

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
 Data File : BF078289.D
 Acq On : 7 Apr 2015 7:59
 Operator : TP/IZ
 Sample : G1779-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(8-10)

Quant Time: Apr 07 07:34:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

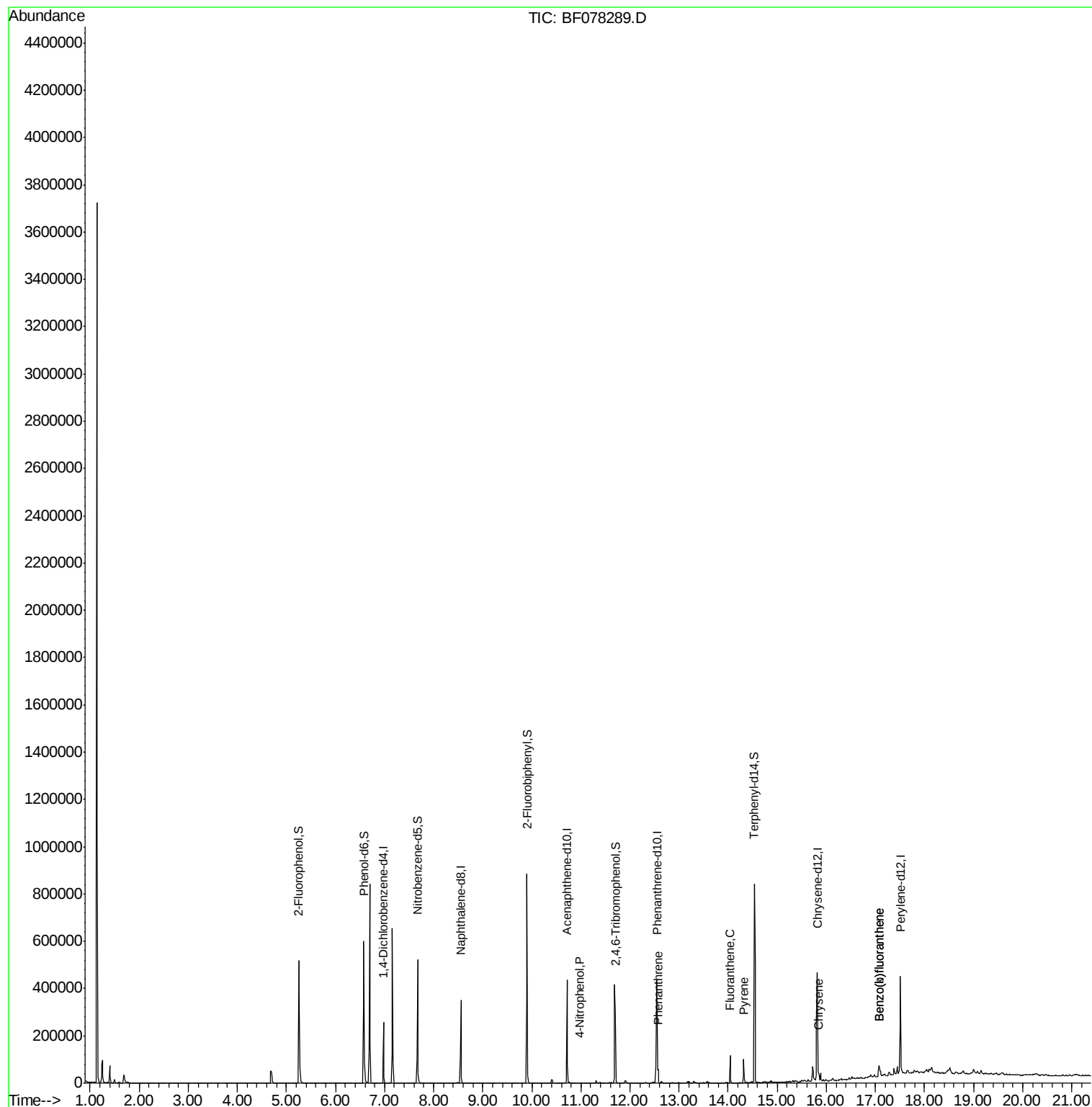
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	44063	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	176064	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	89205	20.00	ng	0.00
63) Phenanthrene-d10	12.55	188	172143	20.00	ng	0.00
75) Chrysene-d12	15.81	240	180818	20.00	ng	0.00
86) Perylene-d12	17.51	264	182269	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	215948	80.80	ng	0.00
7) Phenol-d6	6.58	99	279604	83.48	ng	0.00
23) Nitrobenzene-d5	7.68	82	163993	56.46	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	65217	88.15	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	319712	51.23	ng	0.00
78) Terphenyl-d14	14.53	244	355533	44.43	ng	-0.01
Target Compounds						Qvalue
55) 4-Nitrophenol	10.97	139	580	3.25	ng	# 18
70) Phenanthrene	12.58	178	35279	3.54	ng	99
74) Fluoranthene	14.04	202	53044	5.05	ng	94
77) Pyrene	14.32	202	42368	3.73	ng	96
82) Chrysene	15.85	228	21279	2.11	ng	97
87) Benzo(b)fluoranthene	17.07	252	33325	2.96	ng	# 94
88) Benzo(k)fluoranthene	17.07	252	33324	3.33	ng	99

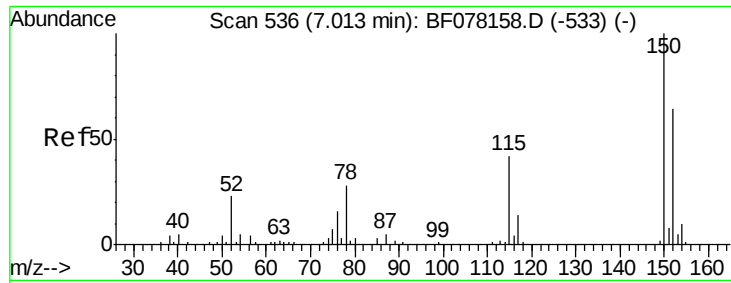
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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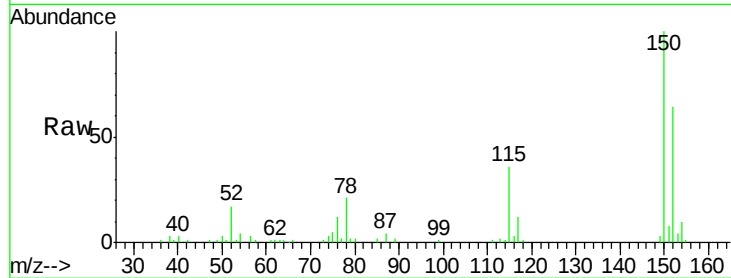




