

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090034.D
 Acq On : 8 Sep 2016 19:49
 Operator : UM/SJ
 Sample : H4704-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

Quant Time: Sep 09 04:38:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

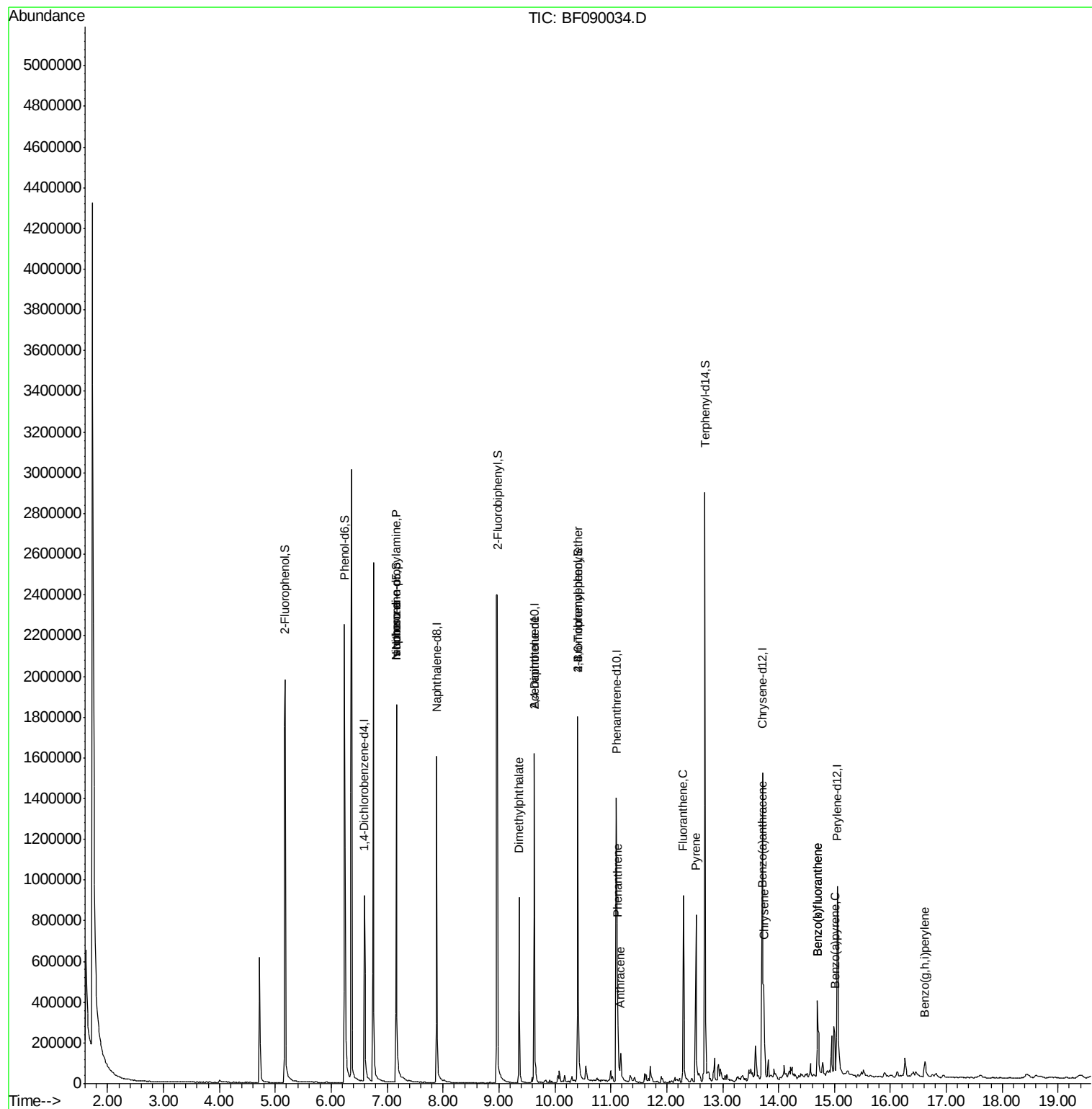
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	200308	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	841285	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	416490	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	730275	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	518156	20.00	ng	-0.01
86) Perylene-d12	15.05	264	465696	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	904505	72.28	ng	0.01
7) Phenol-d6	6.24	99	1139031	74.91	ng	-0.01
23) Nitrobenzene-d5	7.16	82	702485	48.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	242950	59.13	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1382350	54.48	ng	0.00
78) Terphenyl-d14	12.68	244	1138464	54.28	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	90149	9.10	ng	# 81
25) Isophorone	7.16	82	621898	21.08	ng	# 65
49) Dimethylphthalate	9.36	163	458769	15.24	ng	100
56) 2,4-Dinitrotoluene	9.63	165	51811	6.10	ng	# 29
66) 4-Bromophenyl-phenylether	10.41	248	15892	2.16	ng	# 1
70) Phenanthrene	11.12	178	239807	6.59	ng	96
71) Anthracene	11.18	178	78524	2.13	ng	97
74) Fluoranthene	12.30	202	440974	11.57	ng	94
77) Pyrene	12.52	202	394629	10.80	ng	98
80) Benzo(a)anthracene	13.70	228	221258	6.97	ng	98
82) Chrysene	13.74	228	161289	5.44	ng	97
87) Benzo(b)fluoranthene	14.70	252	282487	9.68	ng	# 97
88) Benzo(k)fluoranthene	14.70	252	282487	11.41	ng	98
89) Benzo(a)pyrene	15.01	252	149277	5.97	ng	99
91) Benzo(g,h,i)perylene	16.62	276	64882	3.52	ng	# 93

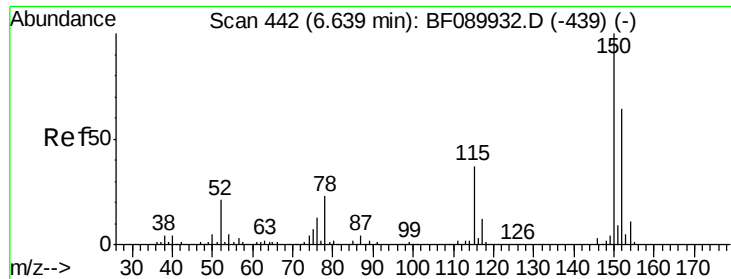
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

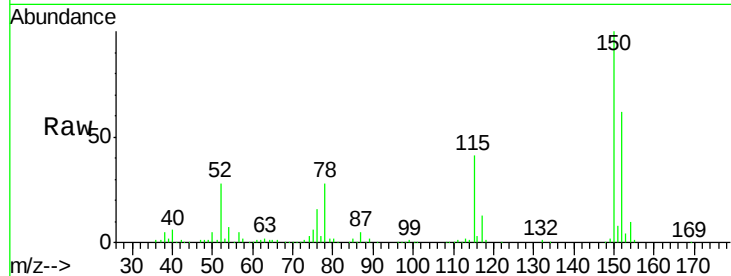
Tgt Ion:152 Resp: 200308

Ion Ratio Lower Upper

152 100

150 161.9 127.4 191.2

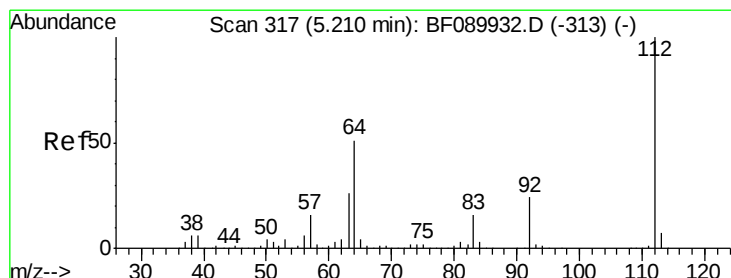
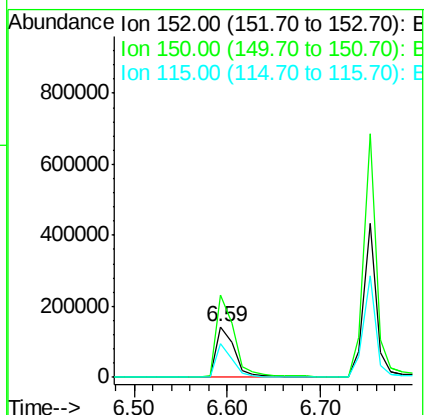
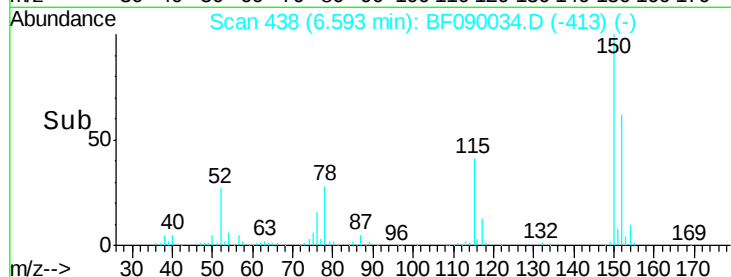
115 66.2 46.3 69.5



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: 72.28 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

