

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
 Data File : BF079010.D
 Acq On : 7 May 2015 22:01
 Operator : TP/IZ
 Sample : G2116-11 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Quant Time: May 08 01:09:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	60952	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	252975	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	129343	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	252334	20.00	ng	0.01
75) Chrysene-d12	16.26	240	268150	20.00	ng	-0.01
86) Perylene-d12	18.07	264	286215	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	80806	22.82	ng	0.01
7) Phenol-d6	6.90	99	107009	22.86	ng	0.01
23) Nitrobenzene-d5	8.03	82	56943	12.94	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	28479	20.35	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	122390	13.18	ng	0.00
78) Terphenyl-d14	14.95	244	139148	12.42	ng	0.01

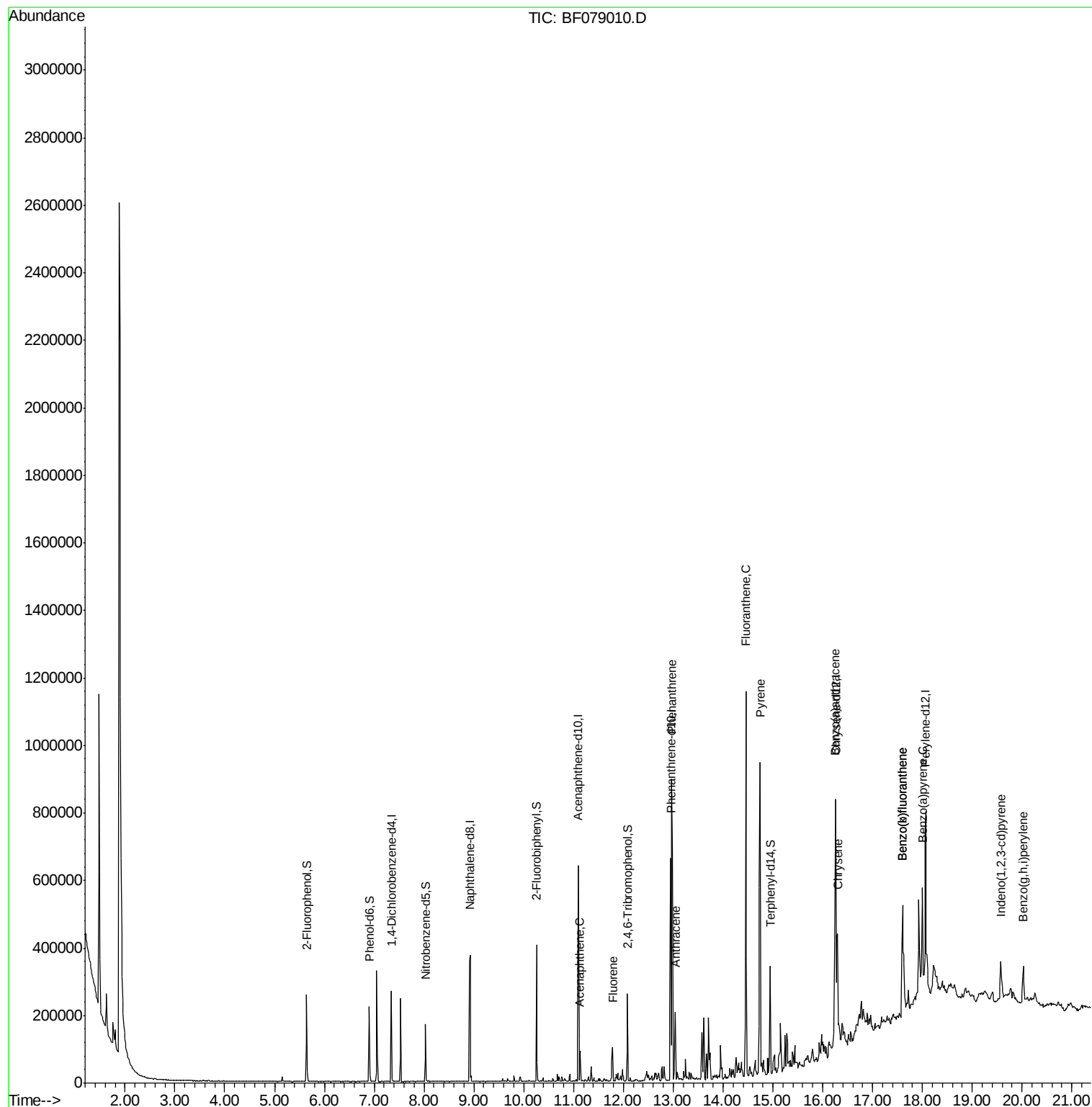
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	11.13	154	28723	3.66	ng	97
57) Fluorene	11.78	166	33475	3.60	ng	97
70) Phenanthrene	12.97	178	468127	33.16	ng	99
71) Anthracene	13.04	178	80710	5.83	ng	98
74) Fluoranthene	14.46	202	489745	33.29	ng	99
77) Pyrene	14.74	202	430874	27.88	ng	99
80) Benzo(a)anthracene	16.25	228	189718	12.92	ng	99
82) Chrysene	16.30	228	152736	10.81	ng	98
85) Indeno(1,2,3-cd)pyrene	19.58	276	94997	5.28	ng	# 100
87) Benzo(b)fluoranthene	17.60	252	276399	17.64	ng	99
88) Benzo(k)fluoranthene	17.60	252	278152	18.34	ng	99
89) Benzo(a)pyrene	18.00	252	157291	10.90	ng	97
91) Benzo(g,h,i)perylene	20.02	276	88392	5.75	ng	97

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

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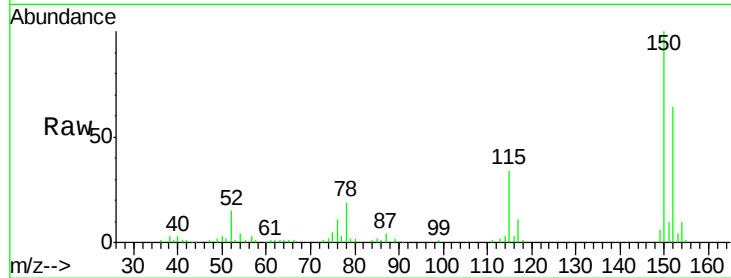




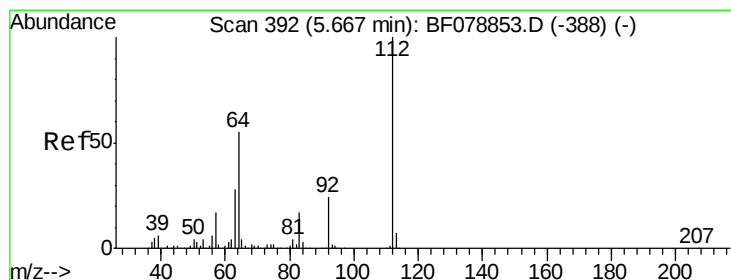
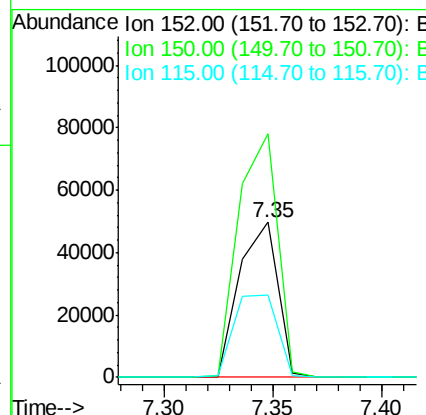
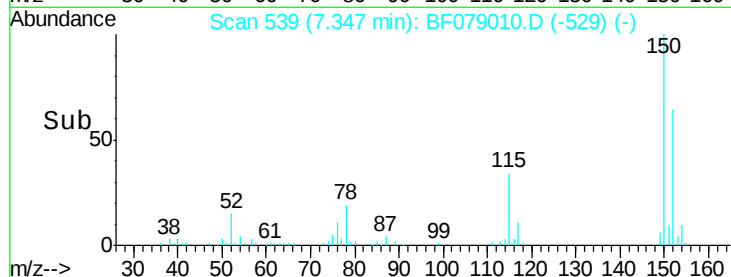
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampled :
 SB-45S

Tgt Ion:152 Resp: 60952
 Ion Ratio Lower Upper
 152 100
 150 157.2 122.0 183.0
 115 53.2 46.3 69.5

