

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
 Data File : BF078333.D
 Acq On : 8 Apr 2015 10:21
 Operator : TP/IZ
 Sample : G1792-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-1

Quant Time: Apr 08 14:48:11 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 03 14:42:25 2015
 Response via : Initial Calibration

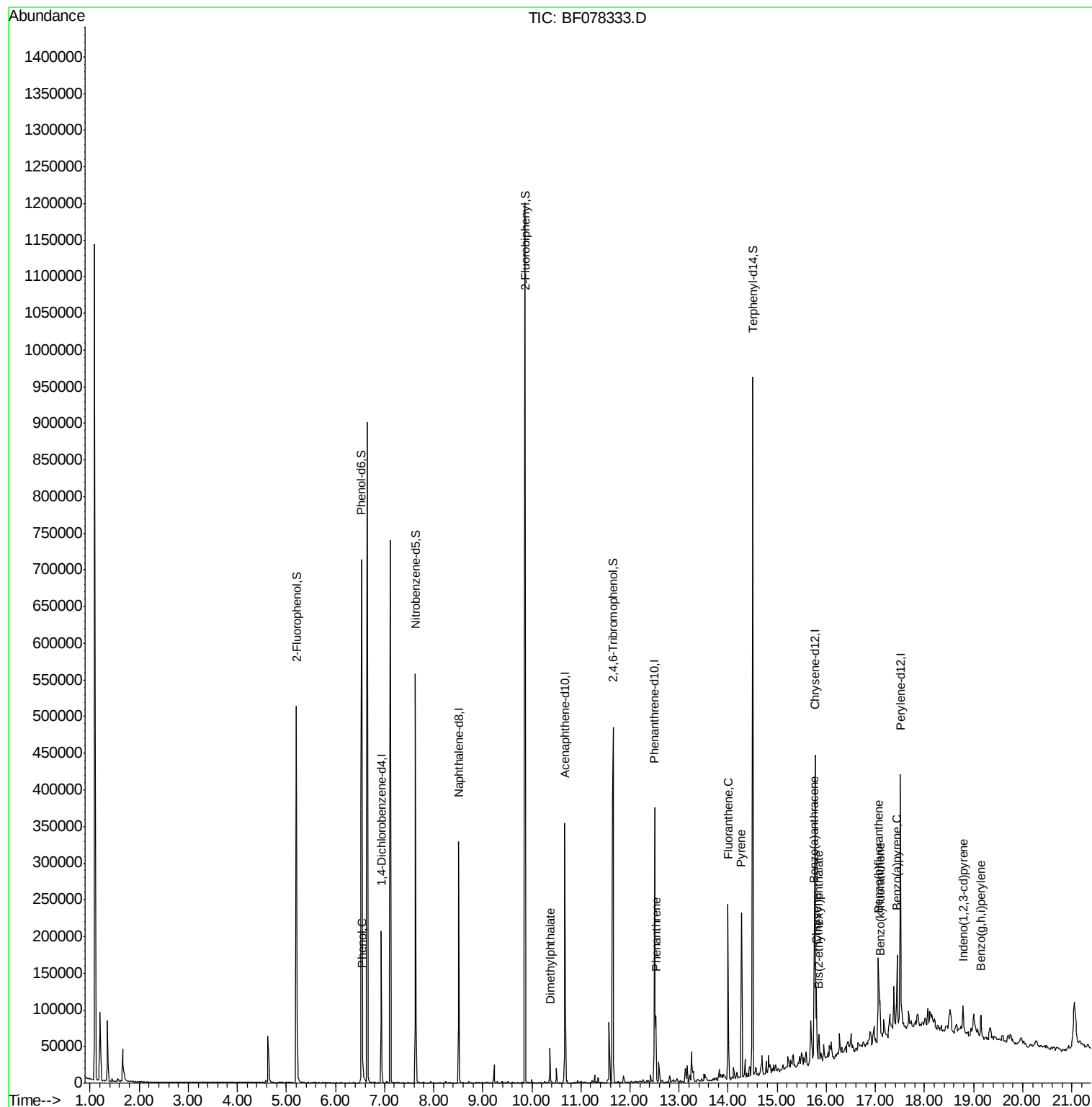
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	36918	20.00	ng	-0.05
21) Naphthalene-d8	8.51	136	153366	20.00	ng	-0.05
38) Acenaphthene-d10	10.67	164	73031	20.00	ng	-0.06
63) Phenanthrene-d10	12.50	188	147359	20.00	ng	-0.06
75) Chrysene-d12	15.77	240	151119	20.00	ng	-0.07
86) Perylene-d12	17.51	264	153668	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	239366	106.90	ng	-0.06
7) Phenol-d6	6.53	99	314122	111.94	ng	-0.03
23) Nitrobenzene-d5	7.63	82	176096	69.60	ng	-0.05
41) 2,4,6-Tribromophenol	11.65	330	77902	128.62	ng	-0.06
44) 2-Fluorobiphenyl	9.86	172	369351	72.29	ng	-0.05
78) Terphenyl-d14	14.50	244	420579	62.89	ng	-0.06
Target Compounds						Qvalue
10) Phenol	6.54	94	8372	2.49	ng	74
49) Dimethylphthalate	10.37	163	21648	3.95	ng	# 99
70) Phenanthrene	12.53	178	49964	5.86	ng	99
74) Fluoranthene	14.00	202	103497	11.51	ng	94
77) Pyrene	14.27	202	93542	9.86	ng	98
80) Benzo(a)anthracene	15.76	228	50171	5.58	ng	# 86
82) Chrysene	15.80	228	40823	4.83	ng	96
83) Bis(2-ethylhexyl)phthalate	15.85	149	12176	2.15	ng	98
85) Indeno(1,2,3-cd)pyrene	18.79	276	25925	2.70	ng	# 76
87) Benzo(b)fluoranthene	17.06	252	62980m	6.63	ng	
88) Benzo(k)fluoranthene	17.09	252	17097m	2.03	ng	
89) Benzo(a)pyrene	17.44	252	39372	4.75	ng	# 91
91) Benzo(a,h,i)perylene	19.15	276	25409m	3.05	ng	

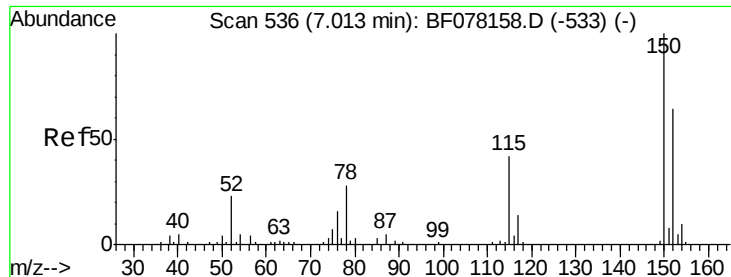
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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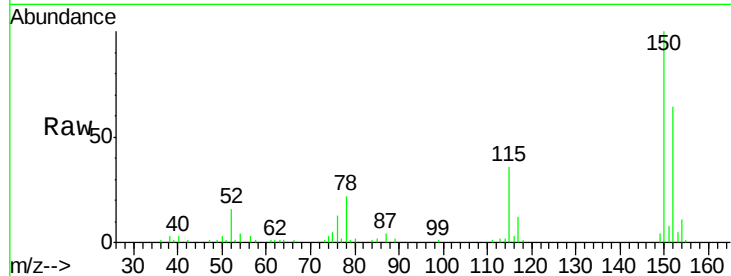


#1

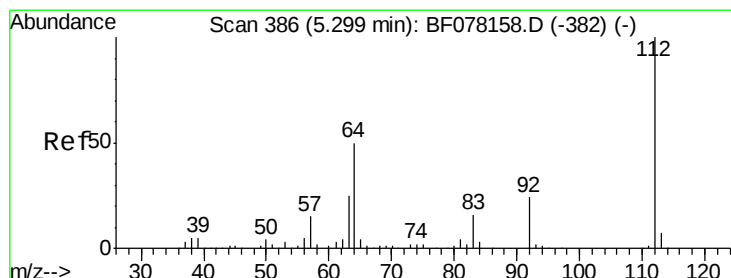
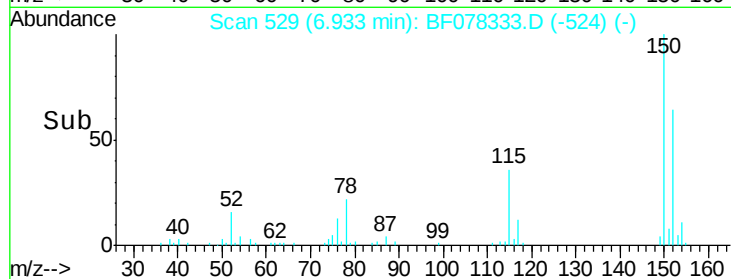
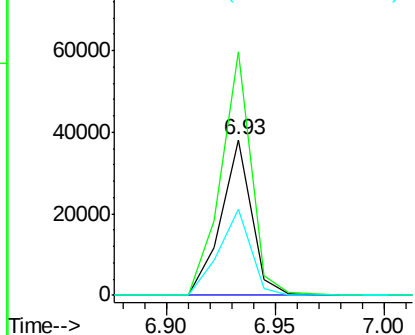
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 529
Delta R.T. -0.05 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
PE-1

