

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
 Data File : BF079011.D
 Acq On : 7 May 2015 22:29
 Operator : TP/IZ
 Sample : G2084-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8

Quant Time: May 08 01:09:34 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

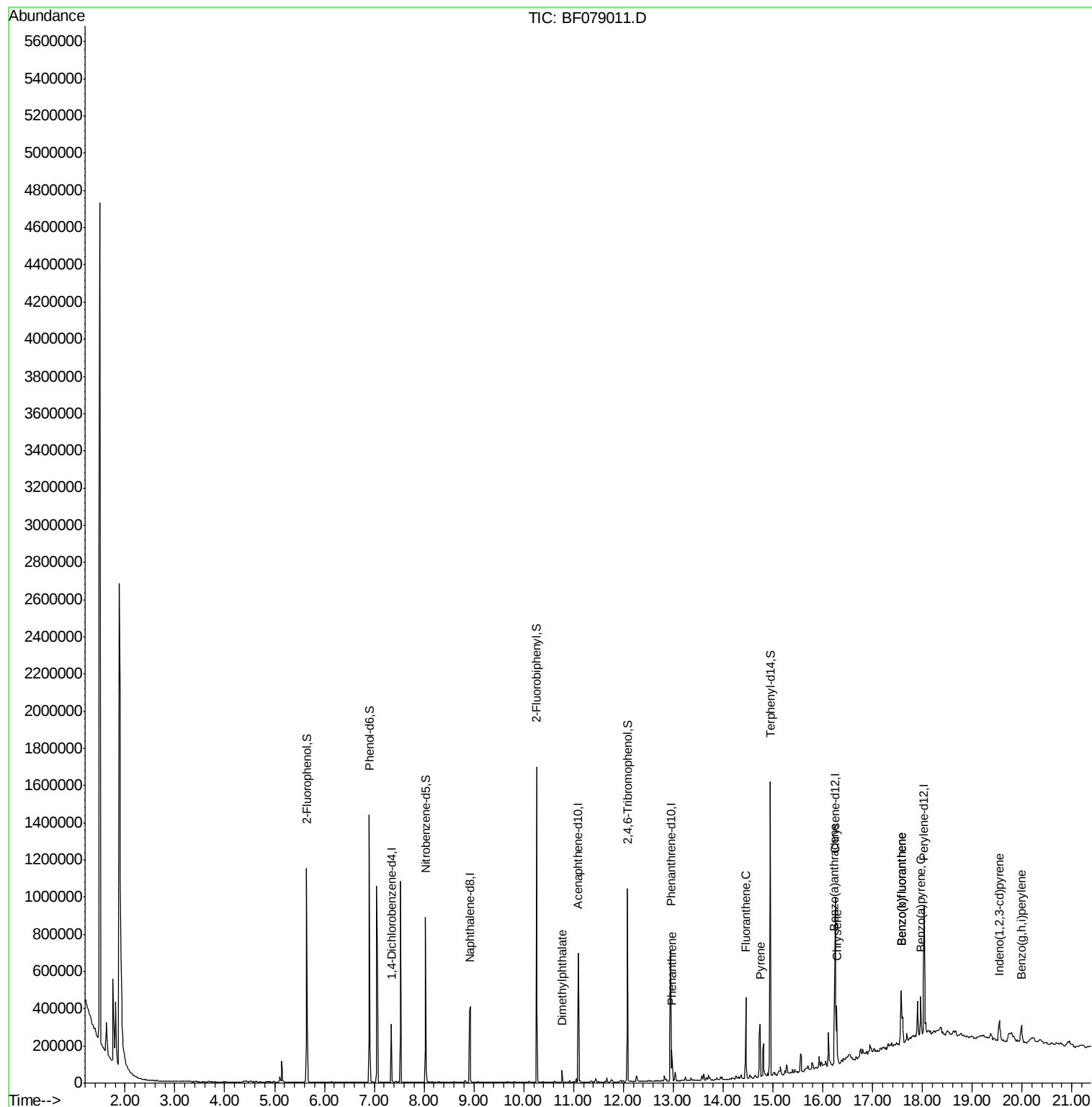
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	65654	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	274411	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	135145	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	275262	20.00	ng	0.01
75) Chrysene-d12	16.25	240	313970	20.00	ng	-0.02
86) Perylene-d12	18.03	264	321492	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	338087	88.64	ng	0.01
7) Phenol-d6	6.90	99	472733	93.77	ng	0.01
23) Nitrobenzene-d5	8.03	82	266356	55.79	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	126378	86.44	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	522013	53.81	ng	0.00
78) Terphenyl-d14	14.95	244	679335	51.80	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.77	163	27119	2.73	ng	99
70) Phenanthrene	12.97	178	78269	5.08	ng	99
74) Fluoranthene	14.46	202	182151	11.35	ng	96
77) Pyrene	14.74	202	153285	8.47	ng	97
80) Benzo(a)anthracene	16.24	228	135940	7.91	ng	99
82) Chrysene	16.29	228	122033	7.38	ng	98
85) Indeno(1,2,3-cd)pyrene	19.54	276	86002	4.08	ng	# 100
87) Benzo(b)fluoranthene	17.58	252	255985	14.55	ng	99
88) Benzo(k)fluoranthene	17.58	252	259119	15.21	ng	98
89) Benzo(a)pyrene	17.97	252	102613	6.33	ng	# 96
91) Benzo(g,h,i)perylene	19.99	276	79160	4.59	ng	98

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

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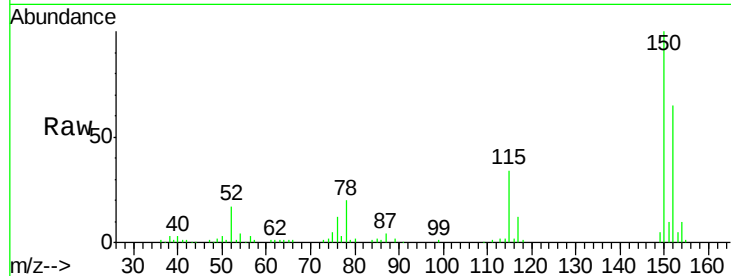




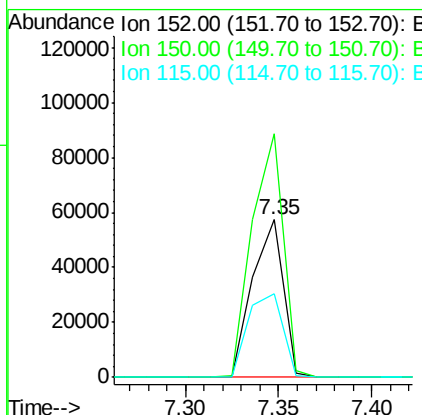
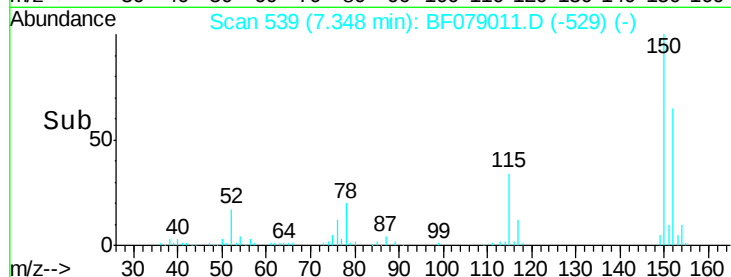
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Instrument :
 BNA_F
 ClientSampleId :
 8

Tgt Ion:152 Resp: 65654
 Ion Ratio Lower Upper
 152 100
 150 154.5 122.0 183.0
 115 53.0 46.3 69.5

