

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
 Data File : BF087857.D
 Acq On : 9 Jun 2016 17:28
 Operator : UM/SJ
 Sample : H3399-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Time: Jun 09 18:13:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

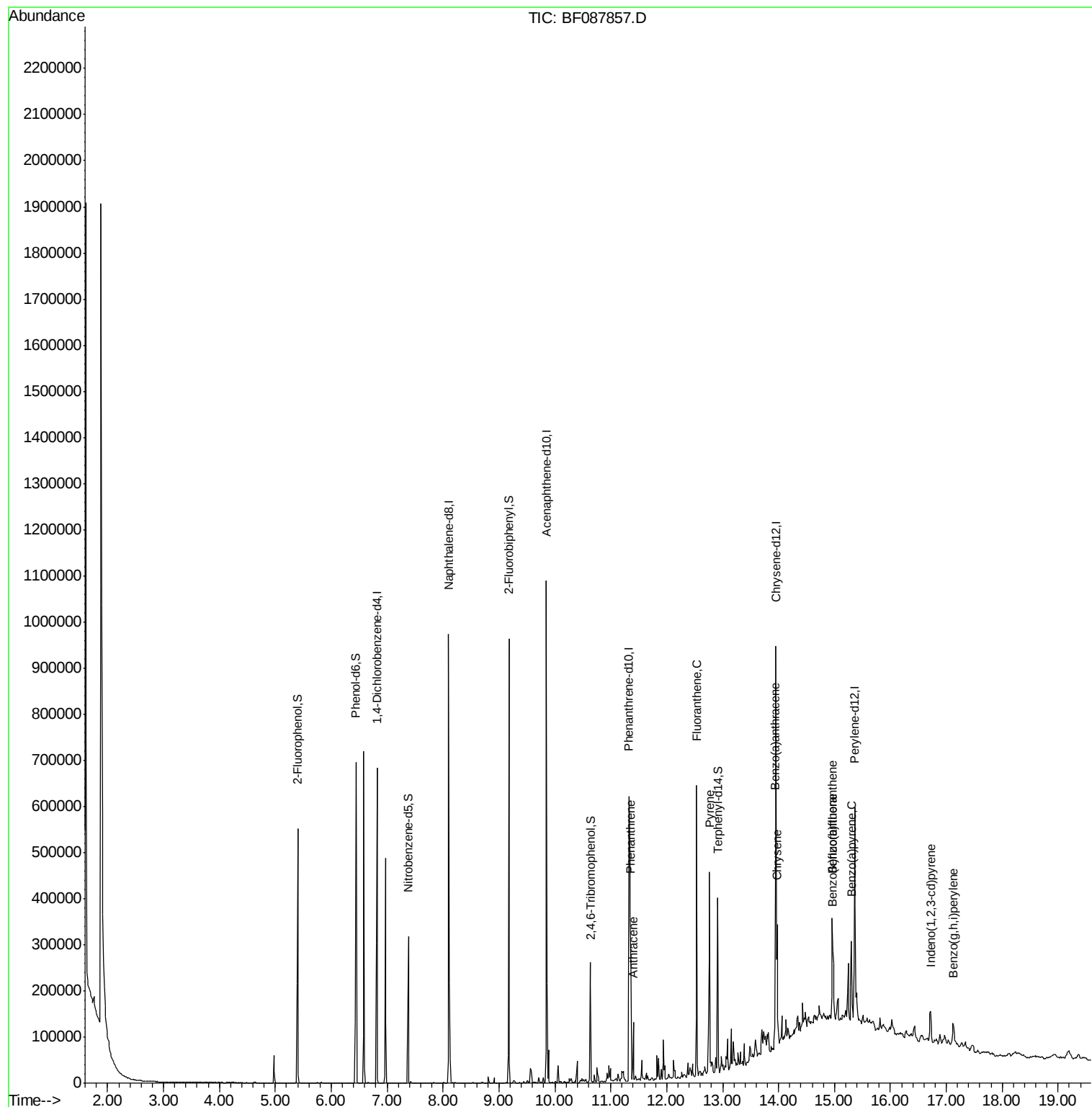
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	121267	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	428375	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	200166	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	310570	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	244771	20.00	ng	-0.03
86) Perylene-d12	15.36	264	211855	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	167164	23.57	ng	-0.02
7) Phenol-d6	6.44	99	223859	26.04	ng	-0.03
23) Nitrobenzene-d5	7.38	82	115249	15.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	43000	20.35	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	262973	16.15	ng	-0.03
78) Terphenyl-d14	12.91	244	157311	14.62	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.35	178	174586	10.71	ng	99
71) Anthracene	11.40	178	50387	3.07	ng	98
74) Fluoranthene	12.54	202	236751	13.77	ng	96
77) Pyrene	12.77	202	206749	11.38	ng	98
80) Benzo(a)anthracene	13.94	228	125613	9.01	ng	99
82) Chrysene	13.98	228	83441	6.36	ng	96
85) Indeno(1,2,3-cd)pyrene	16.72	276	42296	3.47	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	104879m	7.10	ng	
88) Benzo(k)fluoranthene	14.97	252	46554m	4.18	ng	
89) Benzo(a)pyrene	15.30	252	77952	6.52	ng	96
91) Benzo(g,h,i)perylene	17.12	276	40343	3.53	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

BNA_F

ClientSampled :

DUP-1

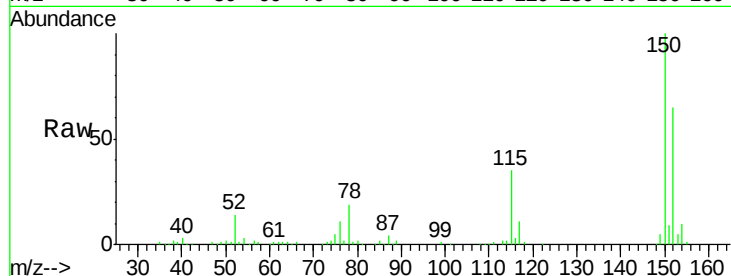
Tot Ion:152 Resp: 121267

Ion Ratio Lower Upper

152 100

150 153.6 123.8 185.6

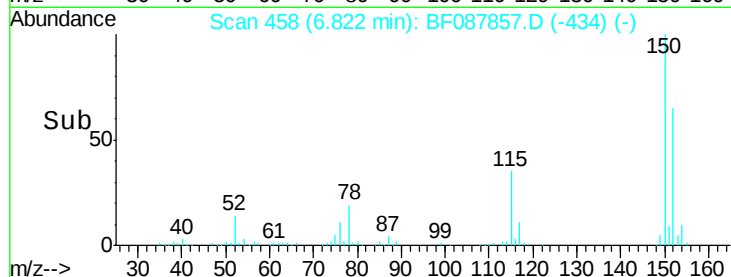
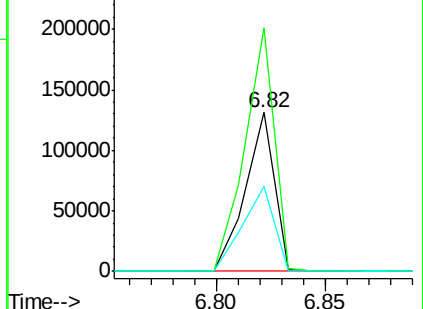
115 53.6 39.6 59.4



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: 23.57 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