Tot Ion:152 Resp: 36918
Ion Ratio Lower Upper
152 100
150 156.8 125.9 188.9
115 55.8 52.7 79.1



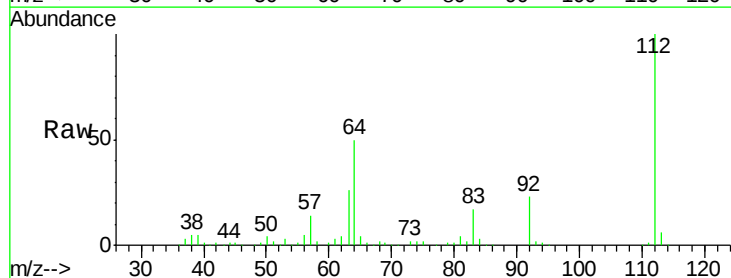
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



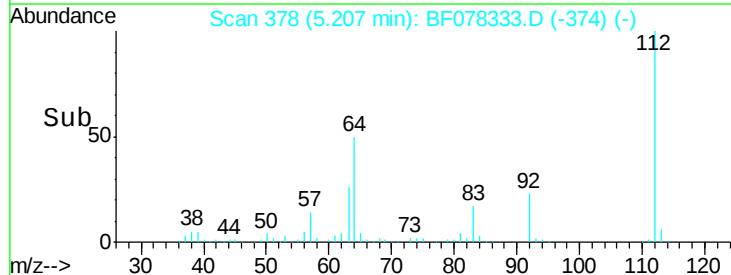
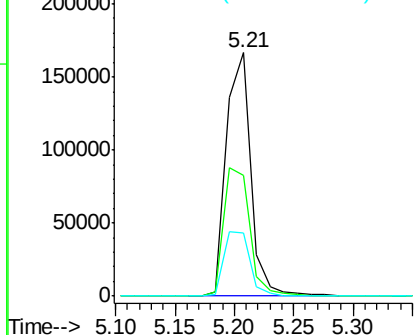
#5

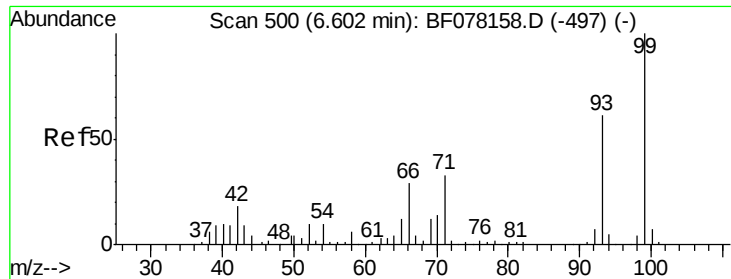
2-Fluorophenol
Concen: 106.90 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Tgt Ion:112 Resp: 239366
Ion Ratio Lower Upper
112 100
64 49.7 39.9 59.9
63 25.9 20.2 30.4



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: 111.94 ng

RT: 6.53 min Scan# 494

Delta R.T. -0.03 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

PE-1

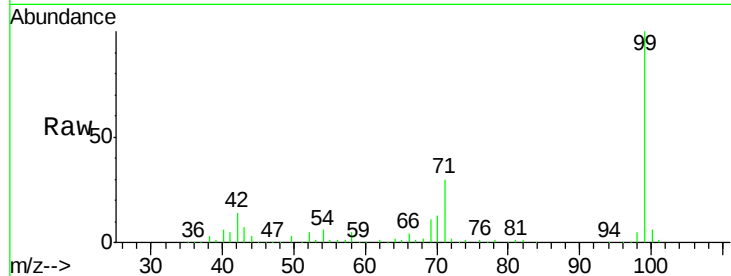
Tot Ion: 99 Resp: 314122

Ion Ratio Lower Upper

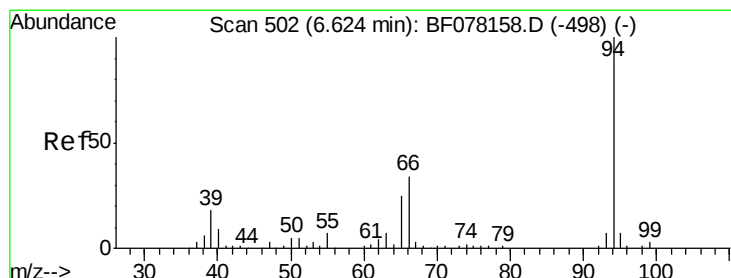
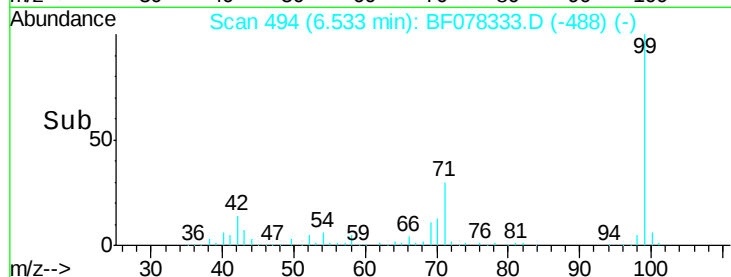
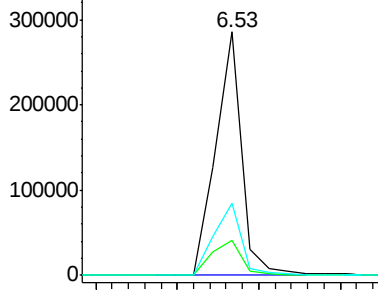
99 100

42 14.4 14.8 22.2#

71 29.6 26.6 39.8



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



#10

Phenol

Concen: 2.49 ng

RT: 6.54 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

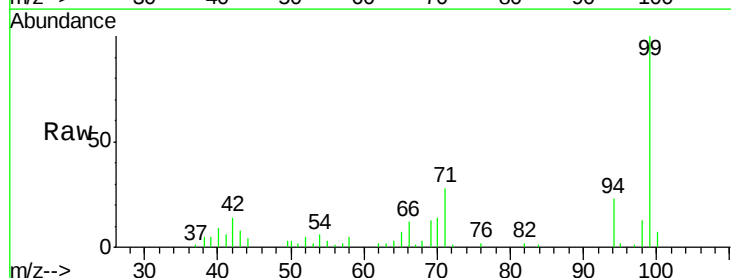
Tgt Ion: 94 Resp: 8372

Ion Ratio Lower Upper

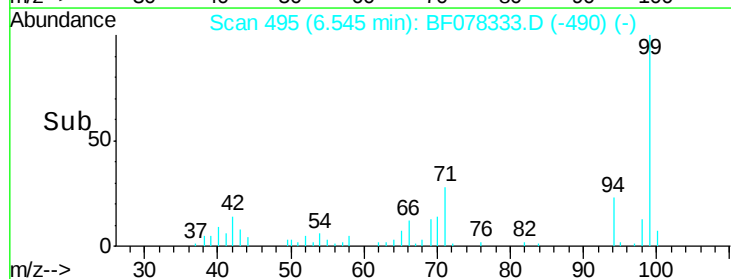
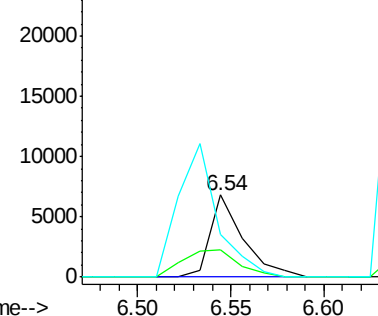
94 100

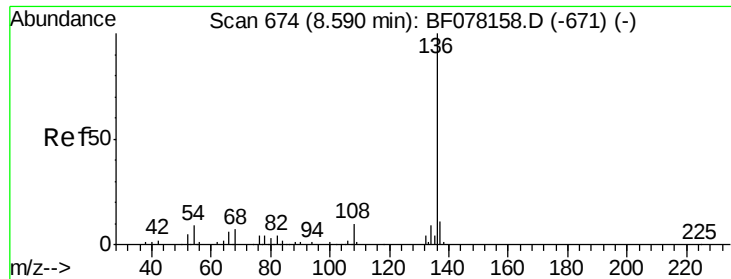
65 33.2 4.9 44.9

66 52.5 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

Instrument :

BNA_F

ClientSampled :

PE-1

Tot Ion:136 Resp: 153366

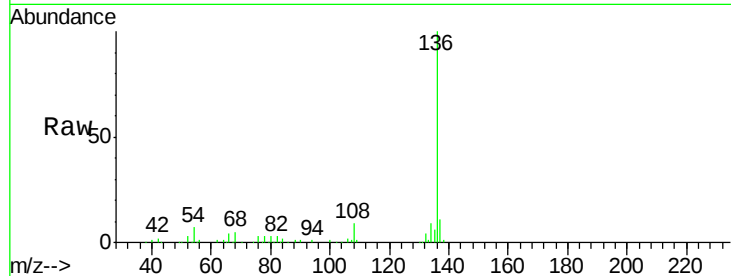
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.7 7.0 10.6#