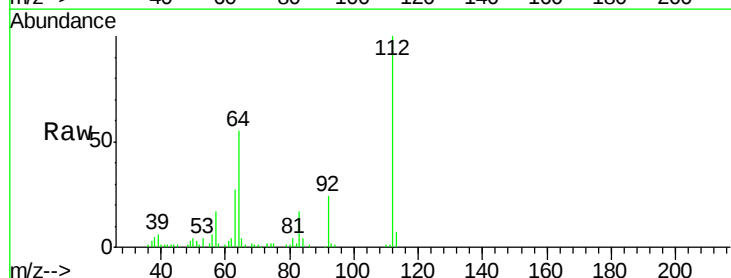


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

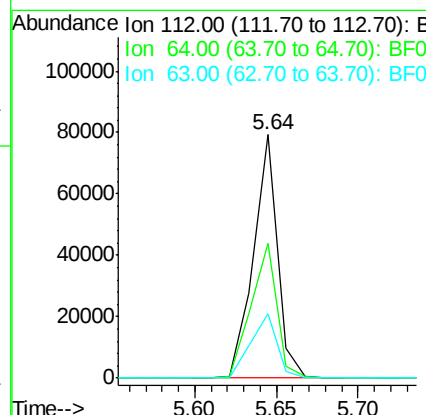
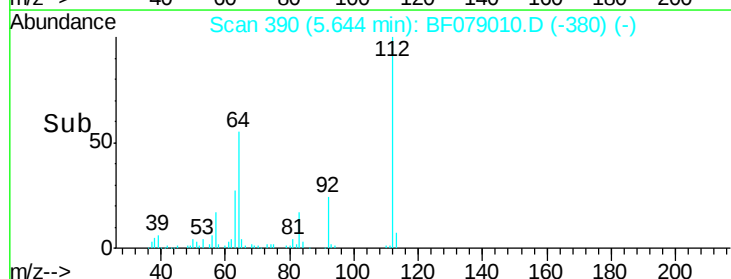


#5
 2-Fluorophenol
 Concen: 22.82 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion:112 Resp: 80806
 Ion Ratio Lower Upper
 112 100
 64 55.4 53.5 80.3
 63 26.7 27.5 41.3#



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: 22.86 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-45S

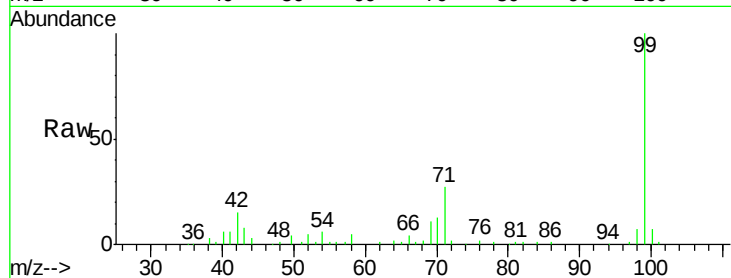
Tgt Ion: 99 Resp: 107009

Ion Ratio Lower Upper

99 100

42 14.8 12.8 19.2

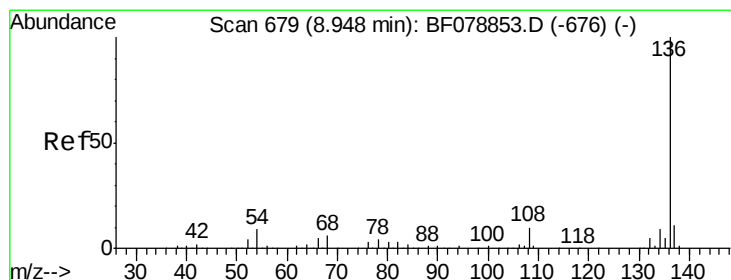
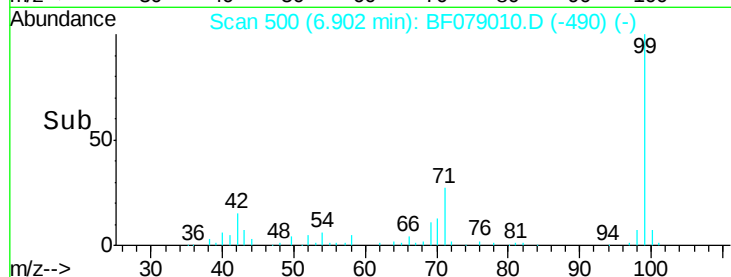
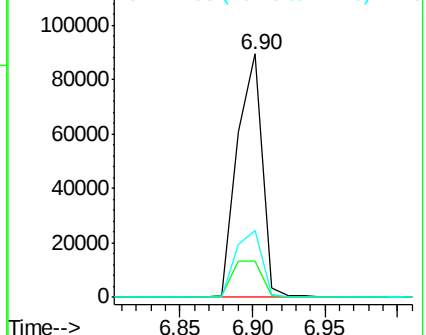
71 27.3 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Tgt Ion: 136 Resp: 252975

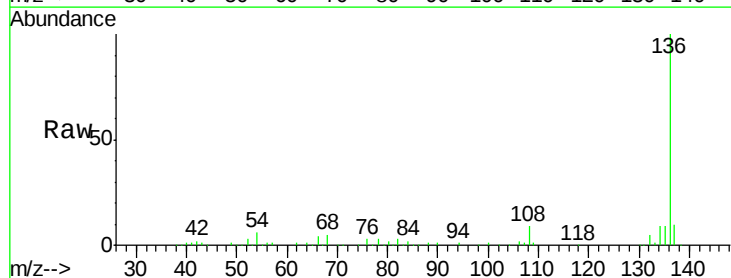
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.0 5.8 8.8

68 4.7 4.2 6.4

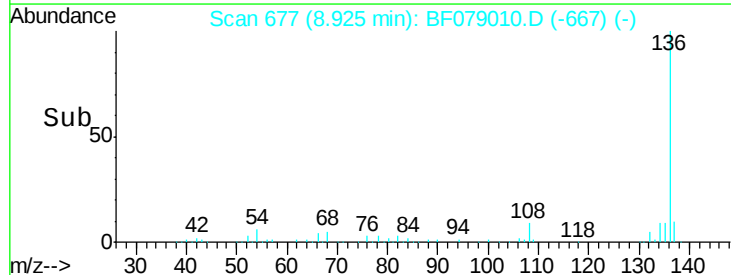
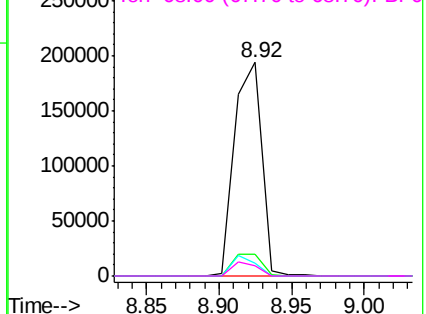


Abundance Ion 136.00 (135.70 to 136.70): E

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

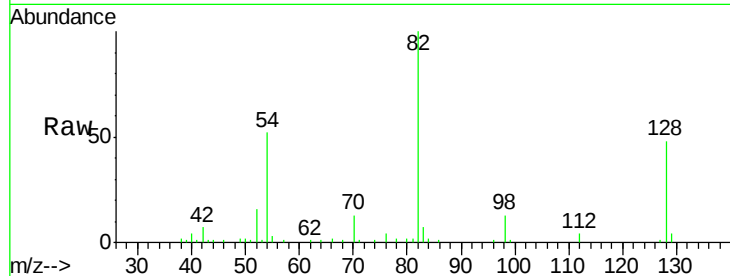




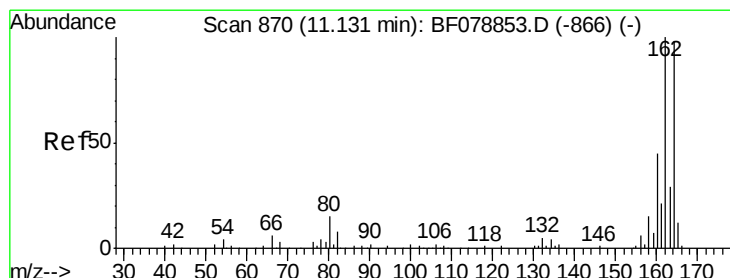
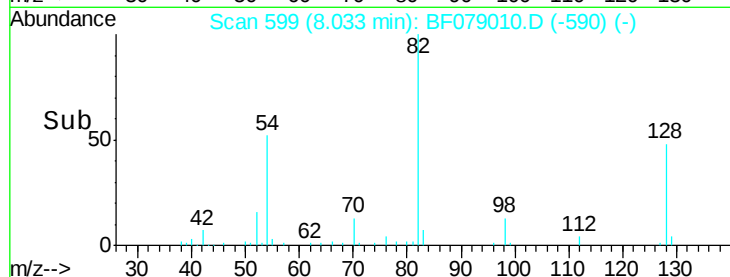
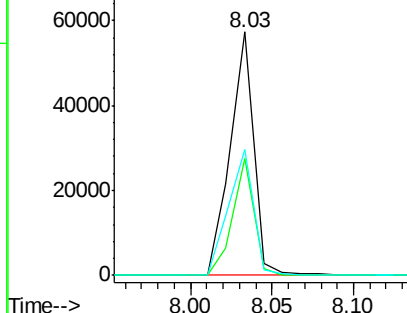
#23
 Nitrobenzene-d5
 Concen: 12.94 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.9	30.0	45.0#
54	51.7	46.4	69.6