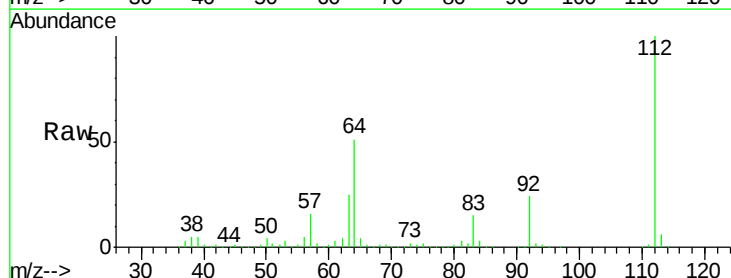
Tgt Ion:112 Resp: 904505

Ion Ratio Lower Upper

112 100

64 50.7 41.1 61.7

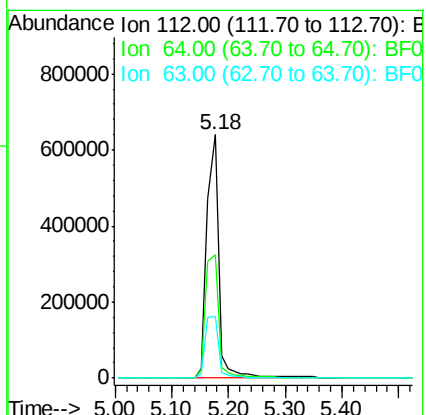
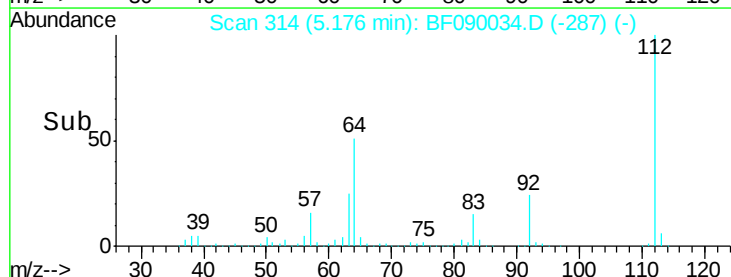
63 25.3 21.2 31.8

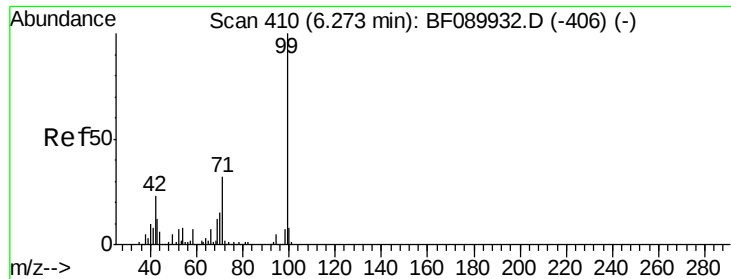


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.91 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

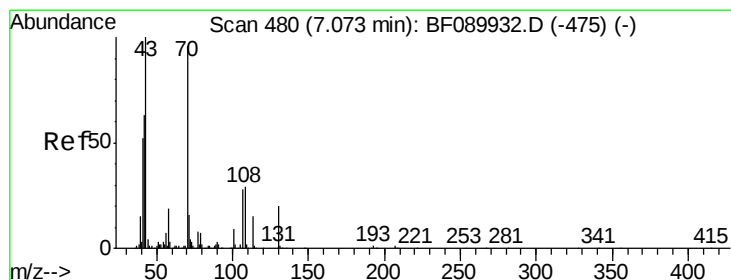
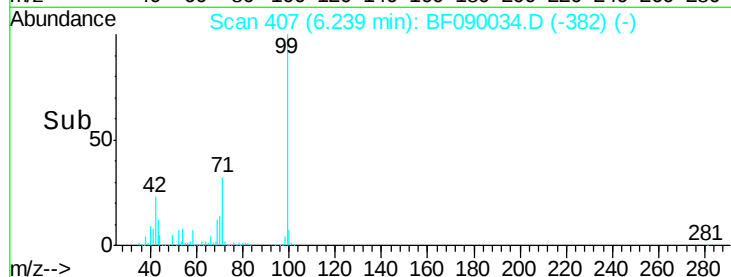
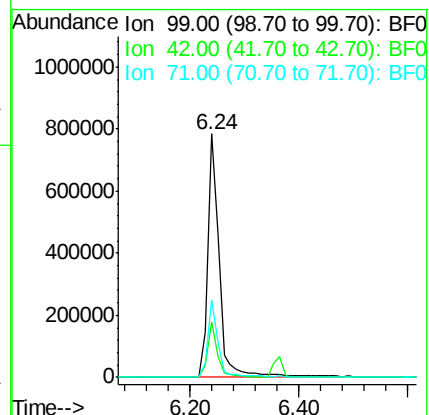
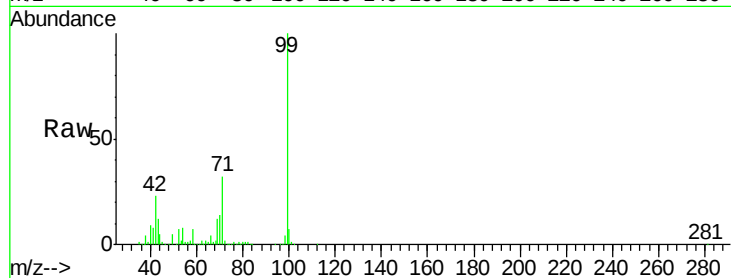
Tgt Ion: 99 Resp: 1139031

Ion Ratio Lower Upper

99 100

42 22.9 18.6 27.8

71 31.9 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 9.10 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion: 70 Resp: 90149

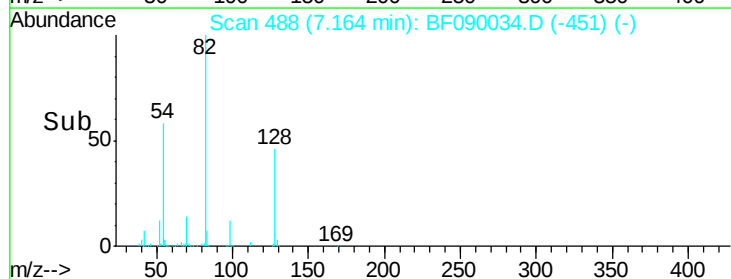
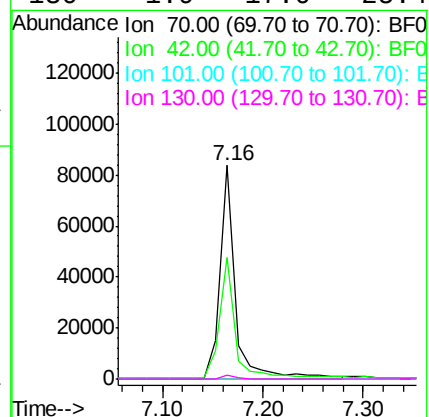
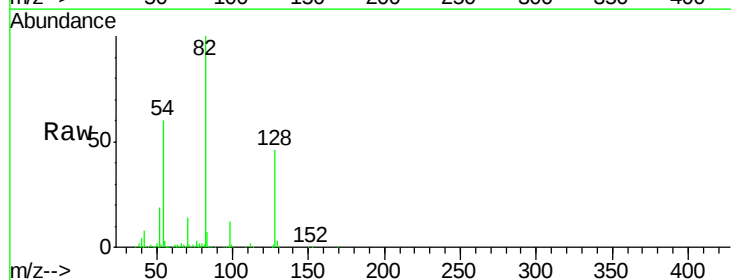
Ion Ratio Lower Upper

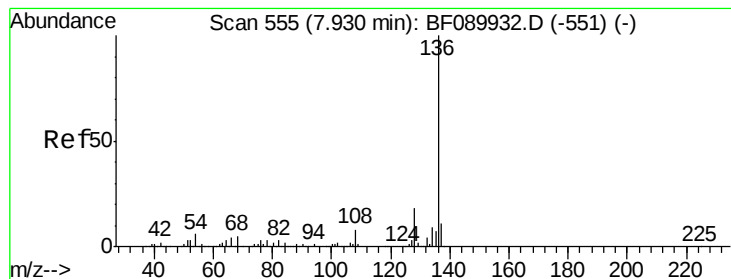
70 100

42 57.1 52.1 78.1

101 0.0 7.4 11.2#

130 1.9 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

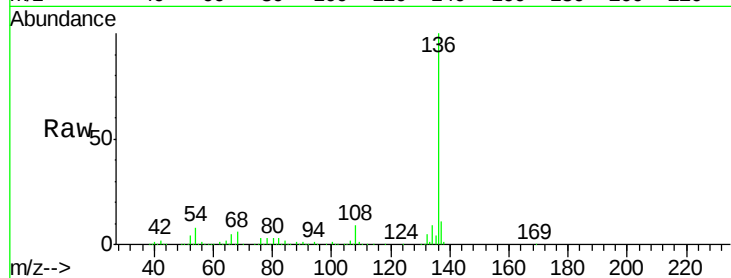
Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

Tgt Ion:	136	Resp:	841285
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.3	12.5
54	8.4	4.8	7.2#
68	5.9	3.7	5.5#



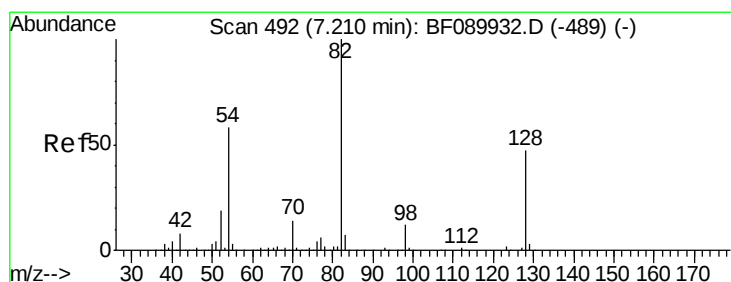
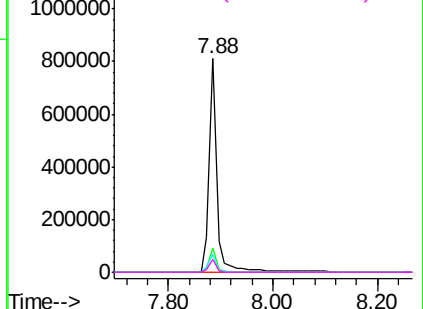
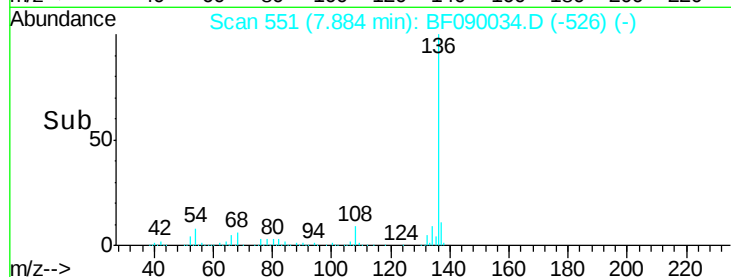
Abundance

