

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
 Data File : BF078865.D
 Acq On : 30 Apr 2015 23:41
 Operator : TP/IZ
 Sample : G2044-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-60S

Manual Integrations
 APPROVED

apatel
 5/1/2015 4:43:57 PM

Quant Time: May 01 01:19:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 00:31:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	76340	20.00	ng	0.00
21) Naphthalene-d8	8.95	136	312853	20.00	ng	0.00
38) Acenaphthene-d10	11.12	164	150372	20.00	ng	-0.01
63) Phenanthrene-d10	12.97	188	299875	20.00	ng	0.00
75) Chrysene-d12	16.26	240	314971	20.00	ng	-0.01
86) Perylene-d12	17.98	264	328519	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	60264	13.59	ng	0.00
7) Phenol-d6	6.91	99	125964	21.49	ng	0.00
23) Nitrobenzene-d5	8.06	82	68584	12.60	ng	0.00
41) 2,4,6-Tribromophenol	12.10	330	7740	4.76	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	153437	14.22	ng	0.00
78) Terphenyl-d14	14.97	244	176289	13.40	ng	0.00
Target Compounds						
70) Phenanthrene	13.01	178	264157	15.75	ng	Qvalue 99
71) Anthracene	13.06	178	56041	3.41	ng	99
74) Fluoranthene	14.48	202	380439	21.76	ng	97
77) Pyrene	14.77	202	375001	20.66	ng	99
80) Benzo(a)anthracene	16.25	228	194205	11.26	ng	99
82) Chrysene	16.30	228	148666	8.96	ng	97
85) Indeno(1,2,3-cd)pyrene	19.47	276	100344	4.75	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	194784m	10.83	ng	
88) Benzo(k)fluoranthene	17.55	252	76941m	4.42	ng	
89) Benzo(a)pyrene	17.91	252	155442	9.39	ng	98
91) Benzo(g,h,i)perylene	19.92	276	99710	5.65	ng	99

