

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087762.D
 Acq On : 6 Jun 2016 20:18
 Operator : UM/SJ
 Sample : H3356-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 U5-B4(6-12)C

Quant Time: Jun 07 01:16:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

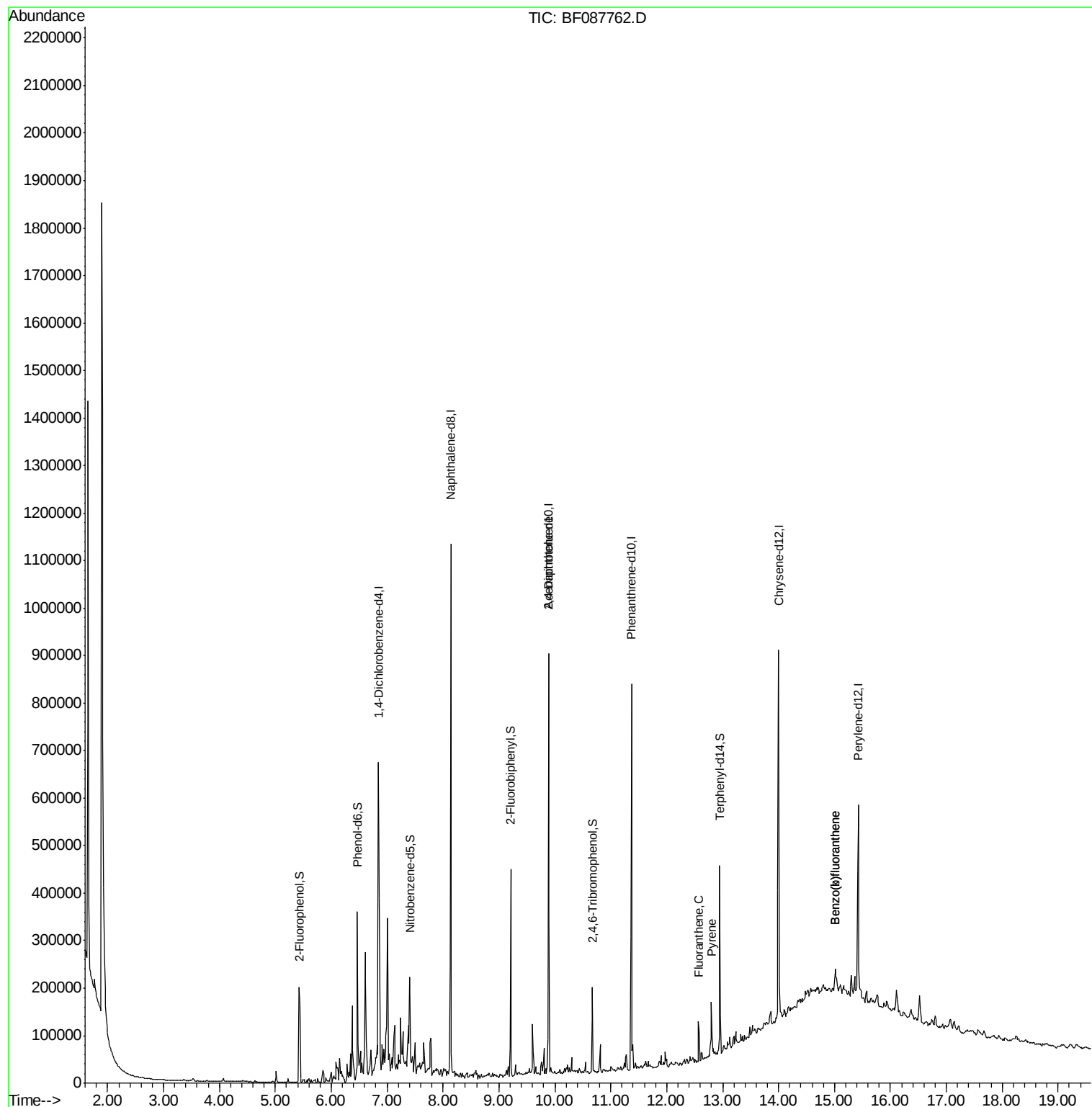
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	113961	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	472811	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	181320	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	308364	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	256890	20.00	ng	-0.02
86) Perylene-d12	15.43	264	193076	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	76137	10.80	ng	-0.01
7) Phenol-d6	6.47	99	100129	11.32	ng	-0.02
23) Nitrobenzene-d5	7.40	82	54433	6.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	26567	14.60	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	122158	8.25	ng	-0.02
78) Terphenyl-d14	12.95	244	109497	10.40	ng	-0.02
Target Compounds						
56) 2,4-Dinitrotoluene	9.88	165	23517	6.16	ng	# 38
74) Fluoranthene	12.57	202	40985	2.49	ng	93
77) Pyrene	12.80	202	47640	2.60	ng	98
87) Benzo(b)fluoranthene	15.02	252	35885	2.86	ng	# 85
88) Benzo(k)fluoranthene	15.02	252	35885	3.43	ng	# 90

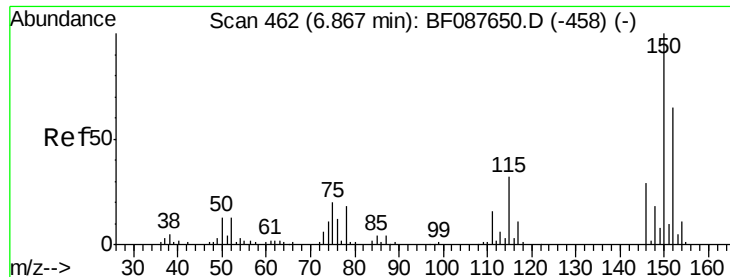
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