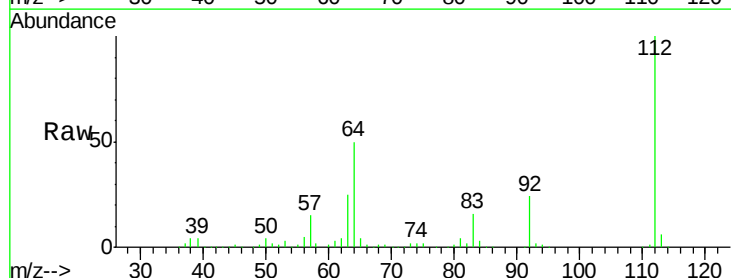
Tgt Ion:112 Resp: 167164

Ion Ratio Lower Upper

112 100

64 49.8 42.2 63.2

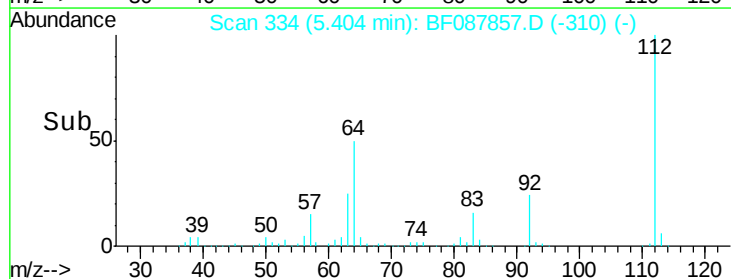
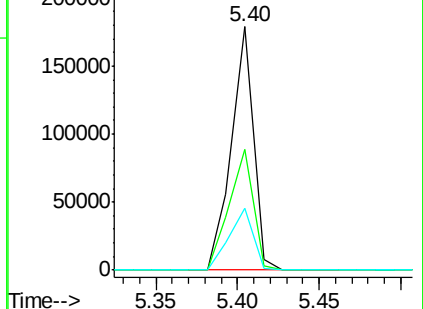
63 25.4 21.8 32.8



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: 26.04 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

BNA_F

ClientSampleId :

DUP-1

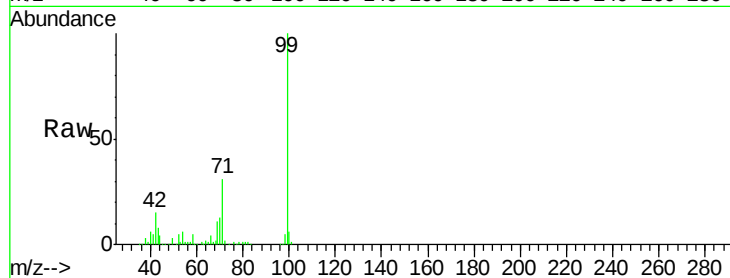
Tot Ion: 99 Resp: 223859

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

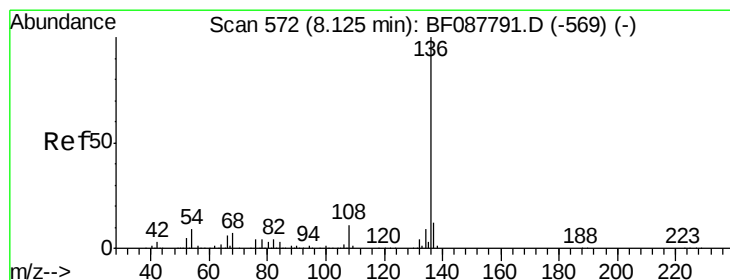
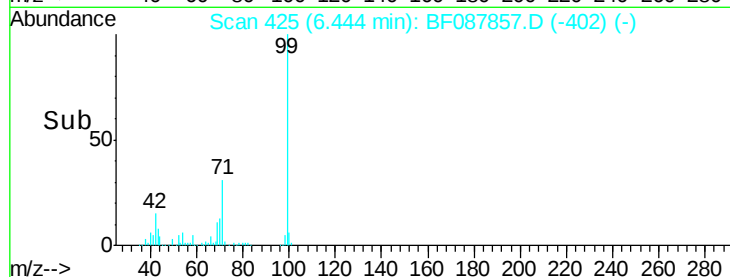
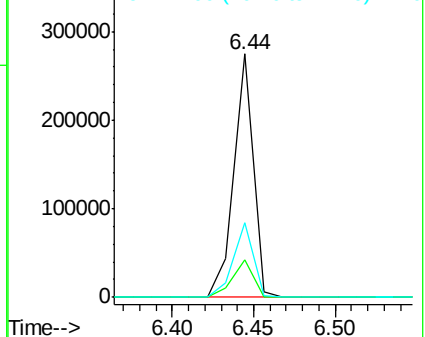
71 30.6 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Tgt Ion: 136 Resp: 428375

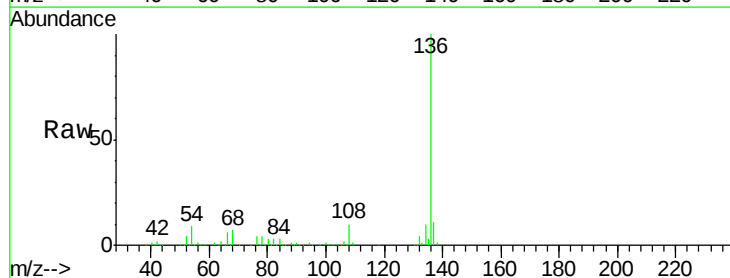
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.6 6.6 10.0

68 6.8 5.1 7.7

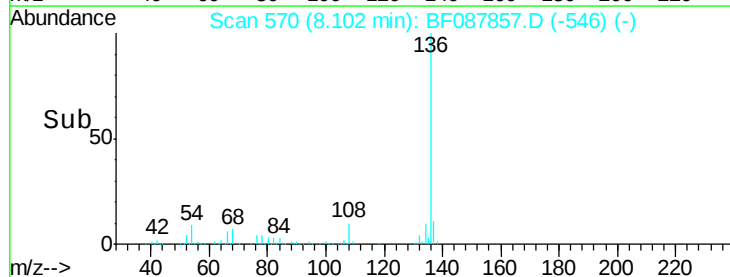
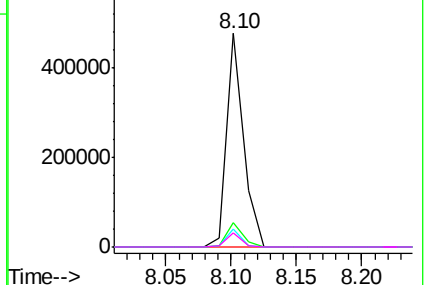


Abundance Ion 136.00 (135.70 to 136.70): E

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

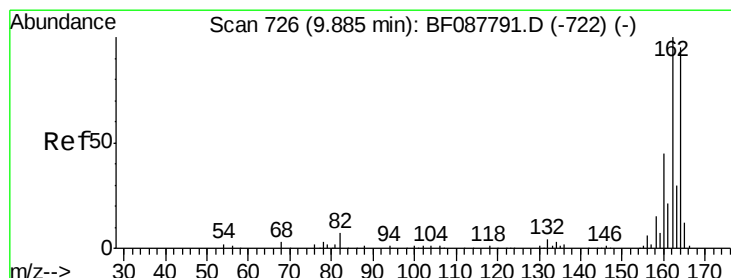
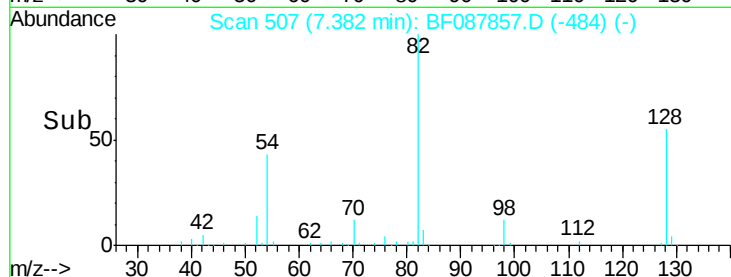
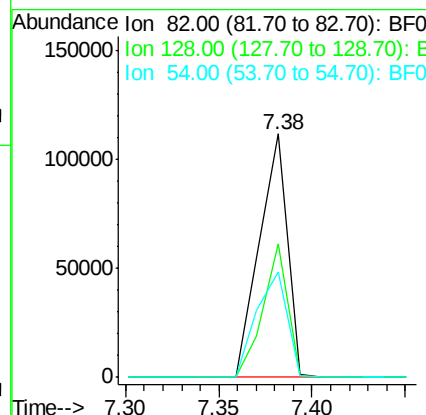
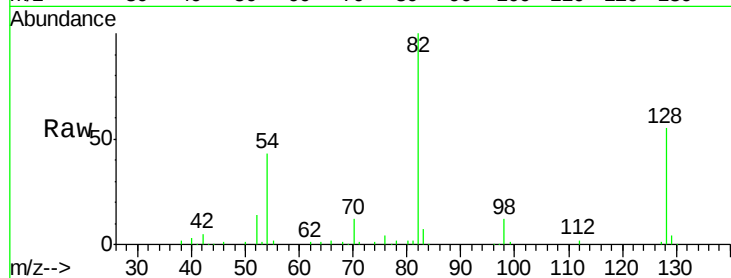