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

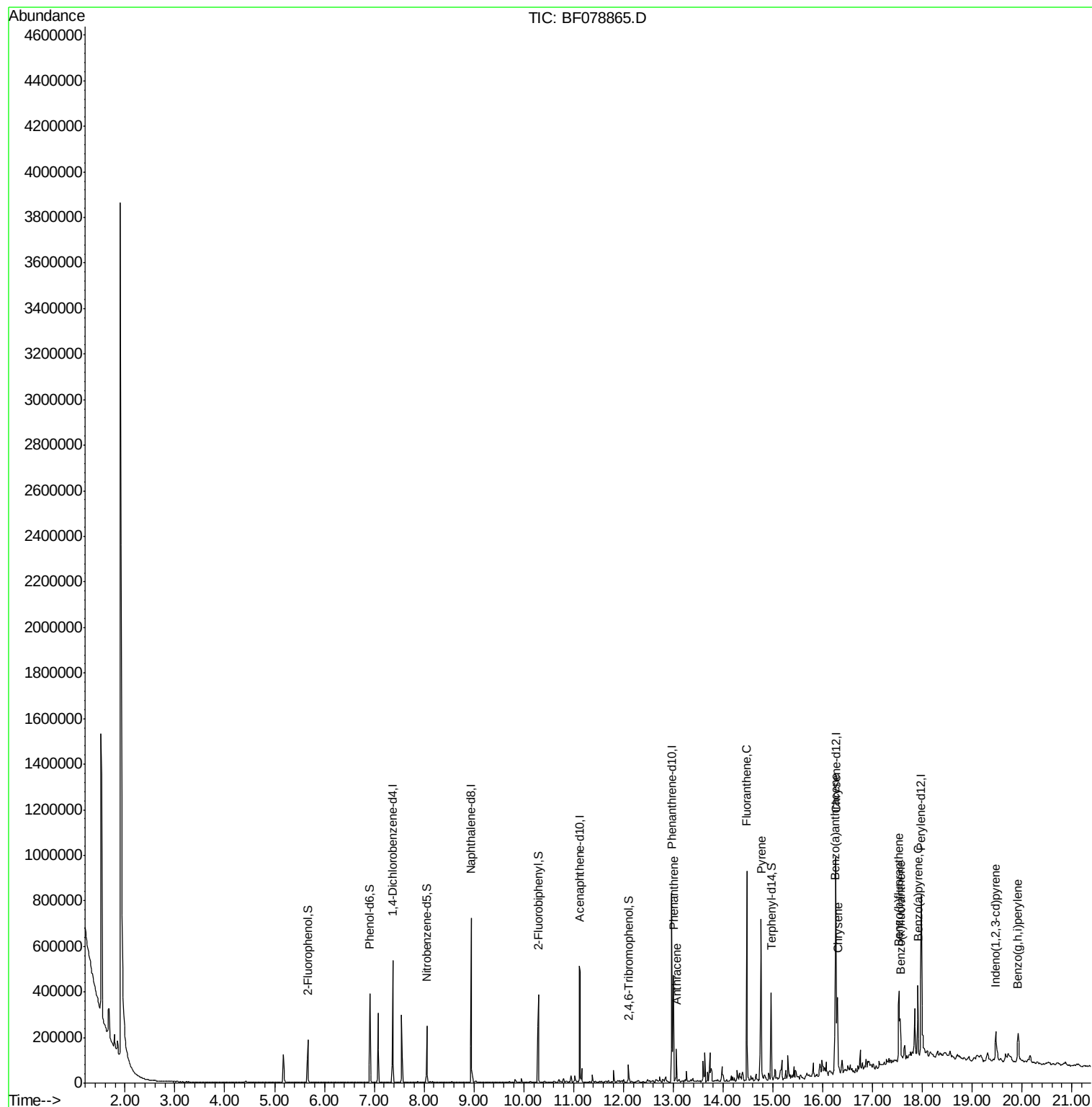
Data Path : Z:\HPCHEM1\BNA F\DATA\BF043015\
Data File : BF078865.D
Acq On : 30 Apr 2015 23:41
Operator : TP/IZ
Sample : G2044-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

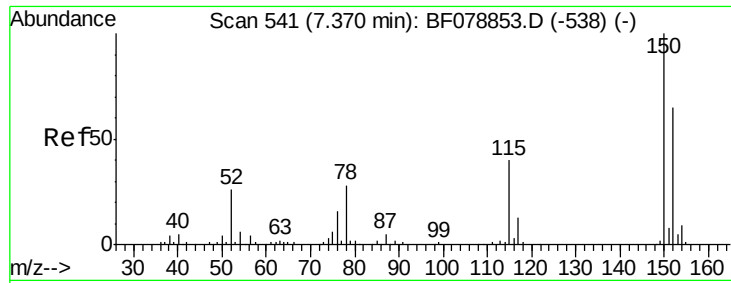
Instrument :
BNA_F
ClientSampleId :
SB-60S

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM

Quant Time: May 01 01:19:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 01 00:31:00 2015
Response via : Initial Calibration





#1

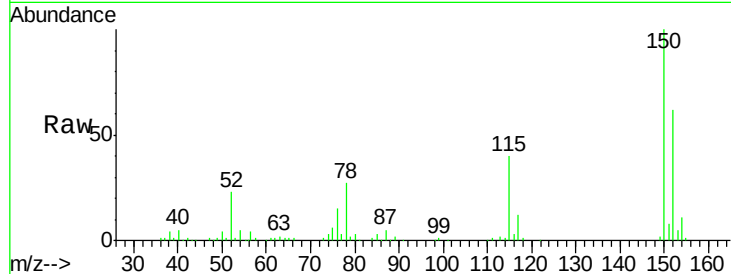
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Instrument :
BNA_F
ClientSampleId :
SB-60S