68 5.2 5.4 8.2#

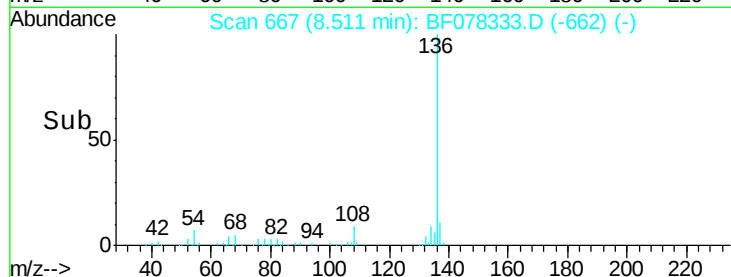


Abundance Ion 136.00 (135.70 to 136.70): E

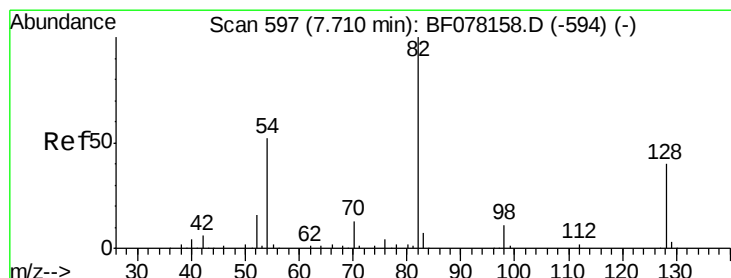
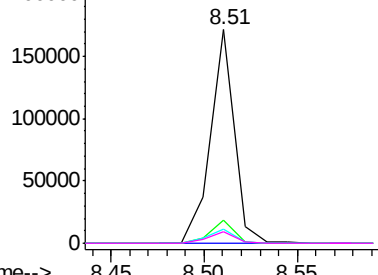
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 69.60 ng

RT: 7.63 min Scan# 590

Delta R.T. -0.05 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

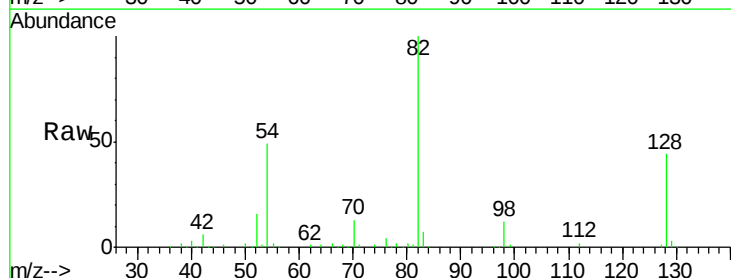
Tgt Ion: 82 Resp: 176096

Ion Ratio Lower Upper

82 100

128 44.4 31.8 47.8

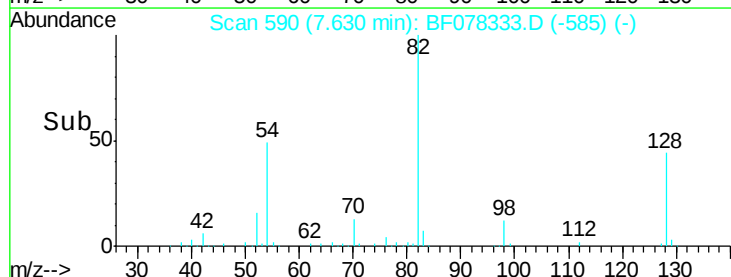
54 48.8 41.5 62.3



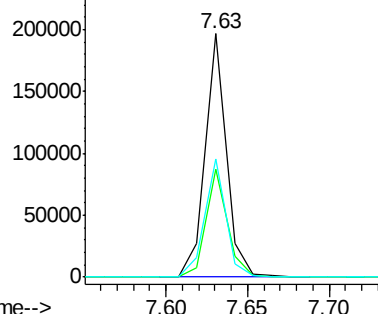
Abundance Ion 82.00 (81.70 to 82.70): BF0

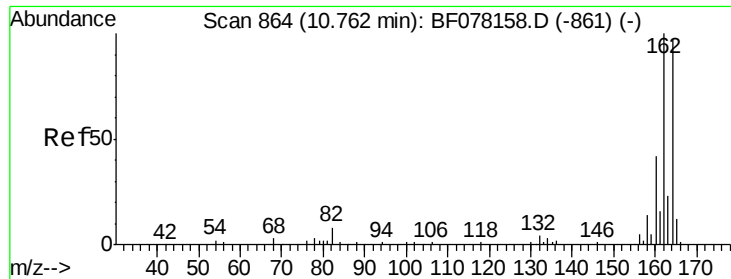
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.67 min Scan# 856

Delta R.T. -0.06 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

PE-1

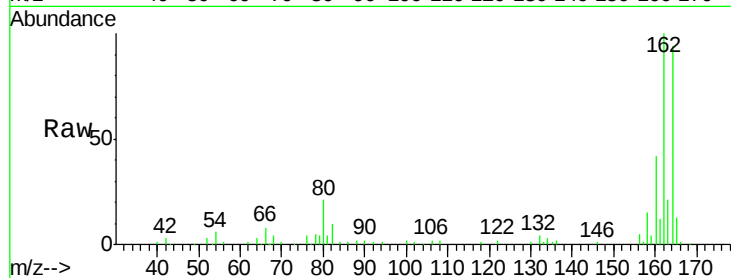
Tot Ion:164 Resp: 73031

Ion Ratio Lower Upper

164 100

162 106.2 82.2 123.2

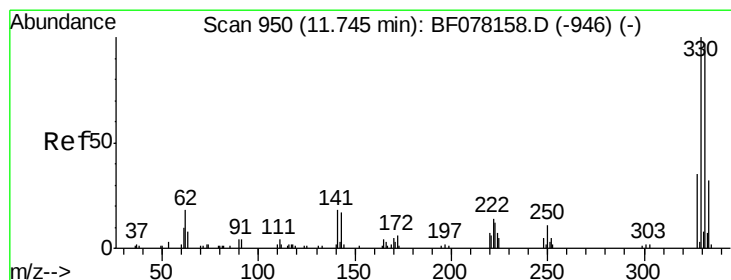
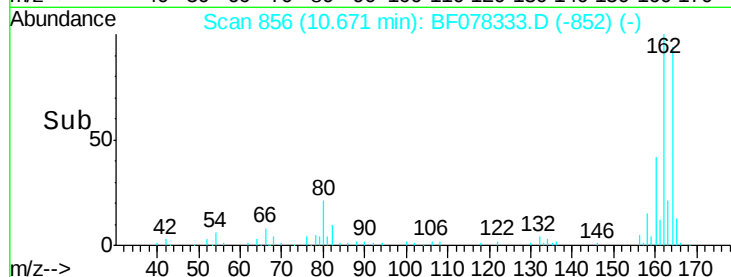
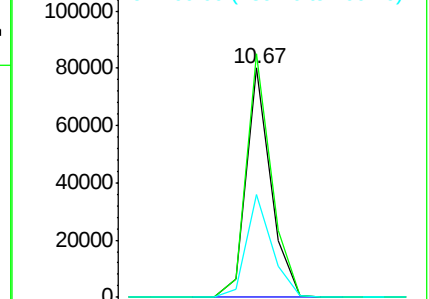
160 44.8 34.7 52.1



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: 128.62 ng

RT: 11.65 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

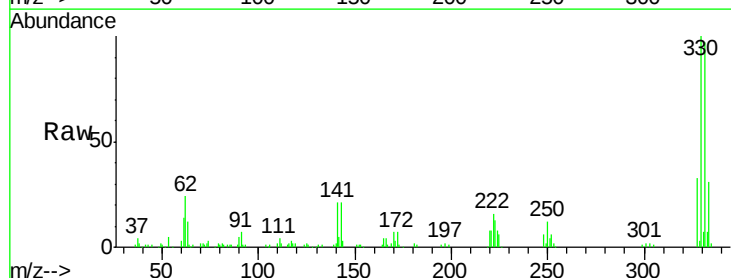
Tgt Ion:330 Resp: 77902

Ion Ratio Lower Upper

330 100

332 96.7 78.6 117.8

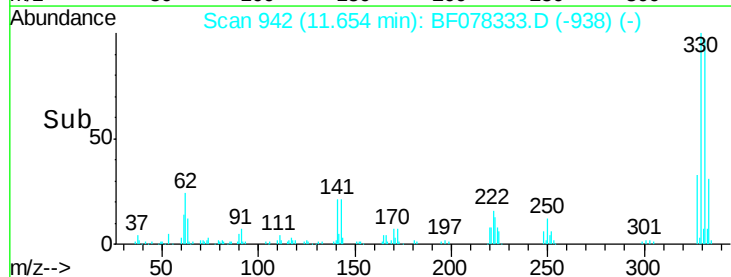
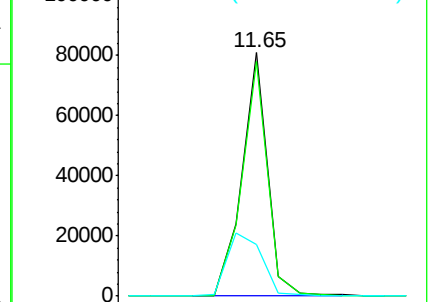
141 35.7 31.2 46.8

