

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087750.D
 Acq On : 6 Jun 2016 14:13
 Operator : UM/SJ
 Sample : H3346-01 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

Quant Time: Jun 06 16:03:15 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	99366	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	420676	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	185916	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	337131	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	238027	20.00	ng	-0.02
86) Perylene-d12	15.42	264	223274	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	7951	1.29	ng	-0.01
7) Phenol-d6	6.47	99	7321	0.95	ng	-0.02
23) Nitrobenzene-d5	7.40	82	11550	1.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	3776	2.02	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	37043	2.62	ng	-0.02
78) Terphenyl-d14	12.95	244	23925	2.45	ng	-0.02

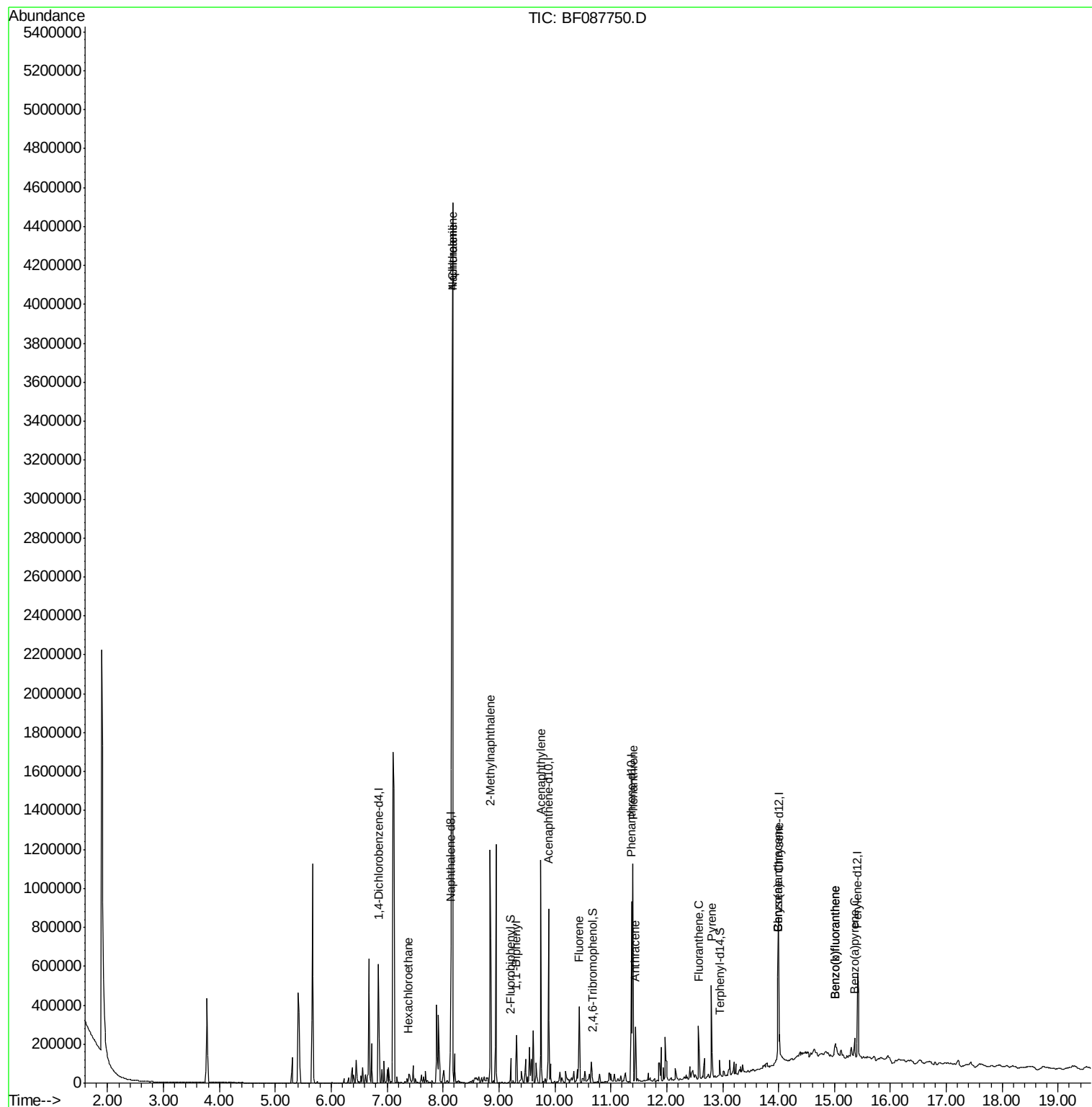
Target Compounds						Qvalue
18) Hexachloroethane	7.38	117	12693	4.78	ng	# 34
31) Naphthalene	8.17	128	2965810	145.00	ng	98
33) 4-Chloroaniline	8.17	127	424889	47.82	ng	# 34
37) 2-Methylnaphthalene	8.84	142	436773	32.34	ng	# 97
45) 1,1'-Biphenyl	9.31	154	81568	5.41	ng	94
48) Acenaphthylene	9.75	152	424921	22.69	ng	100
57) Fluorene	10.43	166	129416	10.09	ng	98
70) Phenanthrene	11.39	178	400007	21.88	ng	99
71) Anthracene	11.44	178	107057	5.85	ng	99
74) Fluoranthene	12.57	202	126145	7.01	ng	95
77) Pyrene	12.80	202	187315	11.05	ng	99
80) Benzo(a)anthracene	13.99	228	64914	4.73	ng	# 53
82) Chrysene	13.99	228	64914	4.75	ng	# 58
87) Benzo(b)fluoranthene	15.02	252	46982	3.23	ng	# 87
88) Benzo(k)fluoranthene	15.02	252	46982	3.89	ng	# 92
89) Benzo(a)pyrene	15.36	252	44636	3.66	ng	99

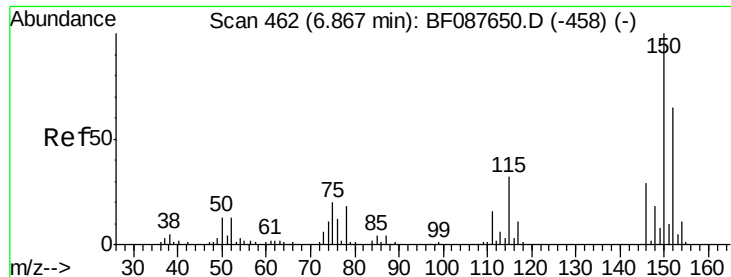
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087750.D
Acq On : 6 Jun 2016 14:13
Operator : UM/SJ
Sample : H3346-01 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Quant Time: Jun 06 16:03:15 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

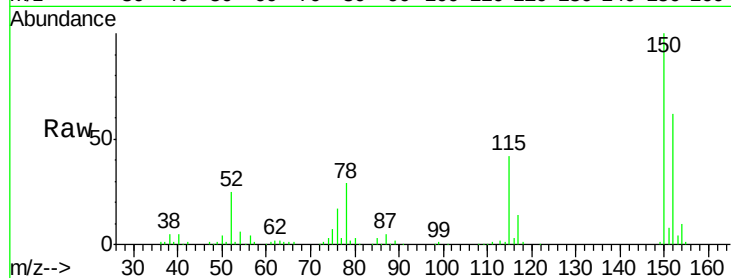
Tgt Ion:152 Resp: 99366

Ion Ratio Lower Upper

152 100

150 160.1 123.8 185.6

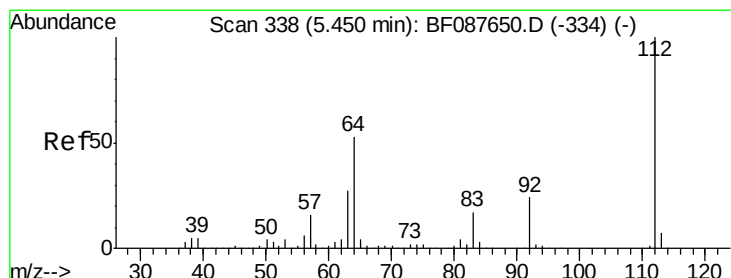
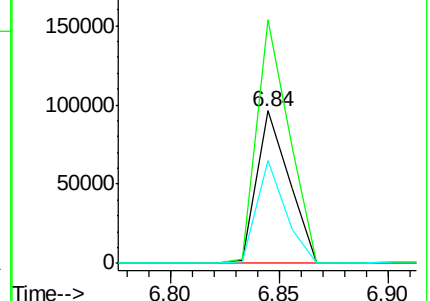
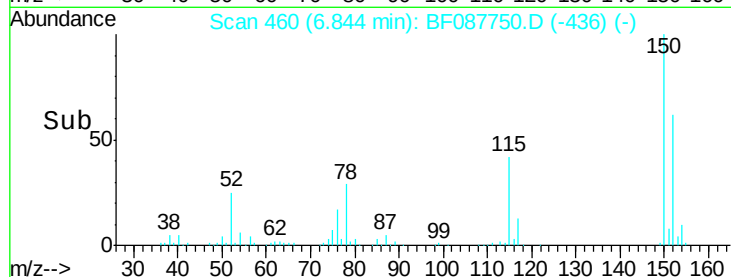
115 67.5 39.6 59.4#



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: 1.29 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.01 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

