

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078501.D
 Acq On : 14 Apr 2015 12:46
 Operator : TP/IZ
 Sample : G1850-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Manual Integrations
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Quant Time: Apr 14 12:27:04 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	32785	10.00	ng	0.00
21) Naphthalene-d8	8.41	136	133316	10.00	ng	0.00
38) Acenaphthene-d10	10.56	164	66774	10.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	131690	10.00	ng	0.00
75) Chrysene-d12	15.65	240	139641	10.00	ng	0.00
86) Perylene-d12	17.37	264	143591	10.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	549653	138.21	ng	0.02
7) Phenol-d6	6.43	99	716555	143.77	ng	0.00
23) Nitrobenzene-d5	7.53	82	390972	88.88	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	168973	152.56	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	682234	73.02	ng	0.00
78) Terphenyl-d14	14.38	244	880039	71.20	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.43	128	717423	51.70	ng	99
37) 2-Methylnaphthalene	9.29	142	192345	20.41	ng	98
45) 1,1'-Biphenyl	9.87	154	95411	8.73	ng	98
48) Acenaphthylene	10.39	152	53614	3.86	ng	# 96
49) Dimethylphthalate	10.27	163	31055	3.10	ng	# 96
51) Acenaphthene	10.60	154	209173	26.77	ng	100
57) Fluorene	11.24	166	168404	17.41	ng	98
70) Phenanthrene	12.42	178	833151	54.69	ng	99
71) Anthracene	12.48	178	276440	18.41	ng	99
74) Fluoranthene	13.89	202	357552	22.25	ng	91
77) Pyrene	14.16	202	545284	31.10	ng	99
80) Benzo(a)anthracene	15.63	228	170019m	10.23	ng	
82) Chrysene	15.68	228	124195	7.95	ng	99
85) Indeno(1,2,3-cd)pyrene	18.62	276	47944m	2.71	ng	
87) Benzo(b)fluoranthene	16.94	252	103635m	5.84	ng	
88) Benzo(k)fluoranthene	16.96	252	39882m	2.53	ng	
89) Benzo(a)pyrene	17.31	252	133283	8.60	ng	97
91) Benzo(g,h,i)perylene	18.97	276	59233m	3.81	ng	

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

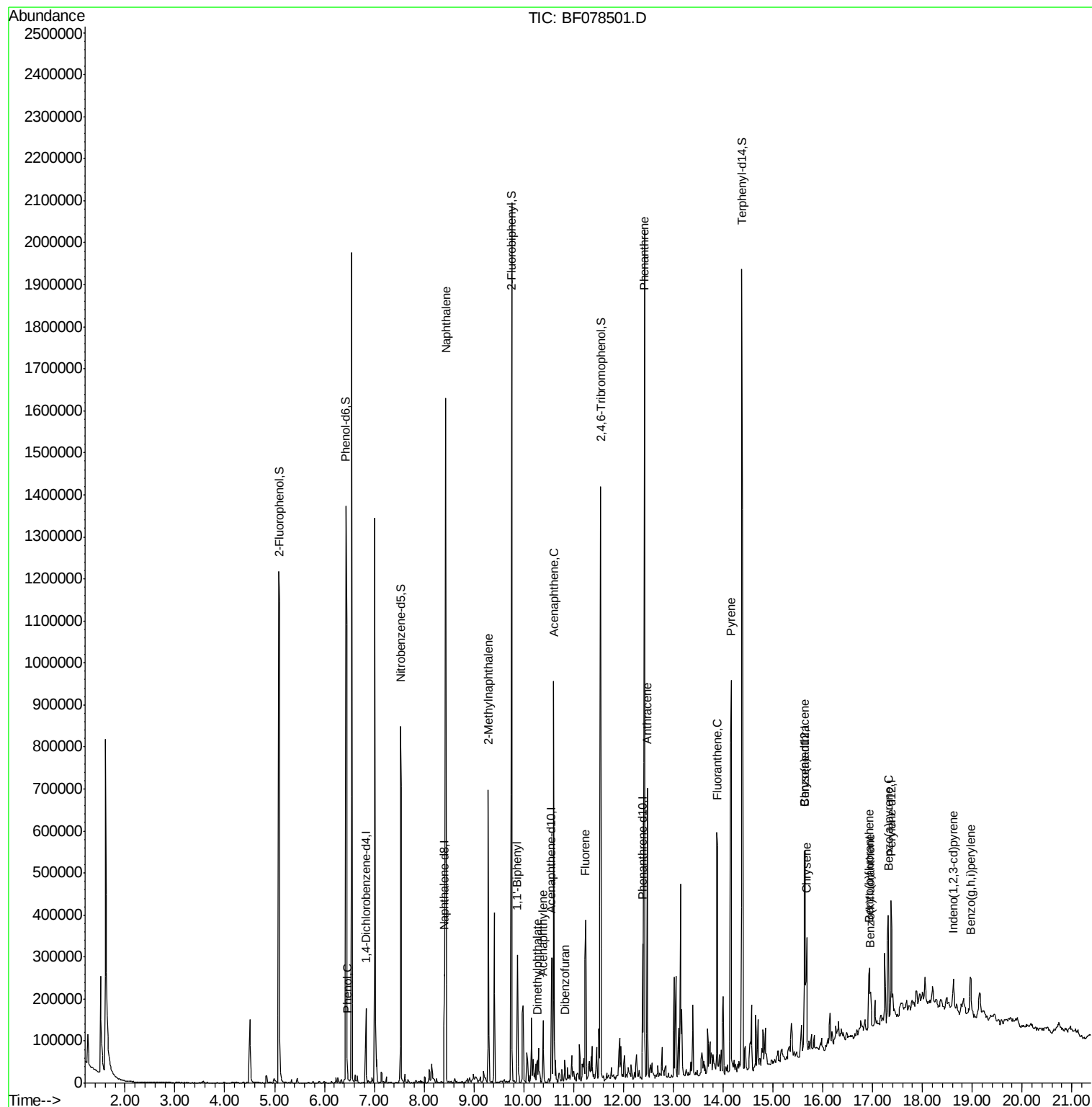
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
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ALS Vial : 40 Sample Multiplier: 0.5

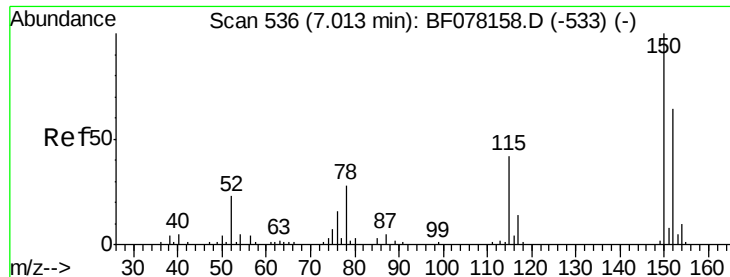
Instrument :
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ClientSampleId :
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Quant Time: Apr 14 12:27:04 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 10.00 ng

RT: 6.83 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF078501.D

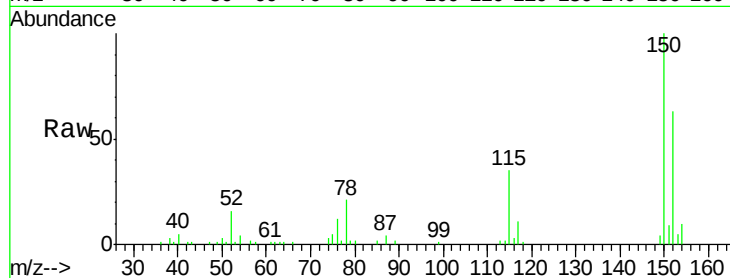
Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

ClientSampleId :

SB-10DA



Tgt Ion:152 Resp: 32785

Ion Ratio Lower Upper

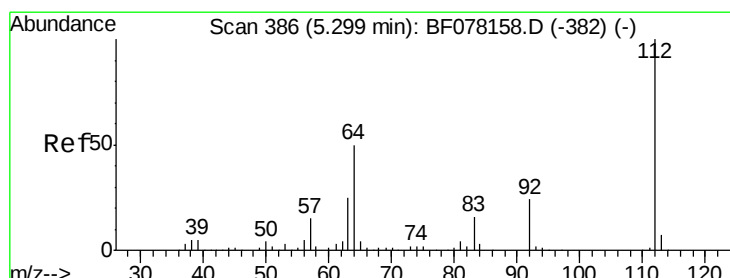
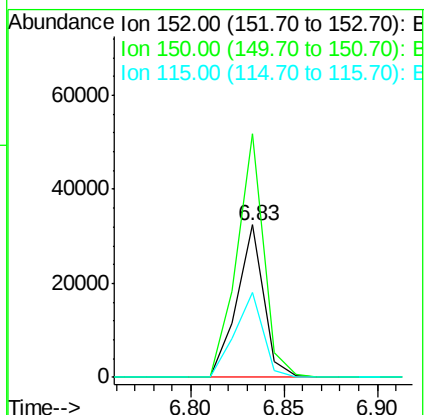
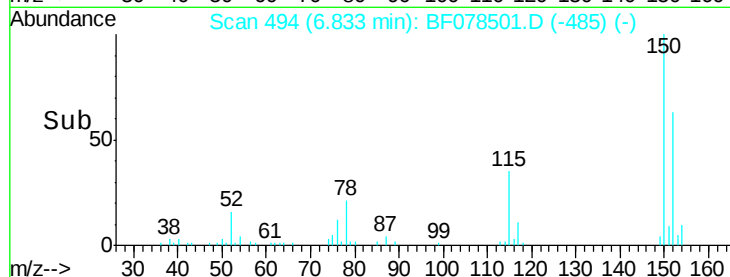
152 100

150 159.5 125.9 188.9

115 55.9 52.7 79.1

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#5

2-Fluorophenol

Concen: 138.21 ng

RT: 5.10 min Scan# 342

Delta R.T. 0.02 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

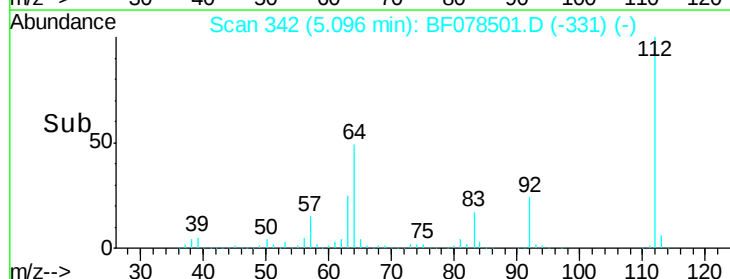
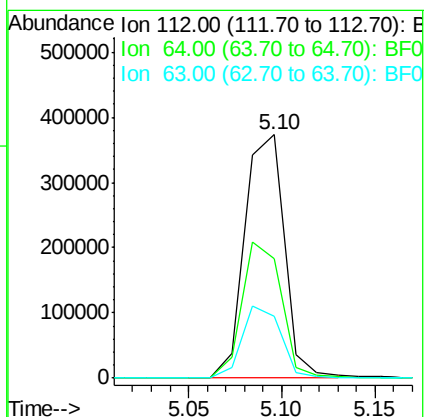
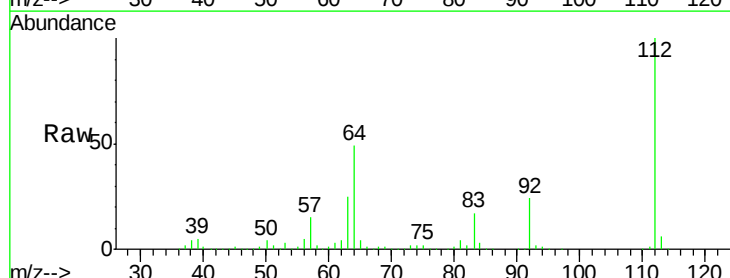
Tgt Ion:112 Resp: 549653

