

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF078993.D
 Acq On : 7 May 2015 13:56
 Operator : TP/IZ
 Sample : G2116-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54D

Manual Integrations
 APPROVED

apatel
 5/8/2015 3:50:42 PM

Quant Time: May 08 01:16:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	76979	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	313353	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	156484	20.00	ng	0.00
63) Phenanthrene-d10	12.94	188	303223	20.00	ng	0.00
75) Chrysene-d12	16.25	240	323206	20.00	ng	-0.02
86) Perylene-d12	18.07	264	346332	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	467657	104.57	ng	0.01
7) Phenol-d6	6.89	99	608301	102.91	ng	0.00
23) Nitrobenzene-d5	8.03	82	347289	63.70	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	173845	102.69	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	655621	58.37	ng	0.00
78) Terphenyl-d14	14.94	244	694149	51.42	ng	0.00
Target Compounds						
10) Phenol	6.91	94	17034	2.48	ng	95
49) Dimethylphthalate	10.77	163	30361	2.64	ng	98
70) Phenanthrene	12.97	178	228775	13.49	ng	98
71) Anthracene	13.03	178	48933	2.94	ng	97
74) Fluoranthene	14.45	202	231225	13.08	ng	99
77) Pyrene	14.73	202	206406	11.08	ng	98
80) Benzo(a)anthracene	16.24	228	97691	5.52	ng	99
82) Chrysene	16.29	228	79483	4.67	ng	96
85) Indeno(1,2,3-cd)pyrene	19.57	276	47484m	2.19	ng	
87) Benzo(b)fluoranthene	17.60	252	111925m	5.90	ng	
89) Benzo(a)pyrene	18.00	252	78958	4.52	ng	96
91) Benzo(a,h,i)perylene	20.01	276	48391	2.60	ng	97

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

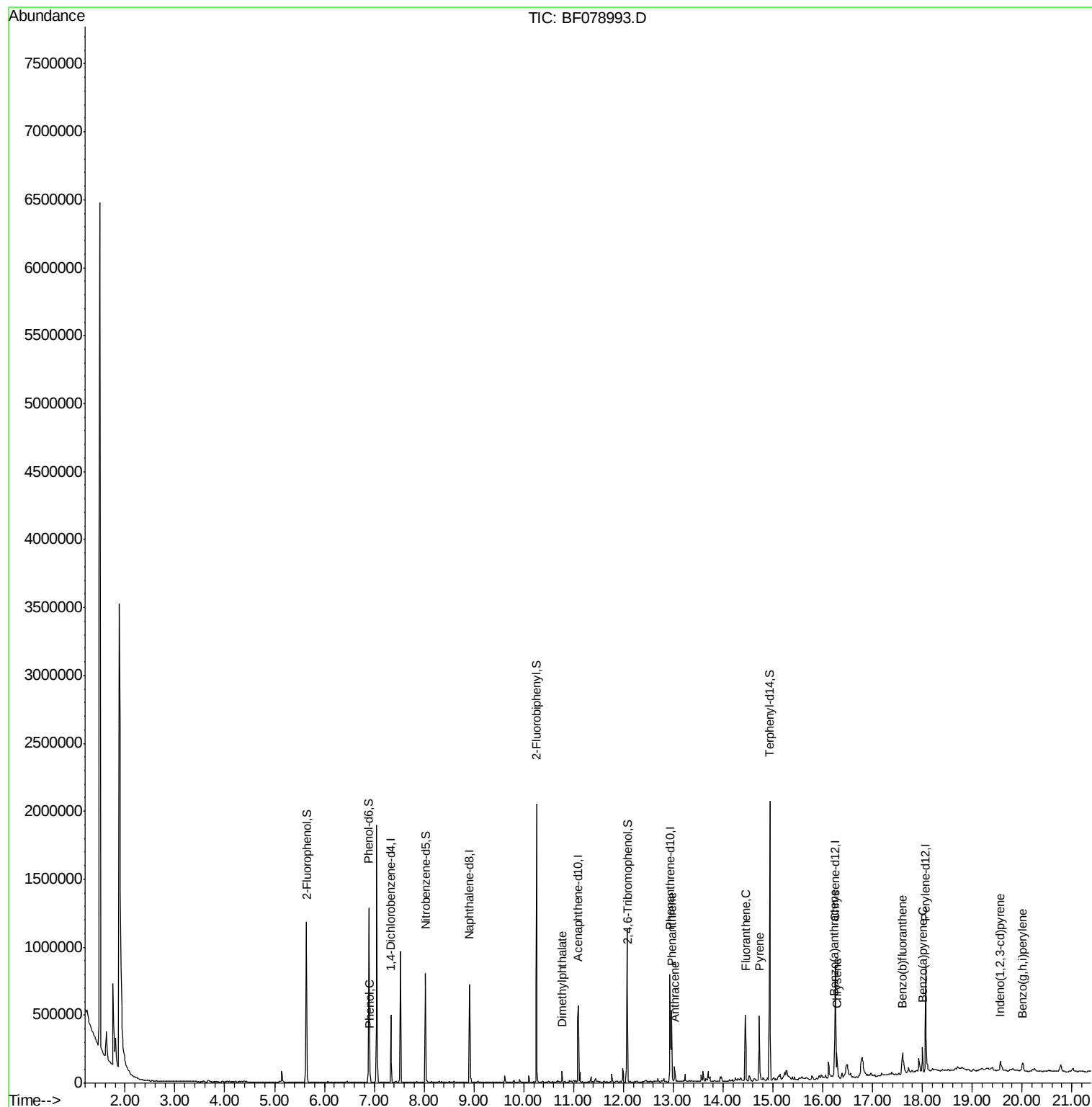
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF078993.D
Acq On : 7 May 2015 13:56
Operator : TP/IZ
Sample : G2116-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54D

Manual Integrations
APPROVED

apatel
5/8/2015 3:50:42 PM

Quant Time: May 08 01:16:58 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 00:46:40 2015
Response via : Initial Calibration





#1

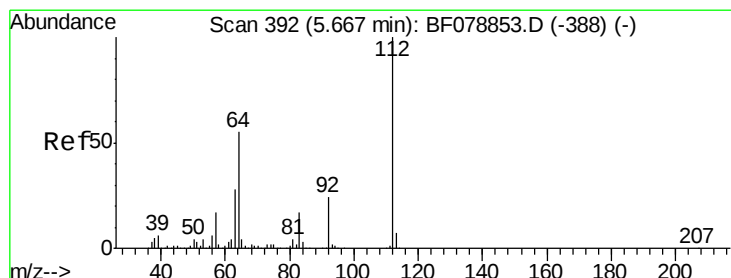
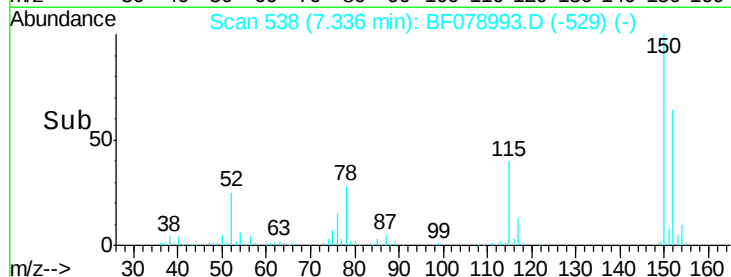
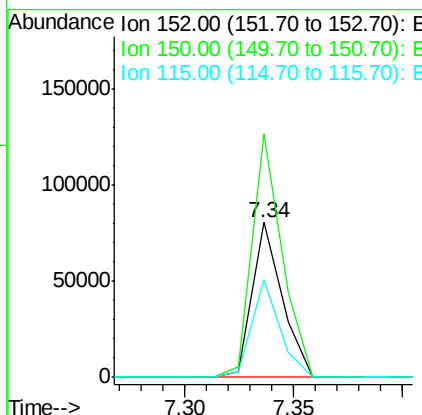
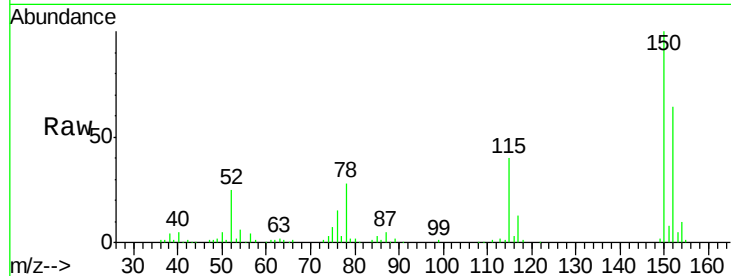
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.34 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.0	183.0
115	63.0	46.3	69.5