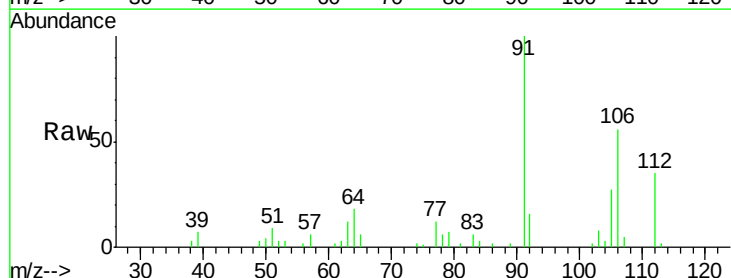
Tgt Ion:112 Resp: 7951

Ion Ratio Lower Upper

112 100

64 50.7 42.2 63.2

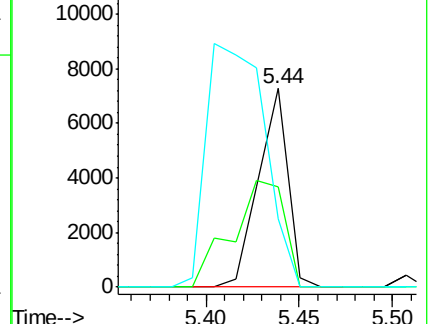
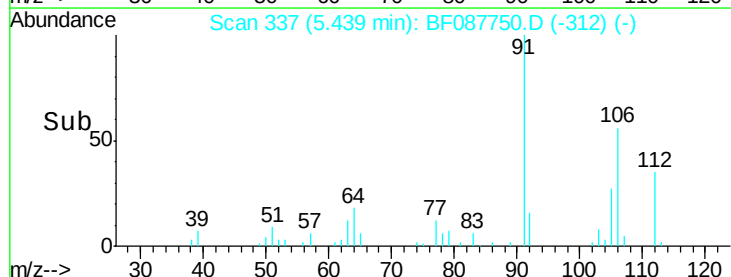
63 34.2 21.8 32.8#

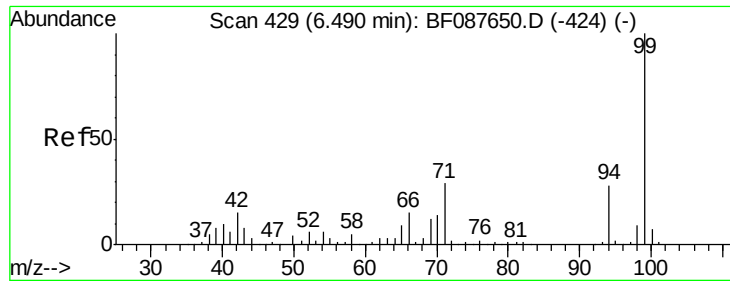


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.95 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

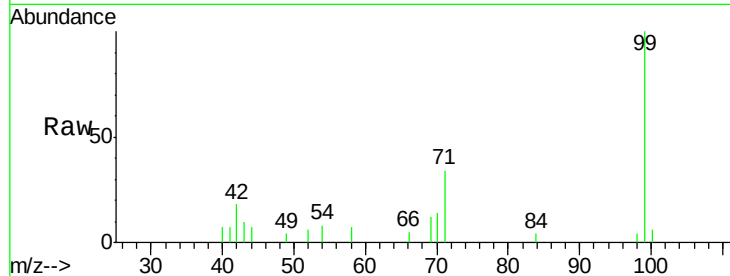
Tgt Ion: 99 Resp: 7321

Ion Ratio Lower Upper

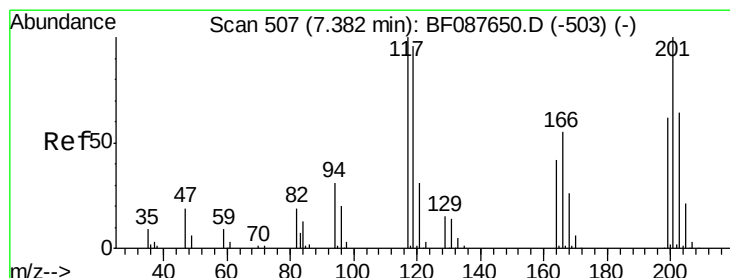
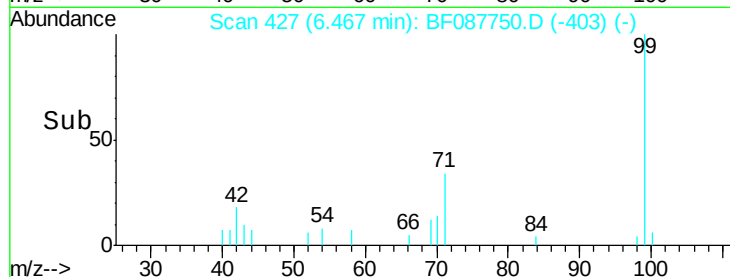
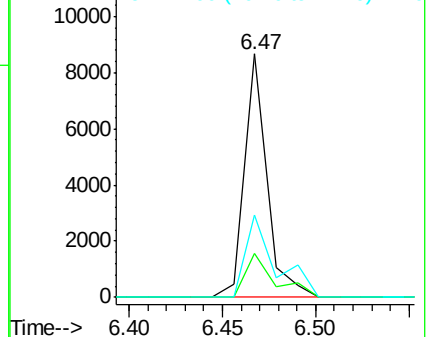
99 100

42 17.9 12.2 18.2

71 33.6 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



#18

Hexachloroethane

Concen: 4.78 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

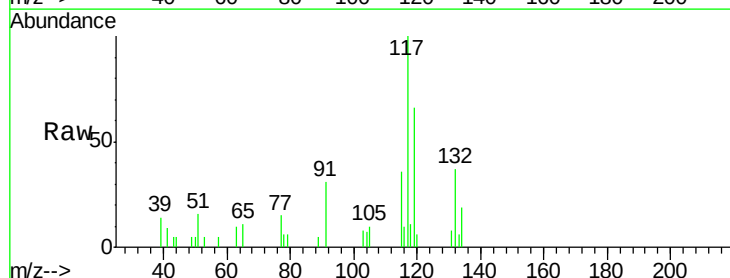
Tgt Ion: 117 Resp: 12693

Ion Ratio Lower Upper

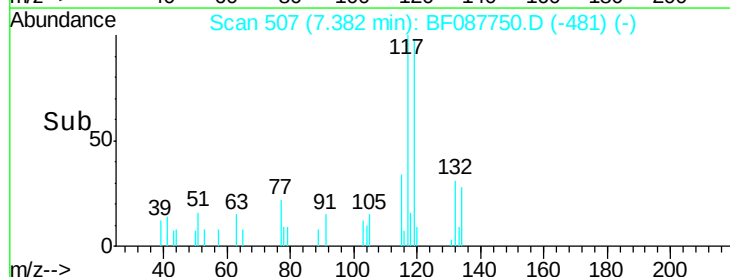
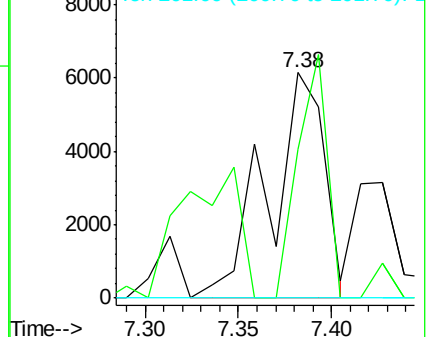
117 100

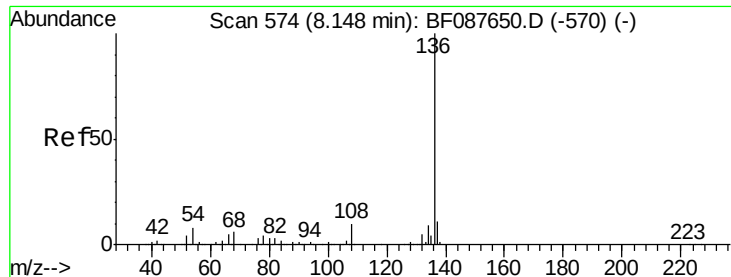
119 66.3 77.4 116.2#

201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

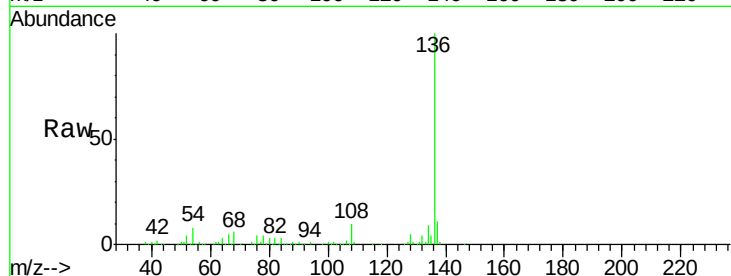




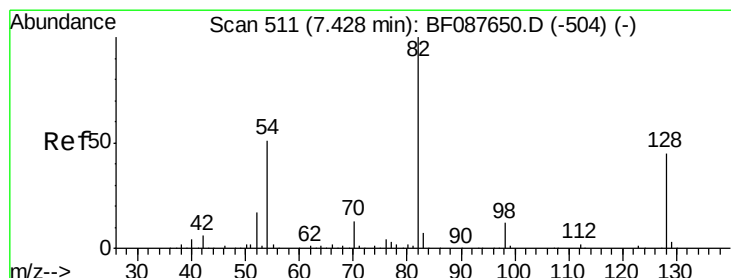
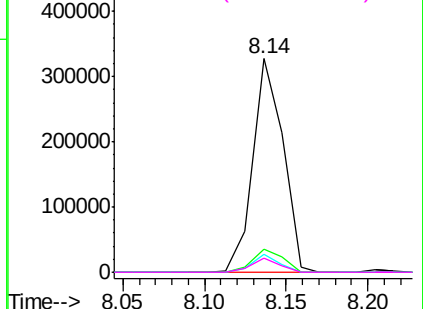
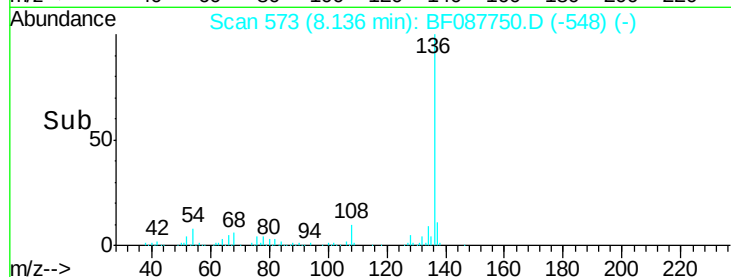
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tgt Ion:	136	Resp:	420676
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.1	6.6	10.0
68	6.4	5.1	7.7

