

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
 Data File : BF079211.D
 Acq On : 13 May 2015 23:36
 Operator : TP/IZ
 Sample : G2215-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Manual Integrations
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Quant Time: May 14 02:19:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 00:58:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	54759	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	216525	20.00	ng	0.00
38) Acenaphthene-d10	10.98	164	107739	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	206806	20.00	ng	0.00
75) Chrysene-d12	16.13	240	221455	20.00	ng	-0.03
86) Perylene-d12	17.90	264	267966	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	62590	19.68	ng	0.00
7) Phenol-d6	6.80	99	85369	20.30	ng	0.00
23) Nitrobenzene-d5	7.92	82	43163	11.46	ng	-0.01
41) 2,4,6-Tribromophenol	11.96	330	22149	19.00	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	82983	10.73	ng	0.00
78) Terphenyl-d14	14.82	244	102214	11.05	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.83	128	285940	27.71	ng	99
37) 2-Methylnaphthalene	9.70	142	193698	27.09	ng	# 95
45) 1,1'-Biphenyl	10.27	154	21465	2.51	ng	99
48) Acenaphthylene	10.81	152	26081	2.38	ng	# 89
51) Acenaphthene	11.03	154	95341	14.57	ng	99
54) Dibenzofuran	11.24	168	21589	2.28	ng	# 88
57) Fluorene	11.67	166	88485	11.41	ng	100
70) Phenanthrene	12.86	178	428716	37.06	ng	100
71) Anthracene	12.93	178	141629	12.48	ng	99
74) Fluoranthene	14.33	202	329667	27.35	ng	98
77) Pyrene	14.62	202	369282	28.94	ng	98
80) Benzo(a)anthracene	16.11	228	164754m	13.59	ng	
82) Chrysene	16.16	228	117196	10.05	ng	97
85) Indeno(1,2,3-cd)pyrene	19.34	276	87404m	5.88	ng	
87) Benzo(b)fluoranthene	17.44	252	162998m	11.11	ng	
88) Benzo(k)fluoranthene	17.45	252	67574m	4.76	ng	
89) Benzo(a)pyrene	17.83	252	149696	11.08	ng	# 94
91) Benzo(g,h,i)perylene	19.76	276	80398	5.59	ng	93

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

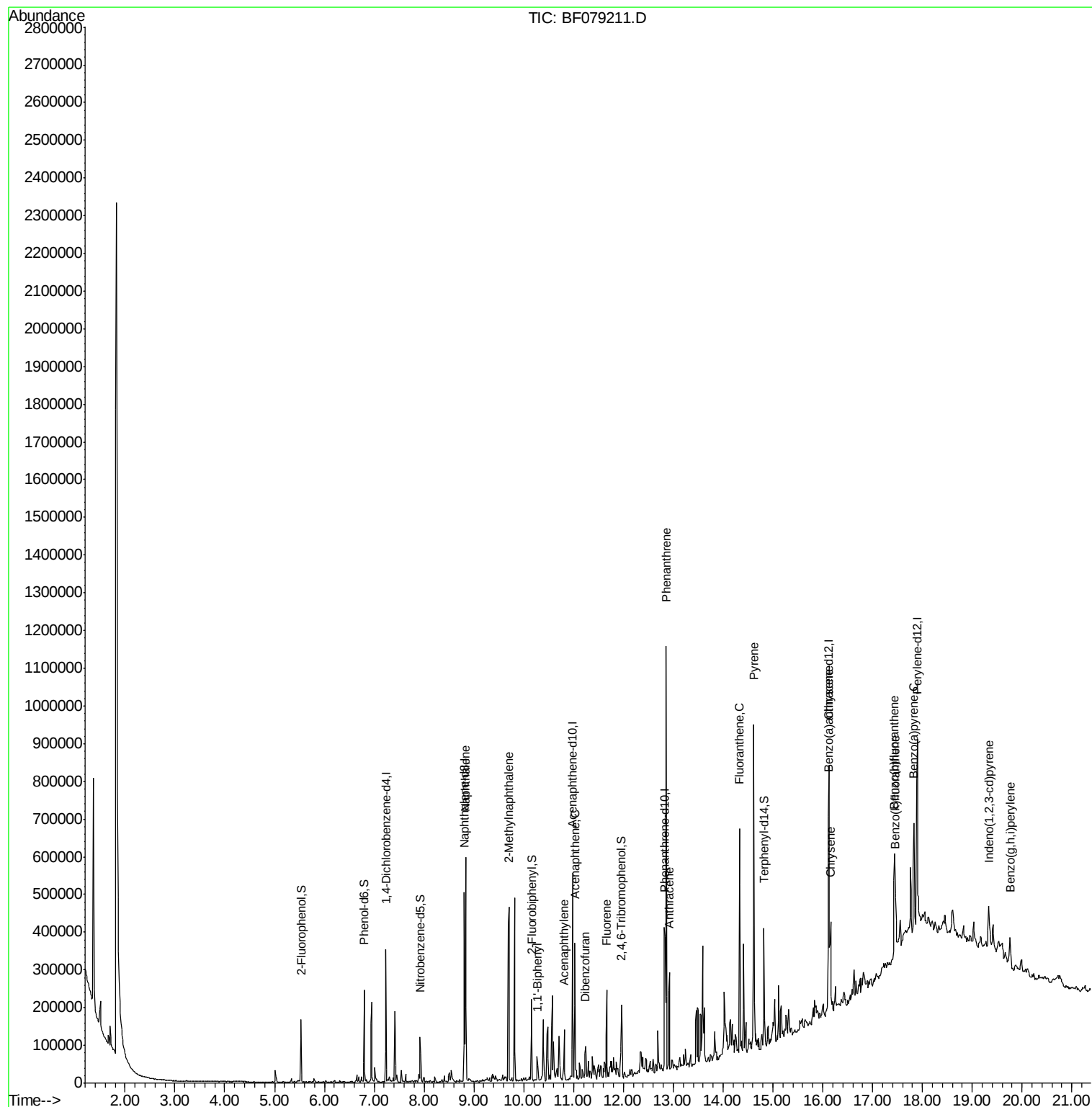
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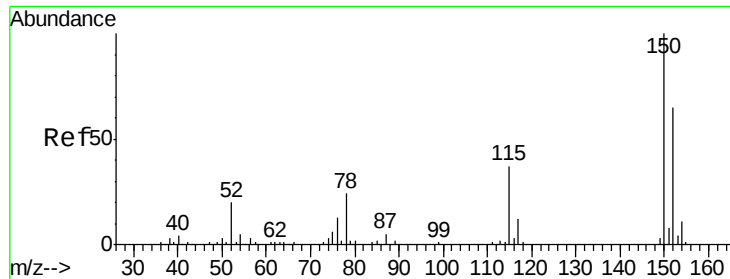
Instrument :
BNA_F
ClientSampled :
SB-40D

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Quant Time: May 14 02:19:55 2015
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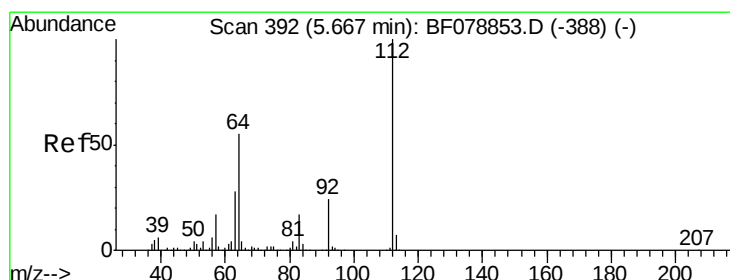
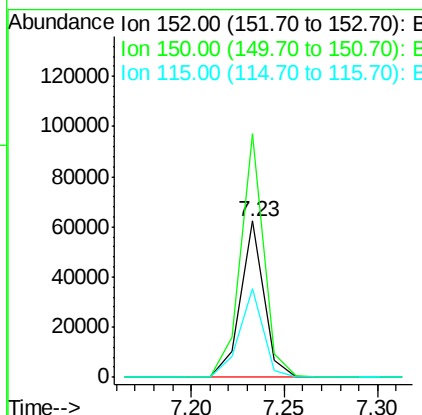
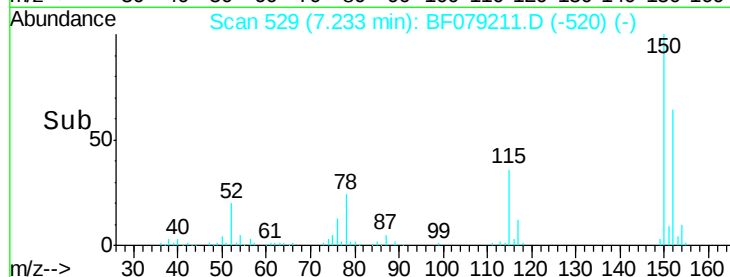
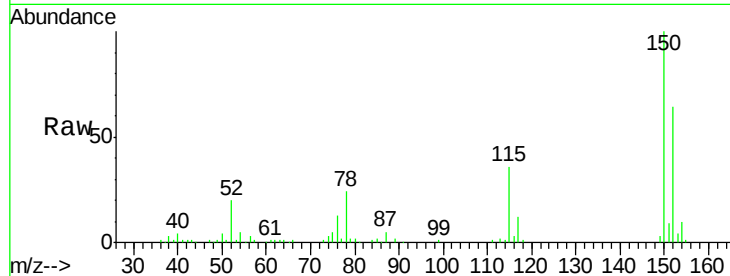
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Tot Ion:	152	Resp:	54759
Ion Ratio	Lower	Upper	
152	100		
150	156.0	122.0	183.0
115	56.5	46.3	69.5

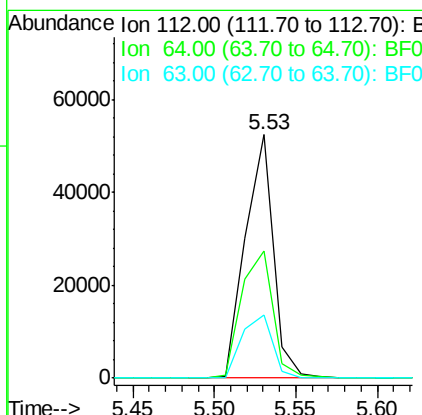
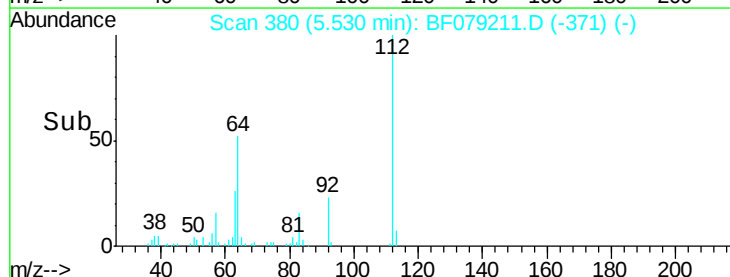
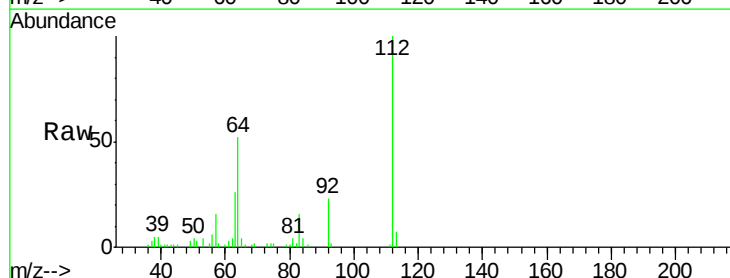
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#5
 2-Fluorophenol
 Concen: 19.68 ng
 RT: 5.53 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion:	112	Resp:	62590
Ion Ratio	Lower	Upper	
112	100		
64	52.1	53.5	80.3#
63	25.8	27.5	41.3#