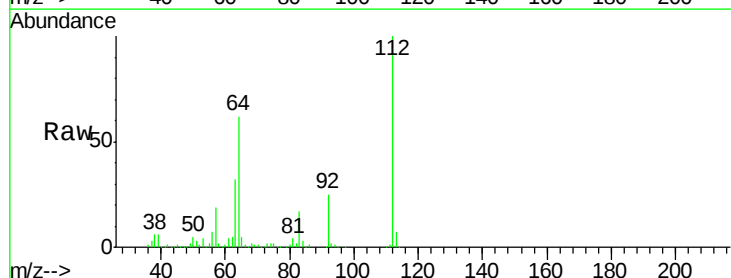


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

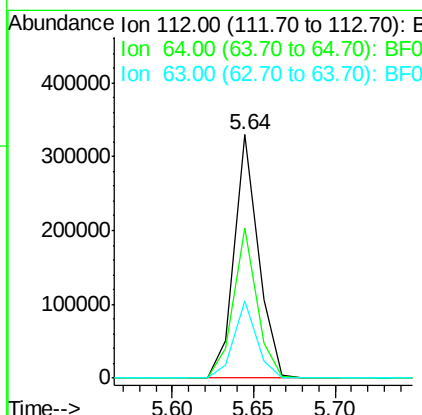
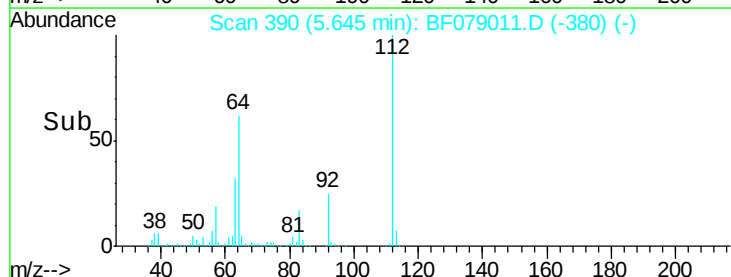


#5
 2-Fluorophenol
 Concen: 88.64 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion:112 Resp: 338087
 Ion Ratio Lower Upper
 112 100
 64 61.8 53.5 80.3
 63 31.7 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: 93.77 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

ClientSampleId :

8

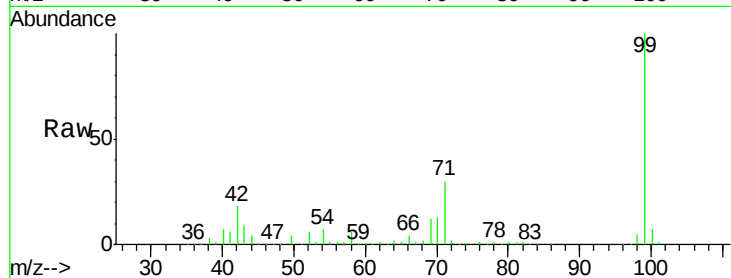
Tgt Ion: 99 Resp: 472733

Ion Ratio Lower Upper

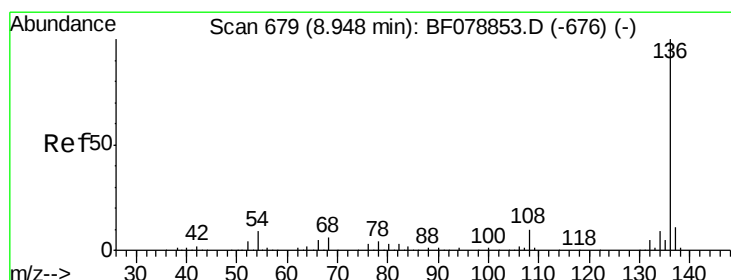
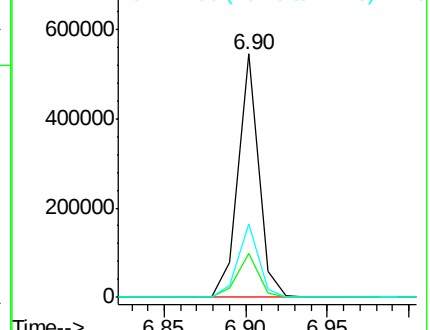
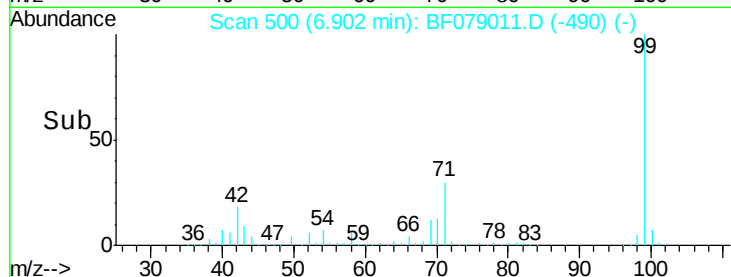
99 100

42 17.8 12.8 19.2

71 30.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF079011.D (-490) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Tgt Ion: 136 Resp: 274411

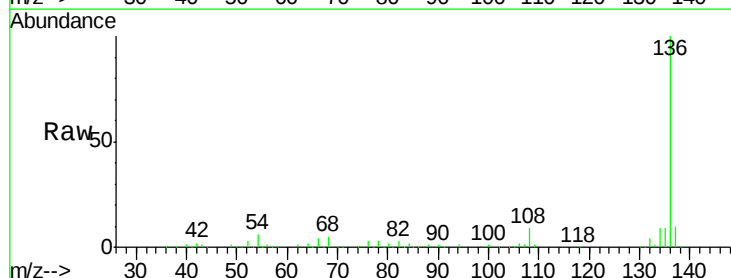
Ion Ratio Lower Upper

136 100

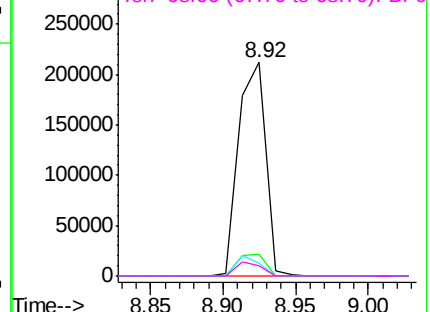
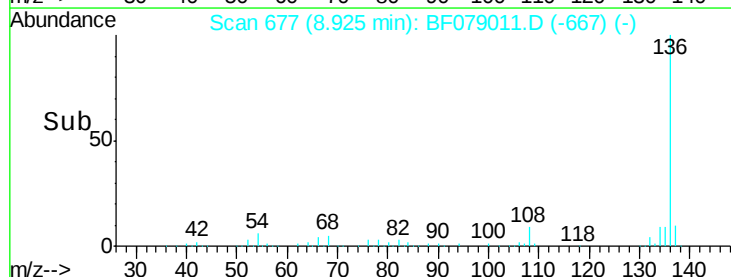
137 9.9 8.7 13.1

54 5.8 5.8 8.8#

68 4.9 4.2 6.4



Abundance Ion 136.00 (135.70 to 136.70): BF079011.D (-667) (-)





#23

Nitrobenzene-d5

Concen: 55.79 ng

RT: 8.03 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

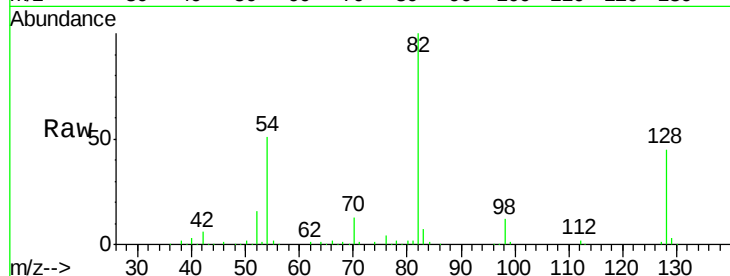
Instrument :

BNA_F

ClientSampled :

