

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
 Data File : BF090970.D
 Acq On : 2 Nov 2016 00:05
 Operator : UM/SJ
 Sample : H5489-12 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0

Quant Time: Nov 01 23:58:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

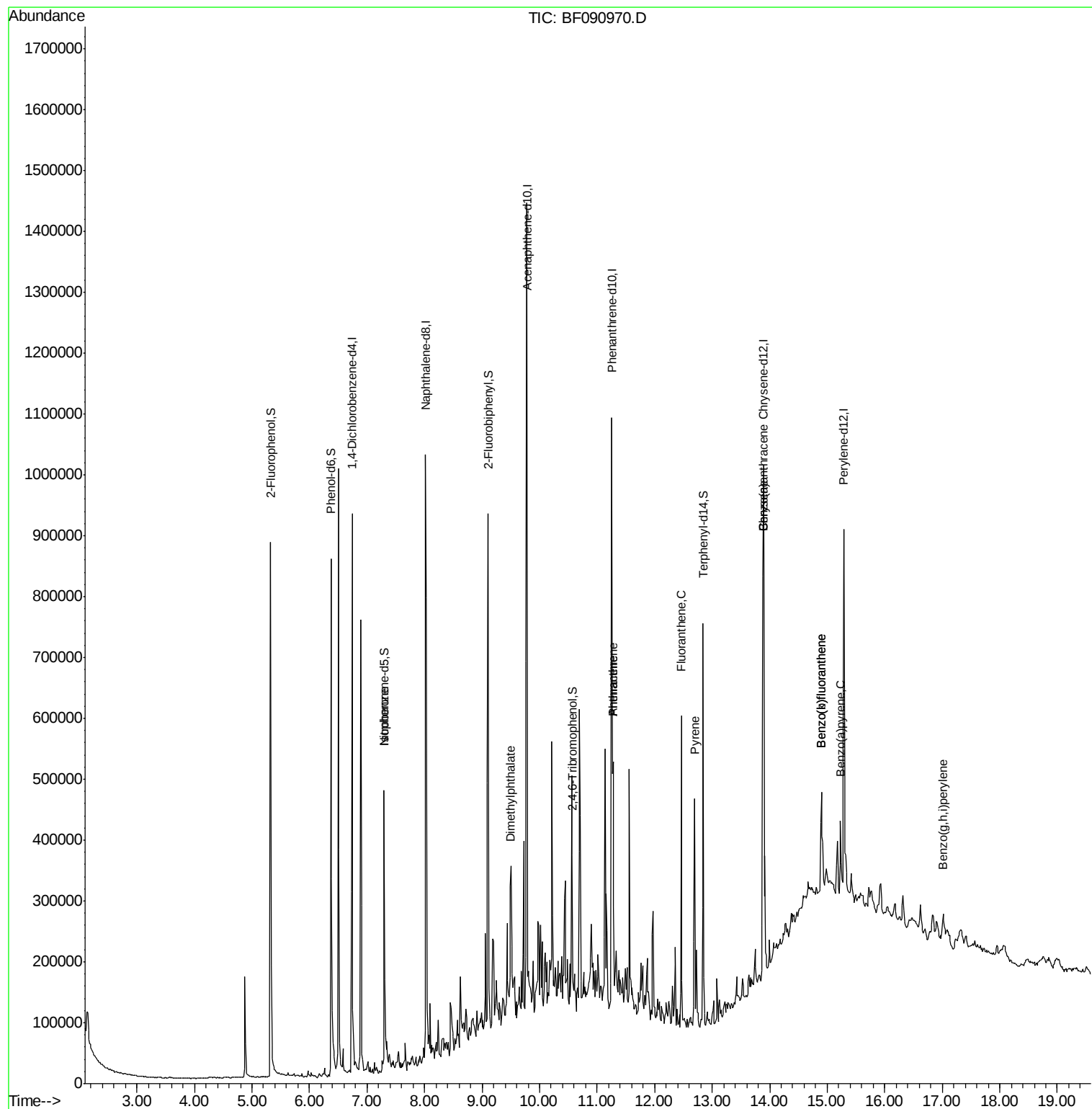
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	152792	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	601358	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	294205	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	368785	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	307615	20.00	ng	-0.01
86) Perylene-d12	15.29	264	235104	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	261888	29.97	ng	-0.01
7) Phenol-d6	6.37	99	359811	30.52	ng	-0.02
23) Nitrobenzene-d5	7.30	82	207481	22.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	38162	12.62	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	311496	18.59	ng	-0.01
78) Terphenyl-d14	12.84	244	193305	15.83	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.30	82	186747	10.02	ng	# 59
49) Dimethylphthalate	9.49	163	89879	4.57	ng	# 96
70) Phenanthrene	11.28	178	145670	7.76	ng	96
71) Anthracene	11.28	178	145670	7.37	ng	97
74) Fluoranthene	12.46	202	180467	8.77	ng	95
77) Pyrene	12.69	202	146225	7.51	ng	97
80) Benzo(a)anthracene	13.88	228	95287	5.84	ng	96
82) Chrysene	13.88	228	95287	5.77	ng	97
87) Benzo(b)fluoranthene	14.90	252	107170	6.78	ng	94
88) Benzo(k)fluoranthene	14.90	252	107170	8.58	ng	94
89) Benzo(a)pyrene	15.23	252	49982	3.68	ng	94
91) Benzo(g,h,i)perylene	17.01	276	24918	2.30	ng	# 87

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

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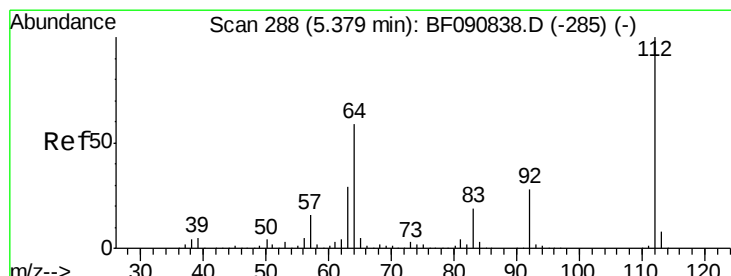
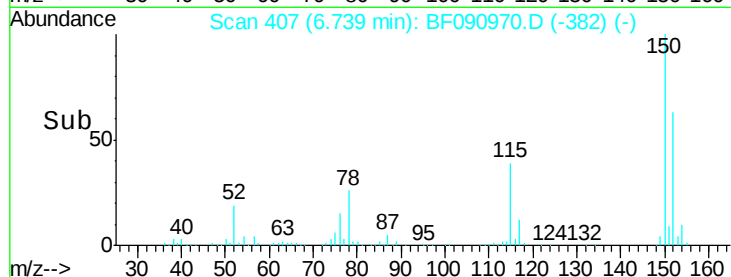
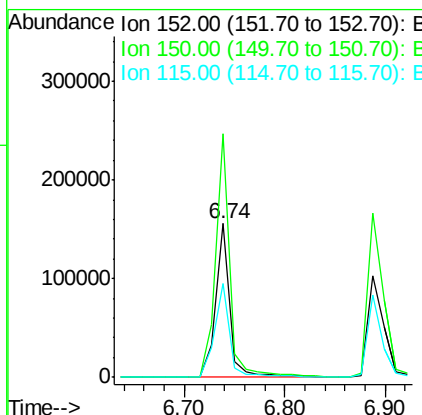
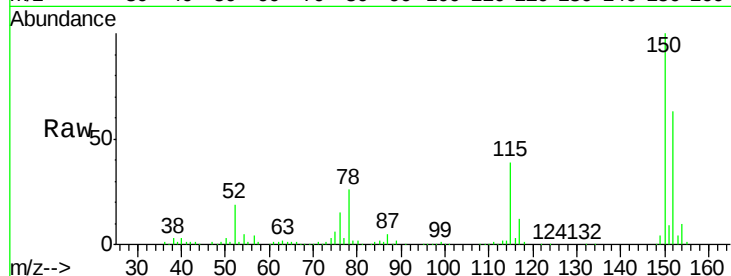




