

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078500.D
 Acq On : 14 Apr 2015 12:17
 Operator : TP/IZ
 Sample : G1850-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Manual Integrations
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Quant Time: Apr 14 12:16:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 11:28:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	32373	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	133625	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	65936	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	132794	20.00	ng	0.00
75) Chrysene-d12	15.66	240	139111	20.00	ng	0.01
86) Perylene-d12	17.41	264	139296	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	14.38	244	2300	0.37	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.43	128	531307	76.39	ng	99
37) 2-Methylnaphthalene	9.29	142	101139	21.42	ng	99
45) 1,1'-Biphenyl	9.87	154	15042	2.79	ng	100
48) Acenaphthylene	10.39	152	40183	5.86	ng	98
49) Dimethylphthalate	10.27	163	19887	4.01	ng	96
51) Acenaphthene	10.60	154	208599	54.07	ng	99
54) Dibenzofuran	10.82	168	65909	11.19	ng	93
57) Fluorene	11.23	166	97835	20.48	ng	99
70) Phenanthrene	12.42	178	457873	59.61	ng	99
71) Anthracene	12.48	178	194539	25.70	ng	99
72) Carbazole	12.70	167	45313	6.39	ng	98
74) Fluoranthene	13.89	202	509462	62.89	ng	92
77) Pyrene	14.16	202	728299	83.40	ng	97
80) Benzo(a)anthracene	15.65	228	256311m	30.97	ng	
82) Chrysene	15.68	228	187424m	24.10	ng	
85) Indeno(1,2,3-cd)pyrene	18.67	276	85923m	9.74	ng	
87) Benzo(b)fluoranthene	16.96	252	178814m	20.77	ng	
88) Benzo(k)fluoranthene	16.97	252	73538m	9.61	ng	
89) Benzo(a)pyrene	17.34	252	207989	27.68	ng	# 90
91) Benzo(g,h,i)perylene	19.02	276	104468m	13.85	ng	

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

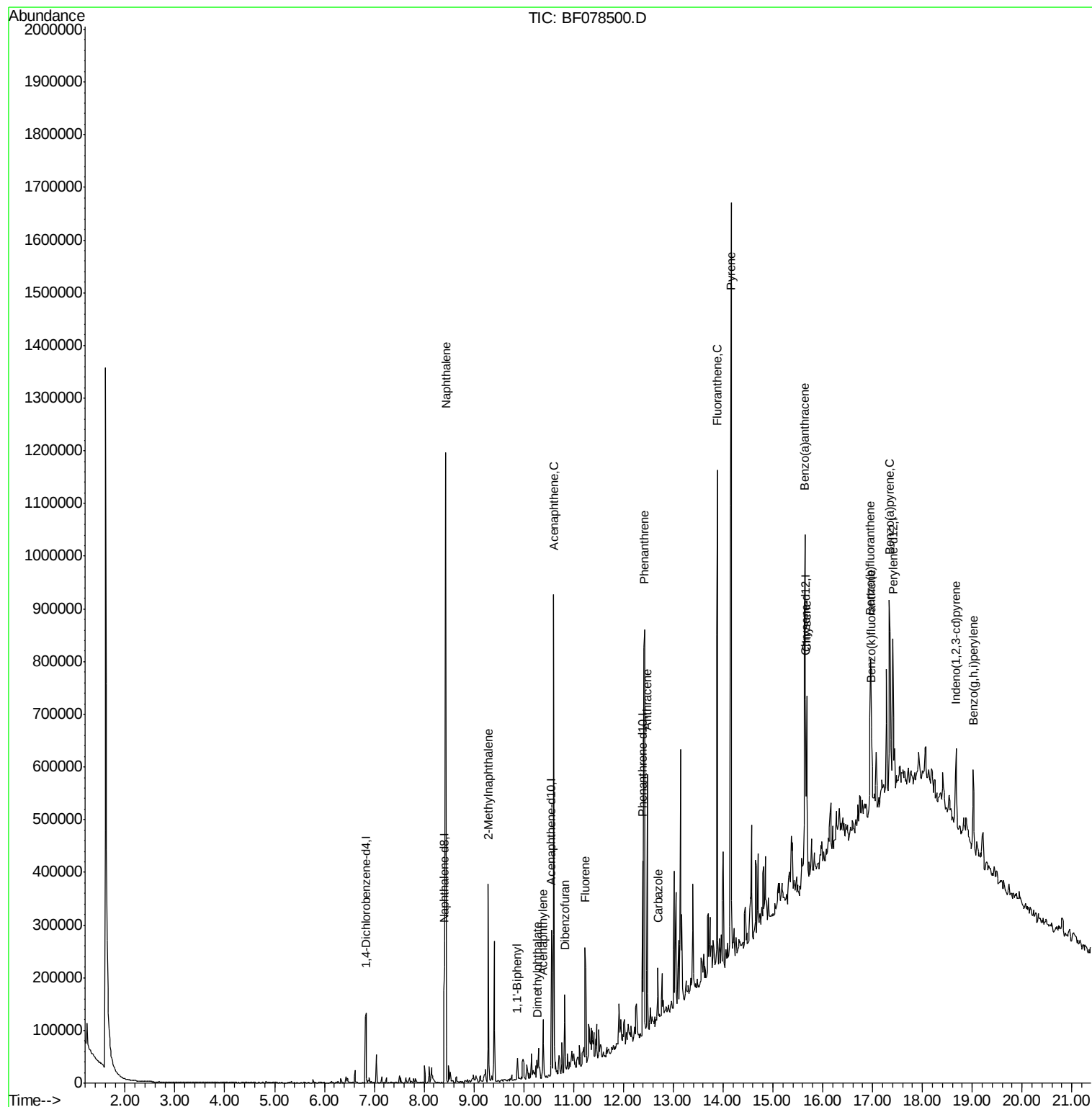
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078500.D
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Sample : G1850-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

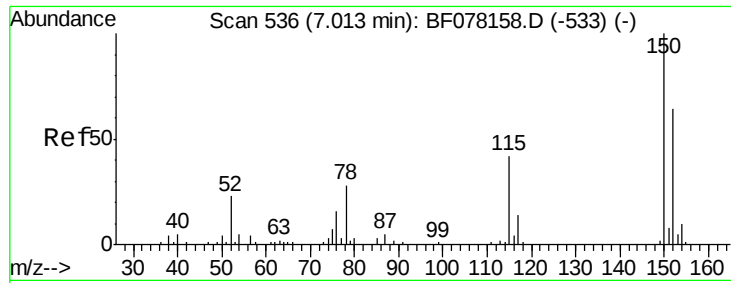
Instrument :
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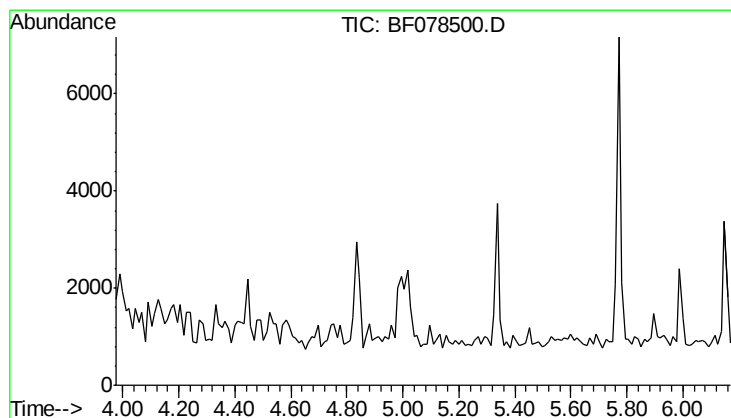
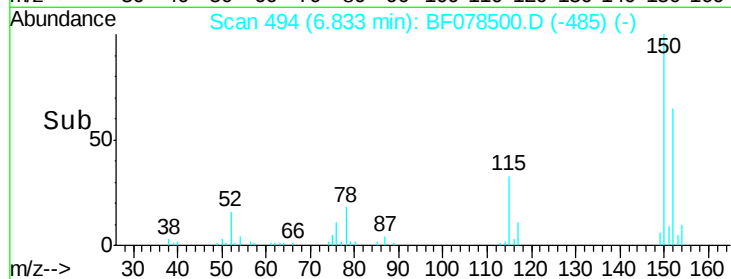
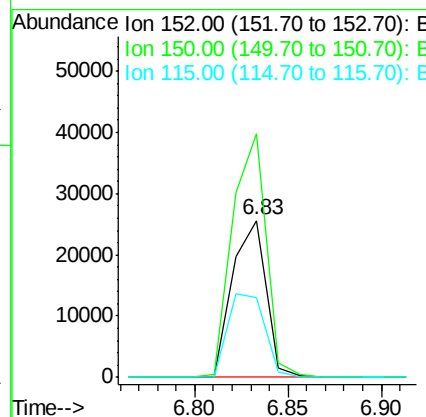
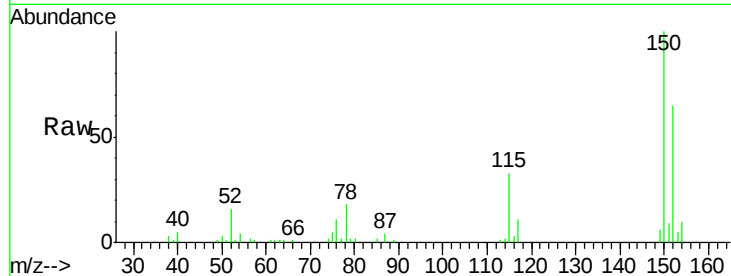
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	51.1	52.7	79.1

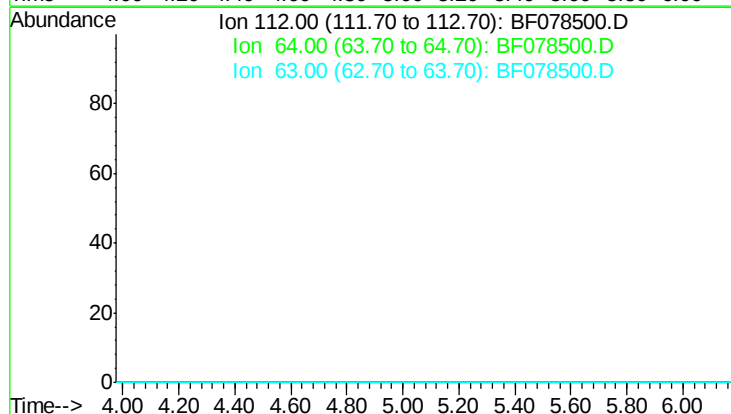
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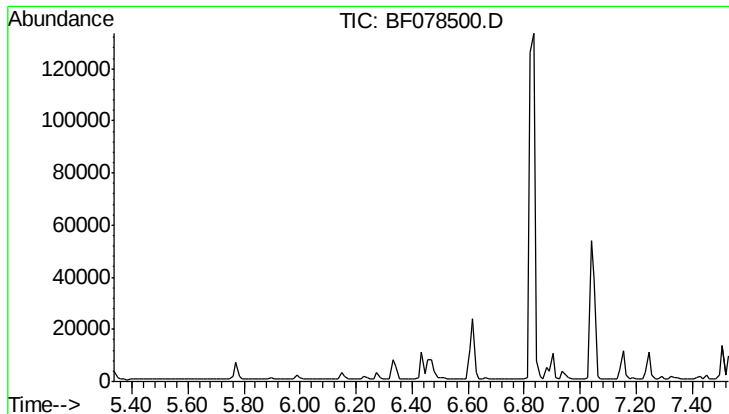
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#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.07 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion	Sig	Exp Ratio
112	100	
64	49.9	
63	25.3	