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: 48.43 ng

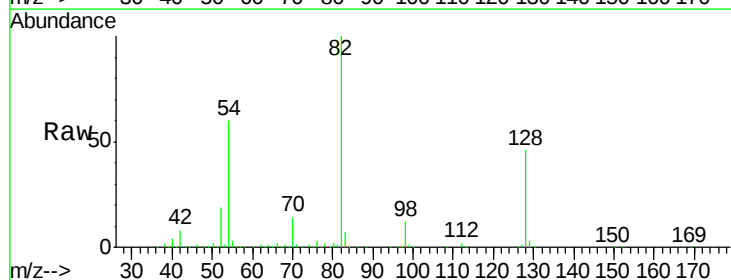
RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion:	82	Resp:	702485
Ion Ratio	Lower	Upper	
82	100		
128	45.7	37.8	56.8
54	60.1	46.9	70.3

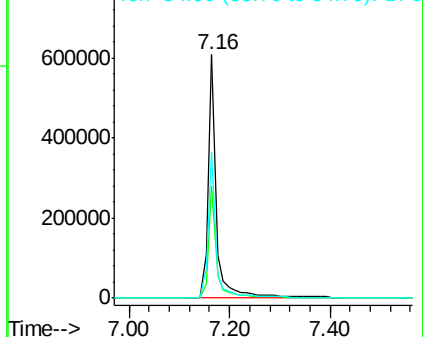
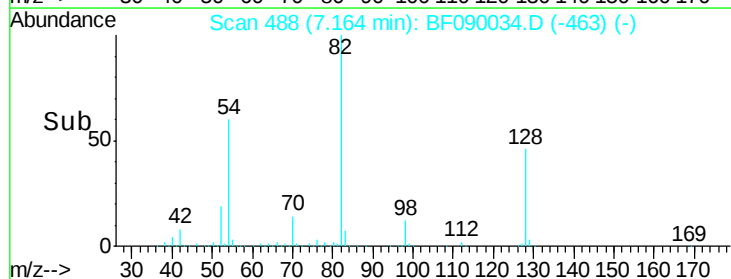


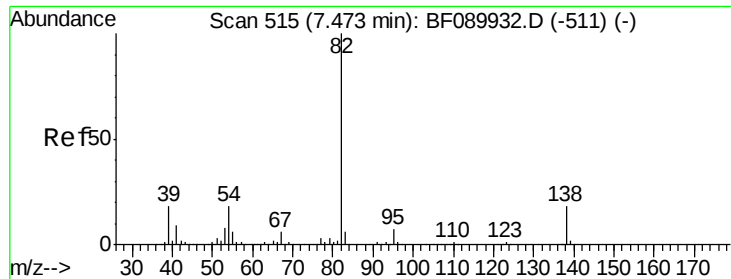
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 21.08 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

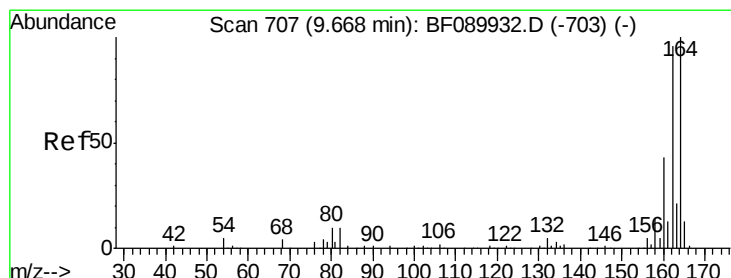
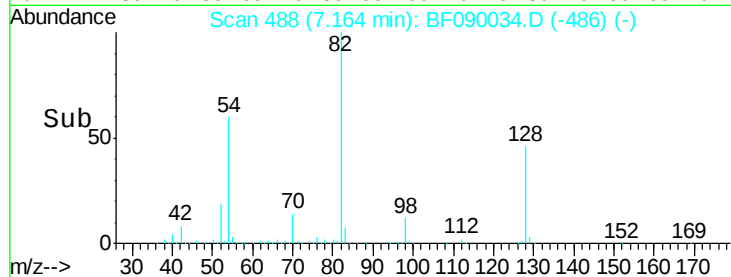
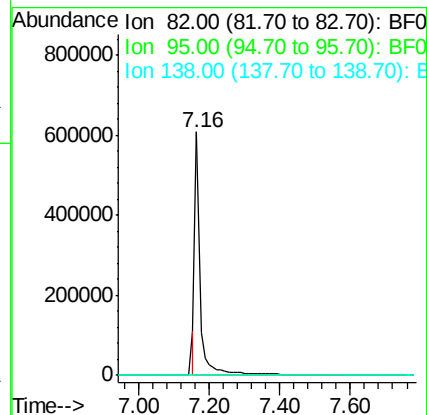
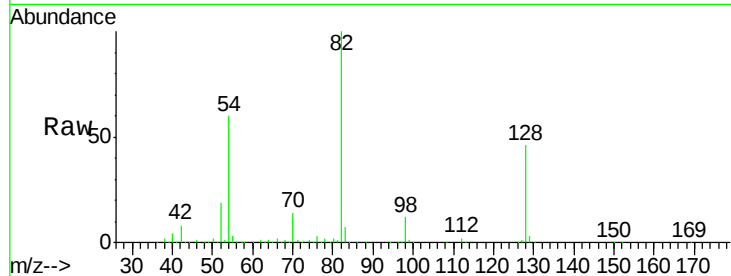
Tgt Ion: 82 Resp: 621898

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

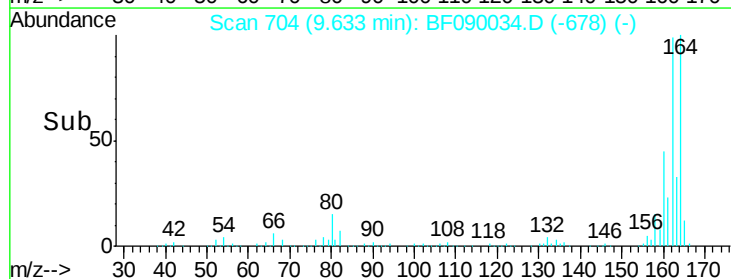
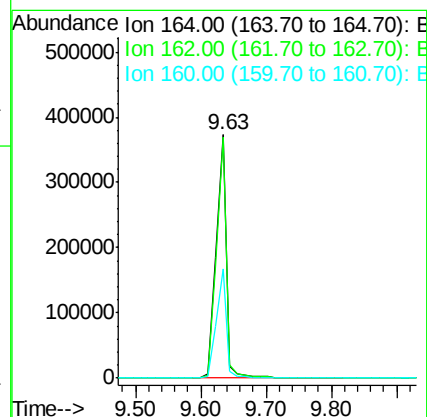
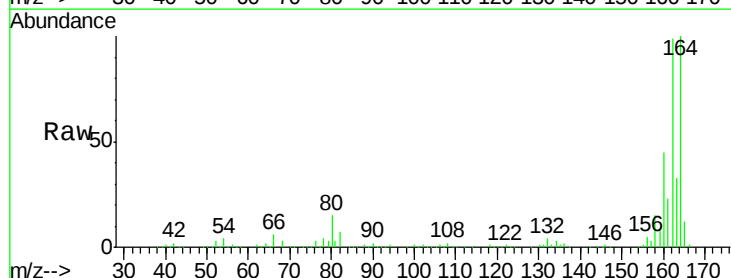
Tgt Ion: 164 Resp: 416490