#7

Phenol-d6

Concen: 20.30 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

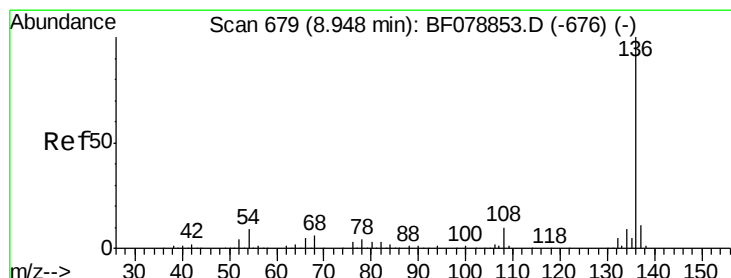
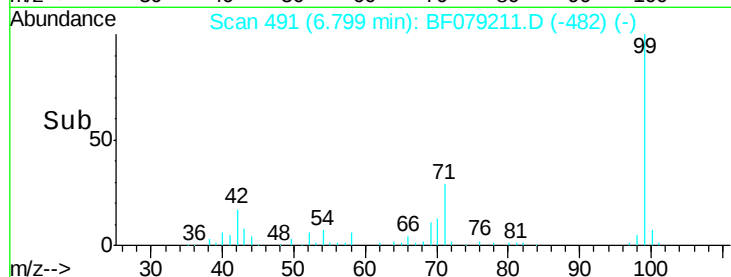
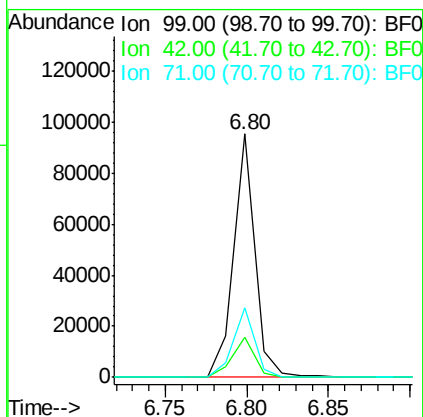
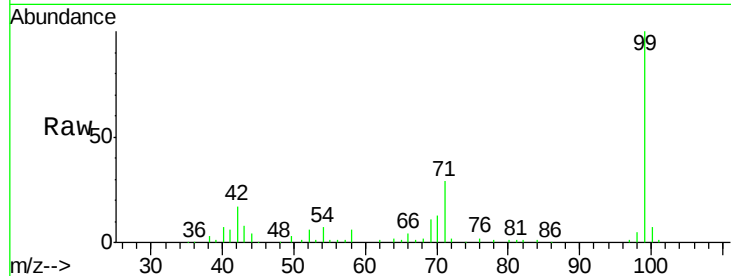
ClientSampleId :

SB-40D

Tot Ion:	99	Resp:	85369
Ion	Ratio	Lower	Upper
99	100		
42	16.6	12.8	19.2
71	28.7	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

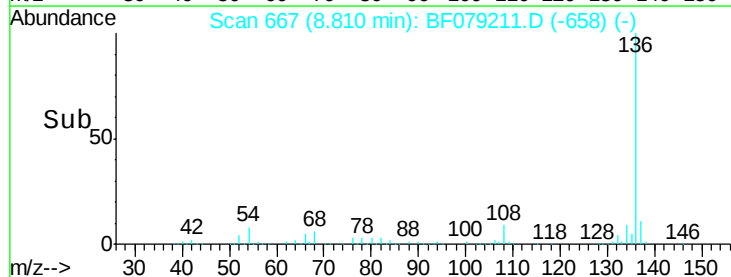
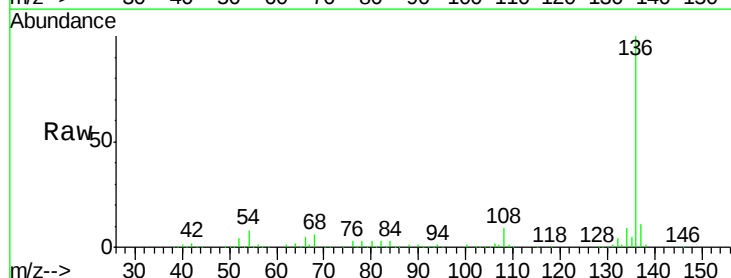
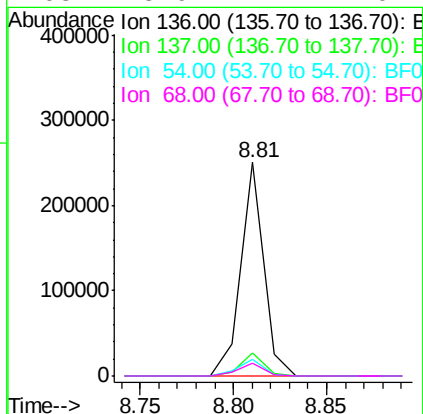
RT: 8.81 min Scan# 667

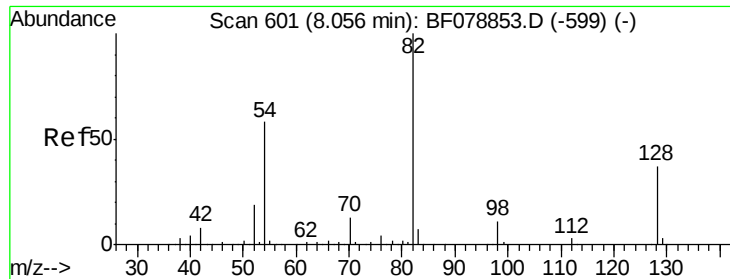
Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Tgt Ion:	136	Resp:	216525
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.7	5.8	8.8
68	5.9	4.2	6.4





#23

Nitrobenzene-d5

Concen: 11.46 ng

RT: 7.92 min Scan# 589

Delta R.T. -0.01 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

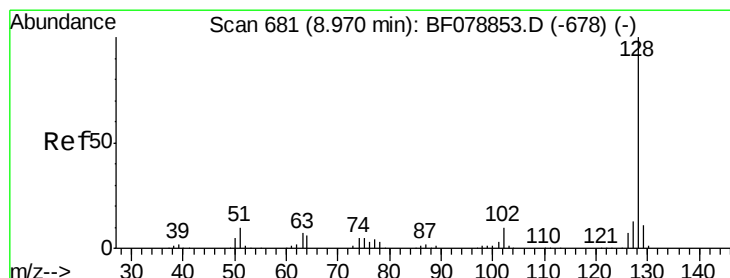
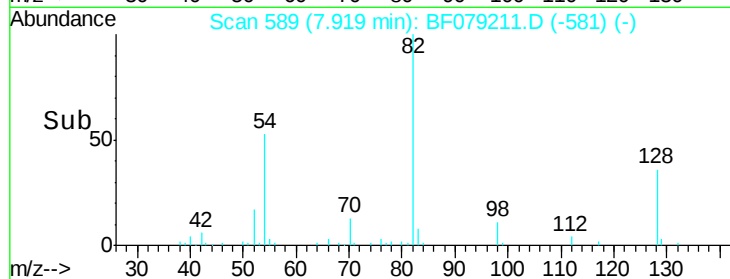
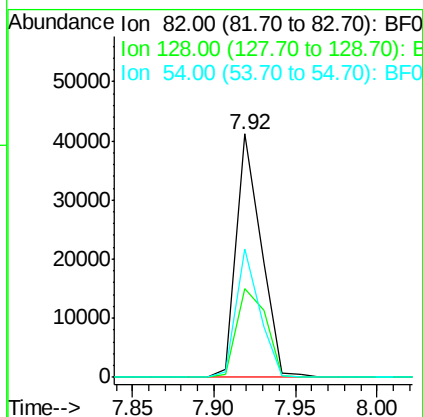
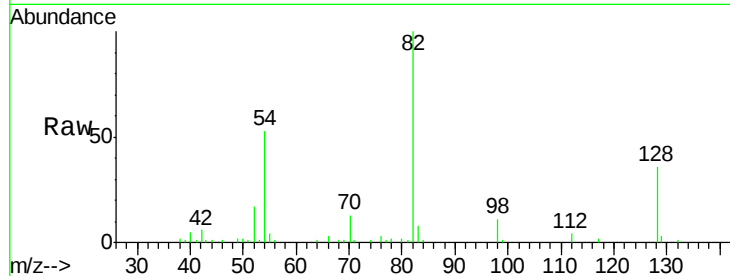
ClientSampled :

SB-40D

Tot Ion:	82	Resp:	43163
Ion Ratio	Lower	Upper	
82	100		
128	36.4	30.0	45.0
54	52.7	46.4	69.6

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#31

Naphthalene

Concen: 27.71 ng

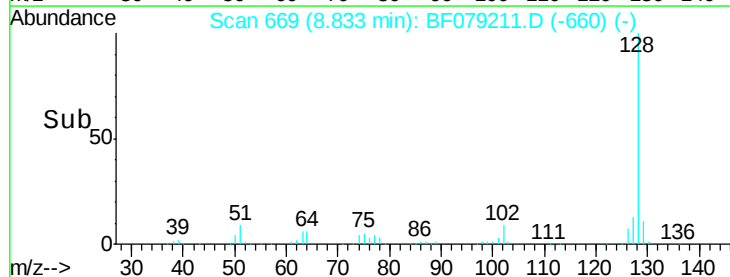
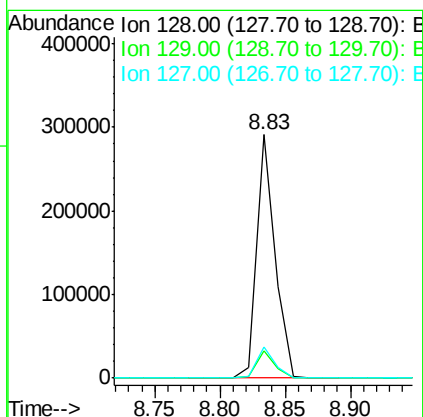
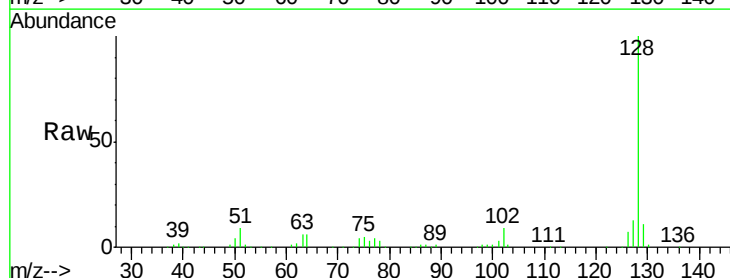
RT: 8.83 min Scan# 669