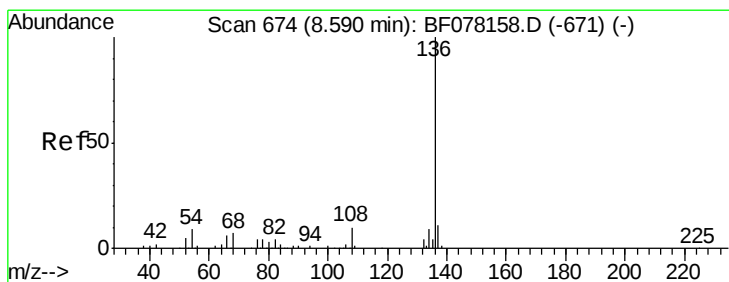
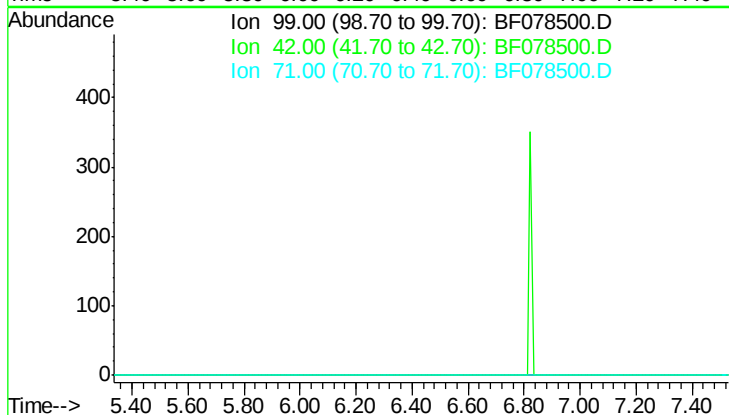
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.43 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 18.5
 71 33.2

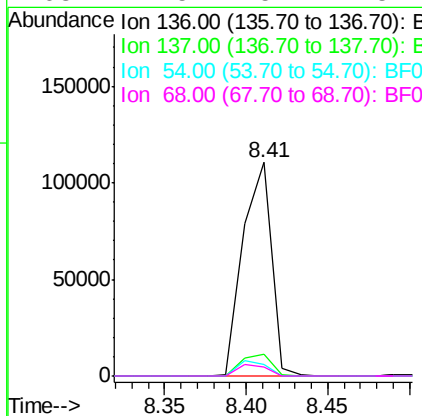
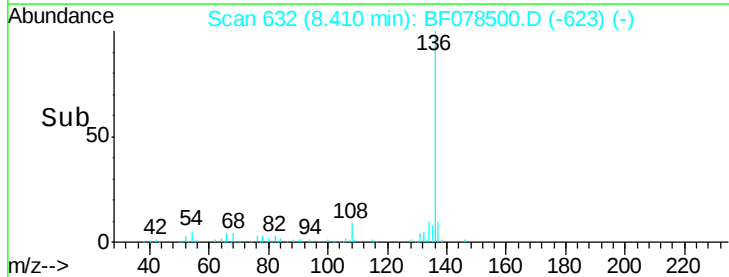
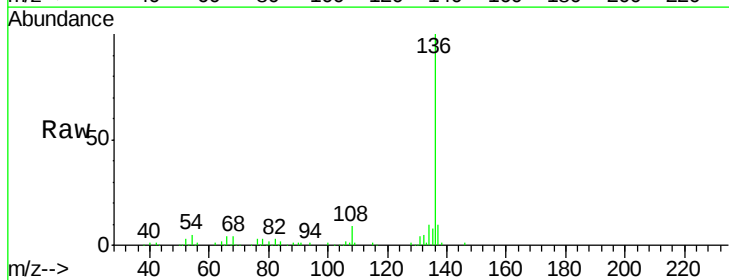
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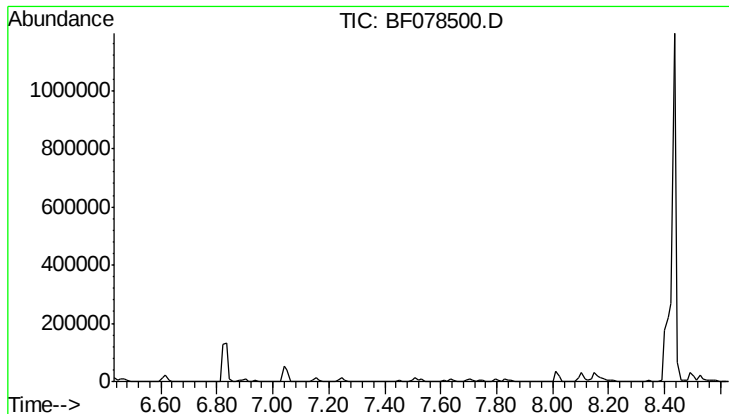
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.41 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion: 136 Resp: 133625
 Ion Ratio Lower Upper
 136 100
 137 10.1 9.0 13.4
 54 5.1 7.0 10.6#
 68 4.5 5.4 8.2#



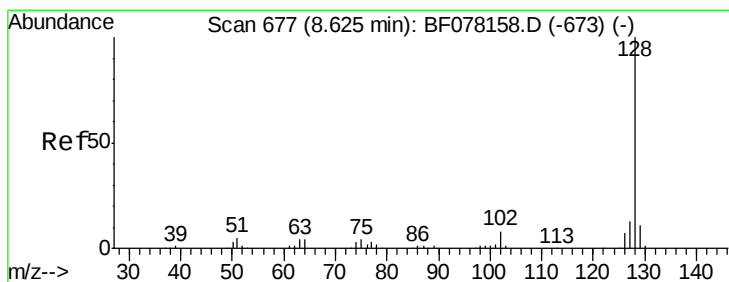
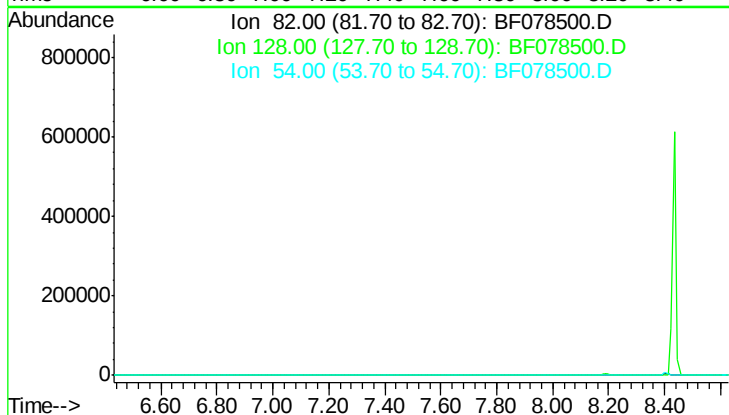


#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.53 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

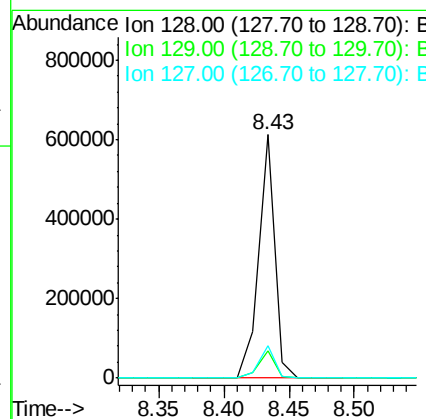
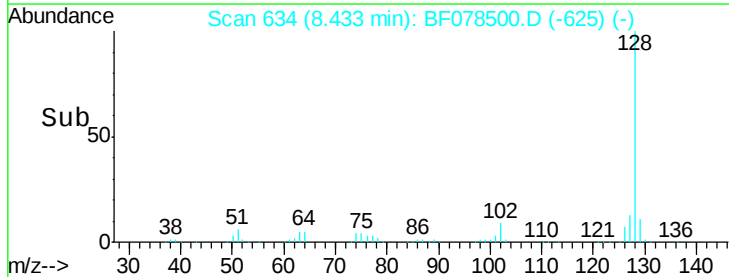
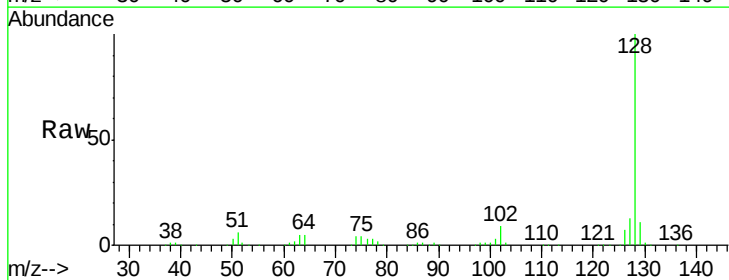
Tgt Ion	Exp Ratio
82	100
128	39.8
54	51.9

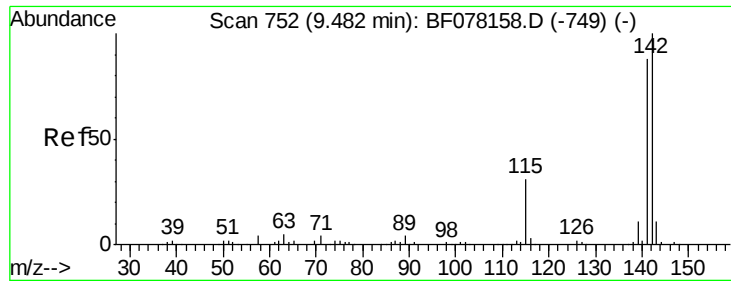
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#31
 Naphthalene
 Concen: 76.39 ng
 RT: 8.43 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	13.3	10.7	16.1