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

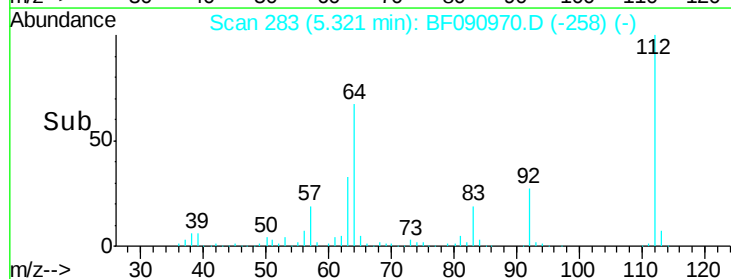
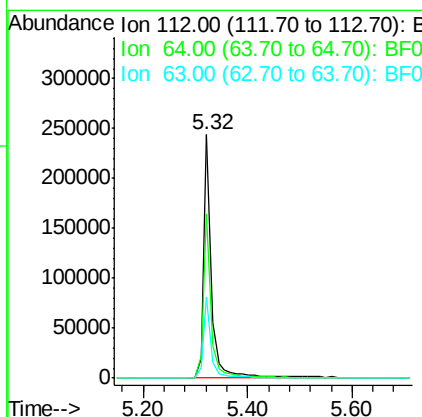
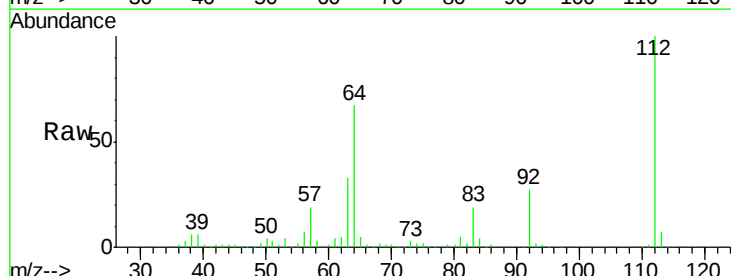
Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0

Tgt Ion:152 Resp: 152792
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.7 187.1
 115 61.3 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 29.97 ng
 RT: 5.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

Tgt Ion:112 Resp: 261888
 Ion Ratio Lower Upper
 112 100
 64 67.4 39.7 59.5#
 63 33.3 17.4 26.0#





#7

Phenol-d6

Concen: 30.52 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

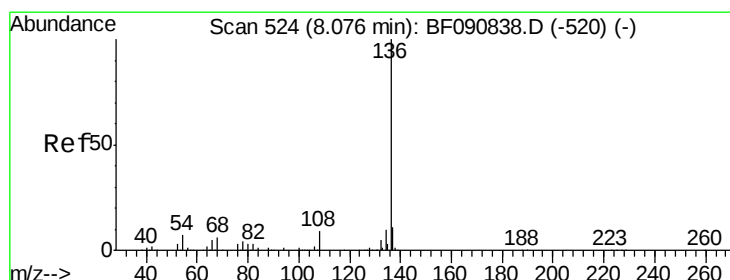
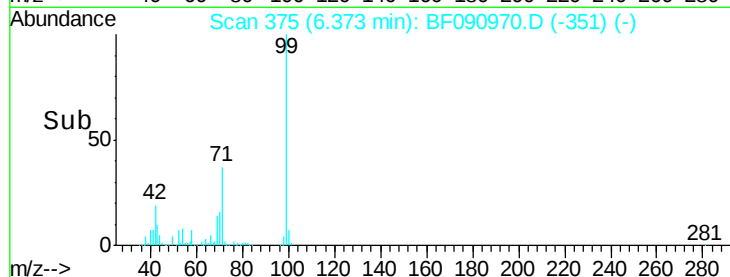
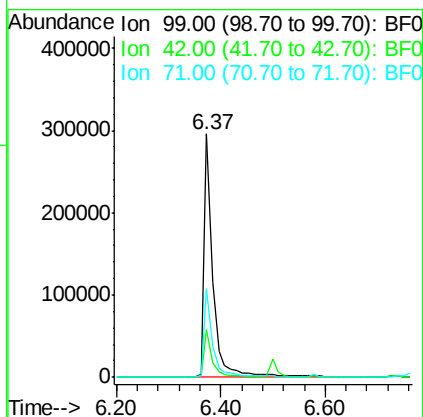
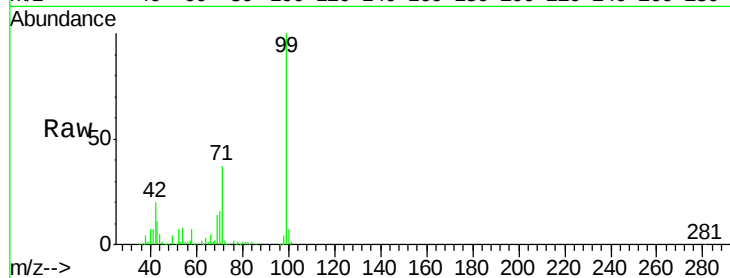
Tgt Ion: 99 Resp: 359811

Ion Ratio Lower Upper

99 100

42 19.6 13.7 20.5

71 36.6 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Tgt Ion: 136 Resp: 601358

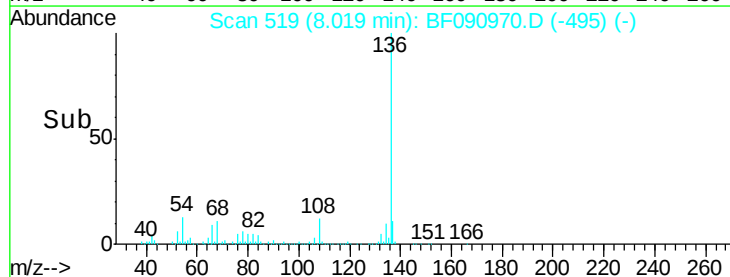
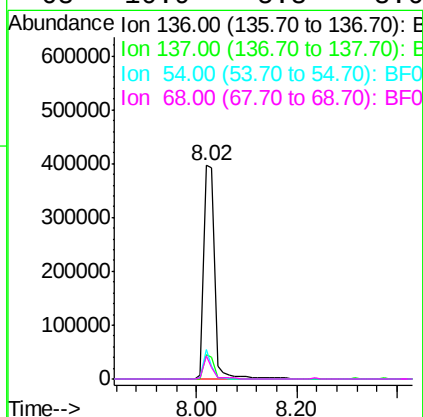
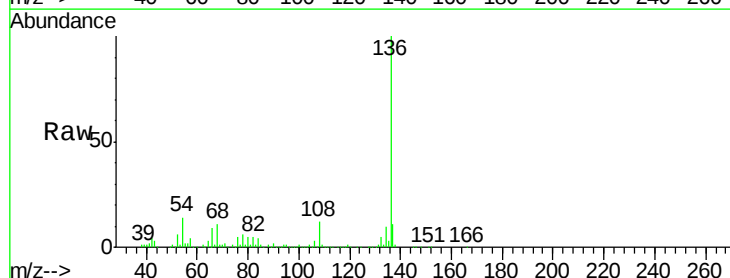
Ion Ratio Lower Upper