#23
Nitrobenzene-d5
Concen: 15.71 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

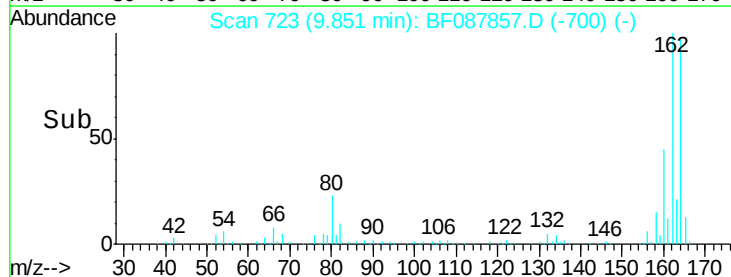
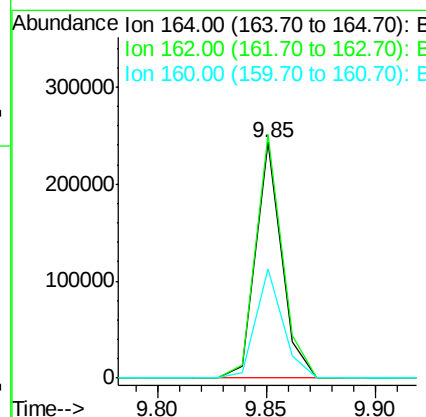
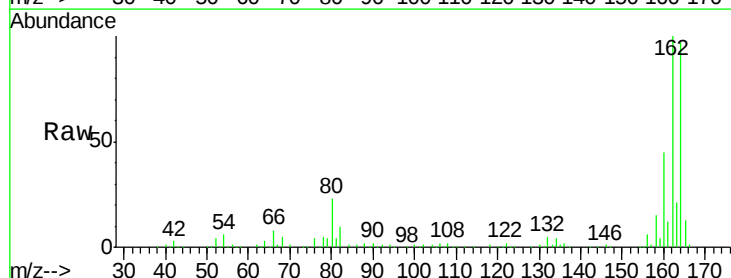
Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion: 82 Resp: 115249
Ion Ratio Lower Upper
82 100
128 54.6 35.9 53.9#
54 43.3 40.9 61.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Tgt Ion:164 Resp: 200166
Ion Ratio Lower Upper
164 100
162 103.4 85.4 128.2
160 46.1 39.5 59.3

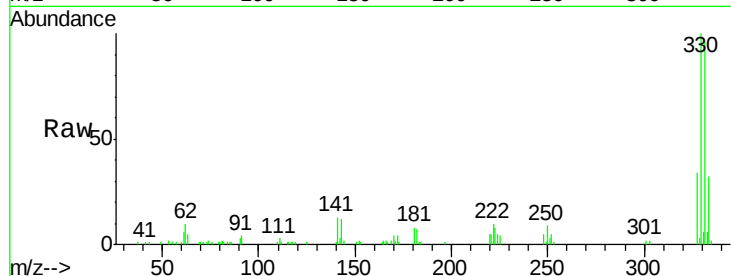




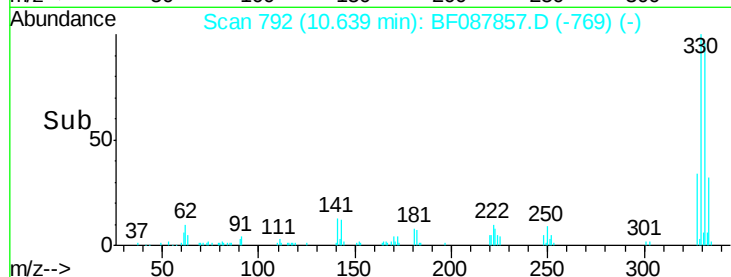
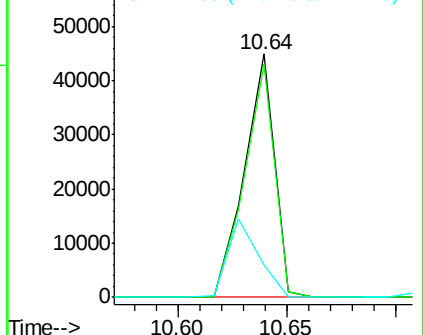
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087857.D
 Acq: 9 Jun 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion:330 Resp: 43000
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 33.2 0.0 0.0#

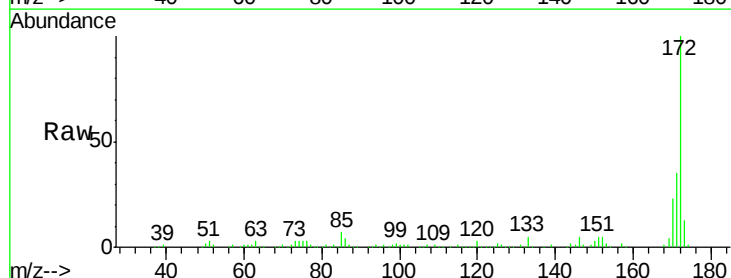


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

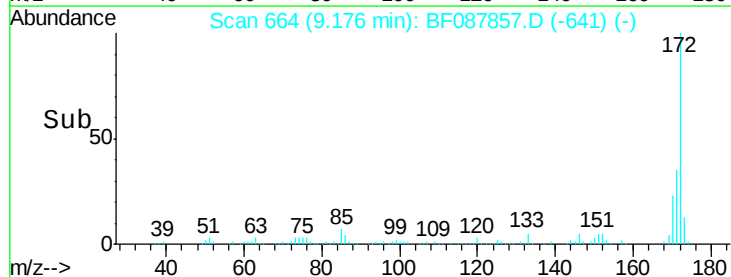
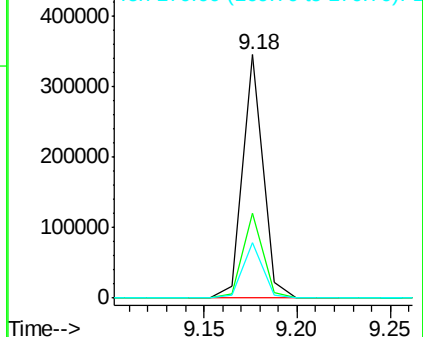


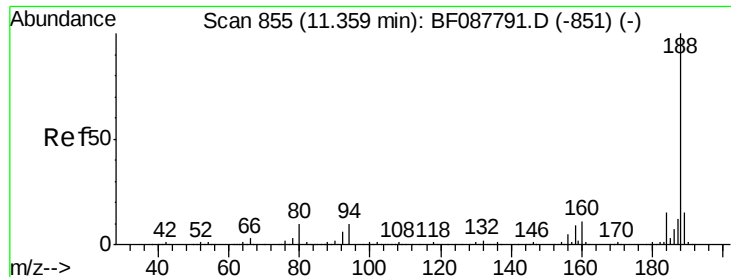
#44
 2-Fluorobiphenyl
 Concen: 16.15 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087857.D
 Acq: 9 Jun 2016 17:28