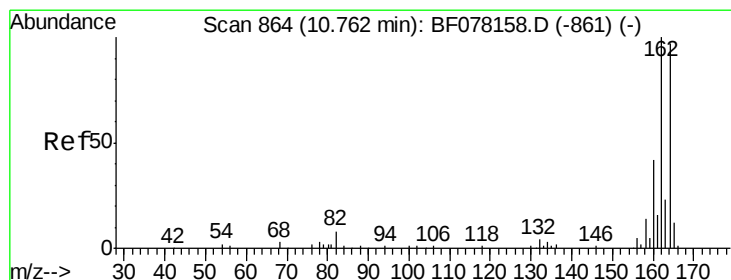
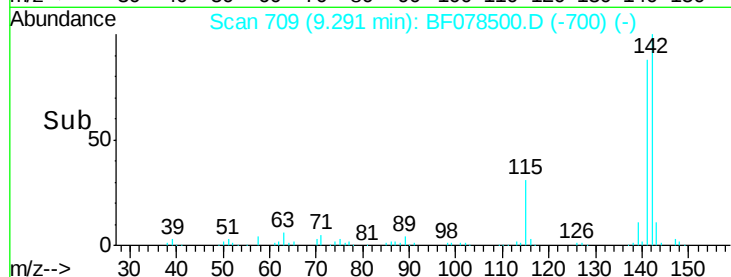
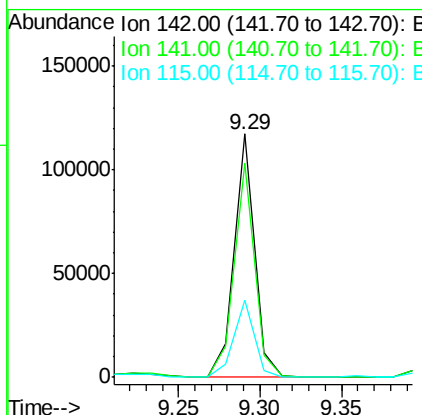
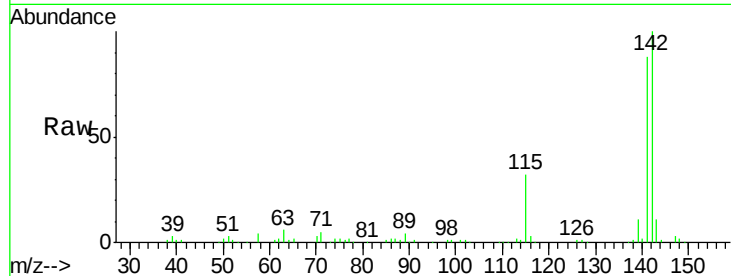
#37
 2-Methylnaphthalene
 Concen: 21.42 ng
 RT: 9.29 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion:	142	Resp:	101139
Ion Ratio	Lower	Upper	
142	100		
141	88.2	70.3	105.5
115	31.6	24.6	37.0

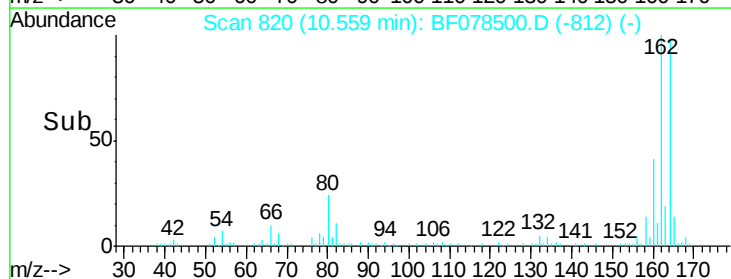
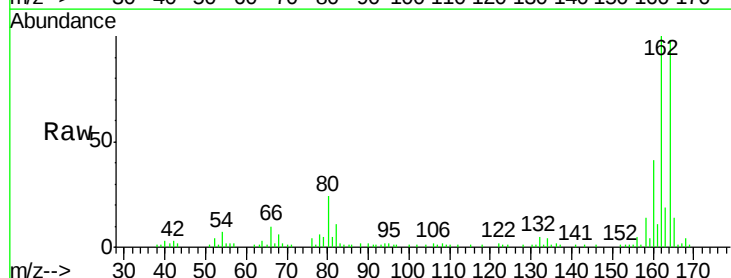
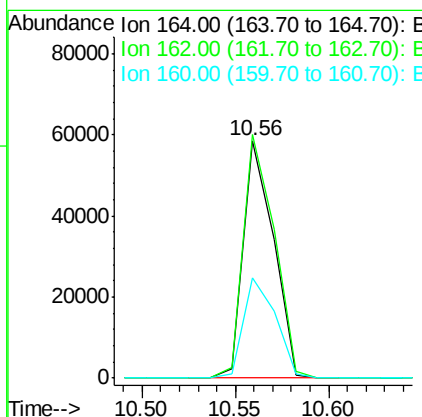
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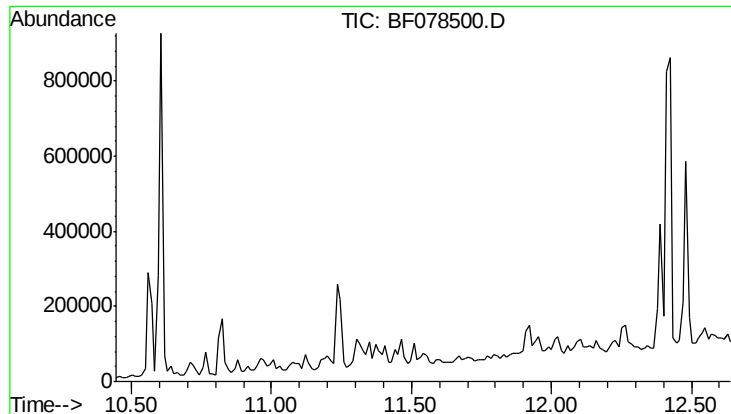
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion:	164	Resp:	65936
Ion Ratio	Lower	Upper	
164	100		
162	102.5	82.2	123.2
160	42.2	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 11.54 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion: 330

Sig Exp Ratio

330 100

332 98.2

141 39.0

Instrument :

BNA_F

ClientSampleId :

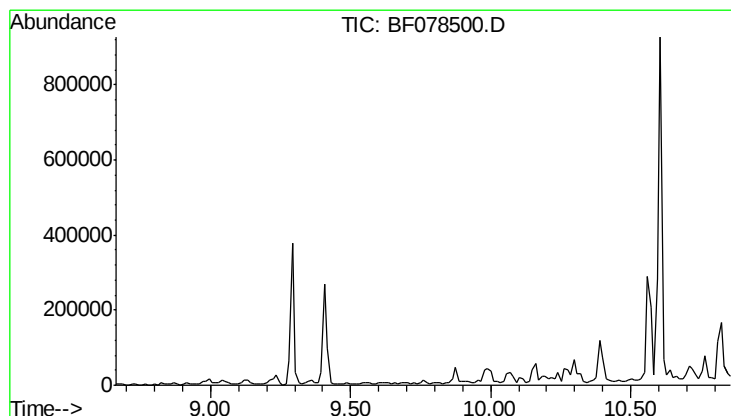
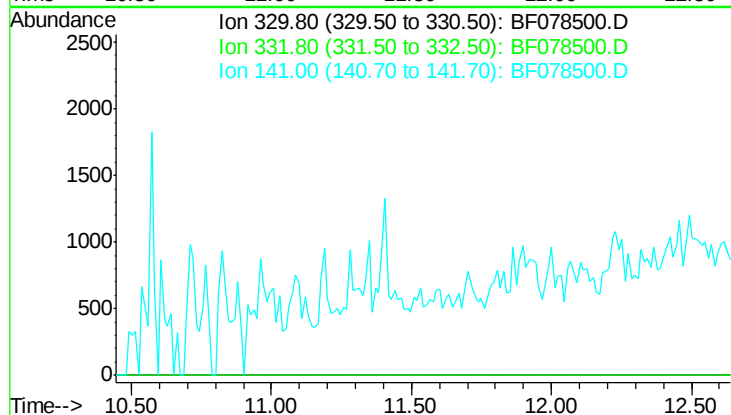
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#44

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 9.76 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

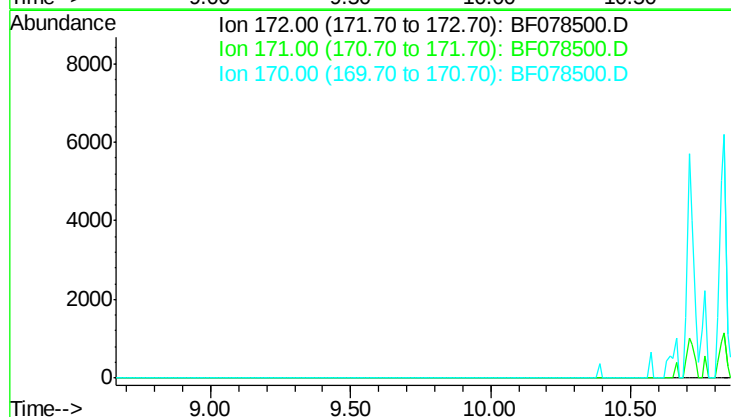
Tgt Ion: 172

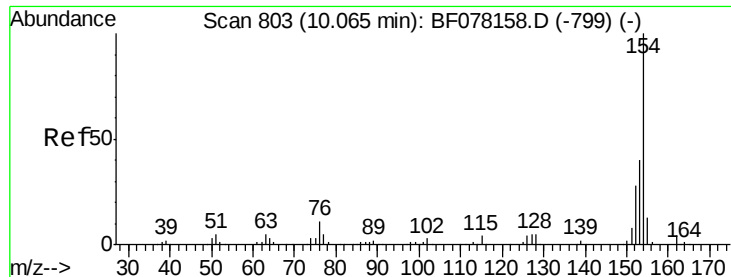
Sig Exp Ratio

172 100

171 35.7

170 23.1





#45

1,1'-Biphenyl

Concen: 2.79 ng

RT: 9.87 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

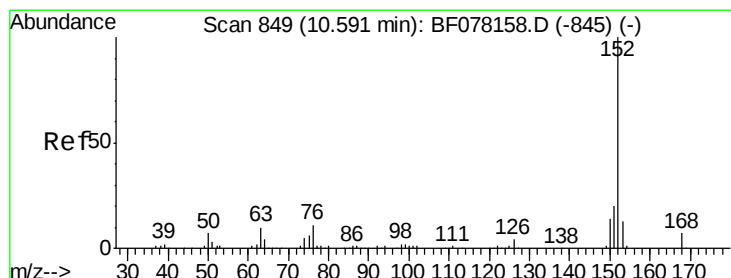
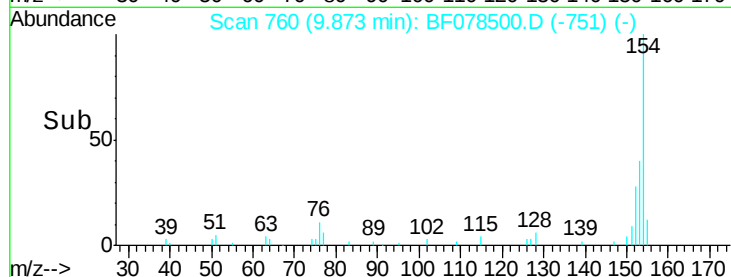
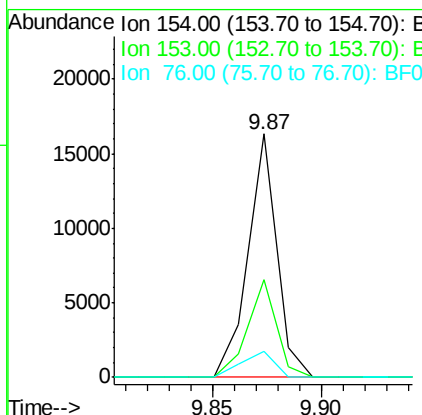
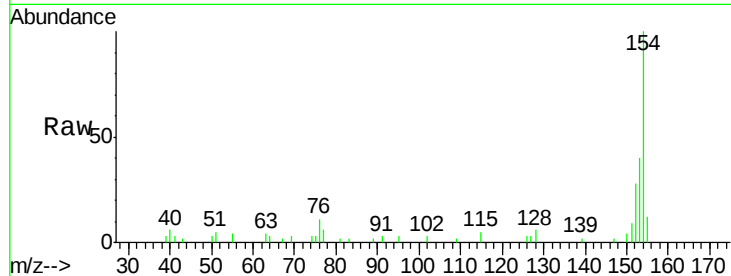
ClientSampleId :