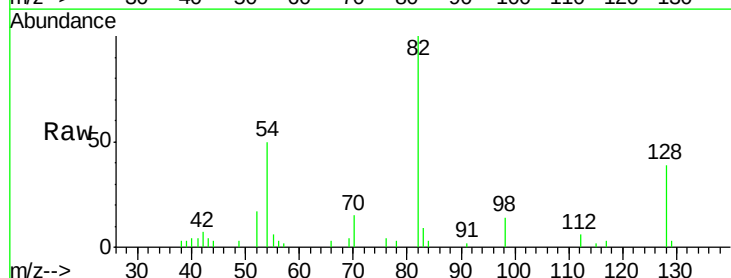


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

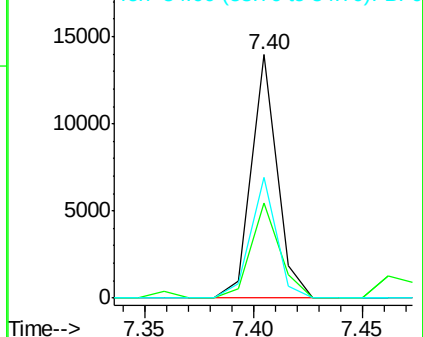
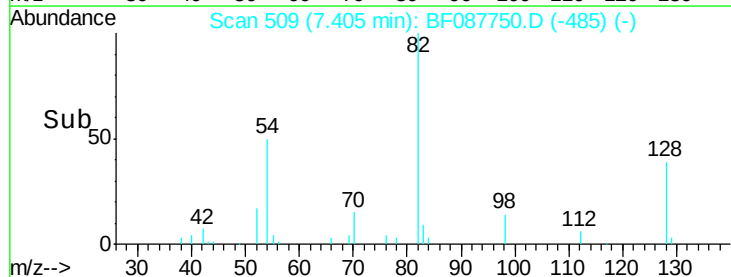


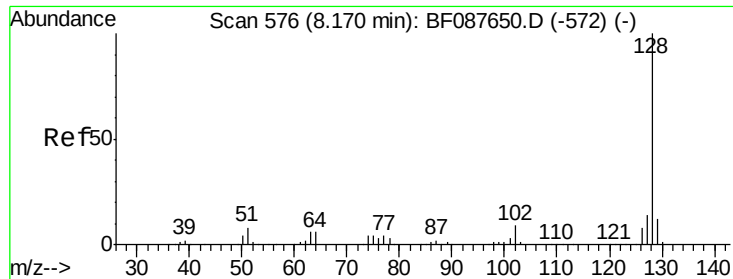
#23
Nitrobenzene-d5
Concen: 1.59 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.02 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Tgt Ion:	82	Resp:	11550
Ion	Ratio	Lower	Upper
82	100		
128	38.9	35.9	53.9
54	49.7	40.9	61.3



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

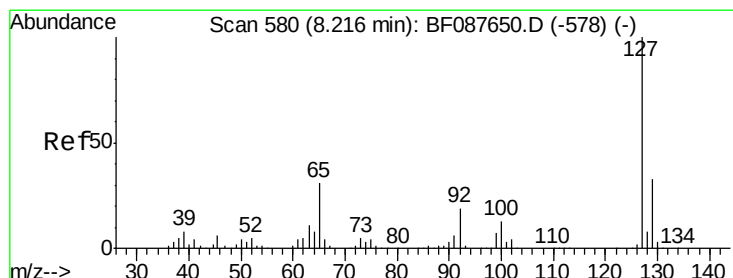
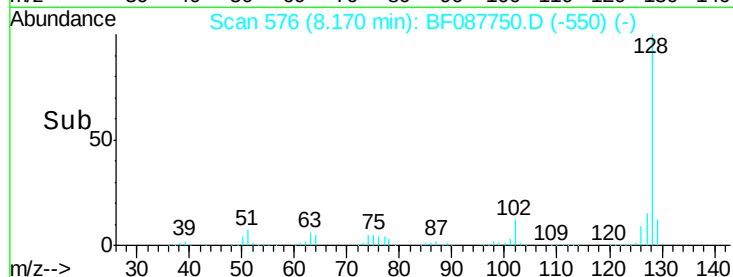
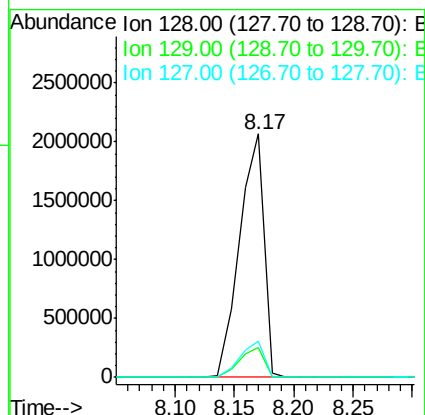
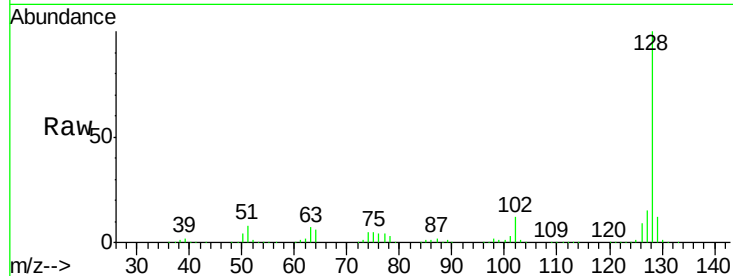




#31
Naphthalene
Concen: 145.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

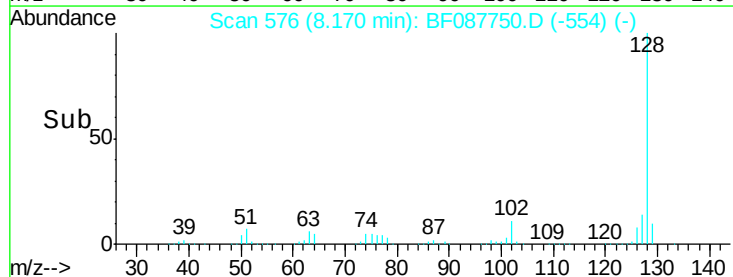
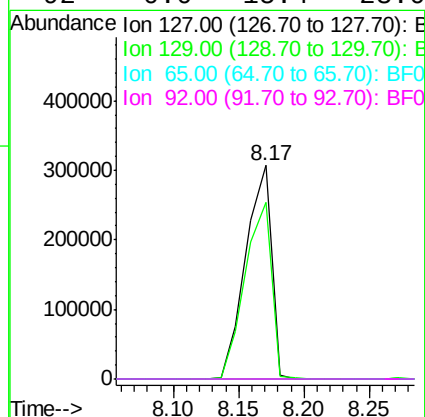
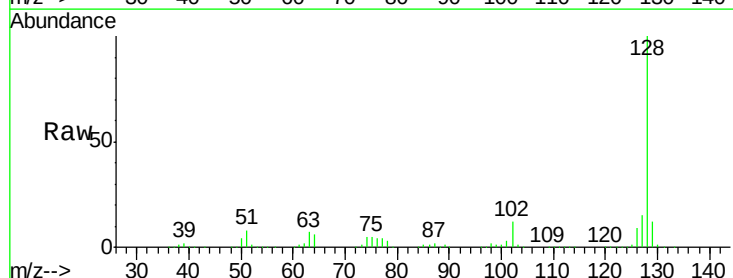
Instrument :
BNA_F
ClientSampleId :
WC-201605A

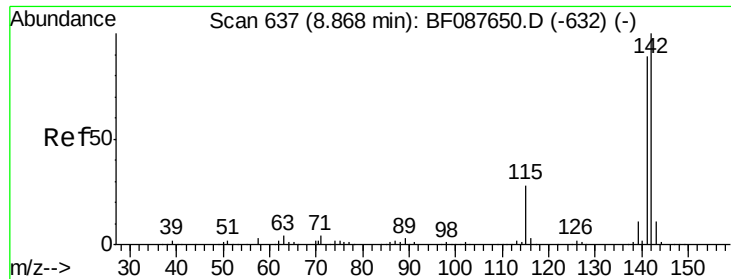
Tgt Ion:128 Resp: 2965810
Ion Ratio Lower Upper
128 100
129 12.3 9.4 14.2
127 14.9 10.9 16.3



#33
4-Chloroaniline
Concen: 47.82 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.05 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Tgt Ion:127 Resp: 424889
Ion Ratio Lower Upper
127 100
129 82.7 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#

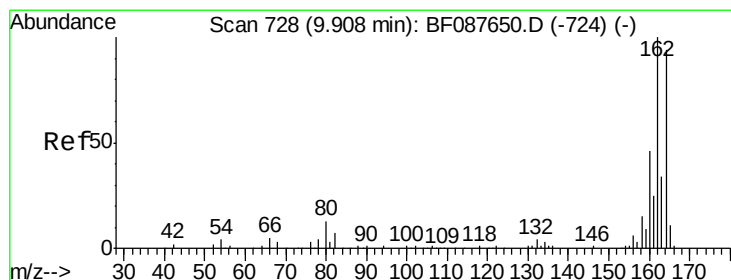
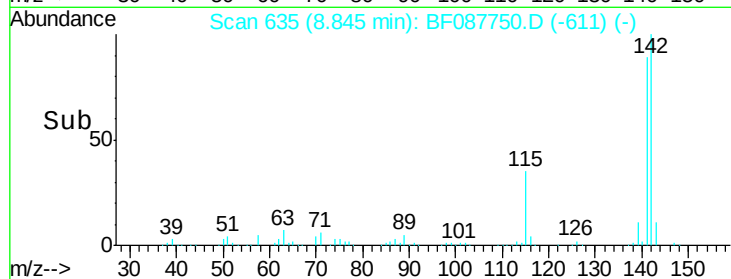
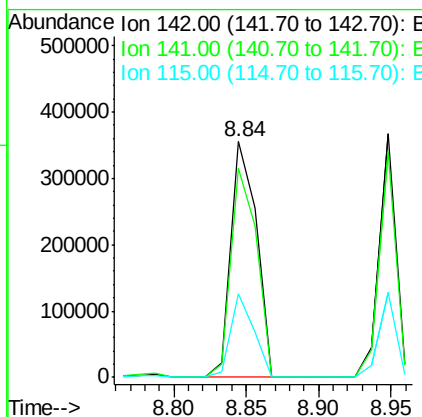
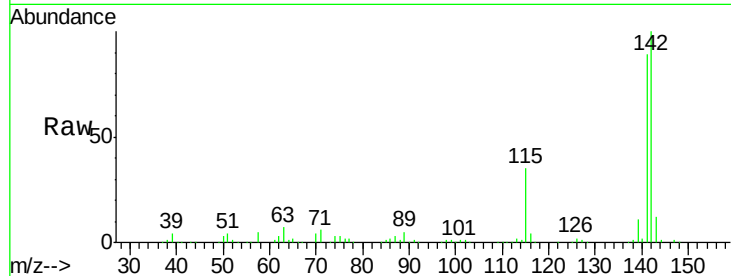