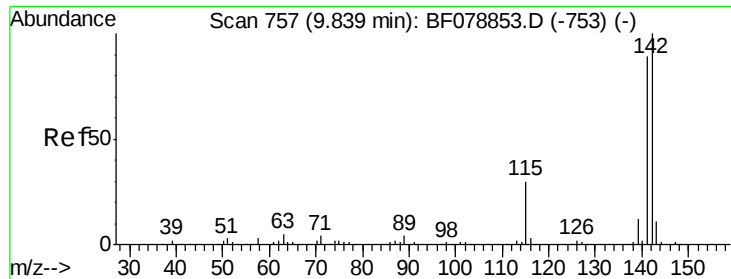
Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Tgt Ion:	128	Resp:	285940
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	12.8	10.7	16.1





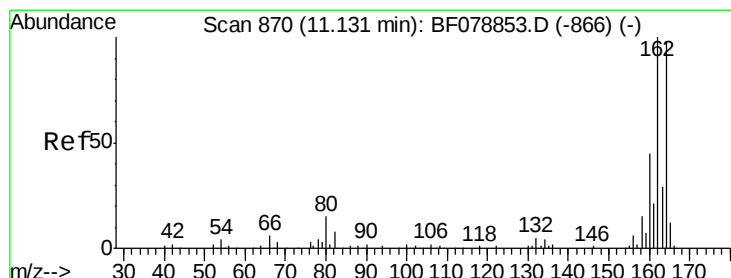
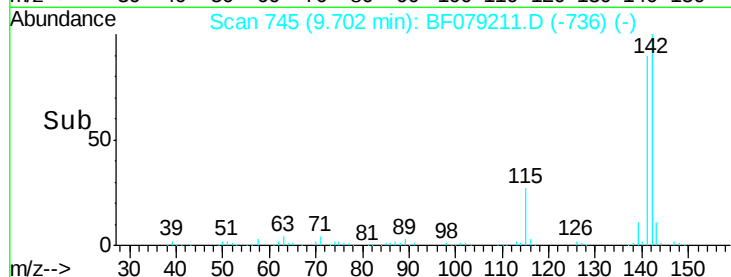
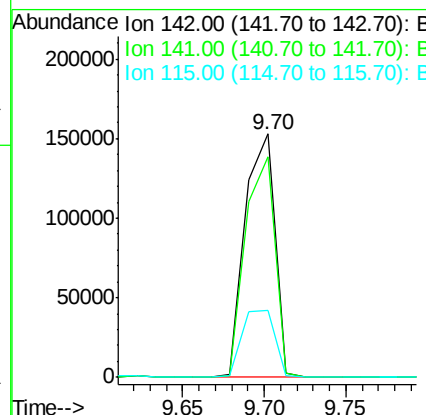
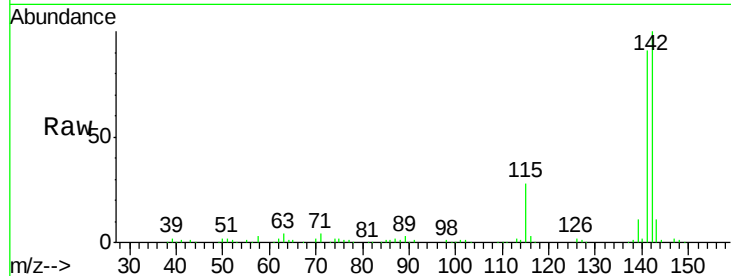
#37
 2-Methylnaphthalene
 Concen: 27.09 ng
 RT: 9.70 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.9	106.3
115	27.6	28.5	42.7#

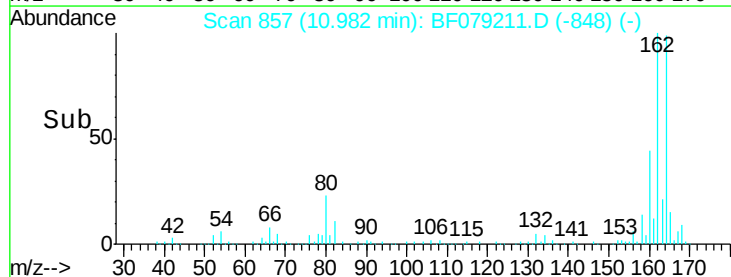
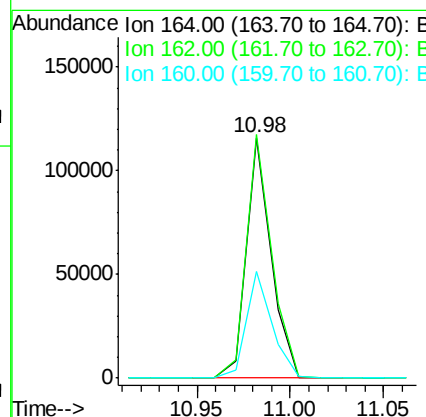
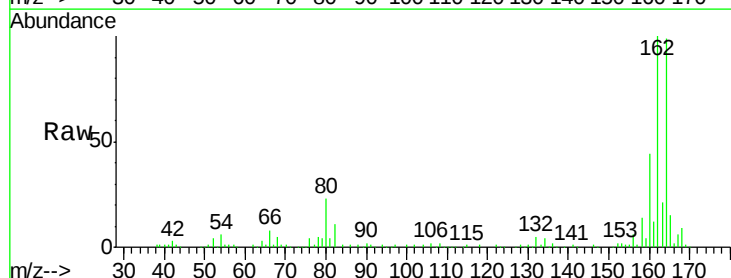
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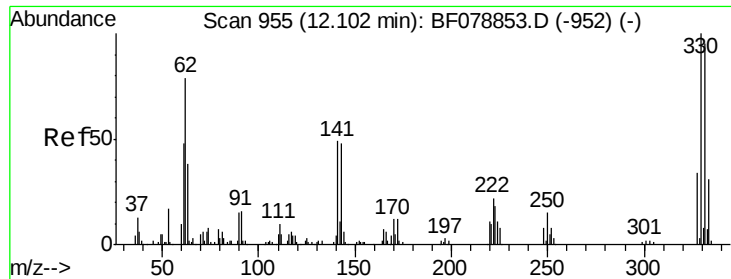
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.7	124.1
160	44.5	35.8	53.8





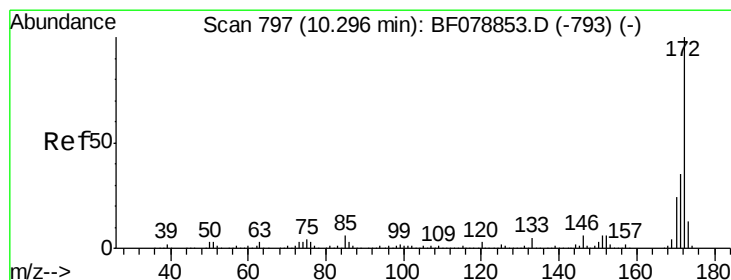
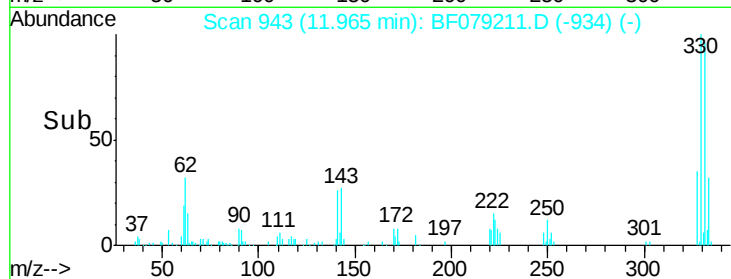
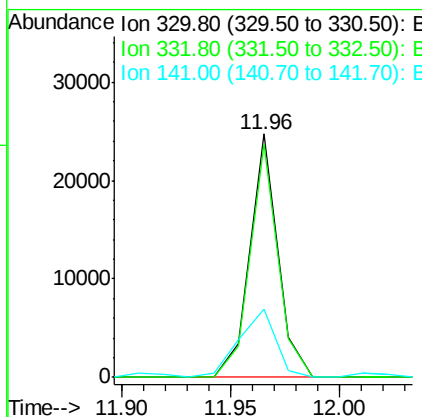
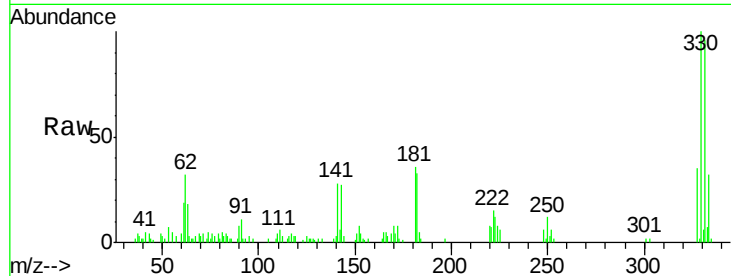
#41
 2,4,6-Tribromophenol
 Concen: 19.00 ng
 RT: 11.96 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22149		
332	95.6	0.0	0.0	0.0
141	39.2	0.0	0.0	0.0