Manual Integrations
APPROVED

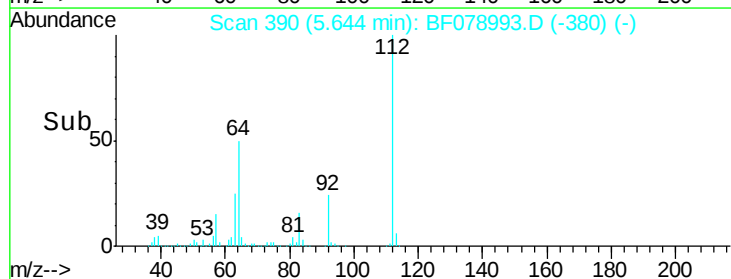
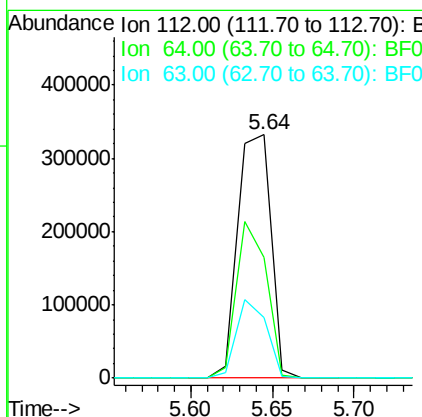
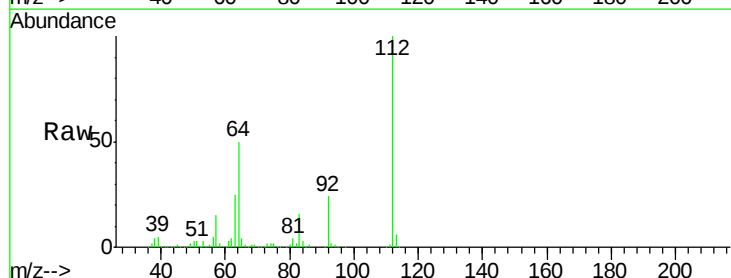
apatel
5/8/2015 3:50:42 PM



#5

2-Fluorophenol
Concen: 104.57 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.8	53.5	80.3#
63	24.8	27.5	41.3#





#7

Phenol-d6

Concen: 102.91 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

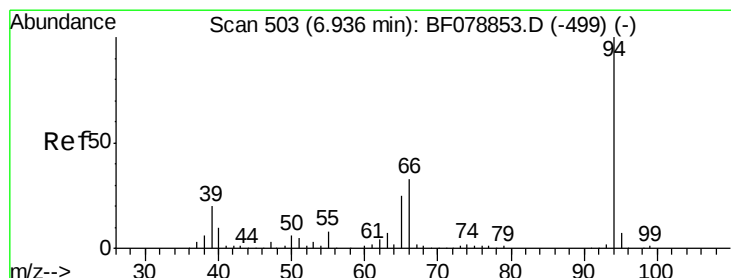
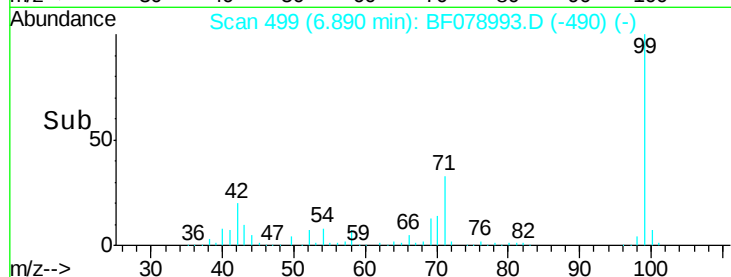
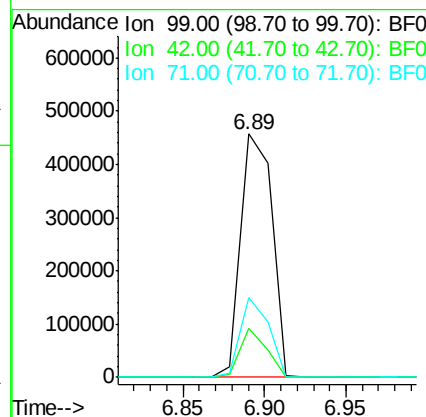
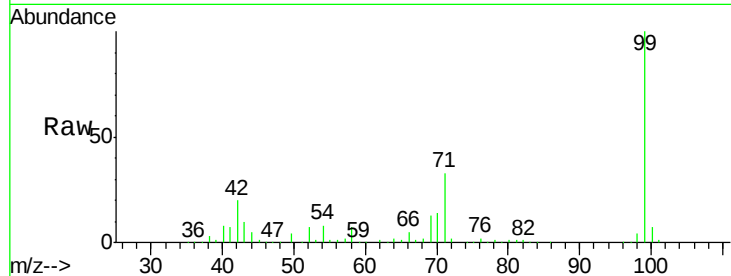
ClientSampleId :

SB-54D

Tot Ion:	99	Resp:	608301
Ion Ratio	Lower	Upper	
99	100		
42	20.3	12.8	19.2#
71	33.0	23.4	35.2

Manual Integrations
APPROVED

apatel
5/8/2015 3:50:42 PM



#10

Phenol

Concen: 2.48 ng

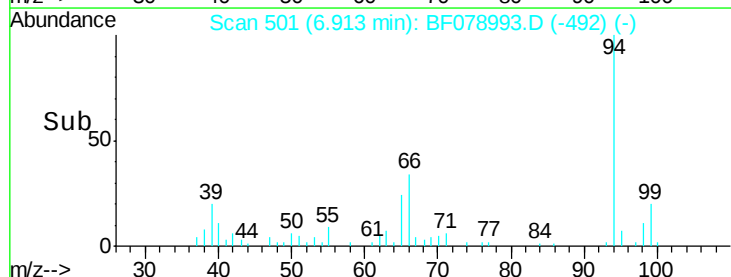
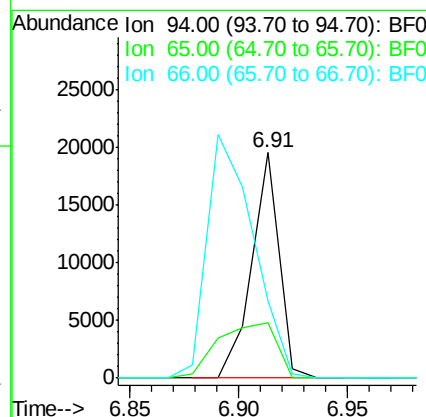
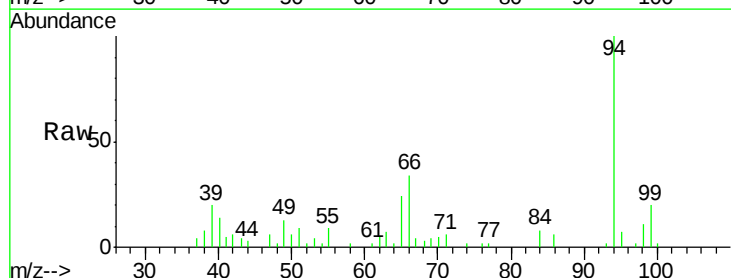
RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Tgt Ion:	94	Resp:	17034
Ion Ratio	Lower	Upper	
94	100		
65	24.4	8.5	48.5
66	34.3	16.0	56.0