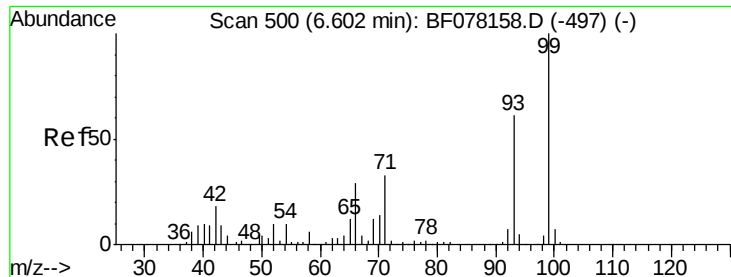
Ion Ratio Lower Upper

112 100

64 49.0 39.9 59.9

63 25.5 20.2 30.4





#7

Phenol-d6

Concen: 143.77 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

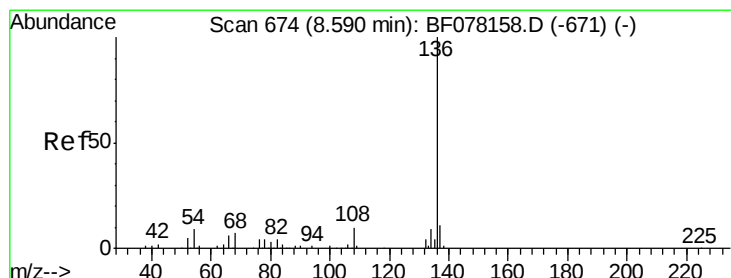
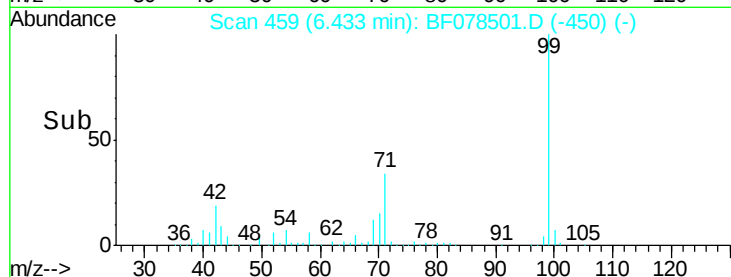
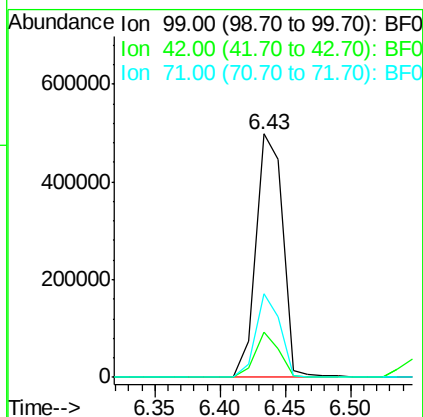
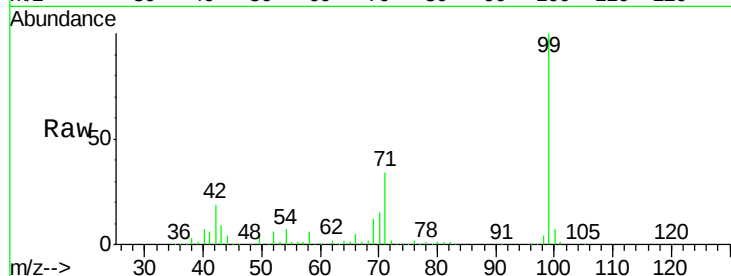
ClientSampleId :

SB-10DA

Tgt Ion:	99	Resp:	716555
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.8	22.2
71	34.2	26.6	39.8

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#21

Naphthalene-d8

Concen: 10.00 ng

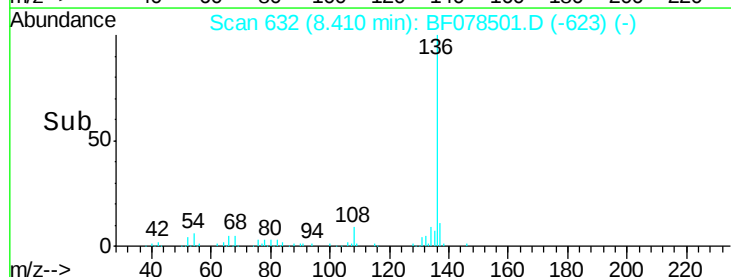
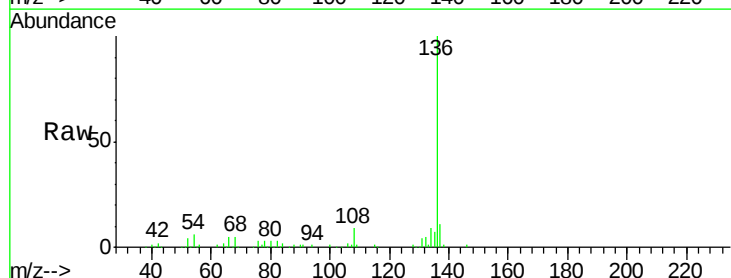
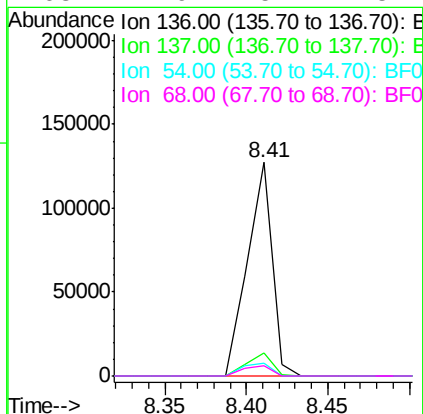
RT: 8.41 min Scan# 632

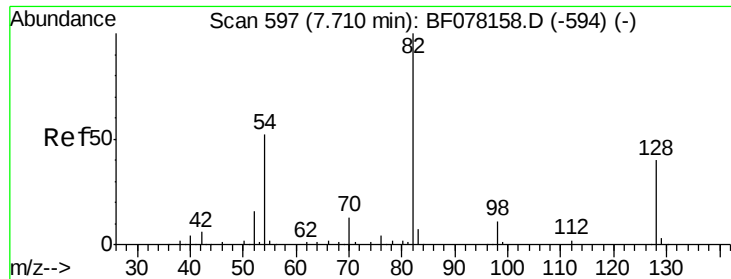
Delta R.T. 0.00 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Tgt Ion:	136	Resp:	133316
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.2	7.0	10.6#
68	4.9	5.4	8.2#





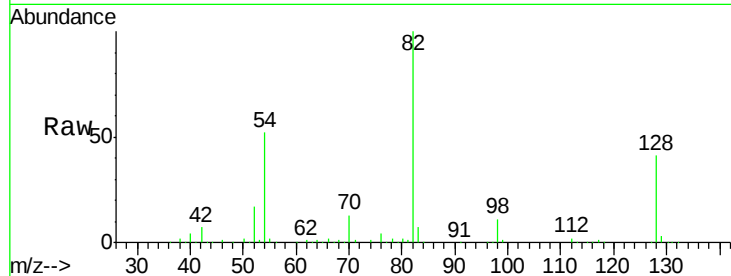
#23
Nitrobenzene-d5
Concen: 88.88 ng
RT: 7.53 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

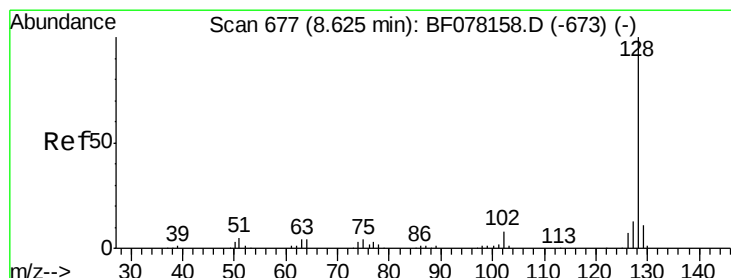
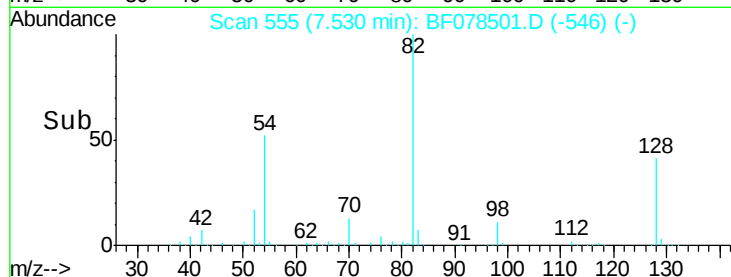
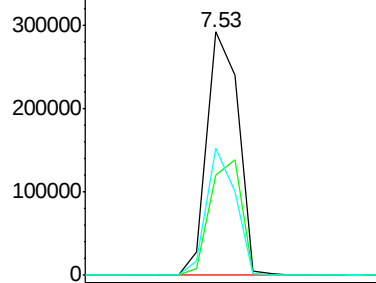
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	390972		
128	41.0		31.8	47.8
54	52.3		41.5	62.3

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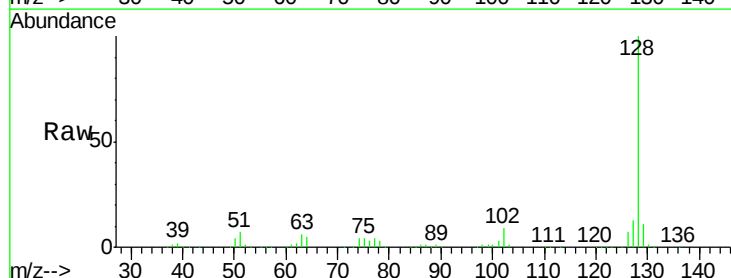