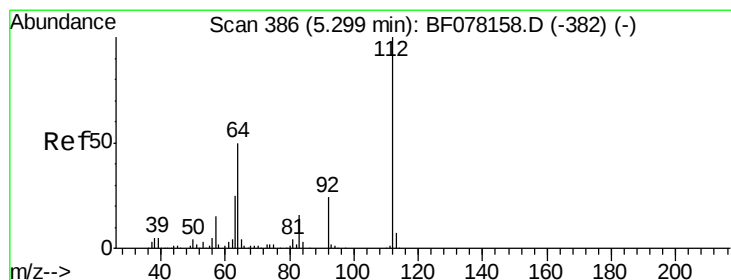
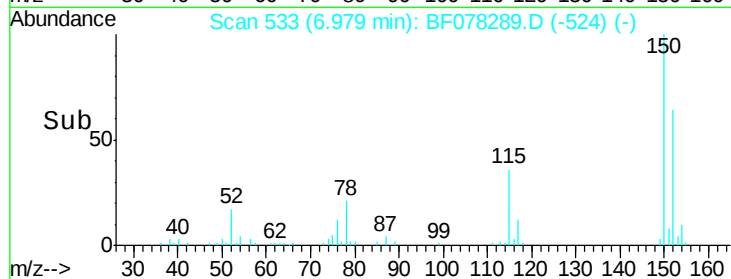
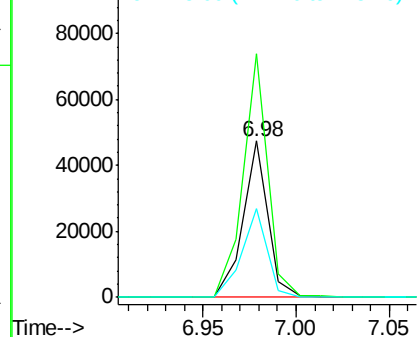
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.98 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(8-10)

Tgt Ion:152 Resp: 44063
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.9 188.9
 115 56.7 52.7 79.1

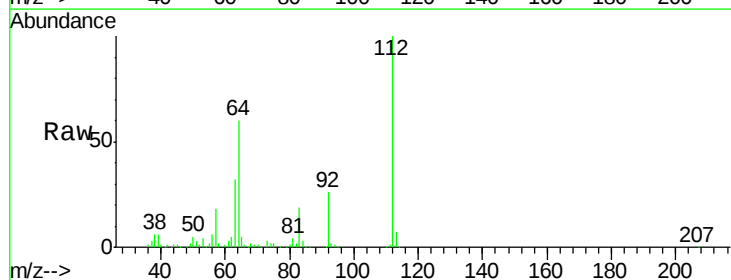


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

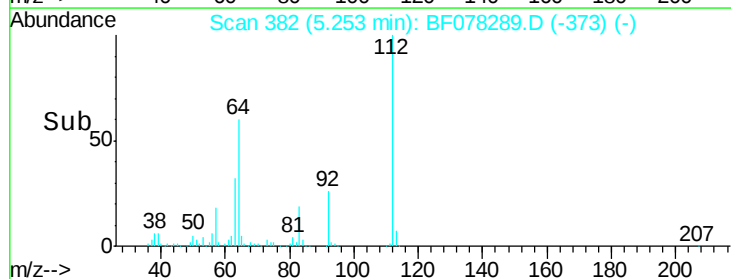
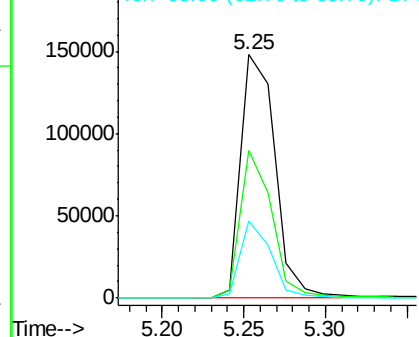


#5
 2-Fluorophenol
 Concen: 80.80 ng
 RT: 5.25 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Tgt Ion:112 Resp: 215948
 Ion Ratio Lower Upper
 112 100
 64 60.5 39.9 59.9#
 63 31.9 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: 83.48 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

Instrument :

BNA_F

ClientSampleId :

SB-6(8-10)

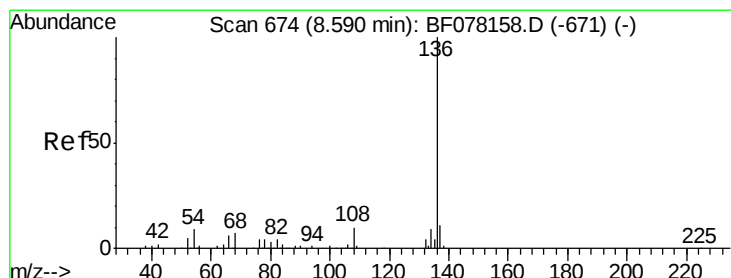
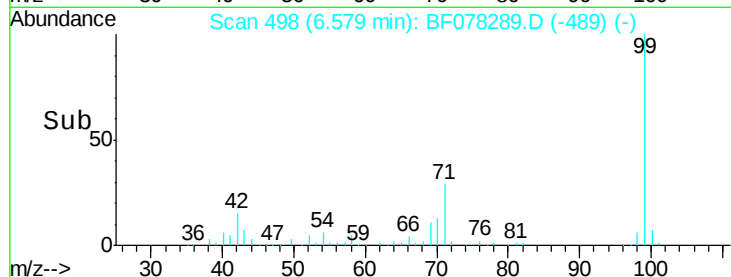
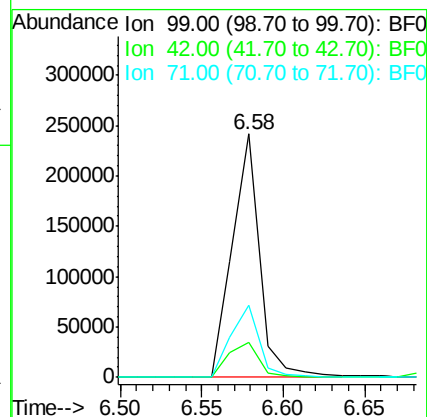
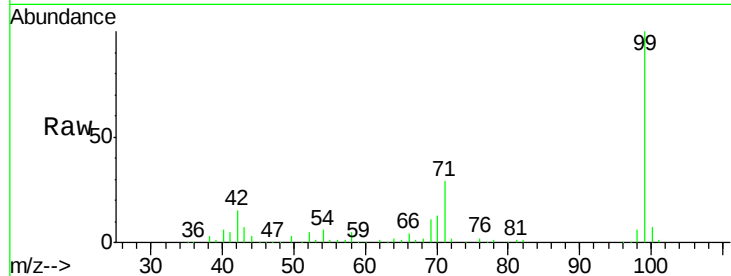
Tgt Ion: 99 Resp: 279604