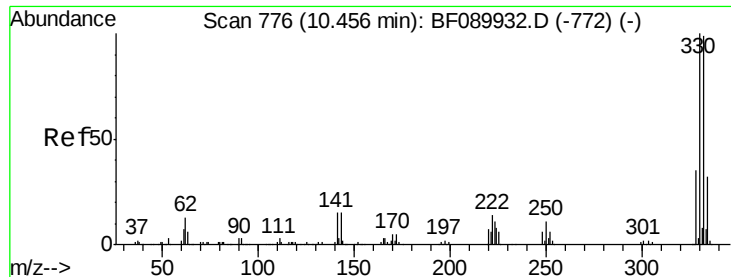
Ion Ratio Lower Upper

164 100

162 99.0 77.1 115.7

160 45.0 35.3 52.9

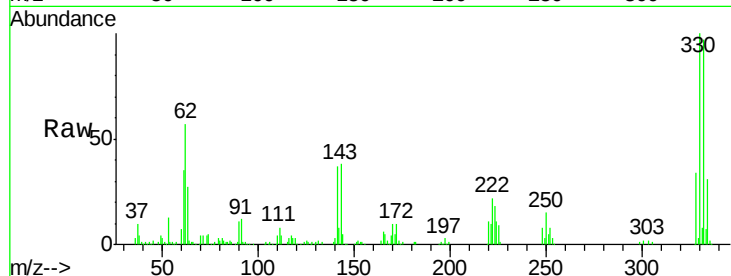




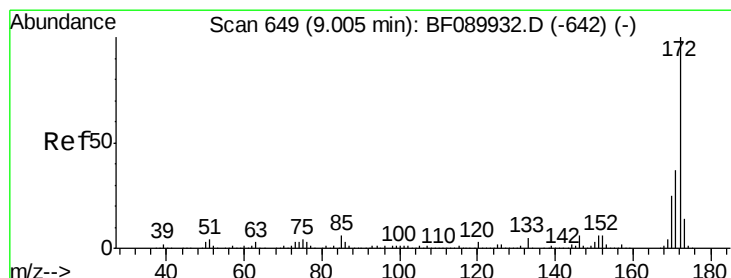
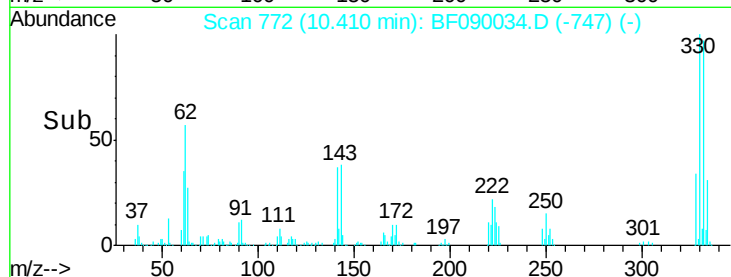
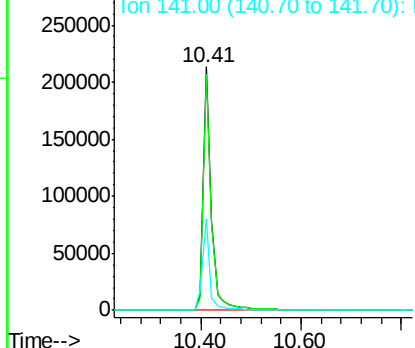
#41
 2,4,6-Tribromophenol
 Concen: 59.13 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

Tgt Ion: 330 Resp: 242950
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.6 117.8
 141 33.4 23.3 34.9

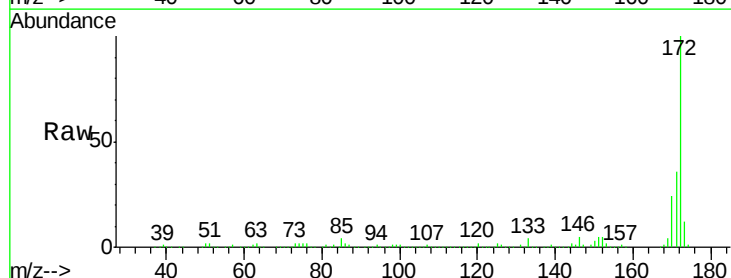


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

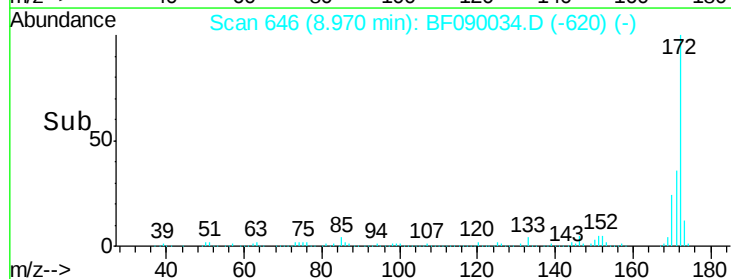
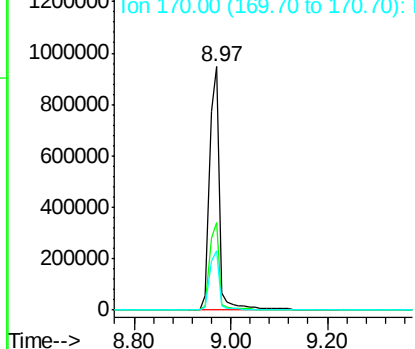


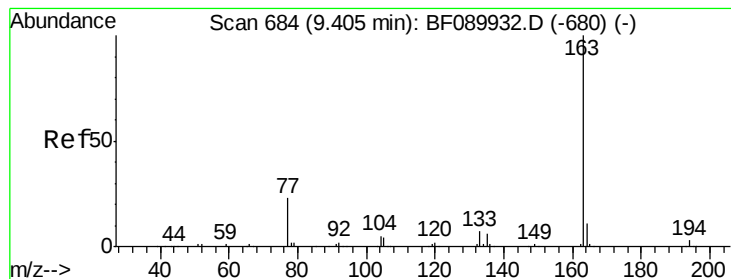
#44
 2-Fluorobiphenyl
 Concen: 54.48 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Tgt Ion: 172 Resp: 1382350
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.2
 170 24.2 20.1 30.1



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





#49

Dimethylphthalate

Concen: 15.24 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

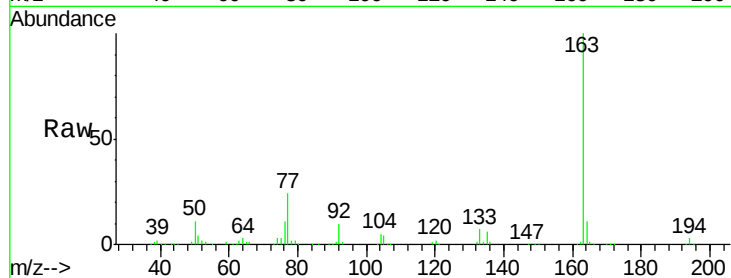
Tgt Ion:163 Resp: 458769

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

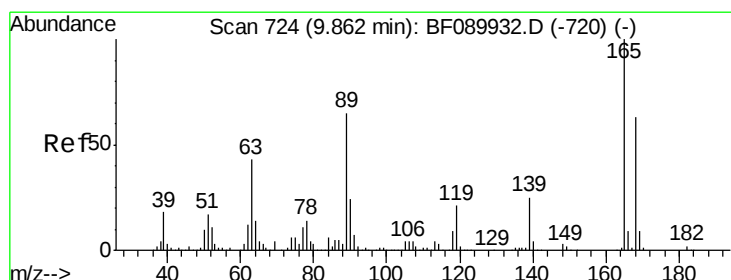
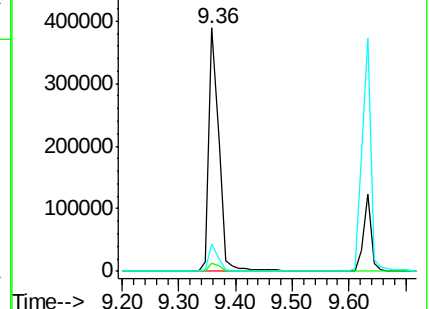
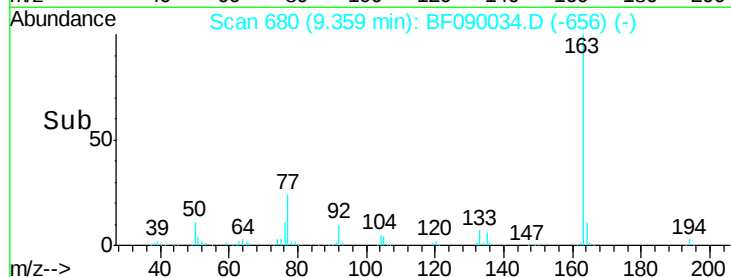
164 11.1 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.10 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.19 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Tgt Ion:165 Resp: 51811

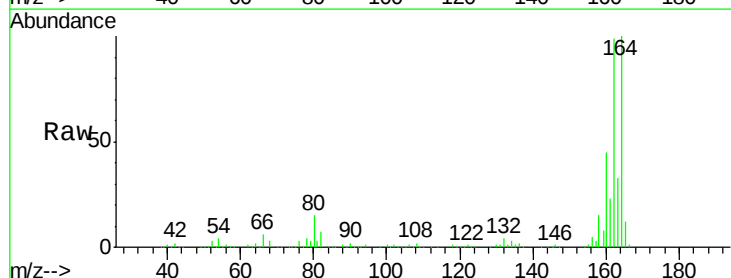
Ion Ratio Lower Upper

165 100

63 0.9 32.5 48.7#

89 1.7 48.3 72.5#

182 0.0 1.7 2.5#

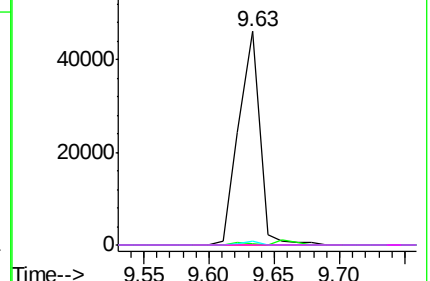
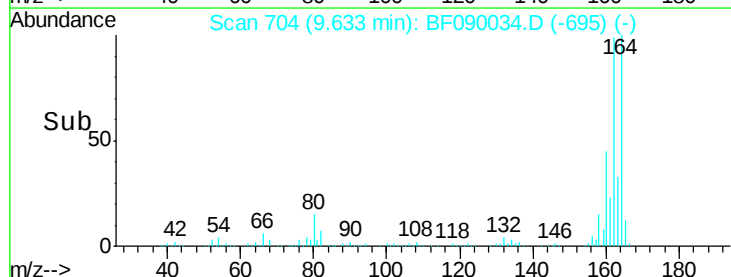


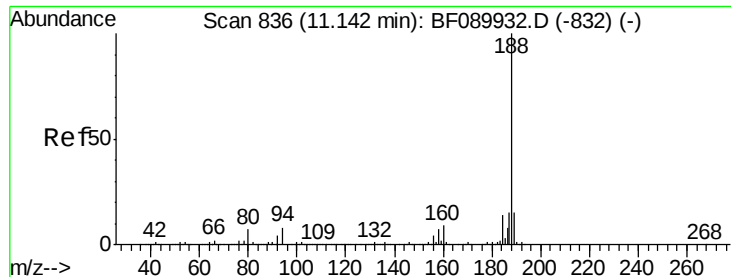
Abundance Ion 165.00 (164.70 to 165.70): E