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

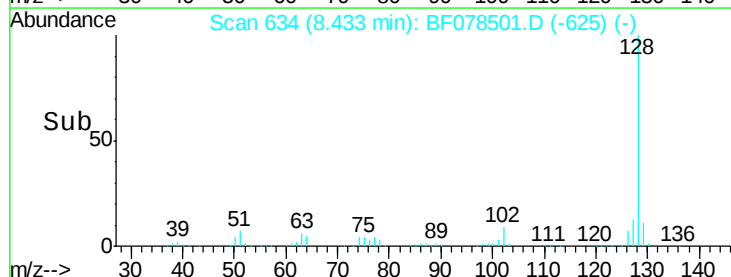
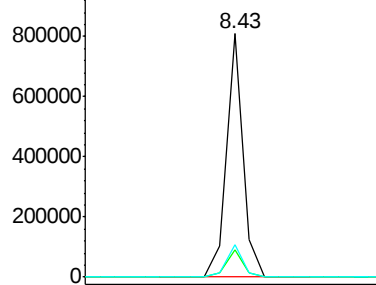


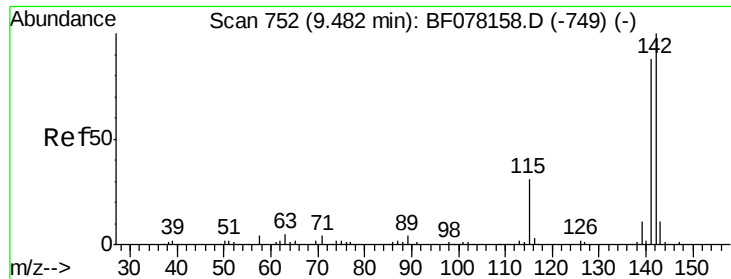
#31
Naphthalene
Concen: 51.70 ng
RT: 8.43 min Scan# 634
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	717423		
129	11.3		8.6	12.8
127	13.2		10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





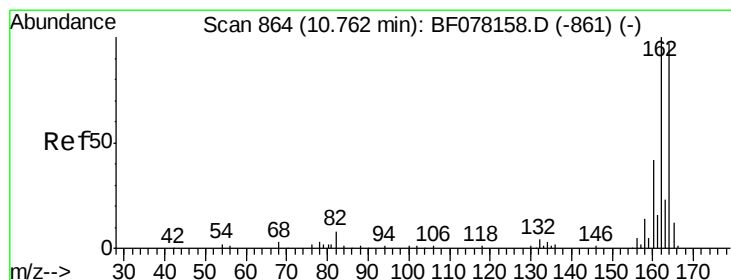
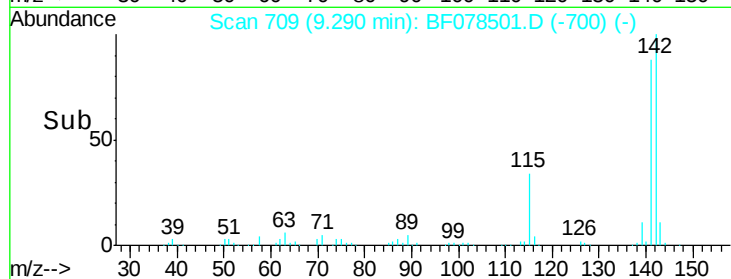
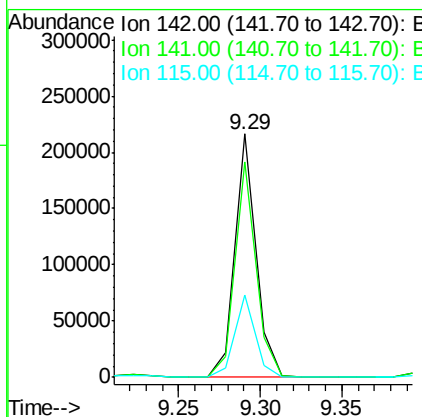
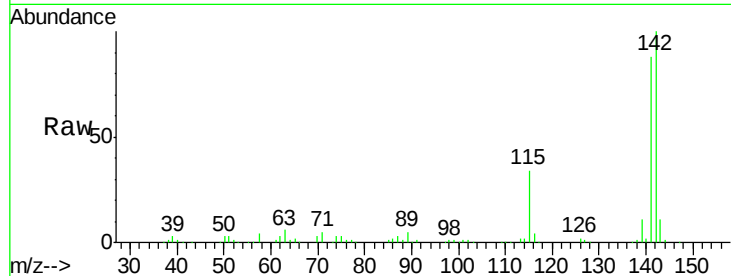
#37
 2-Methylnaphthalene
 Concen: 20.41 ng
 RT: 9.29 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

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 ClientSampleId :
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Tgt Ion:	142	Resp:	192345
Ion Ratio	Lower	Upper	
142	100		
141	88.3	70.3	105.5
115	34.0	24.6	37.0

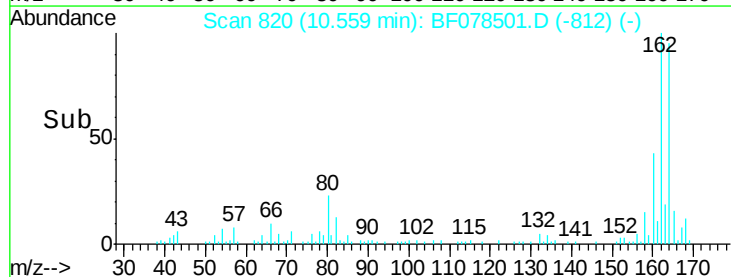
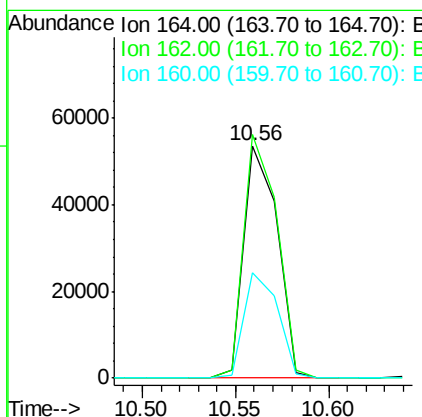
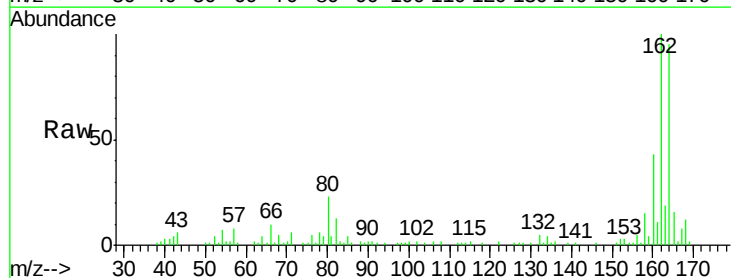
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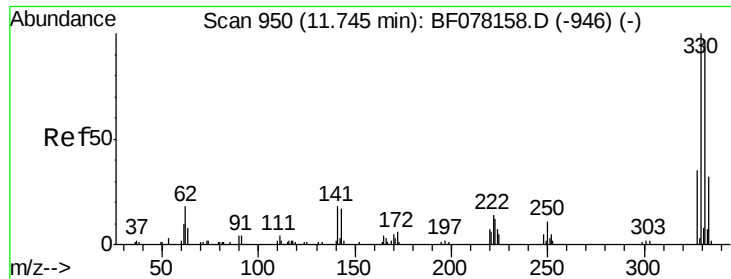
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#38
 Acenaphthene-d10
 Concen: 10.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion:	164	Resp:	66774
Ion Ratio	Lower	Upper	
164	100		
162	104.7	82.2	123.2
160	45.2	34.7	52.1





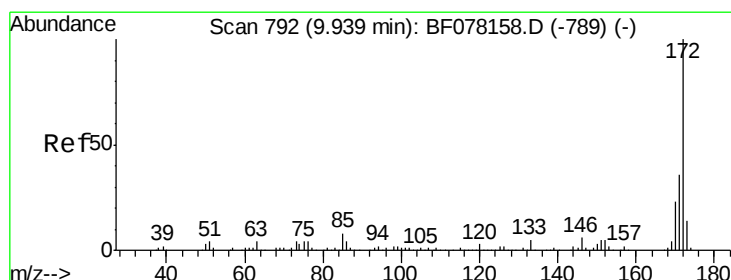
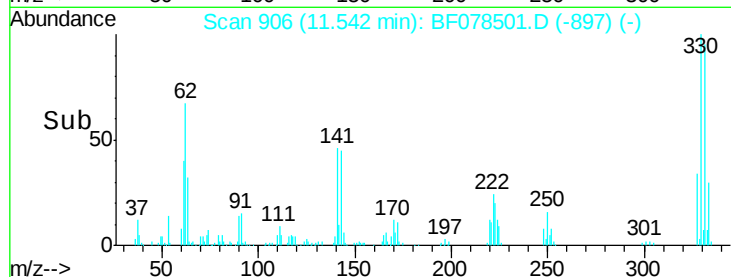
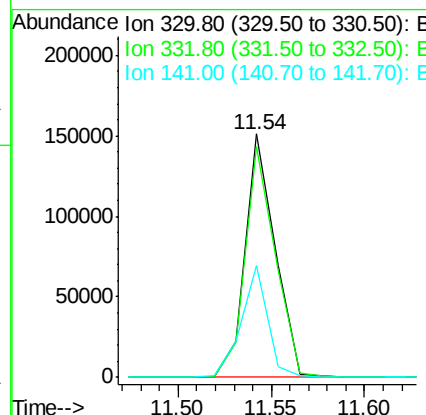
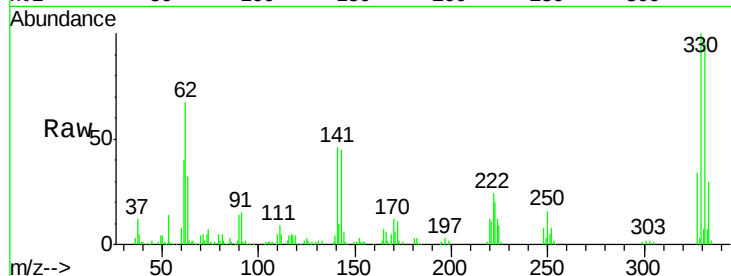
#41
 2,4,6-Tribromophenol
 Concen: 152.56 ng
 RT: 11.54 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

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 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	168973		
332	95.6	78.6	117.8	
141	41.3	31.2	46.8	