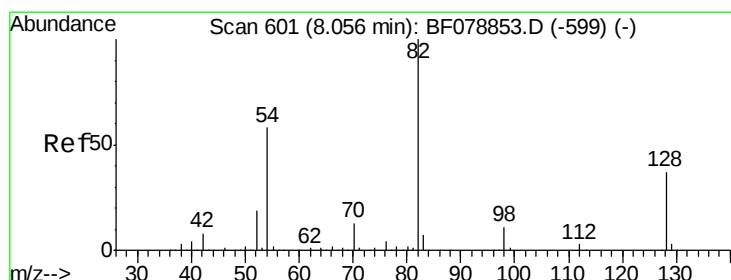
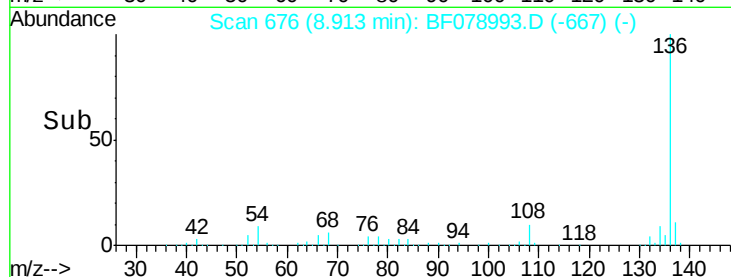
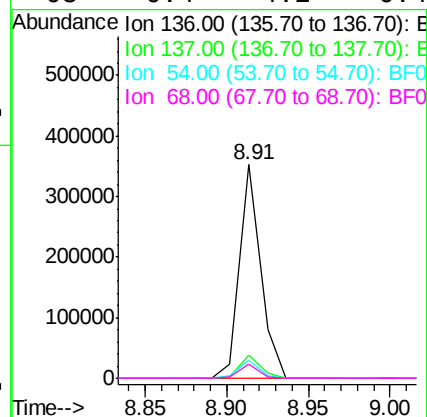
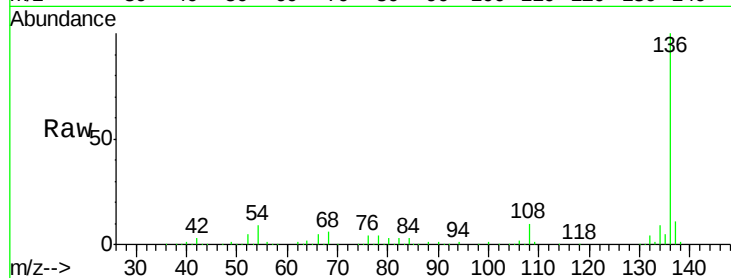
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampled :
SB-54D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.7	13.1	
54	8.6	5.8	8.8	
68	6.4	4.2	6.4	

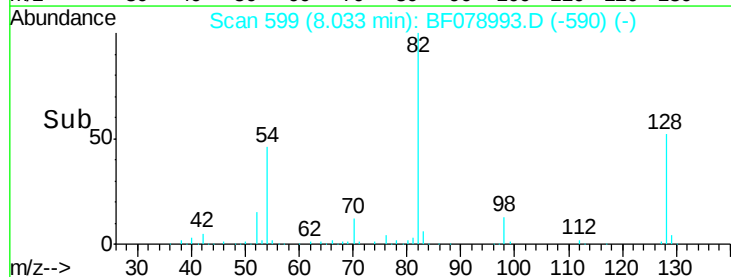
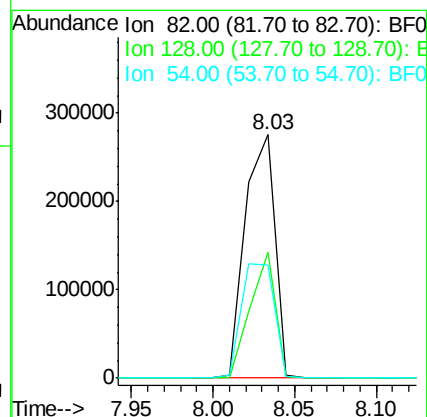
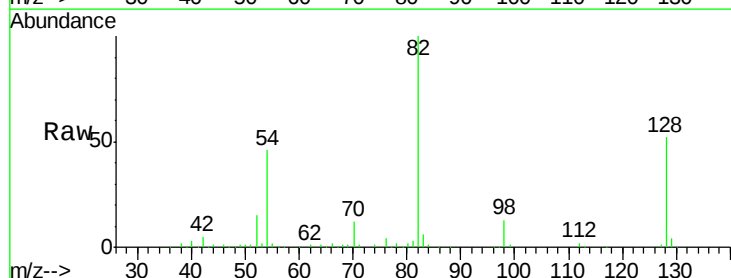
Manual Integrations
APPROVED

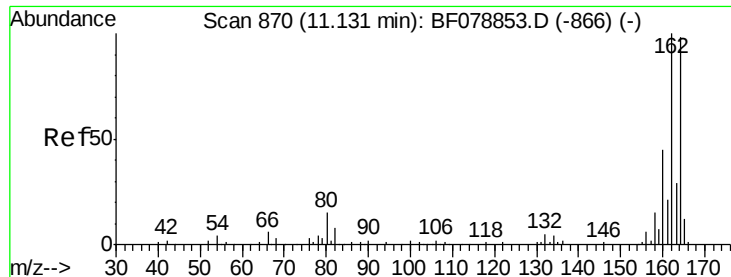
apatel
5/8/2015 3:50:42 PM



#23
Nitrobenzene-d5
Concen: 63.70 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.8	30.0	45.0	
54	46.3	46.4	69.6	





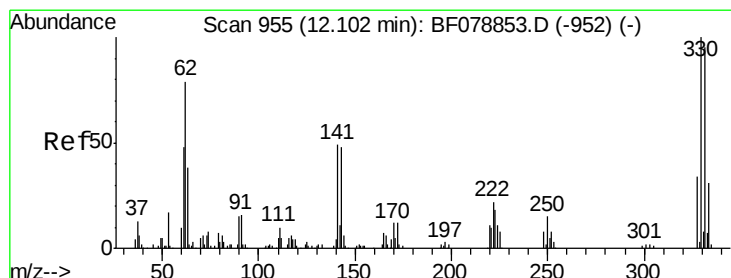
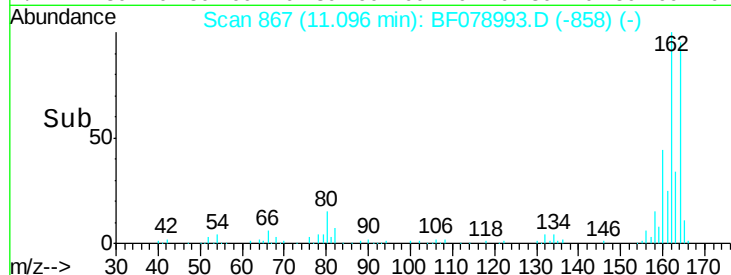
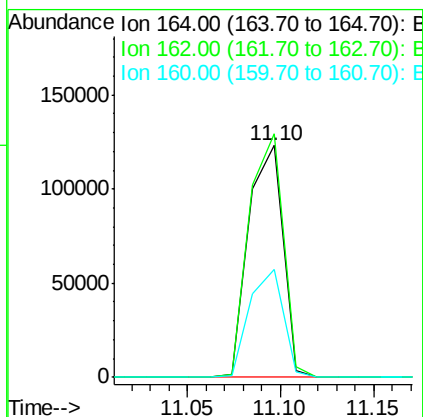
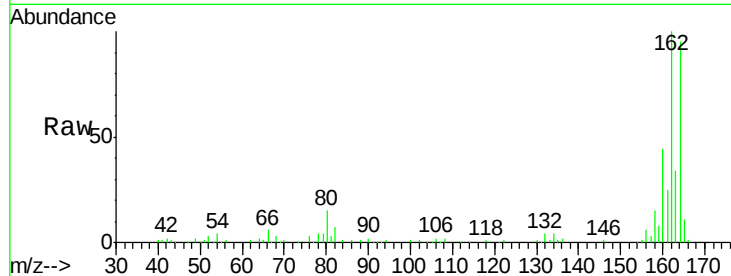
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.7	124.1
160	46.7	35.8	53.8

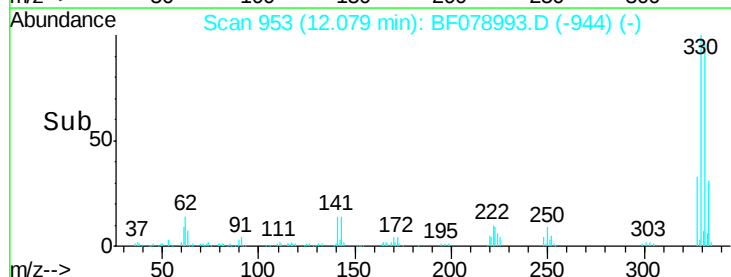
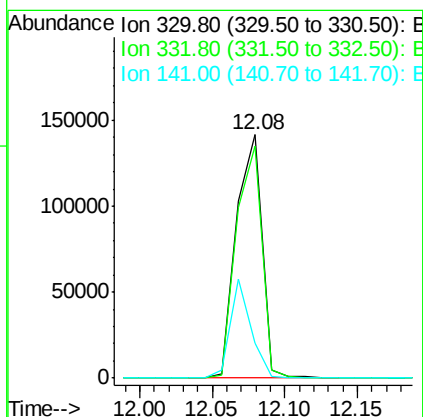
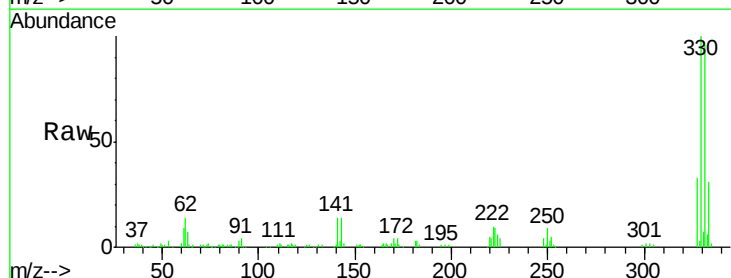
Manual Integrations
APPROVED

apatel
5/8/2015 3:50:42 PM



#41
2,4,6-Tribromophenol
Concen: 102.69 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	33.0	0.0	0.0#