U5-B4(6-12)C

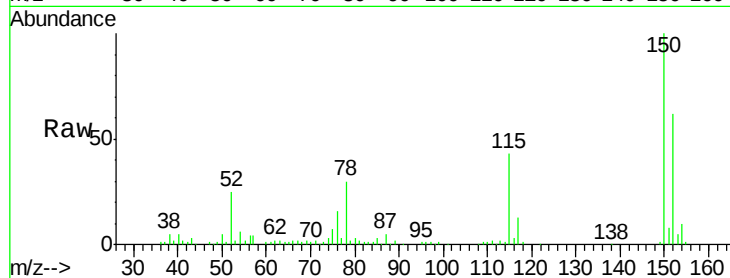
Tgt Ion:152 Resp: 113961

Ion Ratio Lower Upper

152 100

150 161.4 123.8 185.6

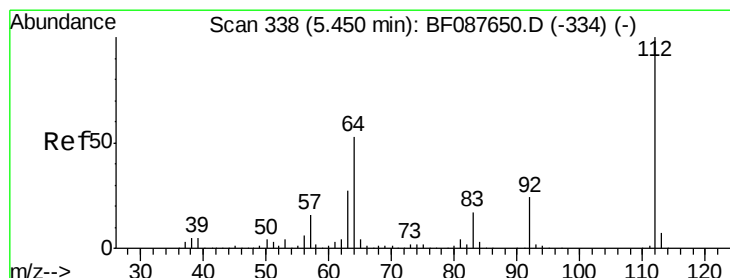
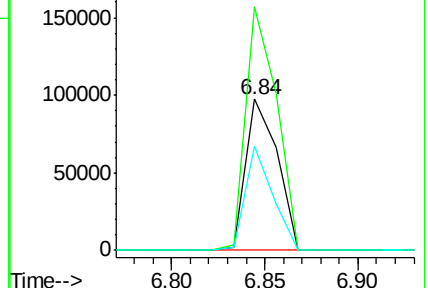
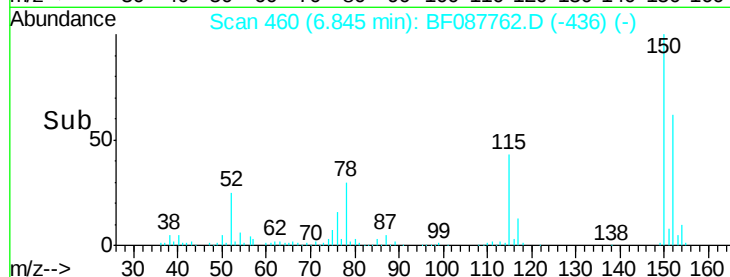
115 68.8 39.6 59.4#



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: 10.80 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.01 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

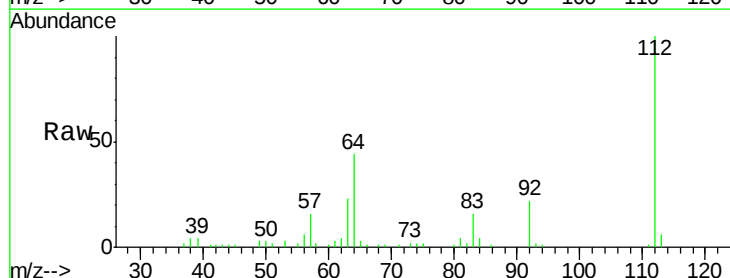
Tgt Ion:112 Resp: 76137

Ion Ratio Lower Upper

112 100

64 44.1 42.2 63.2

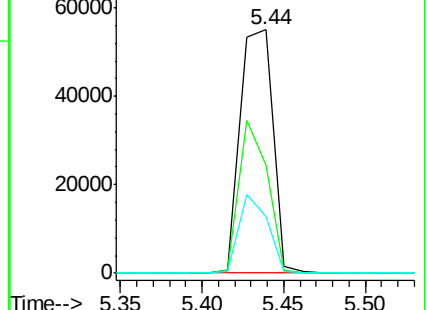
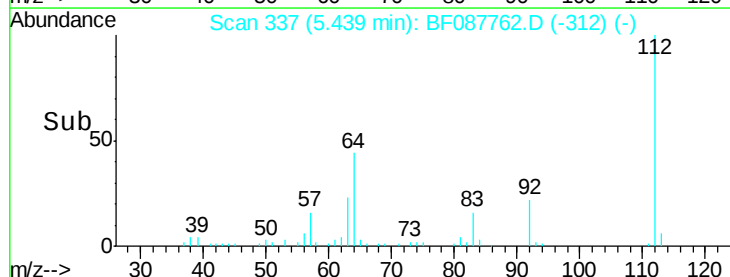
63 23.2 21.8 32.8

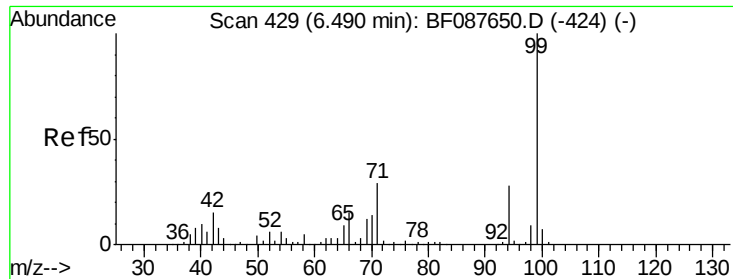


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.32 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