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

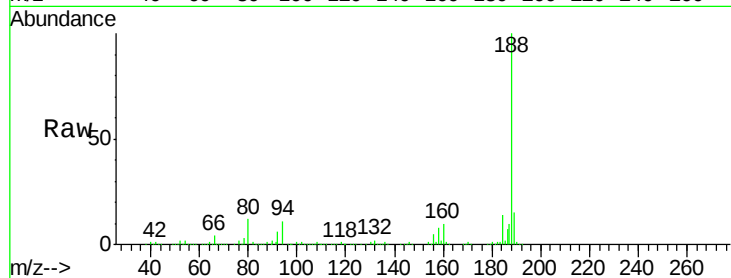




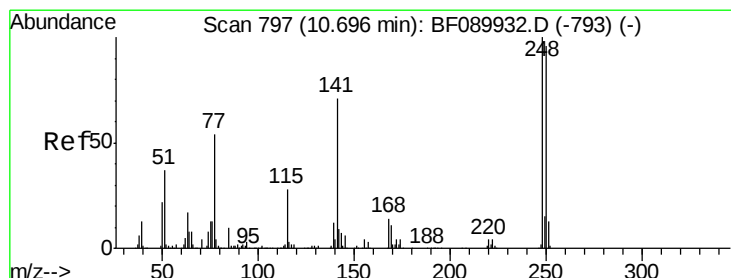
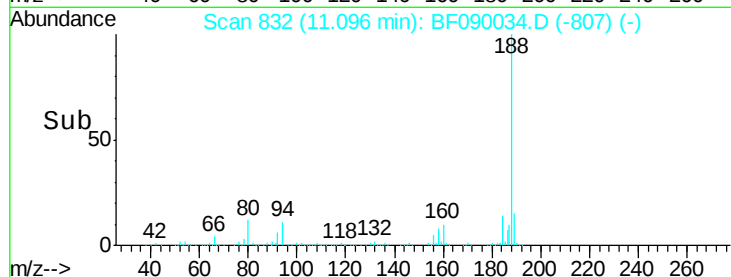
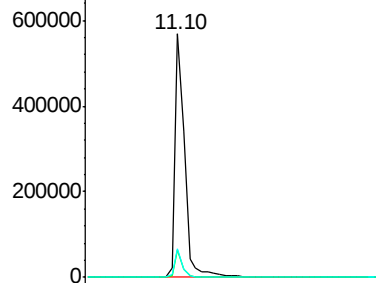
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

Tgt Ion:188 Resp: 730275
Ion Ratio Lower Upper
188 100
94 11.4 5.9 8.9#
80 11.6 5.8 8.8#

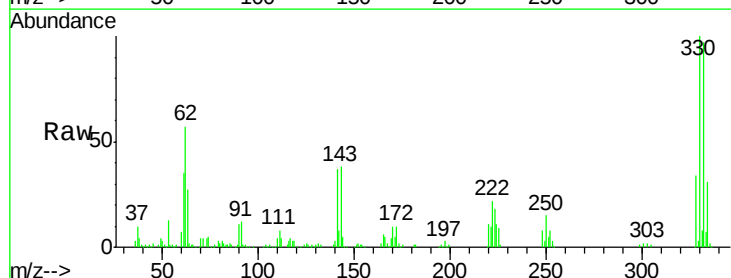


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

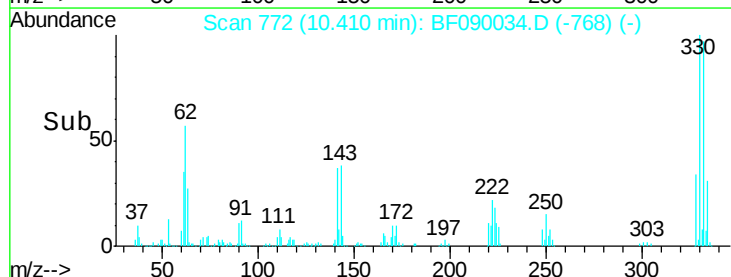
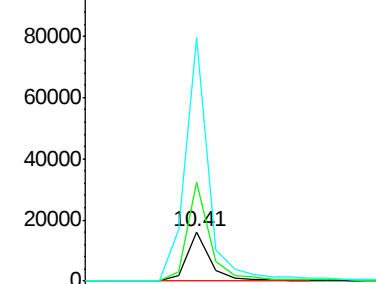


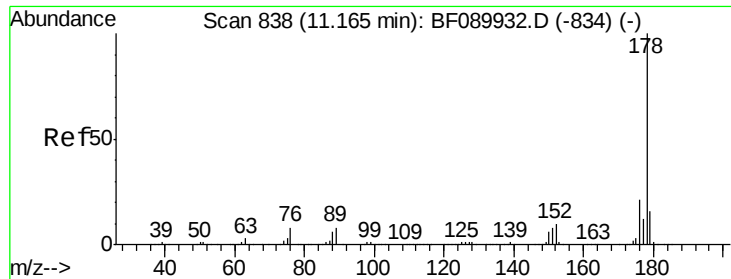
#66
4-Bromophenyl-phenylether
Concen: 2.16 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.25 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion:248 Resp: 15892
Ion Ratio Lower Upper
248 100
250 200.0 77.3 115.9#
141 494.4 55.8 83.8#



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

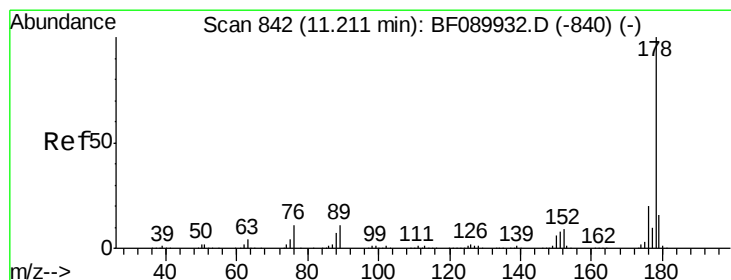
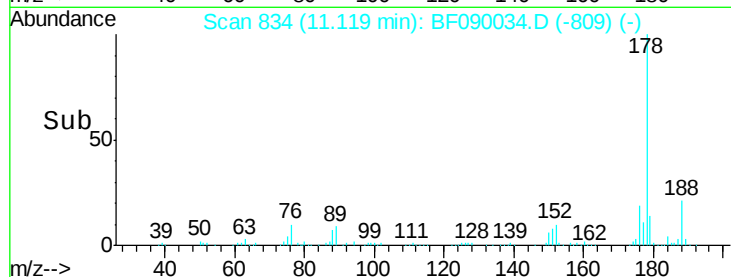
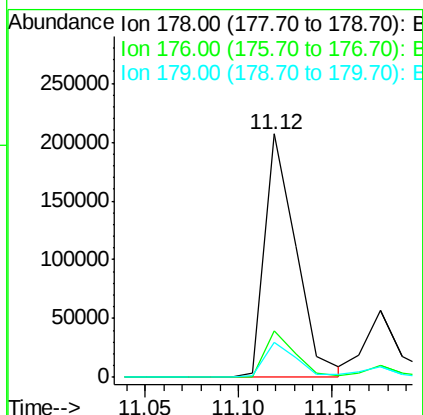
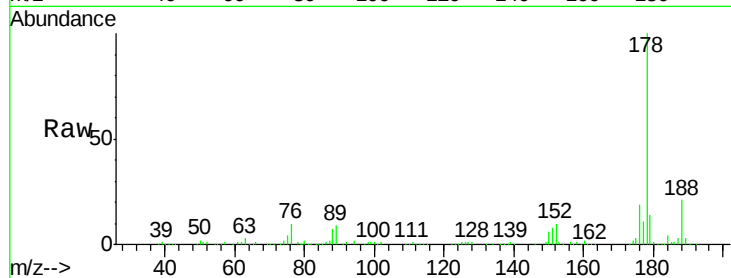




#70
Phenanthrene
Concen: 6.59 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

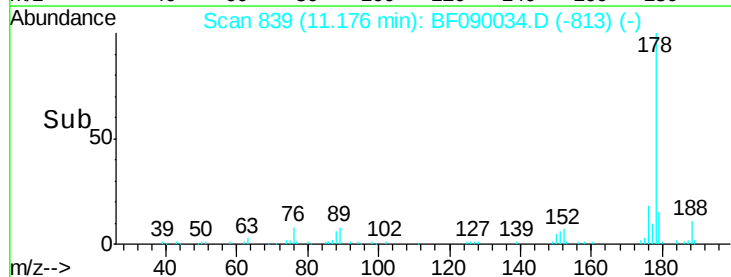
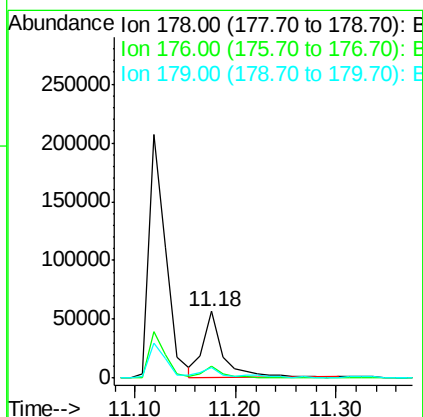
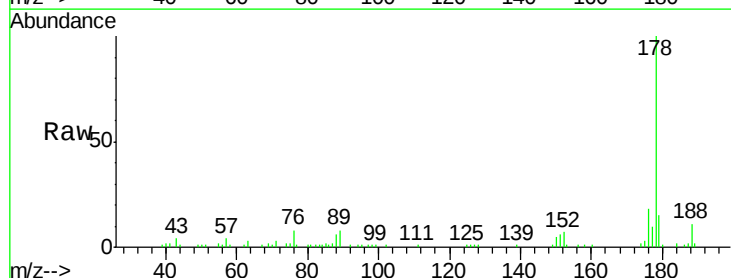
Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