#37
 2-Methylnaphthalene
 Concen: 32.34 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.02 min
 Lab File: BF087750.D
 Acq: 6 Jun 2016 14:13

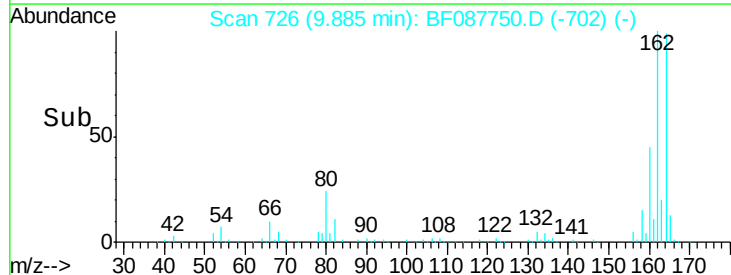
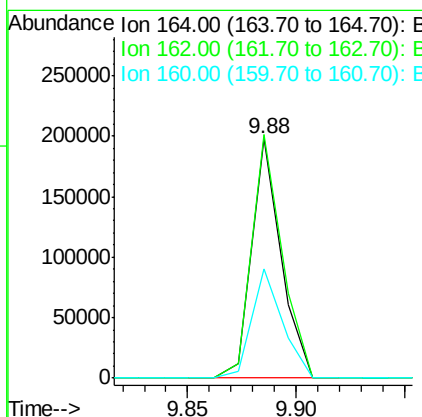
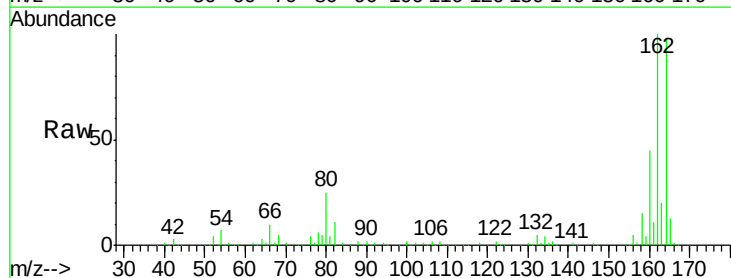
Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

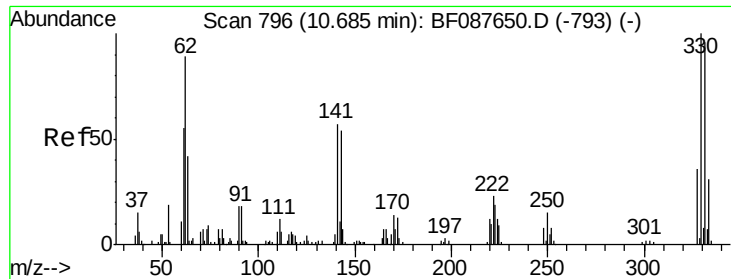
Tgt Ion:142 Resp: 436773
 Ion Ratio Lower Upper
 142 100
 141 88.7 71.0 106.6
 115 35.2 22.6 33.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087750.D
 Acq: 6 Jun 2016 14:13

Tgt Ion:164 Resp: 185916
 Ion Ratio Lower Upper
 164 100
 162 101.6 85.4 128.2
 160 45.8 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 2.02 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

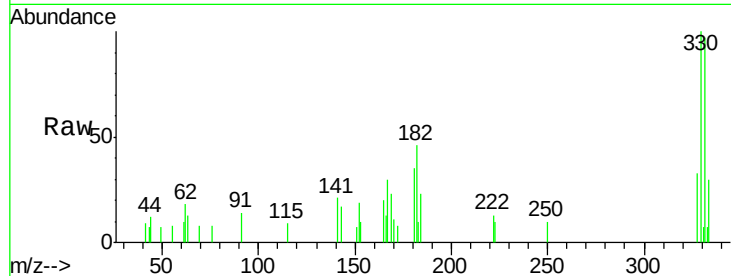
Tgt Ion:330 Resp: 3776

Ion Ratio Lower Upper

330 100

332 98.4 0.0 0.0#

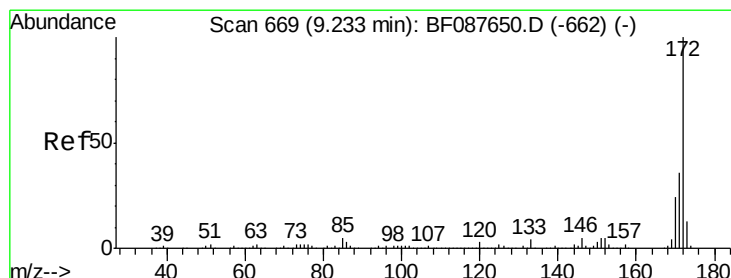
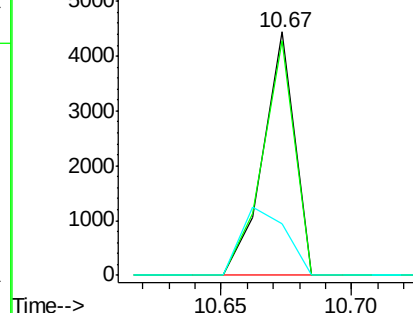
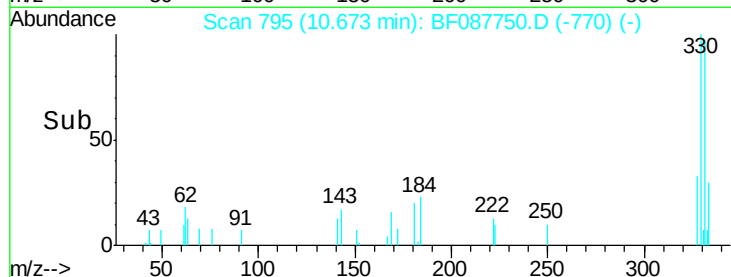
141 39.8 0.0 0.0#



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: 2.62 ng

RT: 9.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

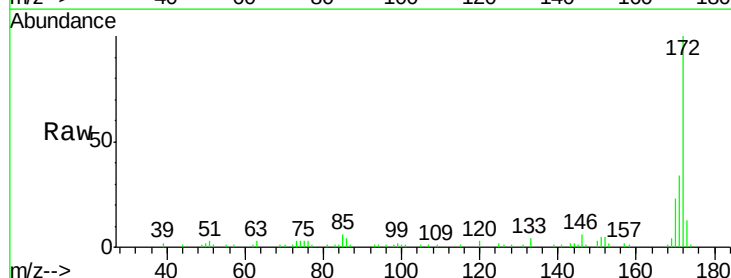
Tgt Ion:172 Resp: 37043

Ion Ratio Lower Upper

172 100

171 34.2 28.6 43.0

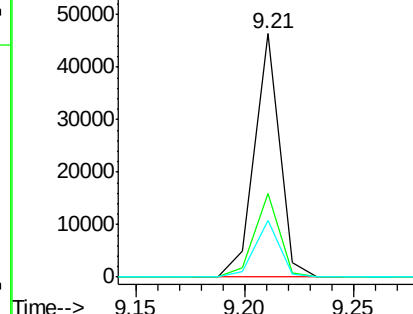
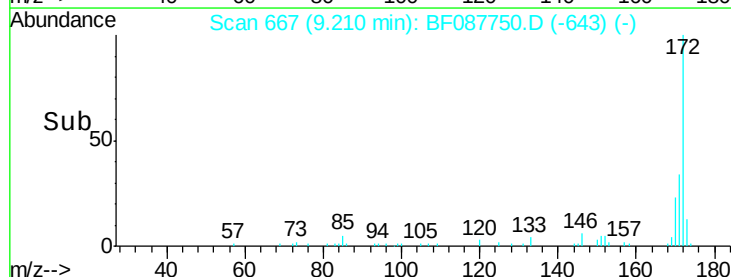
170 23.2 19.2 28.8

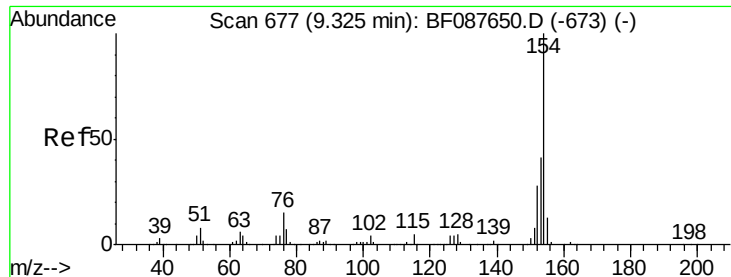


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 5.41 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