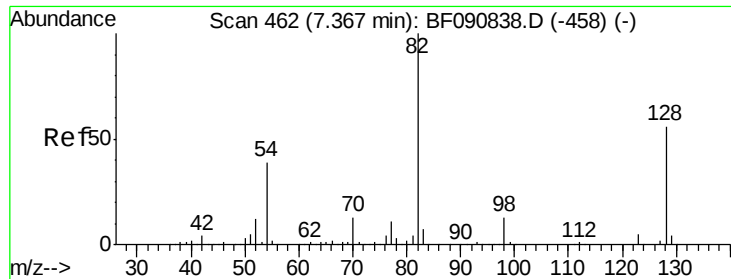
136 100

137 11.5 9.0 13.6

54 13.6 8.2 12.2#

68 10.9 5.8 8.6#

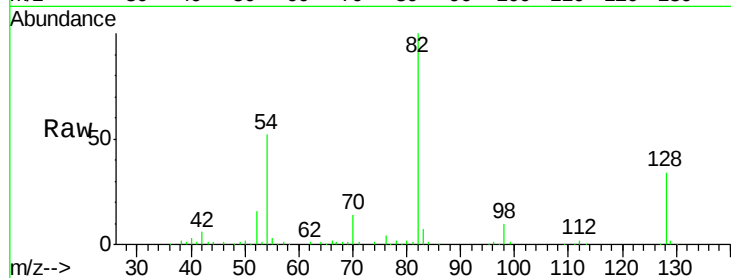




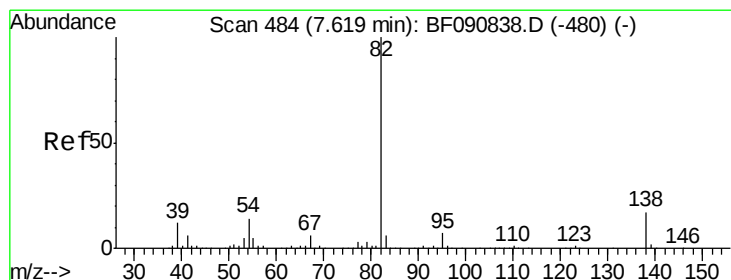
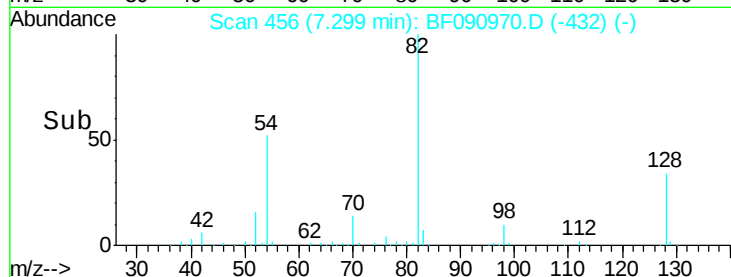
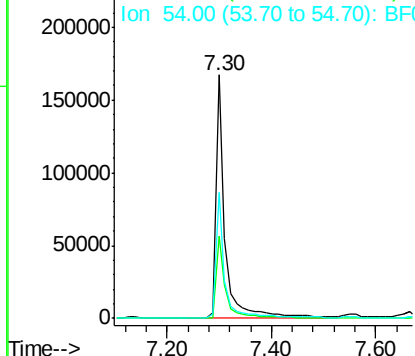
#23
 Nitrobenzene-d5
 Concen: 22.59 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0

Tgt Ion: 82 Resp: 207481
 Ion Ratio Lower Upper
 82 100
 128 33.9 51.0 76.6#
 54 51.7 47.5 71.3

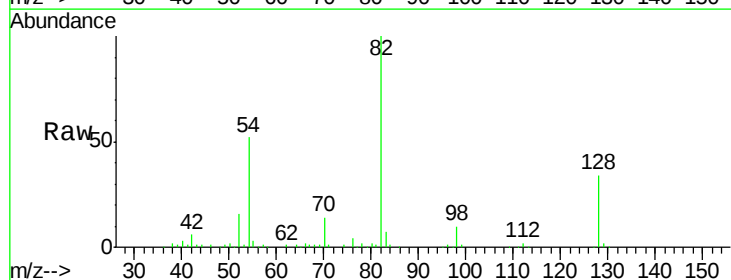


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

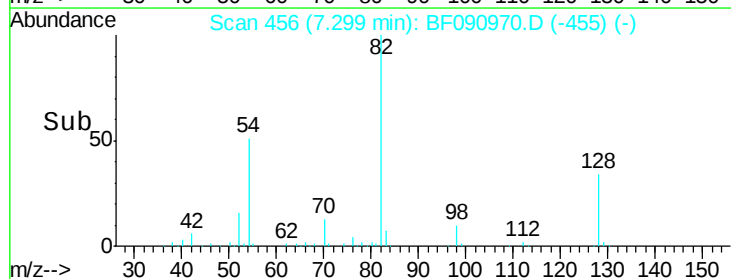
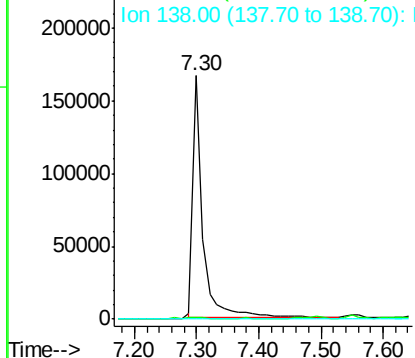


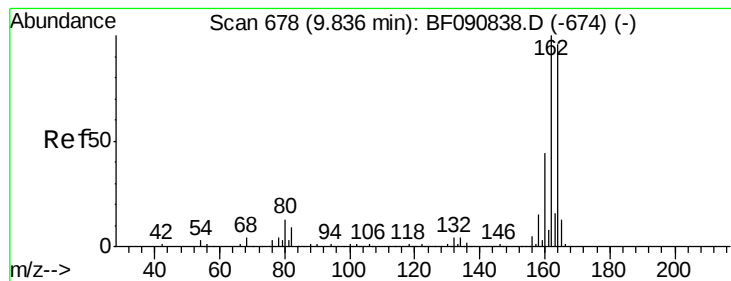
#25
 Isophorone
 Concen: 10.02 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.29 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

Tgt Ion: 82 Resp: 186747
 Ion Ratio Lower Upper
 82 100
 95 0.5 4.0 6.0#
 138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

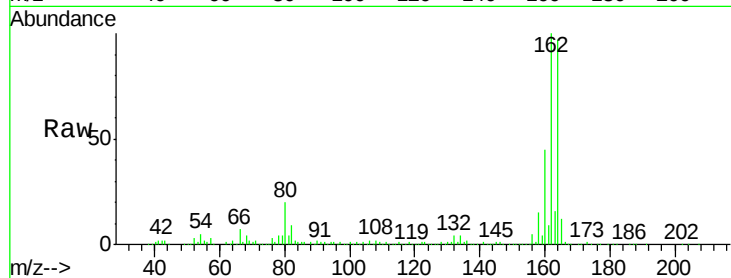
Tgt Ion:164 Resp: 294205

Ion Ratio Lower Upper

164 100

162 103.3 75.2 112.8

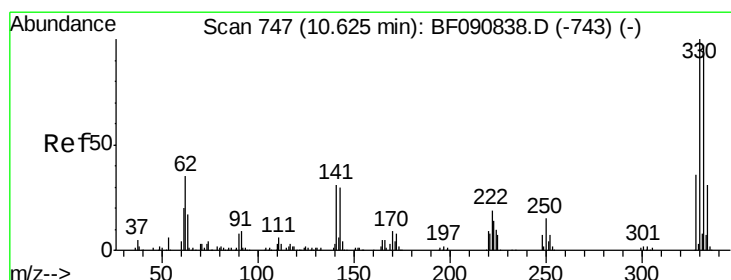
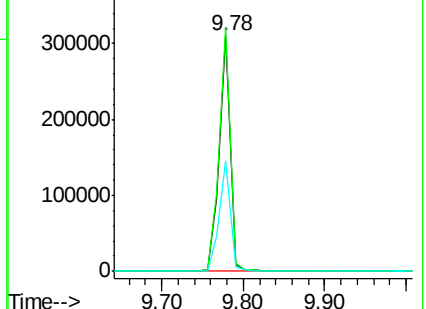
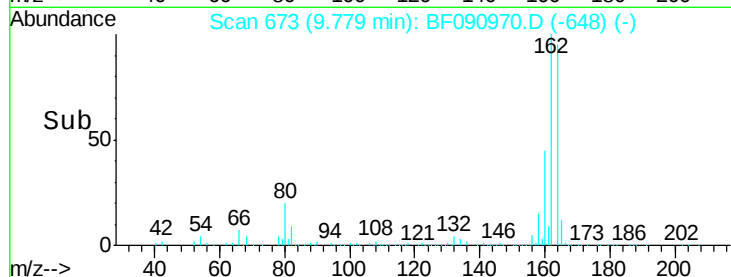
160 46.6 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 12.62 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

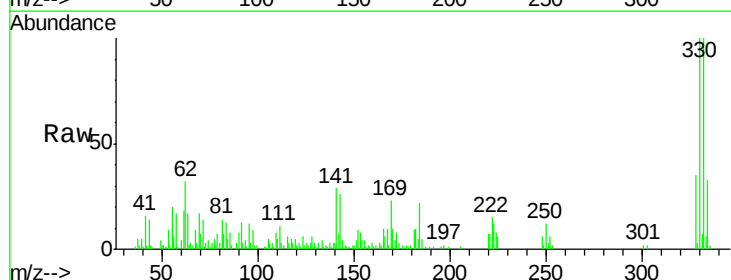
Tgt Ion:330 Resp: 38162

Ion Ratio Lower Upper

330 100

332 98.6 76.6 114.8

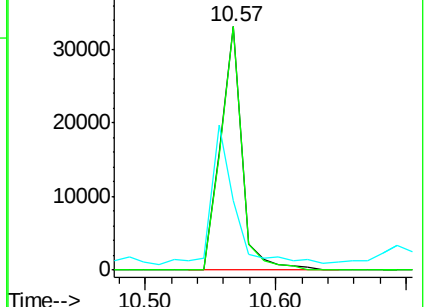
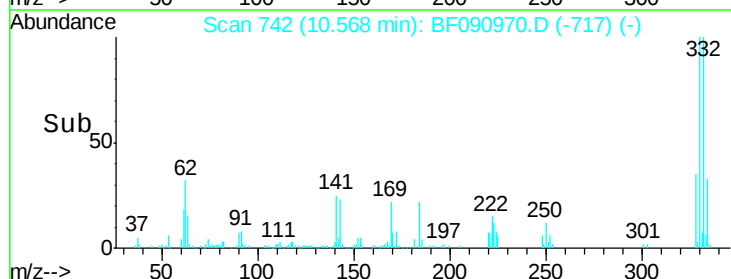
141 61.3 29.7 44.5#