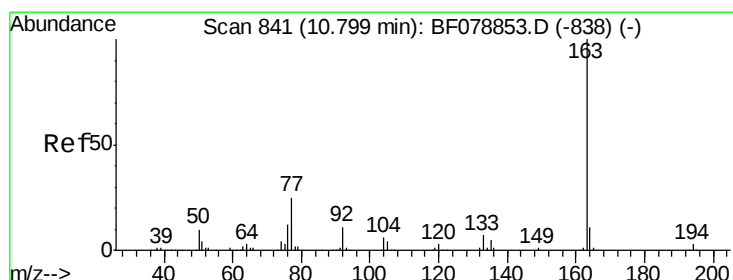
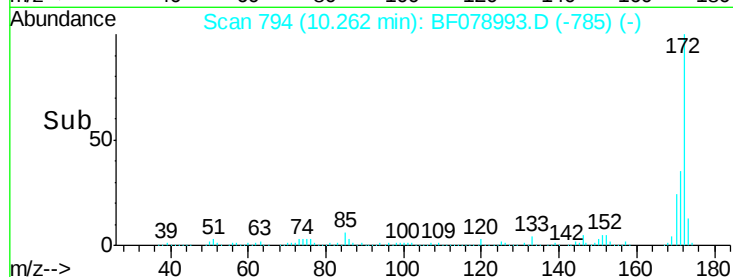
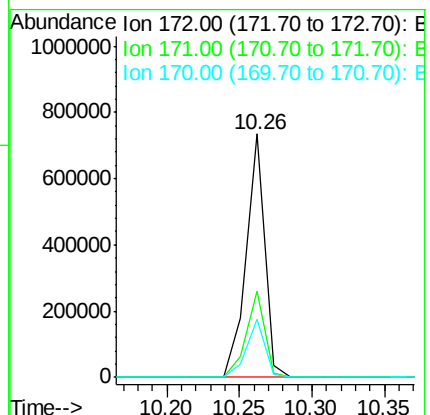
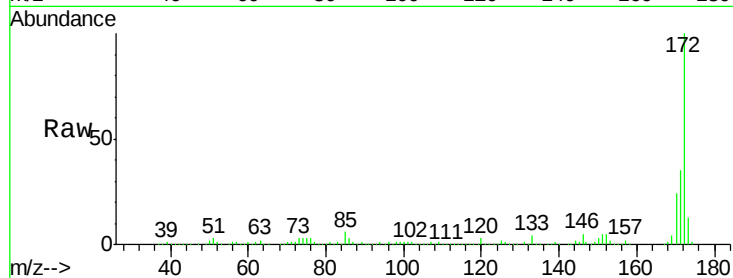
#44
2-Fluorobiphenyl
Concen: 58.37 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tot Ion:	172	Resp:	655621
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.9	41.9
170	23.8	19.4	29.0

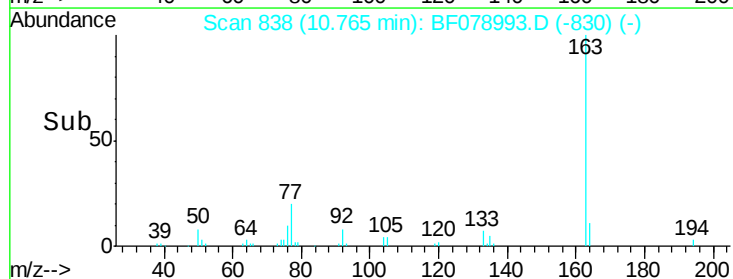
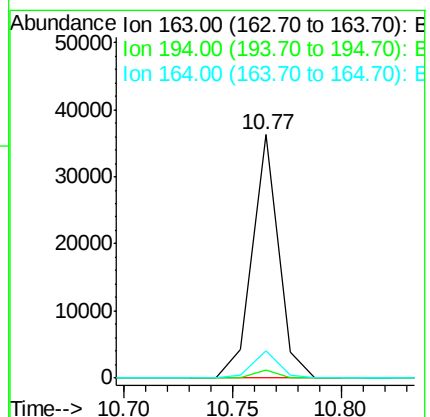
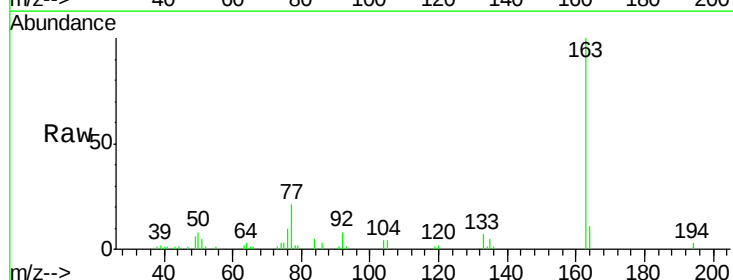
Manual Integrations
APPROVED

apatel
5/8/2015 3:50:42 PM



#49
Dimethylphthalate
Concen: 2.64 ng
RT: 10.77 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion:	163	Resp:	30361
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	11.2	8.1	12.1





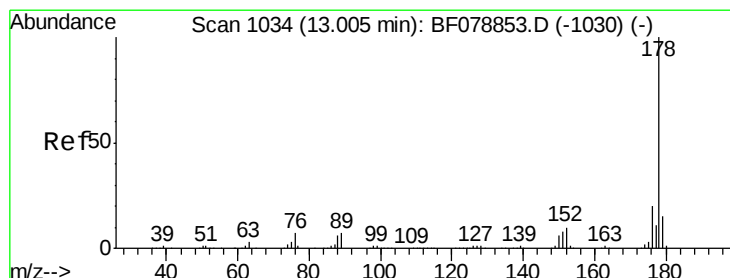
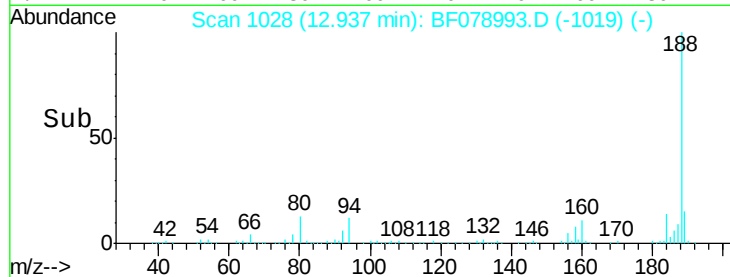
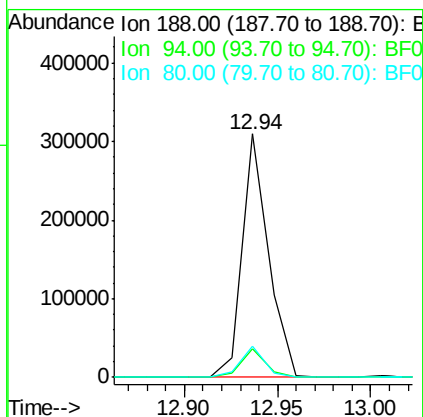
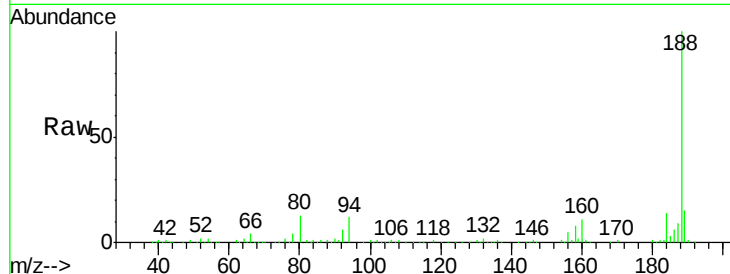
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.94 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampled :
SB-54D