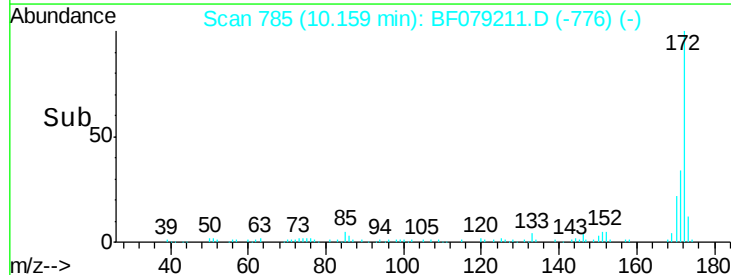
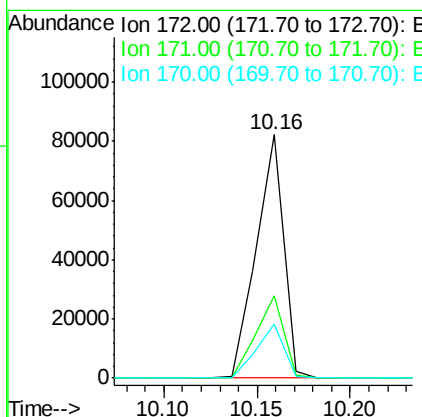
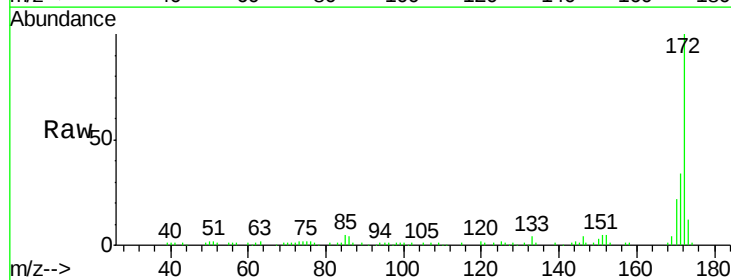
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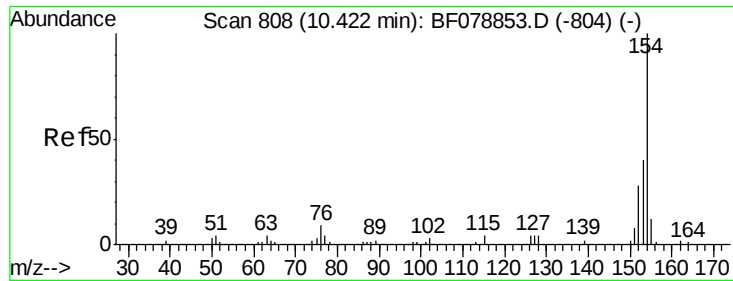
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#44
 2-Fluorobiphenyl
 Concen: 10.73 ng
 RT: 10.16 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	82983		
171	34.0	27.9	41.9	
170	22.2	19.4	29.0	





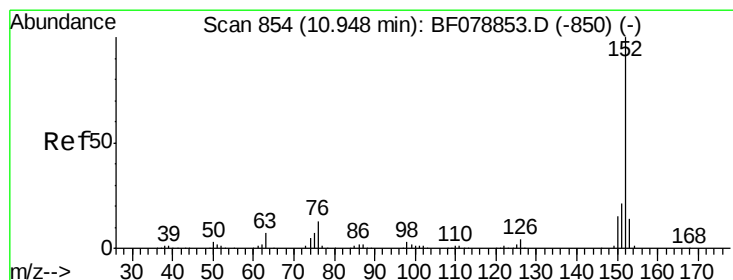
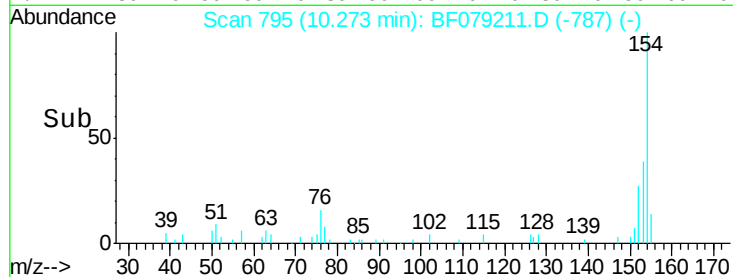
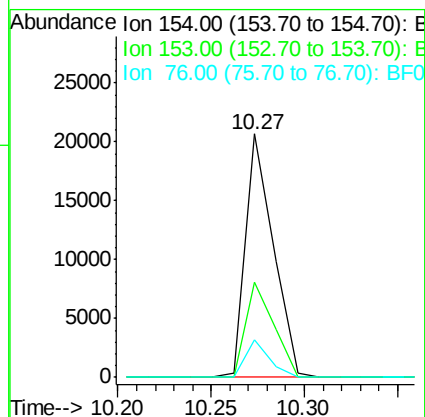
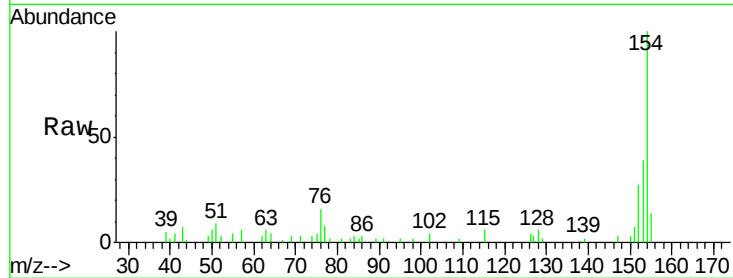
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 1,1'-Biphenyl
 Concen: 2.51 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampled :
 SB-40D

Tot Ion:	154	Resp:	21465
Ion Ratio	Lower	Upper	
154	100		
153	39.2	19.9	59.9
76	15.6	0.0	35.0

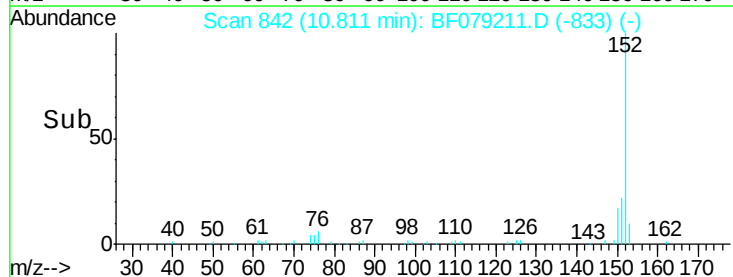
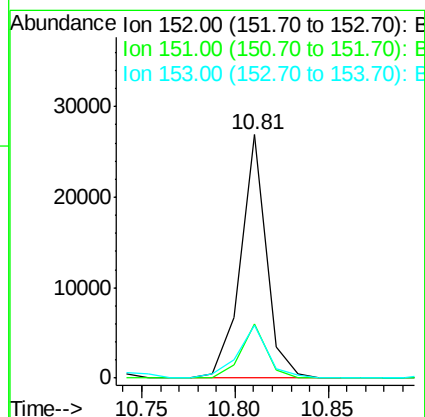
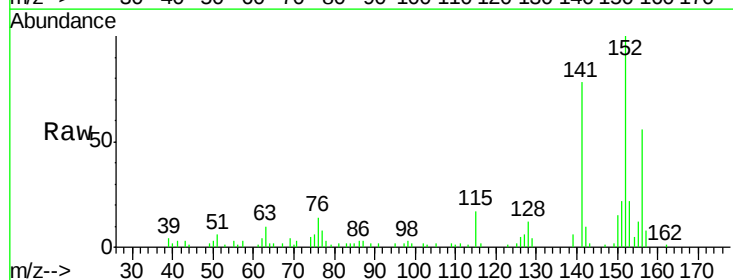
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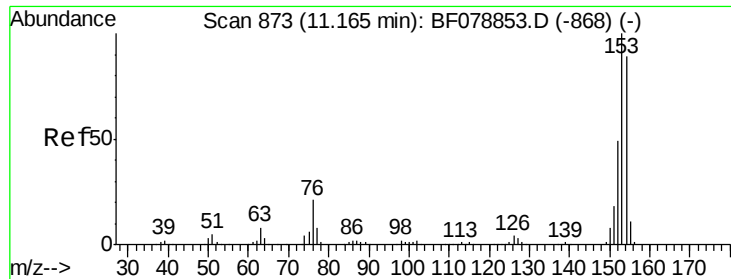
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#48
 Acenaphthylene
 Concen: 2.38 ng
 RT: 10.81 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion:	152	Resp:	26081
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.2	24.4
153	21.9	10.9	16.3#





#51

Acenaphthene

Concen: 14.57 ng

RT: 11.03 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

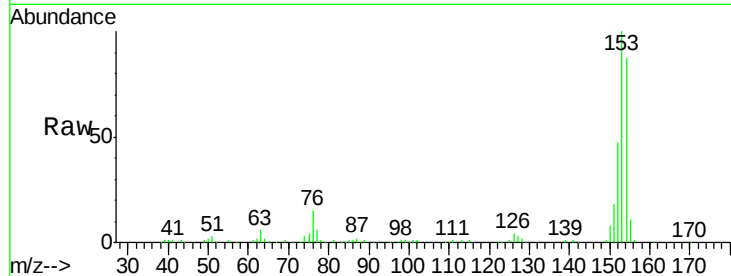
ClientSampleId :

SB-40D

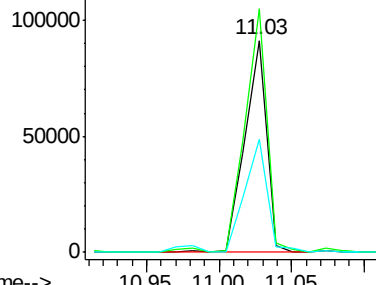
Tot Ion:	154	Resp:	95341
Ion Ratio	Lower	Upper	
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152	53.5	44.2	66.4

Manual Integrations
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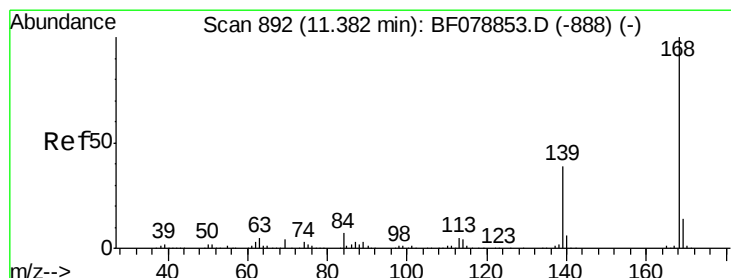
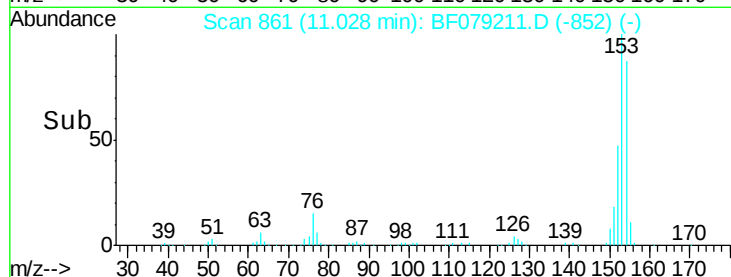
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time-->