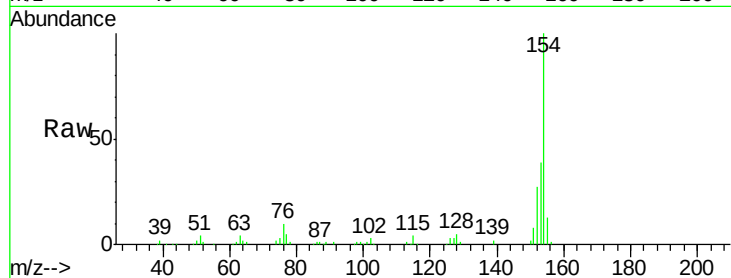
Tgt Ion:154 Resp: 81568

Ion Ratio Lower Upper

154 100

153 39.0 20.6 60.6

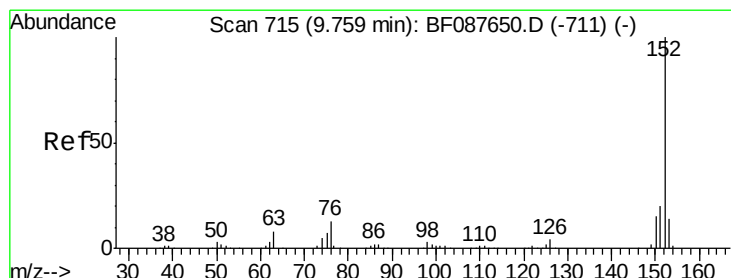
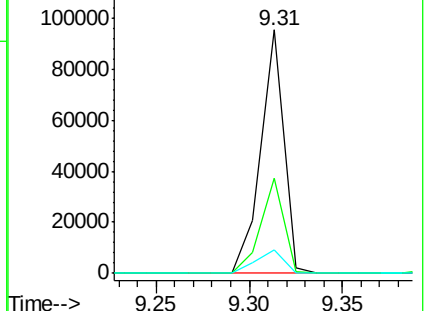
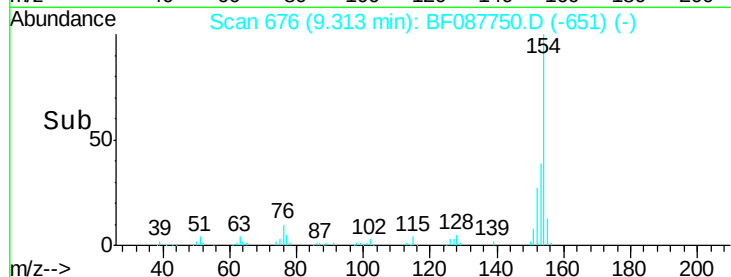
76 9.5 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 22.69 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

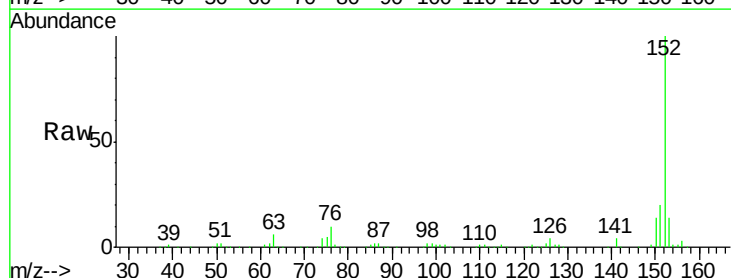
Tgt Ion:152 Resp: 424921

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

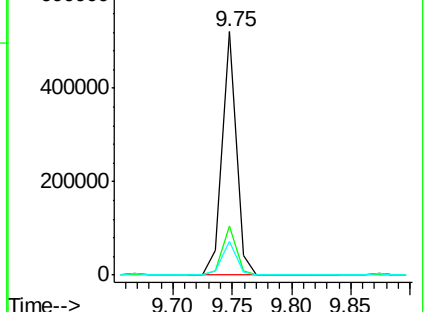
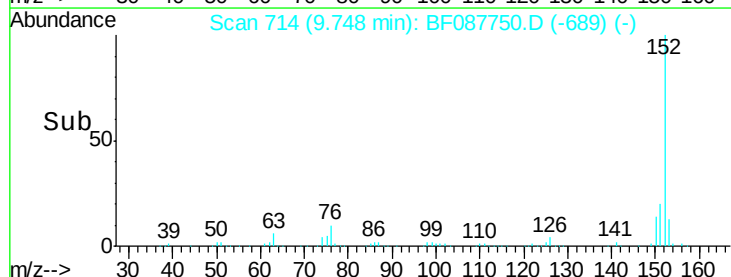
153 13.7 11.0 16.6

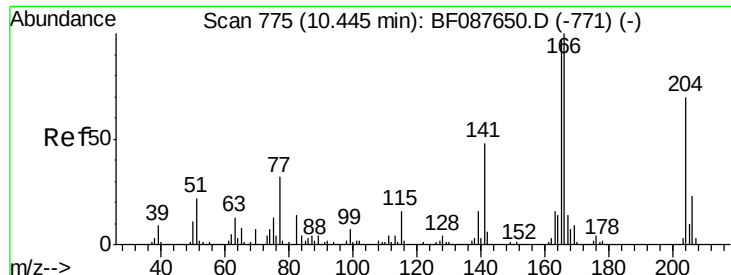


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

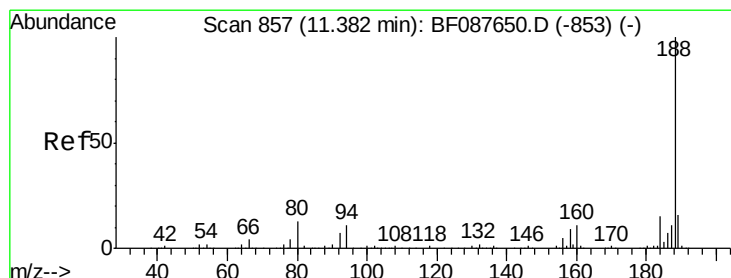
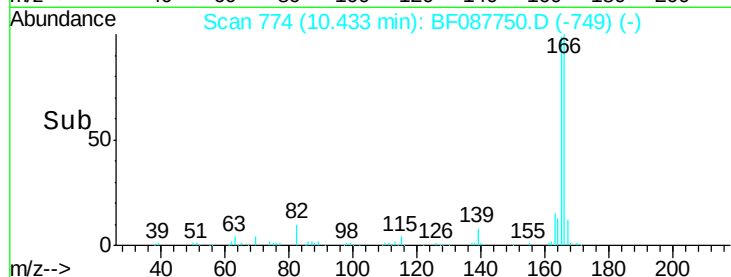
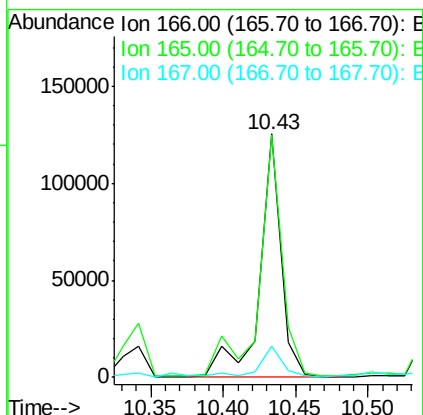
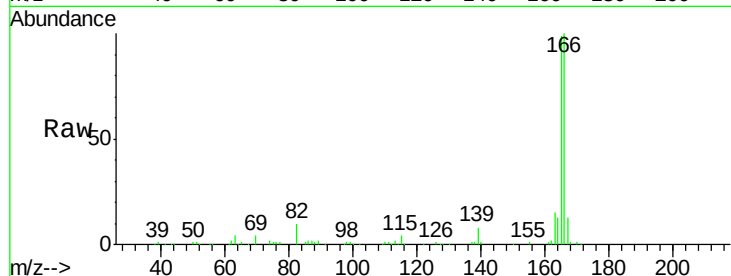




#57
Fluorene
 Concen: 10.09 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087750.D
 Acq: 6 Jun 2016 14:13

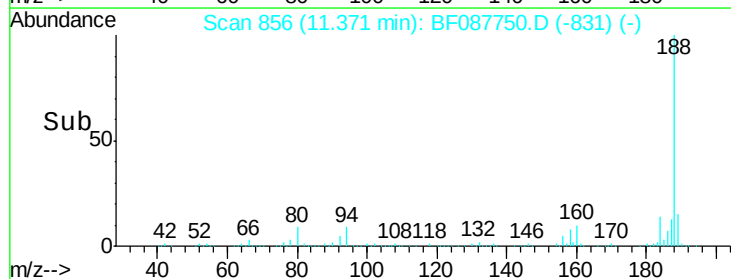
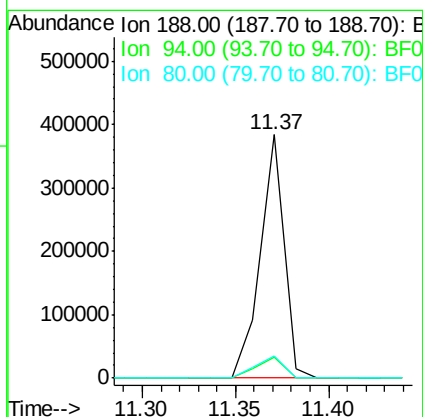
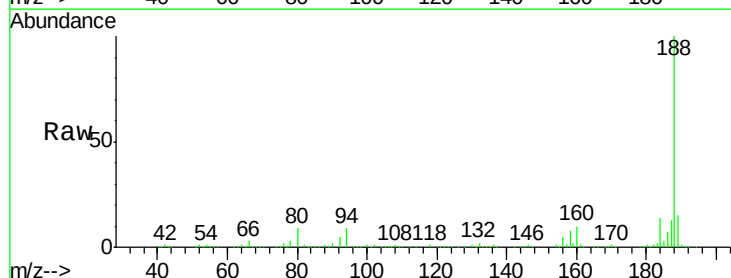
Instrument :
 BNA_F
 ClientSampleId :
 WC-201605A

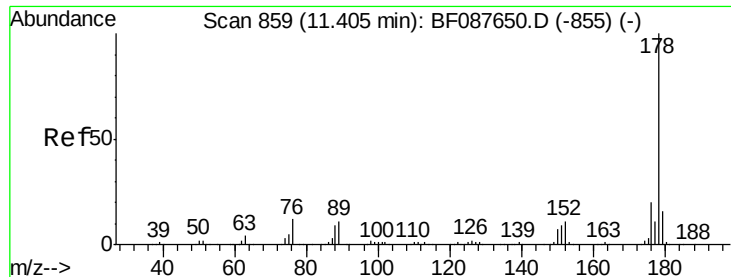
Tgt Ion:166 Resp: 129416
 Ion Ratio Lower Upper
 166 100
 165 99.4 77.8 116.8
 167 12.9 11.2 16.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087750.D
 Acq: 6 Jun 2016 14:13

Tgt Ion:188 Resp: 337131
 Ion Ratio Lower Upper
 188 100
 94 8.7 9.0 13.6#
 80 8.9 10.0 15.0#