FD-1-20150409

Tgt Ion:	154	Resp:	15042
Ion Ratio	Lower	Upper	
154	100		
153	40.1	20.0	60.0
76	10.8	0.0	30.6

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#48

Acenaphthylene

Concen: 5.86 ng

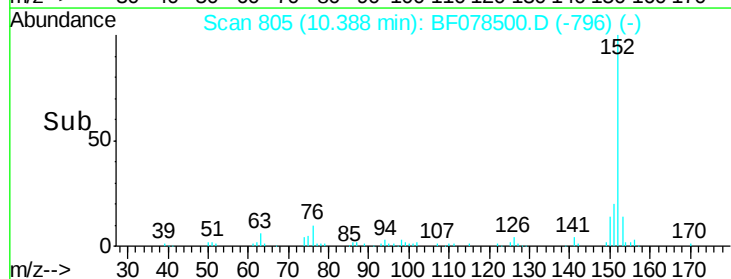
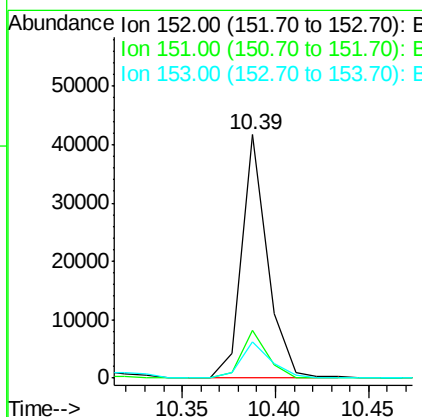
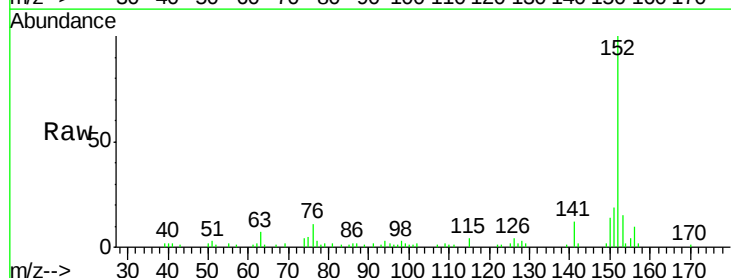
RT: 10.39 min Scan# 805

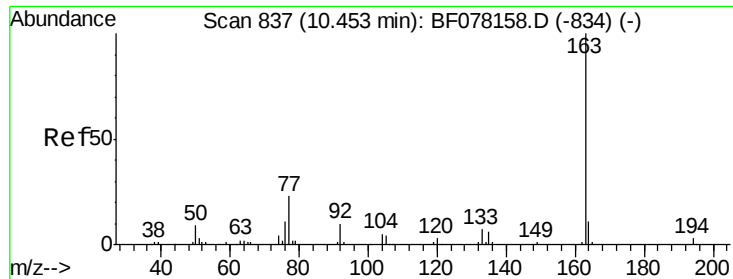
Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion:	152	Resp:	40183
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.7	23.5
153	14.9	10.2	15.2





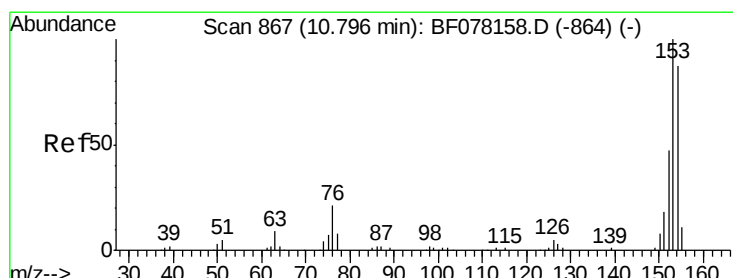
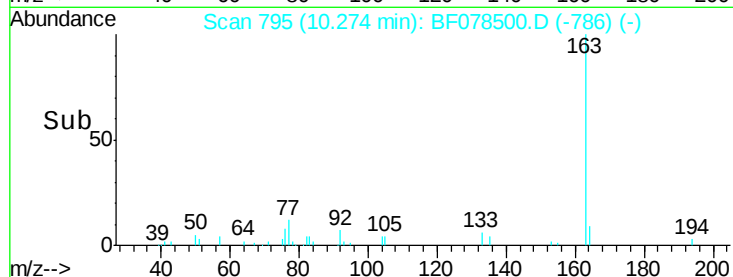
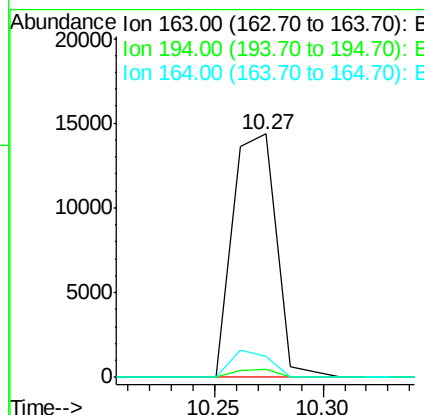
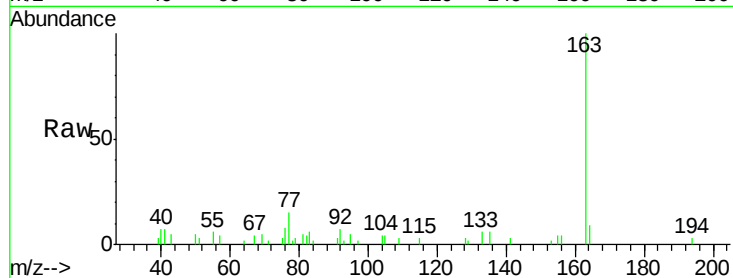
#49
Dimethylphthalate
Concen: 4.01 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	19887		
194	3.3	2.3	3.5	
164	8.8	8.6	13.0	

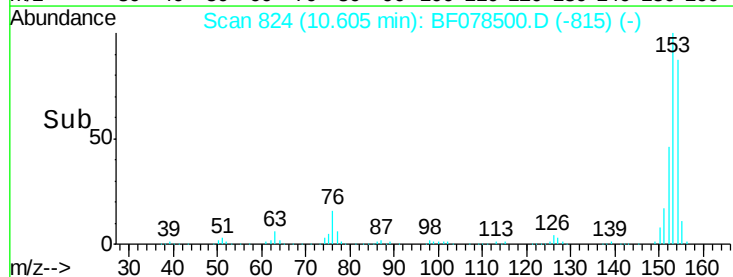
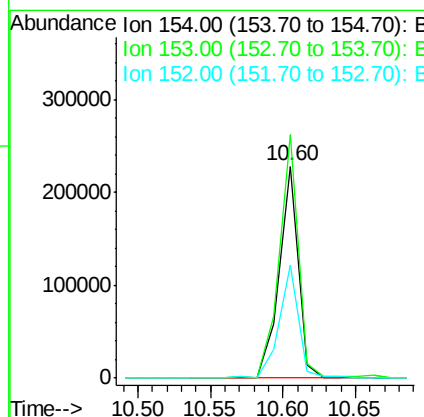
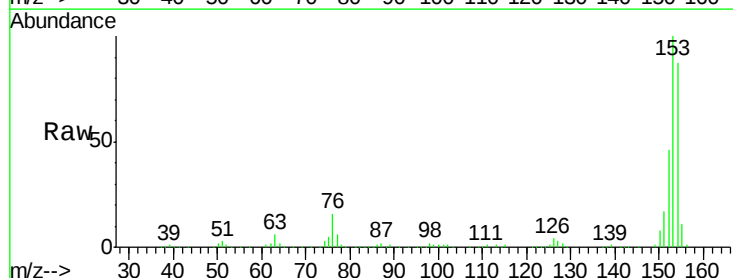
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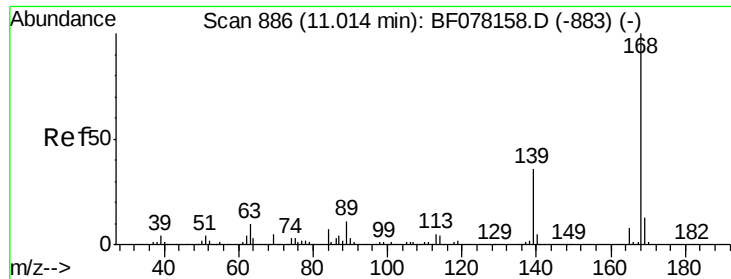
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#51
Acenaphthene
Concen: 54.07 ng
RT: 10.60 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	208599		
153	114.8	91.4	137.2	
152	53.4	43.0	64.6	





#54

Dibenzenofuran

Concen: 11.19 ng

RT: 10.82 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF078500.D

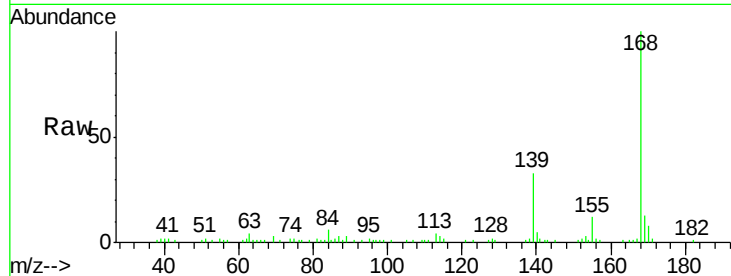
Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

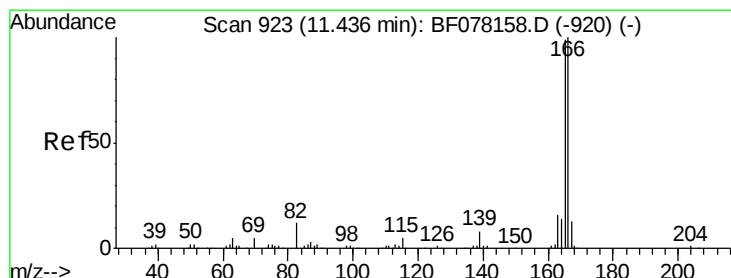
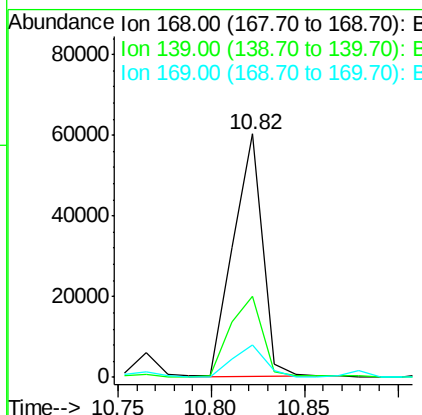
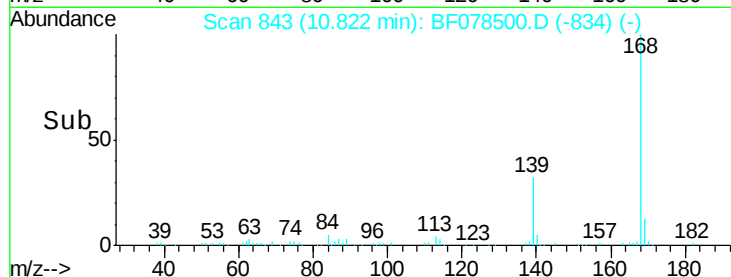
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.3	31.0	46.4
169	13.4	10.7	16.1