Ion Ratio Lower Upper

99 100

42 14.6 14.8 22.2#

71 29.4 26.6 39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

Tgt Ion: 136 Resp: 176064

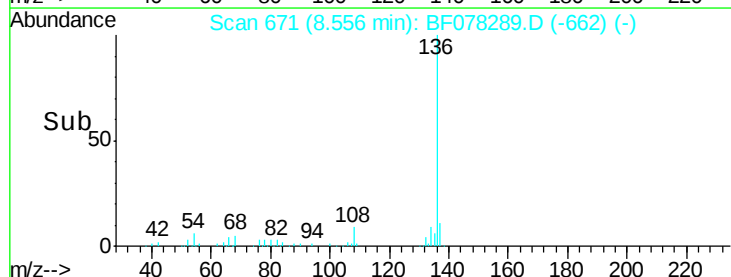
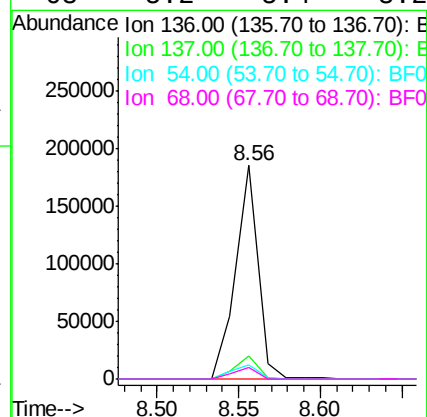
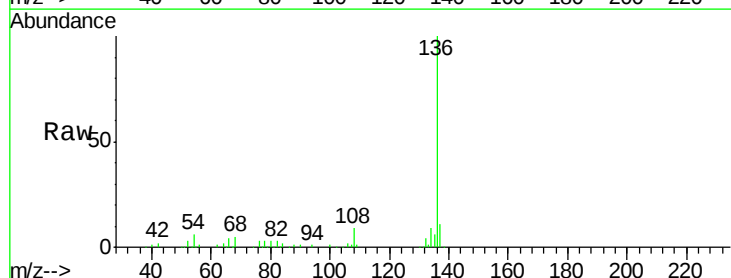
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.5 7.0 10.6#

68 5.2 5.4 8.2#

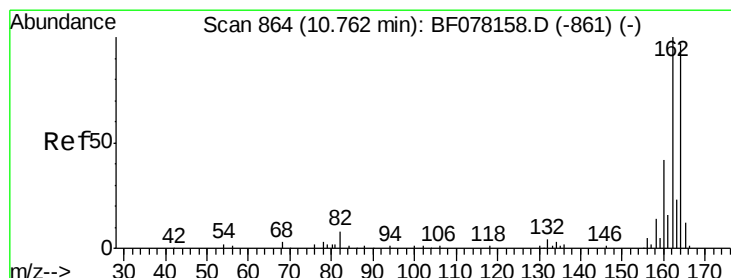
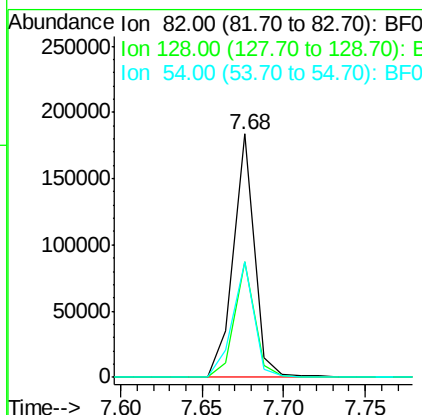
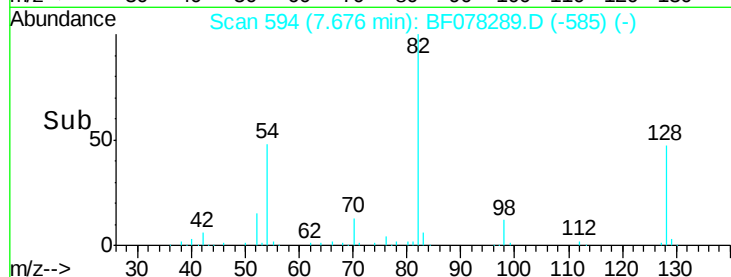
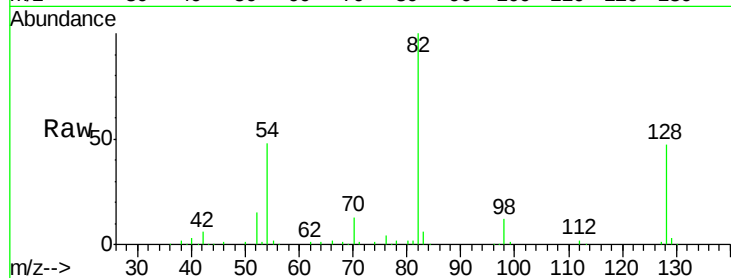




#23
 Nitrobenzene-d5
 Concen: 56.46 ng
 RT: 7.68 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

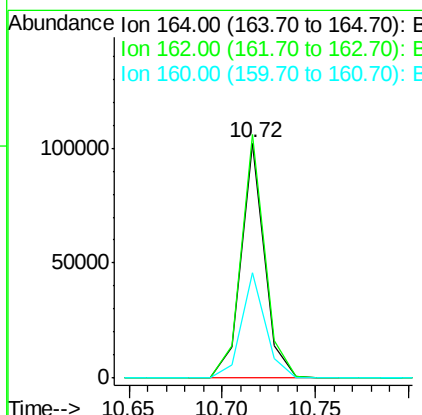
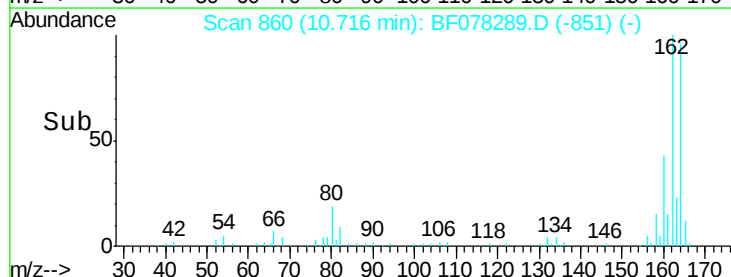
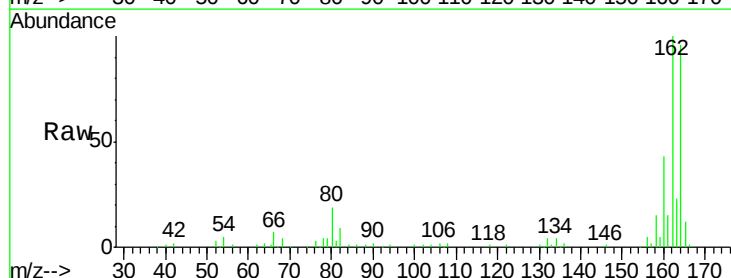
Instrument :
 BNA_F
 ClientSampleID :
 SB-6(8-10)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	31.8	47.8
54	47.6	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.72 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	44.8	34.7	52.1