Tot Ion:	188	Resp:	303223
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.2	12.2
80	12.7	8.9	13.3

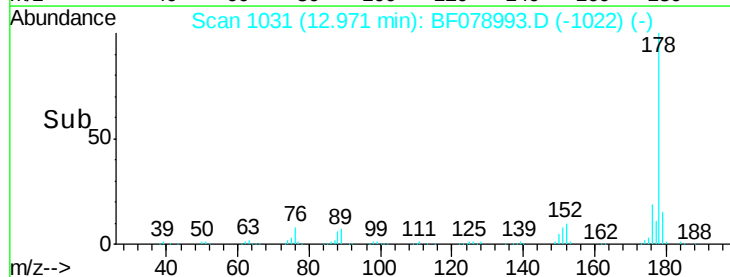
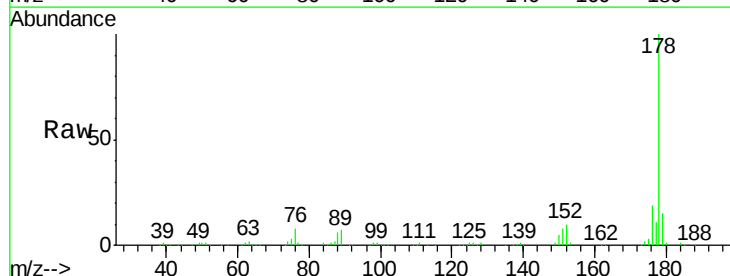
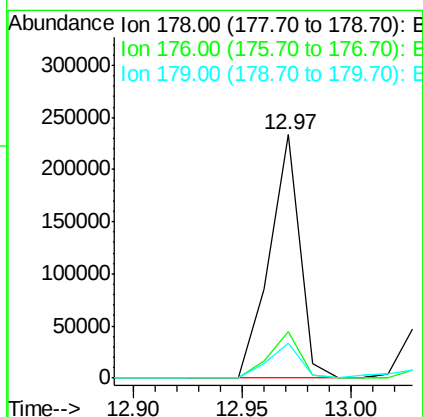
Manual Integrations
APPROVED

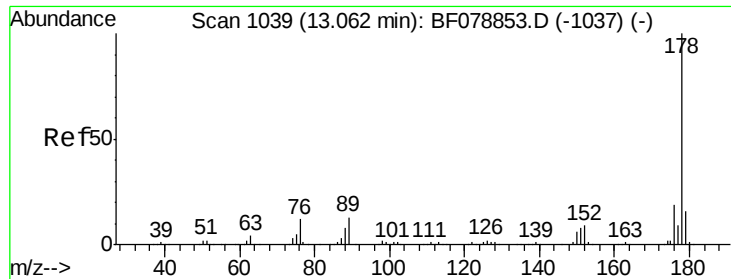
apatel
5/8/2015 3:50:42 PM



#70
Phenanthrene
Concen: 13.49 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion:	178	Resp:	228775
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	14.6	12.5	18.7





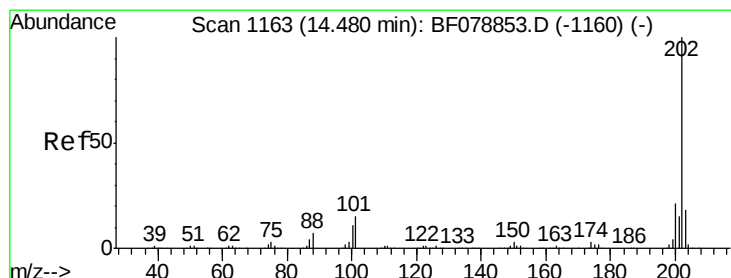
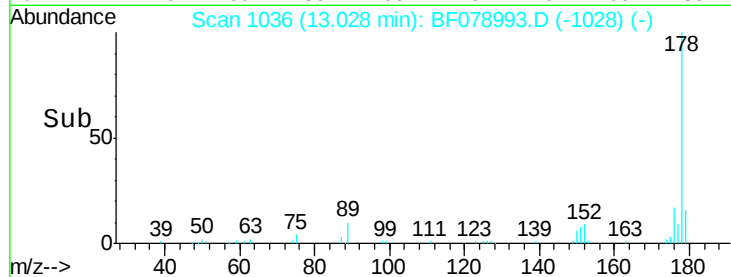
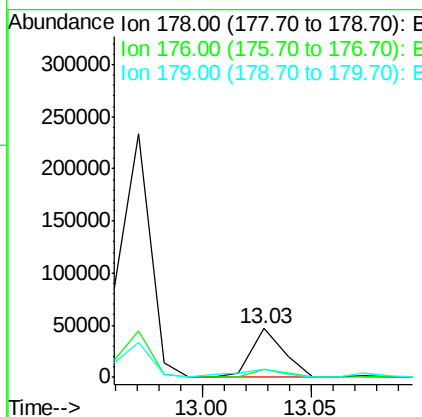
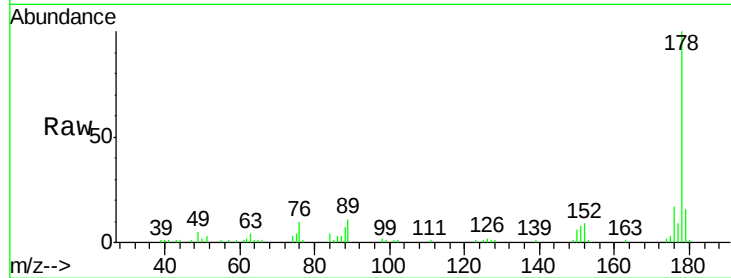
#71
 Anthracene
 Concen: 2.94 ng
 RT: 13.03 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-54D

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.5	23.3
179	16.0	12.7	19.1

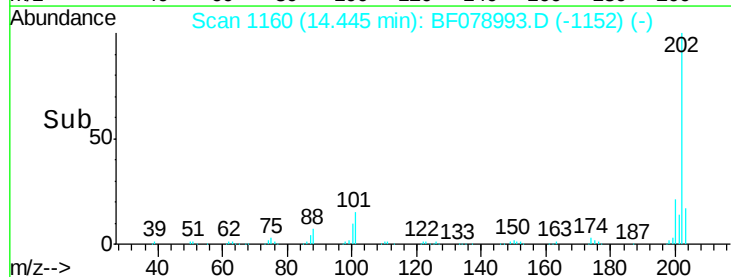
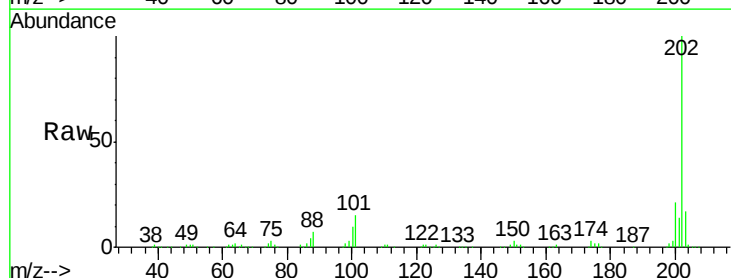
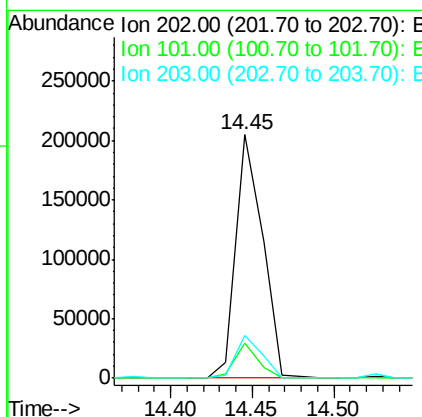
Manual Integrations
 APPROVED

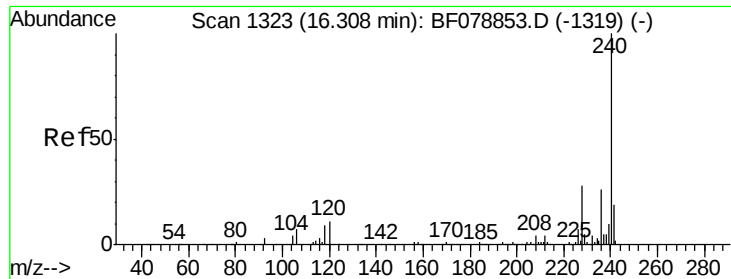
apatel
 5/8/2015 3:50:42 PM



#74
 Fluoranthene
 Concen: 13.08 ng
 RT: 14.45 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.6
203	17.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.25 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