8

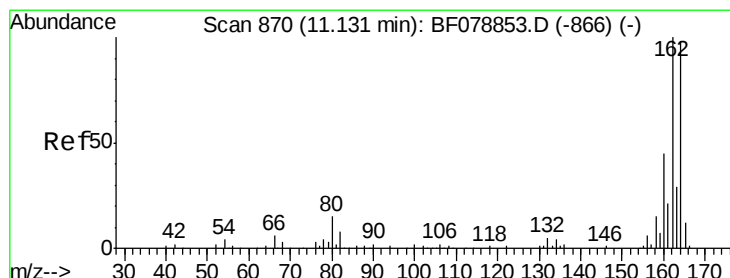
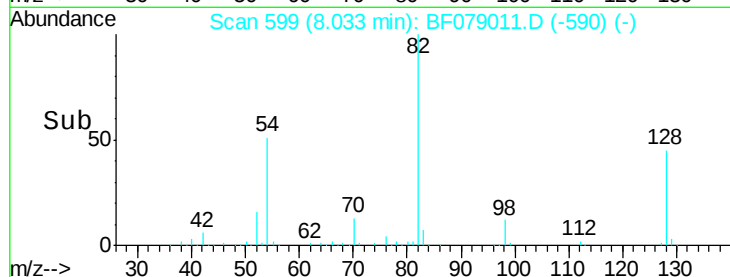
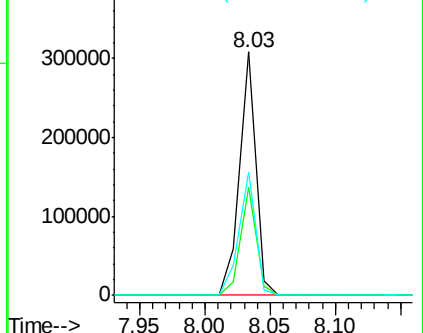
Tgt Ion:	82	Resp:	266356
Ion	Ratio	Lower	Upper
82	100		
128	44.5	30.0	45.0
54	50.8	46.4	69.6



Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

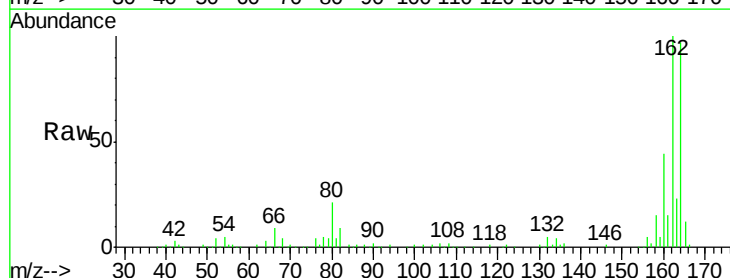
RT: 11.10 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

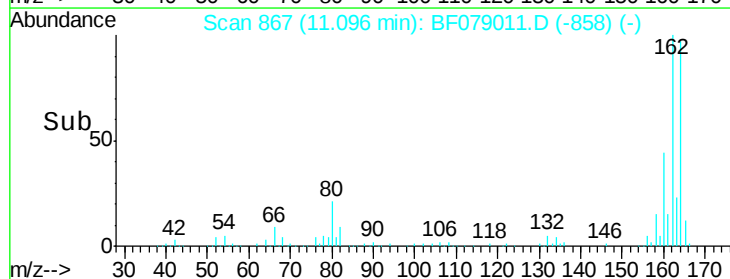
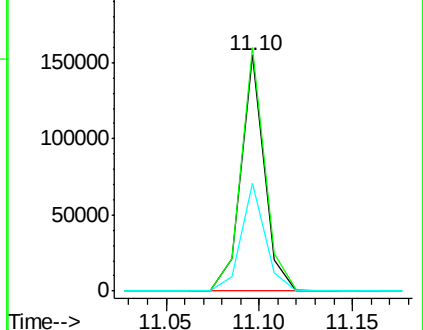
Tgt Ion:	164	Resp:	135145
Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.7	124.1
160	45.7	35.8	53.8



Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

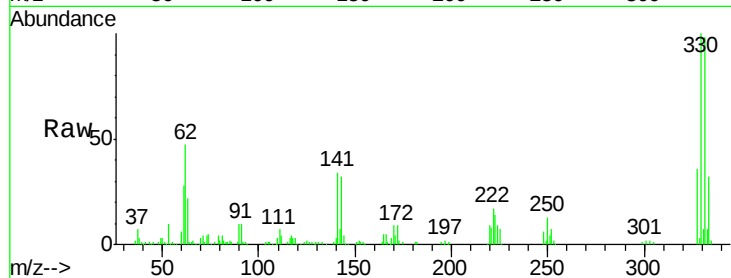




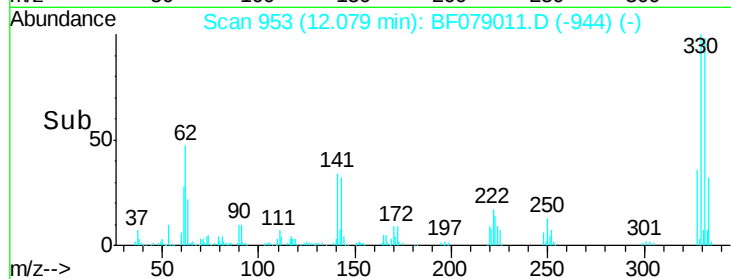
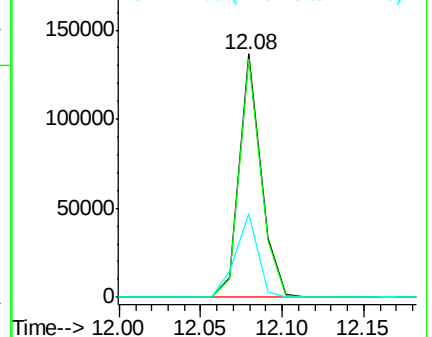
#41
 2,4,6-Tribromophenol
 Concen: 86.44 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Instrument :
 BNA_F
 ClientSampleId :
 8

Tgt Ion:330 Resp: 126378
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 35.4 0.0 0.0#

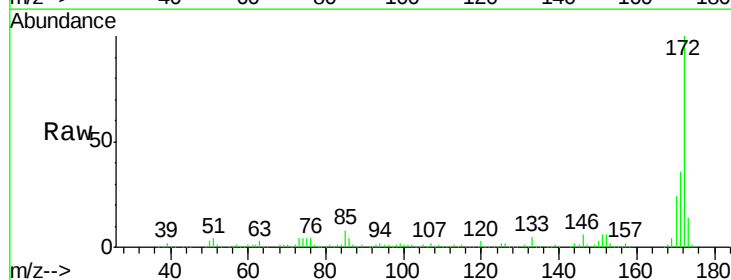


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

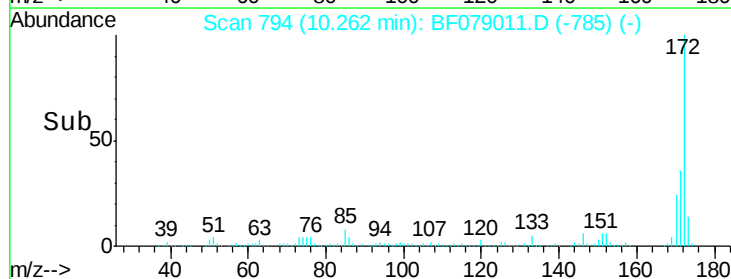
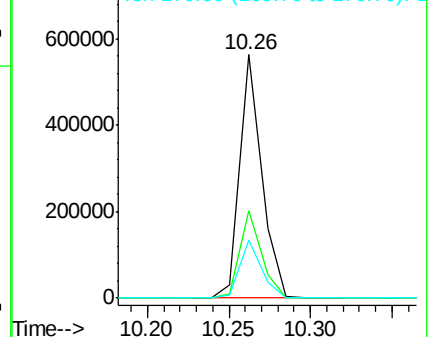


#44
 2-Fluorobiphenyl
 Concen: 53.81 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion:172 Resp: 522013
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.9 41.9
 170 23.8 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