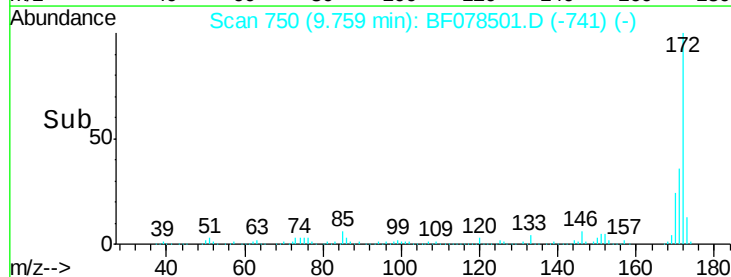
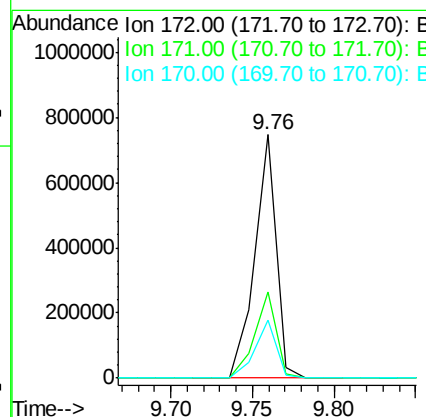
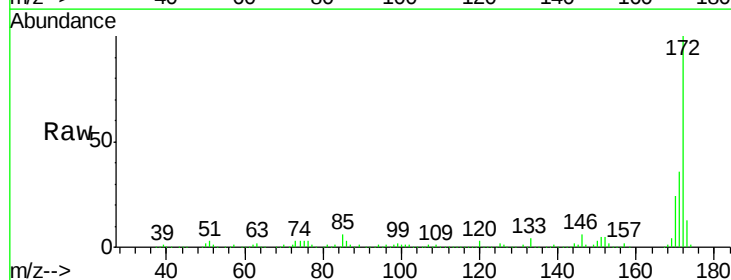
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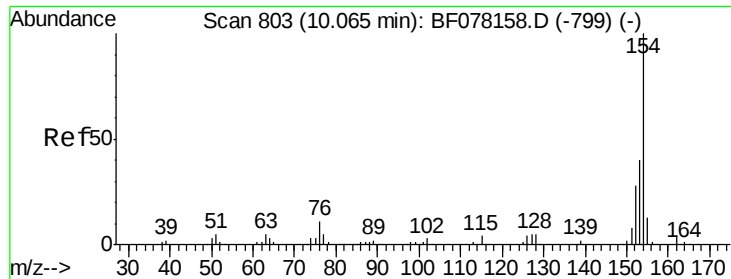
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#44
 2-Fluorobiphenyl
 Concen: 73.02 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	682234		
171	35.6	28.6	42.8	
170	23.6	18.5	27.7	





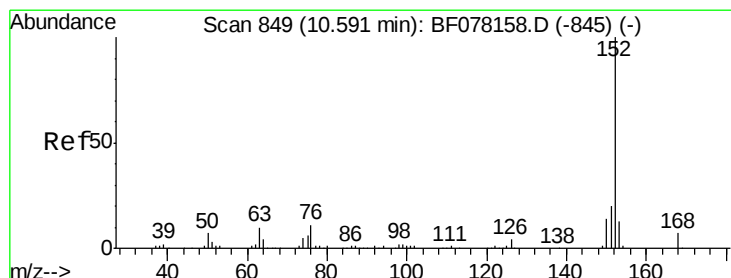
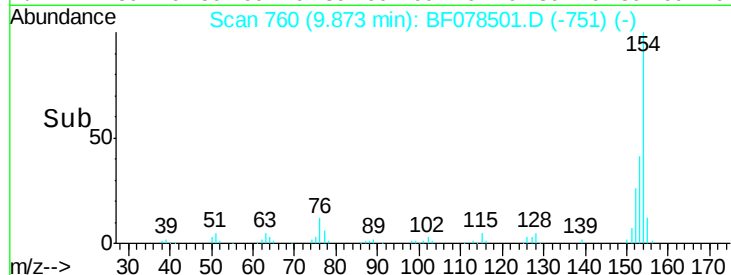
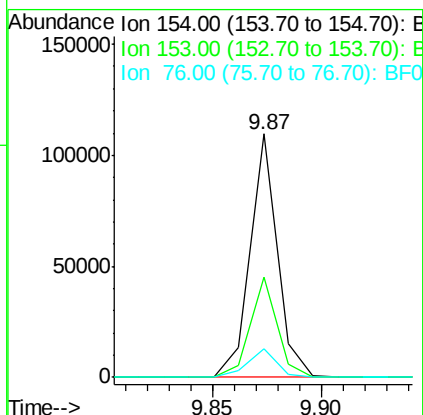
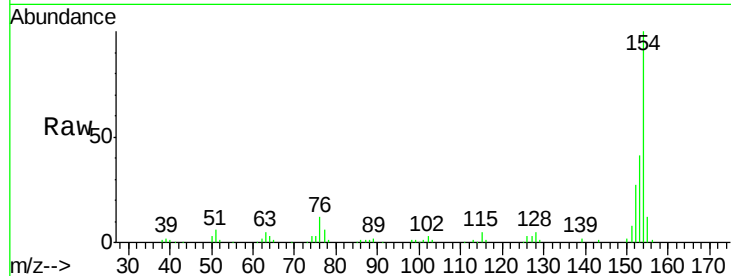
#45
 1,1'-Biphenyl
 Concen: 8.73 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampled :
 SB-10DA

Tgt Ion:	154	Resp:	95411
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.0	60.0
76	12.0	0.0	30.6

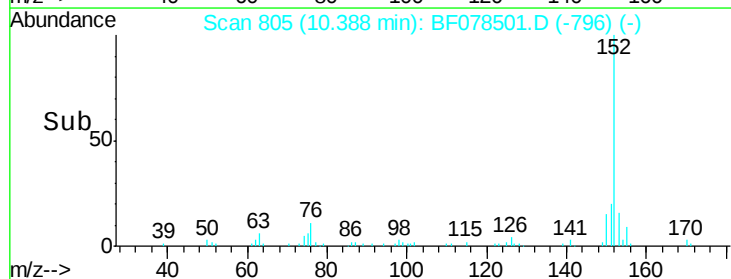
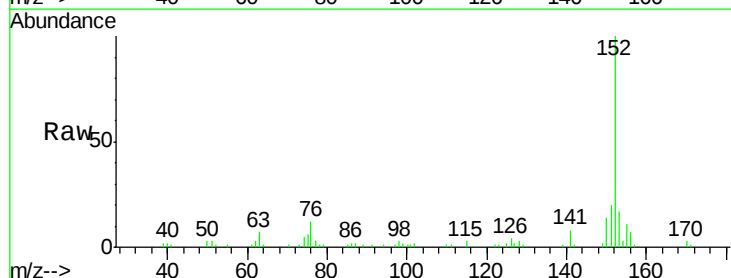
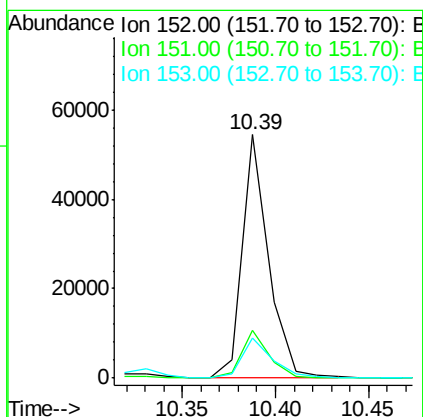
Manual Integrations
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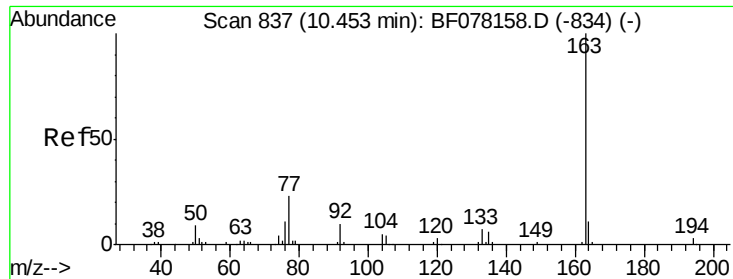
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#48
 Acenaphthylene
 Concen: 3.86 ng
 RT: 10.39 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion:	152	Resp:	53614
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	16.6	10.2	15.2#





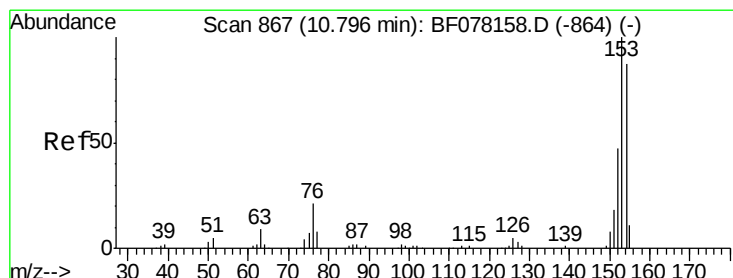
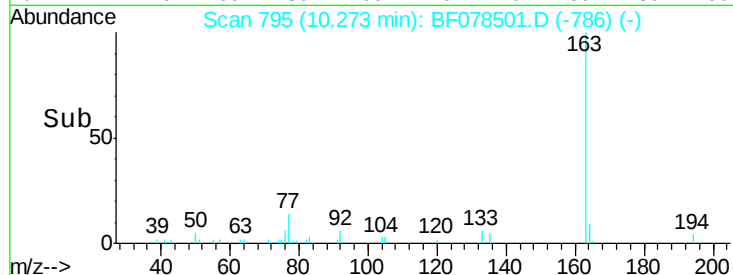
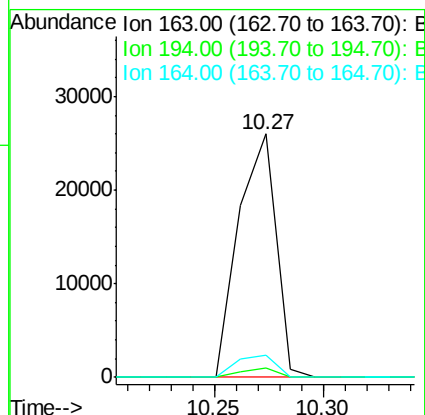
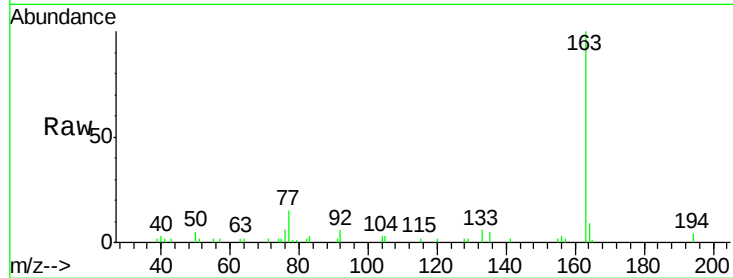
#49
Dimethylphthalate
Concen: 3.10 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.3	3.5#
164	9.0	8.6	13.0