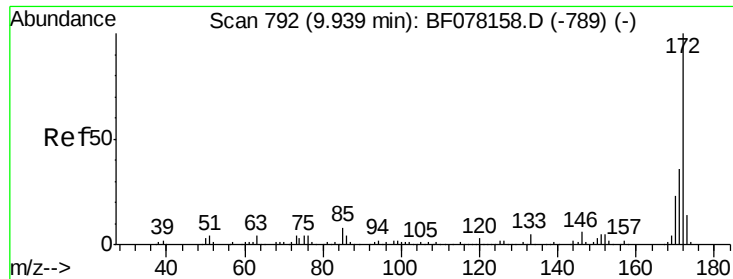


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

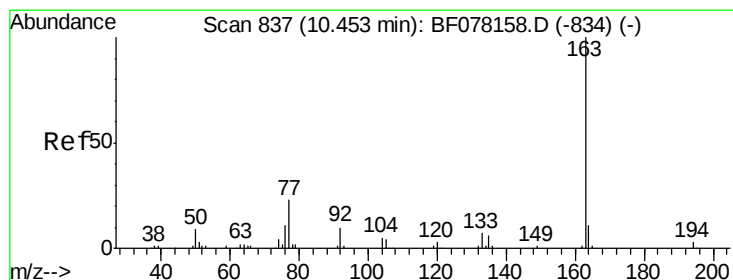
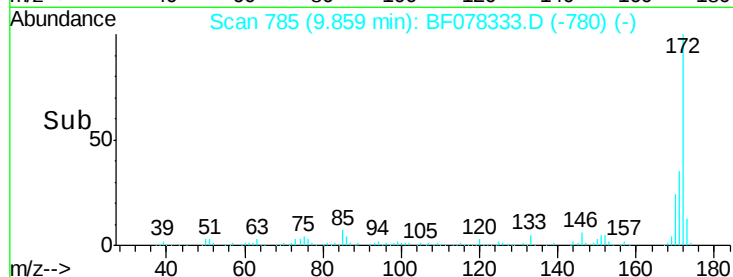
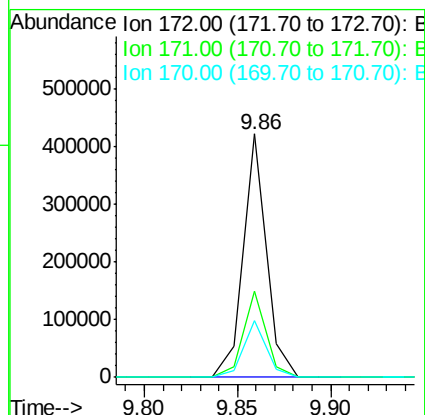
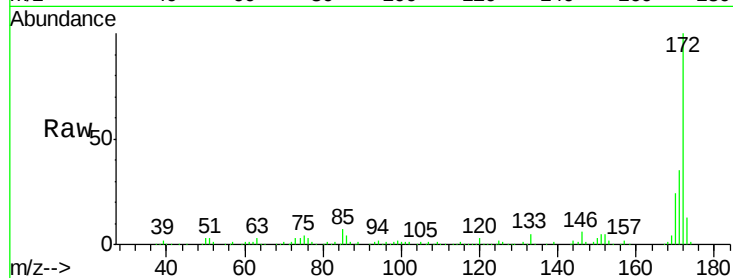




#44
 2-Fluorobiphenyl
 Concen: 72.29 ng
 RT: 9.86 min Scan# 785
 Delta R.T. -0.05 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

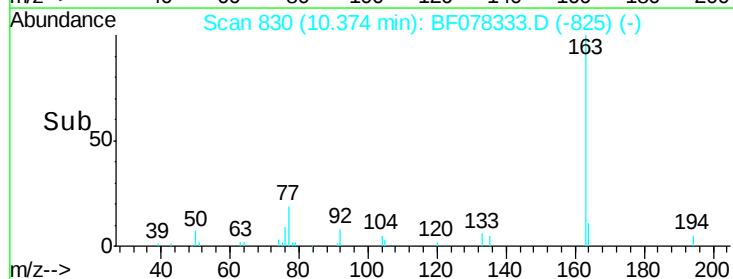
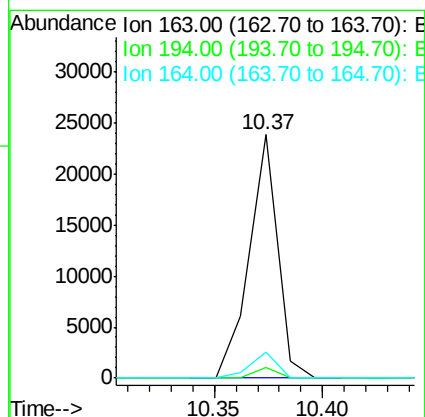
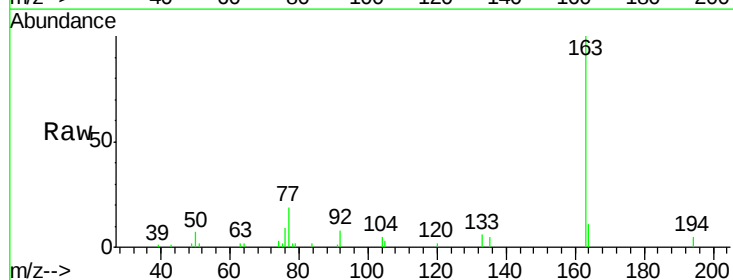
Instrument :
 BNA_F
 ClientSampled :
 PE-1

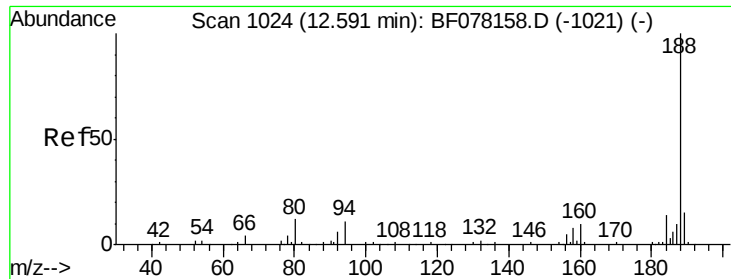
Tot Ion:172 Resp: 369351
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 18.5 27.7



#49
 Dimethylphthalate
 Concen: 3.95 ng
 RT: 10.37 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

Tgt Ion:163 Resp: 21648
 Ion Ratio Lower Upper
 163 100
 194 4.6 2.3 3.5#
 164 10.7 8.6 13.0

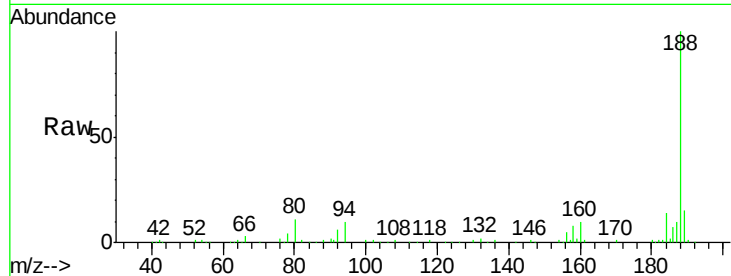




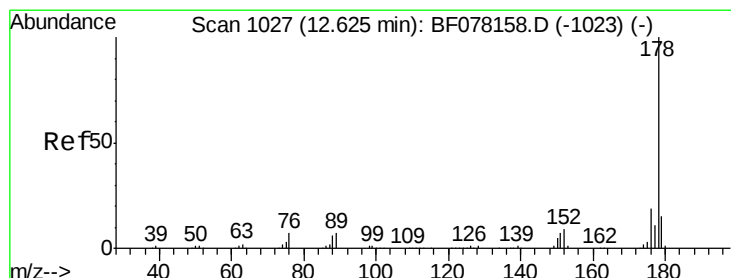
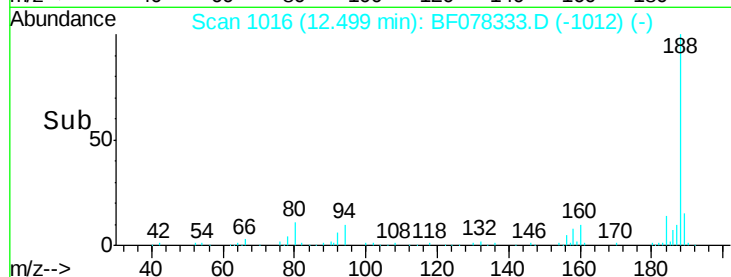
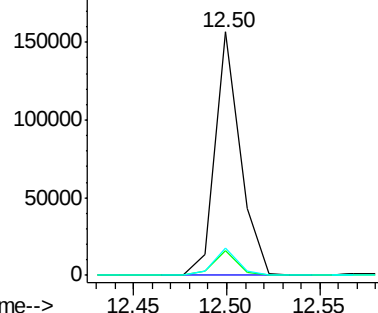
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 1016
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
PE-1

Tot Ion:188 Resp: 147359
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.4
80 11.1 9.5 14.3