Tgt Ion:172 Resp: 262973
 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

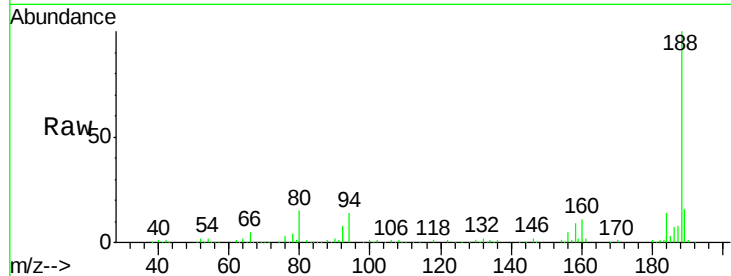




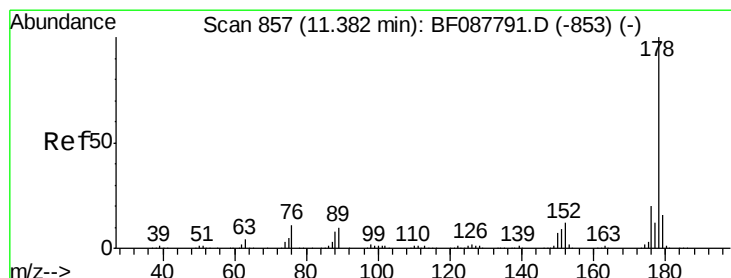
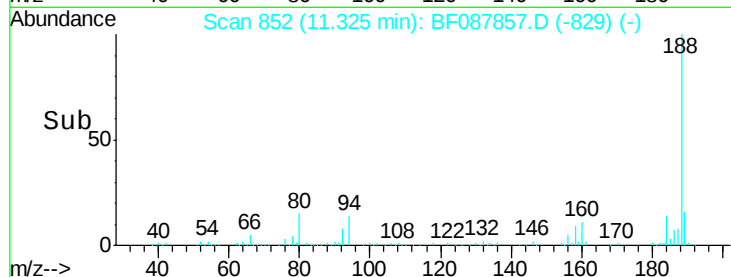
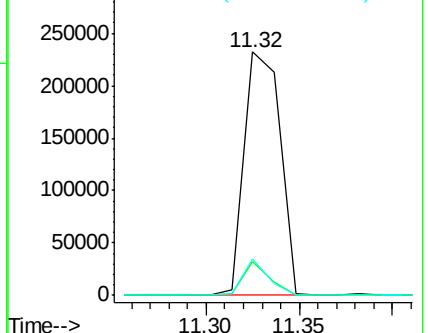
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion:188 Resp: 310570
Ion Ratio Lower Upper
188 100
94 13.8 9.0 13.6#
80 15.1 10.0 15.0#

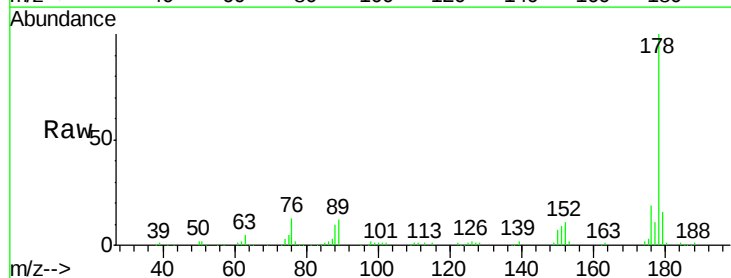


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

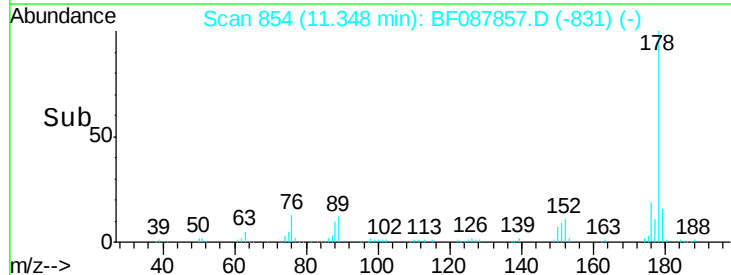
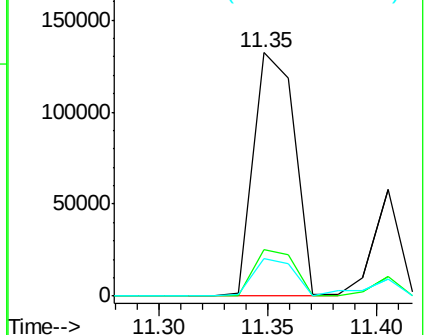


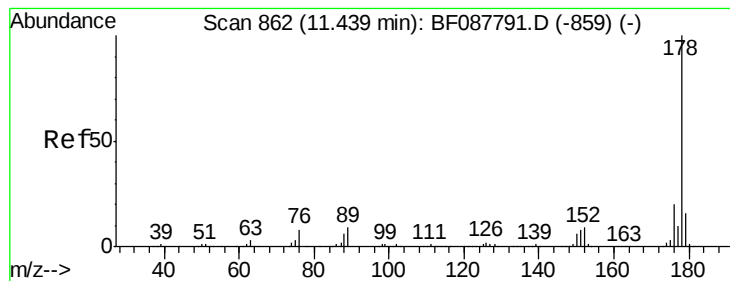
#70
Phenanthrene
Concen: 10.71 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Tgt Ion:178 Resp: 174586
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.6 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: 3.07 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

BNA_F

ClientSampleId :

DUP-1

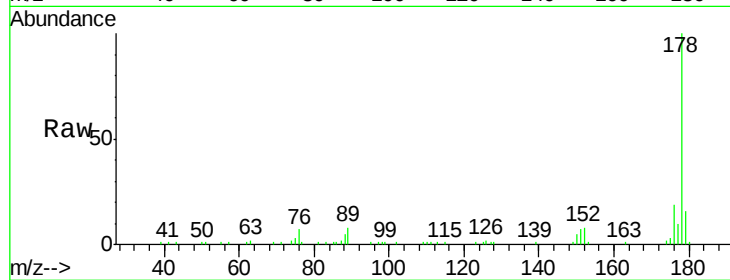
Tot Ion:178 Resp: 50387

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

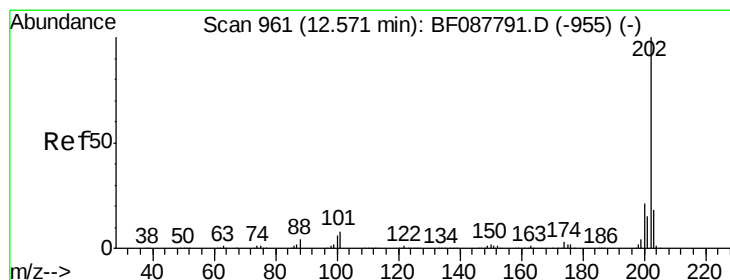
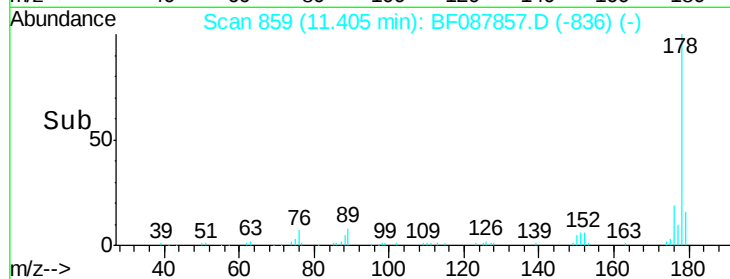
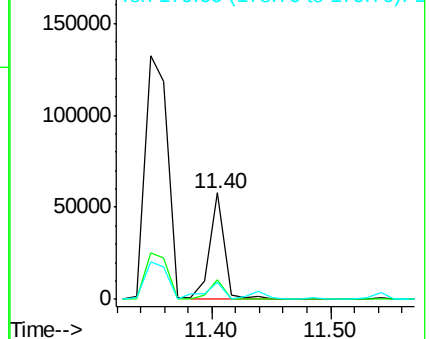
179 15.5 12.8 19.2