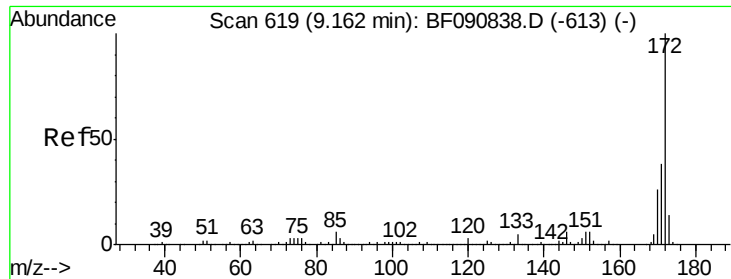


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

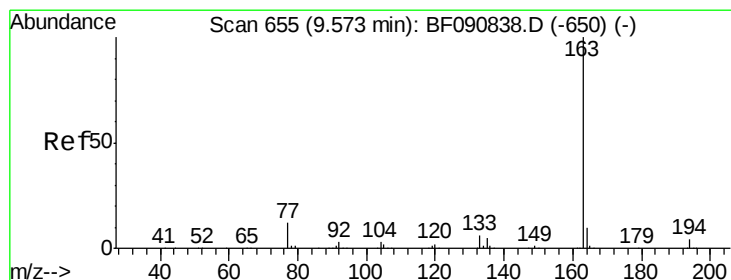
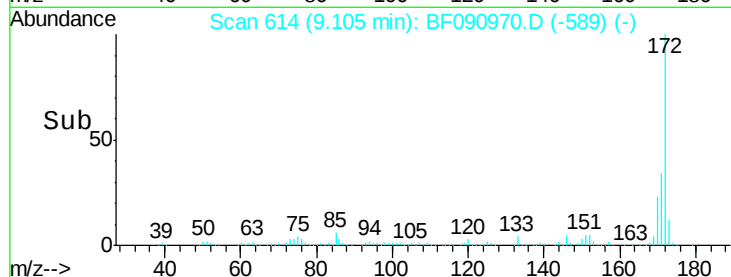
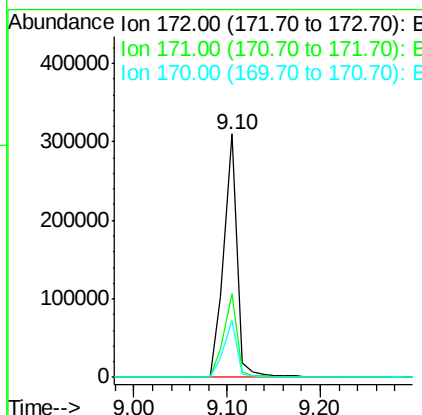
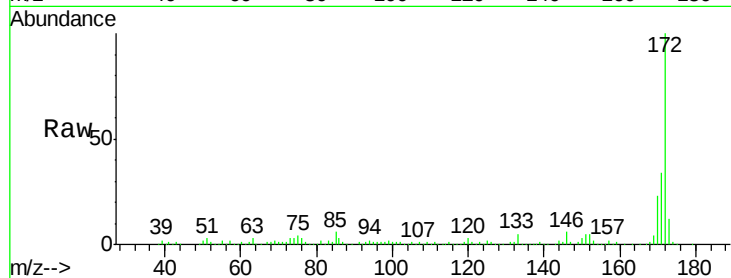




#44
 2-Fluorobiphenyl
 Concen: 18.59 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

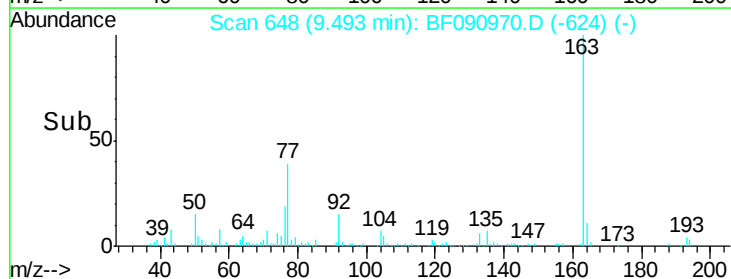
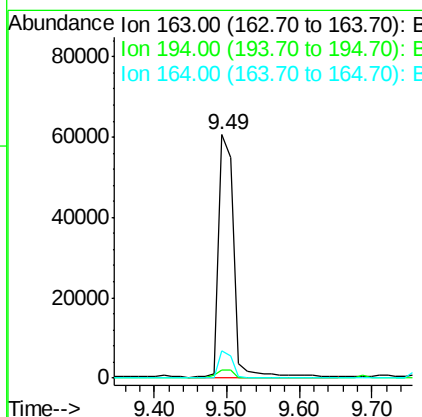
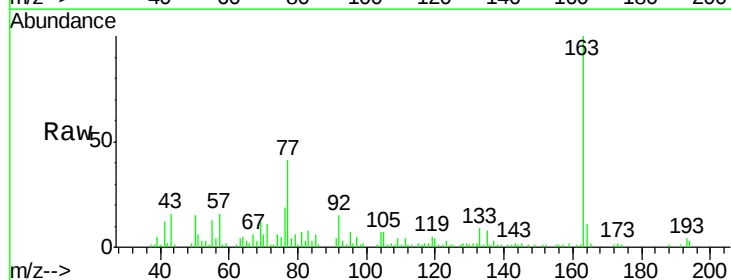
Instrument :
 BNA_F
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 SB-73-0.5-1.0

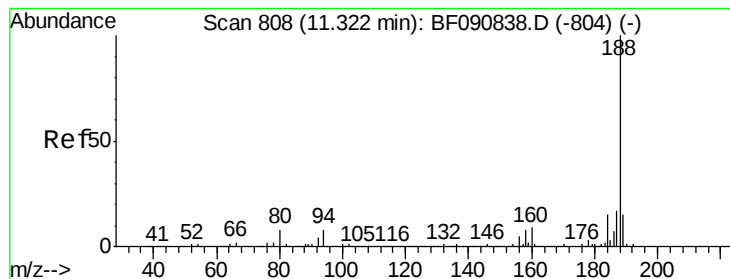
Tgt Ion:172 Resp: 311496
 Ion Ratio Lower Upper
 172 100
 171 34.3 26.1 39.1
 170 23.3 17.4 26.2



#49
 Dimethylphthalate
 Concen: 4.57 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

Tgt Ion:163 Resp: 89879
 Ion Ratio Lower Upper
 163 100
 194 3.1 4.4 6.6#
 164 11.0 8.3 12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

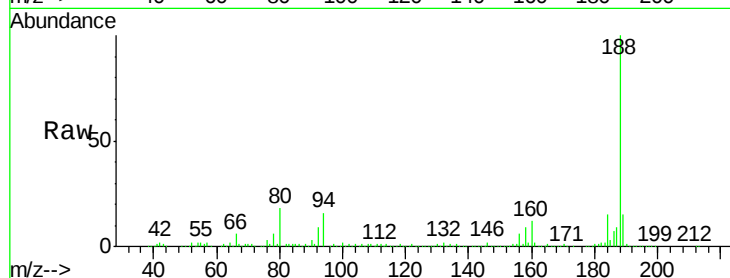
Tgt Ion:188 Resp: 368785

Ion Ratio Lower Upper

188 100

94 15.8 11.1 16.7

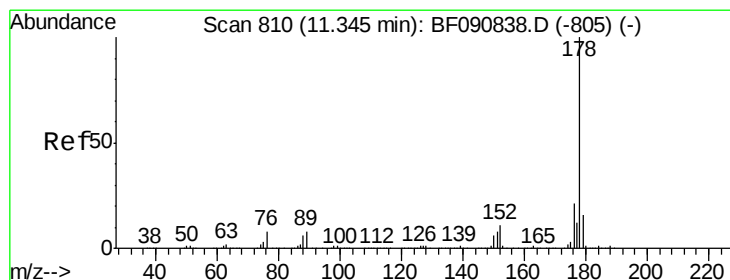
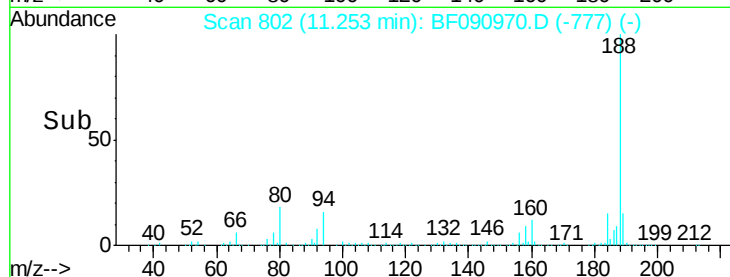
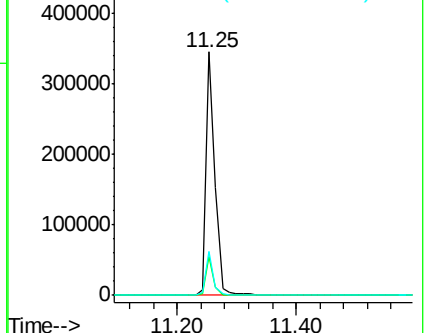
80 18.3 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.76 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