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#57

Fluorene

Concen: 20.48 ng

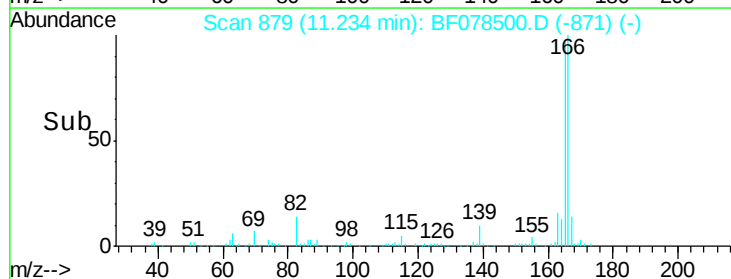
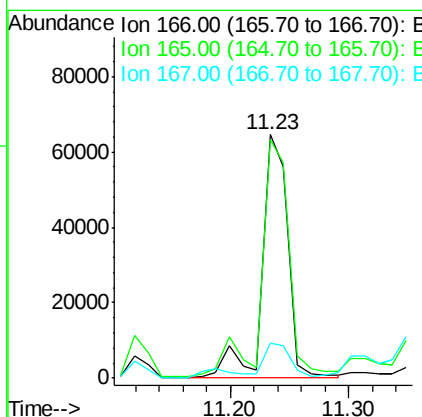
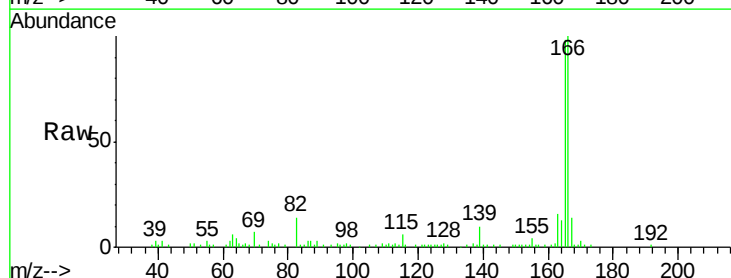
RT: 11.23 min Scan# 879

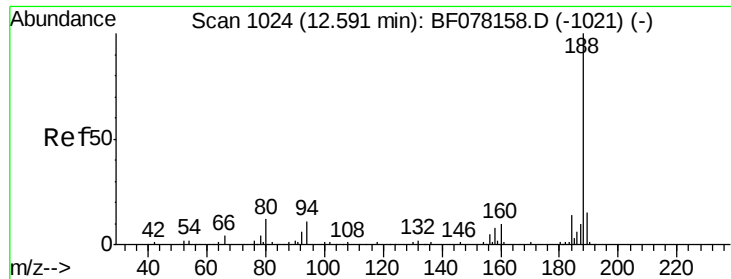
Delta R.T. -0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.9	118.3
167	14.2	10.7	16.1





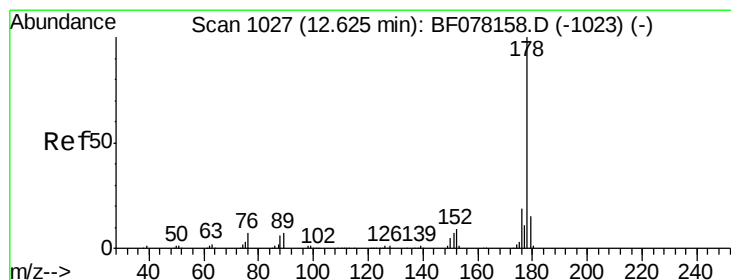
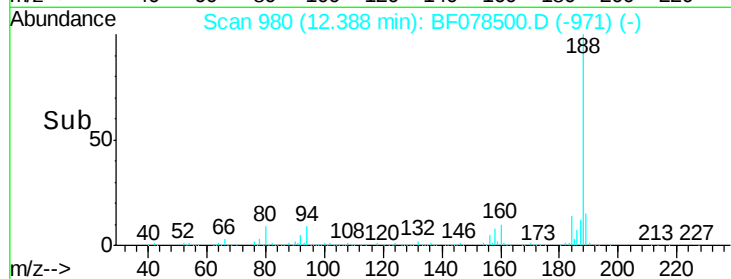
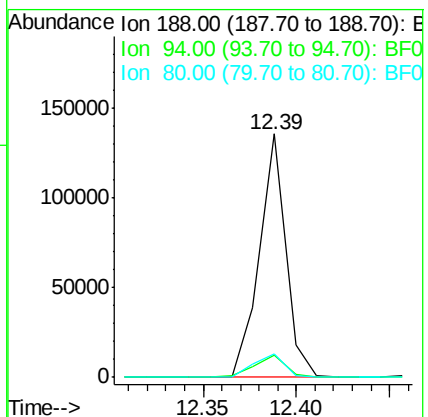
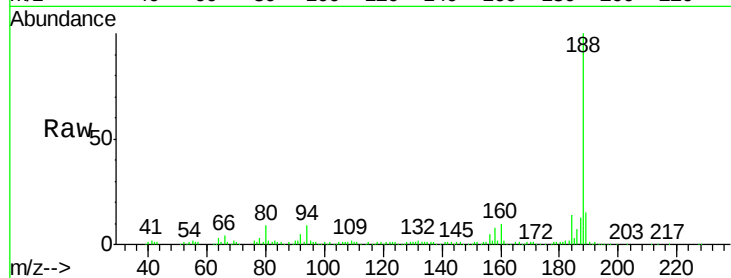
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	9.0	13.4
80	9.5	9.5	14.3

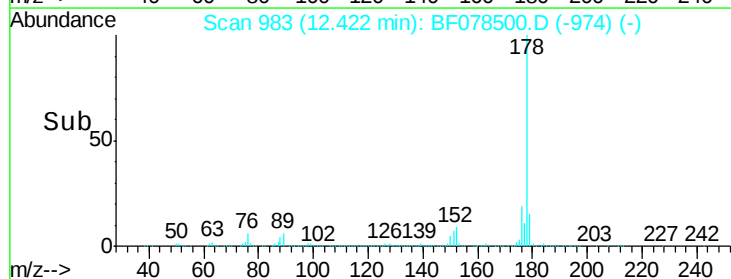
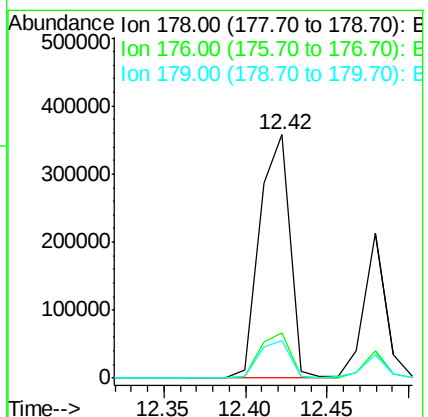
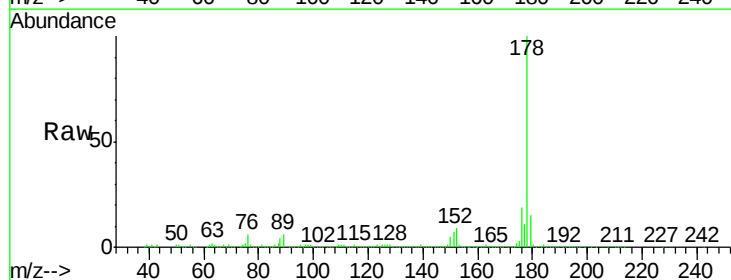
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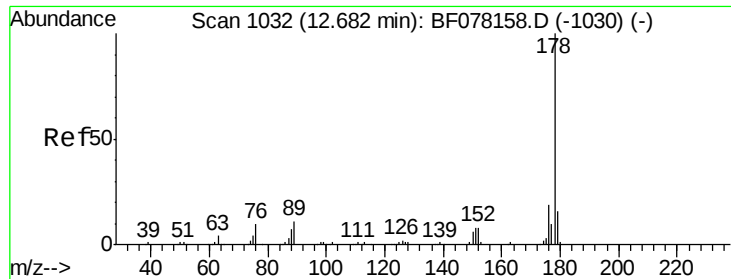
apatel
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#70
Phenanthrene
Concen: 59.61 ng
RT: 12.42 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.4	23.0
179	15.3	12.2	18.2





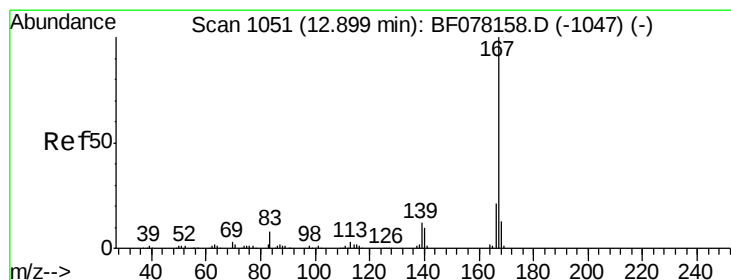
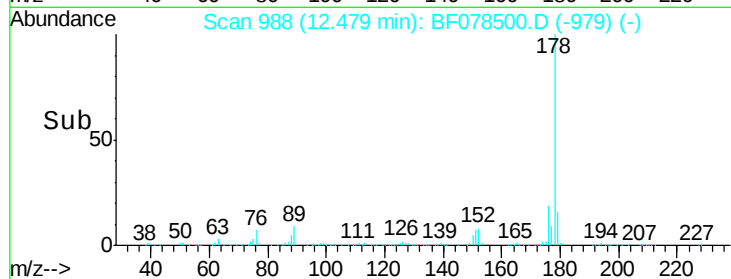
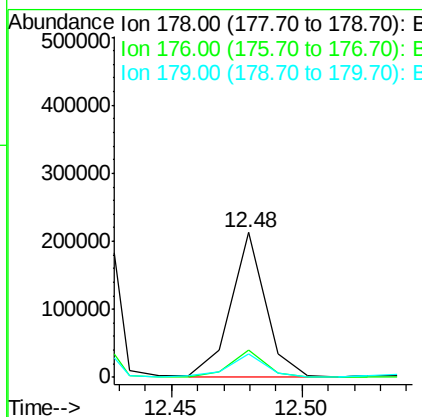
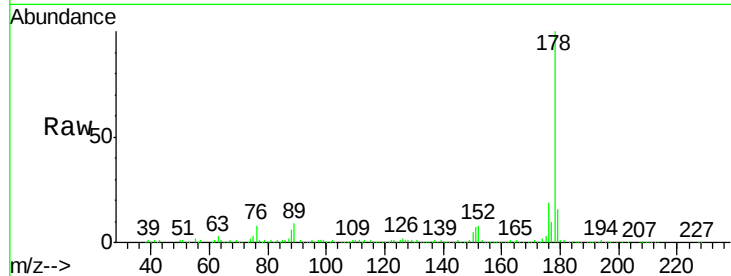
#71
 Anthracene
 Concen: 25.70 ng
 RT: 12.48 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	16.3	12.4	18.6