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: 13.77 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

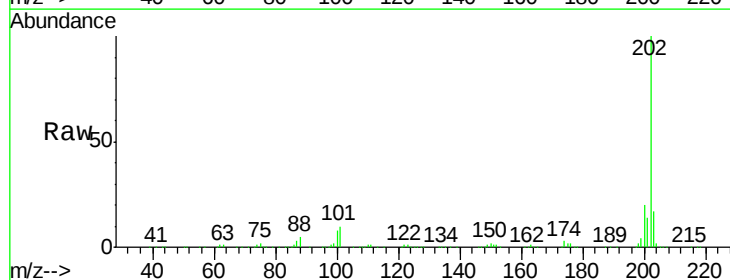
Tgt Ion:202 Resp: 236751

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.1

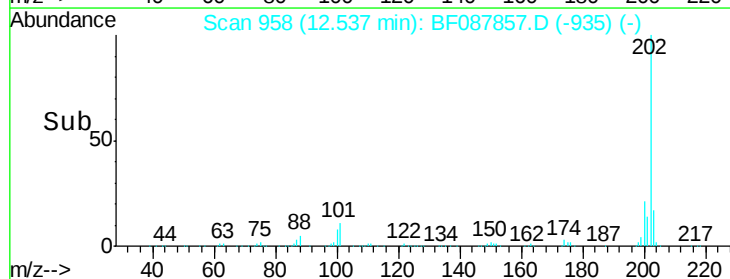
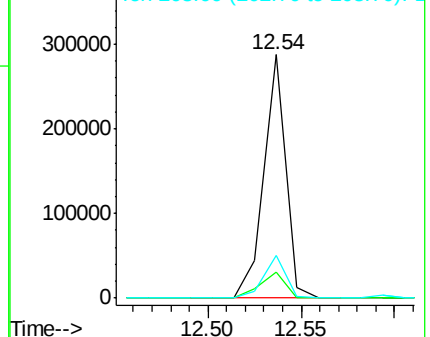
203 17.3 0.0 38.1

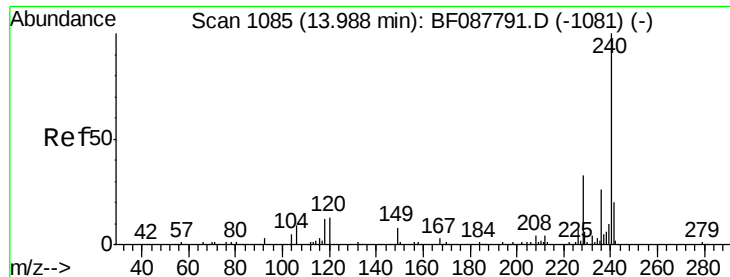


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

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ClientSampleId :

DUP-1

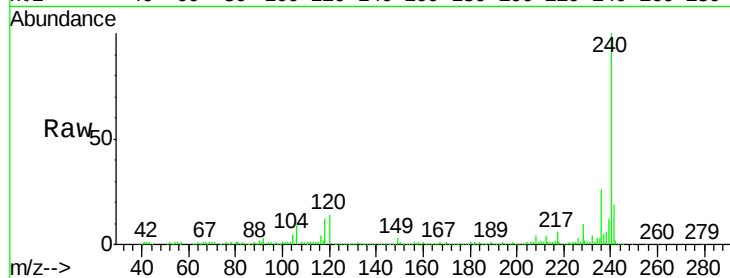
Tot Ion:240 Resp: 244771

Ion Ratio Lower Upper

240 100

120 13.9 6.8 10.2#

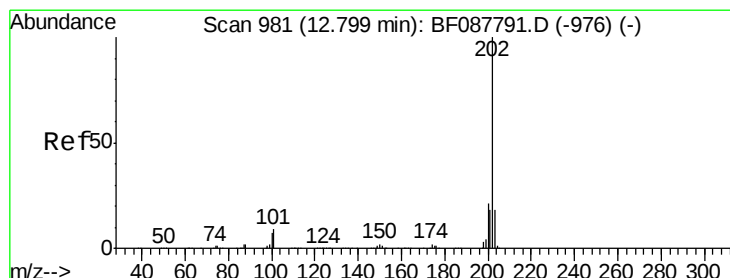
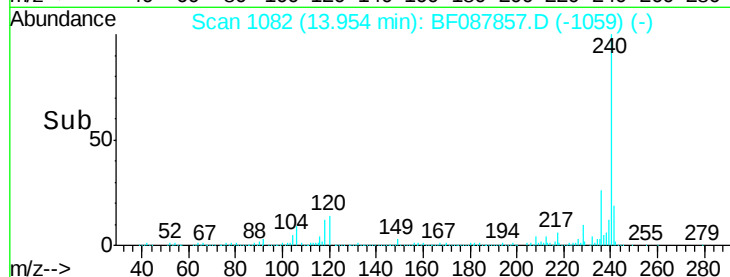
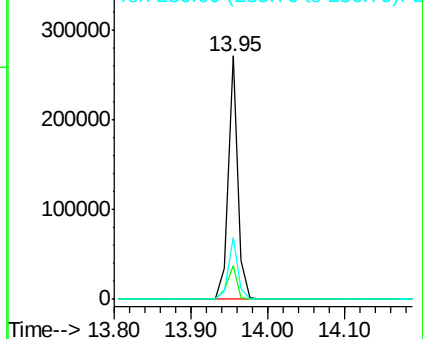
236 25.7 20.2 30.2



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: 11.38 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

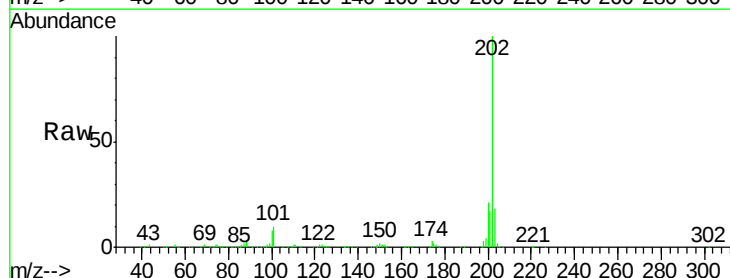
Tgt Ion:202 Resp: 206749

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

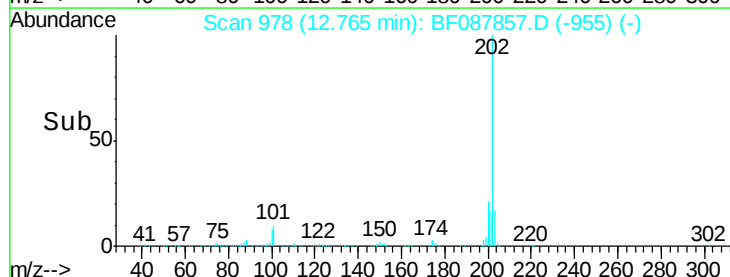
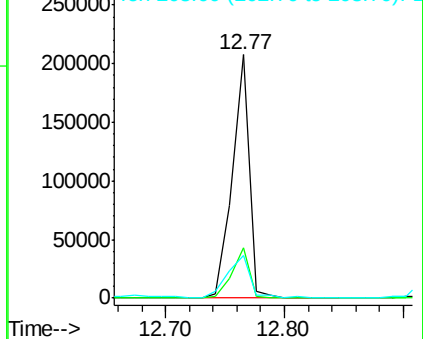
203 17.5 14.5 21.7