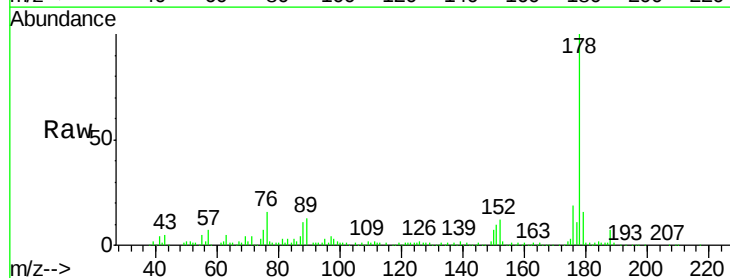
Tgt Ion:178 Resp: 145670

Ion Ratio Lower Upper

178 100

176 19.4 13.8 20.8

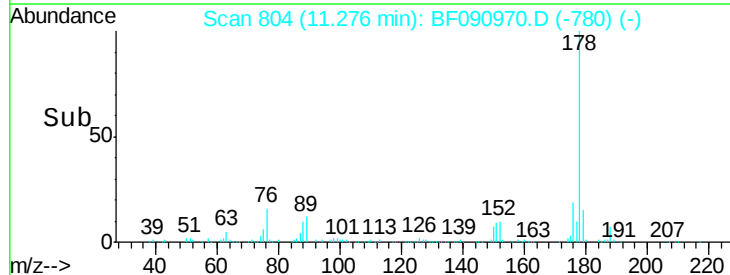
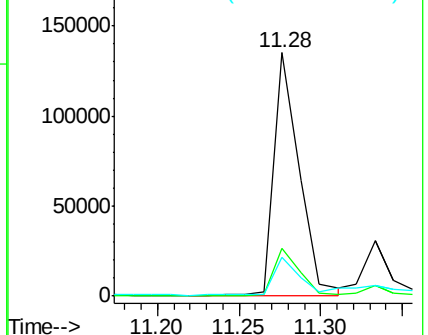
179 16.1 12.2 18.2

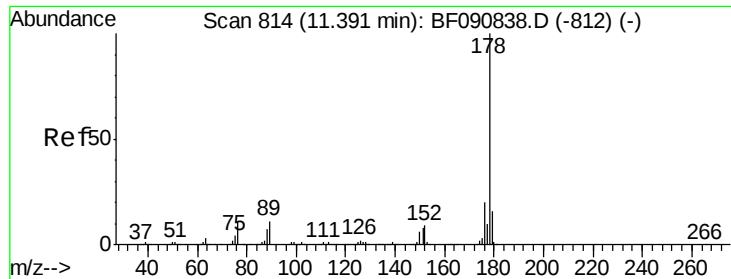


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.37 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.07 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

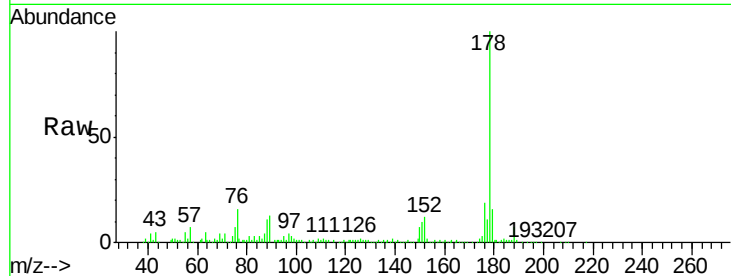
Tgt Ion:178 Resp: 145670

Ion Ratio Lower Upper

178 100

176 19.4 14.1 21.1

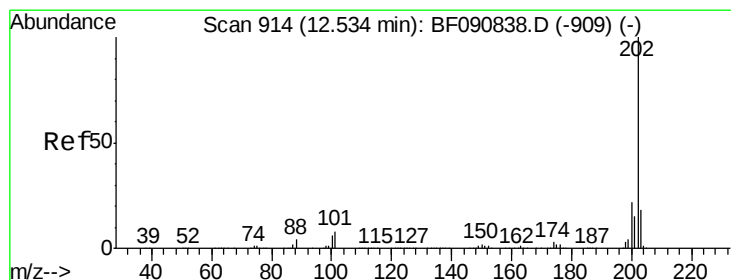
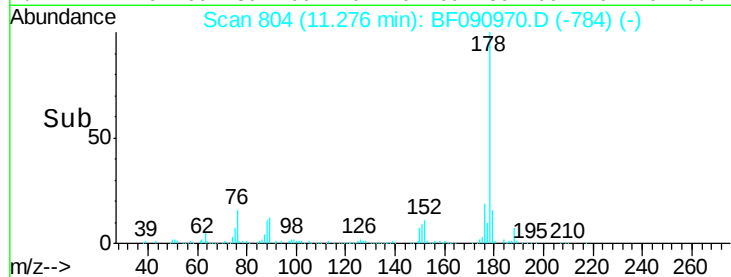
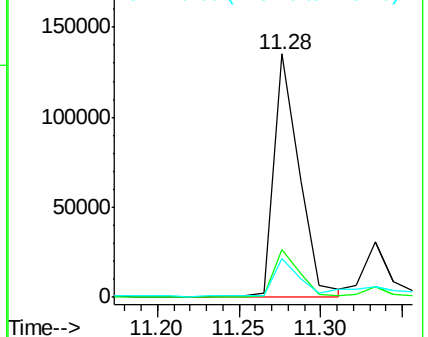
179 16.1 12.2 18.2



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



#74

Fluoranthene

Concen: 8.77 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

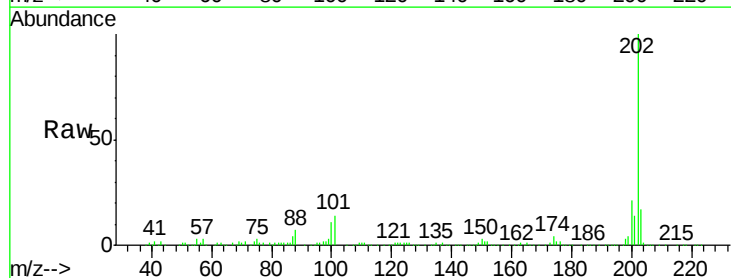
Tgt Ion:202 Resp: 180467

Ion Ratio Lower Upper

202 100

101 14.5 0.0 38.3

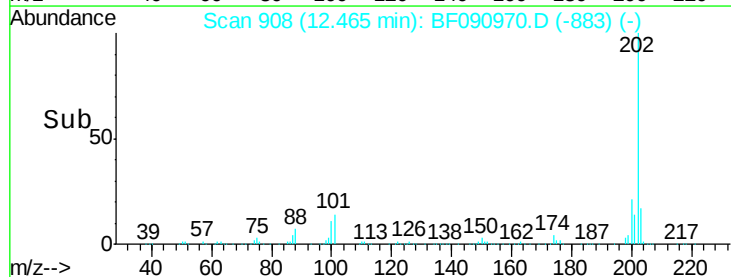
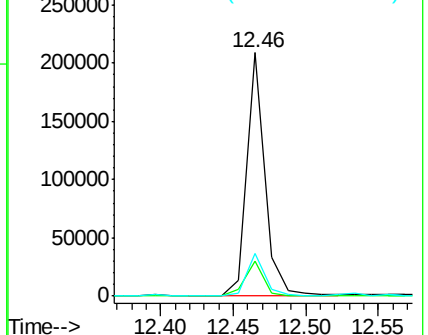
203 17.4 0.0 37.3