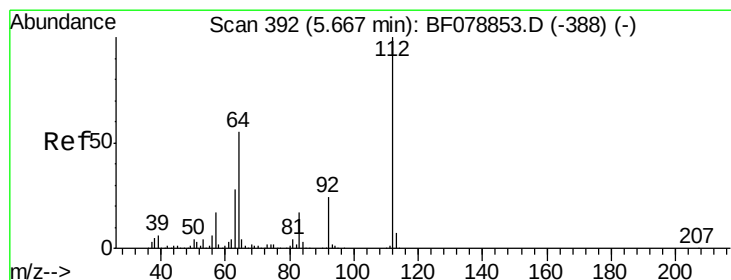
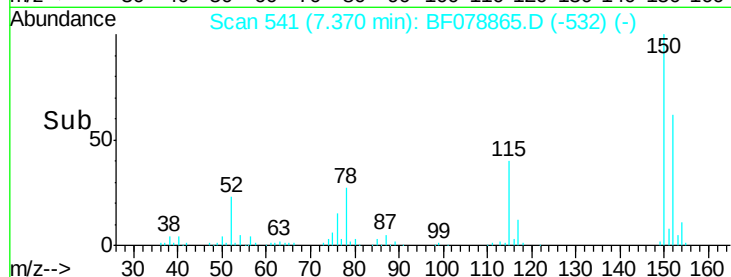
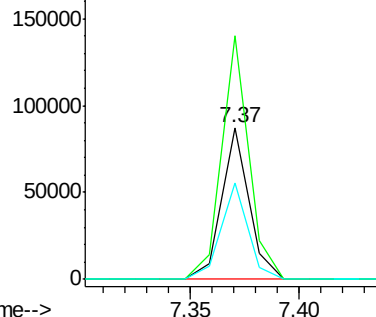
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	122.0	183.0
115	64.0	46.3	69.5

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM



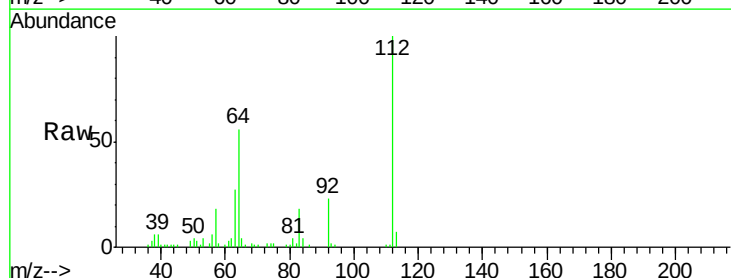
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



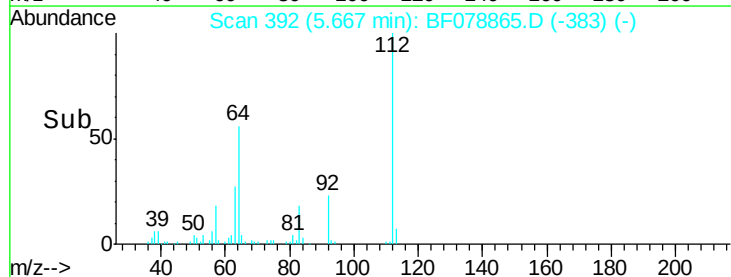
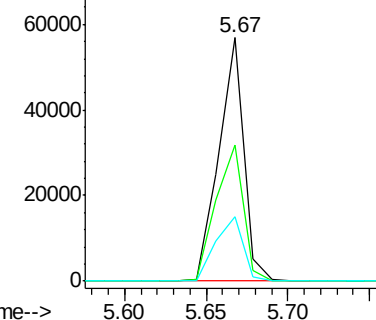
#5