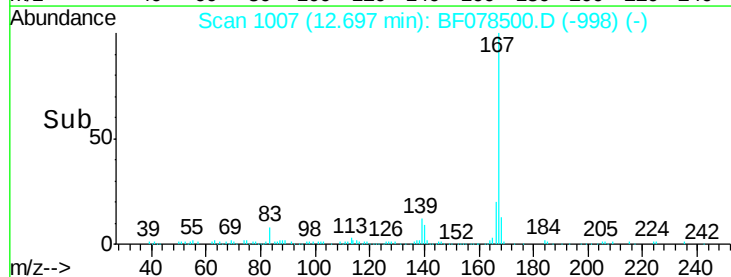
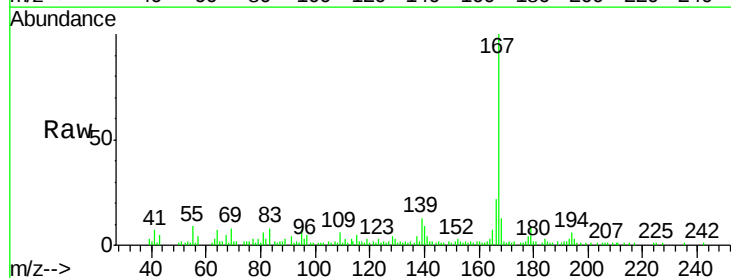
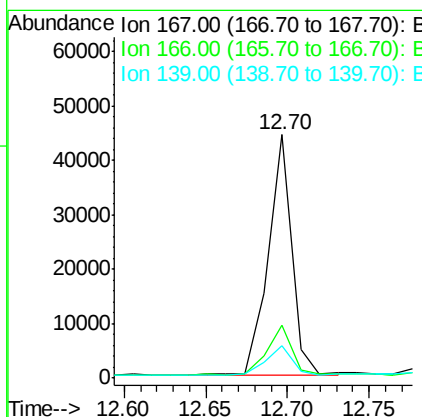
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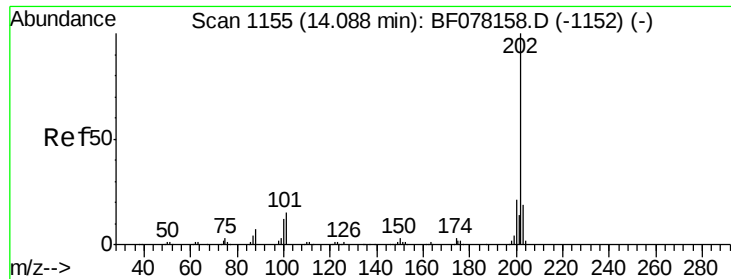
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#72
 Carbazole
 Concen: 6.39 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.8	25.2
139	13.5	10.0	15.0





#74

Fluoranthene

Concen: 62.89 ng

RT: 13.89 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

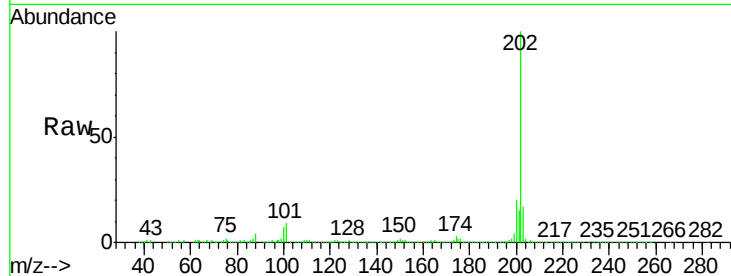
ClientSampleId :

FD-1-20150409

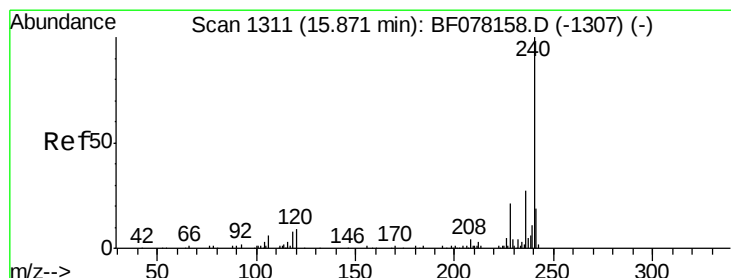
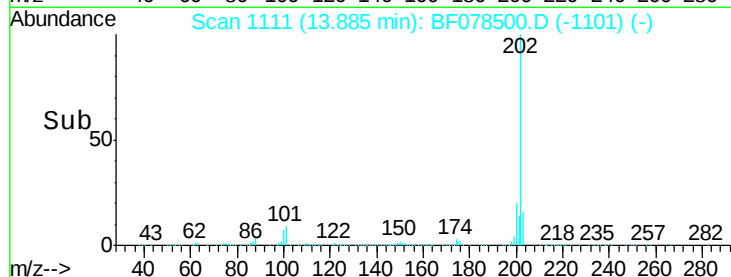
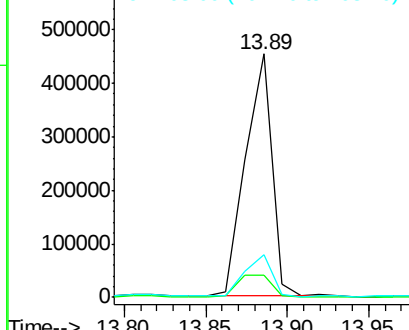
Tgt	Ion	Resp	Lower	Upper
202	100			
101	9.0	0.0	35.2	
203	17.4	0.0	38.5	

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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

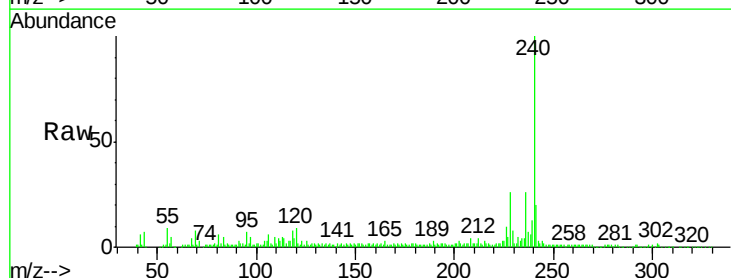
RT: 15.66 min Scan# 1266

Delta R.T. 0.01 min

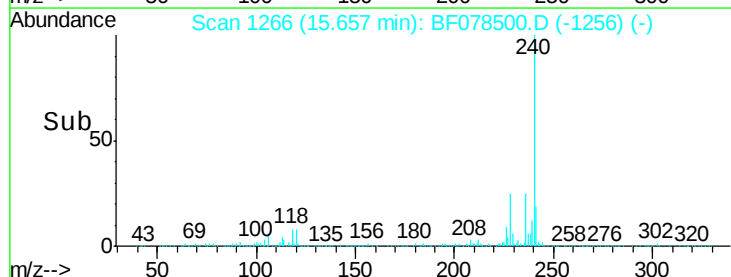
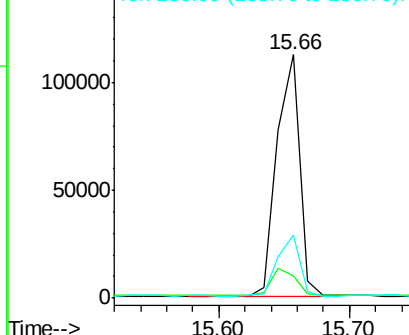
Lab File: BF078500.D

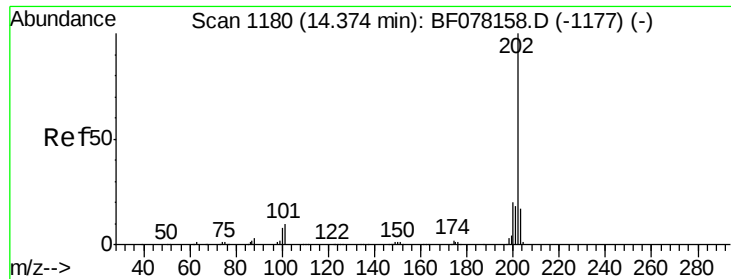
Acq: 14 Apr 2015 12:17

Tgt	Ion	Resp	Lower	Upper
240	100			
120	9.3	7.1	10.7	
236	25.7	21.4	32.2	



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: 83.40 ng

RT: 14.16 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

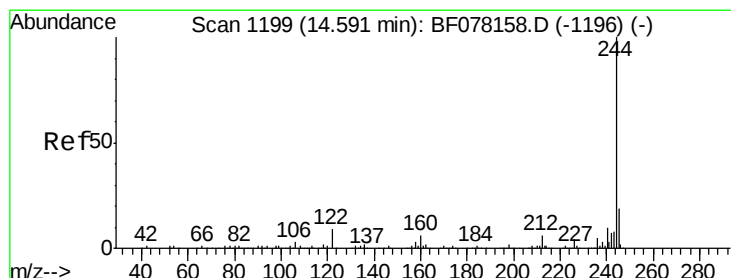
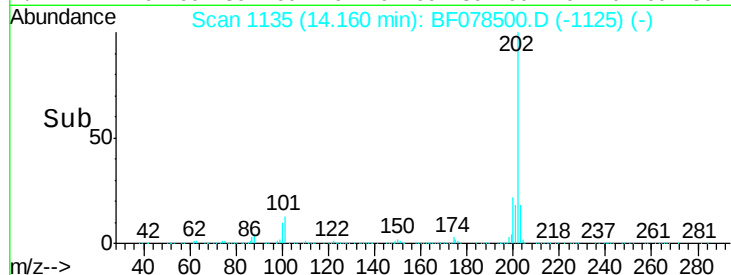
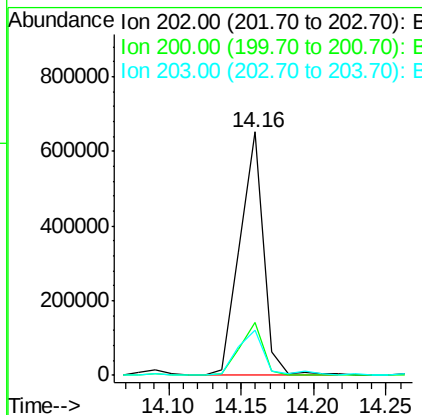
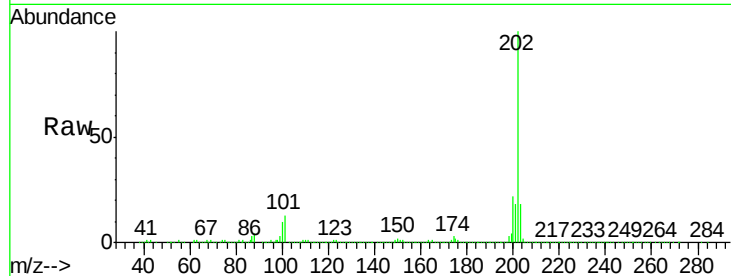
ClientSampleId :

FD-1-20150409

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	728299		
200	21.8	16.3	24.5	
203	18.5	13.8	20.6	