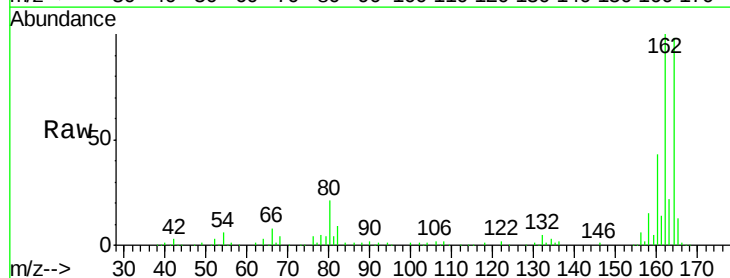


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

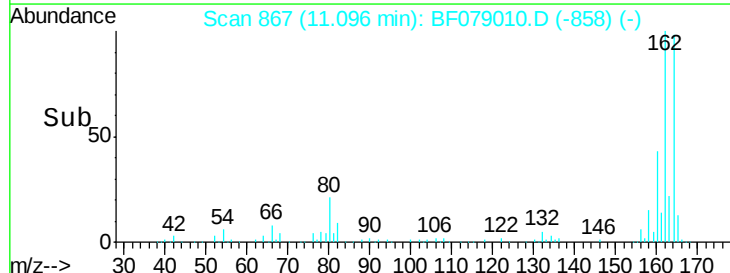
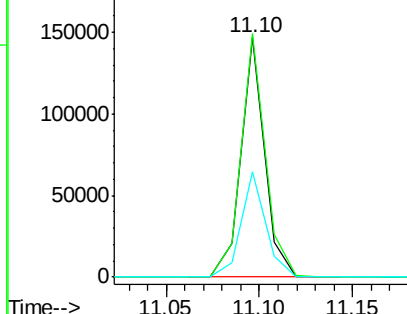


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.7	124.1
160	44.2	35.8	53.8



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

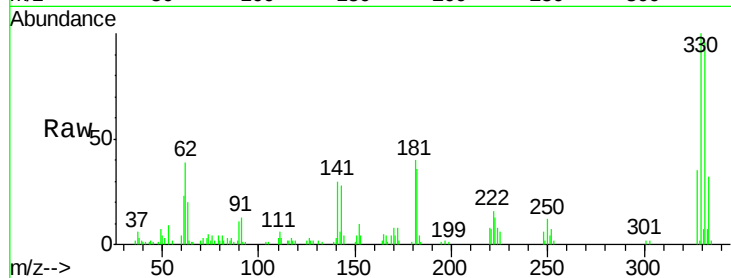




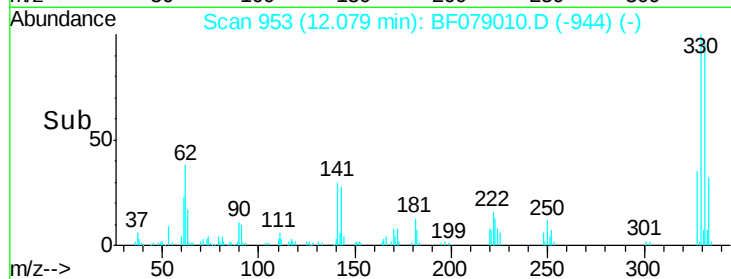
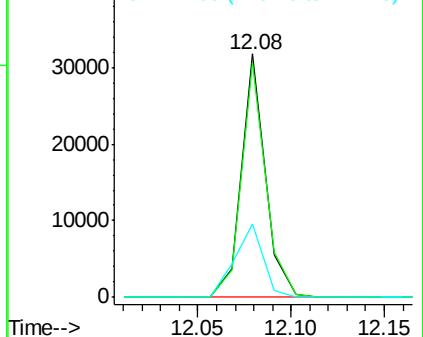
#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

Tgt Ion:330 Resp: 28479
 Ion Ratio Lower Upper
 330 100
 332 97.6 0.0 0.0#
 141 35.9 0.0 0.0#

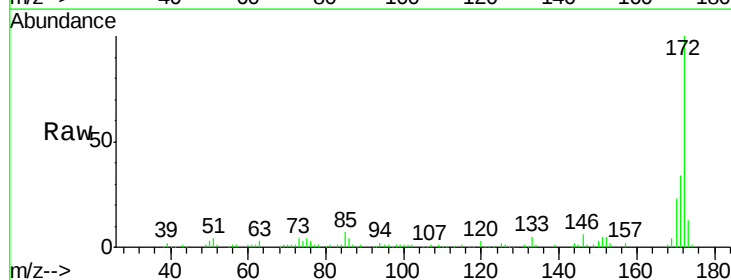


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

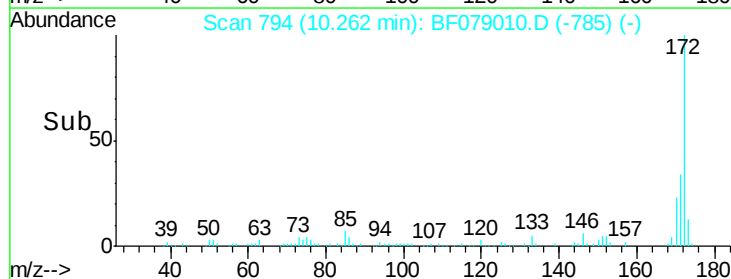
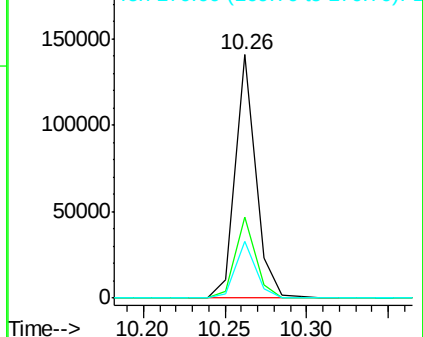


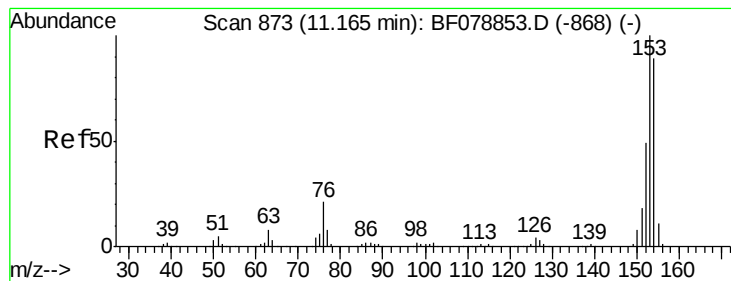
#44
 2-Fluorobiphenyl
 Concen: 13.18 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion:172 Resp: 122390
 Ion Ratio Lower Upper
 172 100
 171 33.5 27.9 41.9
 170 23.4 19.4 29.0