Instrument :

BNA_F

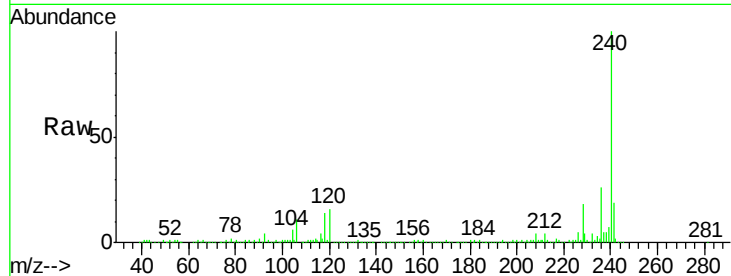
ClientSampleId :

SB-54D

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.1	9.7	14.5
236	25.9	20.2	30.4

Manual Integrations
APPROVED

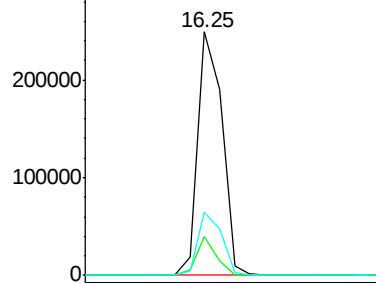
apatel
5/8/2015 3:50:42 PM



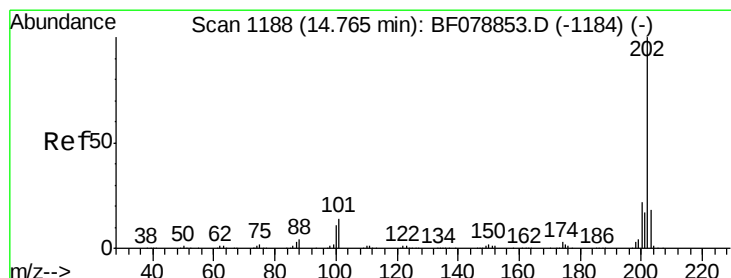
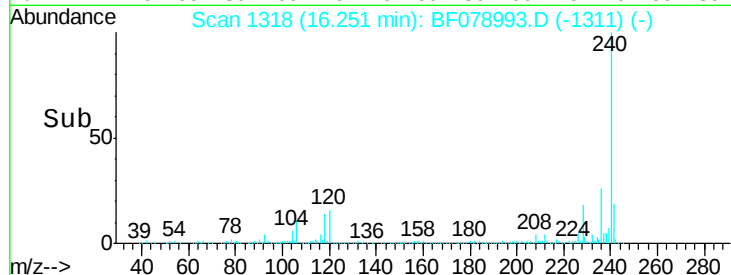
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 11.08 ng

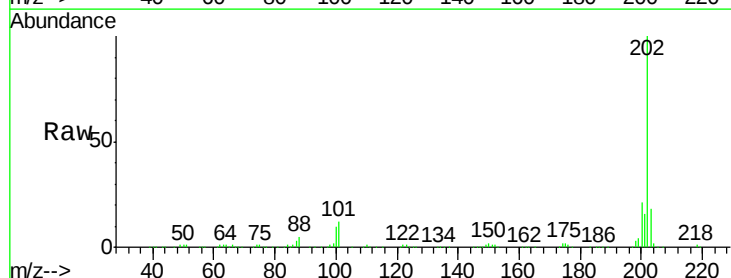
RT: 14.73 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BF078993.D

Acq: 7 May 2015 13:56

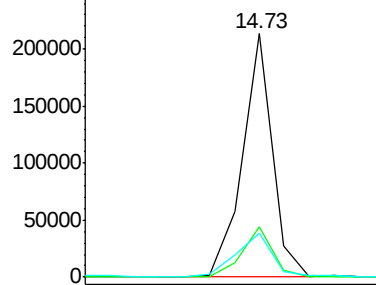
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.5	26.3
203	18.0	13.9	20.9



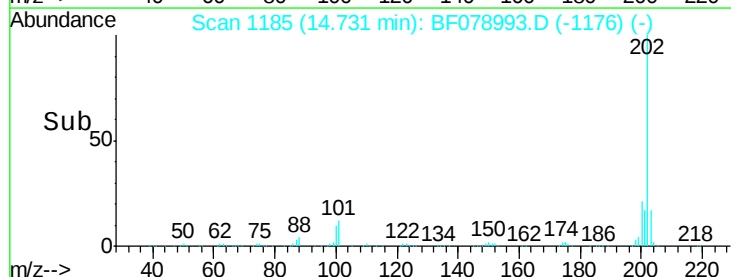
Abundance Ion 202.00 (201.70 to 202.70): E

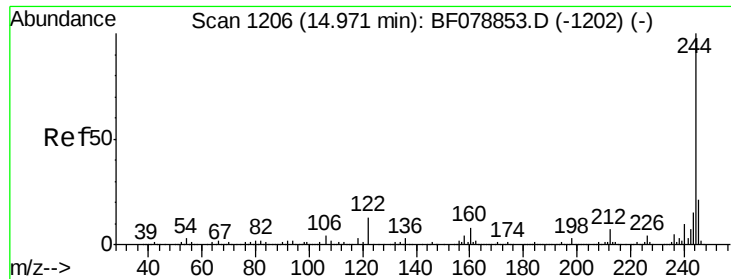
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





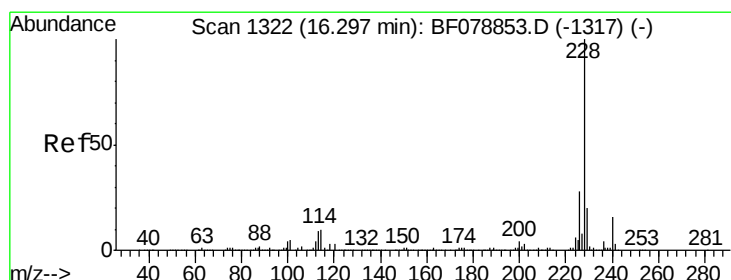
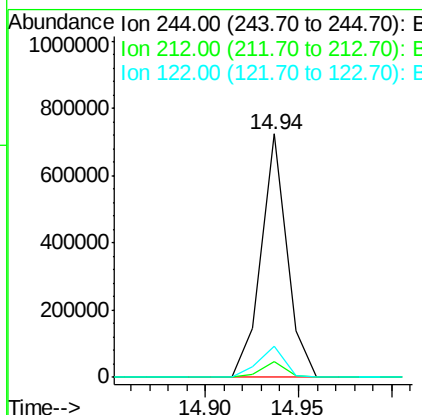
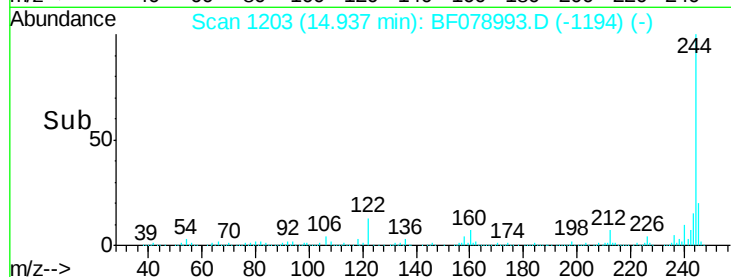
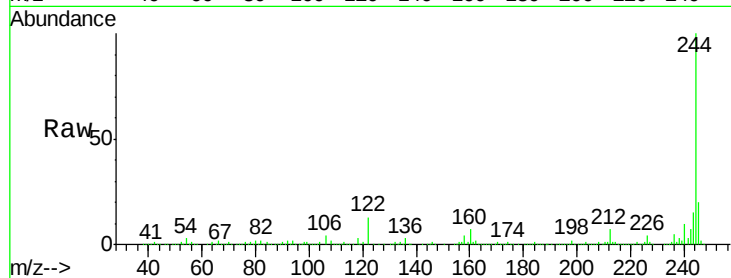
#78
 Terphenyl-d14
 Concen: 51.42 ng
 RT: 14.94 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Instrument :
 BNA_F
 ClientSampled :
 SB-54D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	12.8	10.3	15.5