U5-B4(6-12)C

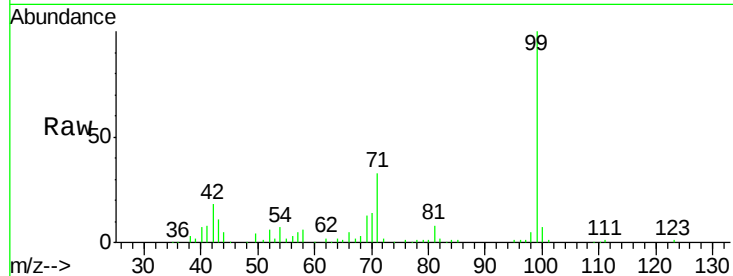
Tgt Ion: 99 Resp: 100129

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

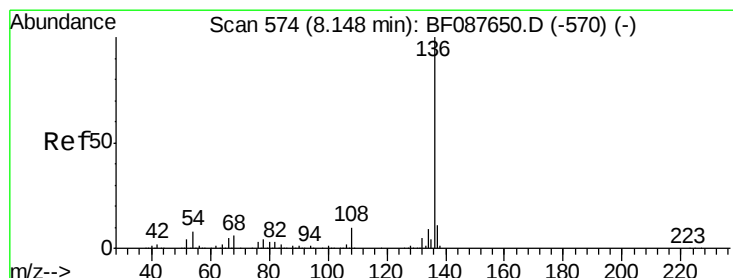
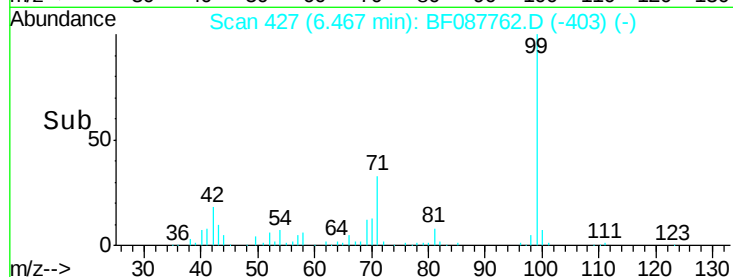
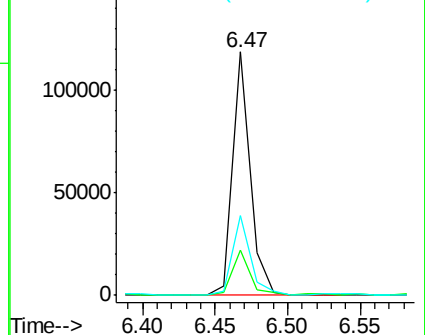
71 32.9 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

Tgt Ion: 136 Resp: 472811

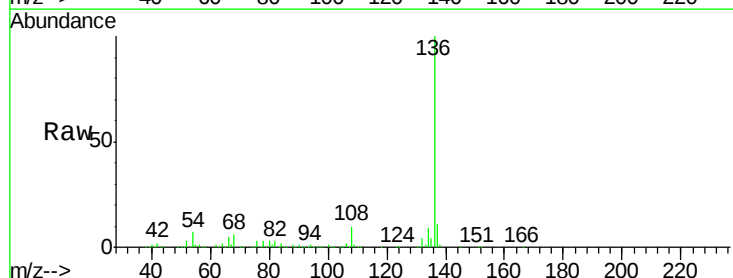
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.8 6.6 10.0

68 5.6 5.1 7.7

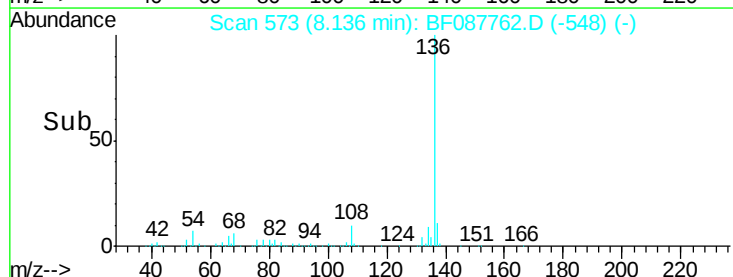
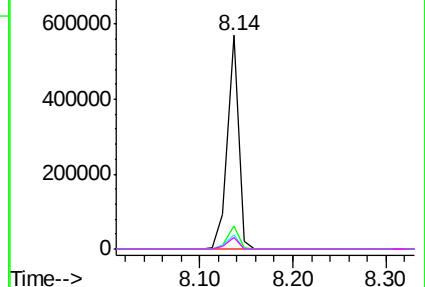


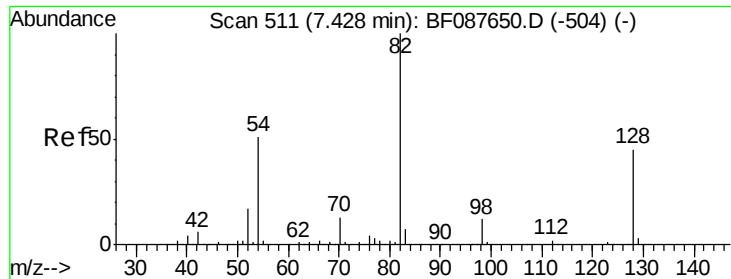
Abundance Ion 136.00 (135.70 to 136.70): E

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

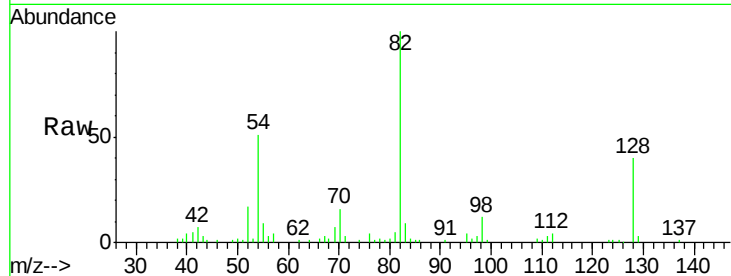




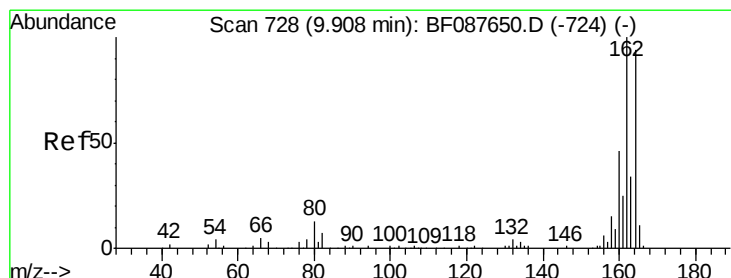
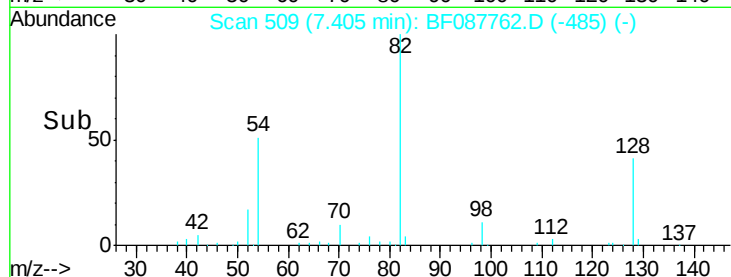
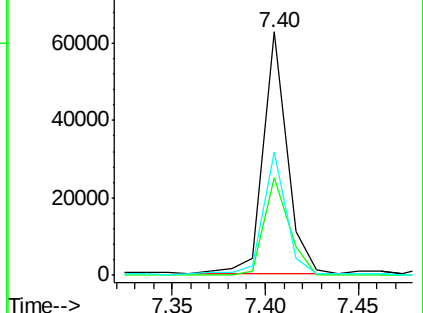
#23
 Nitrobenzene-d5
 Concen: 6.66 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