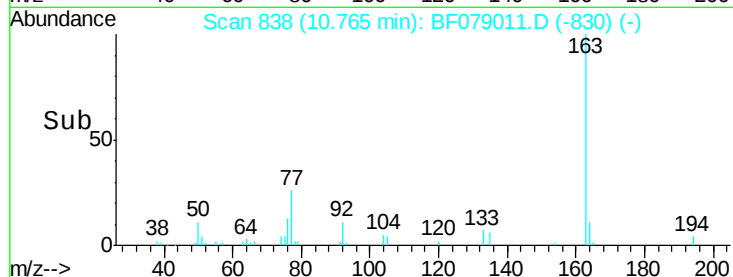
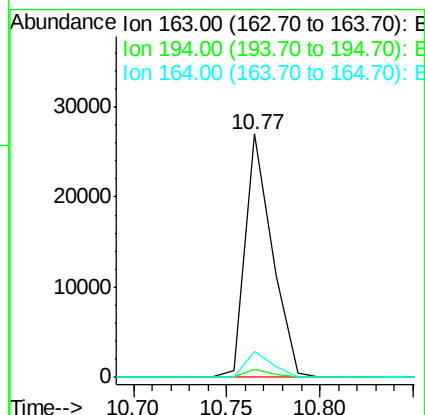
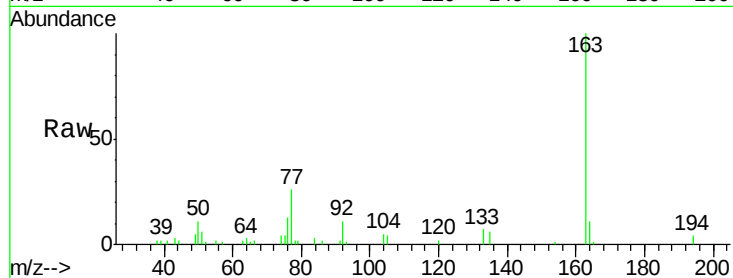




#49
Dimethylphthalate
Concen: 2.73 ng
RT: 10.77 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

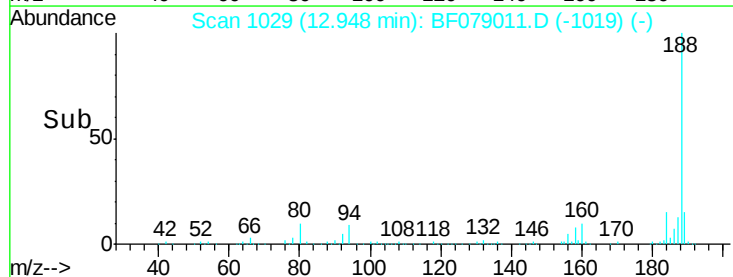
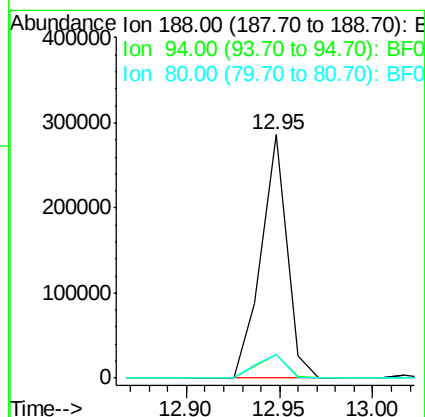
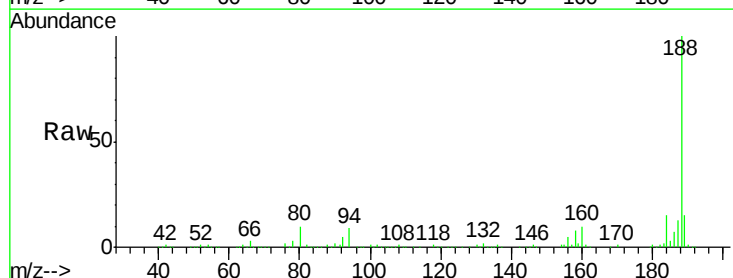
Instrument :
BNA_F
ClientSampleId :
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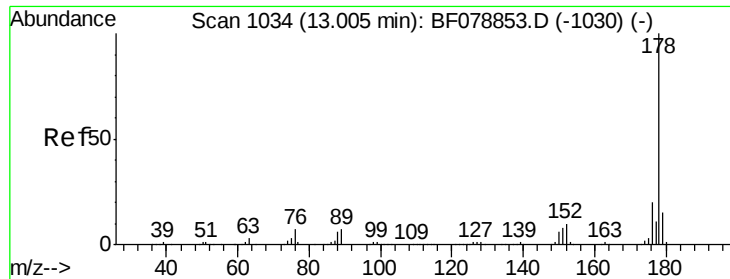
Tgt Ion:163 Resp: 27119
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.7 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion:188 Resp: 275262
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 9.7 8.9 13.3

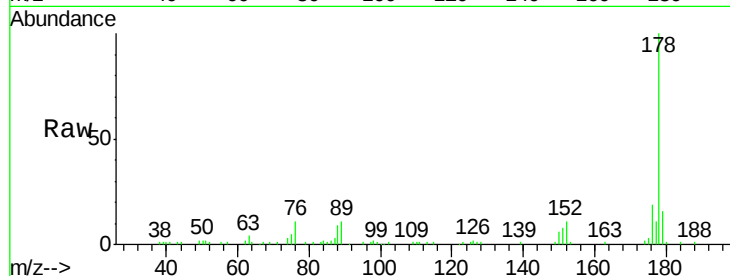




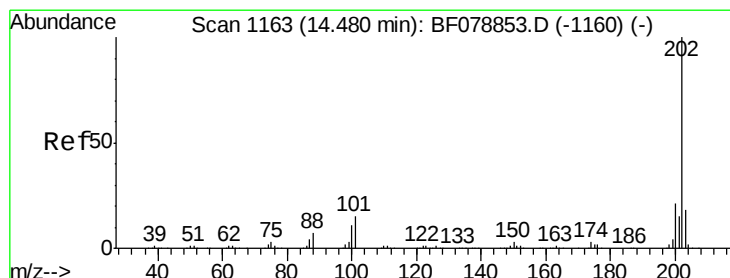
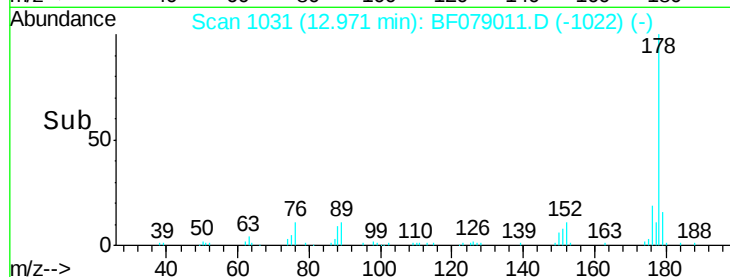
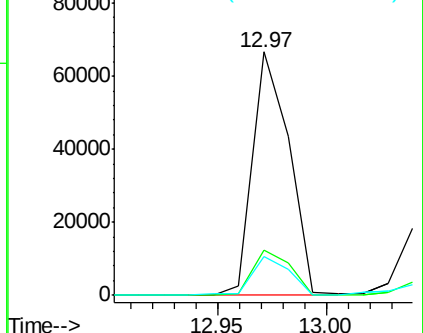
#70
Phenanthrene
Concen: 5.08 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampleId :
8

Tgt Ion:178 Resp: 78269
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.9 12.5 18.7

