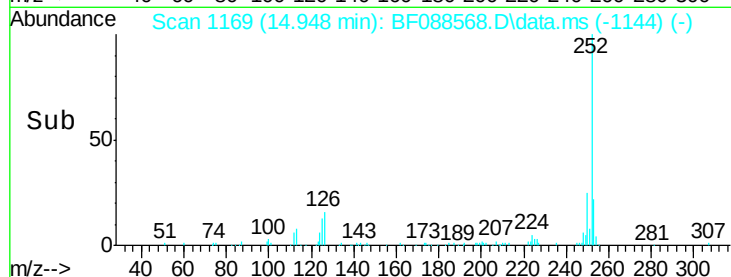
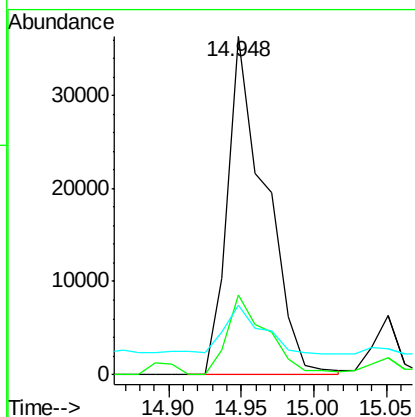
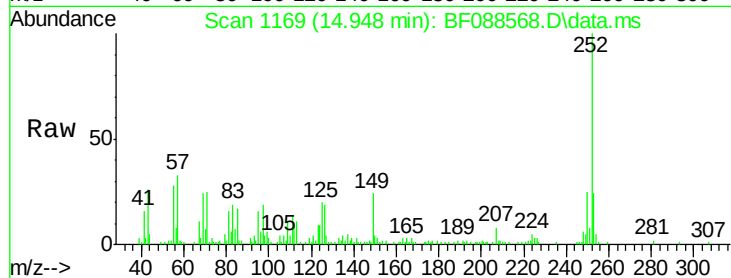
Tot Ion:252 Resp: 65787

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 20.4 7.1 10.7#



#88

Benzo(k)fluoranthene

Concen: 3.86 ng

RT: 14.948 min Scan# 1169

Delta R.T. -0.034 min

Lab File: BF088568.D

Acq: 1 Jul 2016 11:57

Tgt Ion:252 Resp: 65787

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 20.4 11.2 16.8#