Instrument :
 BNA_F
 ClientSampleId :
 U5-B4(6-12)C

Tgt Ion: 82 Resp: 54433
 Ion Ratio Lower Upper
 82 100
 128 40.2 35.9 53.9
 54 50.7 40.9 61.3

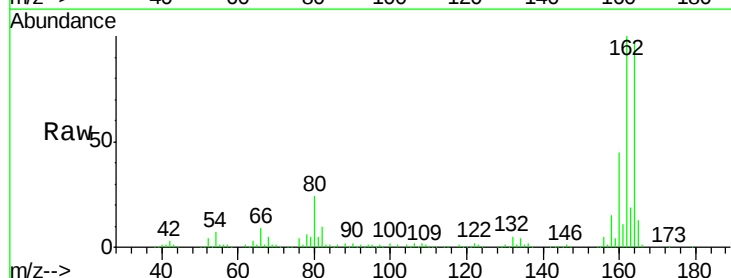


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

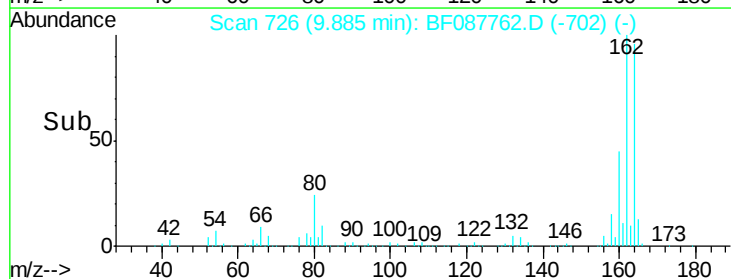
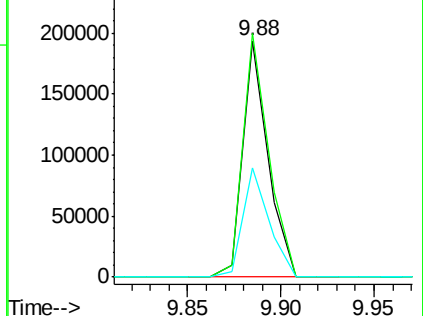


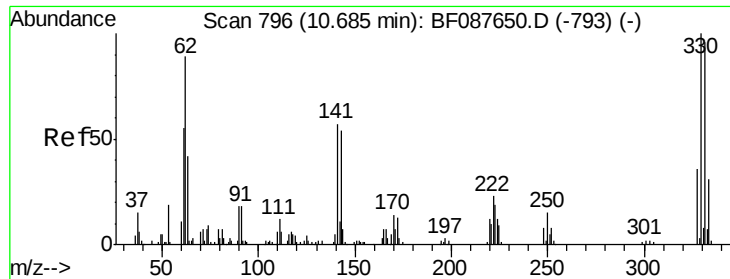
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

Tgt Ion: 164 Resp: 181320
 Ion Ratio Lower Upper
 164 100
 162 103.1 85.4 128.2
 160 46.5 39.5 59.3



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

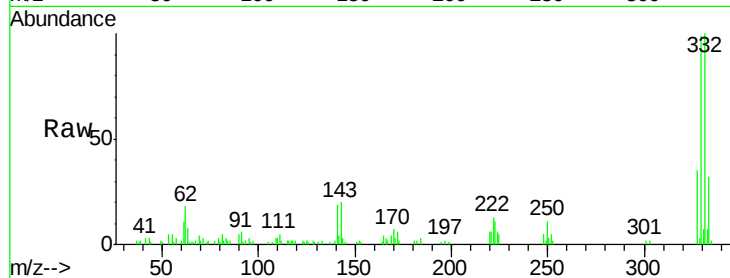




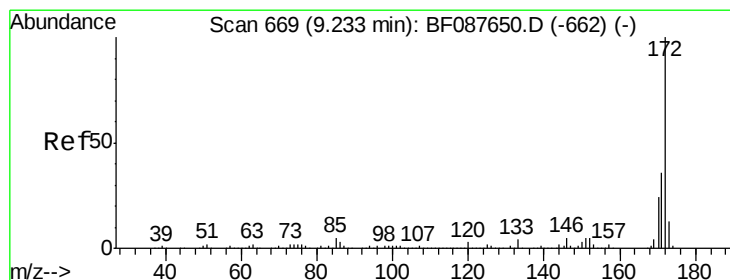
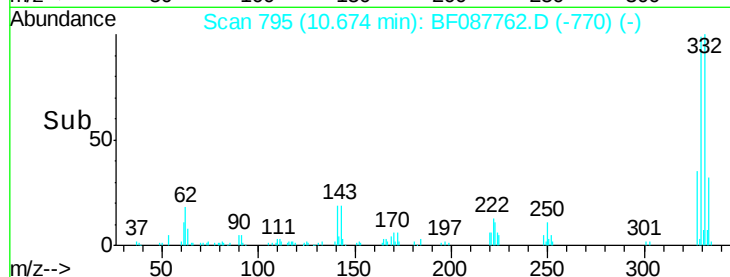
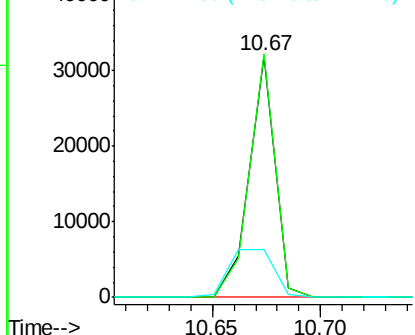
#41
 2,4,6-Tribromophenol
 Concen: 14.60 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

Instrument :
 BNA_F
 ClientSampleId :
 U5-B4(6-12)C

Tgt Ion:330 Resp: 26567
 Ion Ratio Lower Upper
 330 100
 332 99.5 0.0 0.0#
 141 34.2 0.0 0.0#