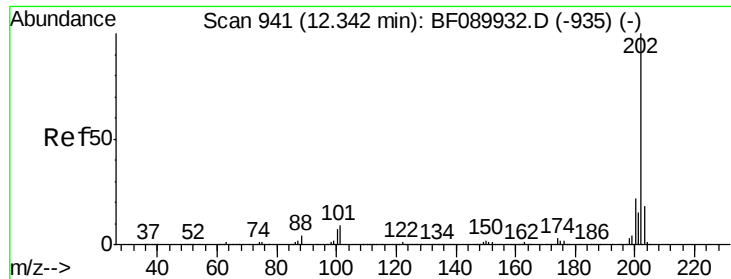
Tgt Ion:178 Resp: 239807
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 14.4 12.8 19.2



#71
Anthracene
Concen: 2.13 ng
RT: 11.18 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion:178 Resp: 78524
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.3 13.0 19.4





#74

Fluoranthene

Concen: 11.57 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

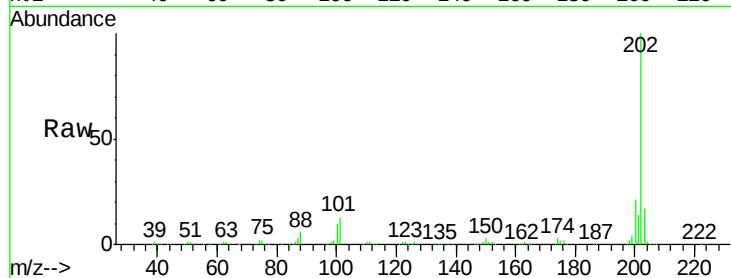
Tgt Ion:202 Resp: 440974

Ion Ratio Lower Upper

202 100

101 13.4 0.0 28.5

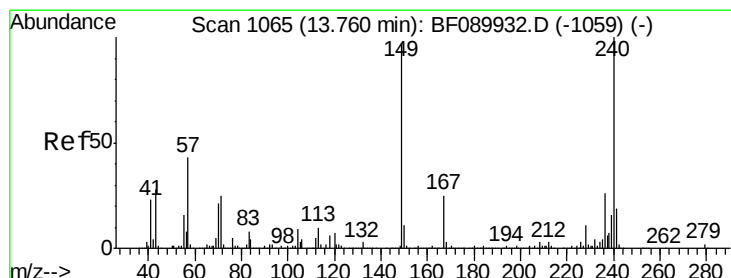
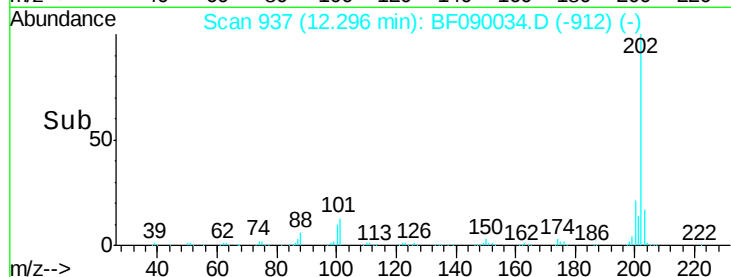
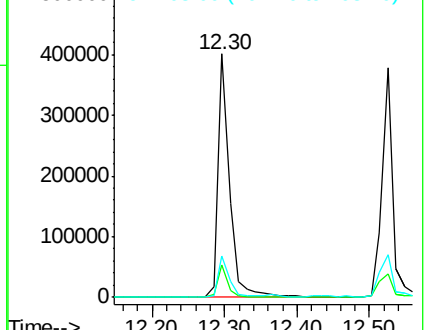
203 17.2 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

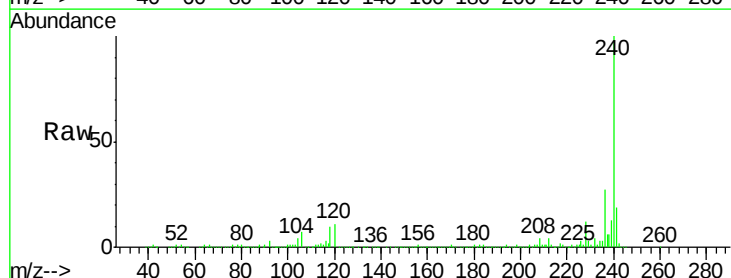
Tgt Ion:240 Resp: 518156

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

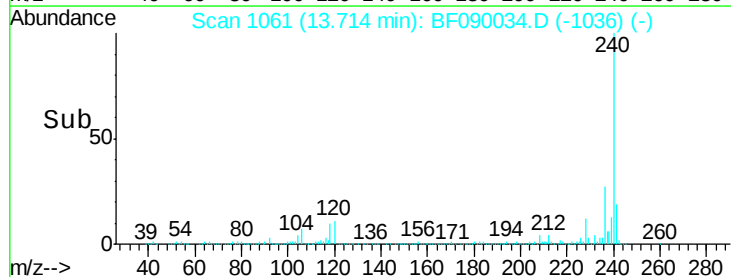
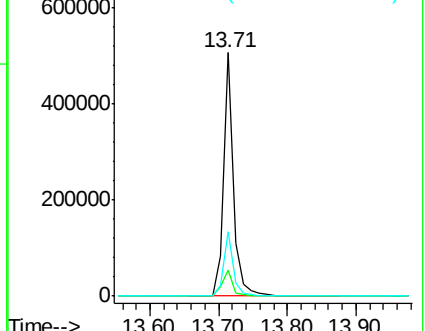
236 26.5 21.3 31.9

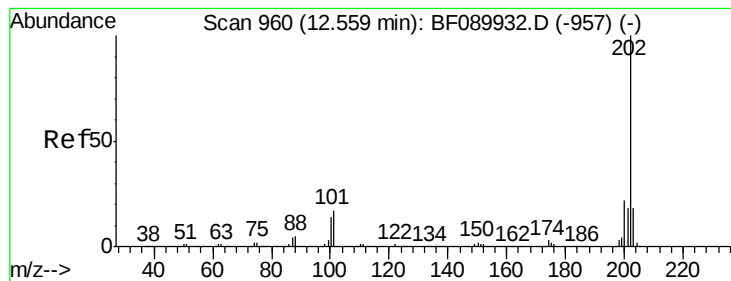


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.80 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

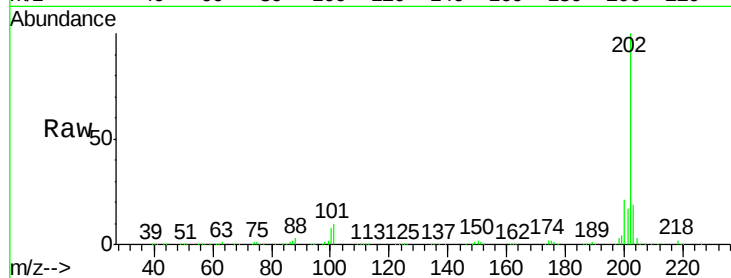
Tgt Ion: 202 Resp: 394629

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

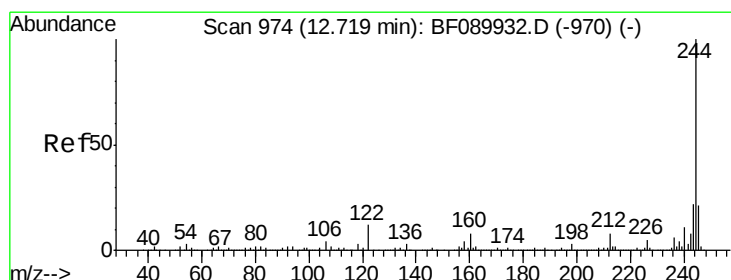
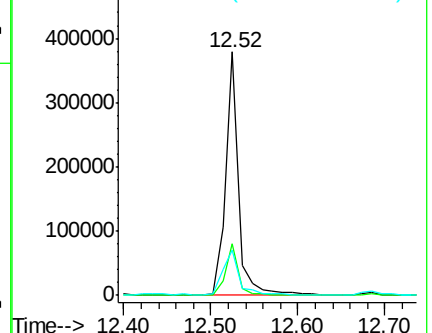
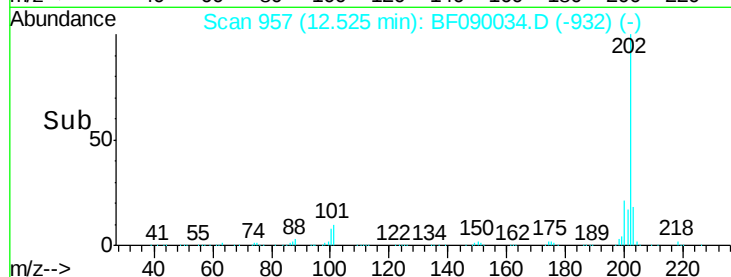
203 18.6 14.6 21.8