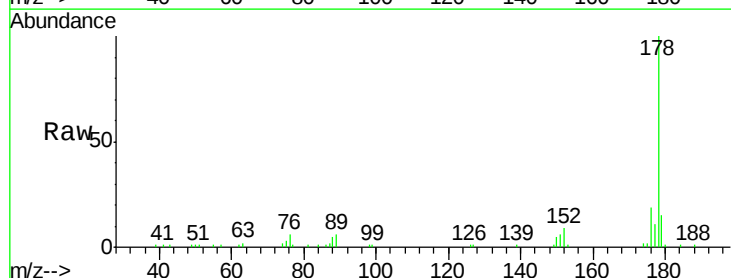


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

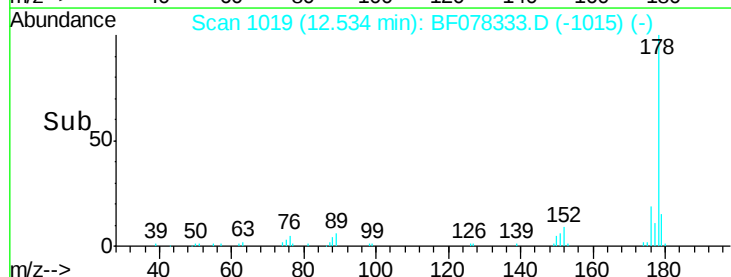
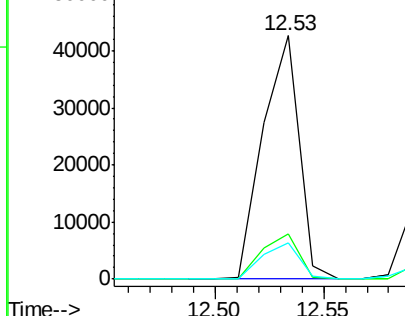


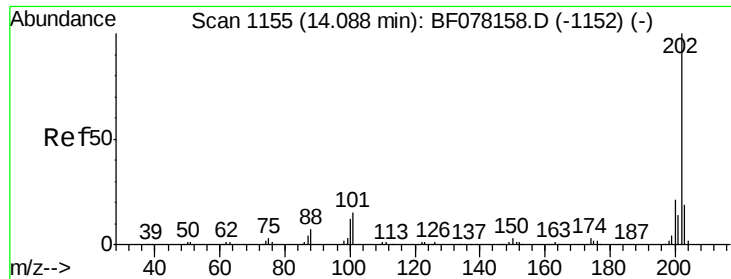
#70
Phenanthrene
Concen: 5.86 ng
RT: 12.53 min Scan# 1019
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Tgt Ion:178 Resp: 49964
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.0 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

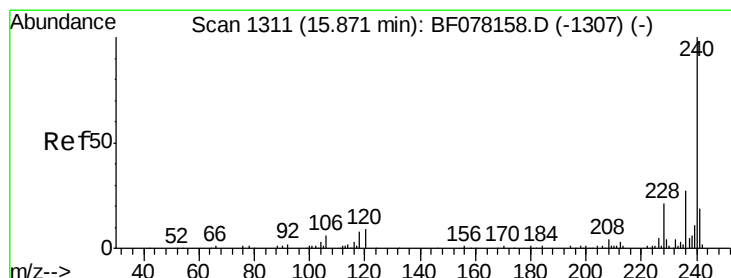
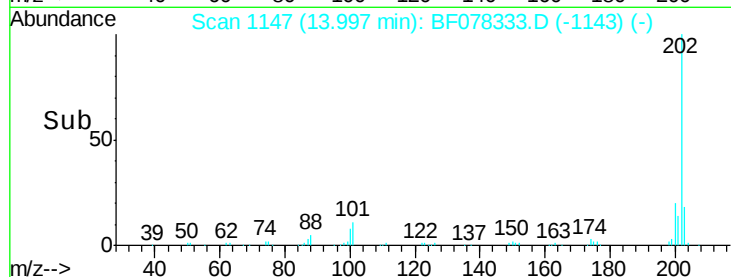
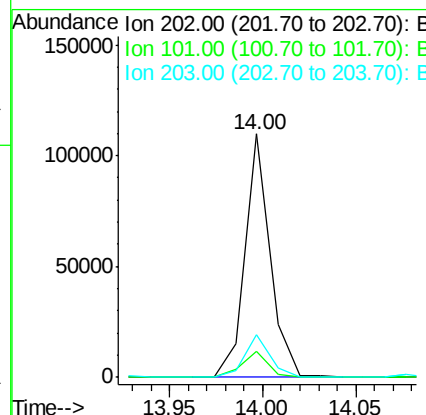
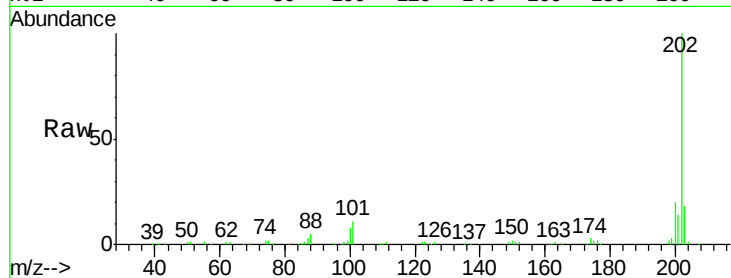




#74
 Fluoranthene
 Concen: 11.51 ng
 RT: 14.00 min Scan# 1147
 Delta R.T. -0.06 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

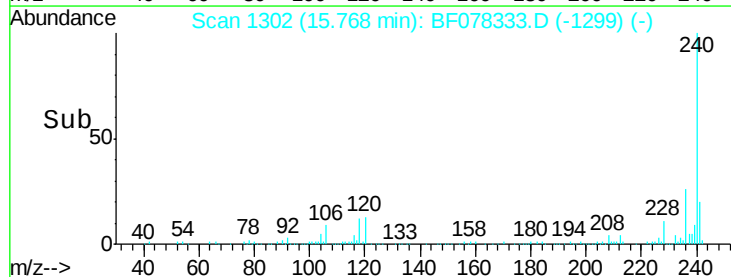
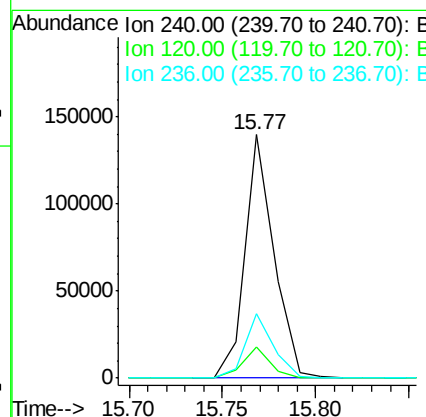
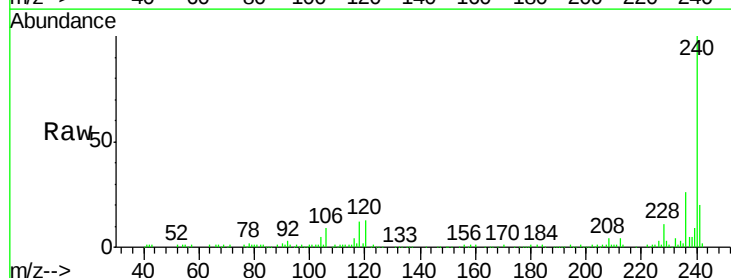
Instrument :
 BNA_F
 ClientSampleId :
 PE-1

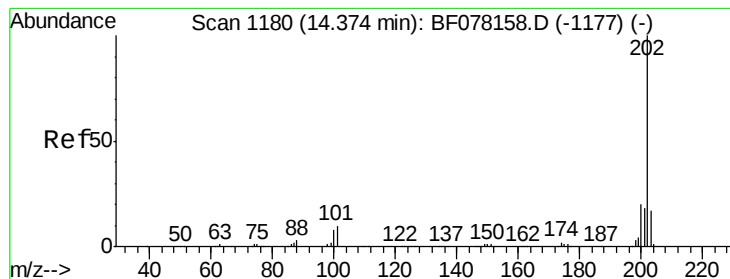
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	35.2
203	17.6	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.77 min Scan# 1302
 Delta R.T. -0.07 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	7.1	10.7#
236	26.3	21.4	32.2