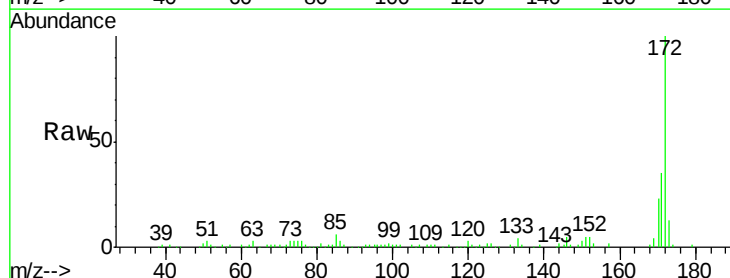


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

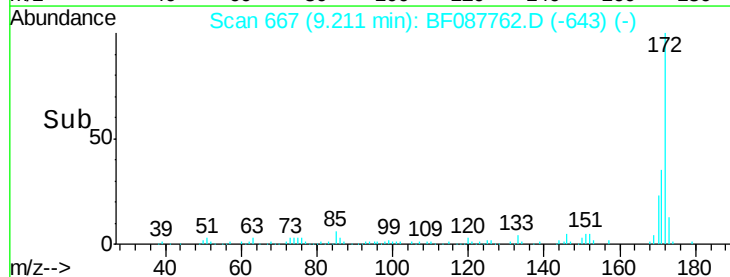
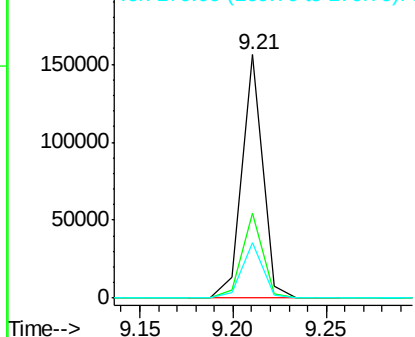


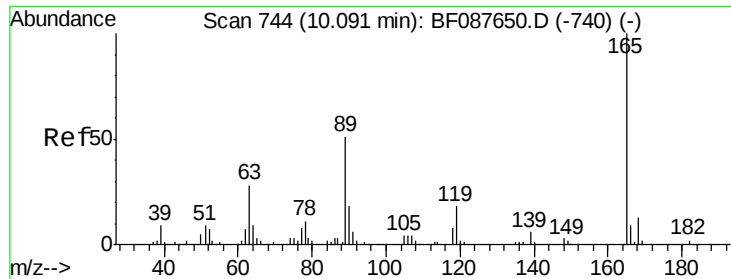
#44
 2-Fluorobiphenyl
 Concen: 8.25 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

Tgt Ion:172 Resp: 122158
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 23.0 19.2 28.8



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

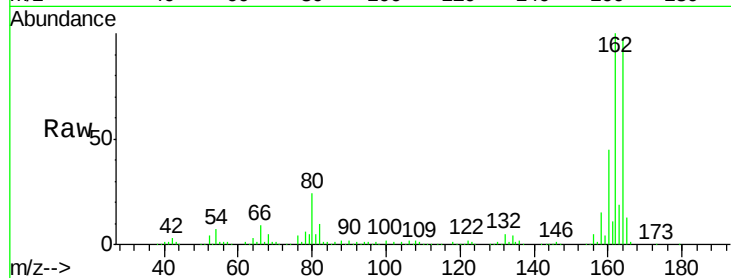




#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.21 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

Instrument :
 BNA_F
 ClientSampleId :
 U5-B4(6-12)C

Tgt Ion:	165	Resp:	23517
Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

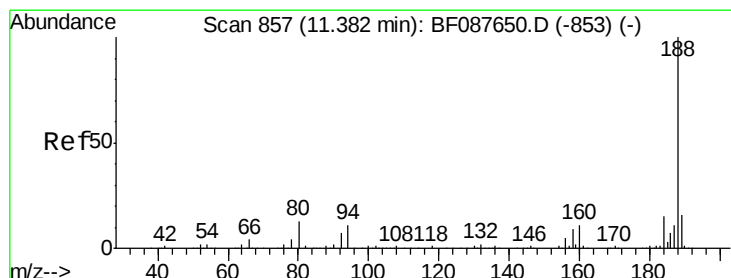
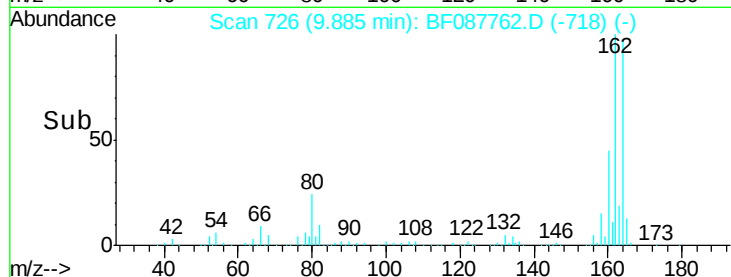
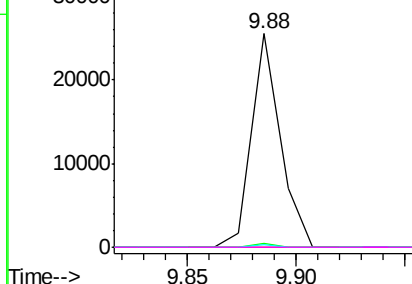


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

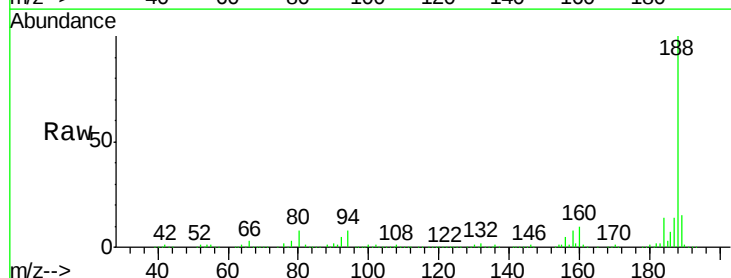
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087762.D
 Acq: 6 Jun 2016 20:18