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#78

Terphenyl-d14

Concen: 0.37 ng

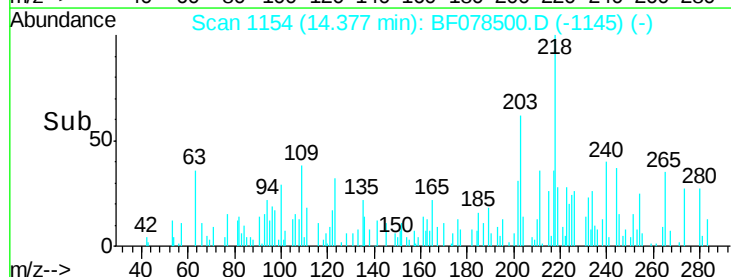
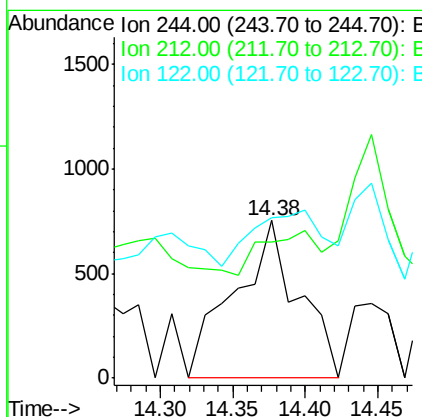
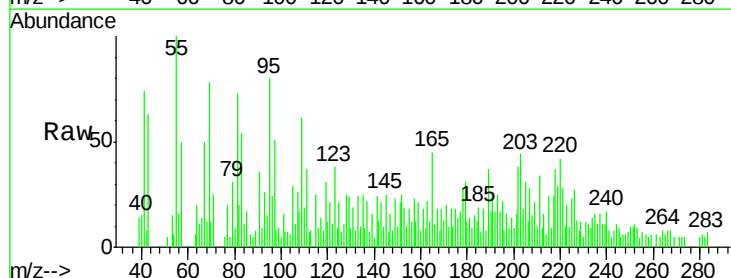
RT: 14.38 min Scan# 1154

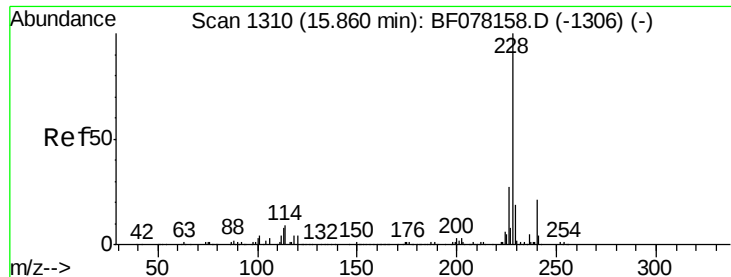
Delta R.T. 0.00 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	2300		
212	86.6	5.0	7.4#	
122	101.9	7.1	10.7#	





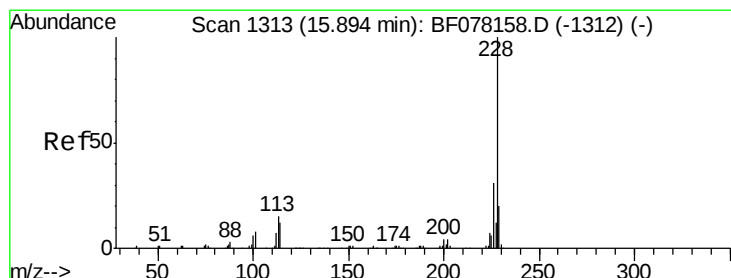
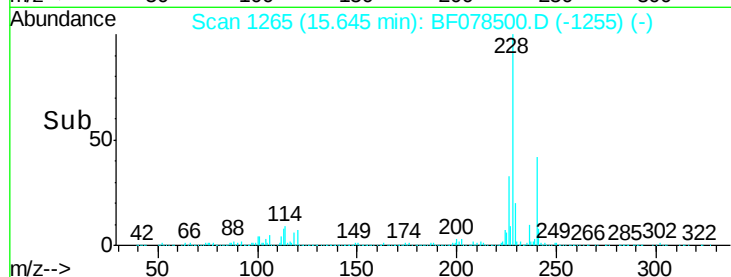
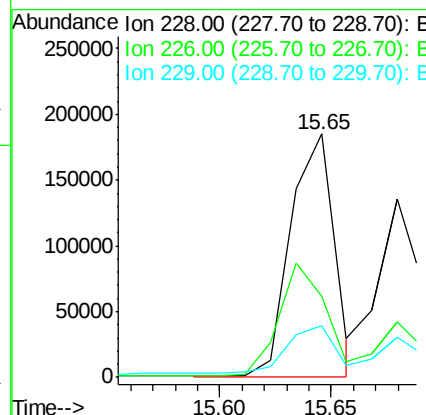
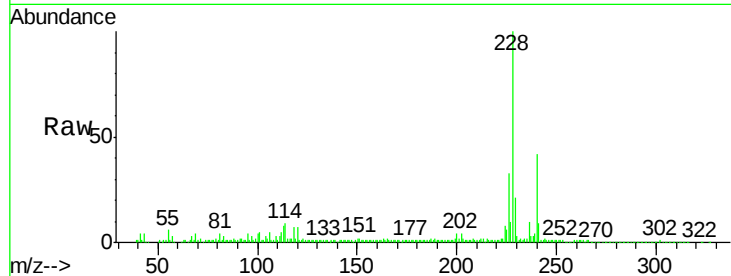
#80
Benzo(a)anthracene
Concen: 30.97 ng m
RT: 15.65 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	256311		
226	33.1	21.3	31.9#	
229	21.1	15.4	23.2	

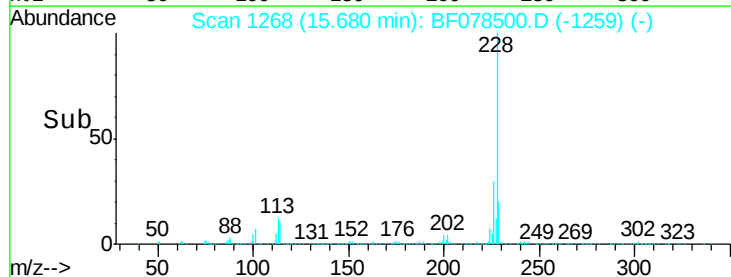
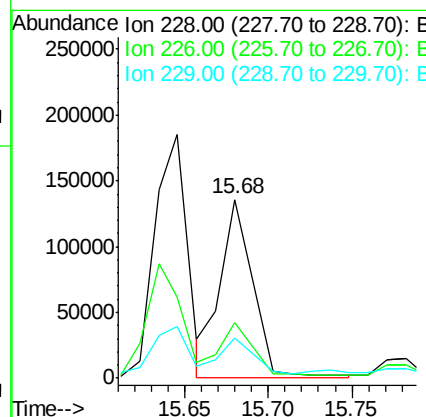
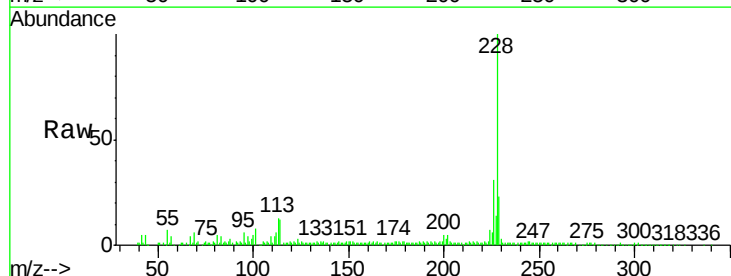
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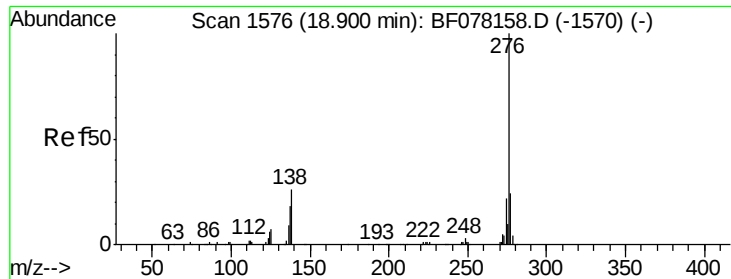
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#82
Chrysene
Concen: 24.10 ng m
RT: 15.68 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	187424		
226	31.0	24.2	36.4	
229	22.6	15.8	23.8	





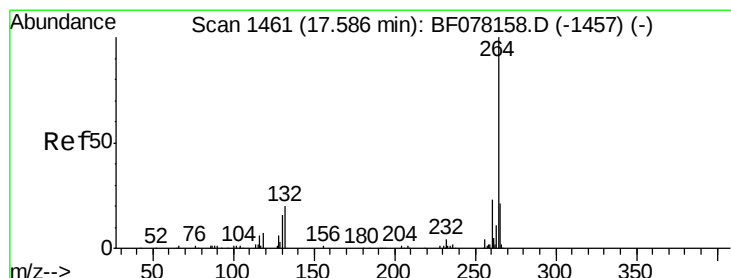
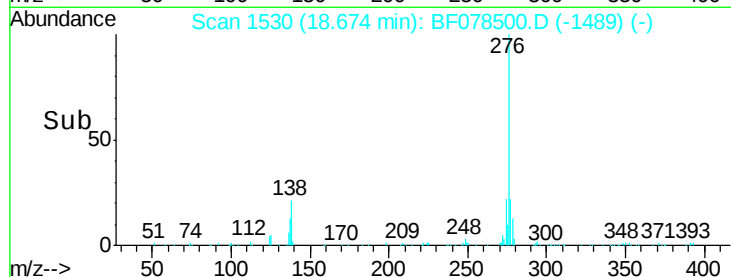
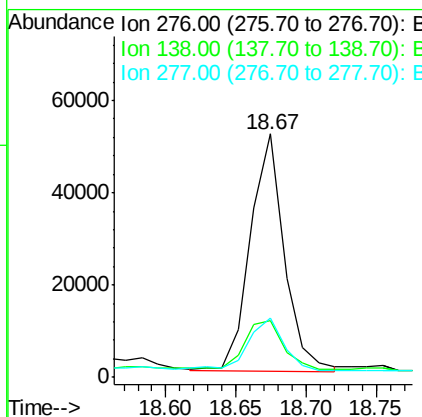
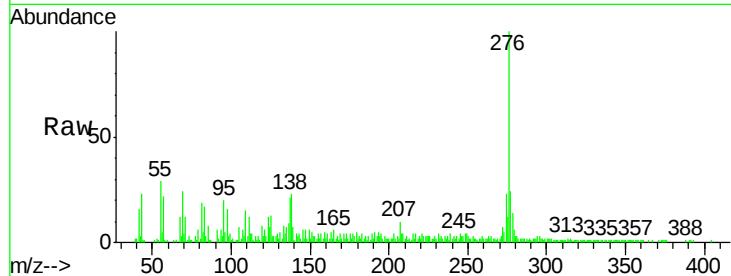
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.74 ng m
 RT: 18.67 min Scan# 1530
 Delta R.T. 0.17 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 FD-1-20150409

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.3	16.9	25.3#
277	7.5	15.8	23.6#