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





#51

Acenaphthene

Concen: 3.66 ng

RT: 11.13 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-45S

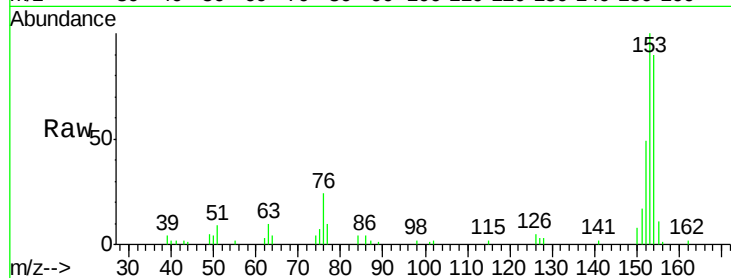
Tgt Ion:154 Resp: 28723

Ion Ratio Lower Upper

154 100

153 110.8 91.5 137.3

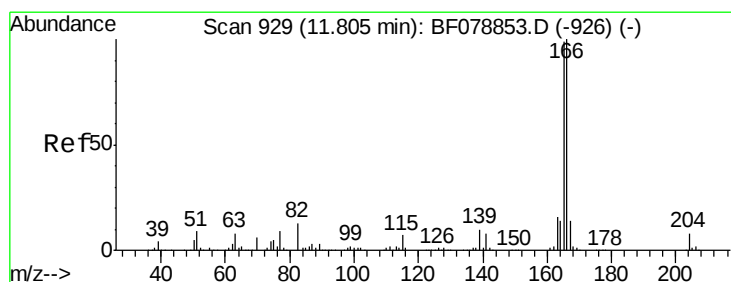
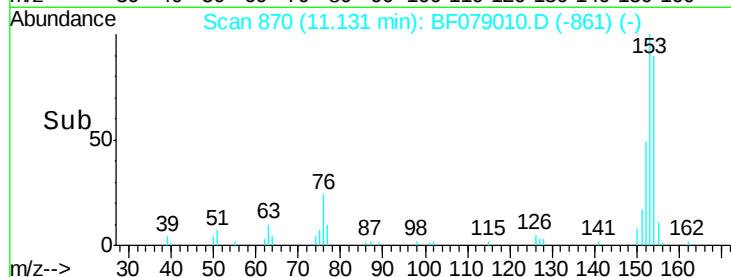
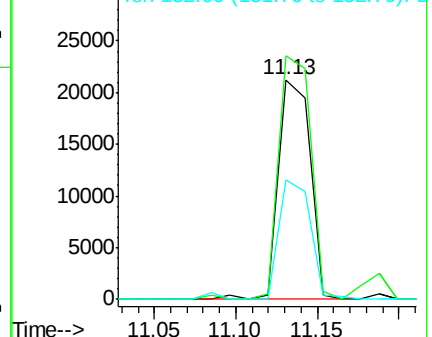
152 54.2 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.60 ng

RT: 11.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

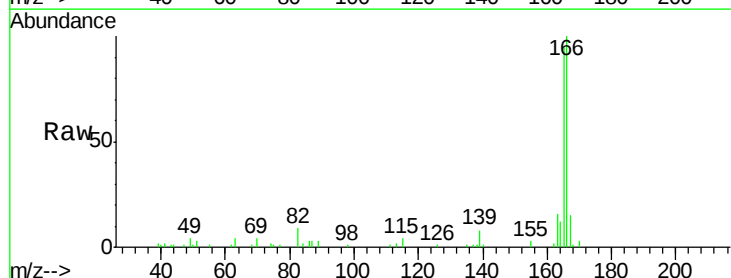
Tgt Ion:166 Resp: 33475

Ion Ratio Lower Upper

166 100

165 95.0 78.5 117.7

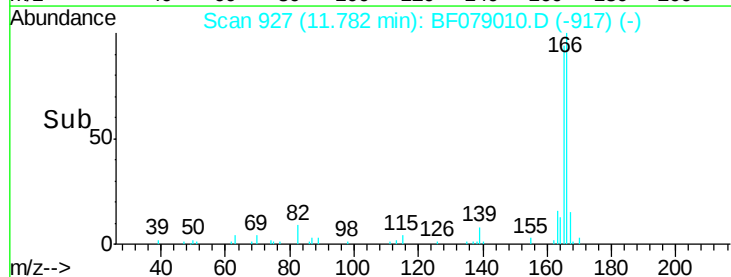
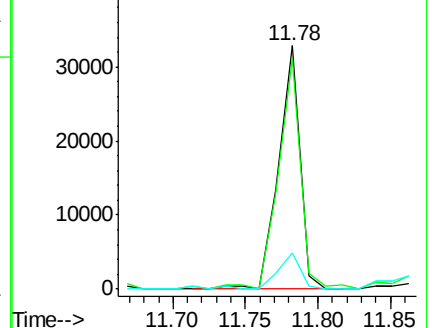
167 14.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

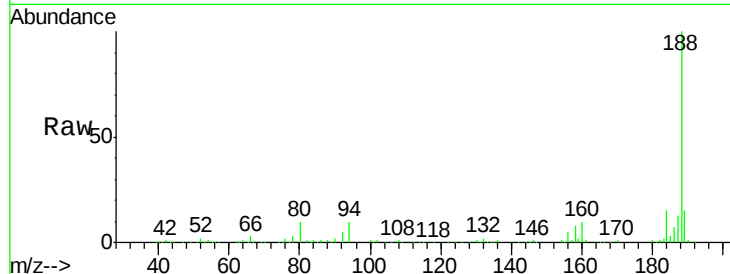




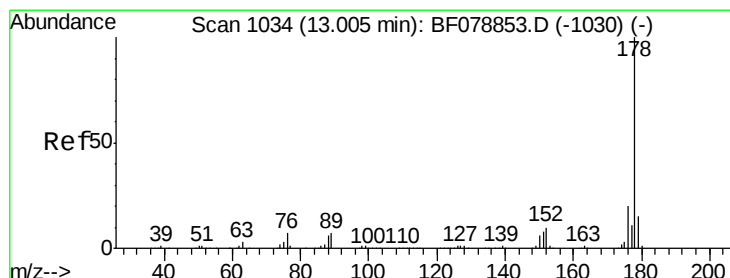
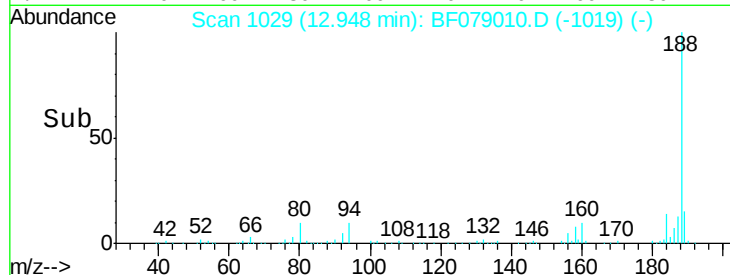
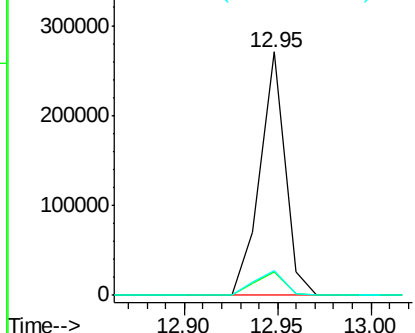
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Instrument :
BNA_F
ClientSampleId :
SB-45S

Tgt Ion:188 Resp: 252334
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 9.9 8.9 13.3

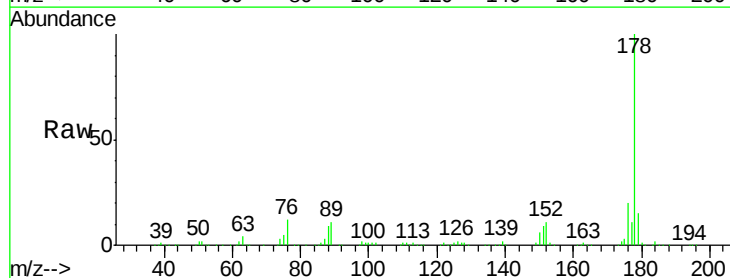


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

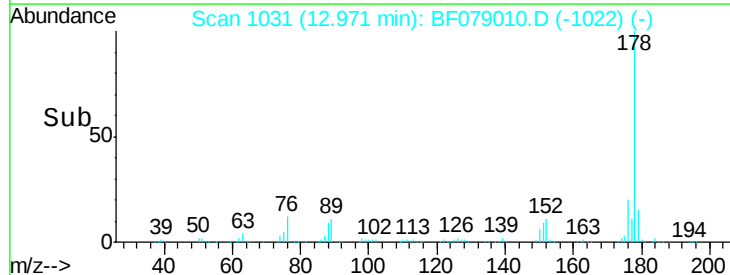
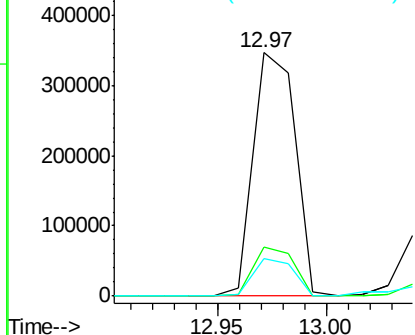