#77

Pvrene

Concen: 9.86 ng

RT: 14.27 min Scan# 1171

Delta R.T. -0.07 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

PE-1

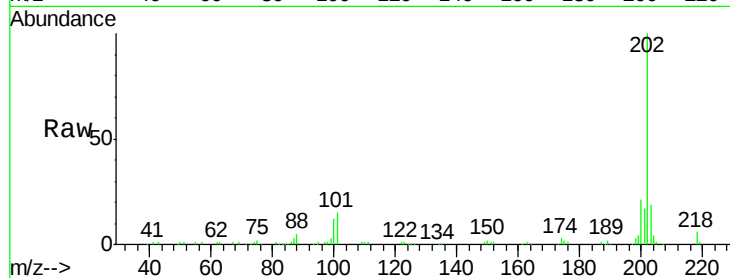
Tot Ion:202 Resp: 93542

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

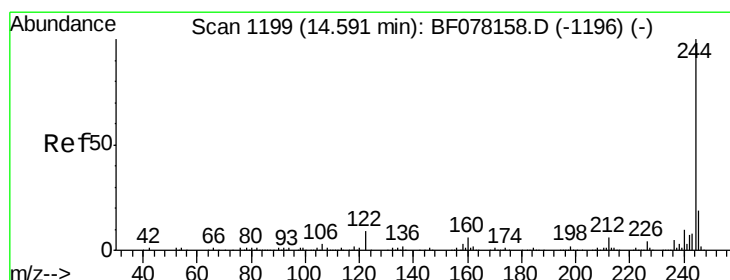
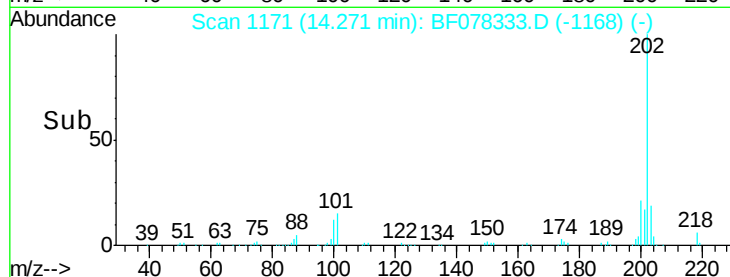
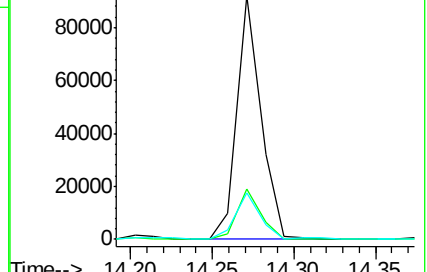
203 19.0 13.8 20.6



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: 62.89 ng

RT: 14.50 min Scan# 1191

Delta R.T. -0.06 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

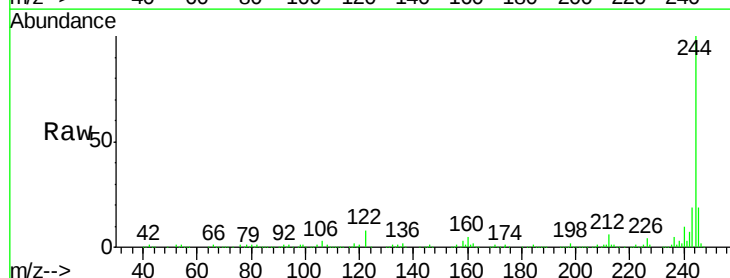
Tgt Ion:244 Resp: 420579

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

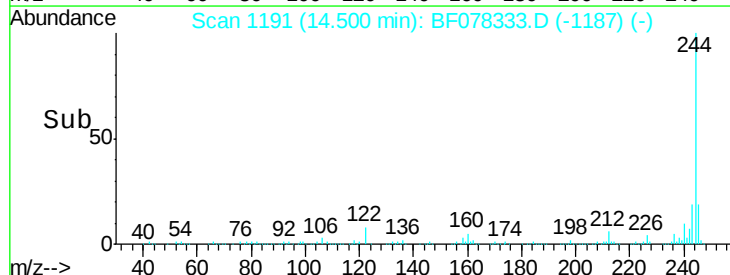
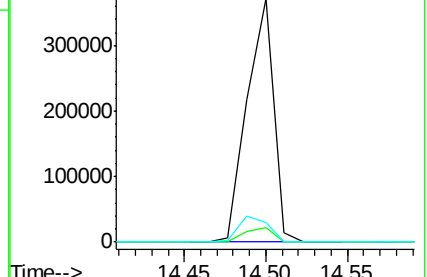
122 8.2 7.1 10.7

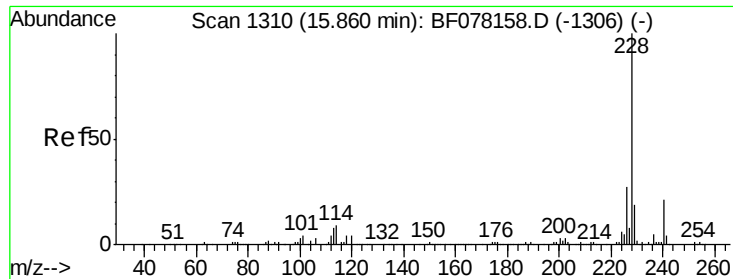


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

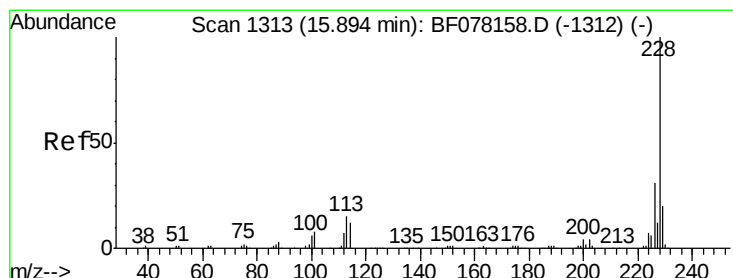
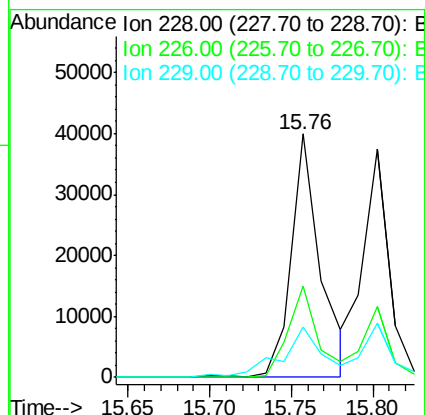
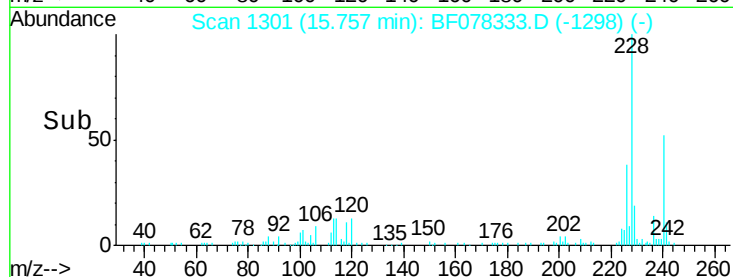
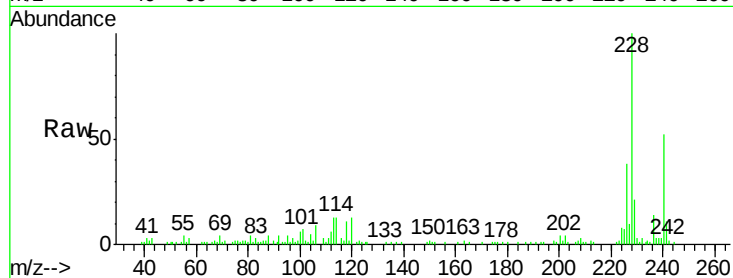




#80
Benzo(a)anthracene
Concen: 5.58 ng
RT: 15.76 min Scan# 1301
Delta R.T. -0.07 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

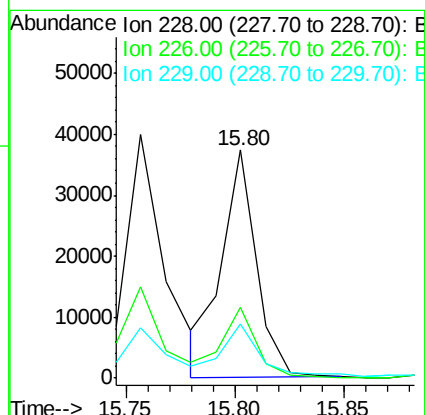
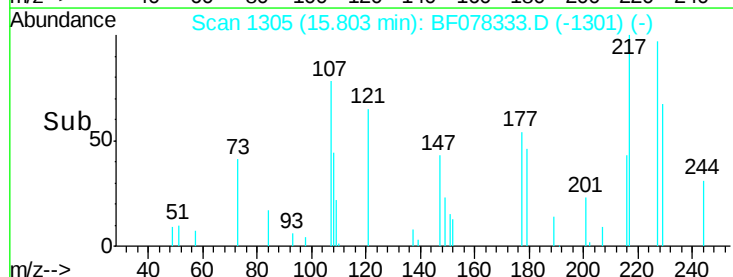
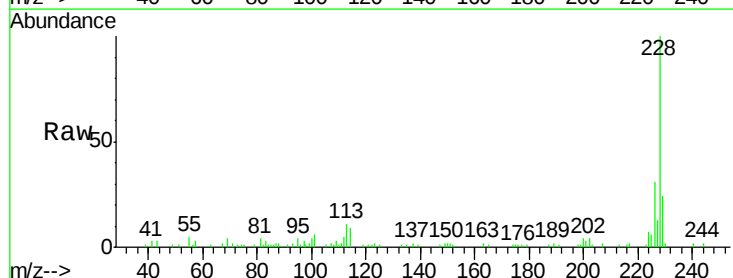
Instrument :
BNA_F
ClientSampled :
PE-1