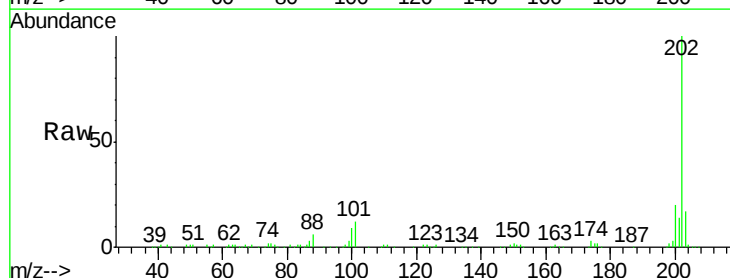


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

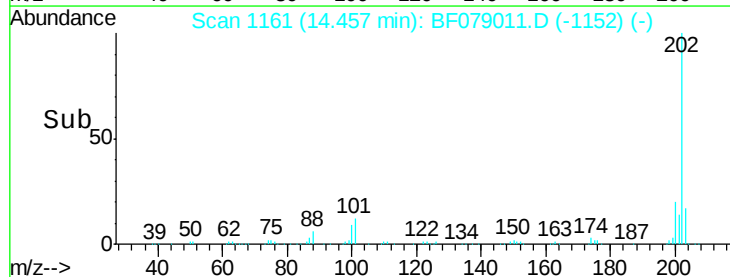
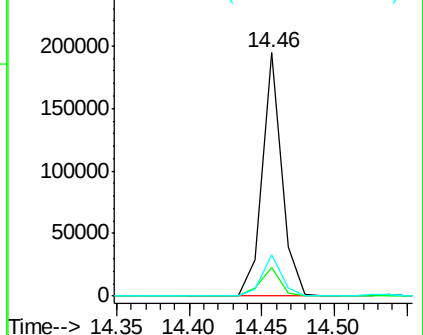


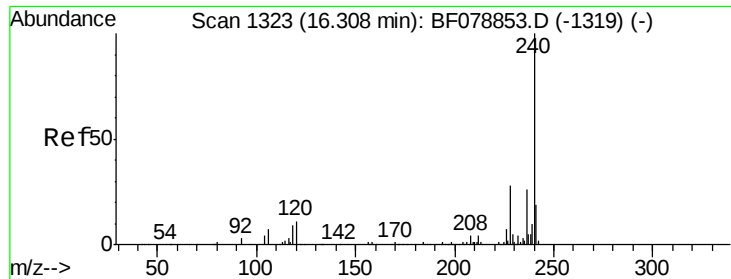
#74
Fluoranthene
Concen: 11.35 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion:202 Resp: 182151
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.6
203 17.1 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: 16.25 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

ClientSampleId :

8

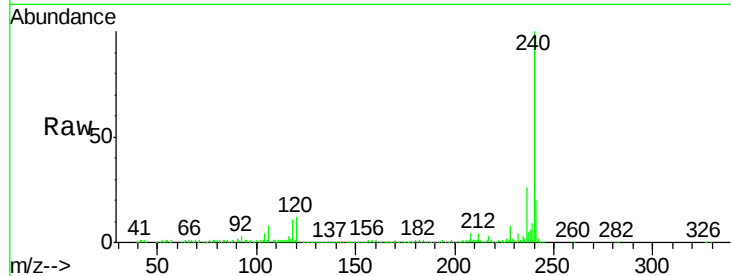
Tgt Ion:240 Resp: 313970

Ion Ratio Lower Upper

240 100

120 12.0 9.7 14.5

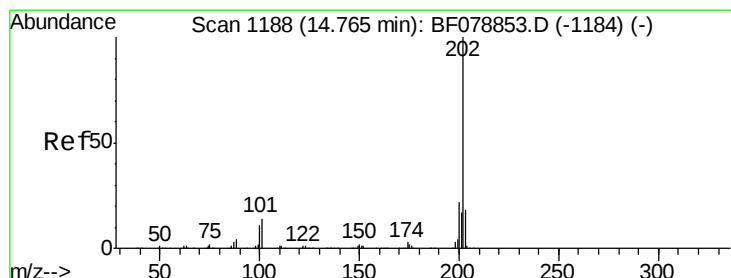
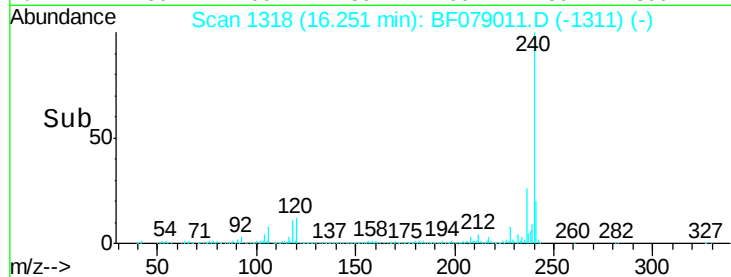
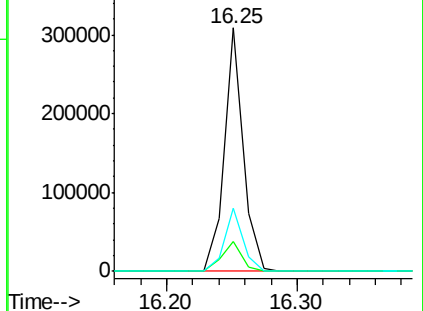
236 25.9 20.2 30.4



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: 8.47 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

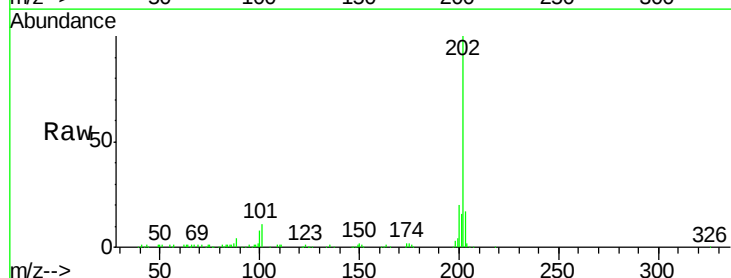
Tgt Ion:202 Resp: 153285

Ion Ratio Lower Upper

202 100

200 19.6 17.5 26.3

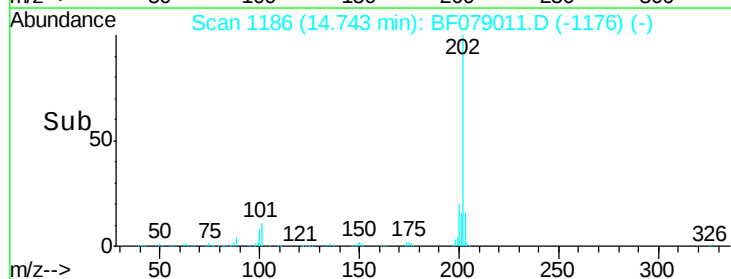
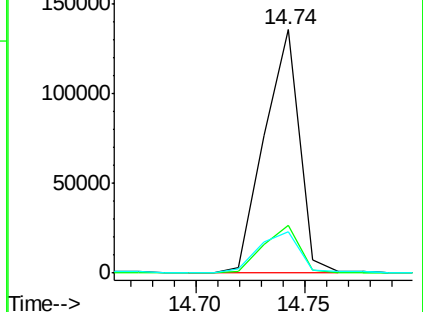
203 17.0 13.9 20.9