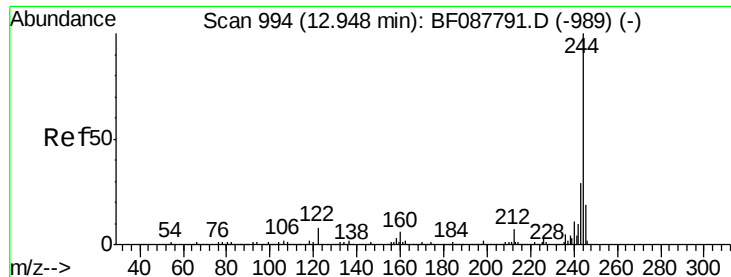


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.62 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

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ClientSampleId :

DUP-1

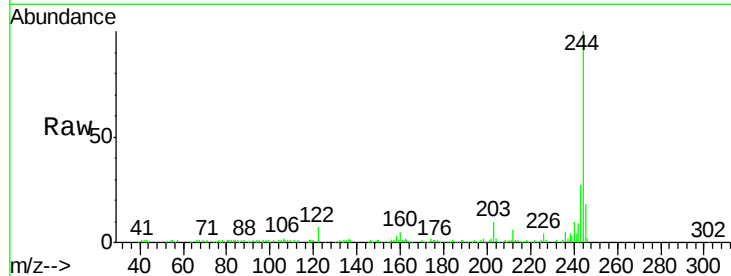
Tot Ion:244 Resp: 157311

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

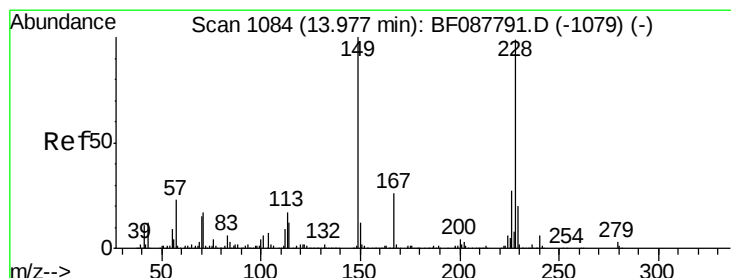
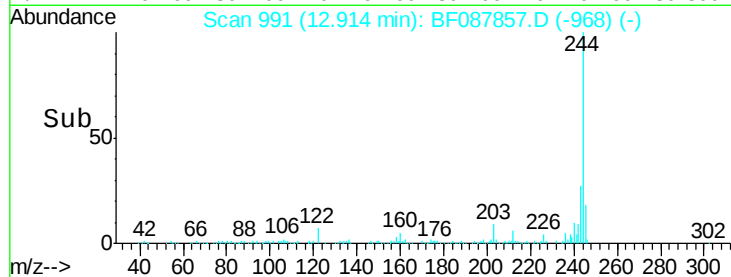
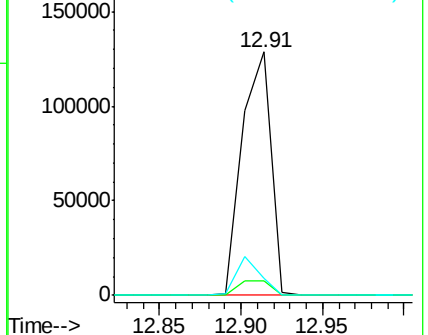
122 7.0 11.2 16.8#



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: 9.01 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

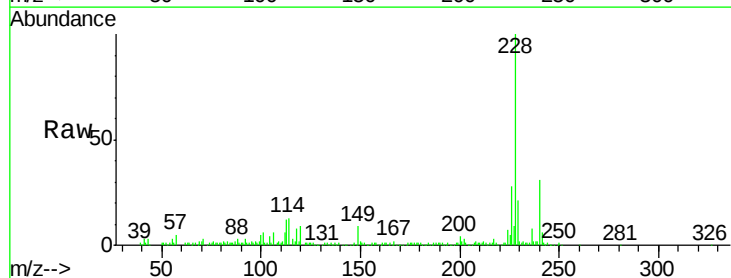
Tgt Ion:228 Resp: 125613

Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

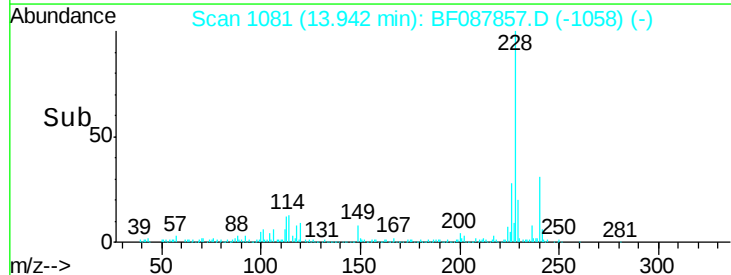
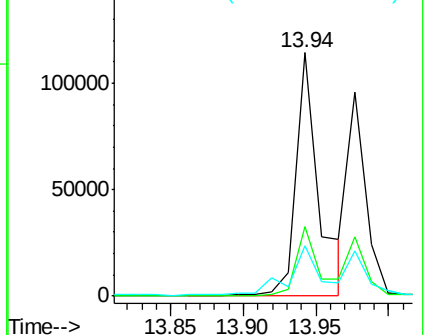
229 20.6 16.0 24.0

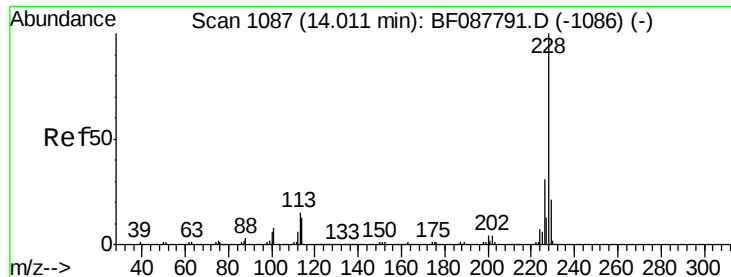


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.36 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

Instrument :

BNA_F

ClientSampled :

DUP-1

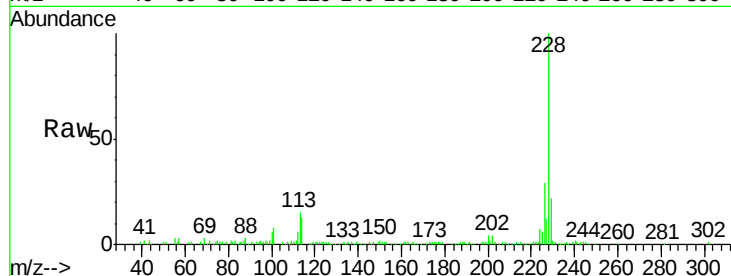
Tot Ion:228 Resp: 83441

Ion Ratio Lower Upper

228 100

226 29.3 25.4 38.2

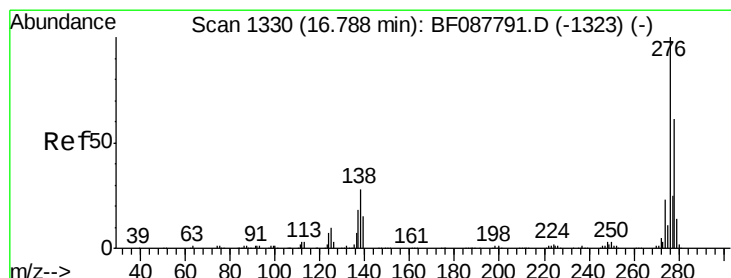
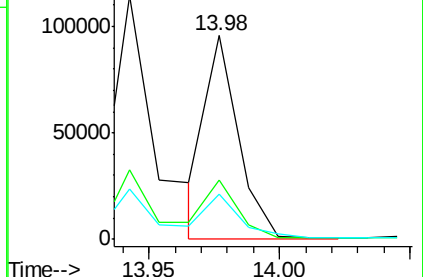
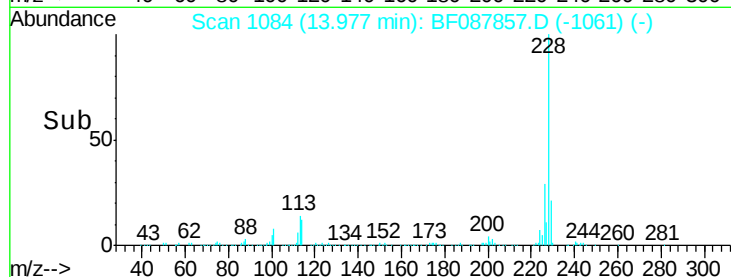
229 22.4 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.47 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.07 min