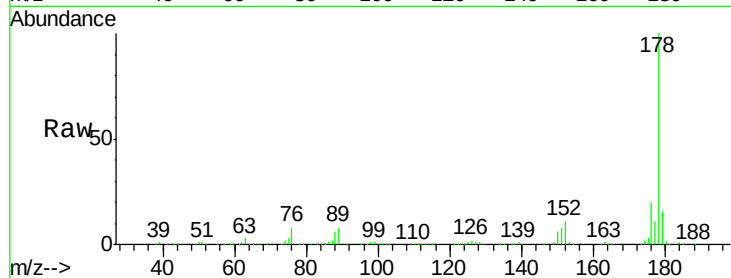




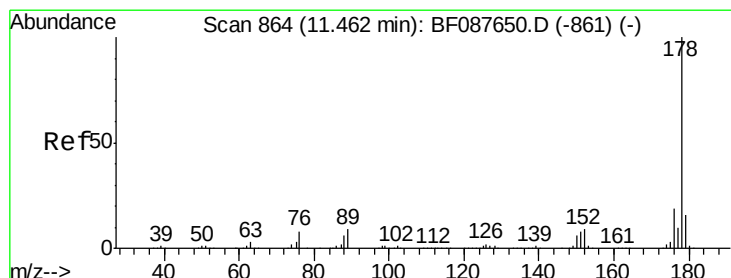
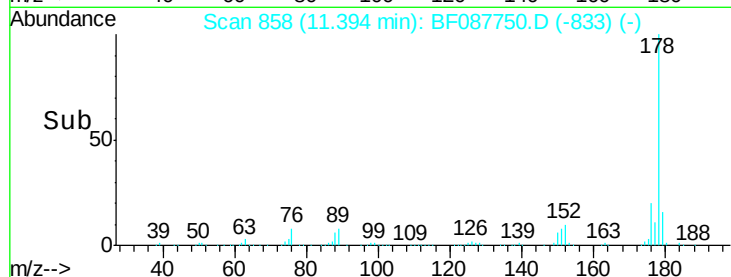
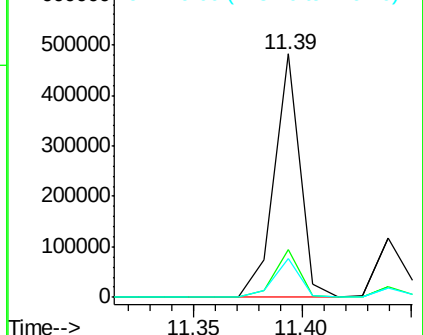
#70
Phenanthrene
Concen: 21.88 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tgt Ion:178 Resp: 400007
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.7 13.0 19.4

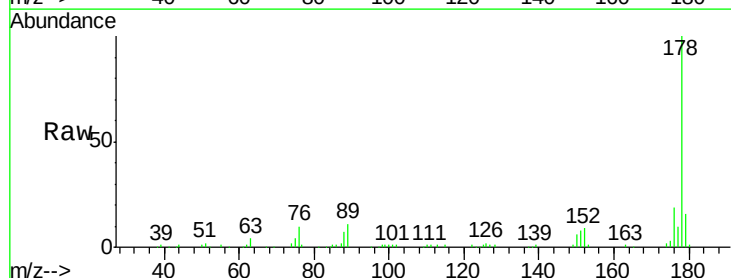


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

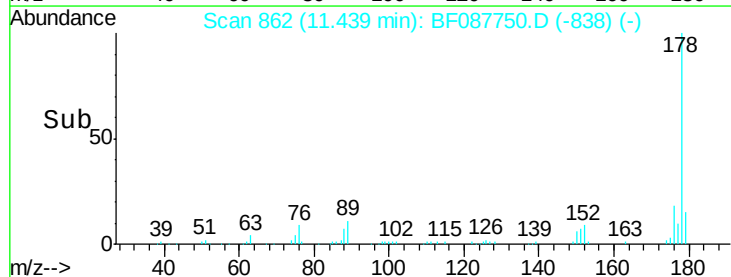
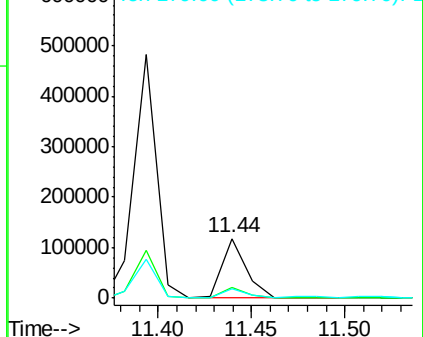


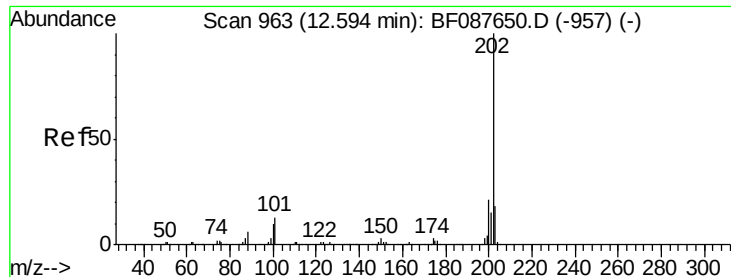
#71
Anthracene
Concen: 5.85 ng
RT: 11.44 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Tgt Ion:178 Resp: 107057
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.7 12.8 19.2



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: 7.01 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

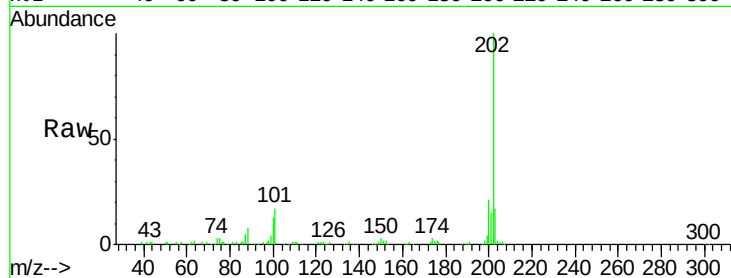
Tgt Ion:202 Resp: 126145

Ion Ratio Lower Upper

202 100

101 17.4 0.0 33.1

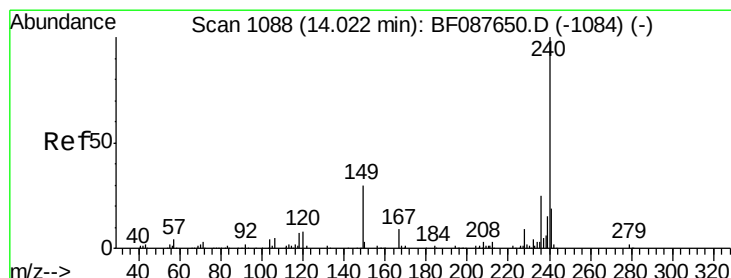
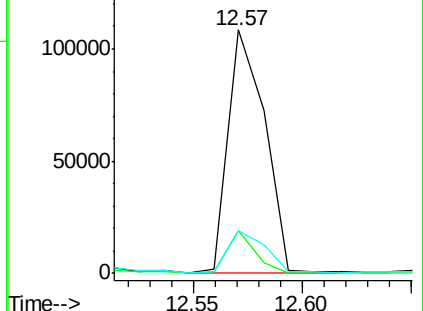
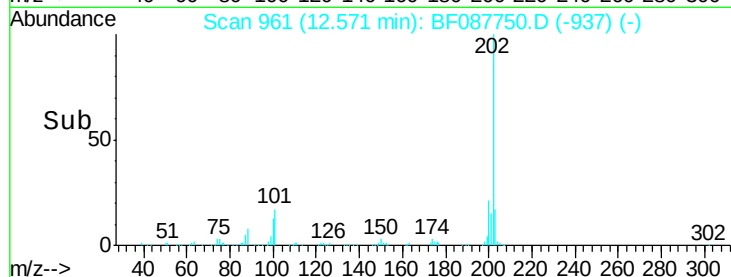
203 17.5 0.0 38.1



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: BF087750.D

Acq: 6 Jun 2016 14:13

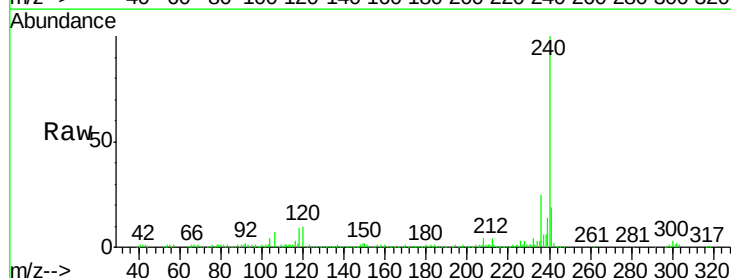
Tgt Ion:240 Resp: 238027

Ion Ratio Lower Upper

240 100

120 10.5 6.8 10.2#

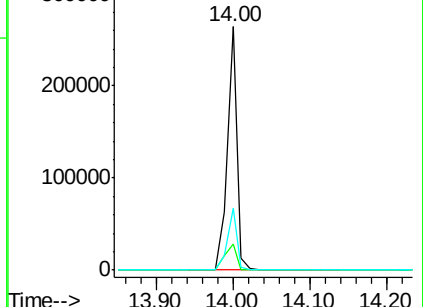
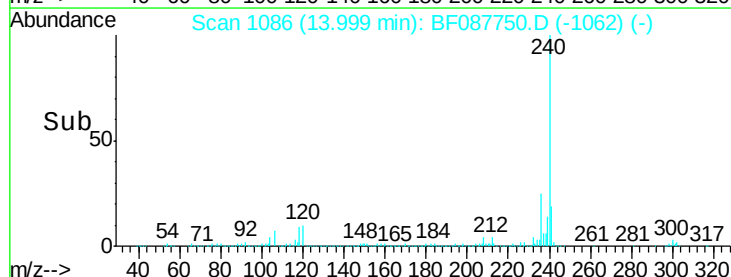
236 25.4 20.2 30.2