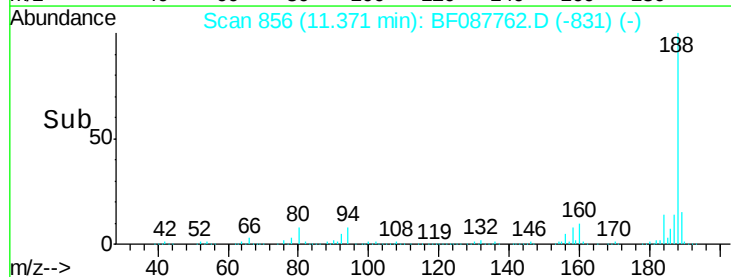
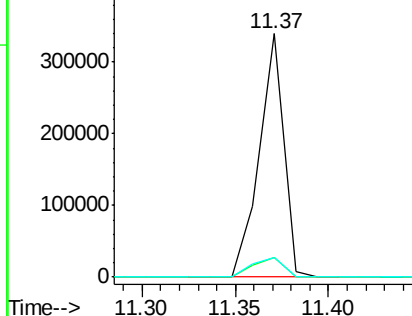
Tgt Ion:	188	Resp:	308364
Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.0	13.6#
80	8.3	10.0	15.0#

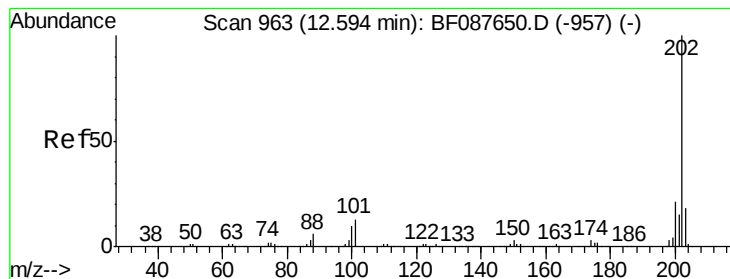


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.49 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.02 min

Lab File: BF087762.D

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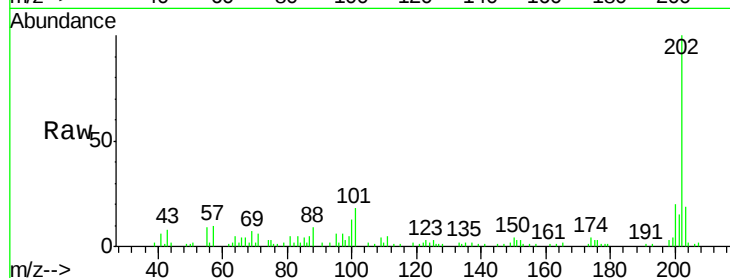
Tgt Ion:202 Resp: 40985

Ion Ratio Lower Upper

202 100

101 18.4 0.0 33.1

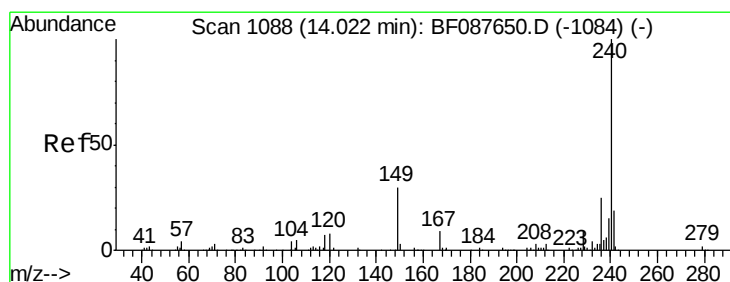
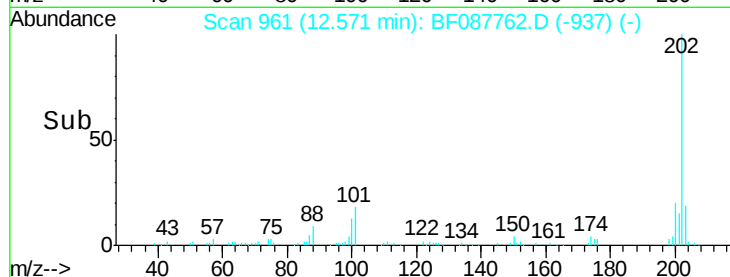
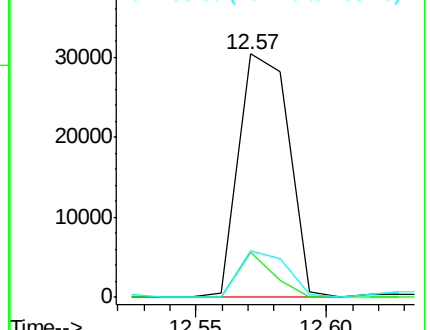
203 18.9 0.0 38.1



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: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

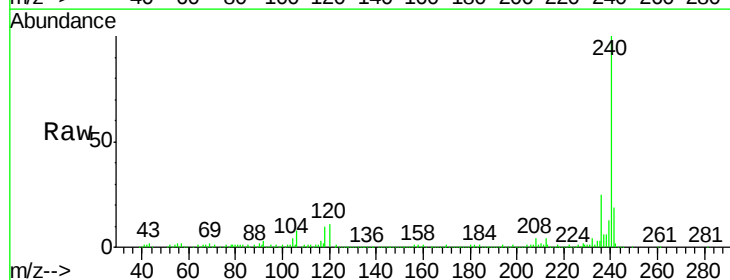
Tgt Ion:240 Resp: 256890

Ion Ratio Lower Upper

240 100

120 11.4 6.8 10.2#

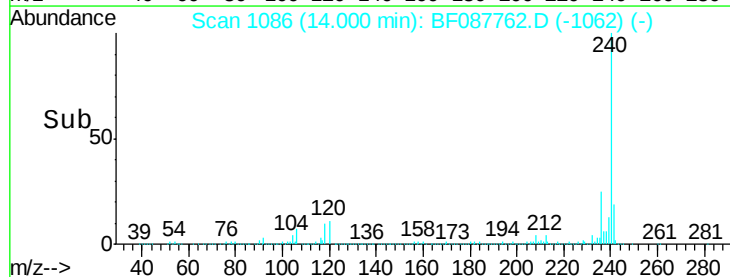
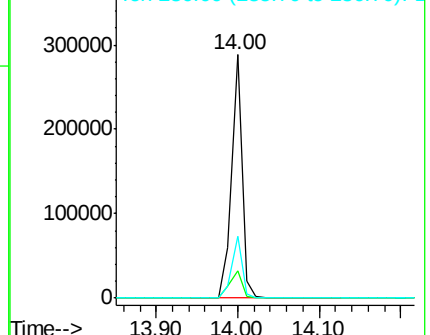
236 25.4 20.2 30.2