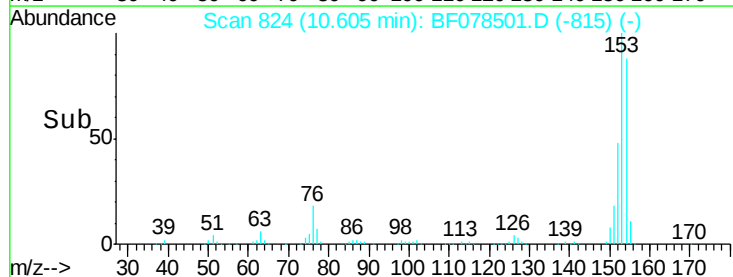
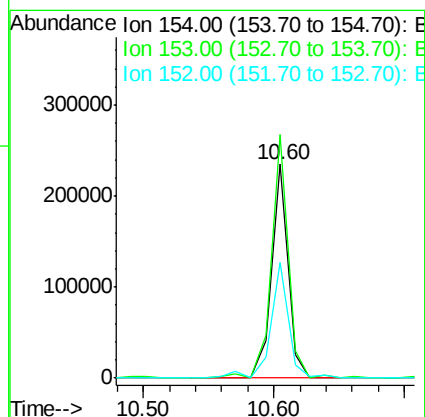
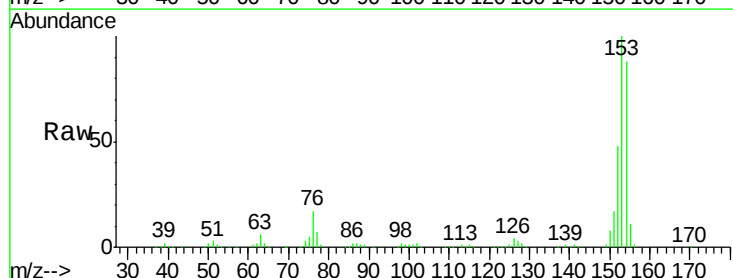
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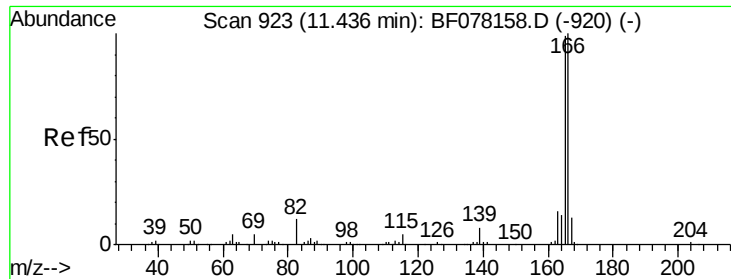
apatel
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#51
Acenaphthene
Concen: 26.77 ng
RT: 10.60 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.9	91.4	137.2
152	54.3	43.0	64.6





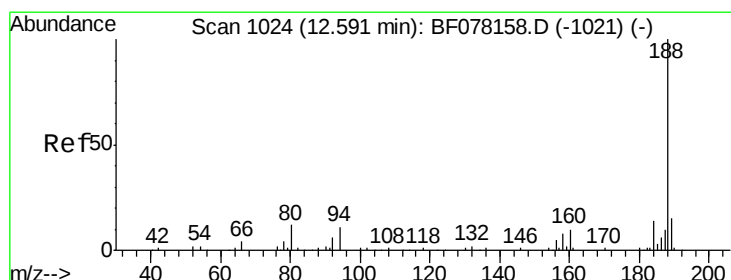
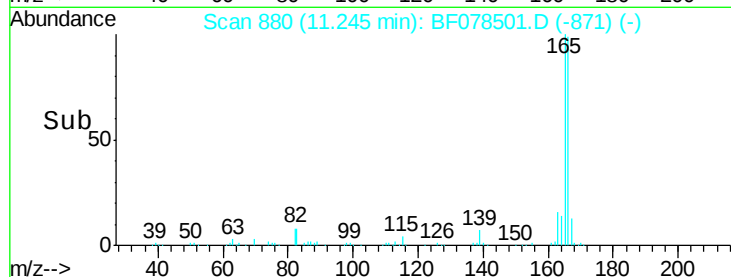
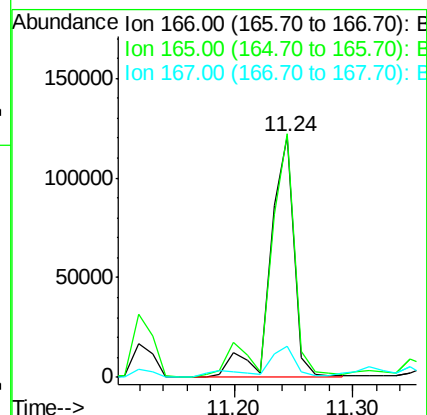
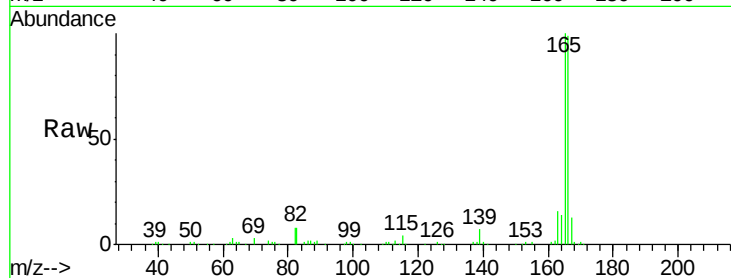
#57
Fluorene
 Concen: 17.41 ng
 RT: 11.24 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	168404		
165	101.0	78.9	118.3	
167	13.2	10.7	16.1	

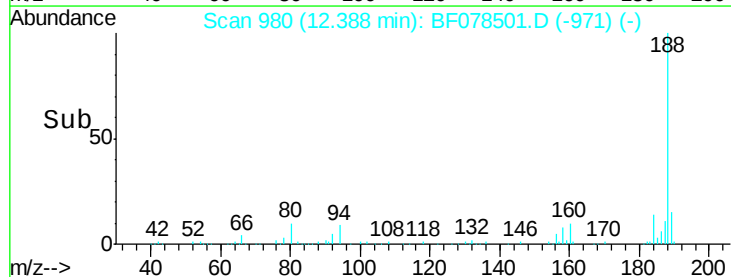
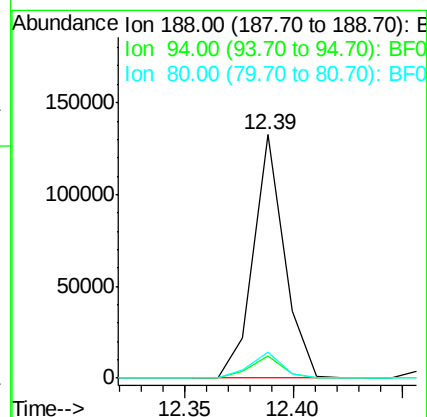
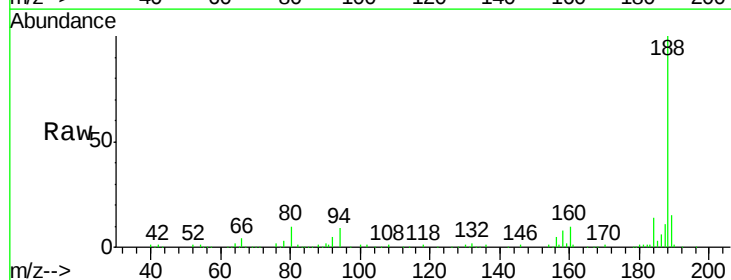
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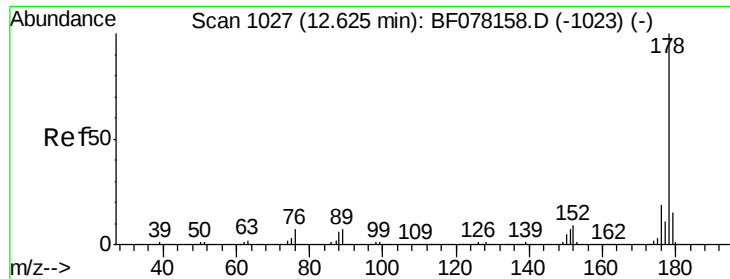
apatel
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#63
Phenanthrene-d10
 Concen: 10.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	131690		
94	8.9	9.0	13.4#	
80	10.4	9.5	14.3	





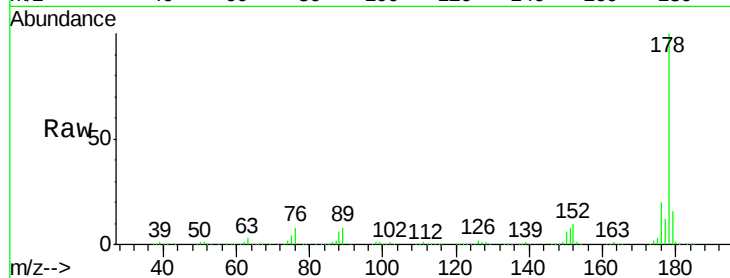
#70
Phenanthrene
Concen: 54.69 ng
RT: 12.42 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampled :
SB-10DA

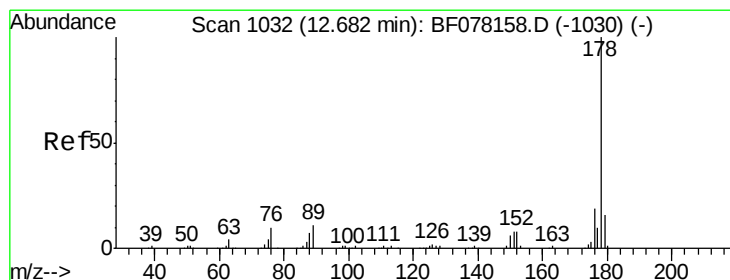
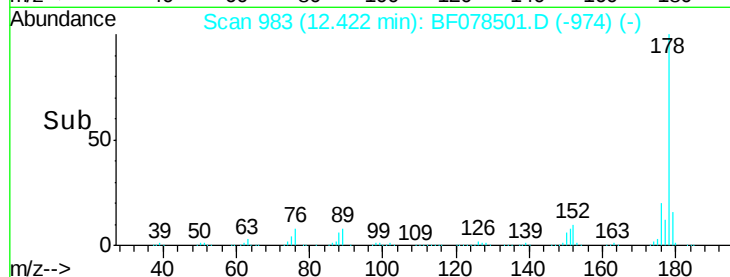
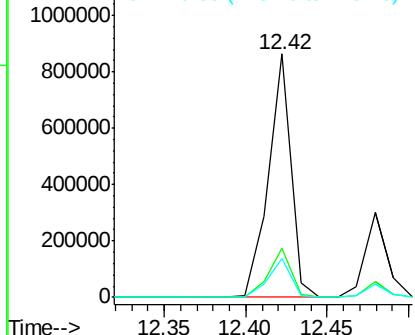
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	833151		
176	19.9	15.4	23.0	
179	15.8	12.2	18.2	