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: 54.28 ng

RT: 12.68 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

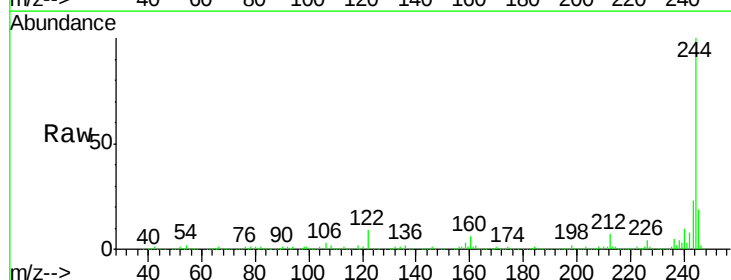
Tgt Ion: 244 Resp: 1138464

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

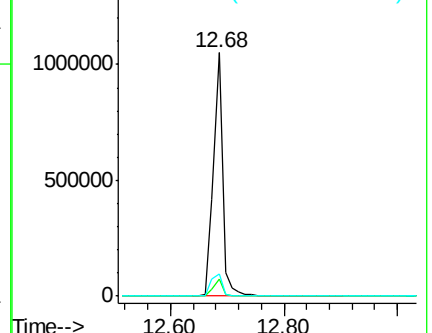
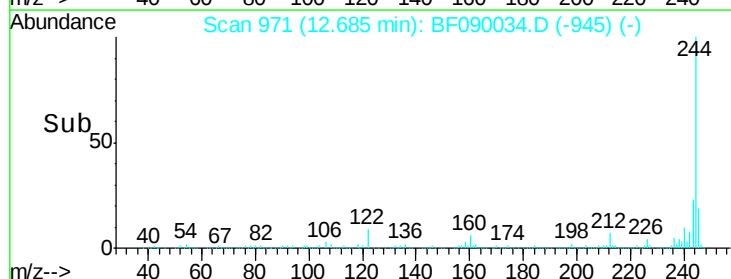
122 9.0 9.6 14.4#

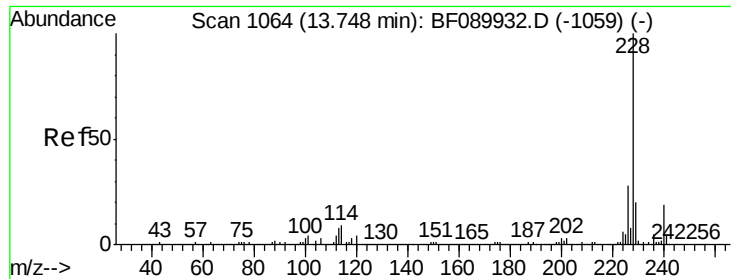


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

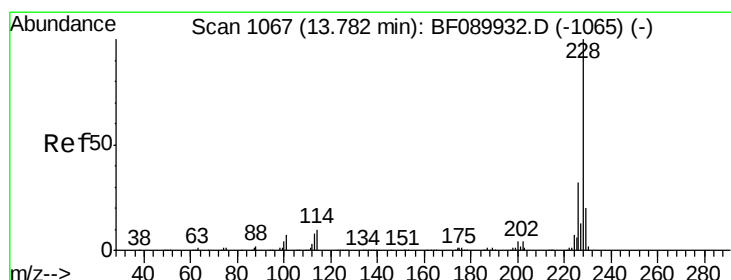
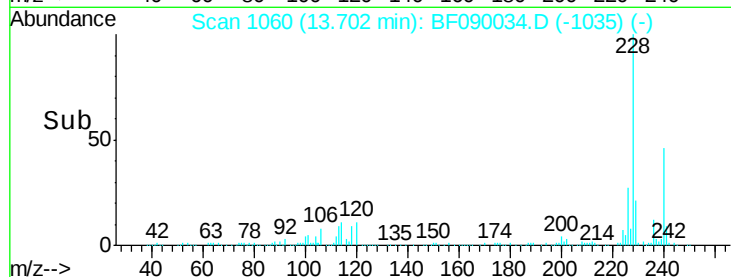
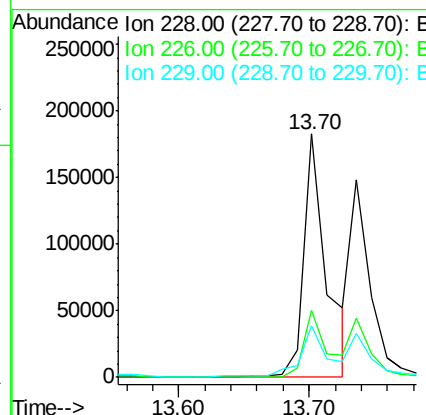
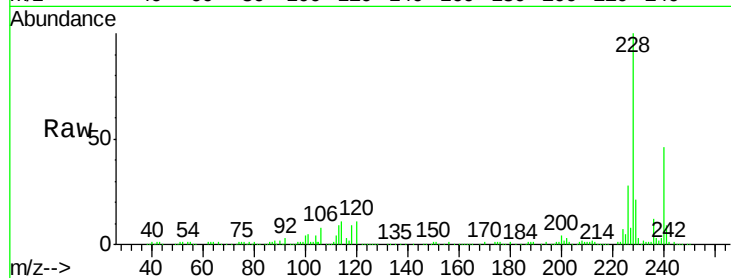




#80
Benzo(a)anthracene
Concen: 6.97 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

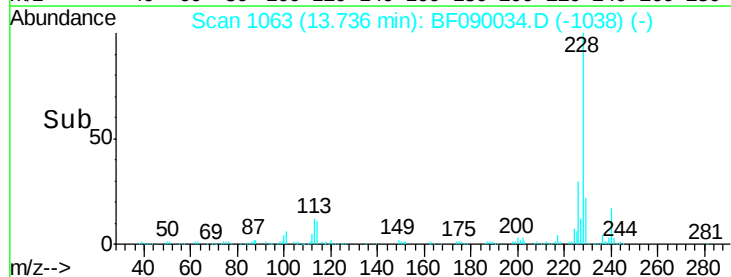
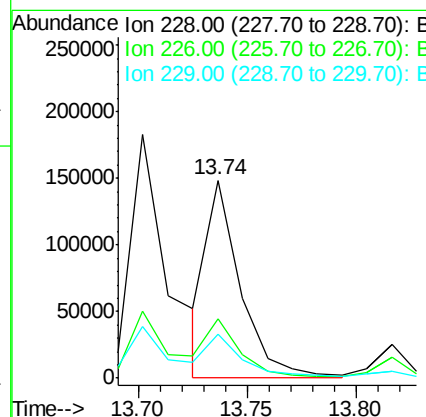
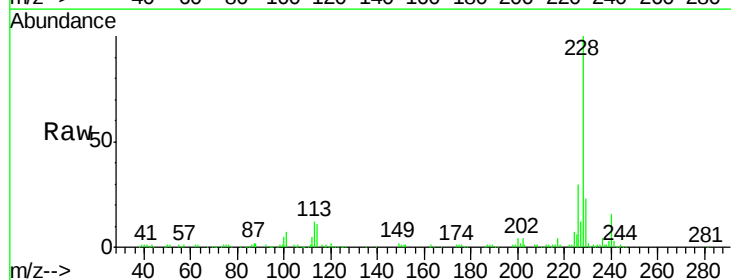
Instrument :
BNA_F
ClientSampleId :
SB-5-8.0-9.0

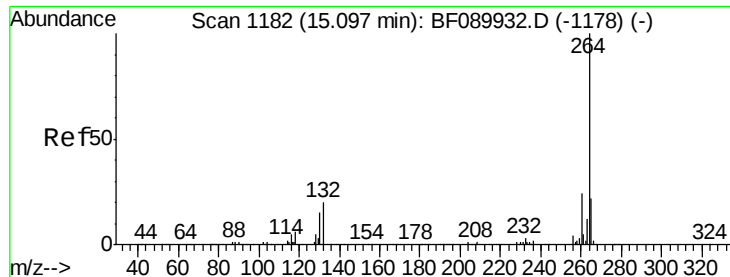
Tgt Ion: 228 Resp: 221258
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.2
229 21.3 15.8 23.6



#82
Chrysene
Concen: 5.44 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF090034.D
Acq: 8 Sep 2016 19:49

Tgt Ion: 228 Resp: 161289
Ion Ratio Lower Upper
228 100
226 30.2 25.2 37.8
229 22.5 16.2 24.2

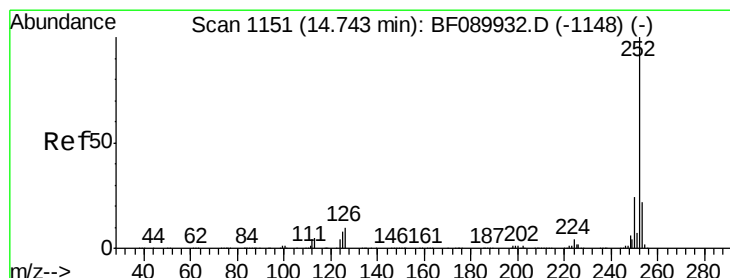
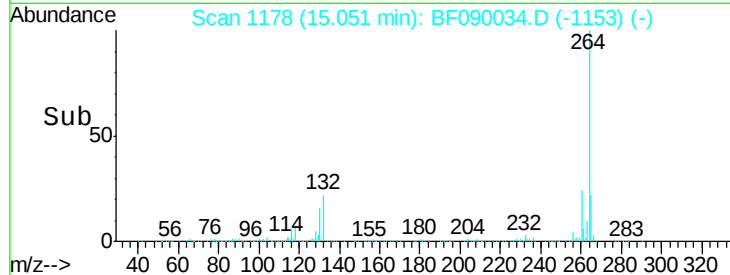
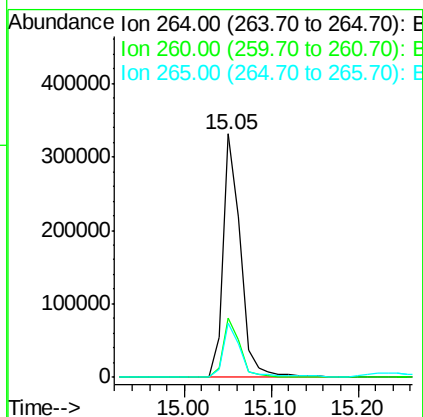
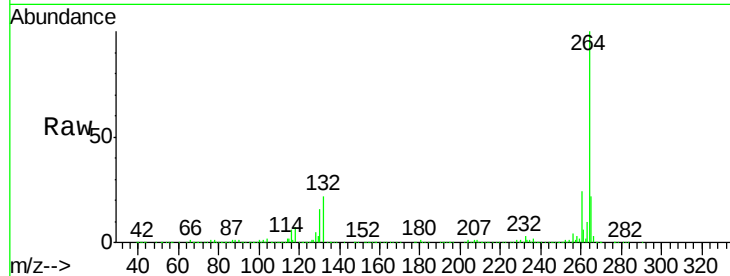