Lab File: BF087857.D

Acq: 9 Jun 2016 17:28

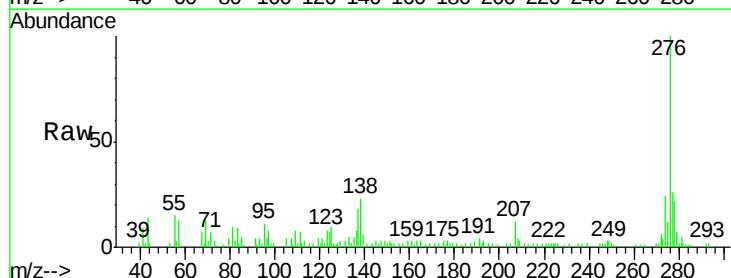
Tgt Ion:276 Resp: 42296

Ion Ratio Lower Upper

276 100

138 27.7 0.0 0.0#

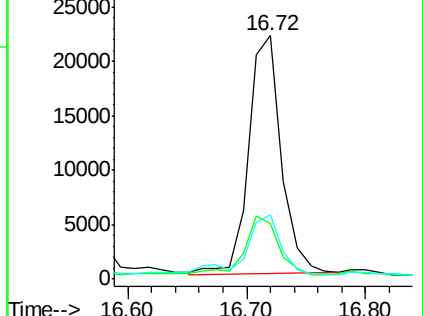
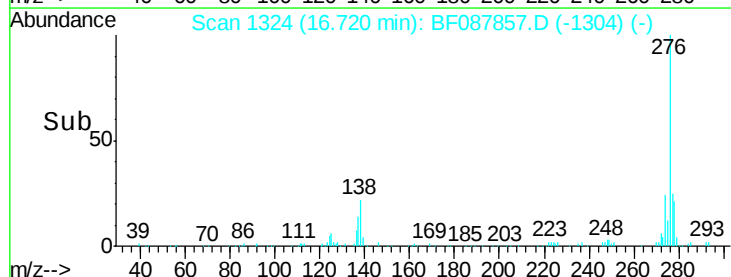
277 35.3 0.0 0.0#

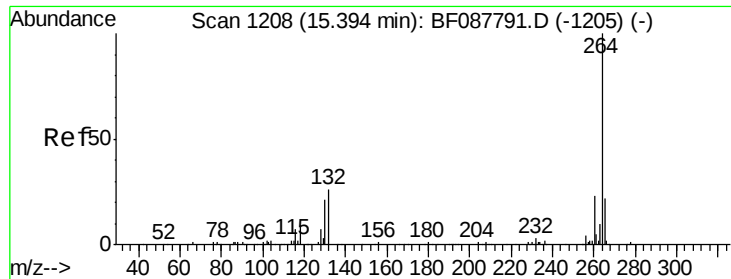


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



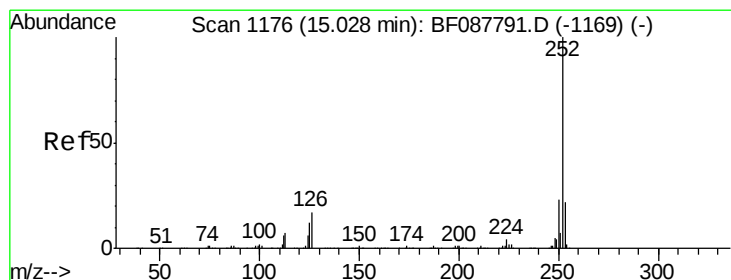
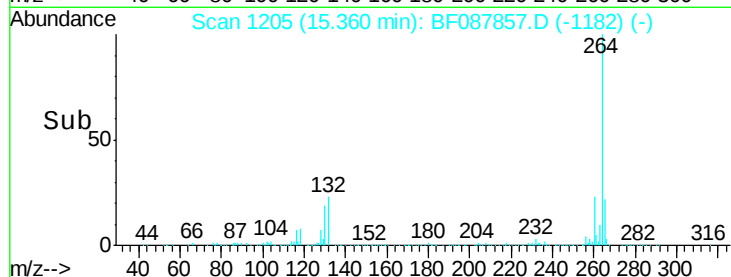
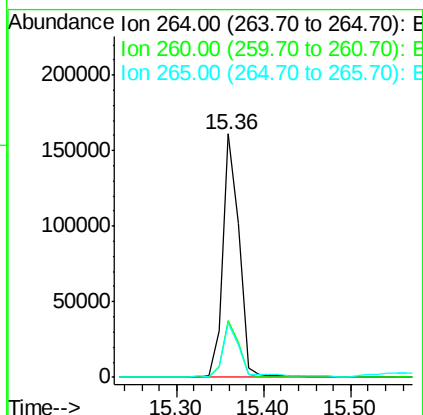
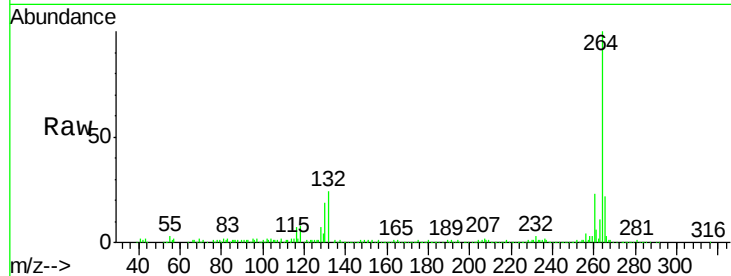


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion:264 Resp: 211855

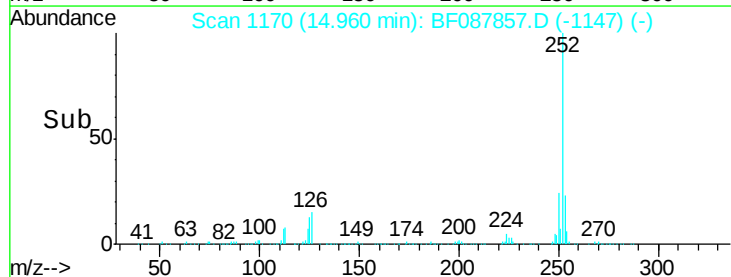
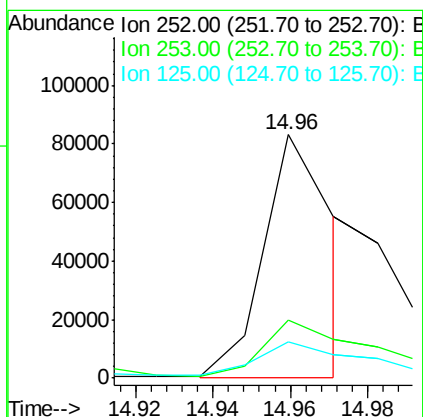
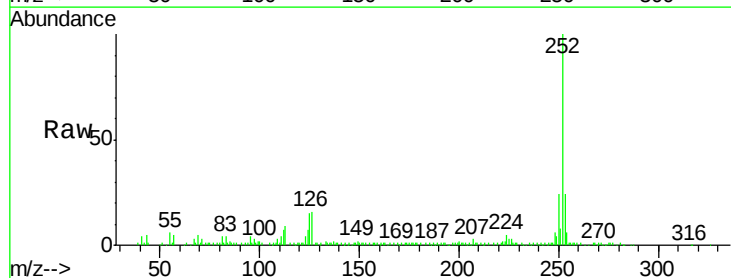
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.0	16.9	25.3