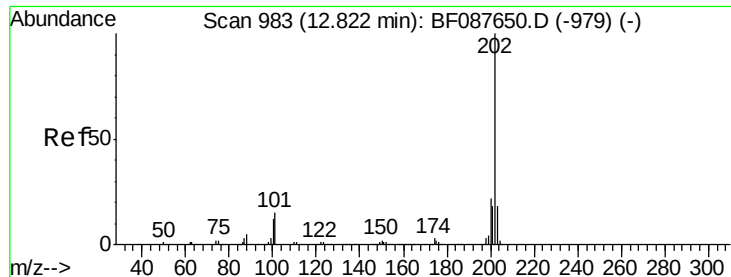


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.05 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

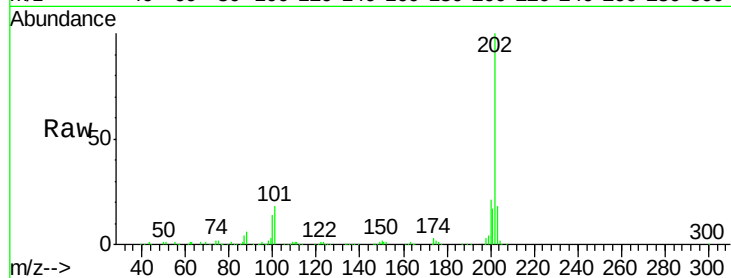
Tgt Ion:202 Resp: 187315

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

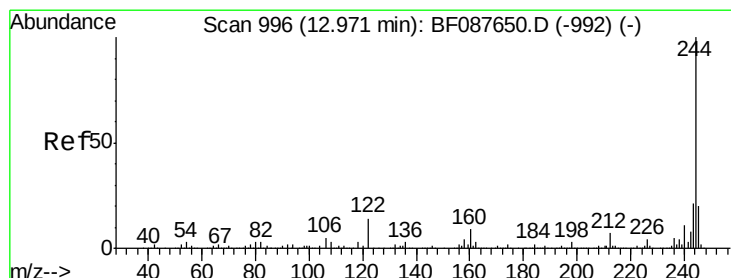
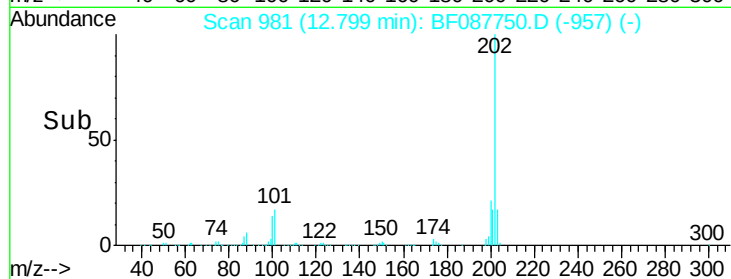
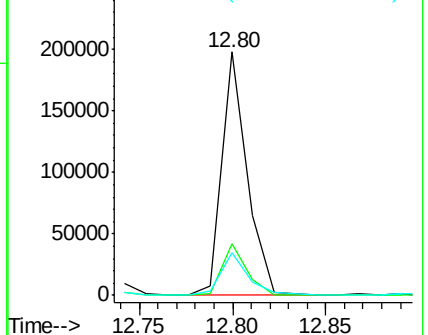
203 17.8 14.5 21.7



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: 2.45 ng

RT: 12.95 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

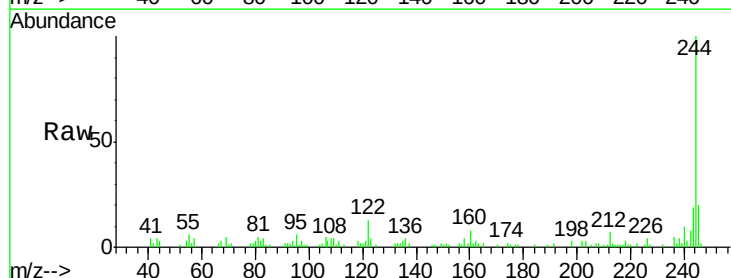
Tgt Ion:244 Resp: 23925

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

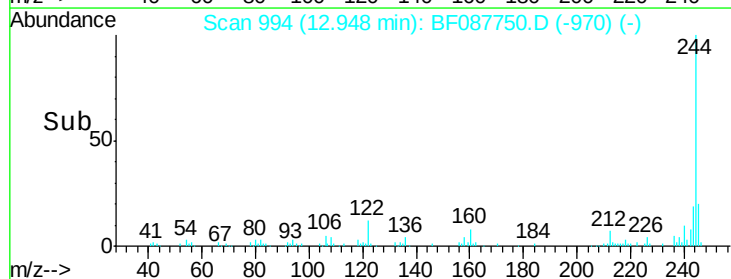
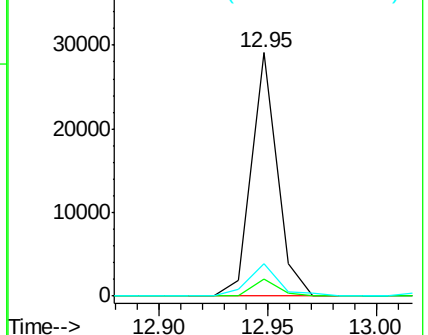
122 13.4 11.2 16.8

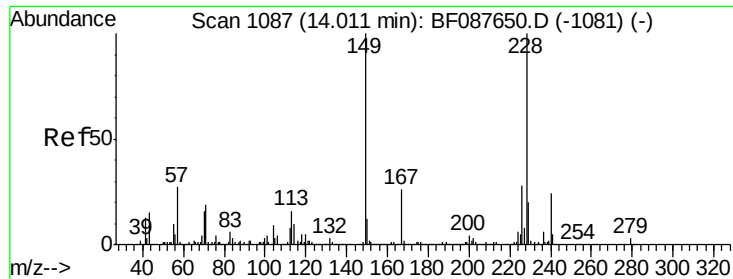


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.73 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

Instrument :

BNA_F

ClientSampleId :

WC-201605A

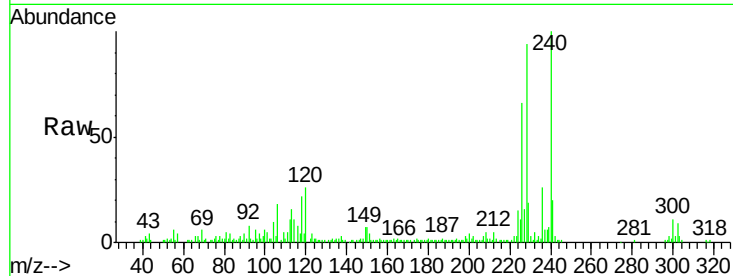
Tgt Ion:228 Resp: 64914

Ion Ratio Lower Upper

228 100

226 70.1 22.3 33.5#

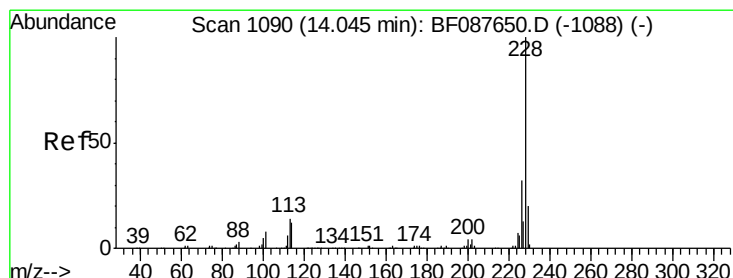
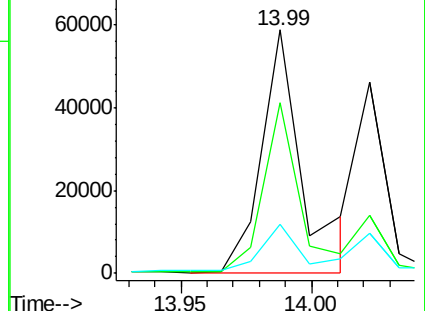
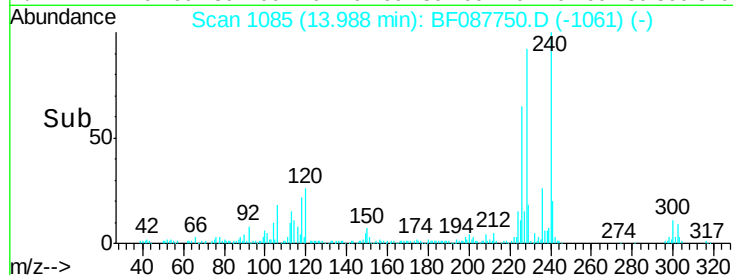
229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.75 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.06 min

Lab File: BF087750.D

Acq: 6 Jun 2016 14:13

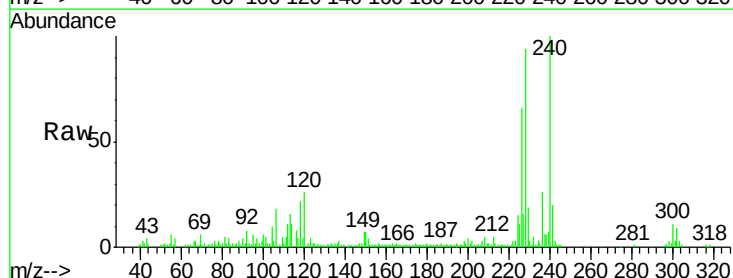
Tgt Ion:228 Resp: 64914

Ion Ratio Lower Upper

228 100

226 70.1 25.4 38.2#

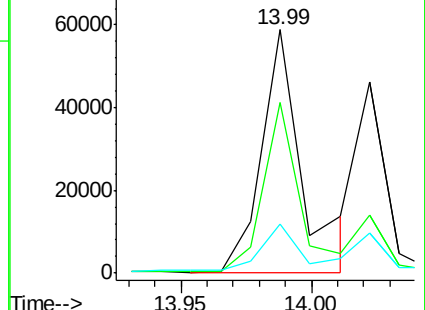
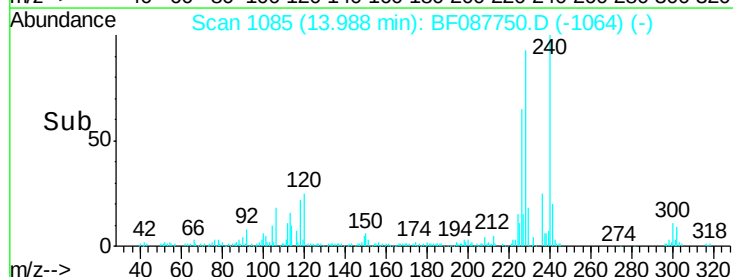
229 20.3 16.3 24.5