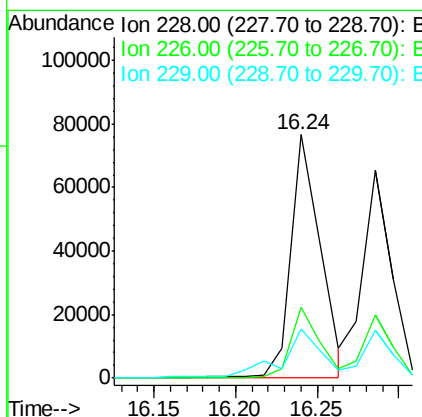
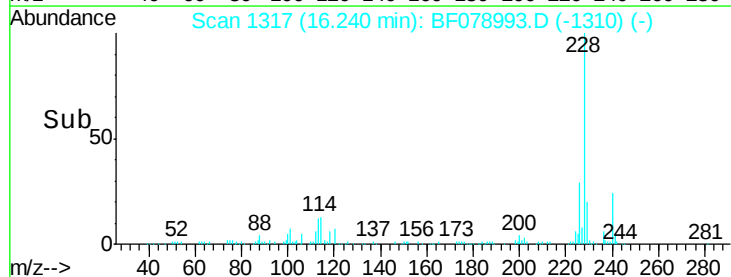
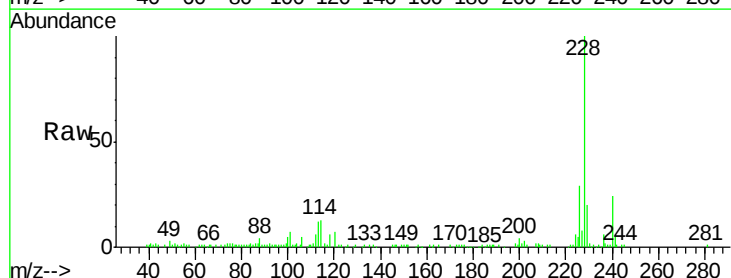
Manual Integrations
 APPROVED

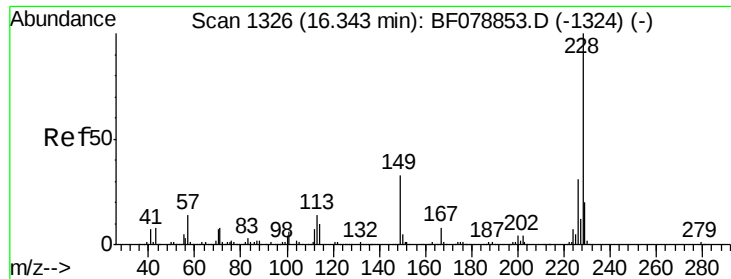
apatel
 5/8/2015 3:50:42 PM



#80
 Benzo(a)anthracene
 Concen: 5.52 ng
 RT: 16.24 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF078993.D
 Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.4	15.9	23.9





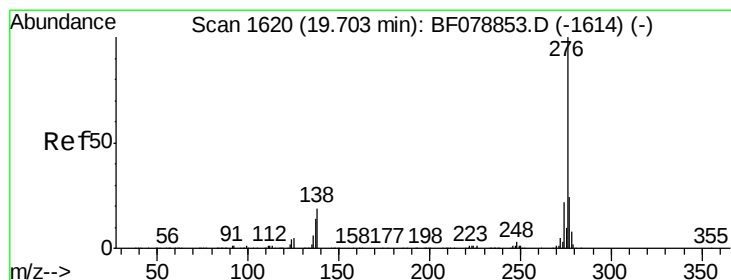
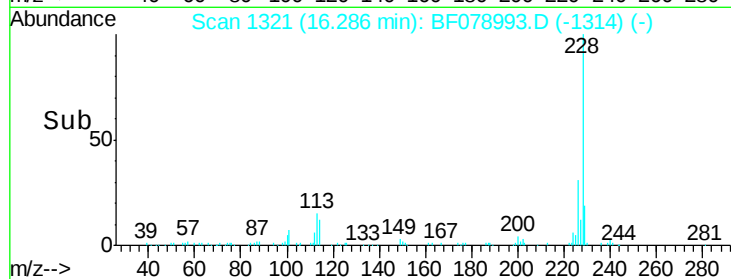
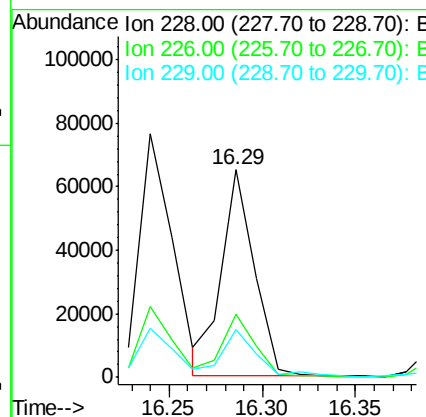
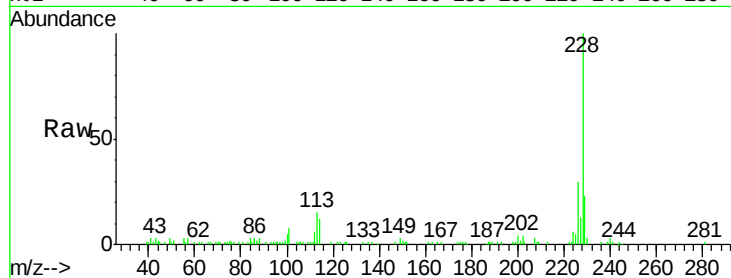
#82
Chrysene
Concen: 4.67 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampled :
SB-54D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	23.1	16.0	24.0

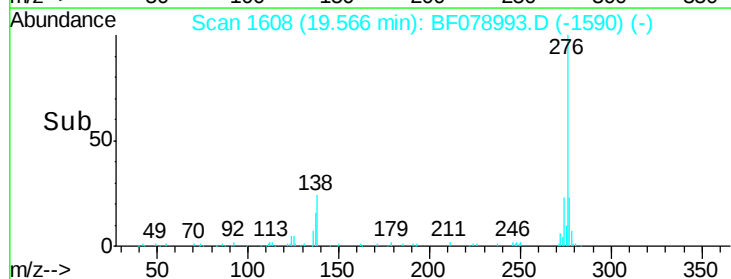
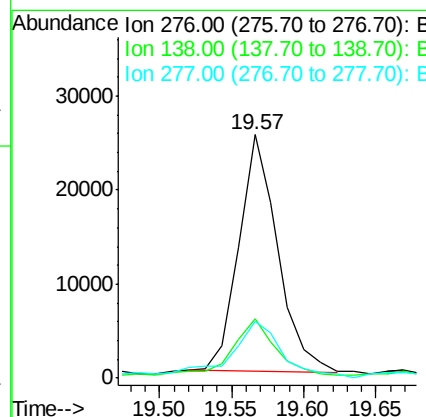
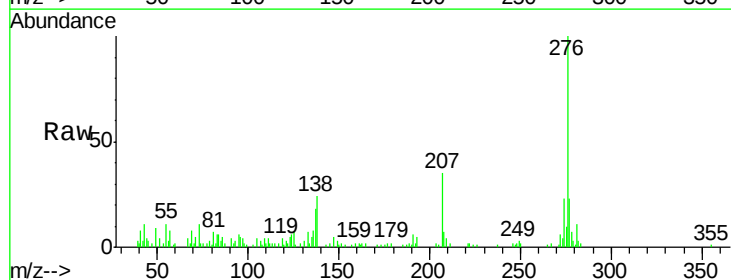
Manual Integrations
APPROVED

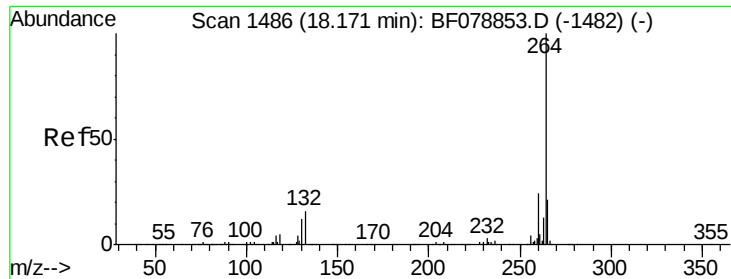
apatel
5/8/2015 3:50:42 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.19 ng m
RT: 19.57 min Scan# 1608
Delta R.T. -0.09 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.1	0.0	0.0#
277	4.1	0.0	0.0#