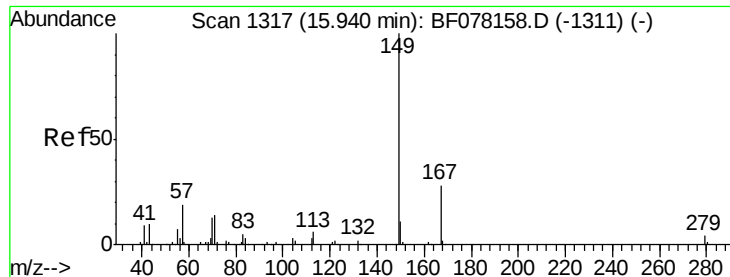
Tot Ion:228 Resp: 50171
Ion Ratio Lower Upper
228 100
226 37.7 21.3 31.9#
229 20.9 15.4 23.2



#82
Chrysene
Concen: 4.83 ng
RT: 15.80 min Scan# 1305
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Tgt Ion:228 Resp: 40823
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 23.6 15.8 23.8

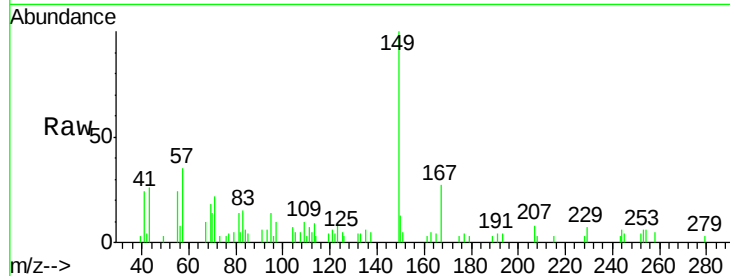




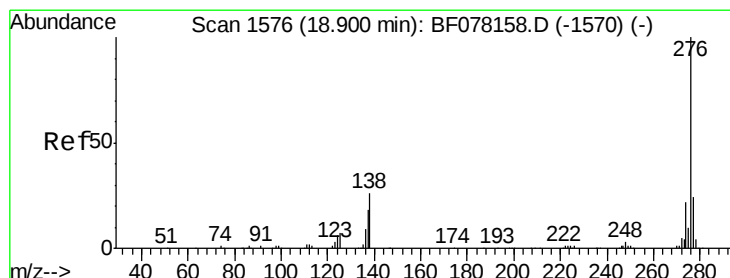
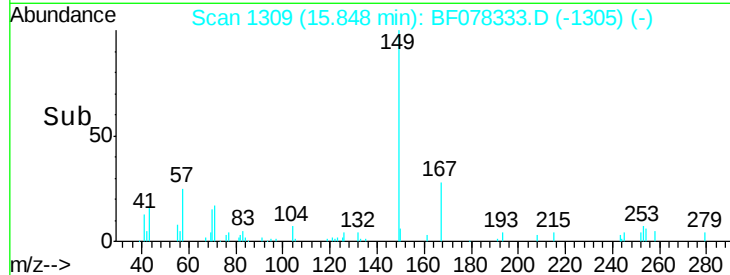
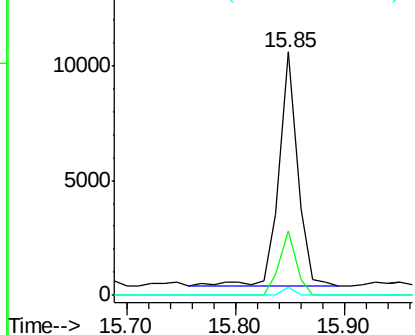
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.15 ng
 RT: 15.85 min Scan# 1309
 Delta R.T. -0.06 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 PE-1

Tot Ion:149 Resp: 12176
 Ion Ratio Lower Upper
 149 100
 167 26.7 22.2 33.2
 279 3.4 3.2 4.8

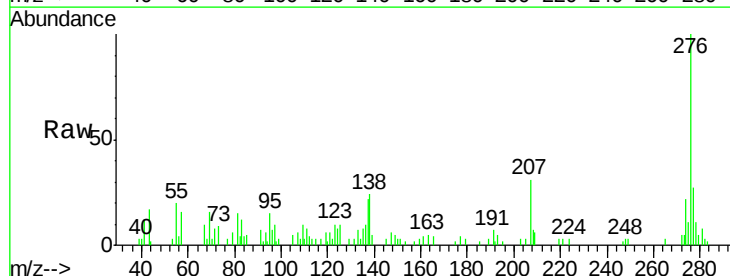


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

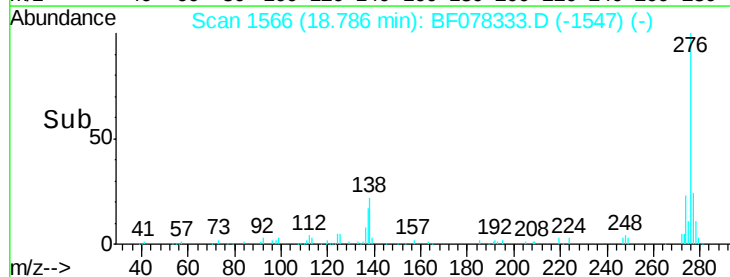
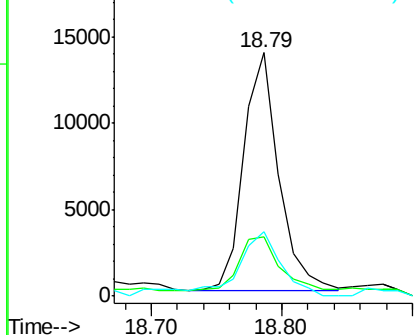


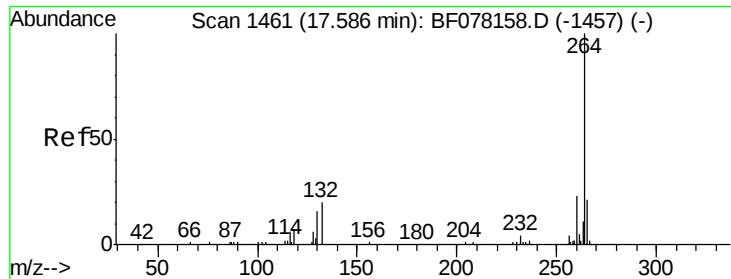
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.70 ng
 RT: 18.79 min Scan# 1566
 Delta R.T. -0.08 min
 Lab File: BF078333.D
 Acq: 8 Apr 2015 10:21

Tgt Ion:276 Resp: 25925
 Ion Ratio Lower Upper
 276 100
 138 27.0 16.9 25.3#
 277 35.8 15.8 23.6#



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

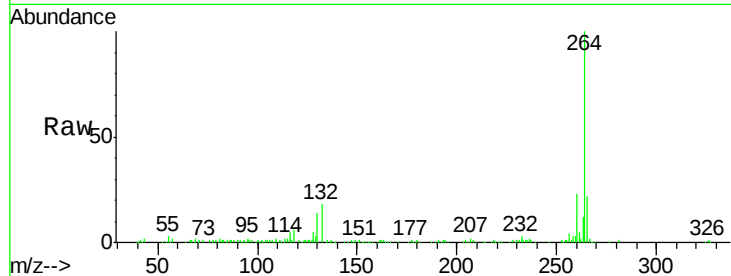




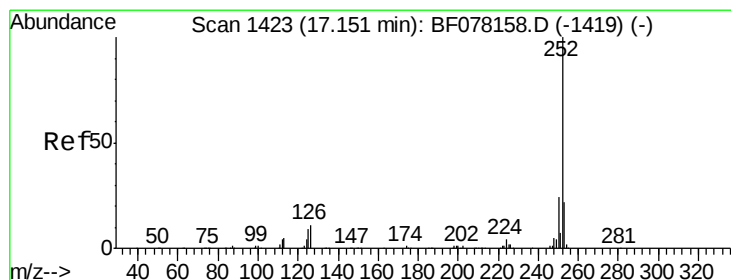
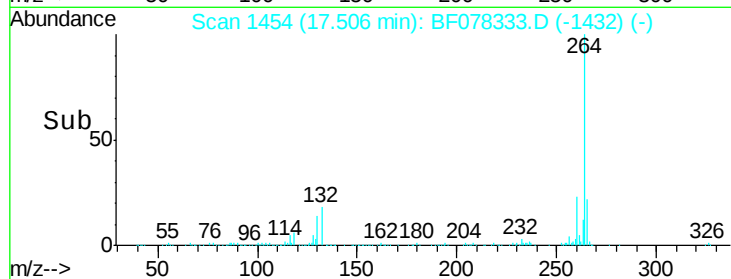
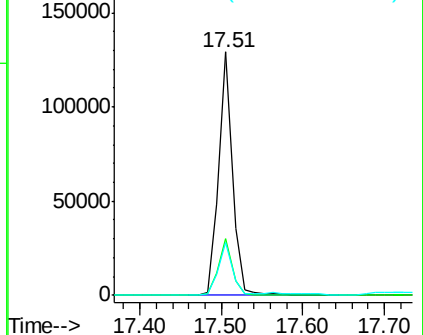
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.51 min Scan# 1454
Delta R.T. -0.05 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
PE-1

Tot Ion:264 Resp: 153668
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.6 17.0 25.6