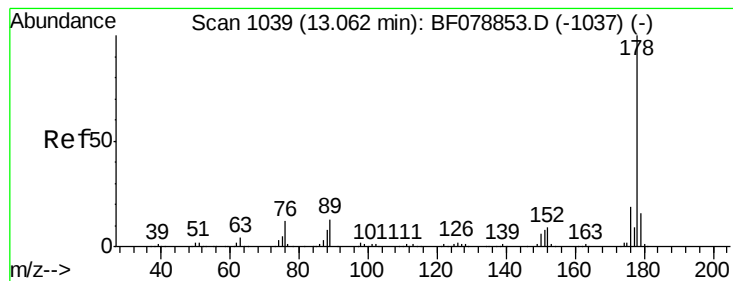
#70
Phenanthrene
Concen: 33.16 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion:178 Resp: 468127
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.2 12.5 18.7



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: 5.83 ng

RT: 13.04 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-45S

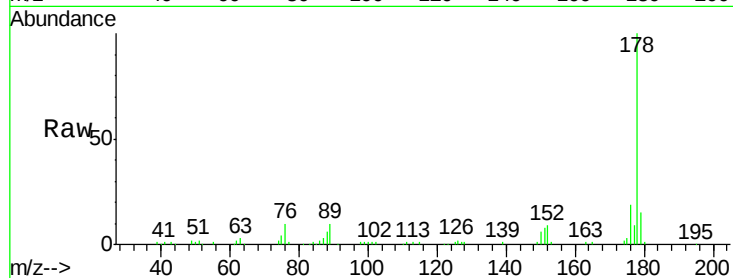
Tgt Ion:178 Resp: 80710

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

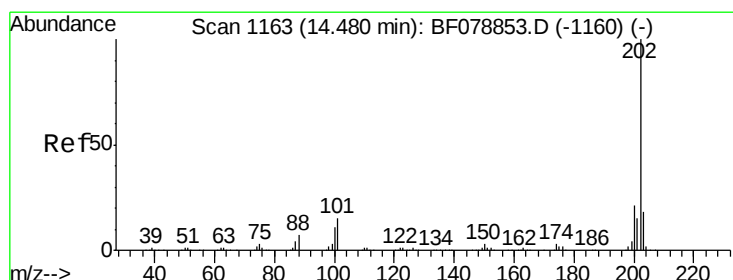
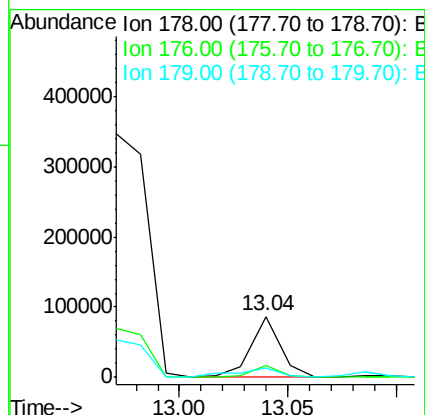
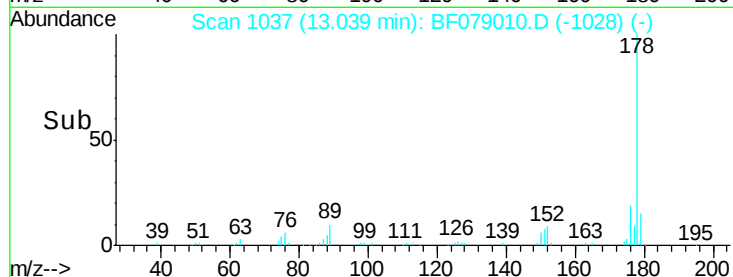
179 14.6 12.7 19.1



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: 33.29 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

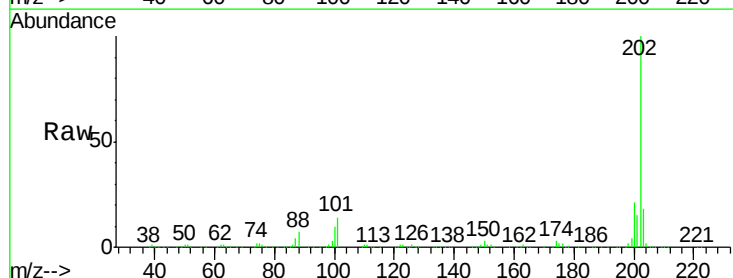
Tgt Ion:202 Resp: 489745

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.6

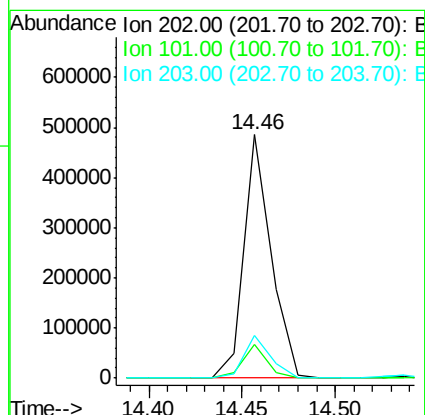
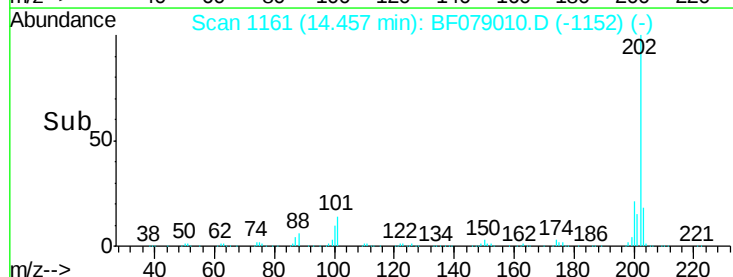
203 17.7 0.0 38.4

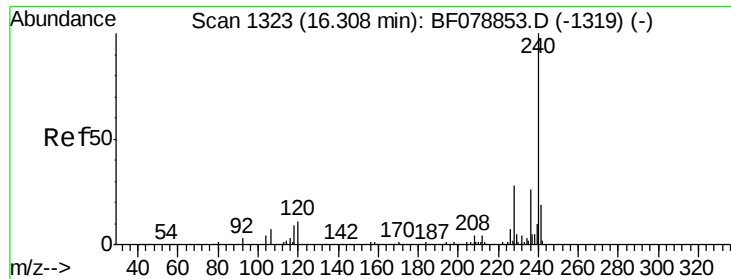


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

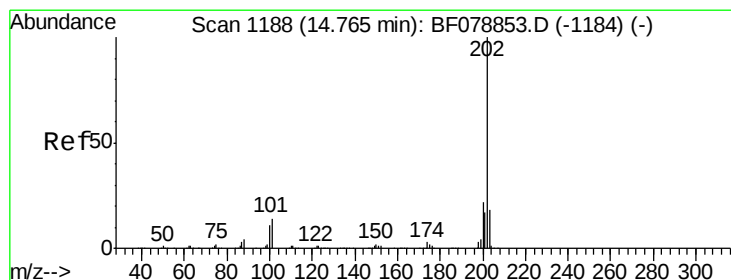
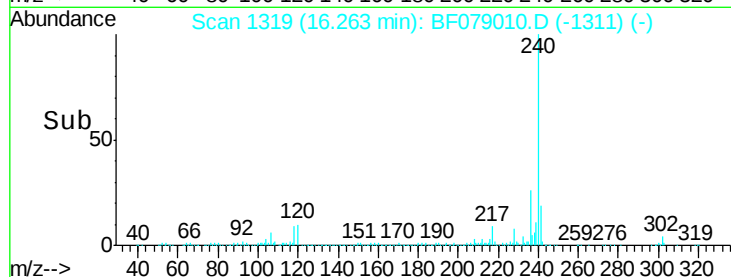
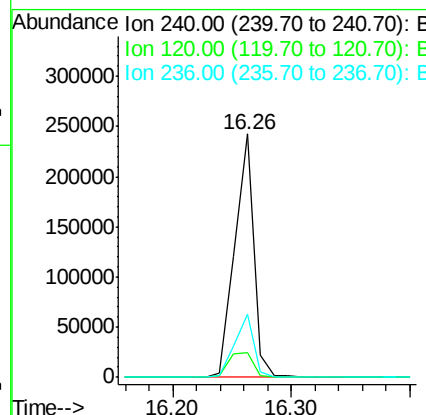
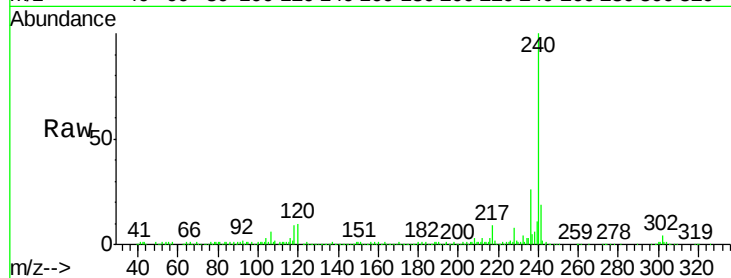