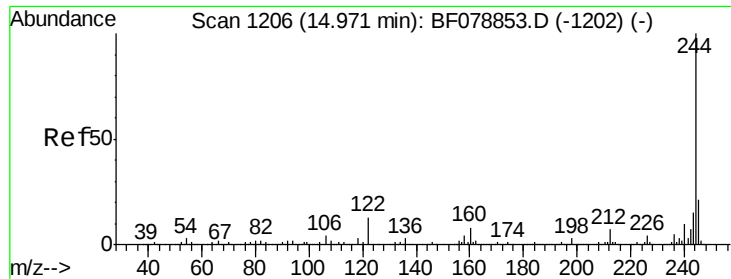


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

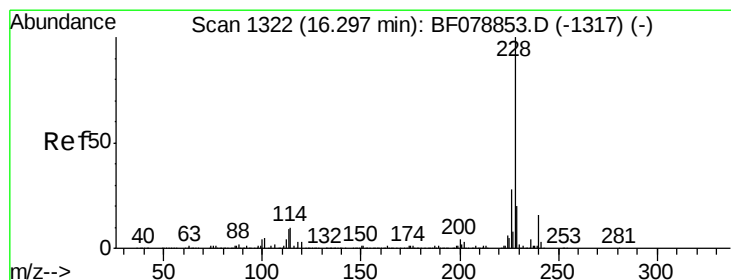
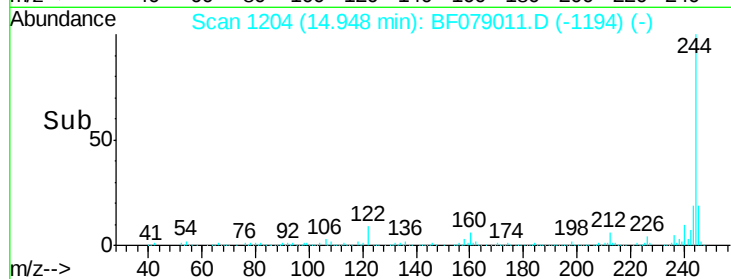
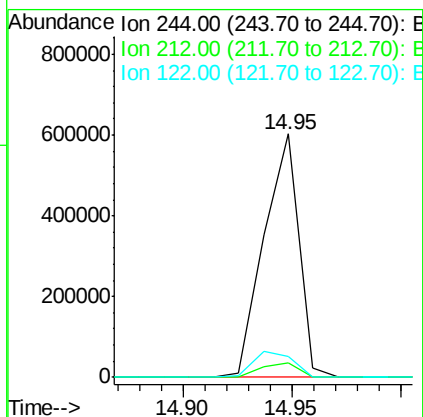
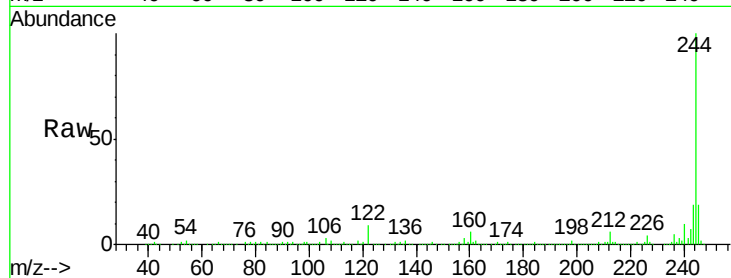




#78
 Terphenyl-d14
 Concen: 51.80 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

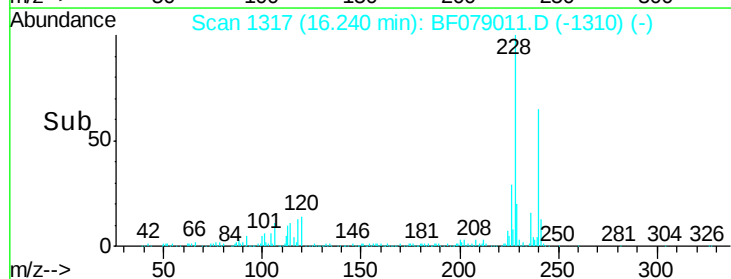
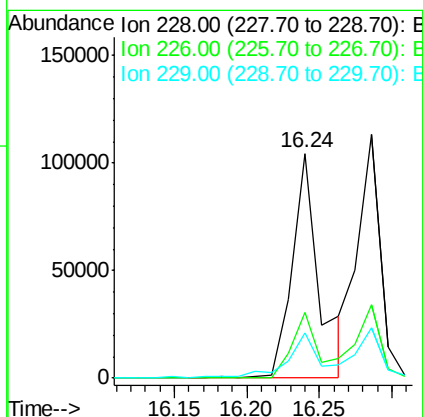
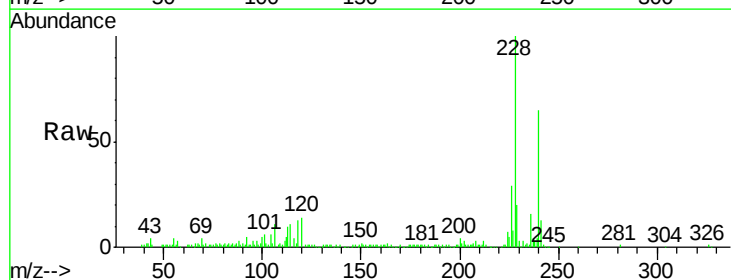
Instrument :
 BNA_F
 ClientSampleId :
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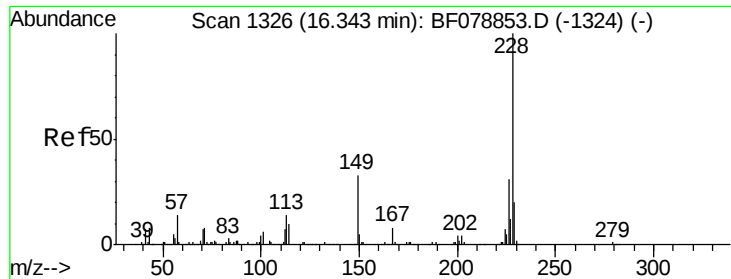
Tgt Ion:244 Resp: 679335
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.6 8.4
 122 8.8 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 7.91 ng
 RT: 16.24 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion:228 Resp: 135940
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 20.1 15.9 23.9

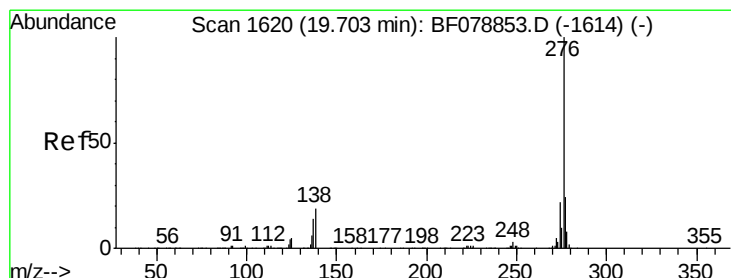
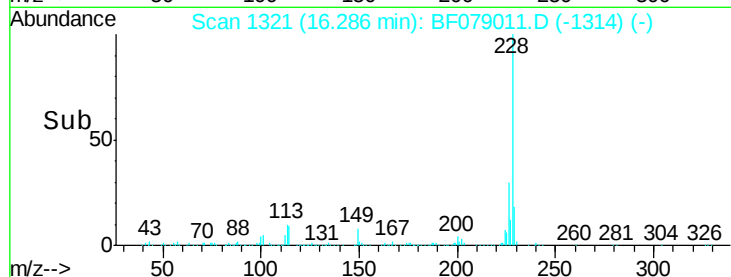
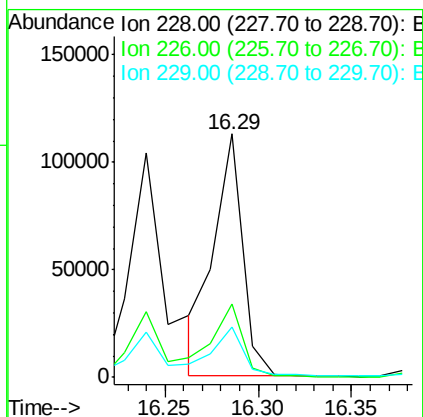
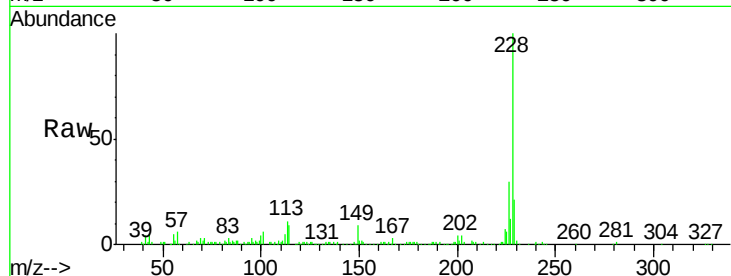