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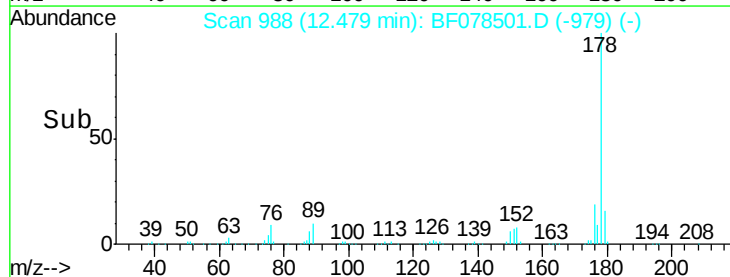
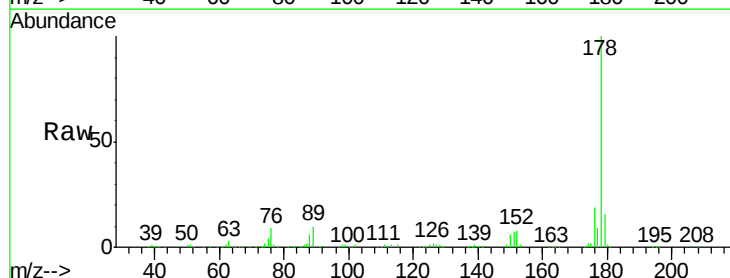
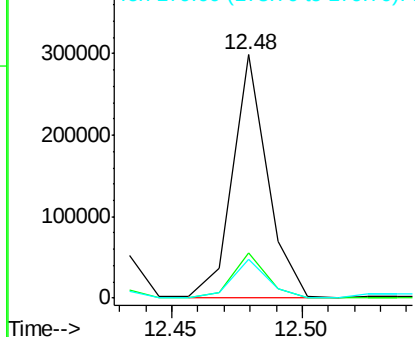
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

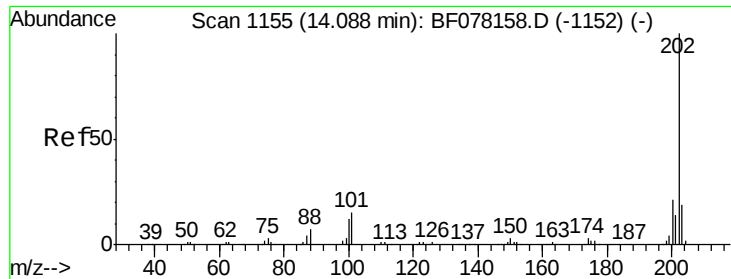


#71
Anthracene
Concen: 18.41 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	276440		
176	18.6	14.8	22.2	
179	16.0	12.4	18.6	

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





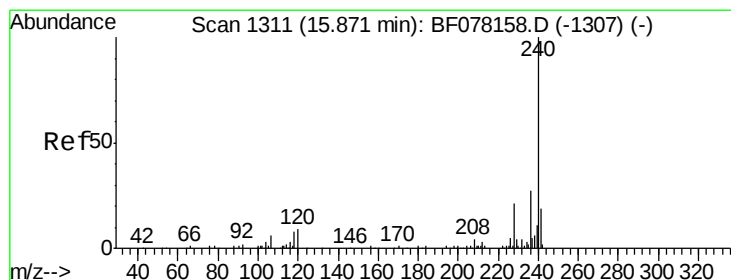
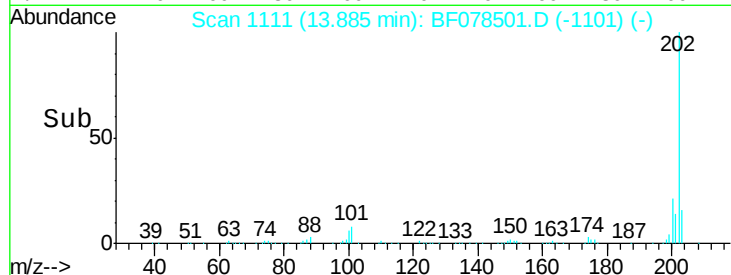
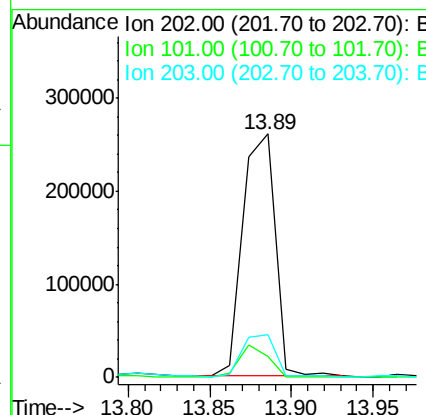
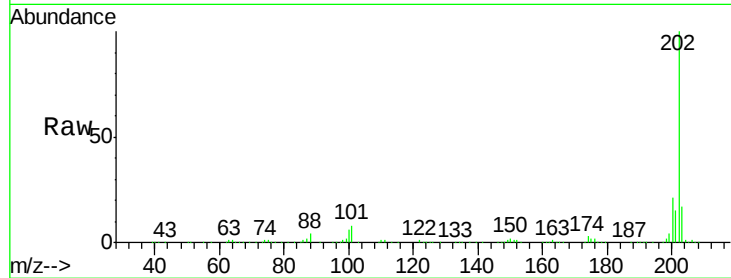
#74
 Fluoranthene
 Concen: 22.25 ng
 RT: 13.89 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.4	0.0	35.2
203	17.3	0.0	38.5

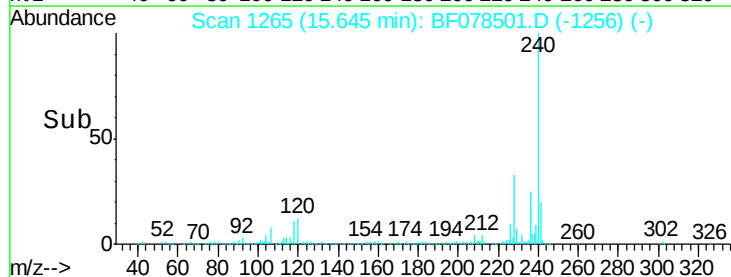
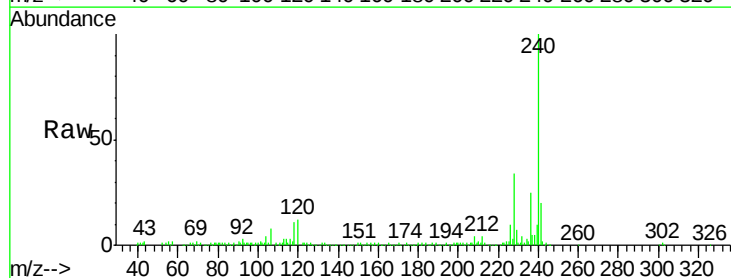
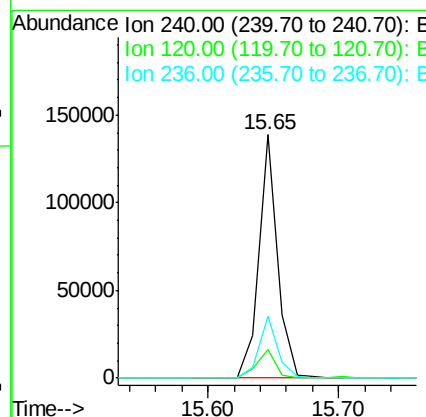
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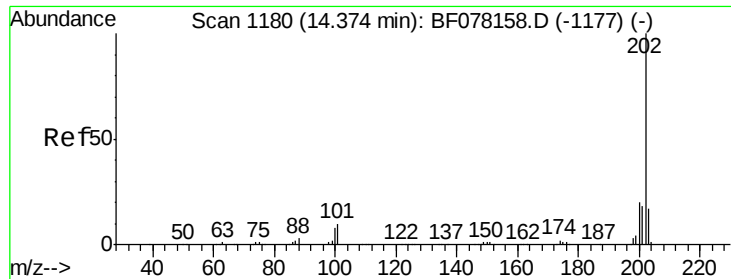
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#75
 Chrysene-d12
 Concen: 10.00 ng
 RT: 15.65 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.9	7.1	10.7#
236	25.4	21.4	32.2





#77

Pyrene

Concen: 31.10 ng

RT: 14.16 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

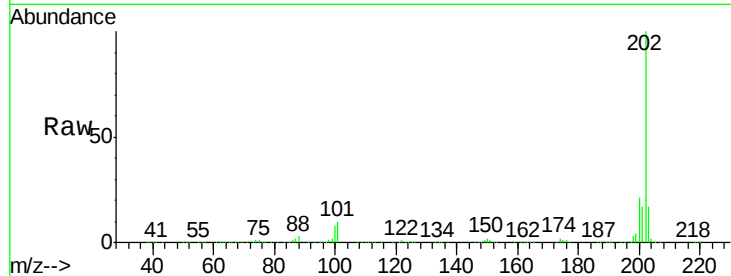
ClientSampleId :

SB-10DA

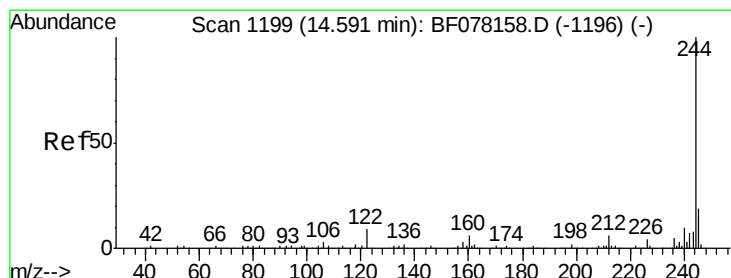
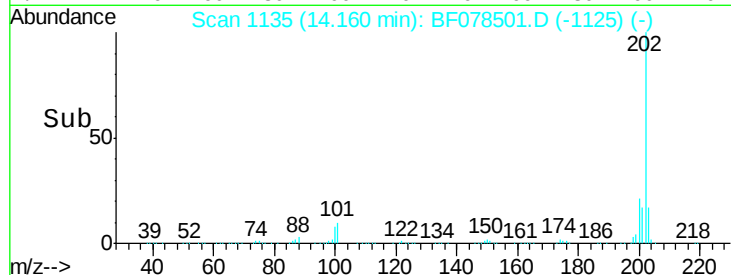
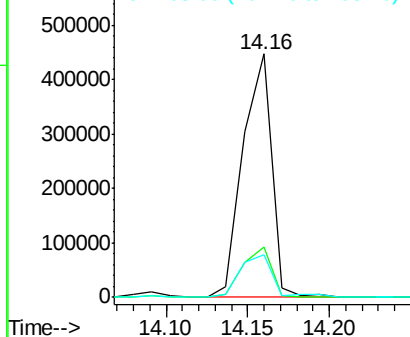
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		545284		
200	20.9	16.3	24.5		
203	17.4	13.8	20.6		

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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: 71.20 ng