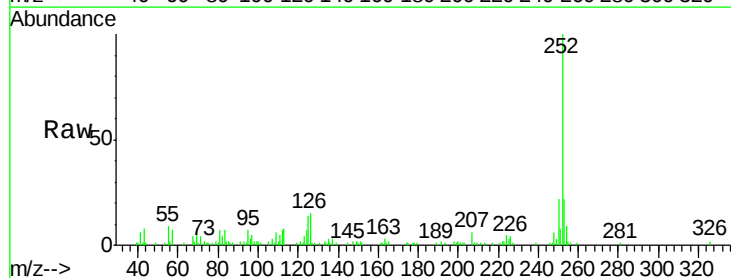


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

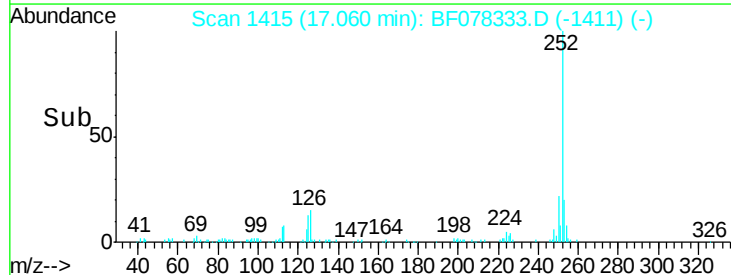
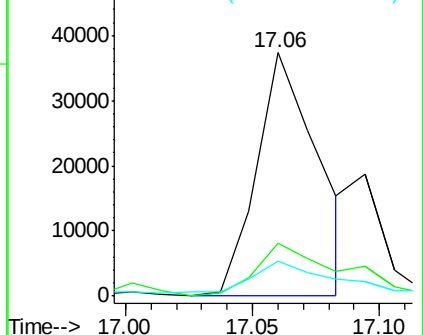


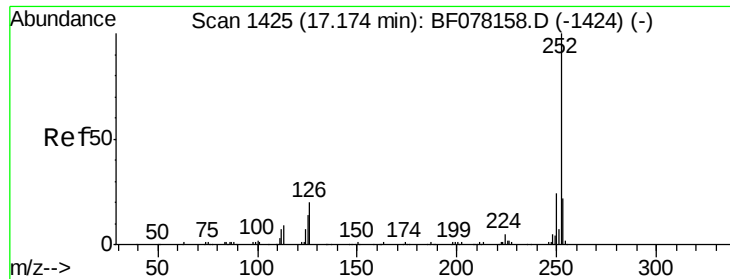
#87
Benzo(b)fluoranthene
Concen: 6.63 ng m
RT: 17.06 min Scan# 1415
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Tgt Ion:252 Resp: 62980
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 14.1 7.0 10.4#



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

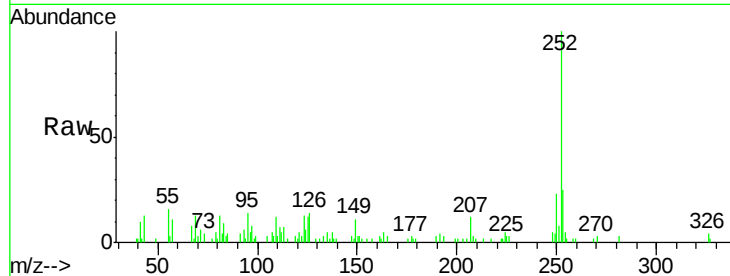




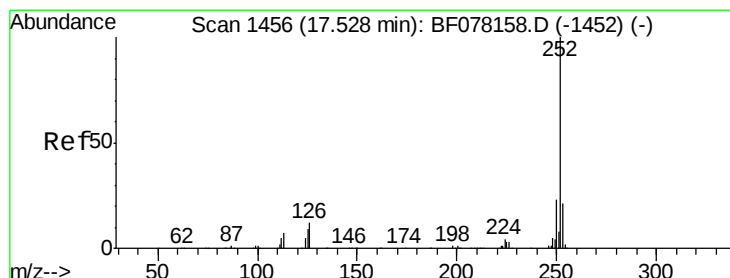
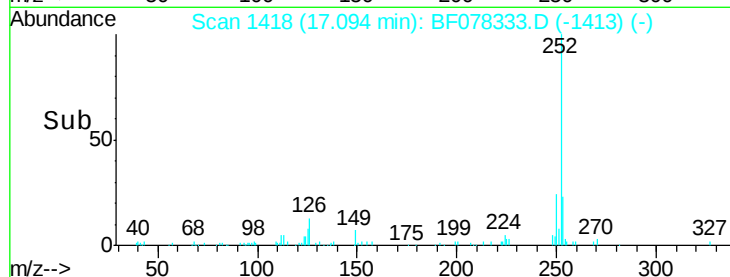
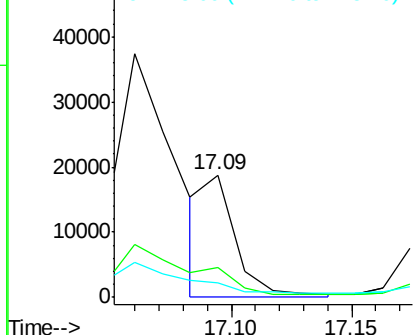
#88
Benzo(k)fluoranthene
Concen: 2.03 ng m
RT: 17.09 min Scan# 1418
Delta R.T. -0.05 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
PE-1

Tot Ion:252 Resp: 17097
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 12.0 11.6 17.4

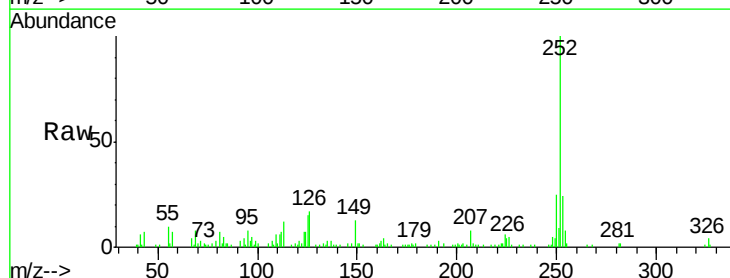


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

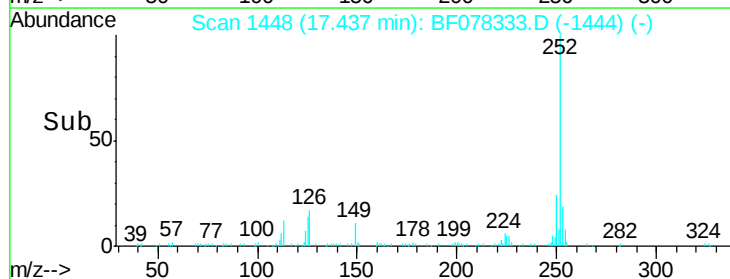
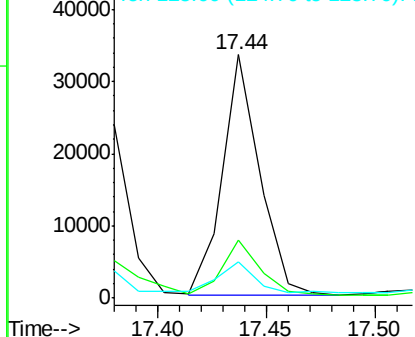


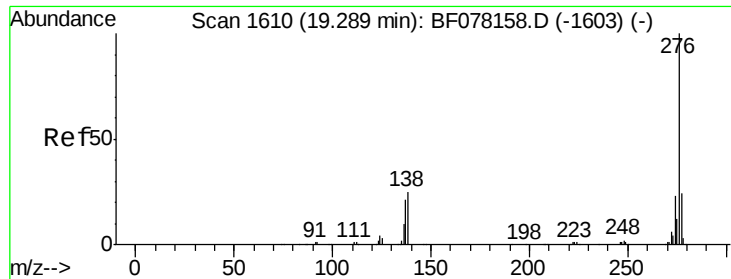
#89
Benzo(a)pyrene
Concen: 4.75 ng
RT: 17.44 min Scan# 1448
Delta R.T. -0.06 min
Lab File: BF078333.D
Acq: 8 Apr 2015 10:21

Tgt Ion:252 Resp: 39372
Ion Ratio Lower Upper
252 100
253 23.9 16.8 25.2
125 14.9 7.4 11.0#



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(a,h,i)perylene

Concen: 3.05 ng/ml

RT: 19.15 min Scan# 1598

Delta R.T. -0.10 min

Lab File: BF078333.D

Acq: 8 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

PE-1

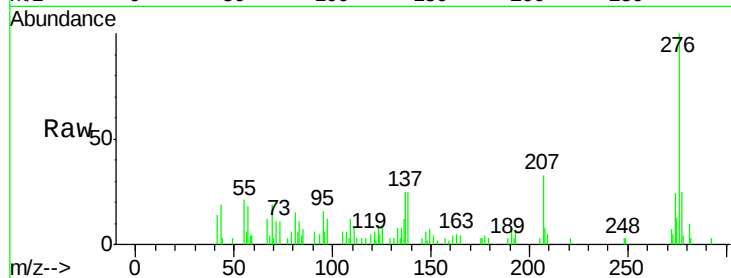
Tot Ion: 276 Resp: 25409

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 25.3 19.9 29.9



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