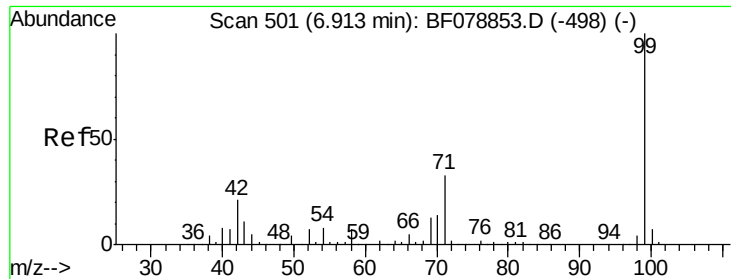
2-Fluorophenol
Concen: 13.59 ng
RT: 5.67 min Scan# 392
Delta R.T. -0.00 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	53.5	80.3
63	26.5	27.5	41.3#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.49 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.00 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Instrument :

BNA_F

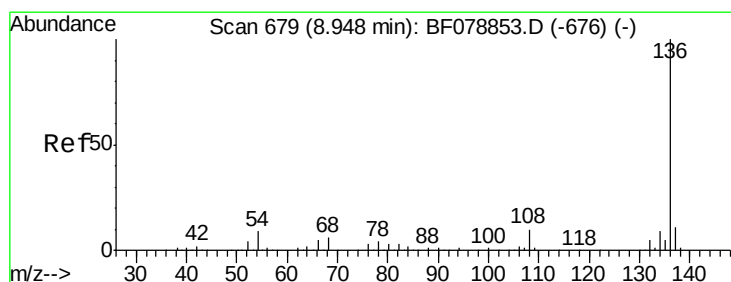
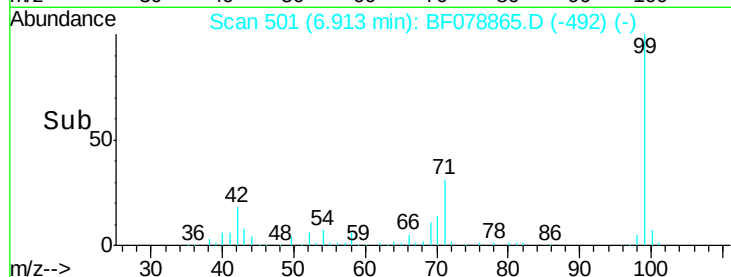
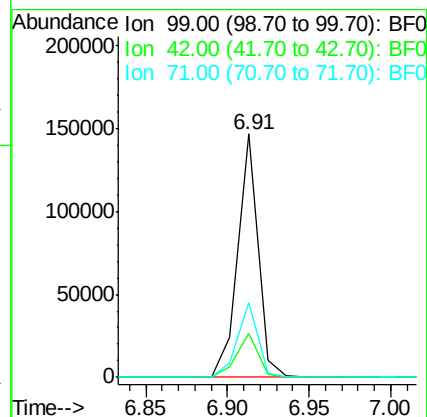
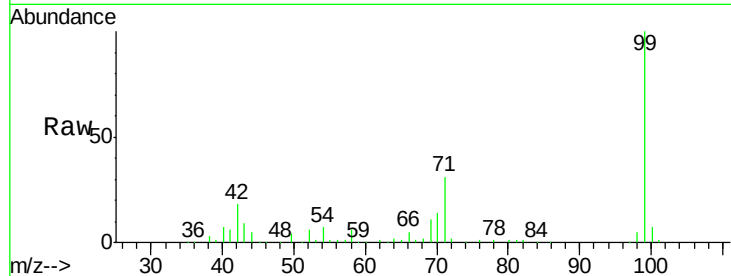
ClientSampleId :

SB-60S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		125964		
42	18.0	12.8	19.2		
71	30.7	23.4	35.2		