RT: 14.38 min Scan# 1154

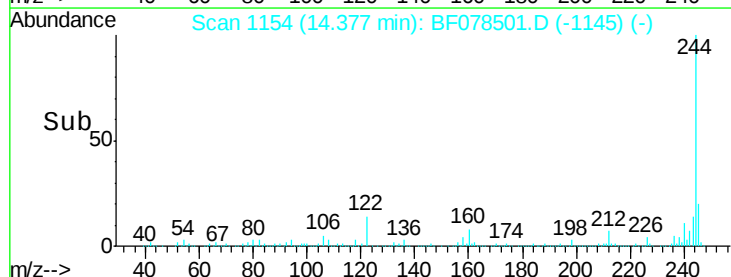
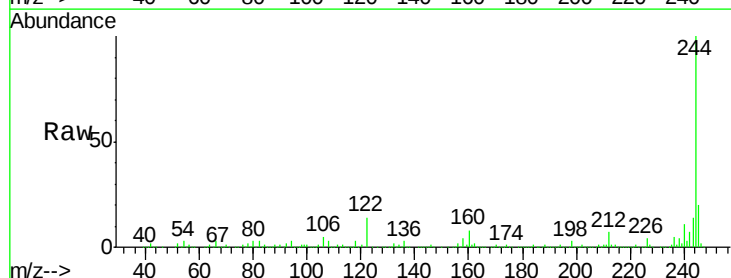
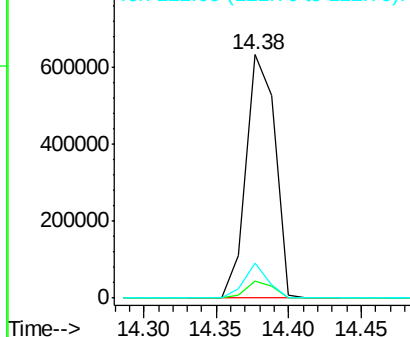
Delta R.T. 0.00 min

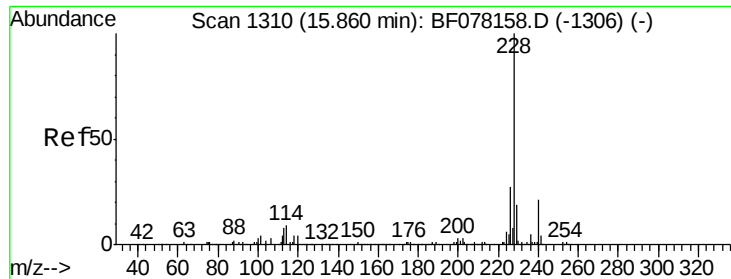
Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		880039		
212	7.2	5.0	7.4		
122	14.4	7.1	10.7#		

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





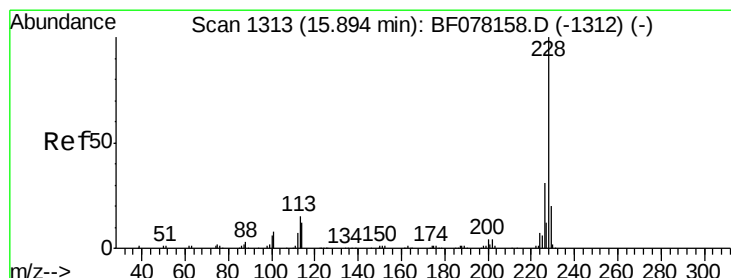
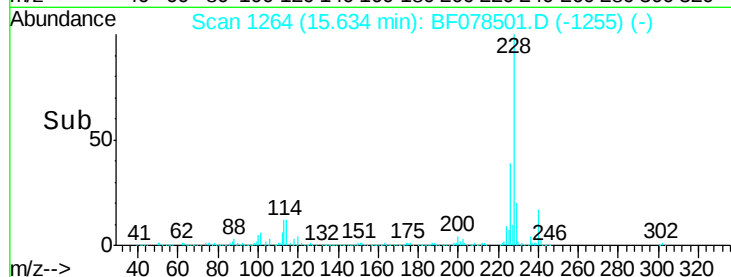
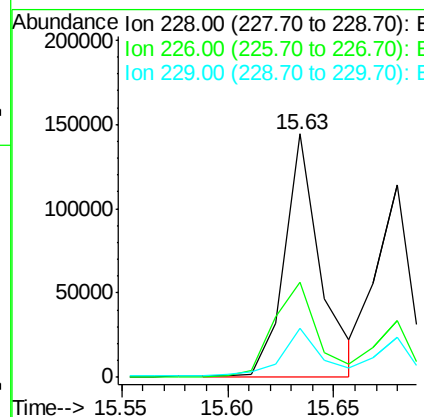
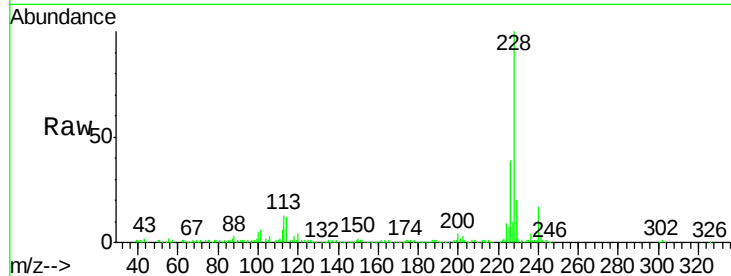
#80
Benzo(a)anthracene
Concen: 10.23 ng m
RT: 15.63 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.1	21.3	31.9#
229	20.3	15.4	23.2

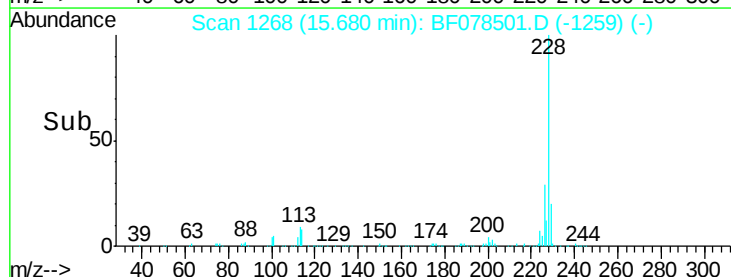
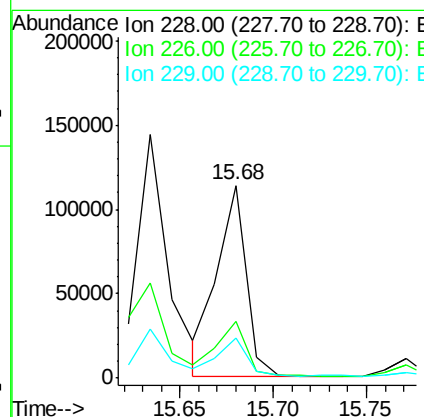
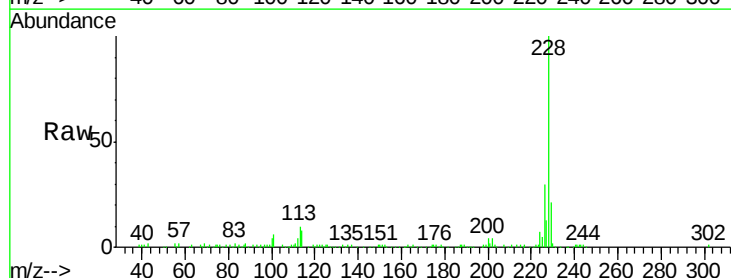
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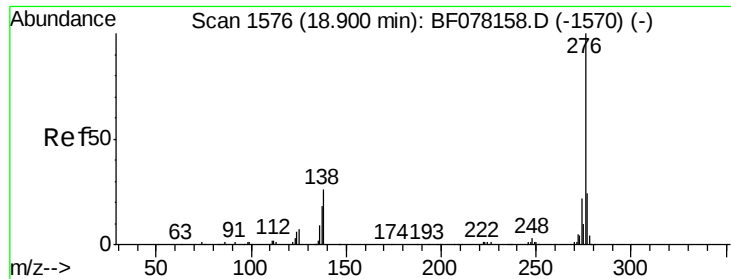
apatel
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#82
Chrysene
Concen: 7.95 ng
RT: 15.68 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	20.6	15.8	23.8





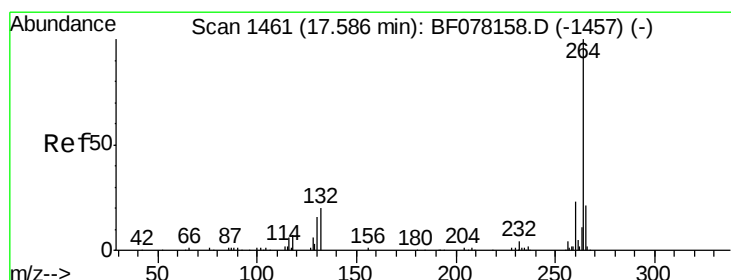
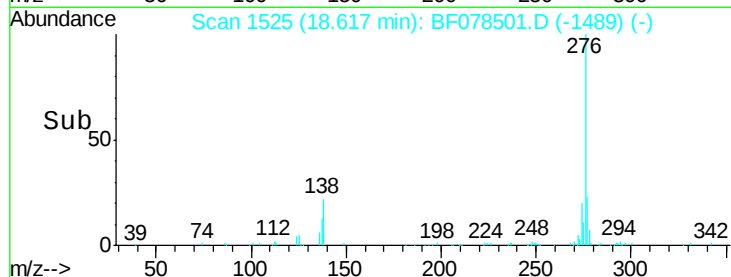
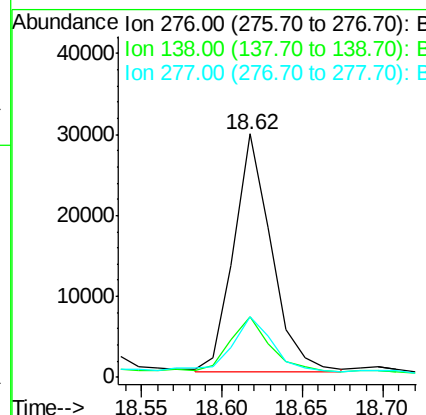
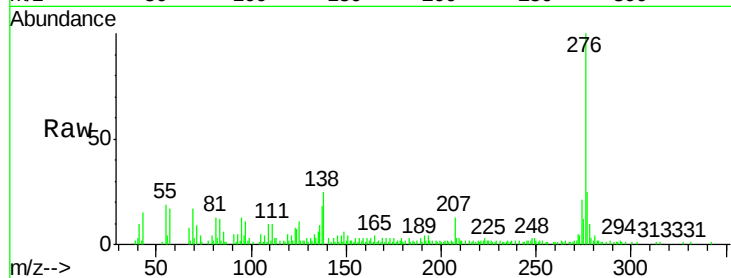
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.71 ng m
 RT: 18.62 min Scan# 1525
 Delta R.T. 0.11 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.2	16.9	25.3#
277	9.4	15.8	23.6#