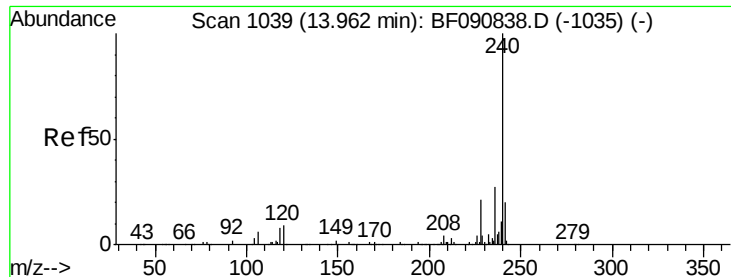


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

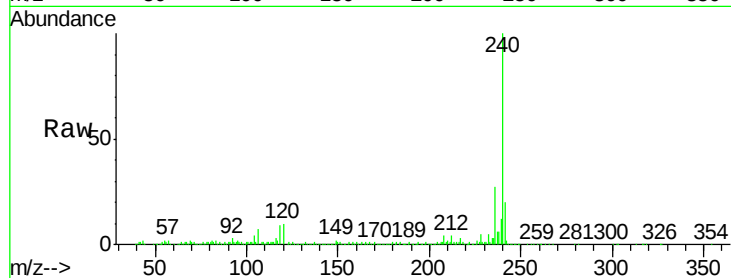
Tgt Ion:240 Resp: 307615

Ion Ratio Lower Upper

240 100

120 10.0 16.2 24.2#

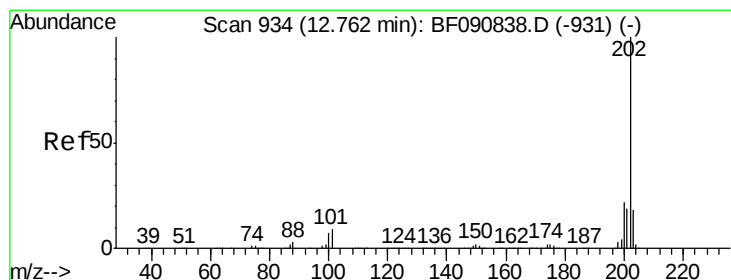
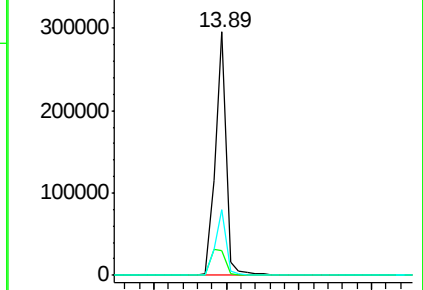
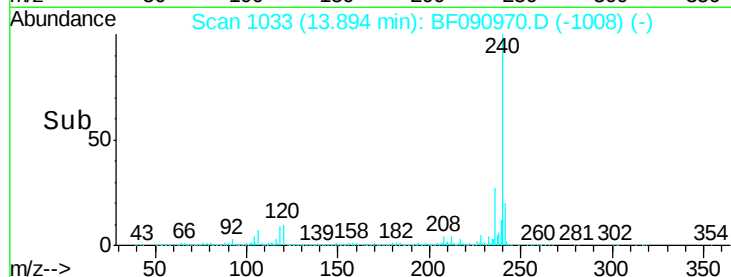
236 27.0 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.51 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

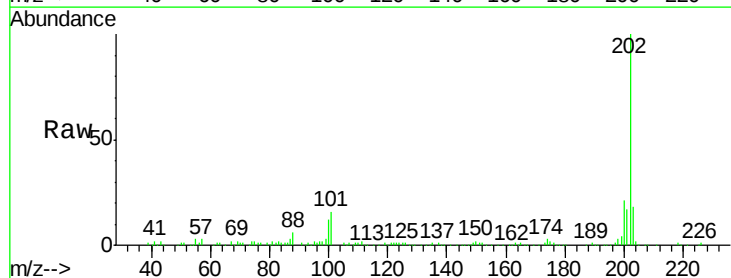
Tgt Ion:202 Resp: 146225

Ion Ratio Lower Upper

202 100

200 21.1 15.0 22.4

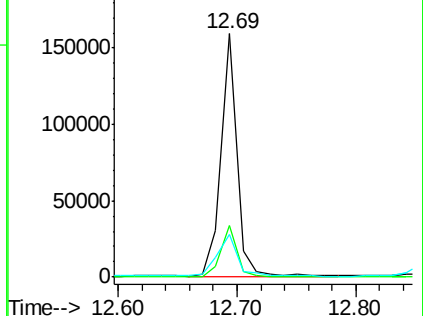
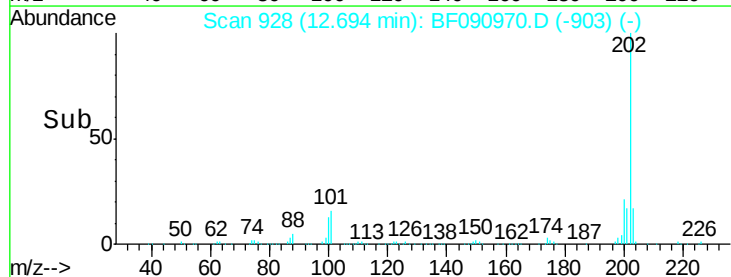
203 17.7 14.1 21.1

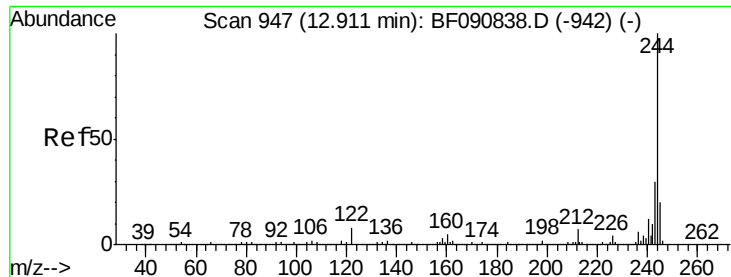


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

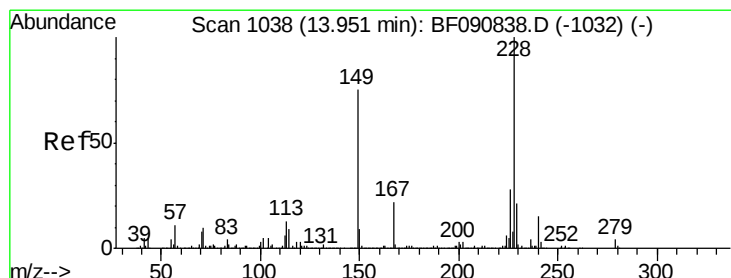
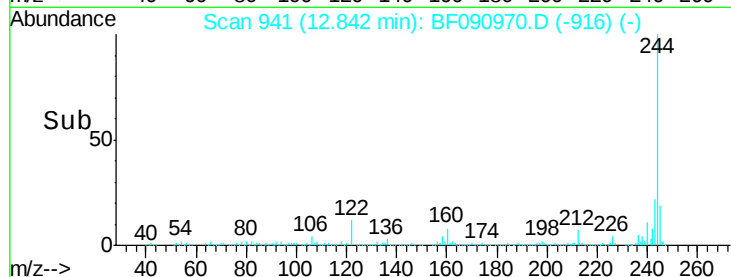
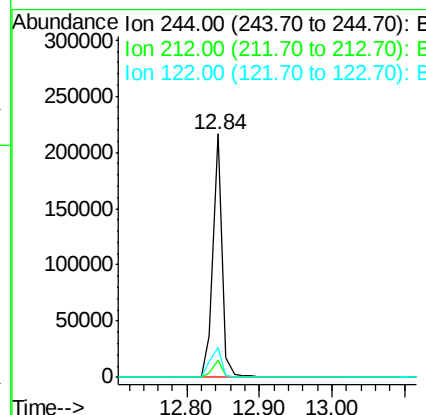
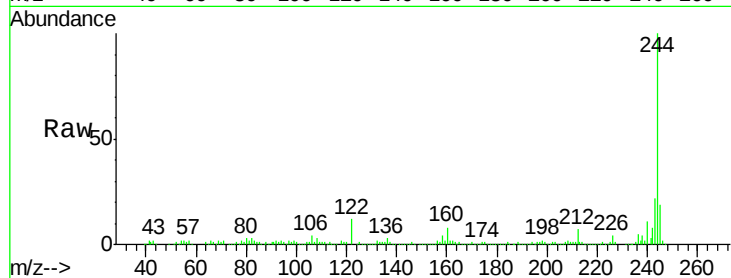




#78
 Terphenyl-d14
 Concen: 15.83 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