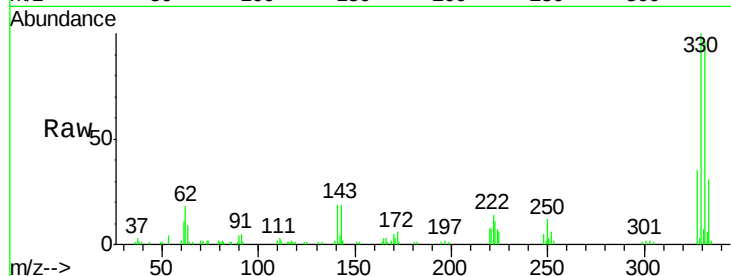




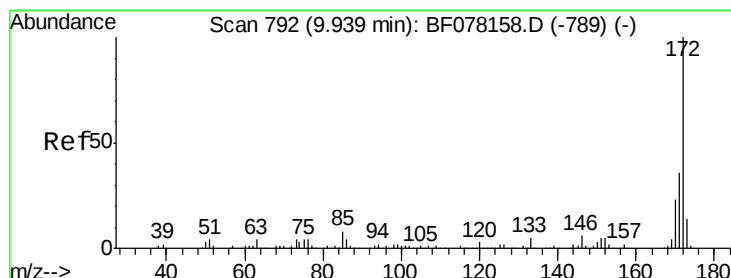
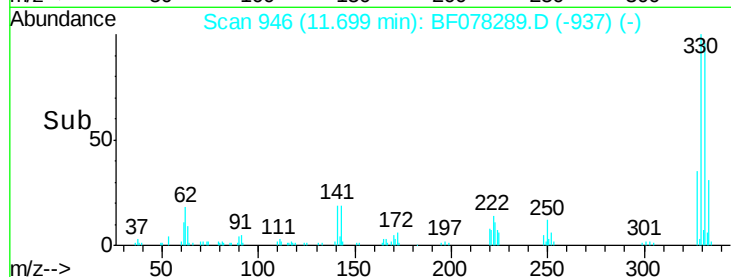
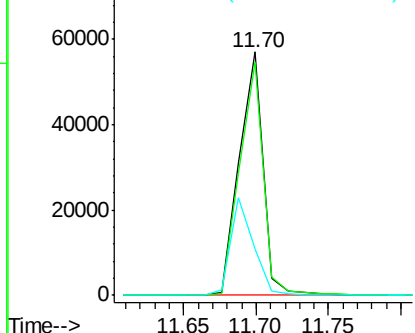
#41
 2,4,6-Tribromophenol
 Concen: 88.15 ng
 RT: 11.70 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(8-10)

Tgt Ion:330 Resp: 65217
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.6 117.8
 141 38.3 31.2 46.8

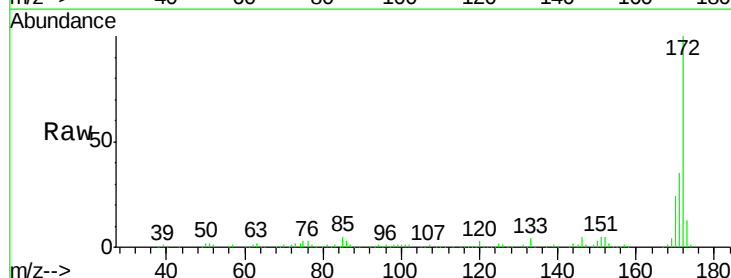


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

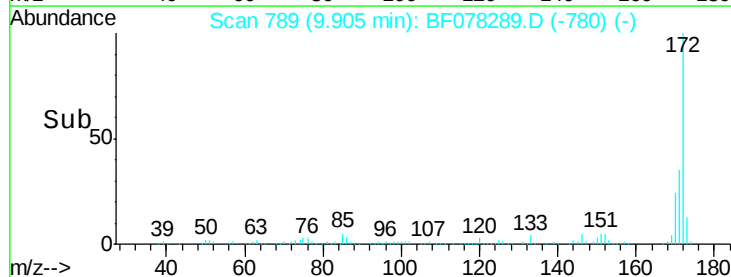
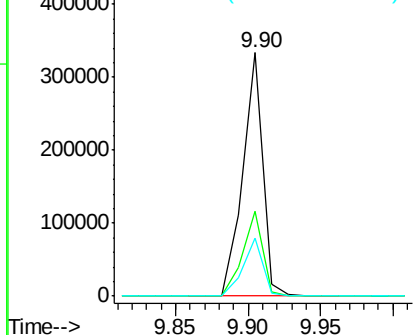


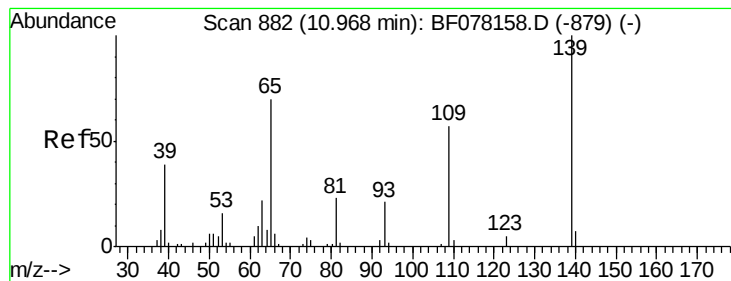
#44
 2-Fluorobiphenyl
 Concen: 51.23 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Tgt Ion:172 Resp: 319712
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.7 18.5 27.7



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





#55

4-Nitrophenol

Concen: 3.25 ng

RT: 10.97 min Scan# 882

Delta R.T. 0.03 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

Instrument :

BNA_F

ClientSampleId :

SB-6(8-10)