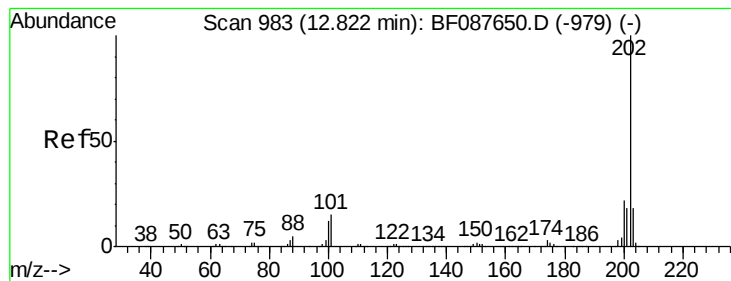


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.60 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

U5-B4(6-12)C

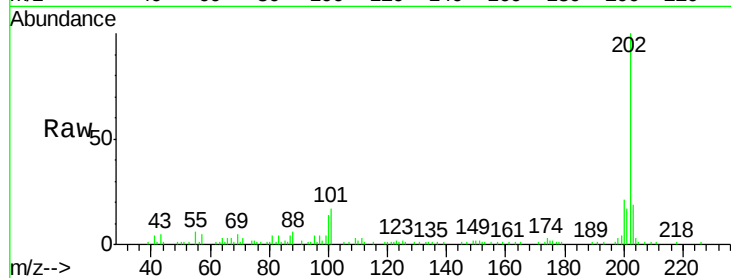
Tgt Ion:202 Resp: 47640

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

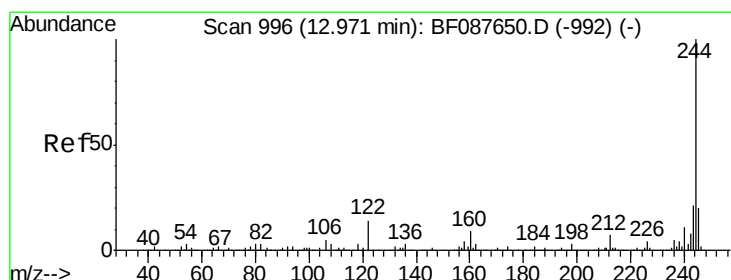
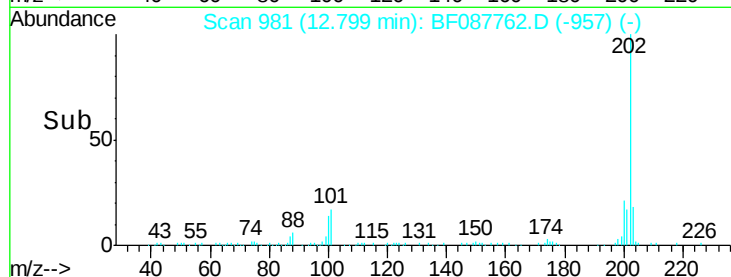
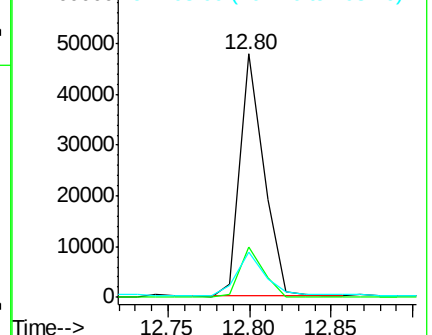
203 18.7 14.5 21.7



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: 10.40 ng

RT: 12.95 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF087762.D

Acq: 6 Jun 2016 20:18

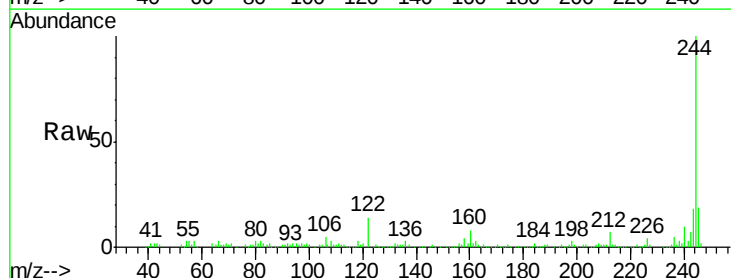
Tgt Ion:244 Resp: 109497

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

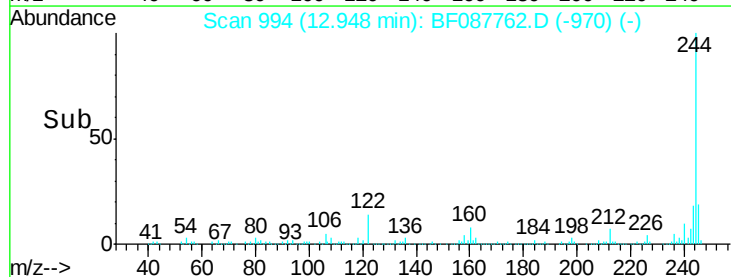
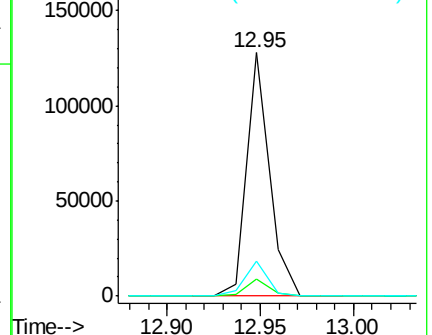
122 14.1 11.2 16.8