#54

Dibenzofuran

Concen: 2.28 ng

RT: 11.24 min Scan# 880

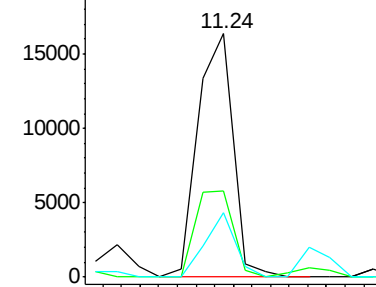
Delta R.T. 0.00 min

Lab File: BF079211.D

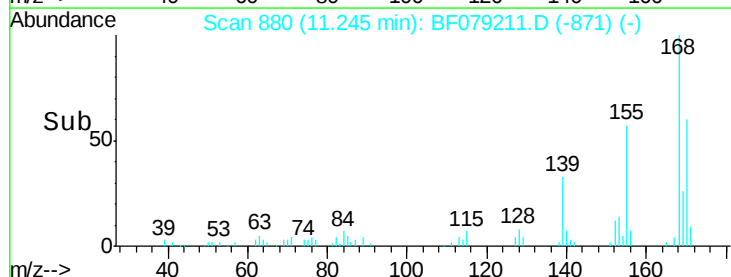
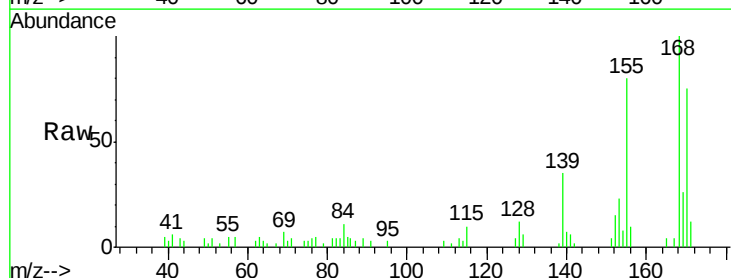
Acq: 13 May 2015 23:36

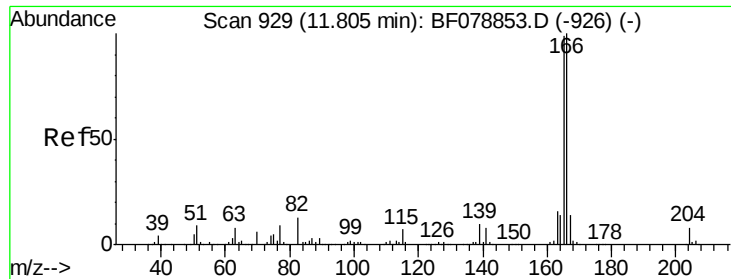
Tgt Ion:	168	Resp:	21589
Ion Ratio	Lower	Upper	
168	100		
139	35.5	31.0	46.4
169	26.3	10.6	16.0#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





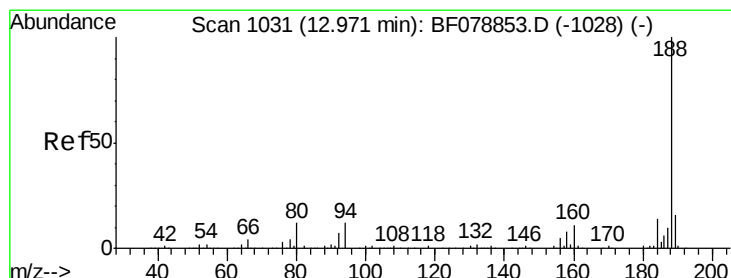
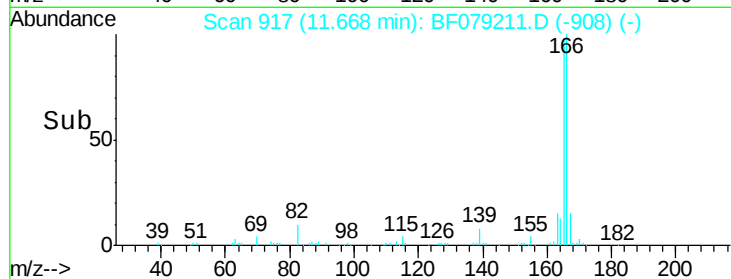
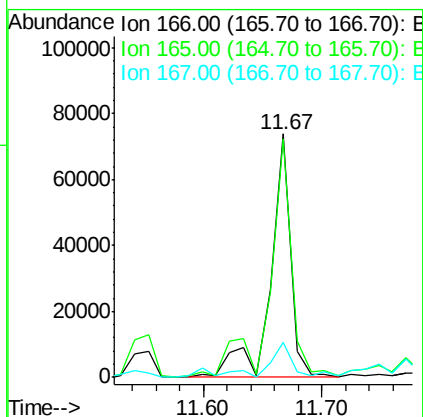
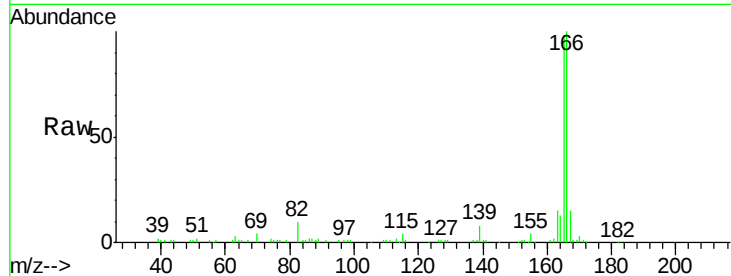
#57
 Fluorene
 Concen: 11.41 ng
 RT: 11.67 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampled :
 SB-40D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		88485		
165	98.2	78.5	117.7		
167	14.6	11.0	16.6		

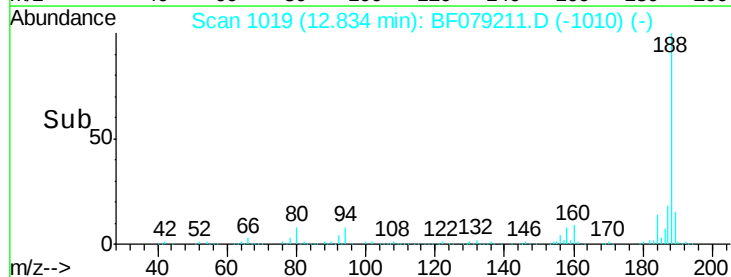
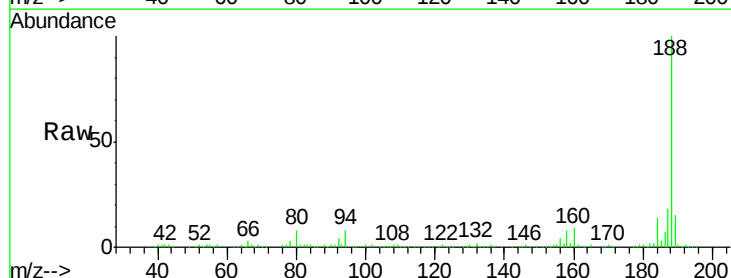
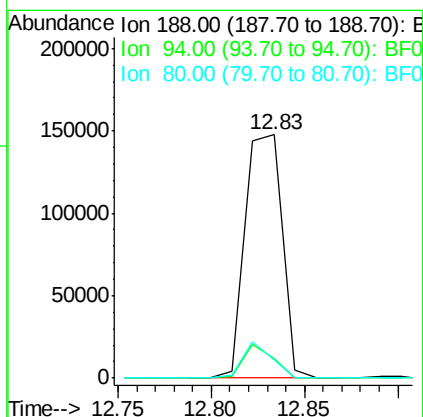
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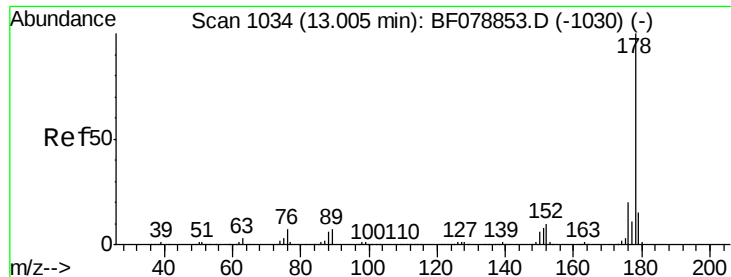
apatel
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.83 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		206806		
94	7.9	8.2	12.2#		
80	7.8	8.9	13.3#		





#70

Phenanthrene

Concen: 37.06 ng

RT: 12.86 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

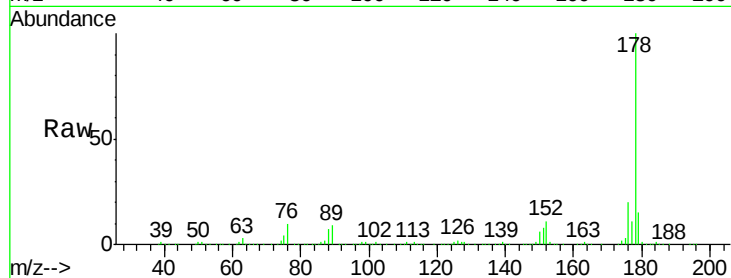
ClientSampleId :

SB-40D

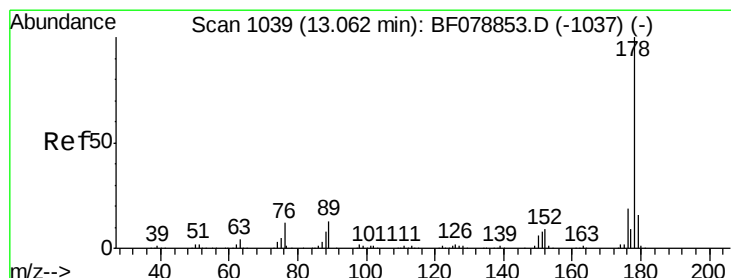
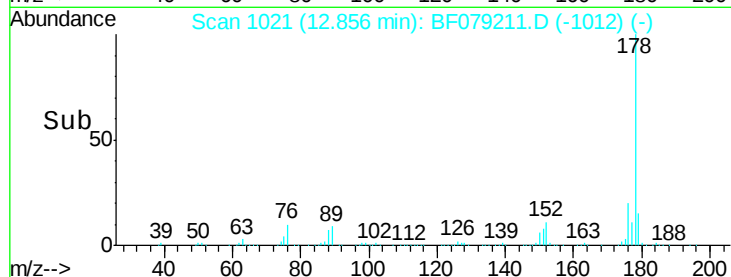
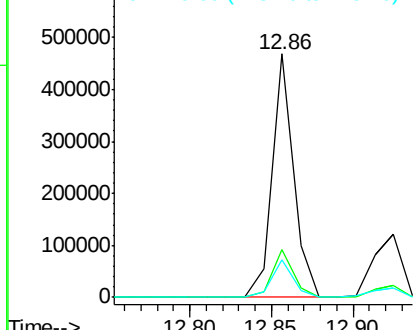
Tot Ion:	178	Resp:	428716
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.5	12.5	18.7

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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: 12.48 ng