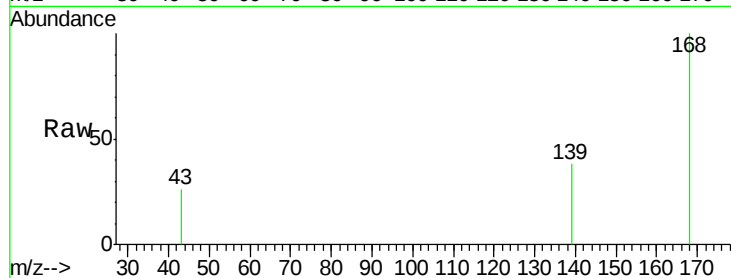
Tgt Ion:139 Resp: 580

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

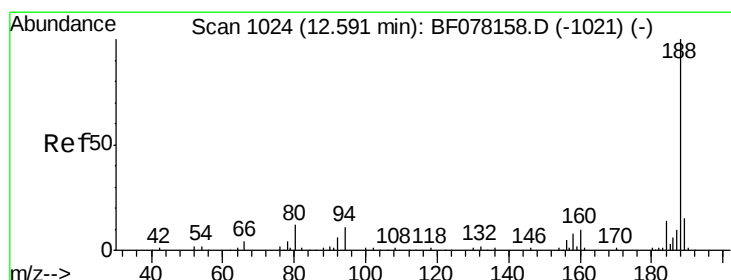
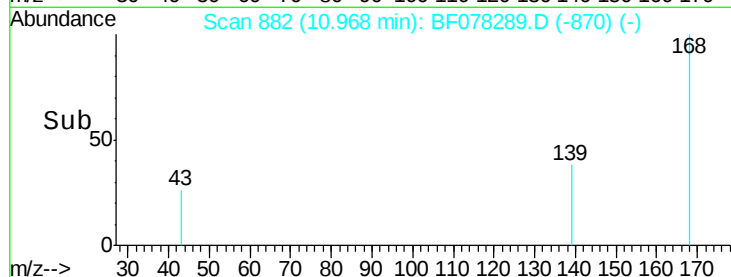
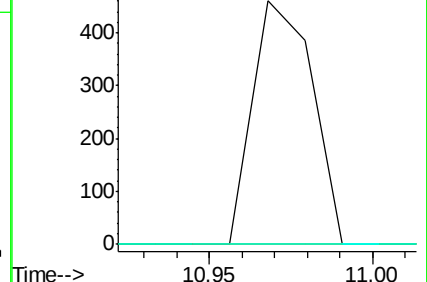
65 0.0 49.9 89.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.55 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

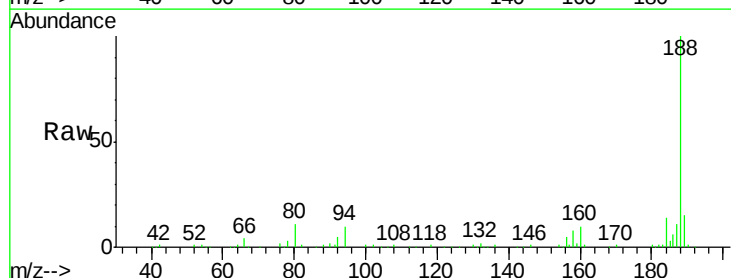
Tgt Ion:188 Resp: 172143

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

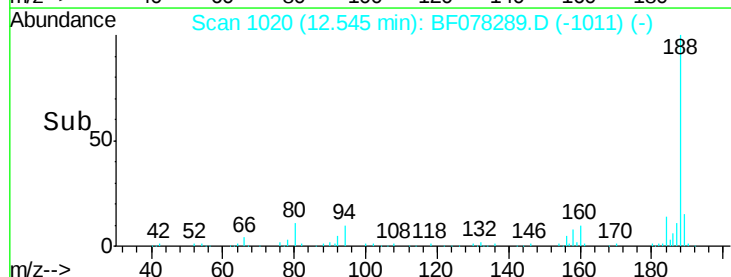
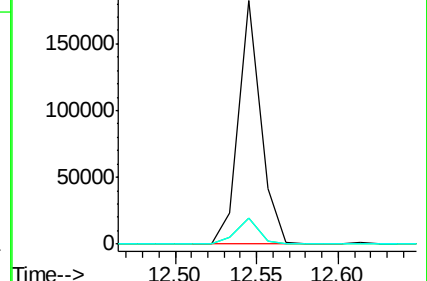
80 10.8 9.5 14.3

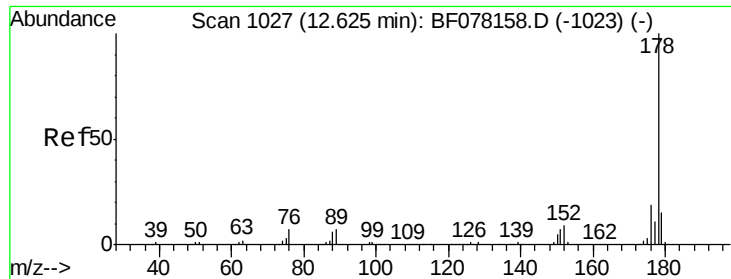


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

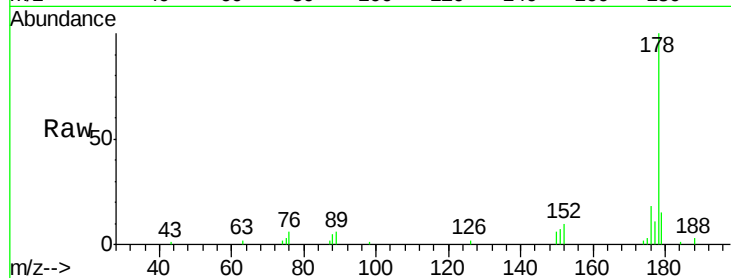




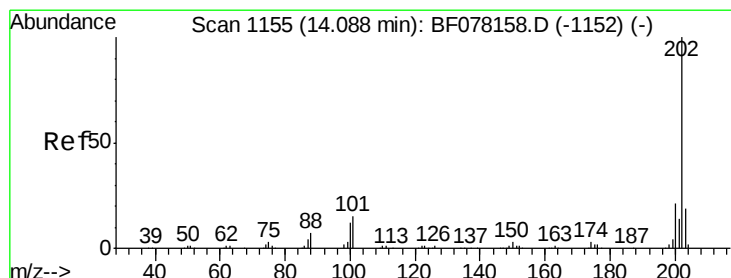
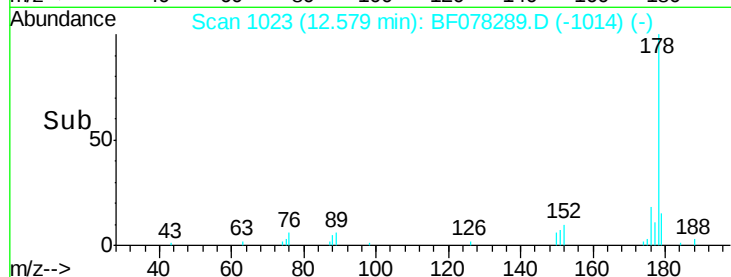
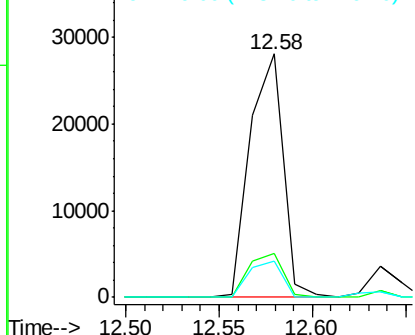
#70
Phenanthrene
Concen: 3.54 ng
RT: 12.58 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF078289.D
Acq: 7 Apr 2015 7:59