#82
 Chrysene
 Concen: 7.38 ng
 RT: 16.29 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

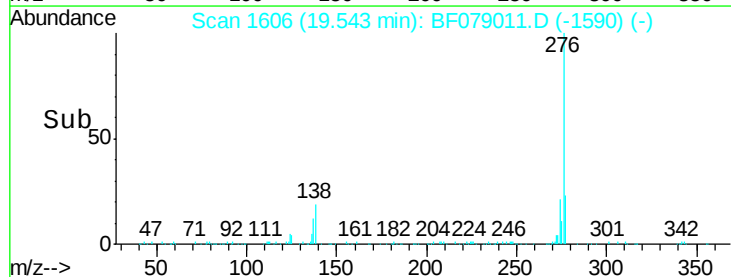
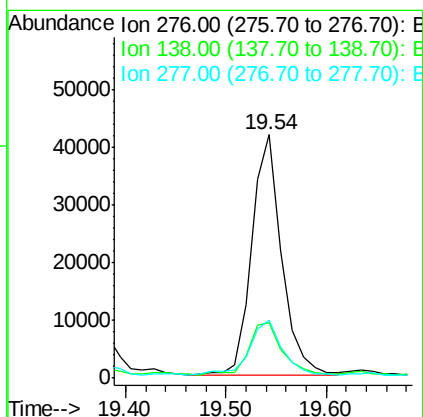
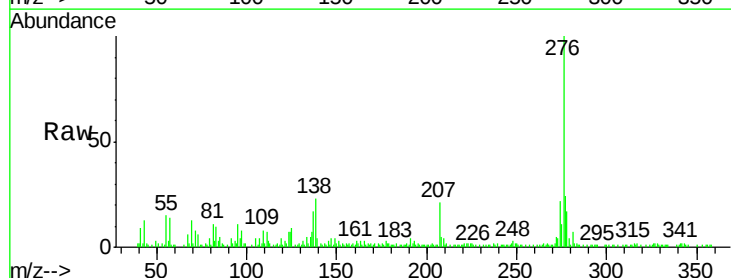
Instrument :
 BNA_F
 ClientSampleId :
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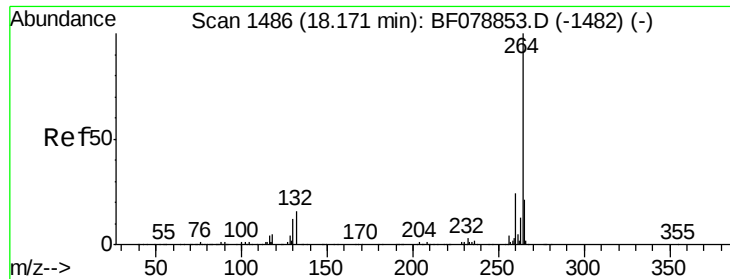
Tgt Ion: 228 Resp: 122033
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.9 37.3
 229 20.9 16.0 24.0



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.08 ng
 RT: 19.54 min Scan# 1606
 Delta R.T. -0.11 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion: 276 Resp: 86002
 Ion Ratio Lower Upper
 276 100
 138 24.2 0.0 0.0#
 277 24.9 0.0 0.0#

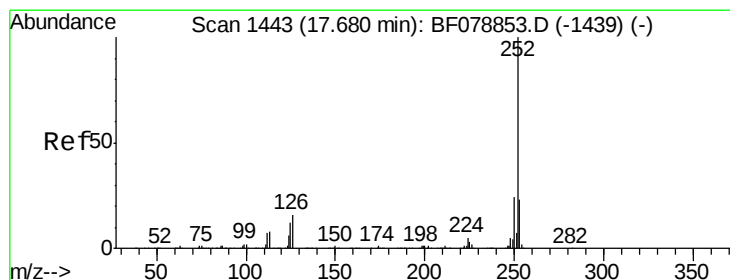
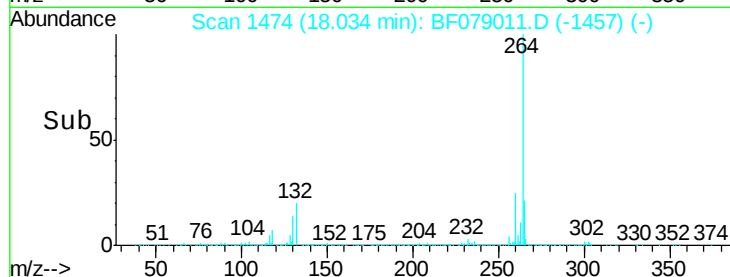
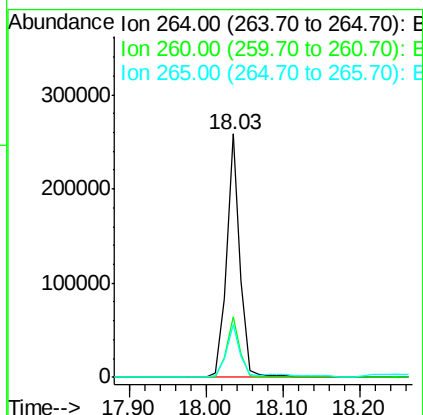
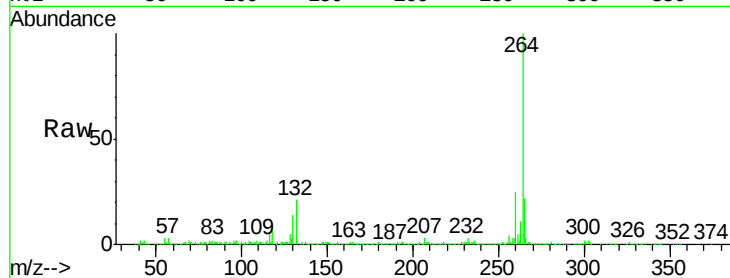




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.03 min Scan# 1474
Delta R.T. -0.10 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

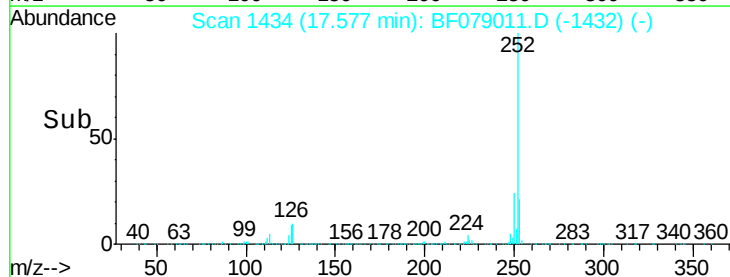
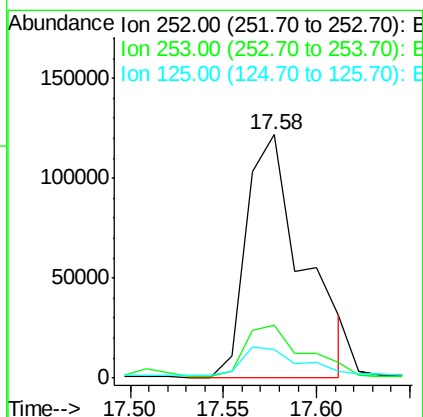
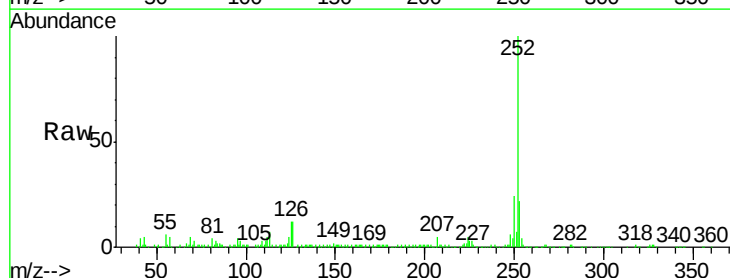
Instrument :
BNA_F
ClientSampleId :
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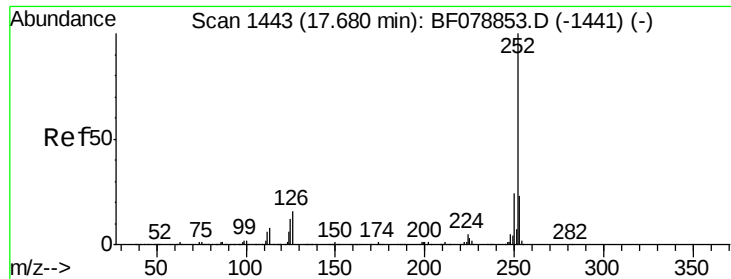
Tgt Ion:264 Resp: 321492
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 21.5 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 14.55 ng
RT: 17.58 min Scan# 1434
Delta R.T. -0.08 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion:252 Resp: 255985
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 11.5 9.5 14.3