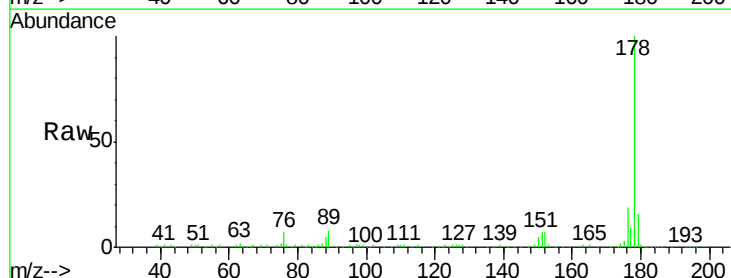
RT: 12.93 min Scan# 1027

Delta R.T. 0.00 min

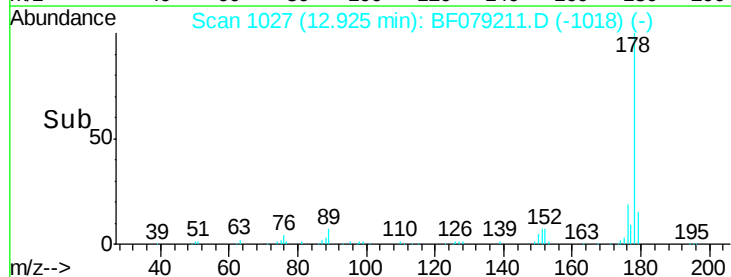
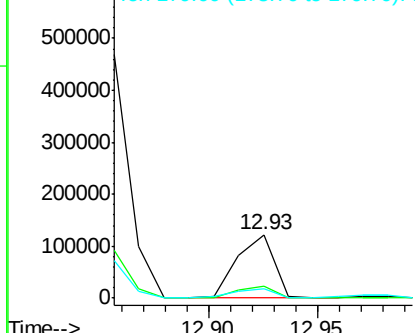
Lab File: BF079211.D

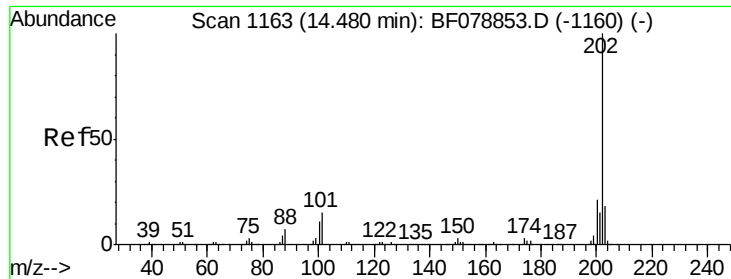
Acq: 13 May 2015 23:36

Tgt Ion:	178	Resp:	141629
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.5	23.3
179	15.8	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: 27.35 ng

RT: 14.33 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

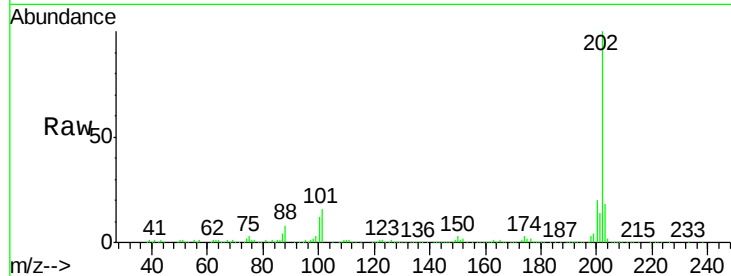
ClientSampleId :

SB-40D

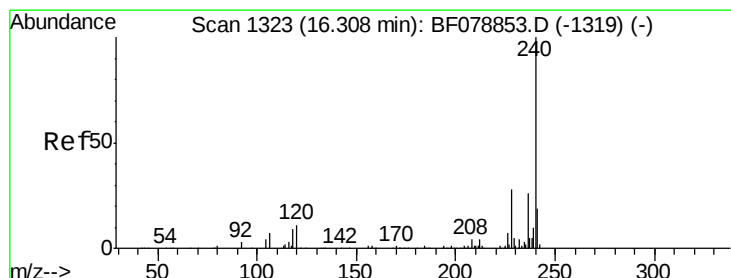
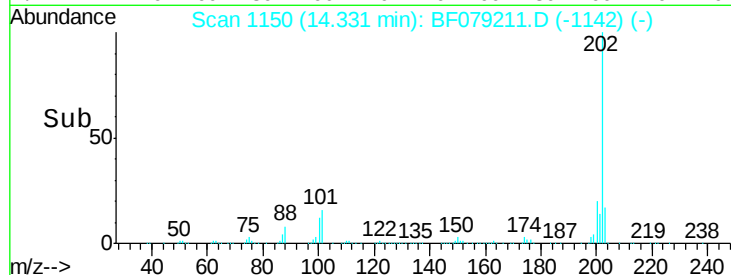
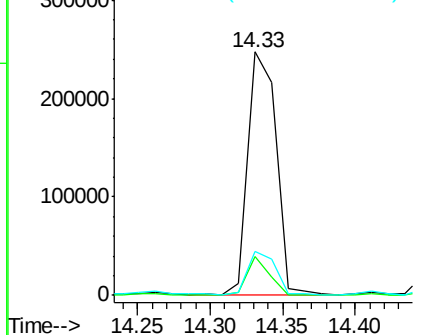
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.8	0.0	34.6
203	17.9	0.0	38.4

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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: 16.13 min Scan# 1307

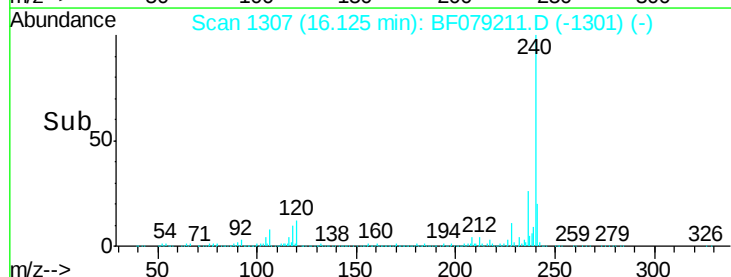
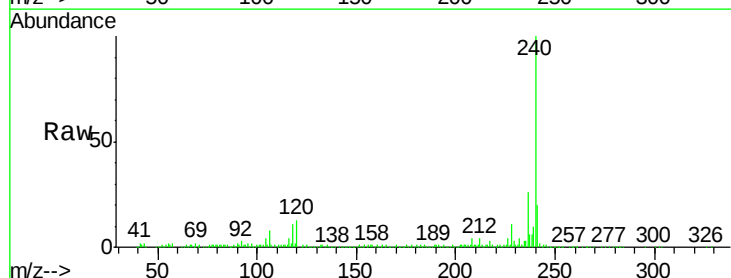
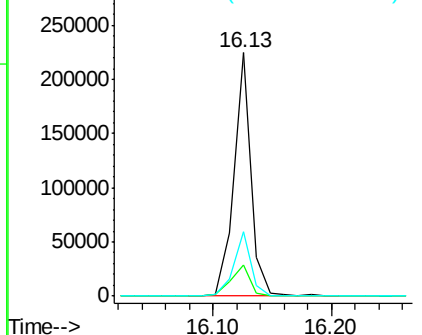
Delta R.T. -0.03 min

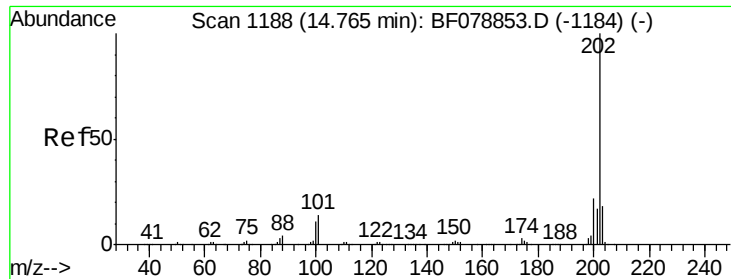
Lab File: BF079211.D

Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.7	9.7	14.5
236	26.3	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

Pvrene

Concen: 28.94 ng

RT: 14.62 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

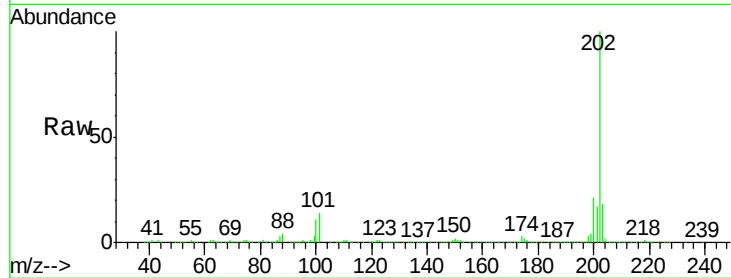
ClientSampleId :

SB-40D

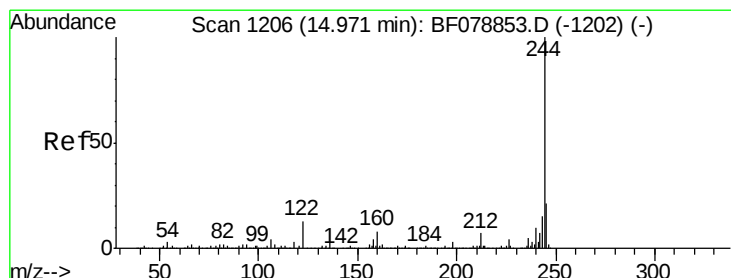
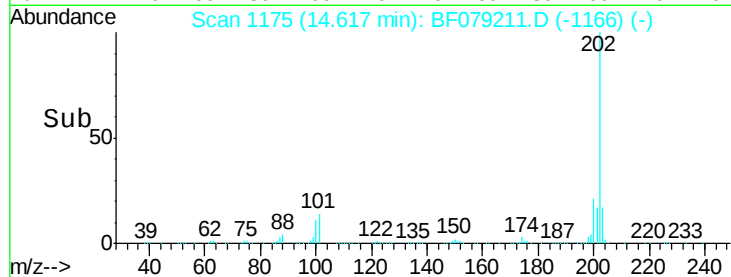
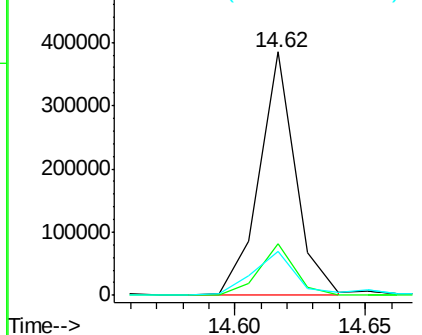
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.0		17.5	26.3	
203	18.2		13.9	20.9	

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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: 11.05 ng