Instrument :
BNA_F
ClientSampleId :
SB-6(8-10)

Tgt Ion:178 Resp: 35279
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.9 12.2 18.2

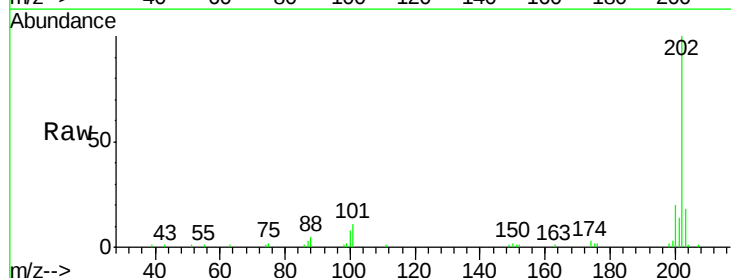


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

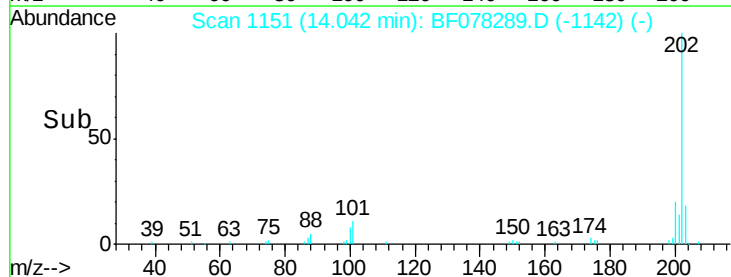
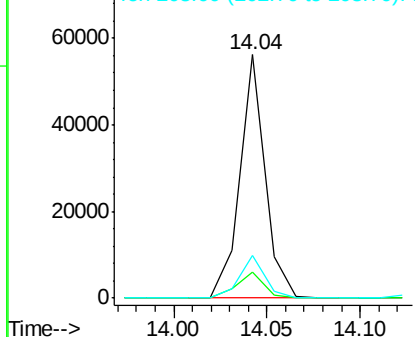


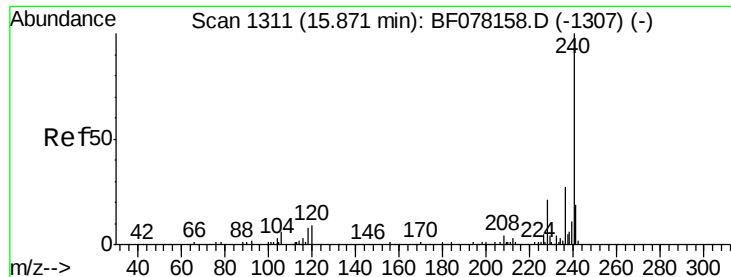
#74
Fluoranthene
Concen: 5.05 ng
RT: 14.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF078289.D
Acq: 7 Apr 2015 7:59

Tgt Ion:202 Resp: 53044
Ion Ratio Lower Upper
202 100
101 10.8 0.0 35.2
203 17.6 0.0 38.5



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

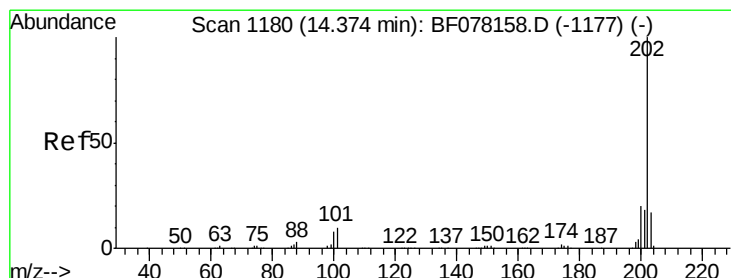
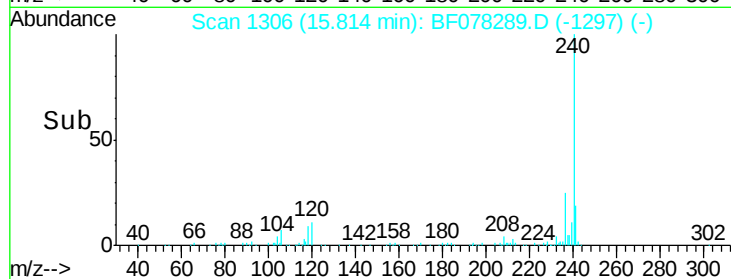
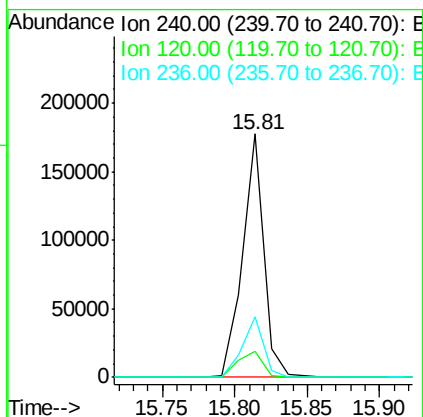
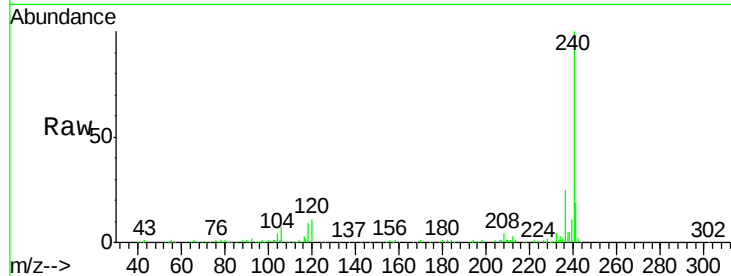




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.81 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