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

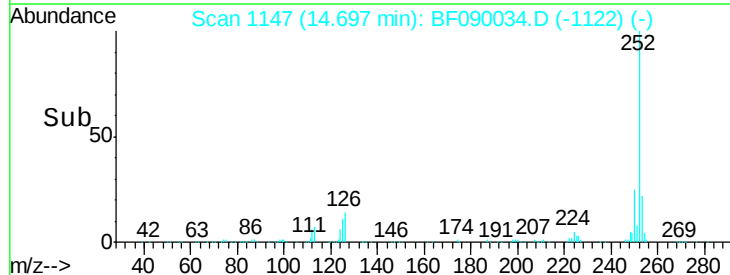
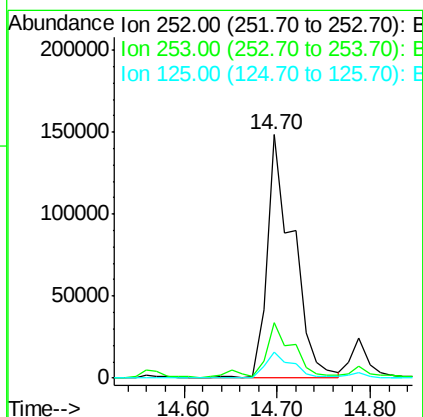
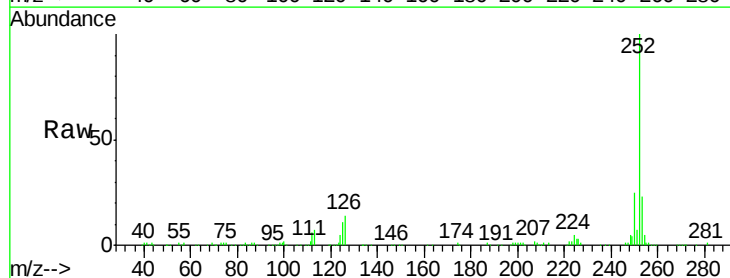
Instrument :
 BNA_F
 ClientSampleId :
 SB-5-8.0-9.0

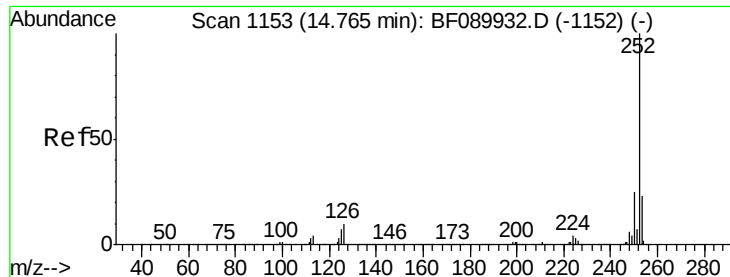
Tgt Ion: 264 Resp: 465696
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.0
 265 22.3 17.4 26.2



#87
 Benzo(b)fluoranthene
 Concen: 9.68 ng
 RT: 14.70 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF090034.D
 Acq: 8 Sep 2016 19:49

Tgt Ion: 252 Resp: 282487
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.0 27.0
 125 10.6 5.7 8.5#





#88

Benzo(k)fluoranthene

Concen: 11.41 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.03 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0

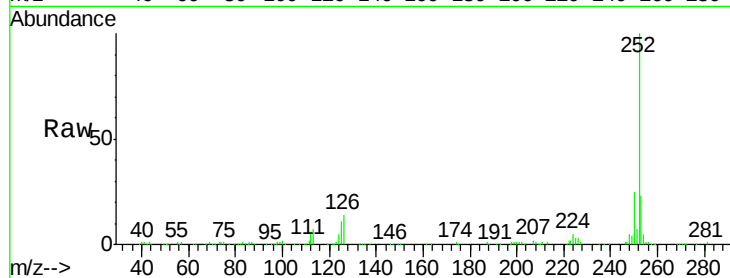
Tgt Ion:252 Resp: 282487

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

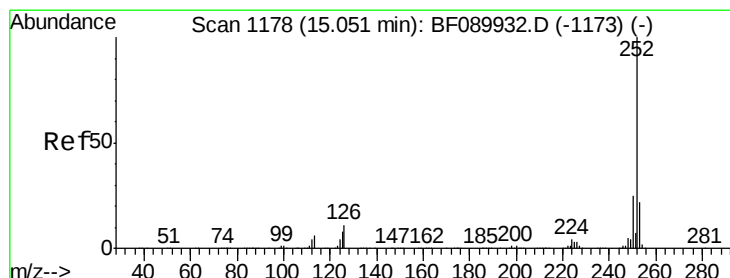
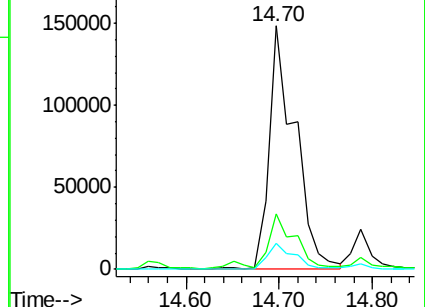
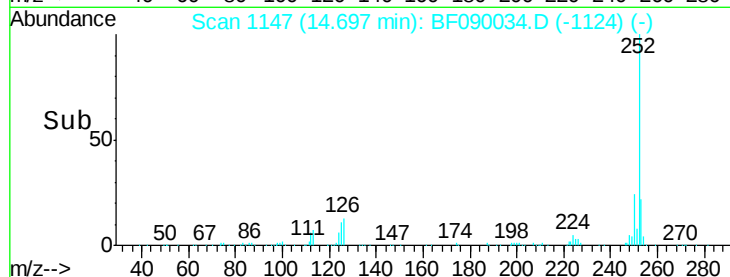
125 10.6 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.97 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF090034.D

Acq: 8 Sep 2016 19:49

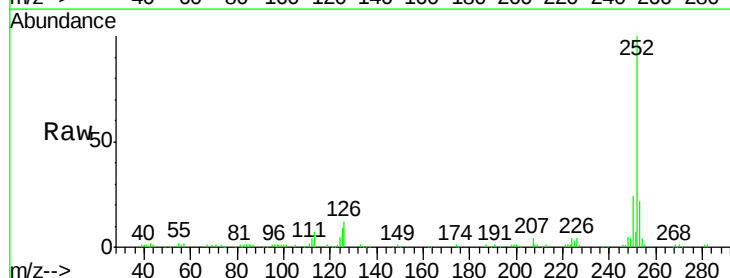
Tgt Ion:252 Resp: 149277

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

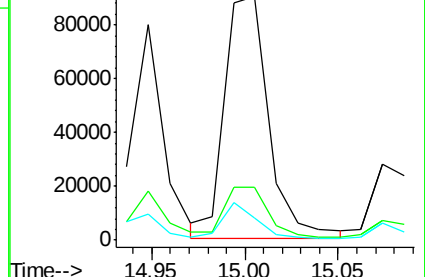
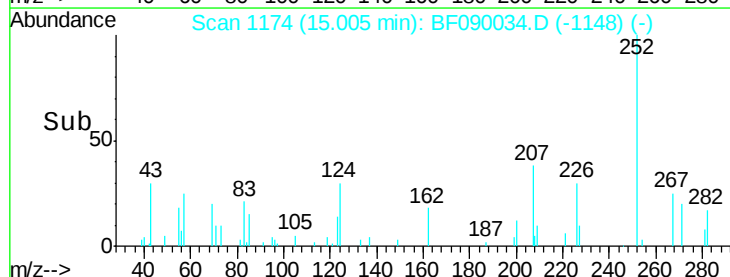
125 8.9 6.3 9.5

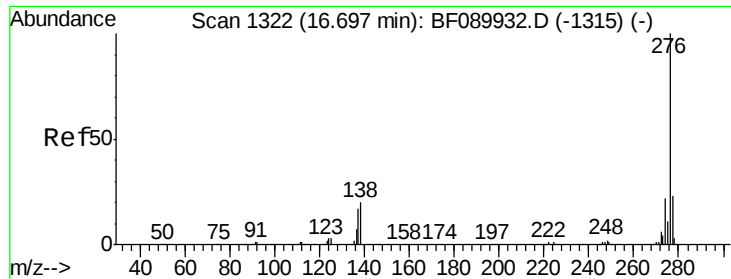


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.52 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF090034.D

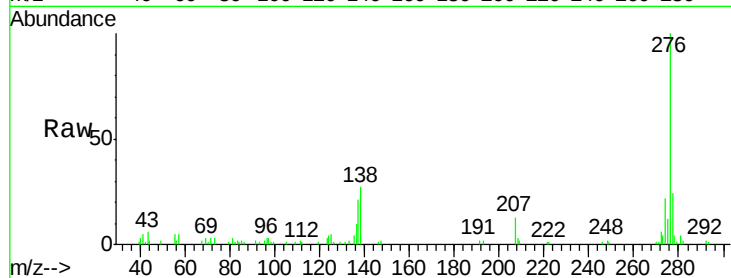
Acq: 8 Sep 2016 19:49

Instrument :

BNA_F

ClientSampleId :

SB-5-8.0-9.0



Tgt Ion:	276	Resp:	64882
Ion Ratio		Lower	Upper
276	100		
277	23.9	19.0	28.4
138	27.1	16.4	24.6