RT: 14.82 min Scan# 1193

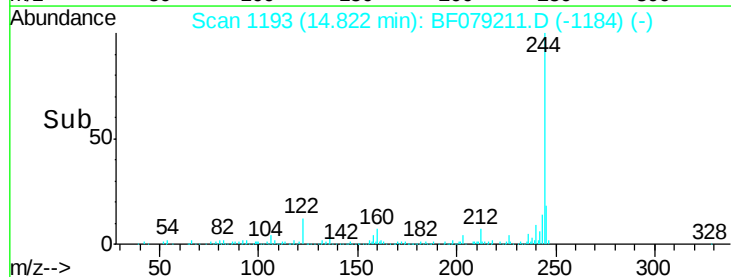
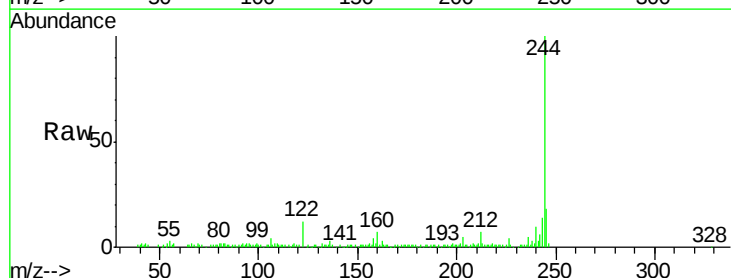
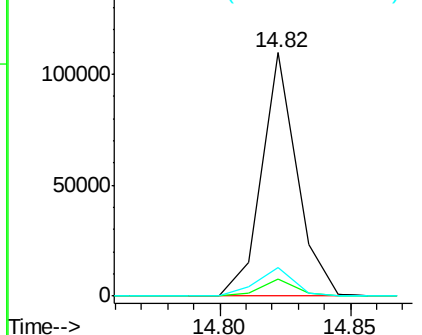
Delta R.T. 0.00 min

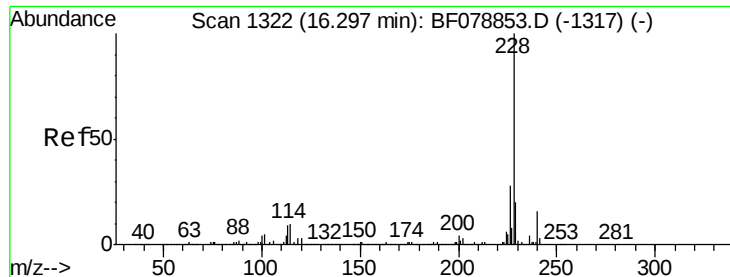
Lab File: BF079211.D

Acq: 13 May 2015 23:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.9		5.6	8.4	
122	11.8		10.3	15.5	

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





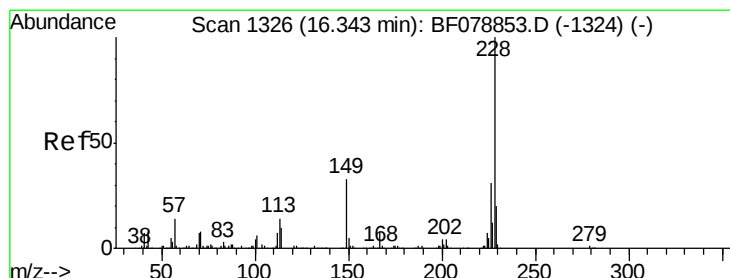
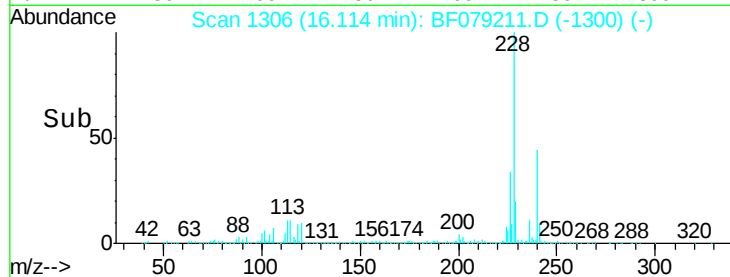
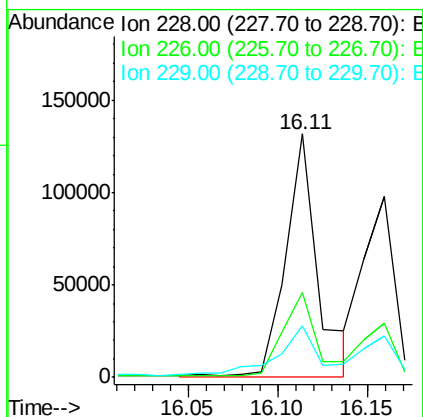
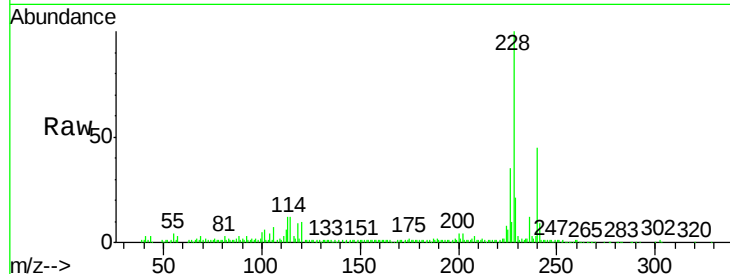
#80
Benzo(a)anthracene
Concen: 13.59 ng
RT: 16.11 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Instrument :
BNA_F
ClientSampleId :
SB-40D

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	21.1	15.9	23.9

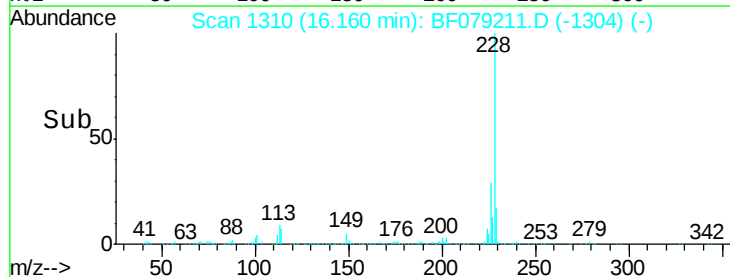
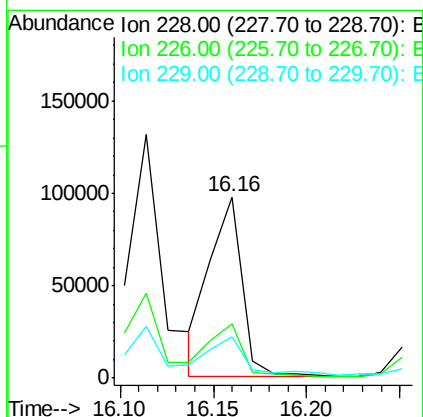
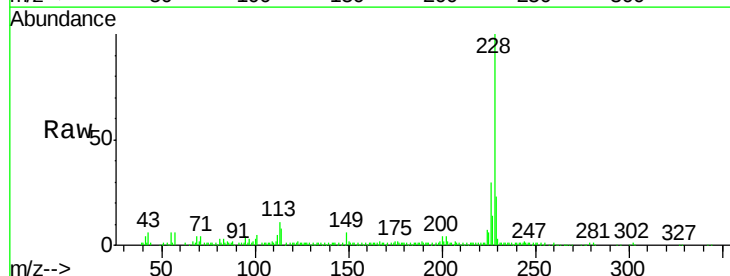
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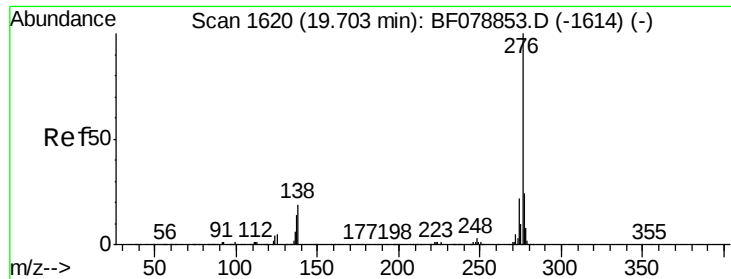
apatel
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#82
Chrysene
Concen: 10.05 ng
RT: 16.16 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.7	16.0	24.0





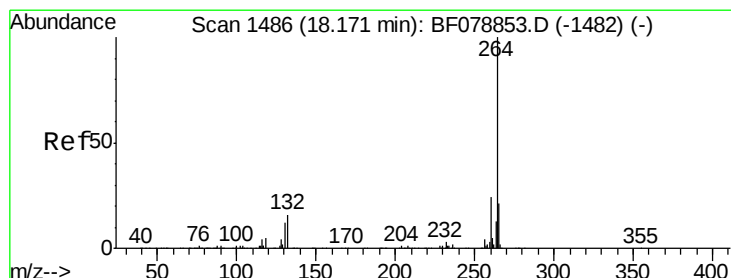
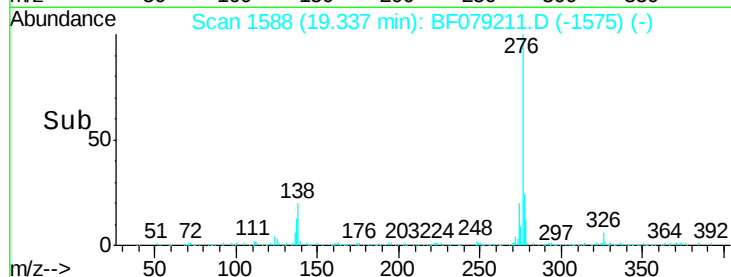
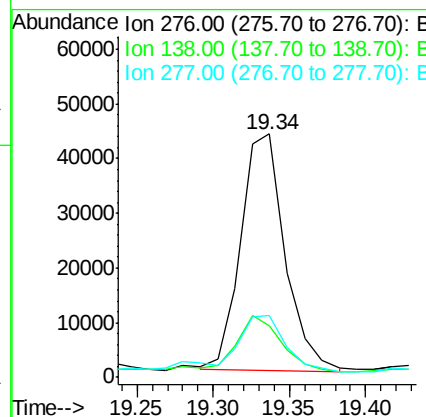
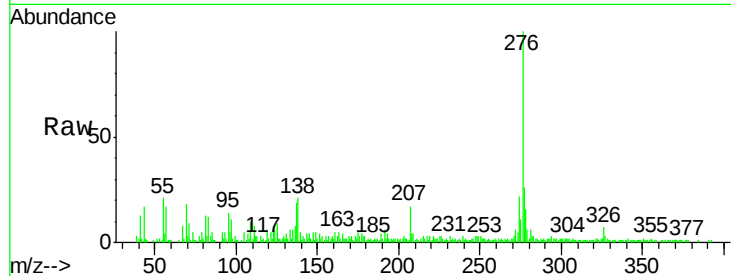
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.88 ng/mL
RT: 19.34 min Scan# 1588
Delta R.T. -0.15 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Instrument :
BNA_F
ClientSampleId :
SB-40D

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	3.8	0.0	0.0#
277	2.6	0.0	0.0#