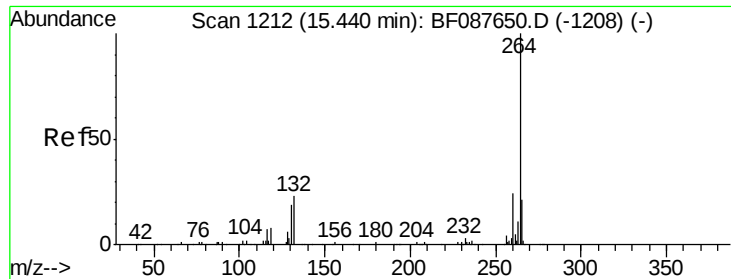


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

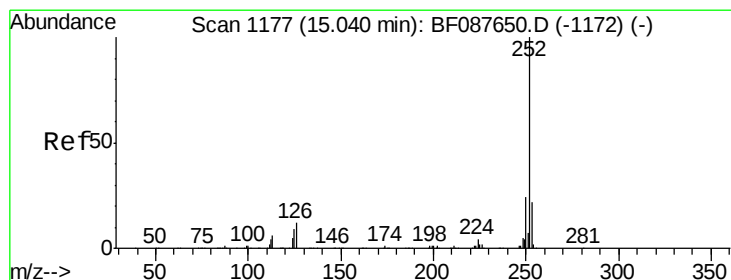
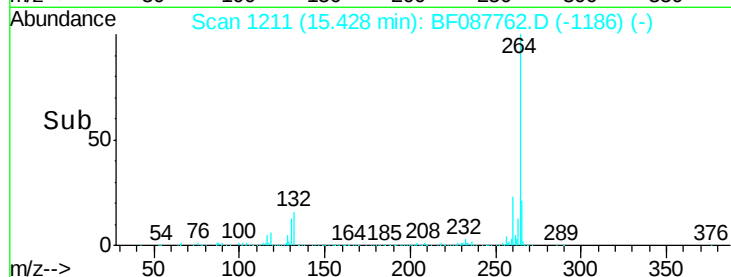
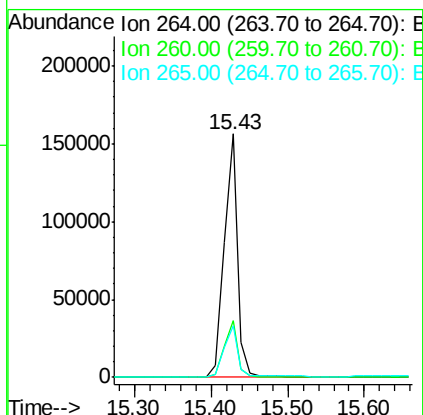
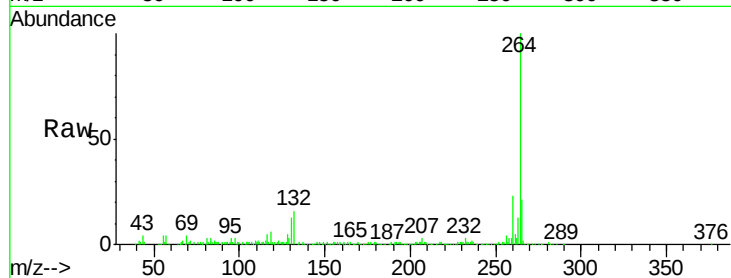




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087762.D
Acq: 6 Jun 2016 20:18

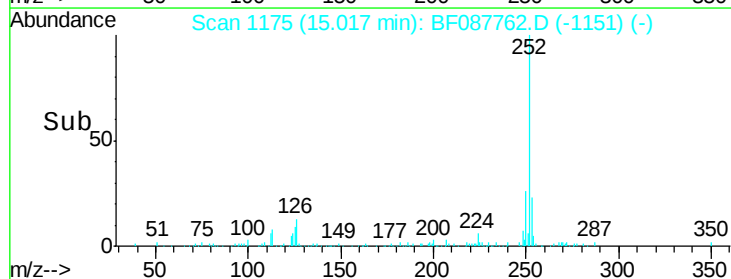
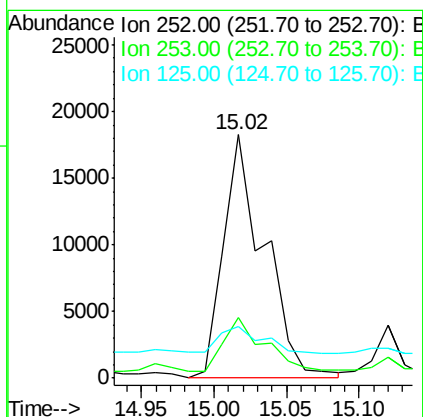
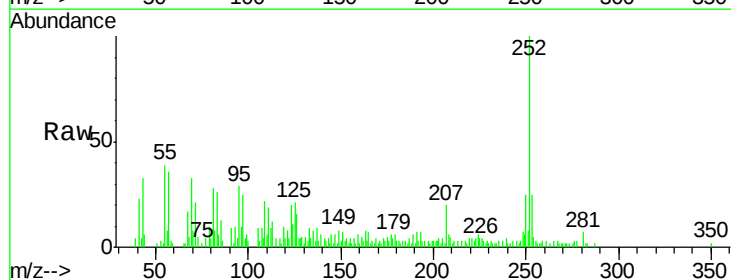
Instrument :
BNA_F
ClientSampleId :
U5-B4(6-12)C

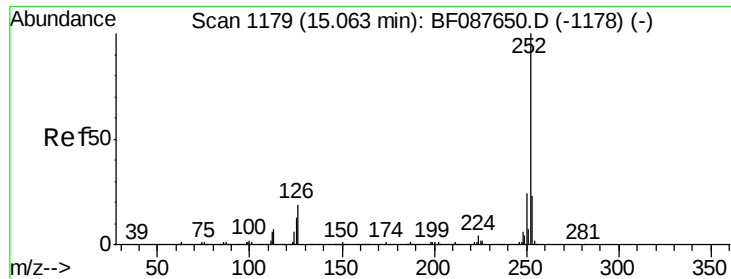
Tgt Ion:264 Resp: 193076
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087762.D
Acq: 6 Jun 2016 20:18

Tgt Ion:252 Resp: 35885
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 21.3 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.43 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.05 min

Lab File: BF087762.D

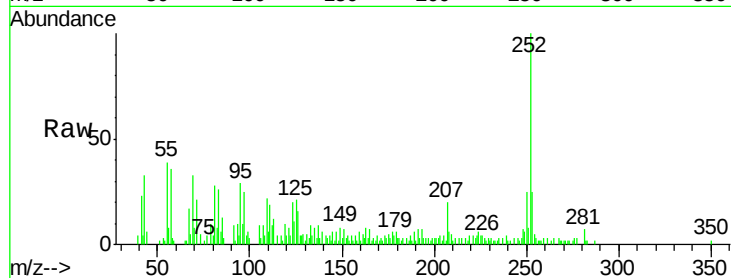
Acq: 6 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

U5-B4(6-12)C



Tgt Ion:	252	Resp:	35885
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.0	27.0
125	21.3	11.2	16.8#