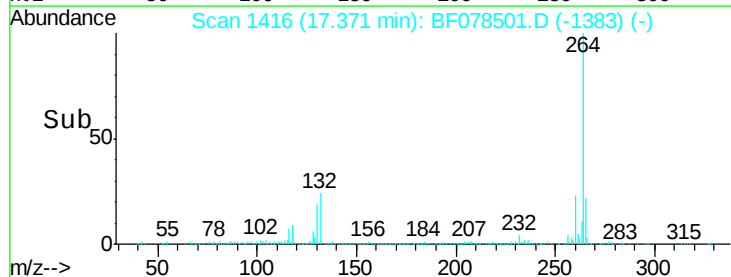
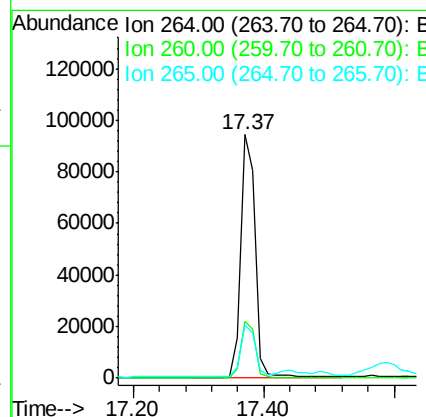
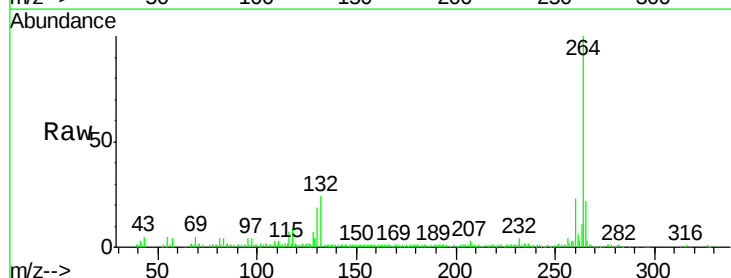
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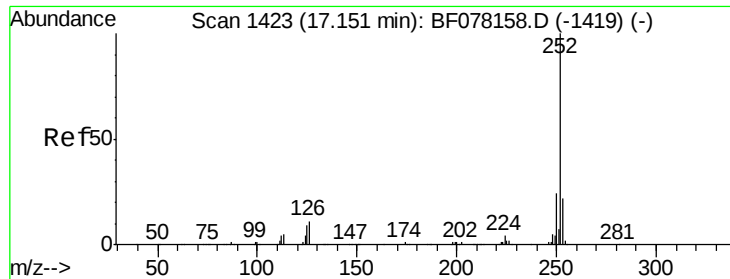
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#86
 Perylene-d12
 Concen: 10.00 ng
 RT: 17.37 min Scan# 1416
 Delta R.T. 0.08 min
 Lab File: BF078501.D
 Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.9	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 5.84 ng m

RT: 16.94 min Scan# 1378

Delta R.T. 0.06 min

Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Instrument :

BNA_F

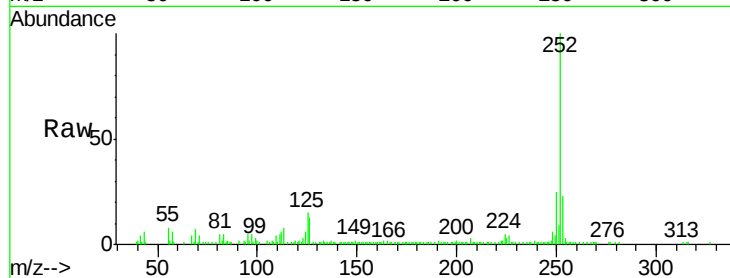
ClientSampleId :

SB-10DA

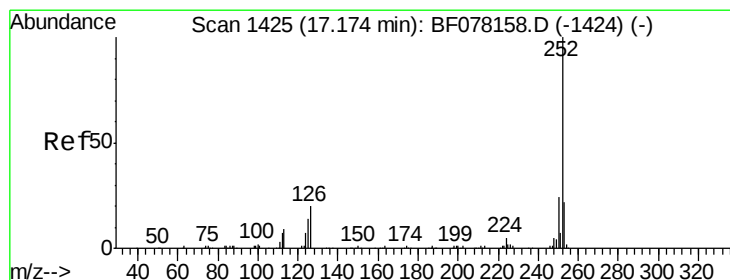
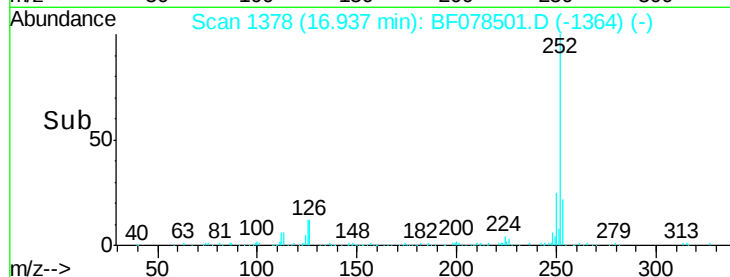
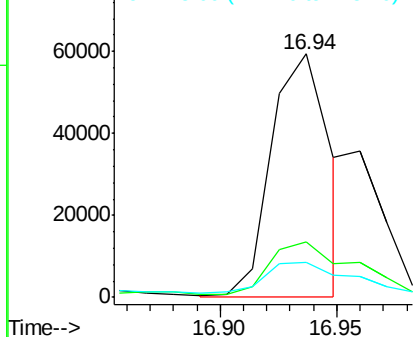
Tgt Ion:	252	Resp:	103635
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	14.5	7.0	10.4

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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



#88

Benzo(k)fluoranthene

Concen: 2.53 ng m

RT: 16.96 min Scan# 1380

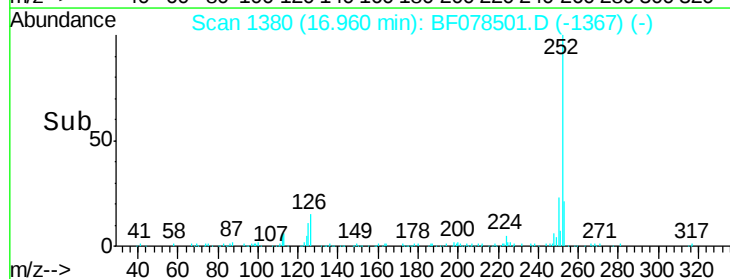
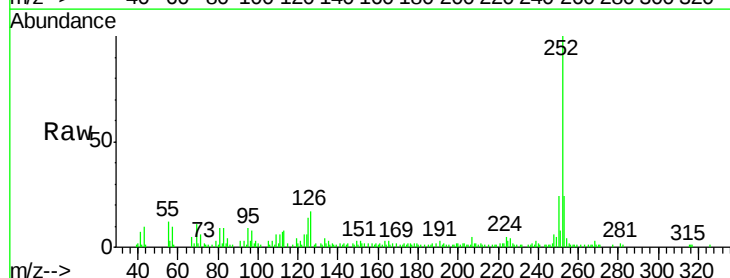
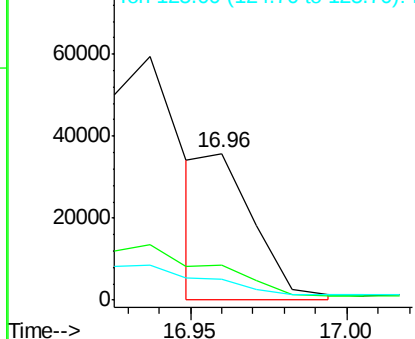
Delta R.T. 0.05 min

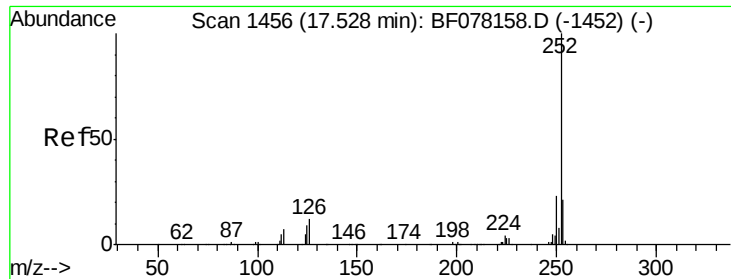
Lab File: BF078501.D

Acq: 14 Apr 2015 12:46

Tgt Ion:	252	Resp:	39882
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	14.0	11.6	17.4

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





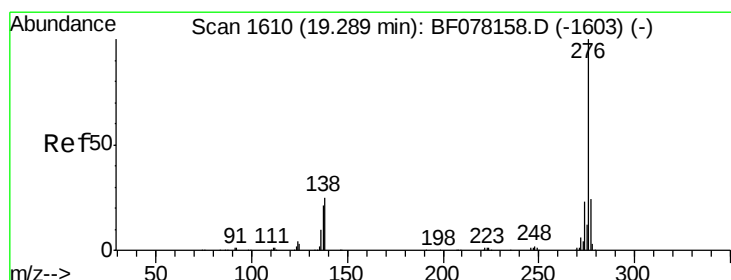
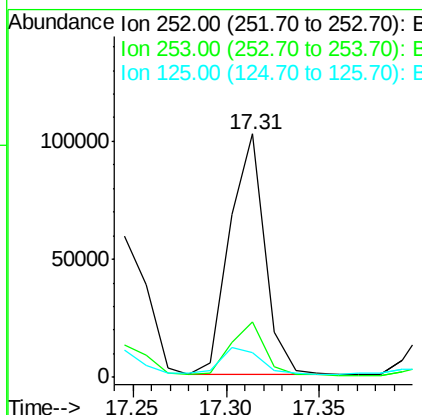
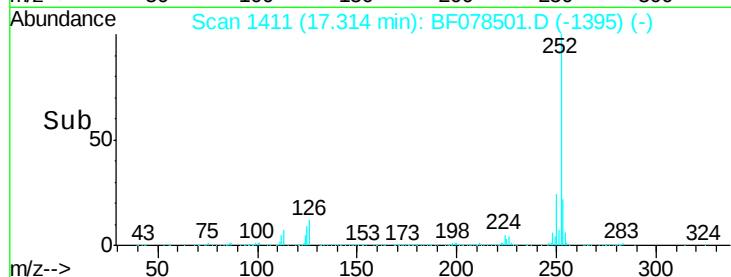
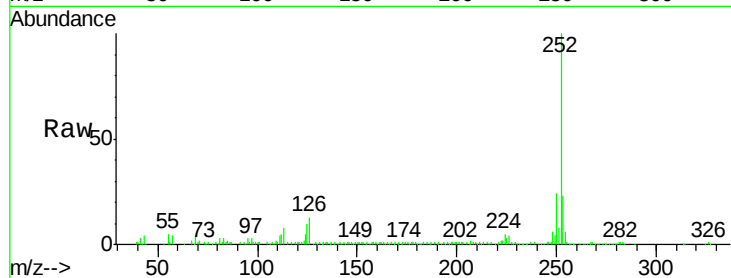
#89
Benzo(a)pyrene
Concen: 8.60 ng
RT: 17.31 min Scan# 1411
Delta R.T. 0.08 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Instrument :
BNA_F
ClientSampleId :
SB-10DA

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	10.3	7.4	11.0

Manual Integrations
APPROVED

apatel
4/14/2015 5:27:20 PM



#91
Benzo(g,h,i)perylene
Concen: 3.81 ng m
RT: 18.97 min Scan# 1556
Delta R.T. 0.13 min
Lab File: BF078501.D
Acq: 14 Apr 2015 12:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	22.0	19.9	29.9