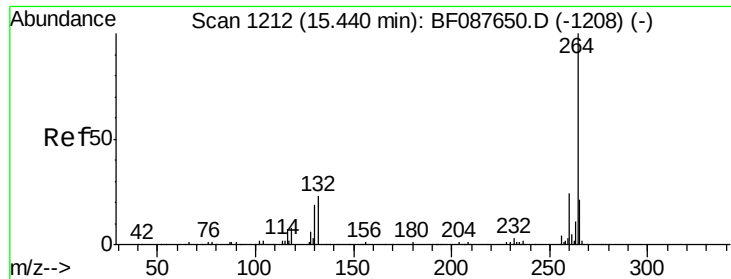


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

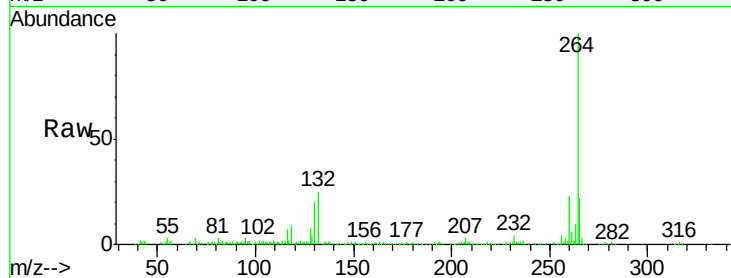




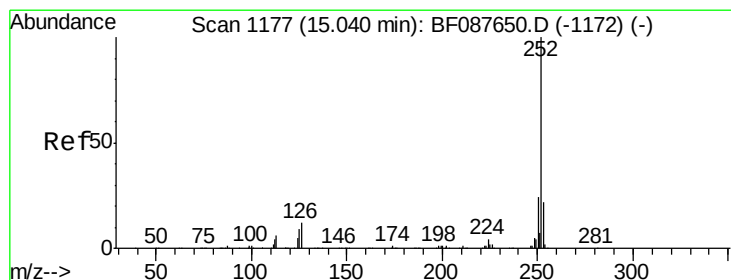
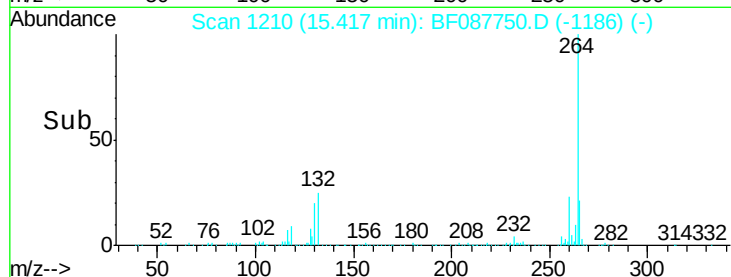
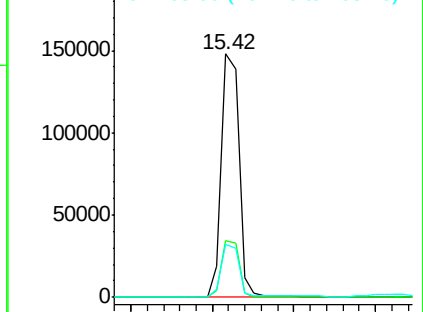
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. -0.02 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tgt Ion:264 Resp: 223274
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.7 16.9 25.3

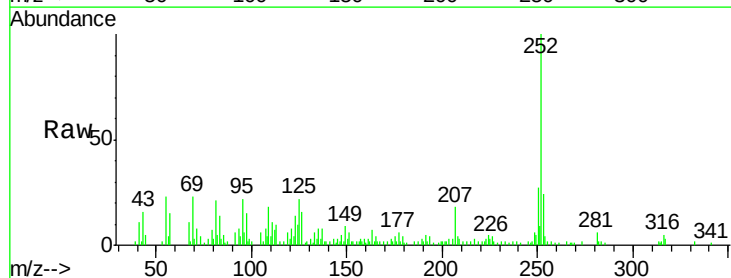


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

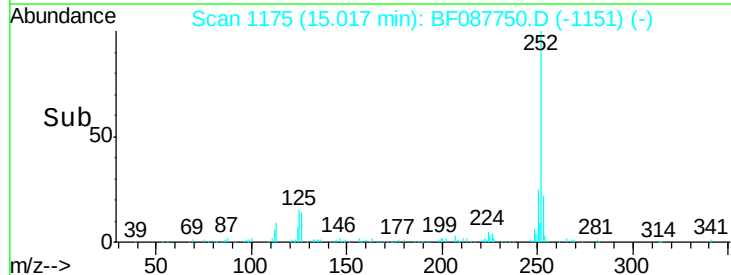
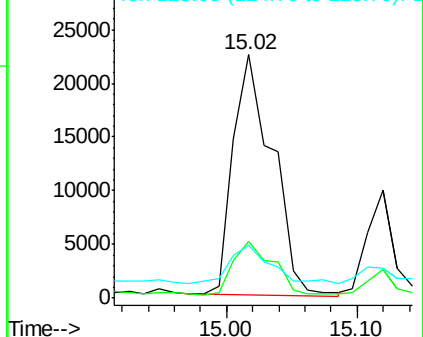


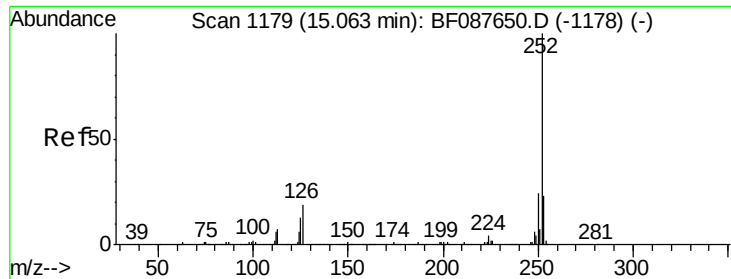
#87
Benzo(b)fluoranthene
Concen: 3.23 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Tgt Ion:252 Resp: 46982
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 21.5 7.1 10.7#



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

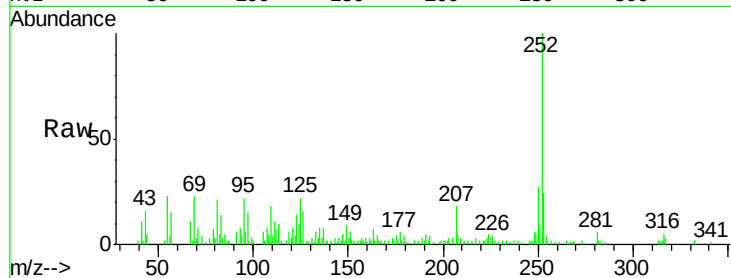




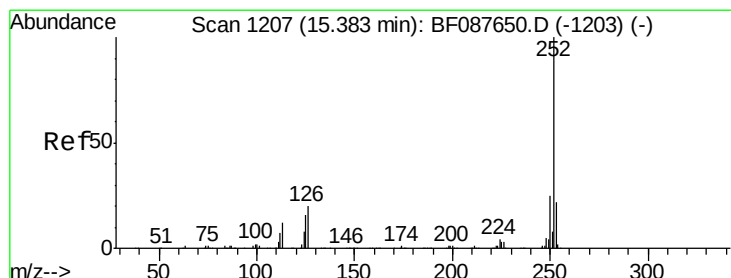
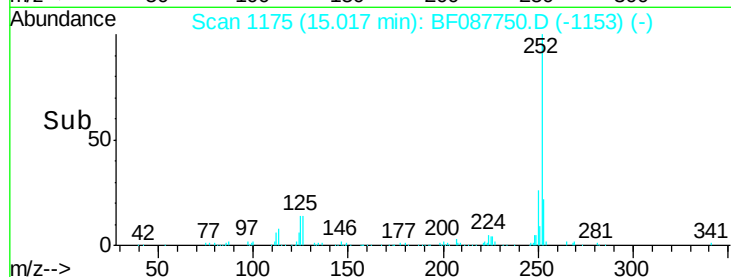
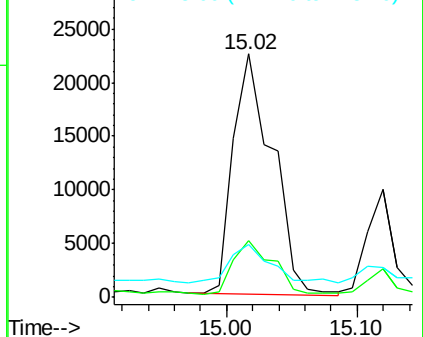
#88
Benzo(k)fluoranthene
Concen: 3.89 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Instrument :
BNA_F
ClientSampleId :
WC-201605A

Tgt Ion:252 Resp: 46982
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 21.5 11.2 16.8#

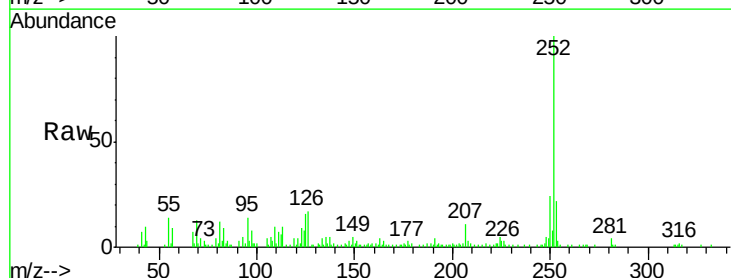


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.66 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF087750.D
Acq: 6 Jun 2016 14:13

Tgt Ion:252 Resp: 44636
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 15.9 12.5 18.7



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