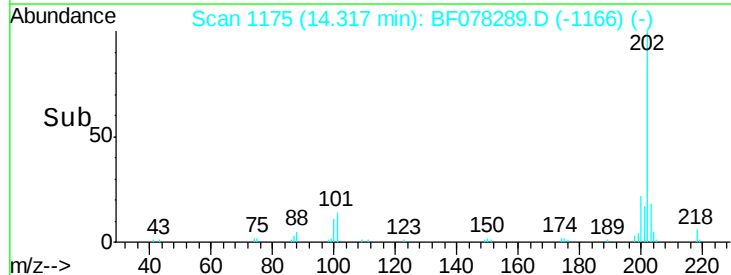
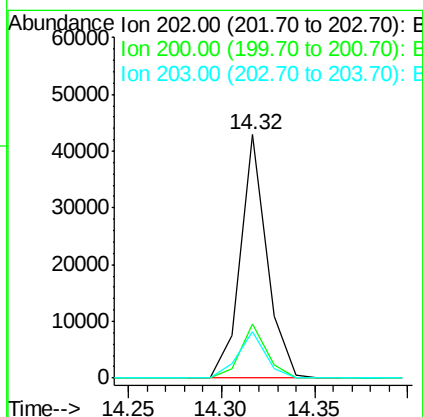
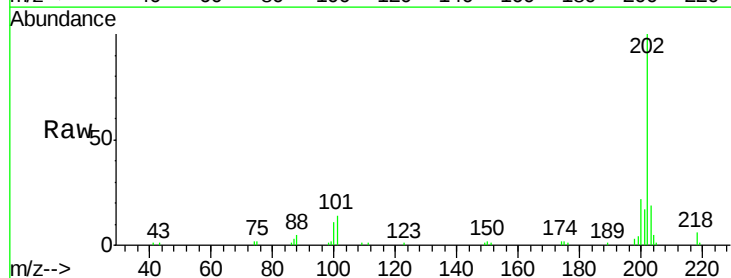
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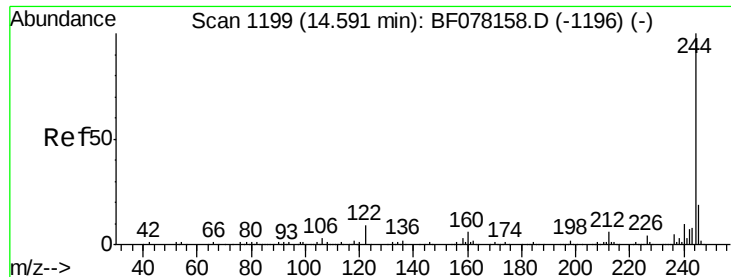
Tgt Ion:240 Resp: 180818
 Ion Ratio Lower Upper
 240 100
 120 10.6 7.1 10.7
 236 25.1 21.4 32.2



#77
 Pyrene
 Concen: 3.73 ng
 RT: 14.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF078289.D
 Acq: 7 Apr 2015 7:59

Tgt Ion:202 Resp: 42368
 Ion Ratio Lower Upper
 202 100
 200 22.3 16.3 24.5
 203 19.2 13.8 20.6





#78

Terphenyl-d14

Concen: 44.43 ng

RT: 14.53 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

Instrument :

BNA_F

ClientSampleId :

SB-6(8-10)

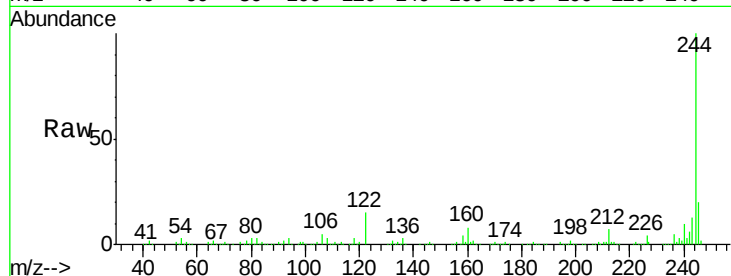
Tgt Ion:244 Resp: 355533

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

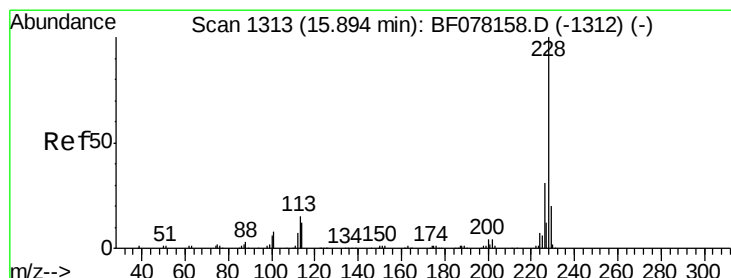
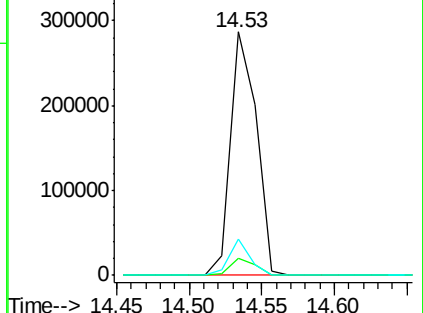
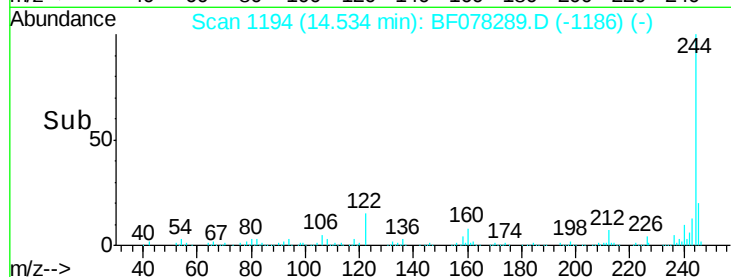
122 14.8 7.1 10.7#



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



#82

Chrysene

Concen: 2.11 ng

RT: 15.85 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

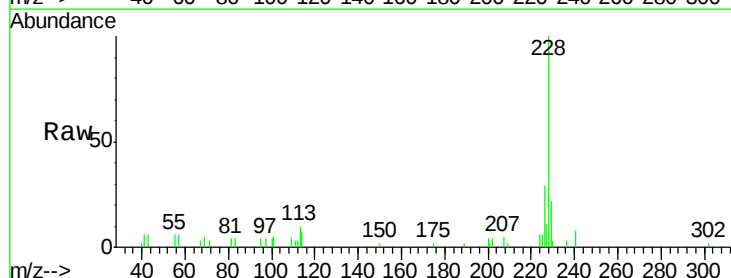
Tgt Ion:228 Resp: 21279

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

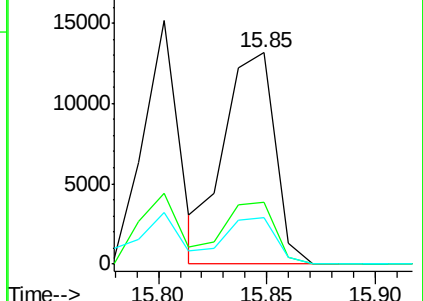
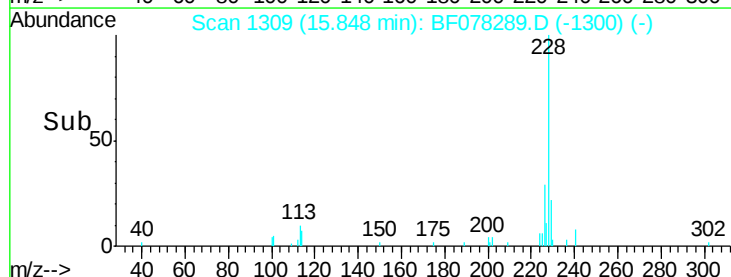
229 21.7 15.8 23.8