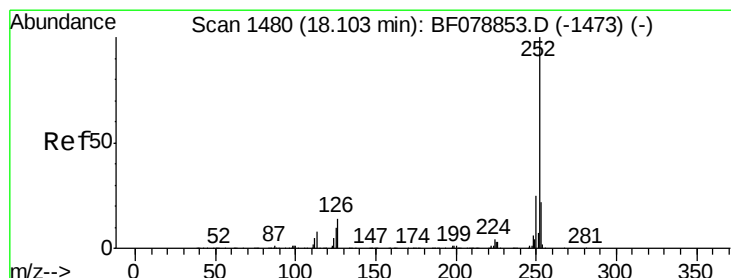
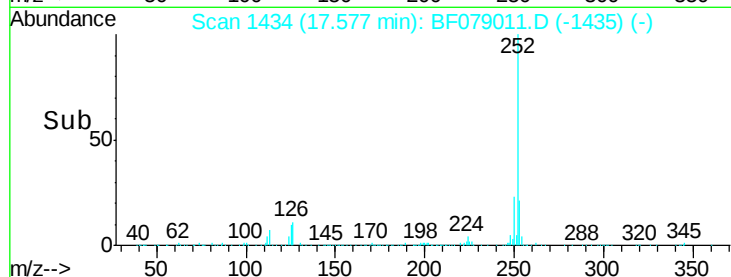
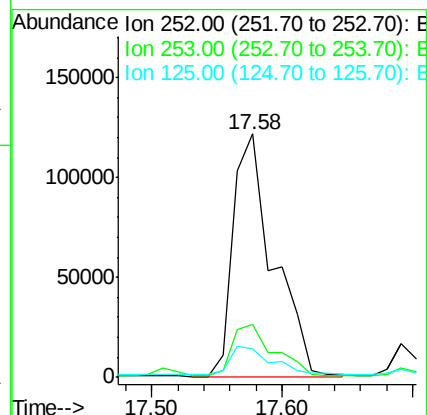
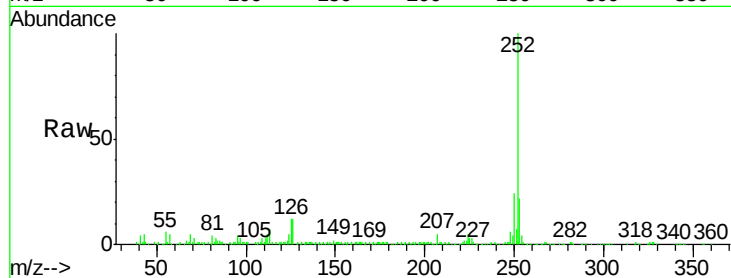




#88
Benzo(k)fluoranthene
Concen: 15.21 ng
RT: 17.58 min Scan# 1434
Delta R.T. -0.11 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

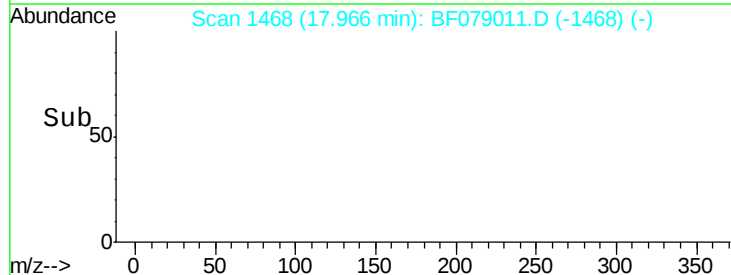
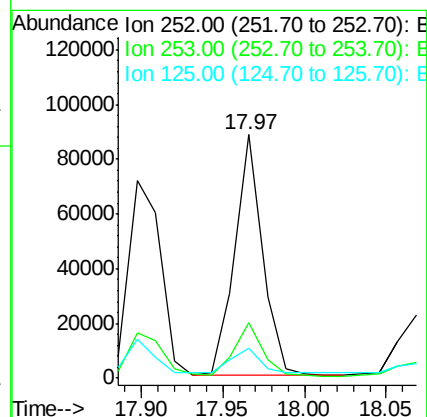
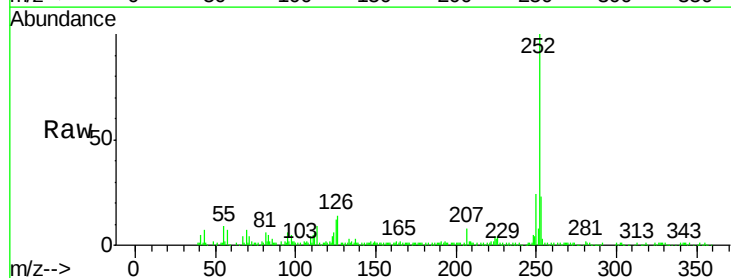
Instrument :
BNA_F
ClientSampleId :
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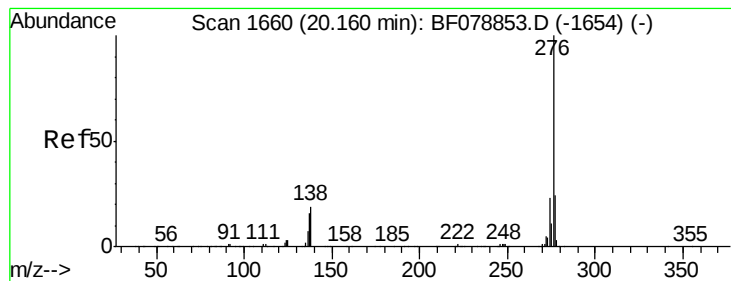
Tgt Ion:252 Resp: 259119
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 11.5 10.0 15.0



#89
Benzo(a)pyrene
Concen: 6.33 ng
RT: 17.97 min Scan# 1468
Delta R.T. -0.10 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion:252 Resp: 102613
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.2 7.0 10.6#





#91

Benzo(g,h,i)perylene

Concen: 4.59 ng

RT: 19.99 min Scan# 1645

Delta R.T. -0.11 min

Lab File: BF079011.D

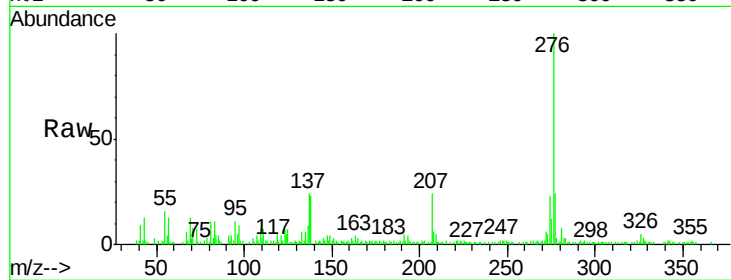
Acq: 7 May 2015 22:29

Instrument :

BNA_F

ClientSampleId :

8



Tgt Ion:	276	Resp:	79160
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.1	17.4	26.0