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

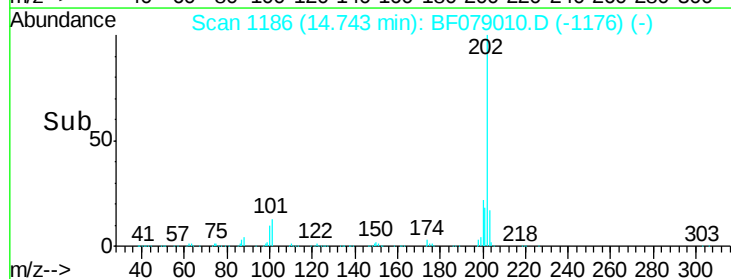
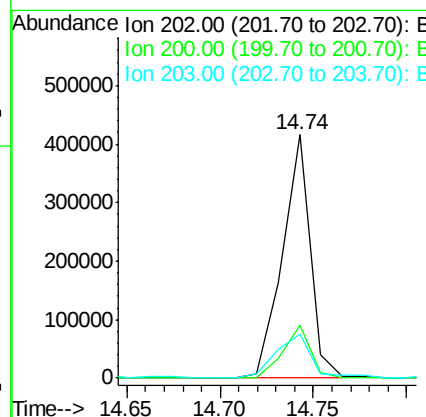
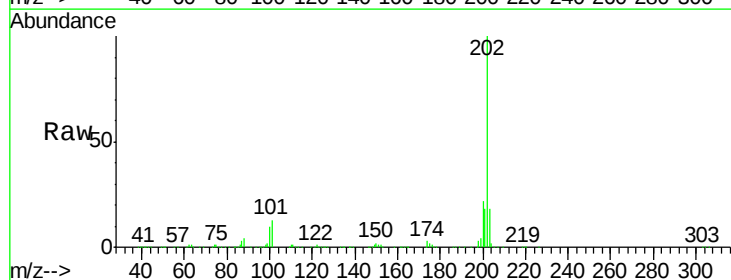
Instrument :
 BNA_F
 ClientSampleId :
 SB-45S

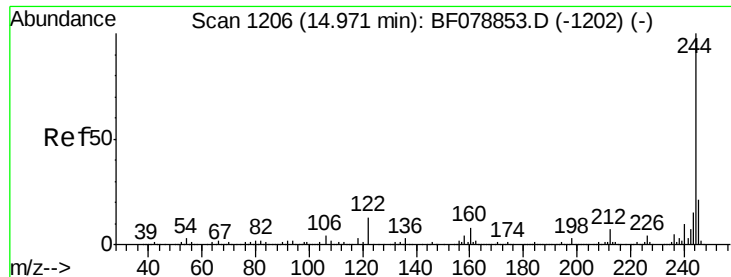
Tgt Ion:240 Resp: 268150
 Ion Ratio Lower Upper
 240 100
 120 10.0 9.7 14.5
 236 25.7 20.2 30.4



#77
 Pyrene
 Concen: 27.88 ng
 RT: 14.74 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion:202 Resp: 430874
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.5 26.3
 203 17.9 13.9 20.9

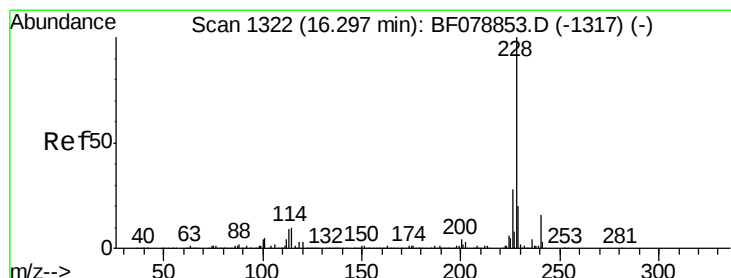
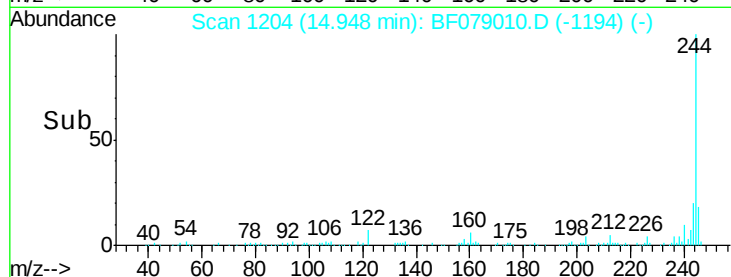
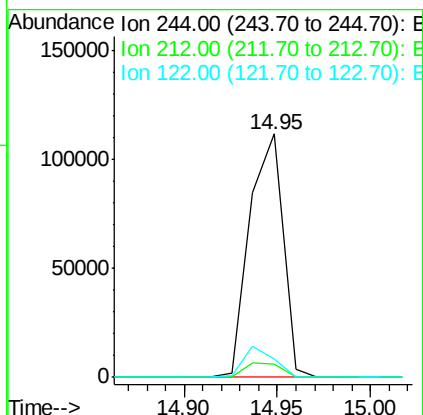
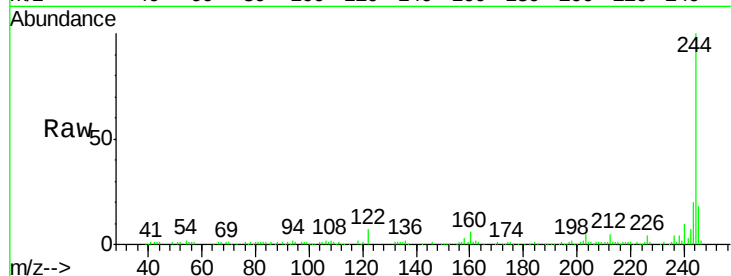




#78
 Terphenyl-d14
 Concen: 12.42 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

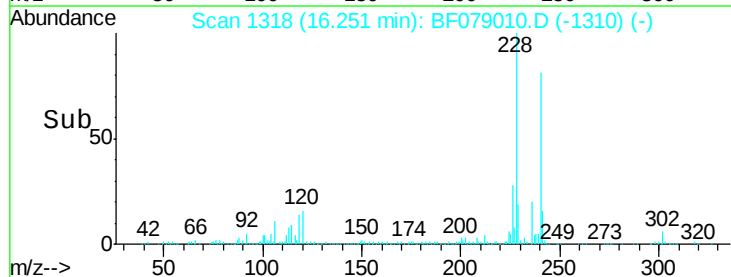
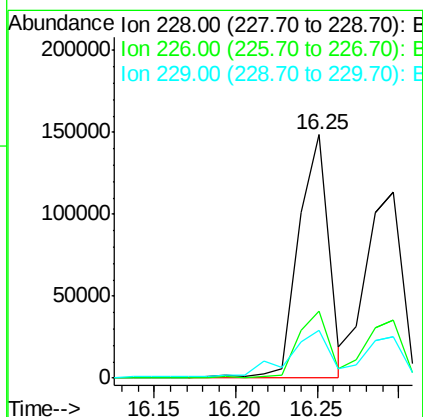
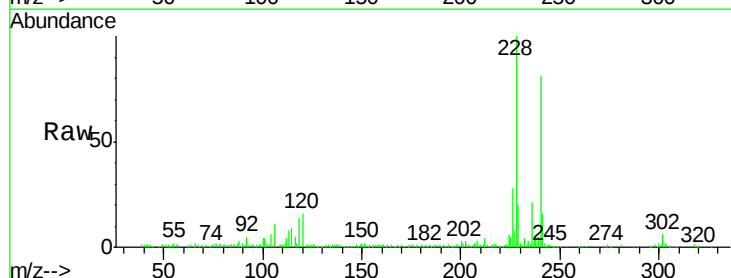
Instrument :
 BNA_F
 ClientSampleID :
 SB-45S

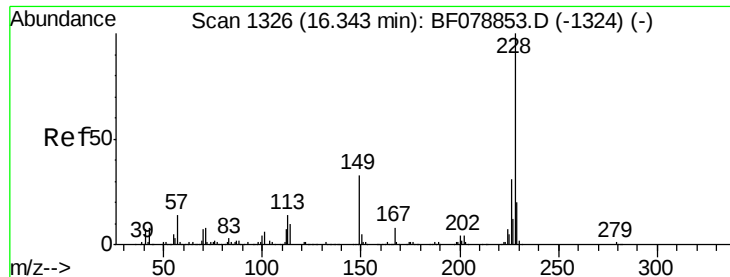
Tgt Ion: 244 Resp: 139148
 Ion Ratio Lower Upper
 244 100
 212 5.4 5.6 8.4#
 122 7.4 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 12.92 ng
 RT: 16.25 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF079010.D
 Acq: 7 May 2015 22:01