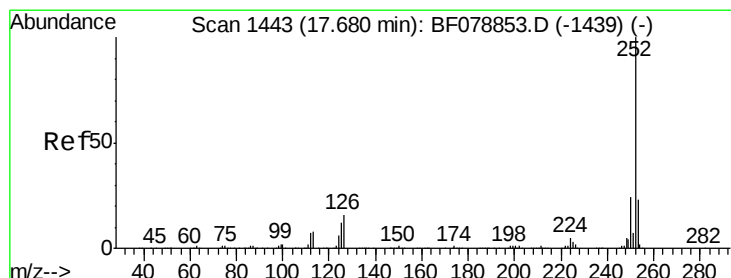
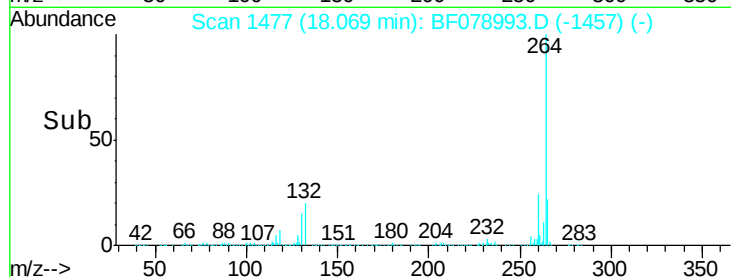
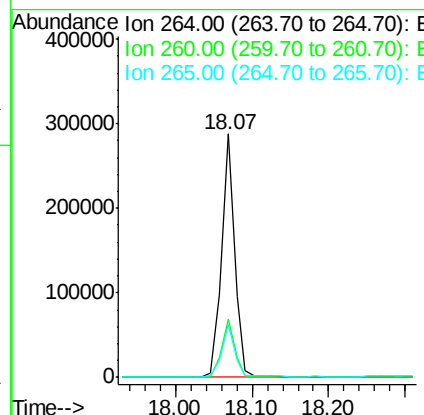
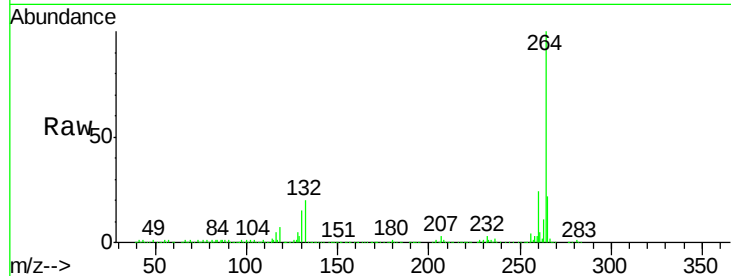
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1477
Delta R.T. -0.07 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tot Ion	Ratio	Resp	Lower	Upper
264	100	346332		
260	23.7	19.4	29.2	
265	21.6	18.3	27.5	

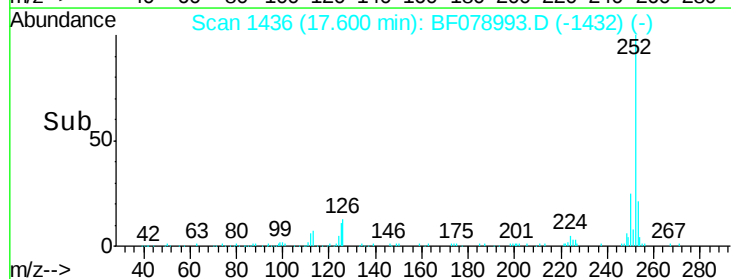
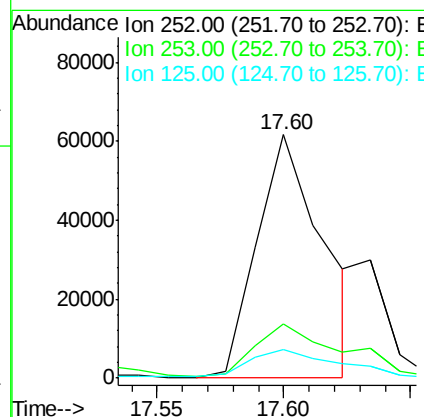
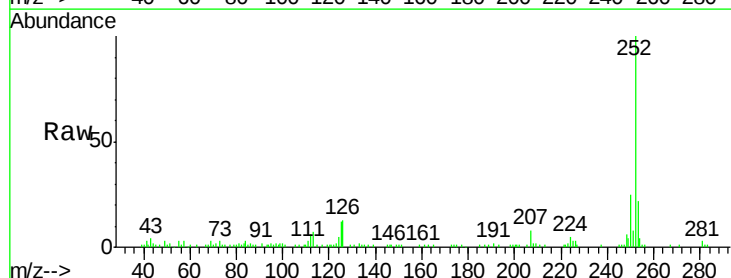
Manual Integrations
APPROVED

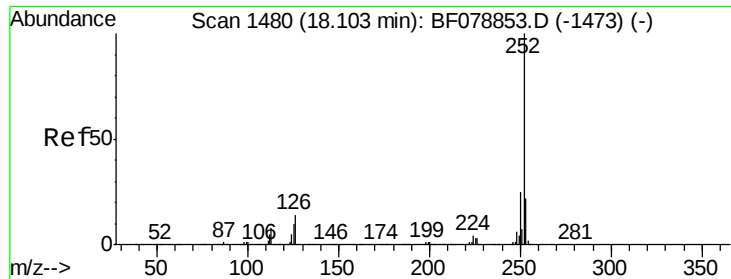
apatel
5/8/2015 3:50:42 PM



#87
Benzo(b)fluoranthene
Concen: 5.90 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	111925		
253	22.2	17.7	26.5	
125	11.7	9.5	14.3	





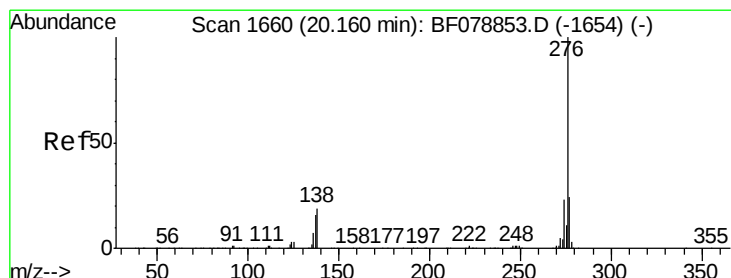
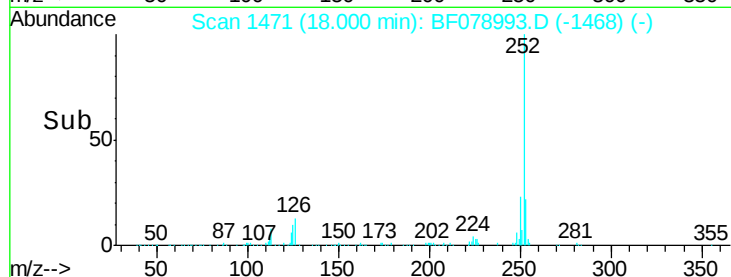
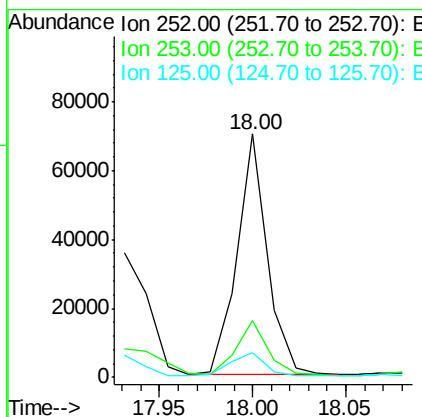
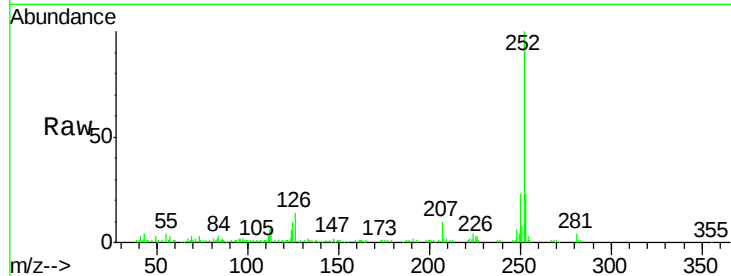
#89
Benzo(a)pyrene
Concen: 4.52 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.07 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Instrument :
BNA_F
ClientSampleId :
SB-54D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	10.2	7.0	10.6

Manual Integrations
APPROVED

apatel
5/8/2015 3:50:42 PM



#91
Benzo(g,h,i)perylene
Concen: 2.60 ng
RT: 20.01 min Scan# 1647
Delta R.T. -0.09 min
Lab File: BF078993.D
Acq: 7 May 2015 13:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	21.7	17.4	26.0