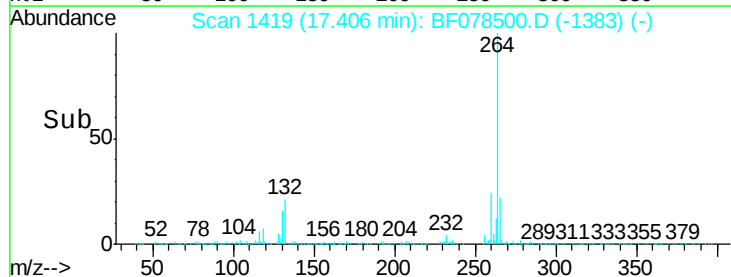
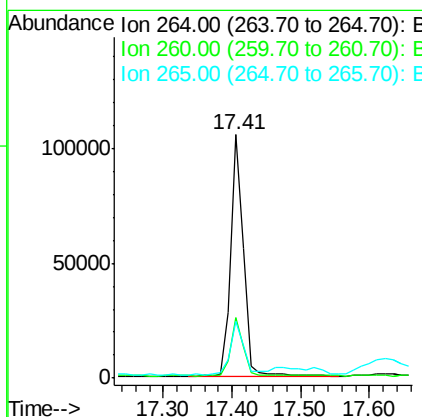
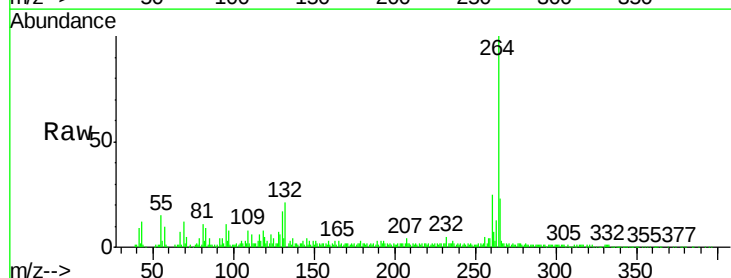
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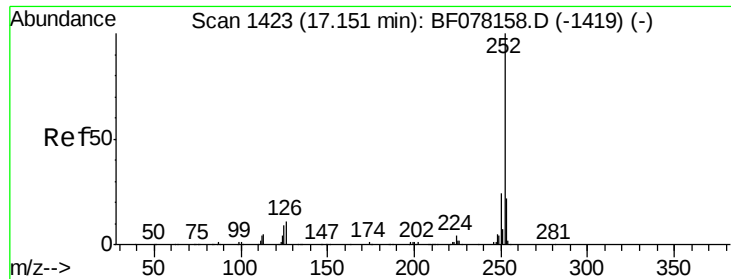
apatel
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.41 min Scan# 1419
 Delta R.T. 0.11 min
 Lab File: BF078500.D
 Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	23.4	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 20.77 ng m

RT: 16.96 min Scan# 1380

Delta R.T. 0.08 min

Lab File: BF078500.D

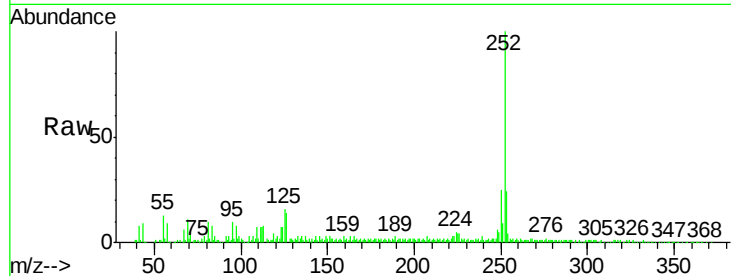
Acq: 14 Apr 2015 12:17

Instrument :

BNA_F

ClientSampleId :

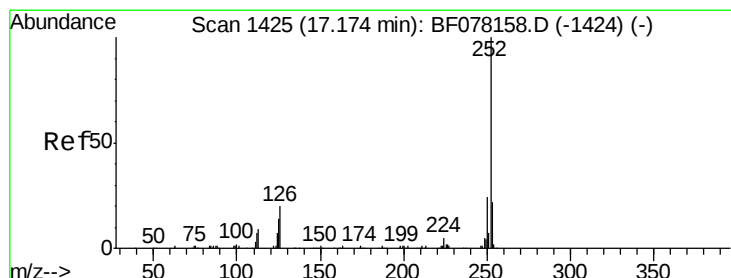
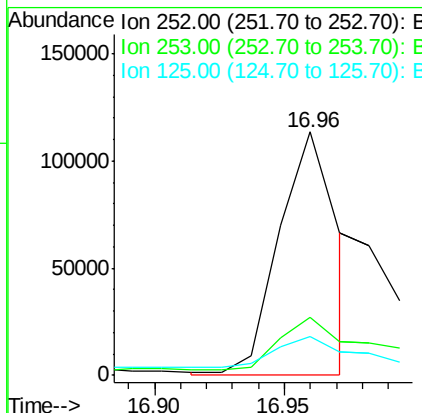
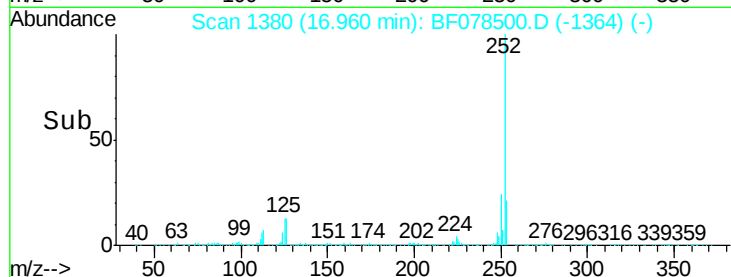
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	16.1	7.0	10.4

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#88

Benzo(k)fluoranthene

Concen: 9.61 ng m

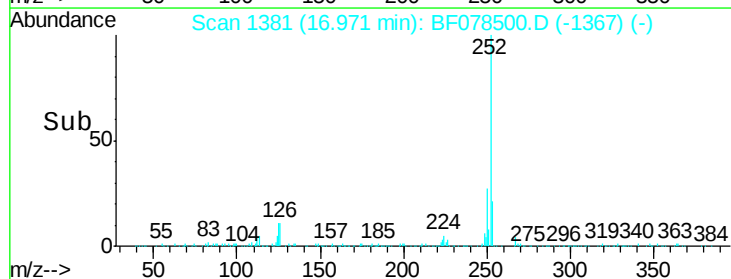
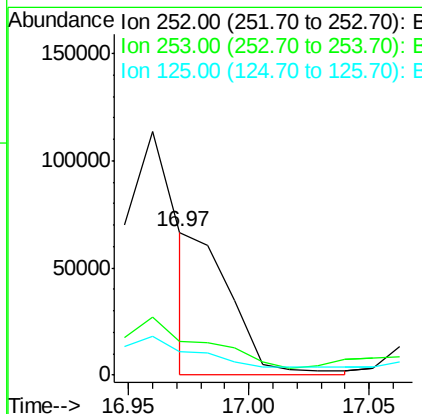
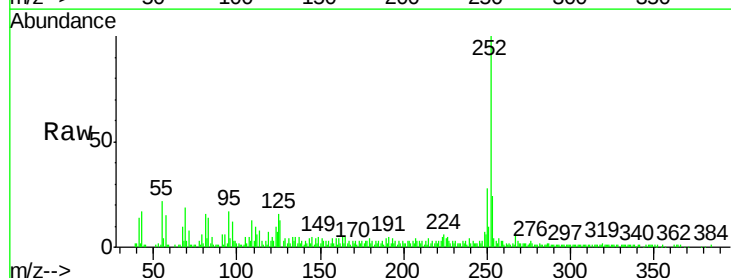
RT: 16.97 min Scan# 1381

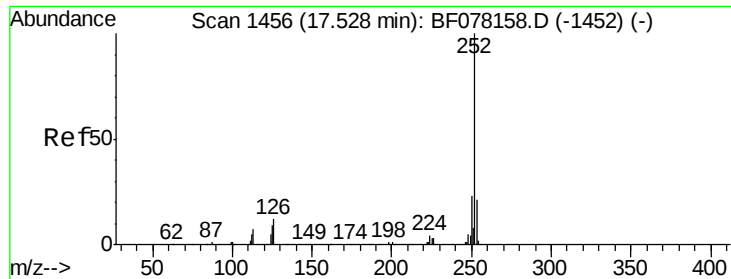
Delta R.T. 0.06 min

Lab File: BF078500.D

Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.4	11.6	17.4





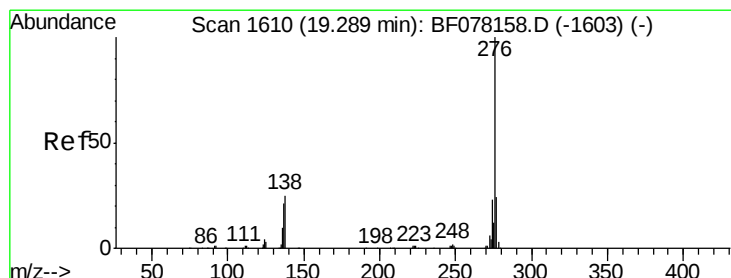
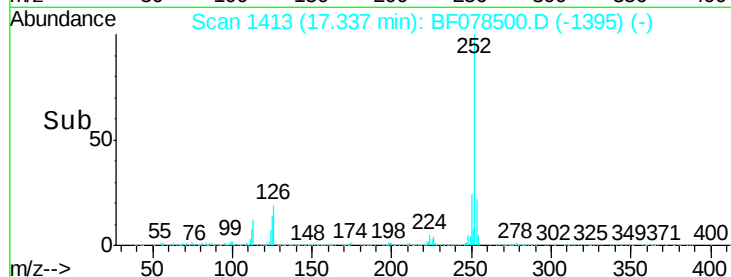
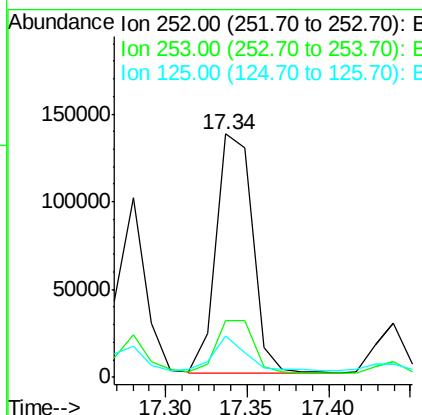
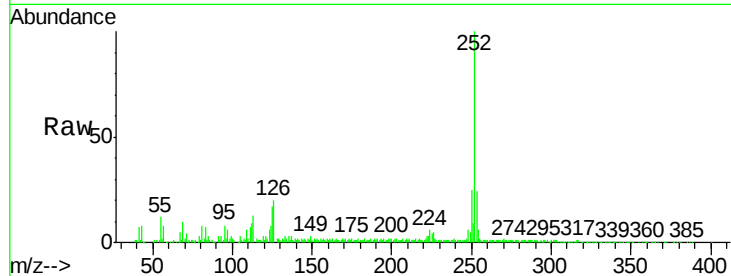
#89
Benzo(a)pyrene
Concen: 27.68 ng
RT: 17.34 min Scan# 1413
Delta R.T. 0.10 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207989		
253	23.5	16.8	25.2	
125	16.7	7.4	11.0	

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#91
Benzo(g,h,i)perylene
Concen: 13.85 ng m
RT: 19.02 min Scan# 1560
Delta R.T. 0.17 min
Lab File: BF078500.D
Acq: 14 Apr 2015 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	104468		
277	24.6	19.0	28.4	
138	27.4	19.9	29.9	