Tgt Ion: 228 Resp: 189718
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 19.6 15.9 23.9





#82

Chrysene

Concen: 10.81 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-45S

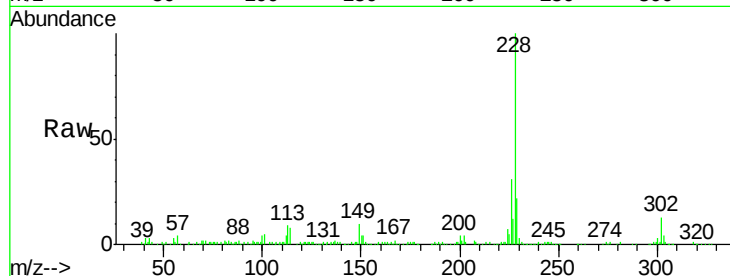
Tgt Ion:228 Resp: 152736

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

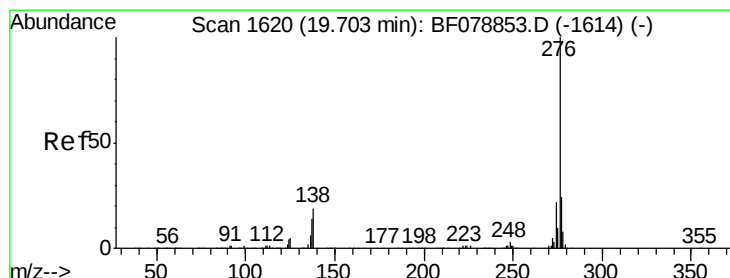
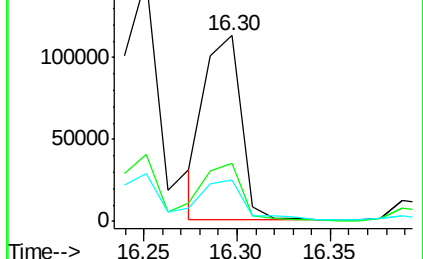
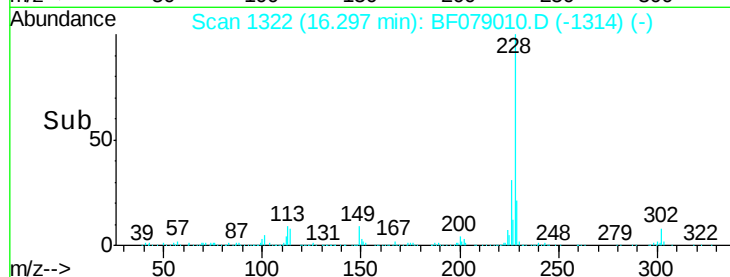
229 22.2 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.28 ng

RT: 19.58 min Scan# 1609

Delta R.T. -0.08 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

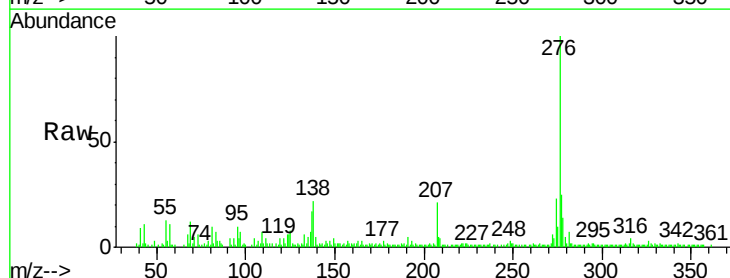
Tgt Ion:276 Resp: 94997

Ion Ratio Lower Upper

276 100

138 25.0 0.0 0.0#

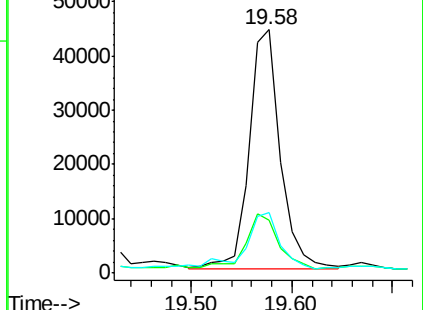
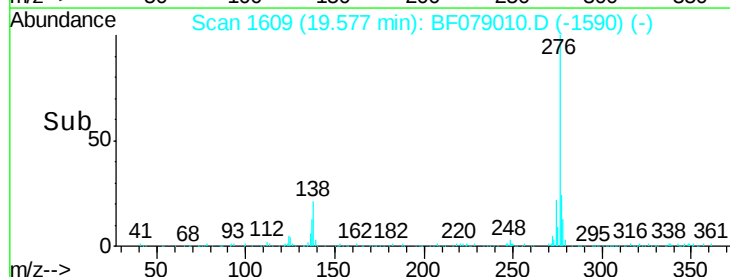
277 28.7 0.0 0.0#

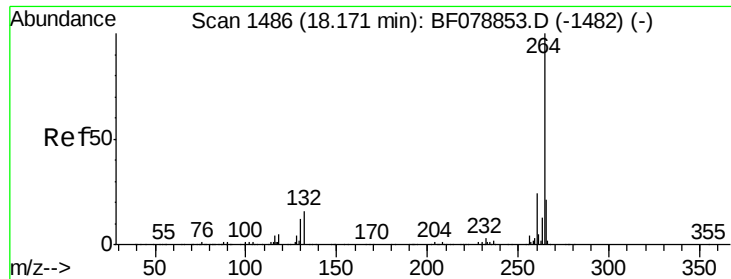


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

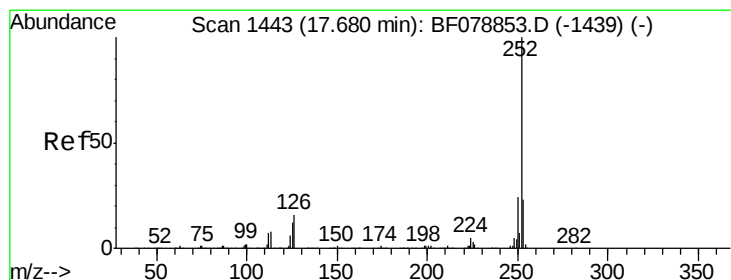
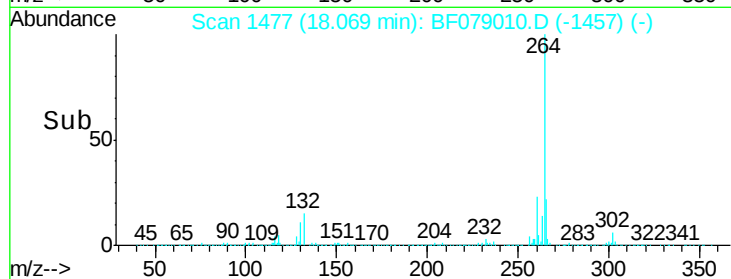
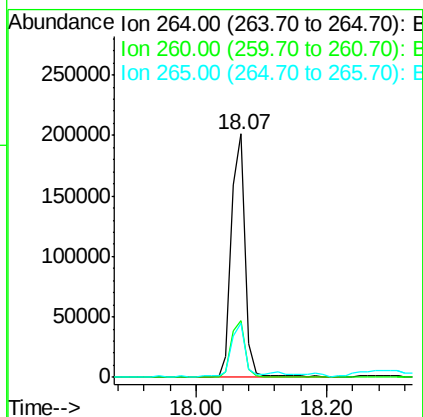
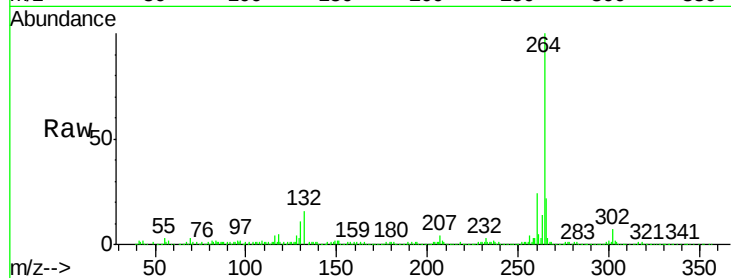