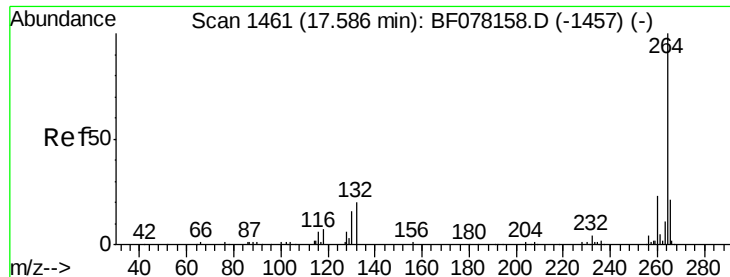


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

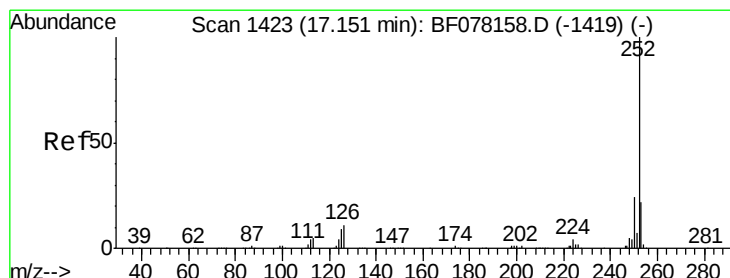
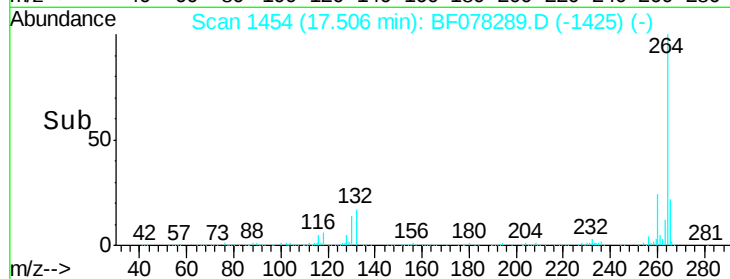
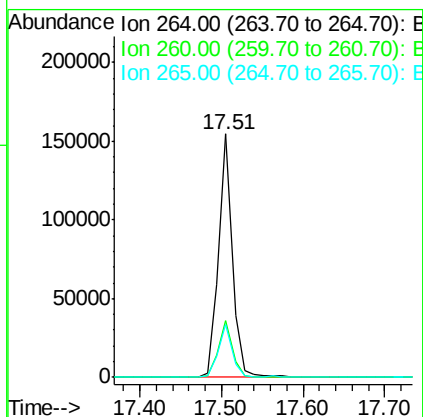
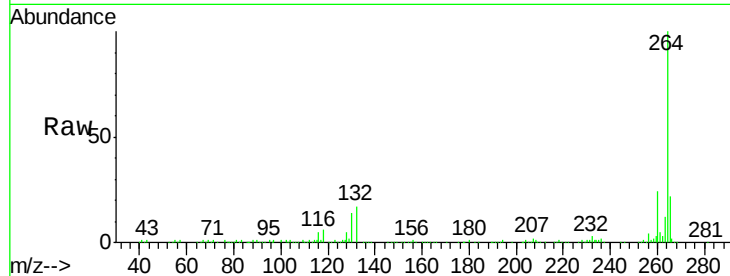




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.51 min Scan# 1454
Delta R.T. 0.03 min
Lab File: BF078289.D
Acq: 7 Apr 2015 7:59

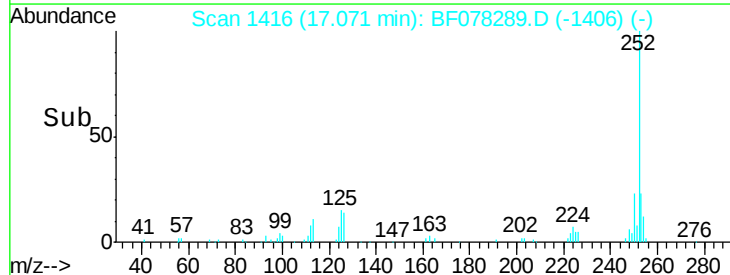
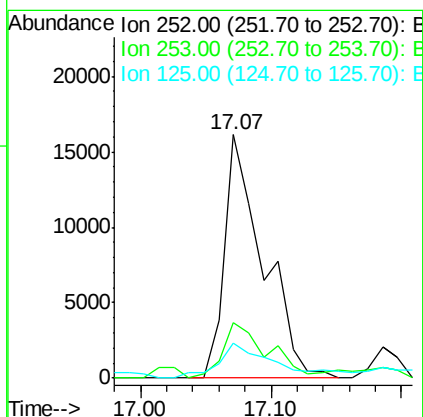
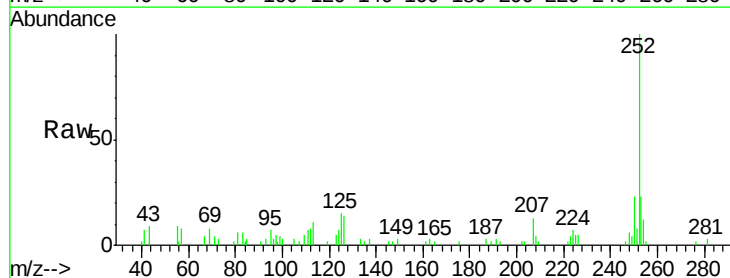
Instrument :
BNA_F
ClientSampleId :
SB-6(8-10)

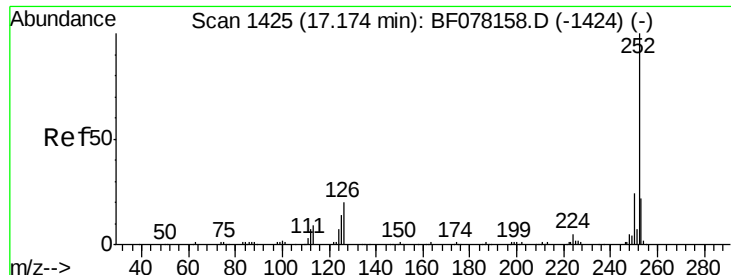
Tgt Ion:264 Resp: 182269
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.8 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 2.96 ng
RT: 17.07 min Scan# 1416
Delta R.T. 0.01 min
Lab File: BF078289.D
Acq: 7 Apr 2015 7:59

Tgt Ion:252 Resp: 33325
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 14.6 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 3.33 ng

RT: 17.07 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF078289.D

Acq: 7 Apr 2015 7:59

Instrument :

BNA_F

ClientSampleId :

SB-6(8-10)

Tgt Ion:252 Resp: 33324

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 14.6 11.6 17.4