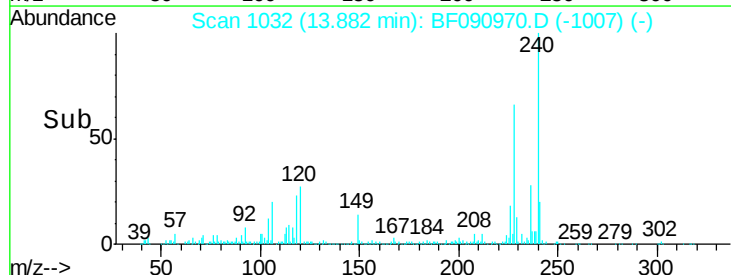
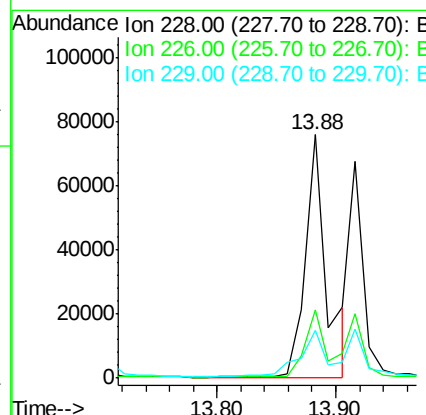
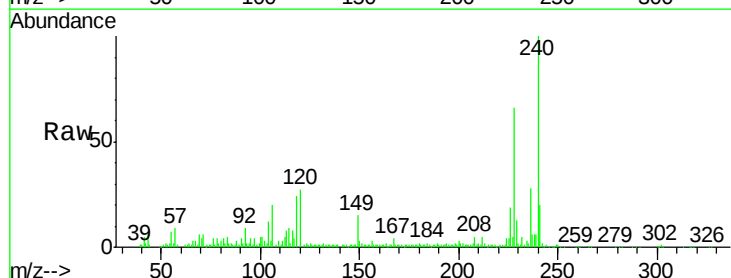
Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0

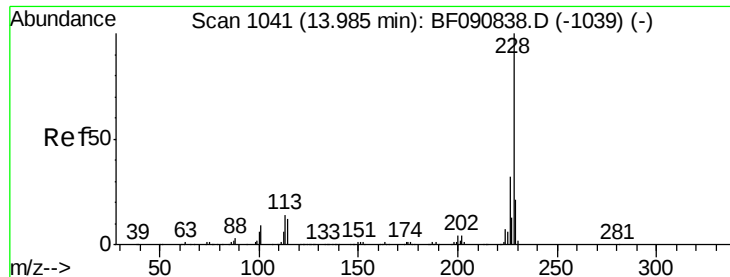
Tgt Ion:244 Resp: 193305
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.3 6.5#
 122 12.2 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 5.84 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF090970.D
 Acq: 2 Nov 2016 00:05

Tgt Ion:228 Resp: 95287
 Ion Ratio Lower Upper
 228 100
 226 28.2 20.0 30.0
 229 19.9 15.4 23.2





#82

Chrysene

Concen: 5.77 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

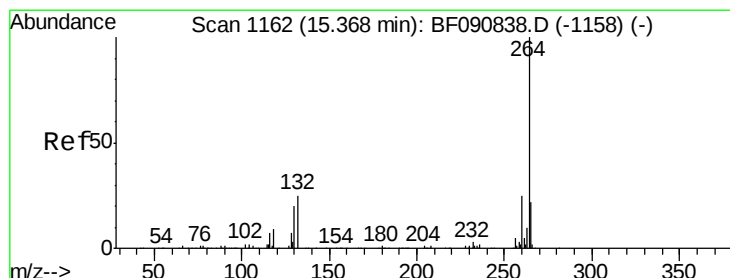
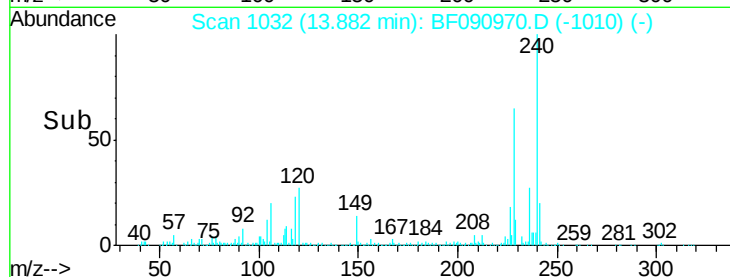
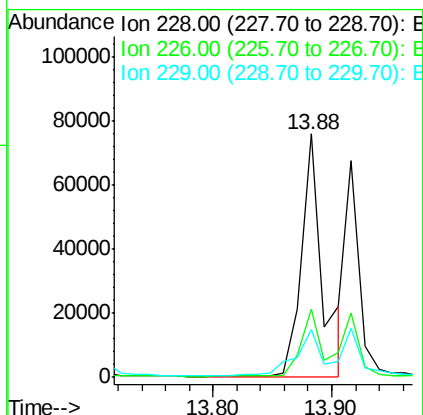
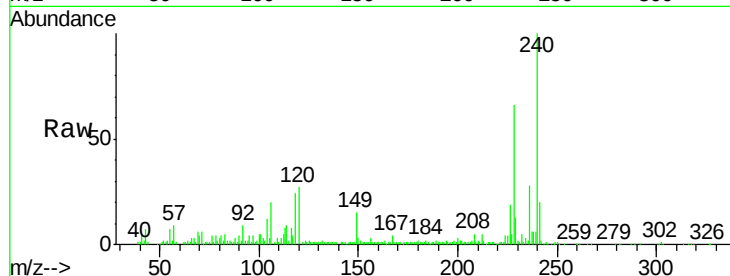
Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

Tgt Ion:	228	Resp:	95287
Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.0	31.4
229	19.9	15.6	23.4



#86

Perylene-d12

Concen: 20.00 ng

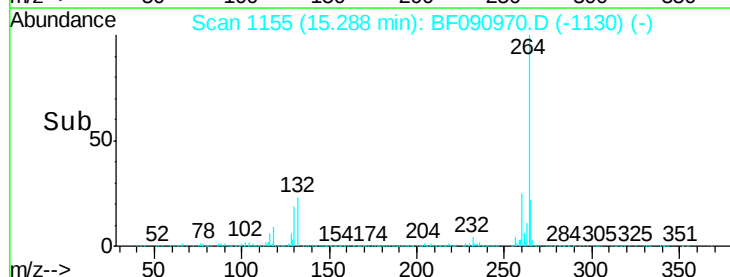
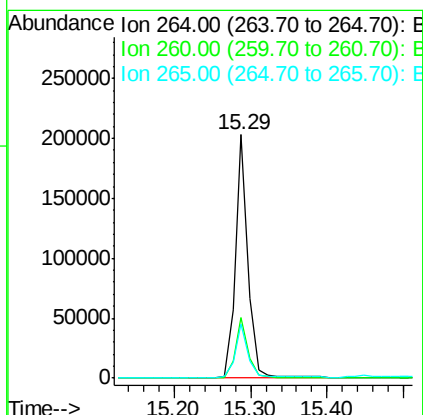
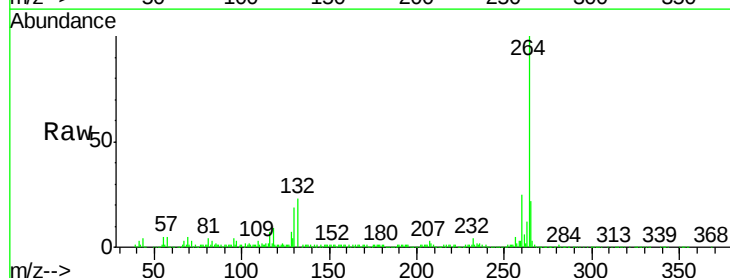
RT: 15.29 min Scan# 1155

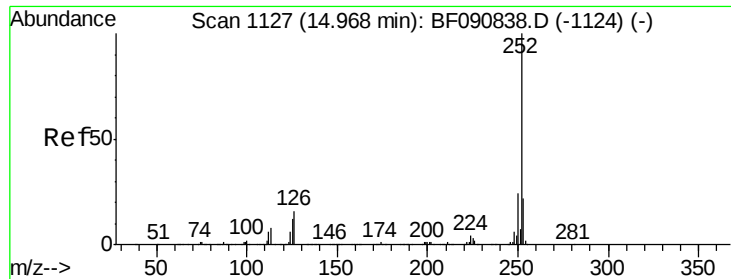
Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Tgt Ion:	264	Resp:	235104
Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1#
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.78 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