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

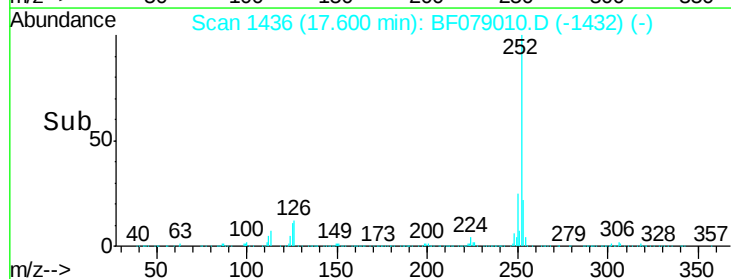
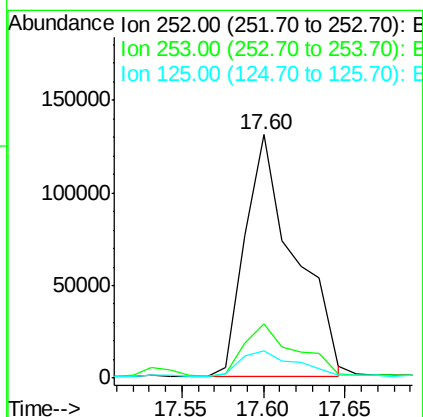
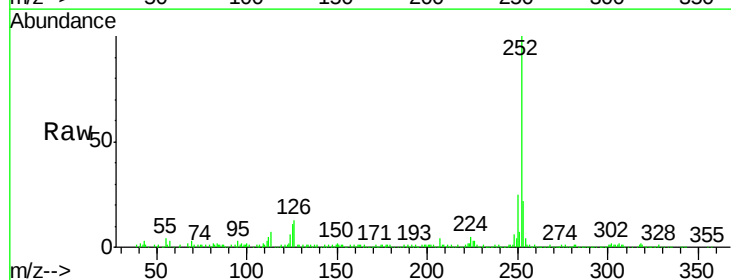
Instrument :
BNA_F
ClientSampleId :
SB-45S

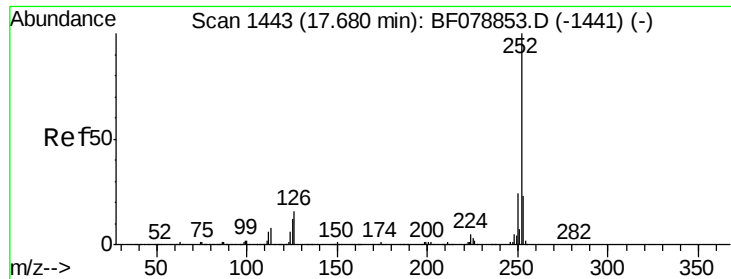
Tgt Ion:264 Resp: 286215
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.3 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 17.64 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion:252 Resp: 276399
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.5 9.5 14.3

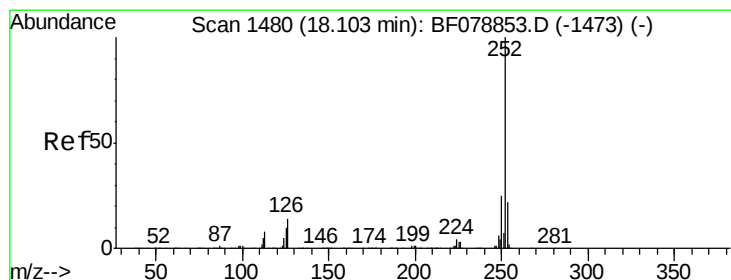
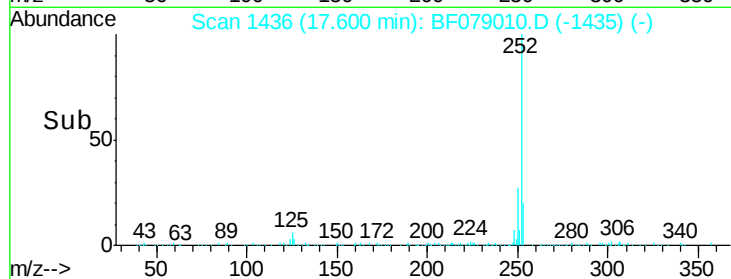
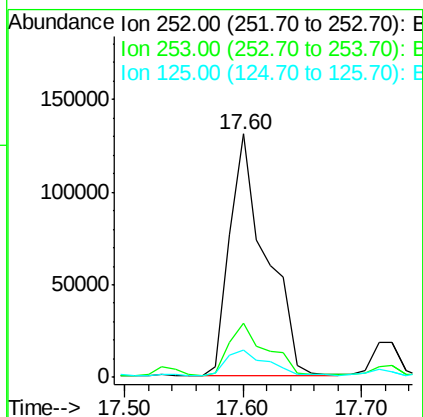
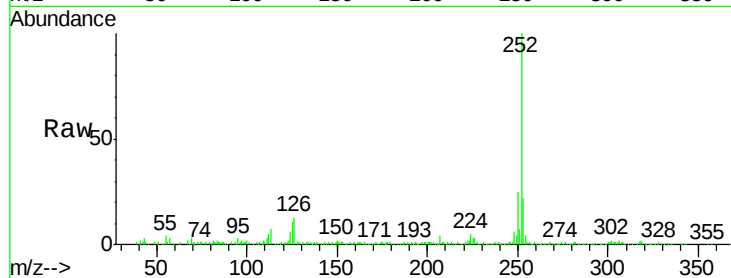




#88
Benzo(k)fluoranthene
Concen: 18.34 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.09 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

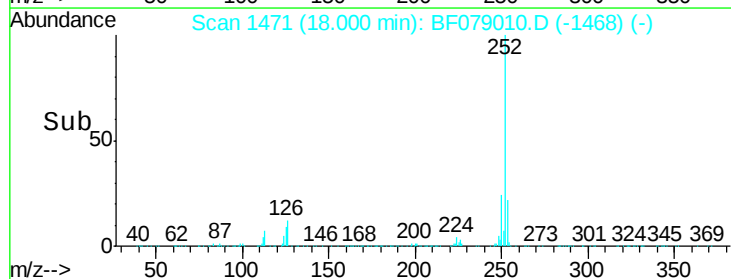
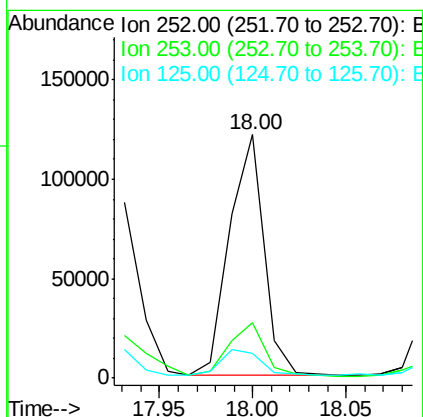
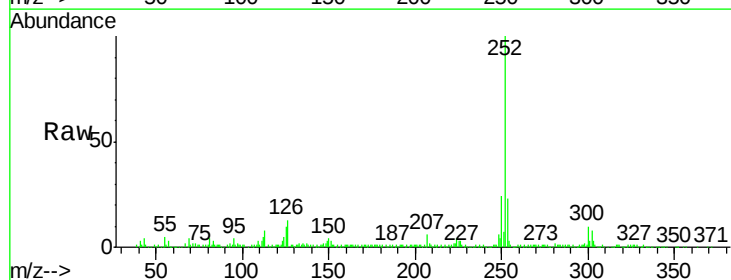
Instrument :
BNA_F
ClientSampleId :
SB-45S

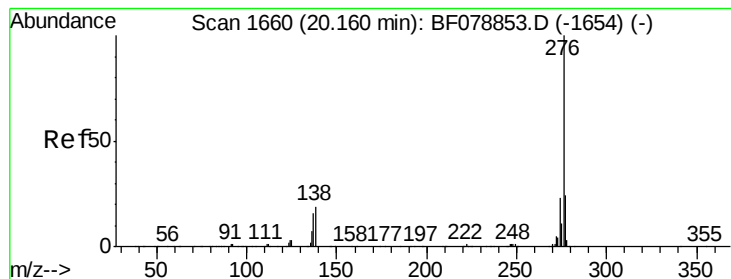
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.5	10.0	15.0



#89
Benzo(a)pyrene
Concen: 10.90 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.07 min
Lab File: BF079010.D
Acq: 7 May 2015 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.1	7.0	10.6





#91

Benzo(g,h,i)perylene

Concen: 5.75 ng

RT: 20.02 min Scan# 1648

Delta R.T. -0.08 min

Lab File: BF079010.D

Acq: 7 May 2015 22:01

Instrument :

BNA_F

ClientSampleId :

SB-45S

Tgt Ion: 276 Resp: 88392

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 23.0 17.4 26.0