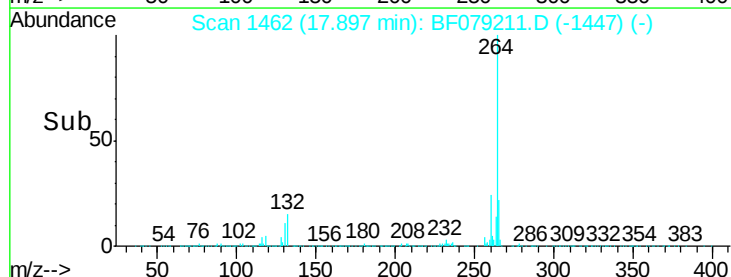
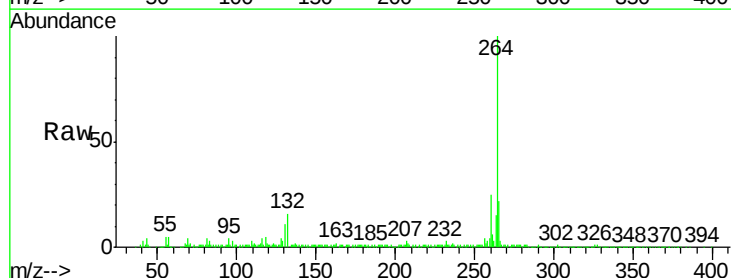
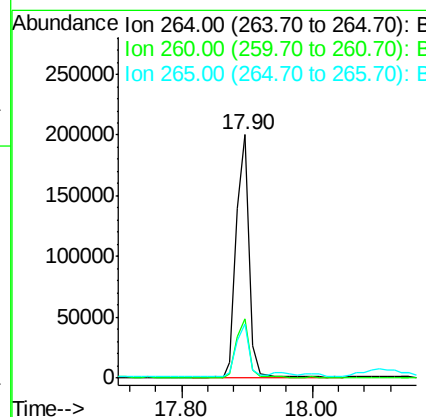
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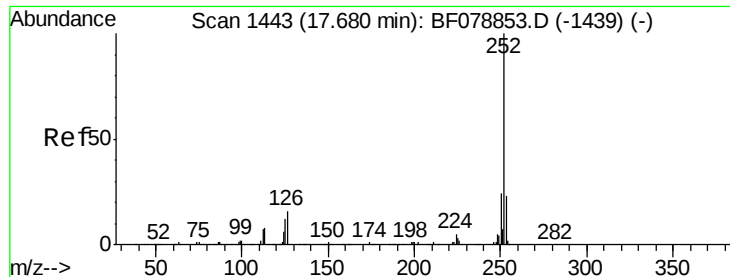
apatel
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.90 min Scan# 1462
Delta R.T. -0.13 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	19.4	29.2
265	22.1	18.3	27.5





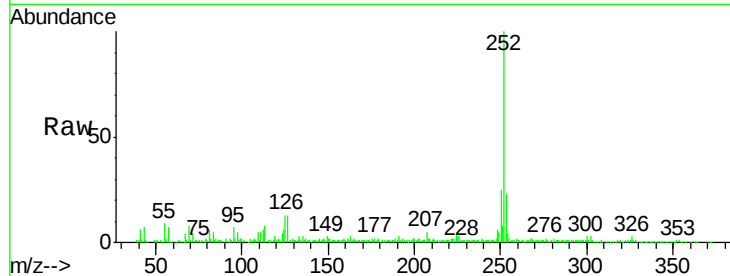
#87
Benzo(b)fluoranthene
Concen: 11.11 ng m
RT: 17.44 min Scan# 1422
Delta R.T. -0.09 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Instrument :
BNA_F
ClientSampled :
SB-40D

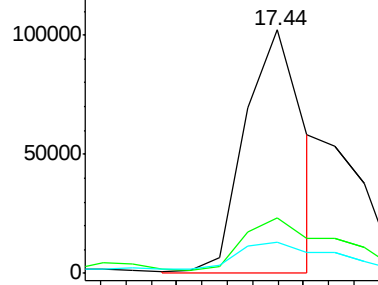
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	12.6	9.5	14.3

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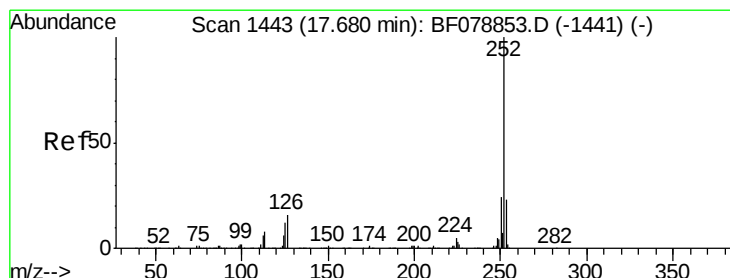
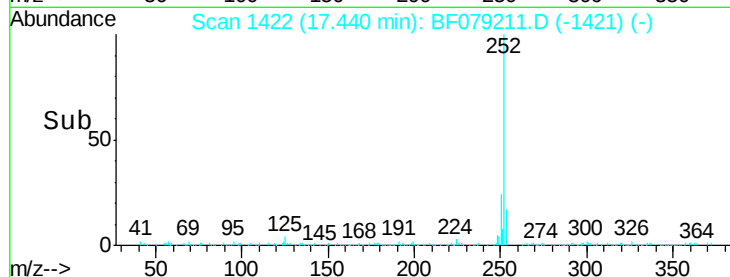
apatel
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

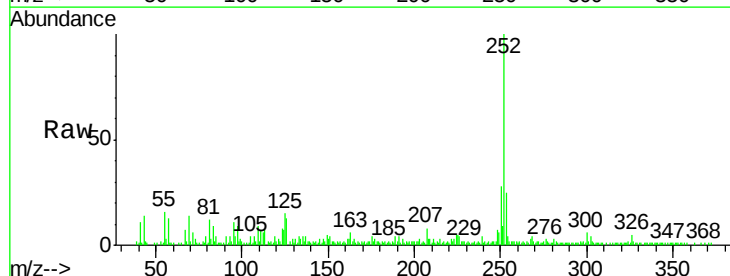


Time-->

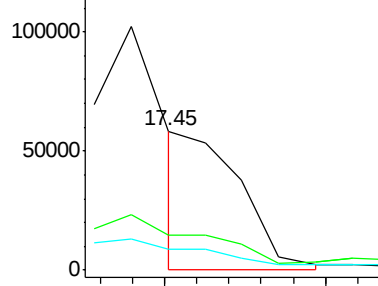


#88
Benzo(k)fluoranthene
Concen: 4.76 ng m
RT: 17.45 min Scan# 1423
Delta R.T. -0.11 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

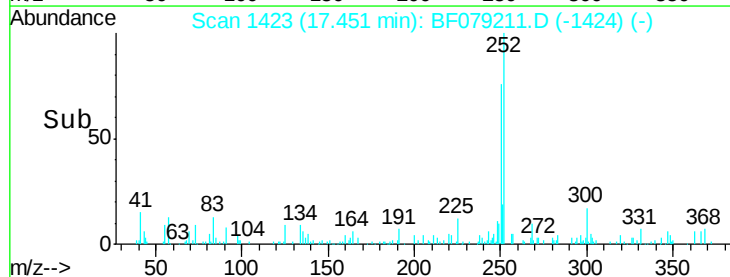
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	15.5	10.0	15.0#

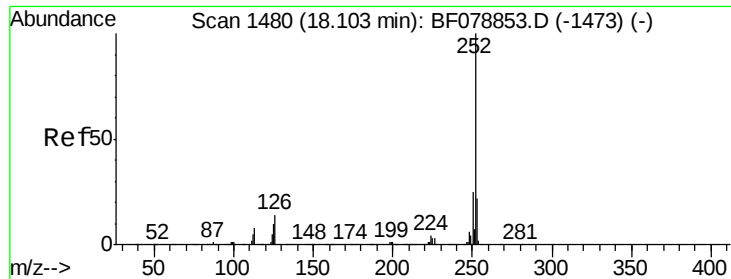


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





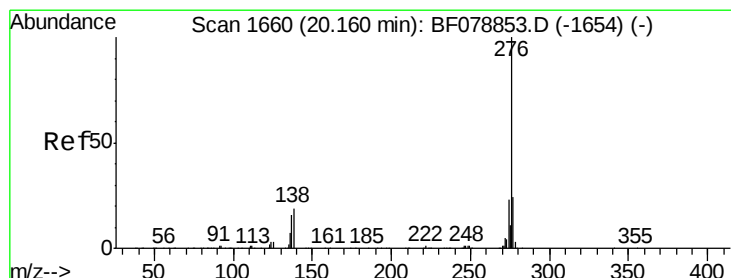
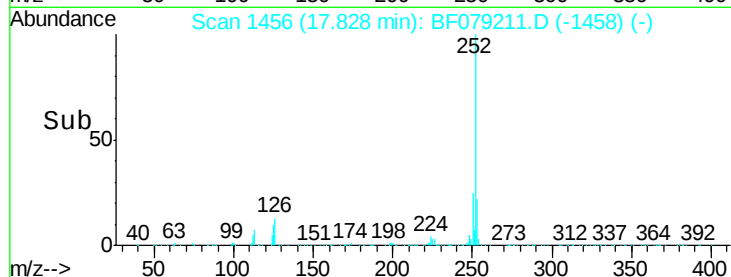
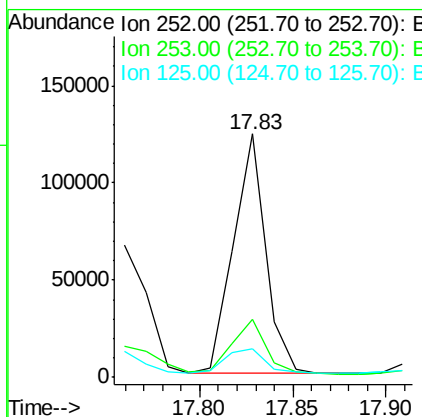
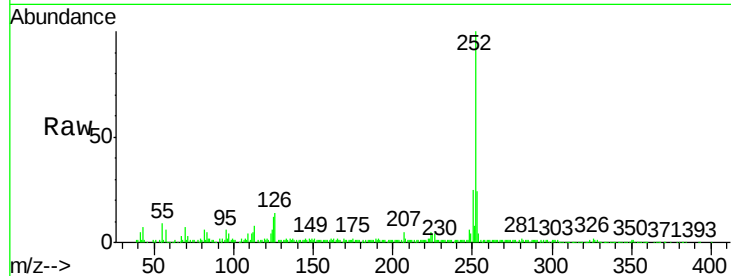
#89
Benzo(a)pyrene
Concen: 11.08 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.13 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Instrument :
BNA_F
ClientSampleId :
SB-40D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.7	7.0	10.6

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#91
Benzo(g,h,i)perylene
Concen: 5.59 ng
RT: 19.76 min Scan# 1625
Delta R.T. -0.15 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	26.0	17.4	26.0