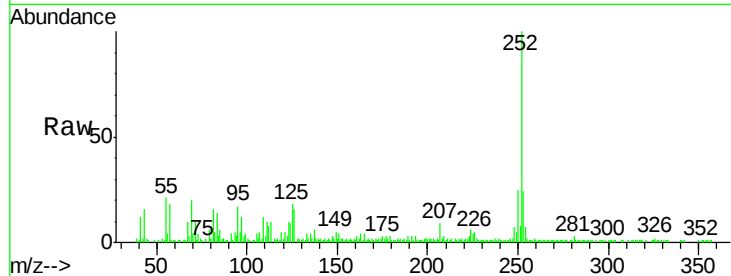
Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

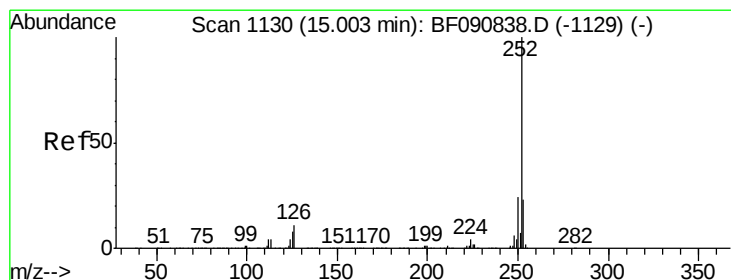
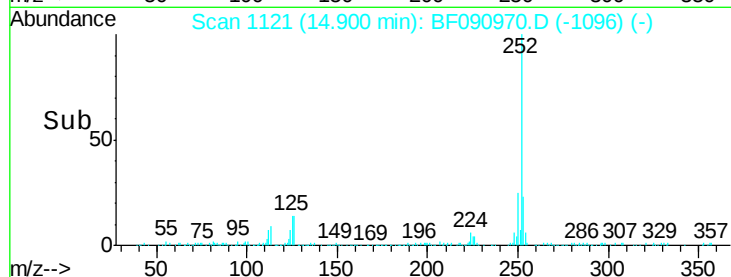
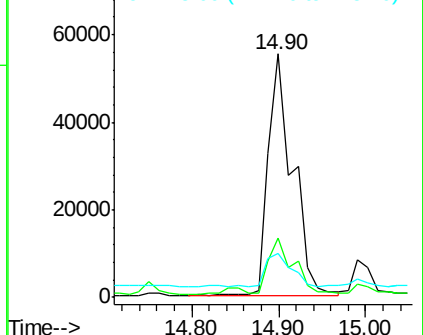
Tgt Ion:	252	Resp:	107170
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.9	17.1	25.7



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



#88

Benzo(k)fluoranthene

Concen: 8.58 ng

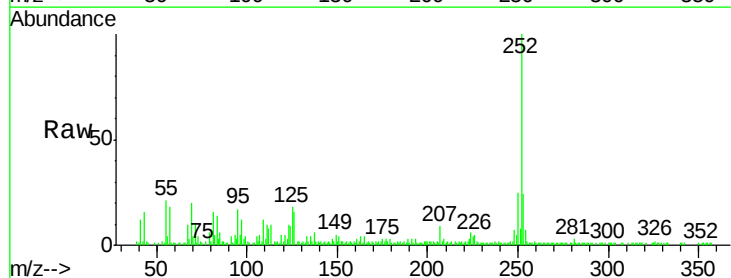
RT: 14.90 min Scan# 1121

Delta R.T. -0.03 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

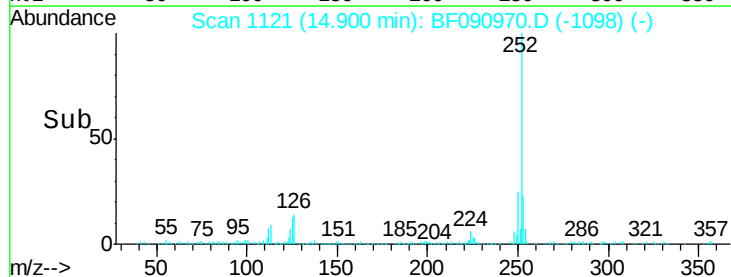
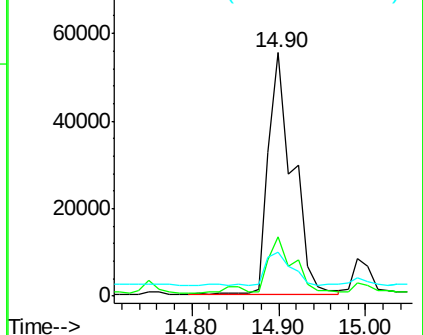
Tgt Ion:	252	Resp:	107170
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.4
125	17.9	16.0	24.0

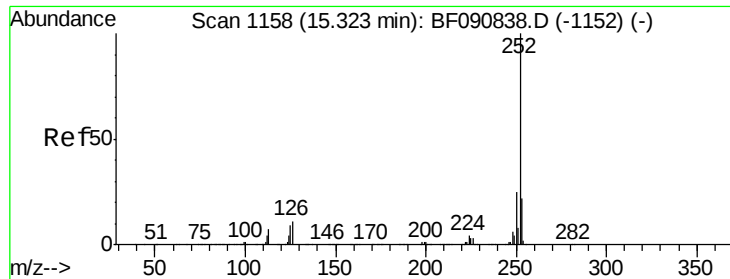


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.68 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0

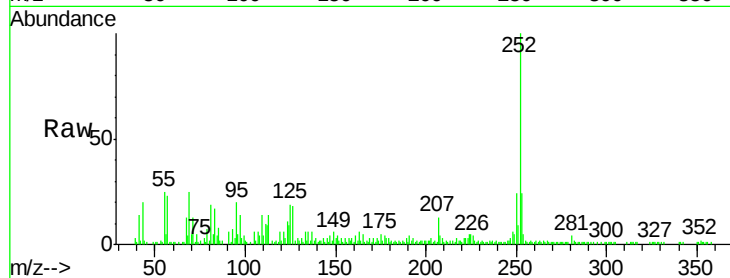
Tgt Ion:252 Resp: 49982

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

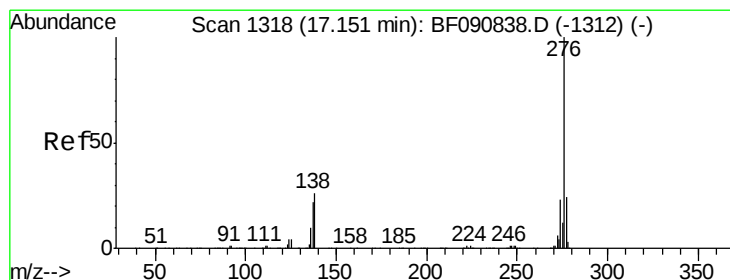
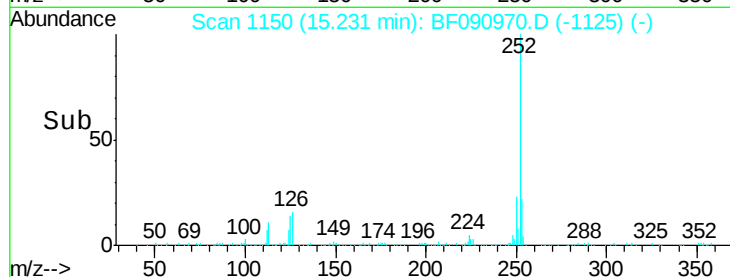
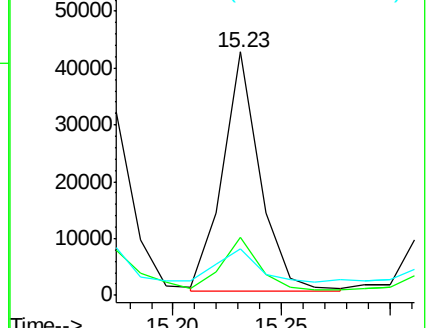
125 19.3 18.0 27.0



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: 2.30 ng

RT: 17.01 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF090970.D

Acq: 2 Nov 2016 00:05

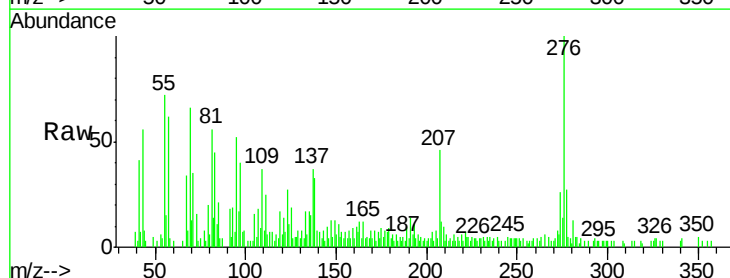
Tgt Ion:276 Resp: 24918

Ion Ratio Lower Upper

276 100

277 27.0 17.8 26.6#

138 33.4 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