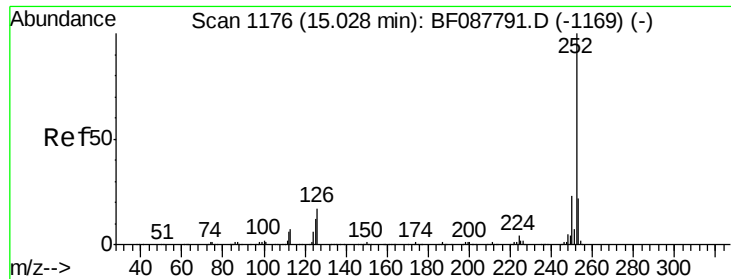


#87
Benzo(b)fluoranthene
Concen: 7.10 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Tgt Ion:252 Resp: 104879

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	14.8	7.1	10.7#

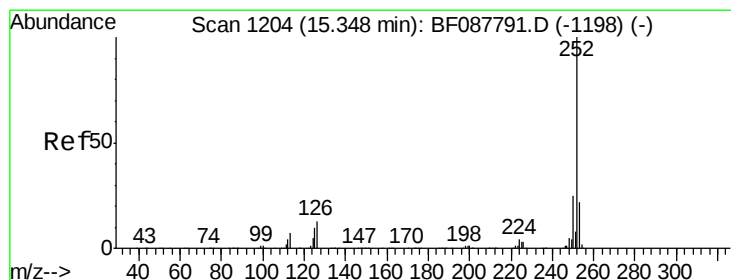
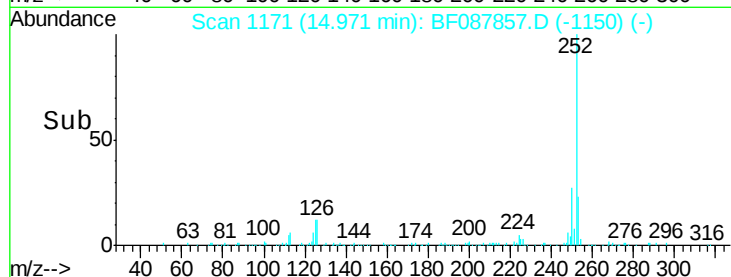
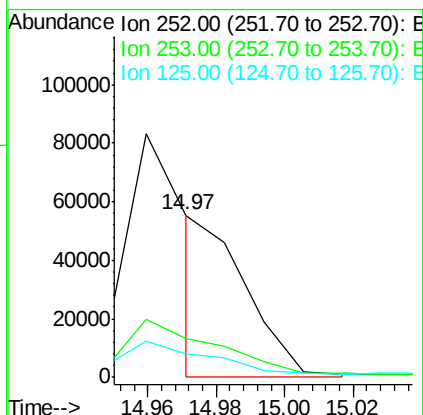
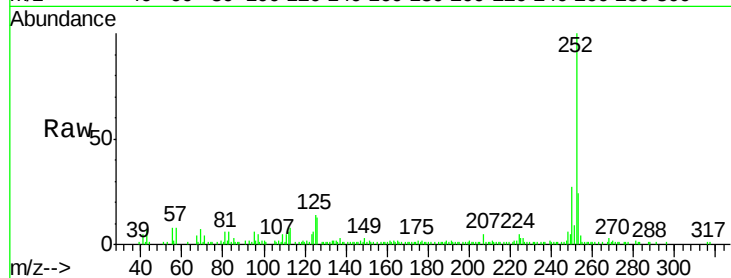




#88
Benzo(k)fluoranthene
Concen: 4.18 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

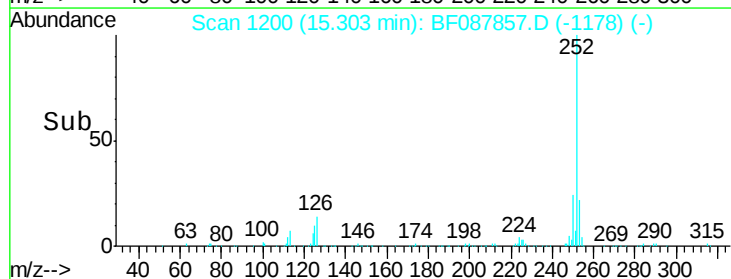
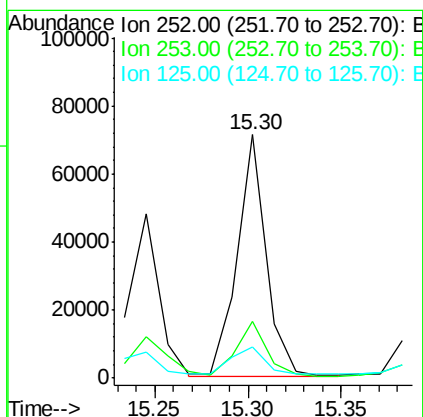
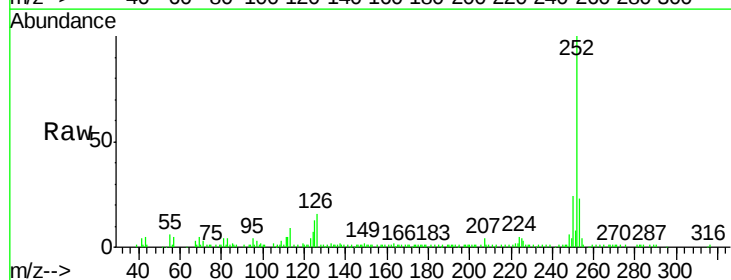
Instrument :
BNA_F
ClientSampleId :
DUP-1

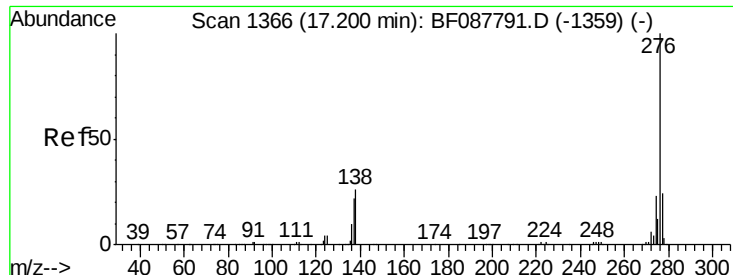
Tot Ion:252 Resp: 46554
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 14.3 11.2 16.8



#89
Benzo(a)pyrene
Concen: 6.52 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087857.D
Acq: 9 Jun 2016 17:28

Tgt Ion:252 Resp: 77952
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 12.9 12.5 18.7

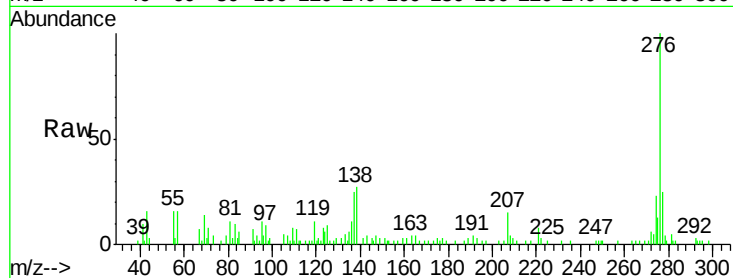




#91
 Benzo(a,h,i)perylene
 Concen: 3.53 ng
 RT: 17.12 min Scan# 1359
 Delta R.T. -0.08 min
 Lab File: BF087857.D
 Acq: 9 Jun 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	26.9	21.4	32.2



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