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM



#21

Naphthalene-d8

Concen: 20.00 ng

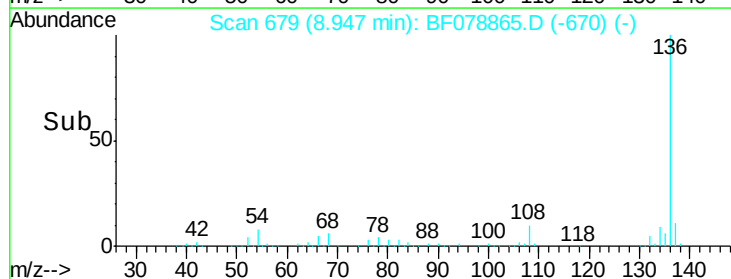
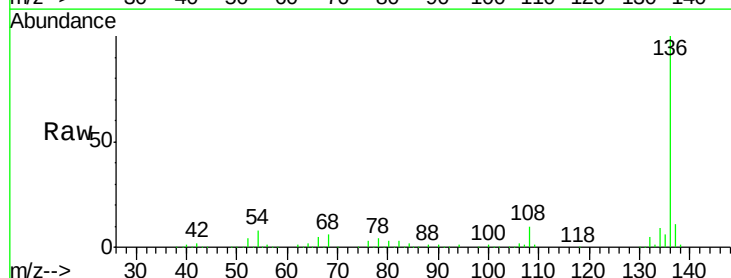
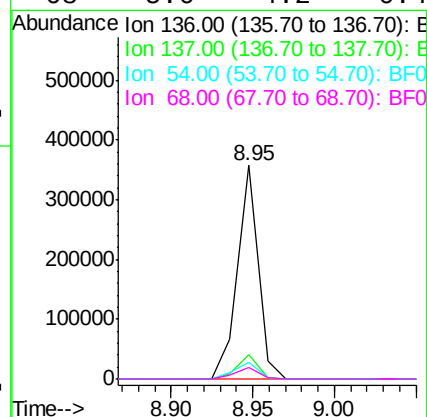
RT: 8.95 min Scan# 679

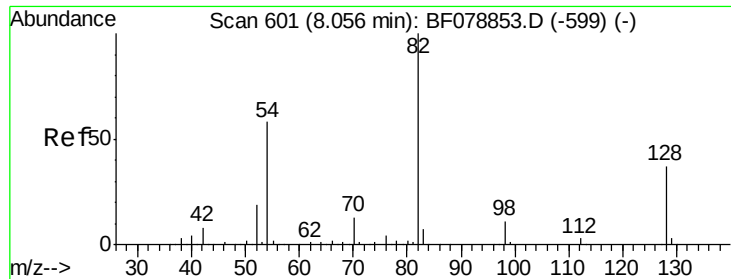
Delta R.T. -0.00 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		312853		
137	11.1	8.7	13.1		
54	7.7	5.8	8.8		
68	5.6	4.2	6.4		





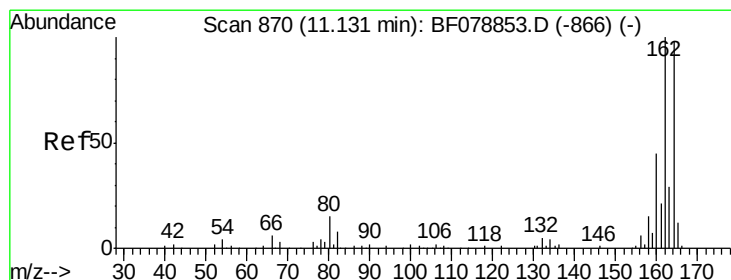
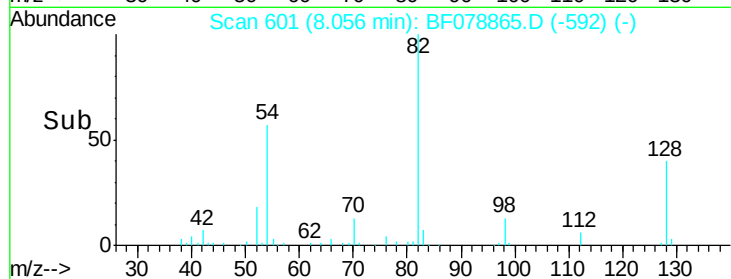
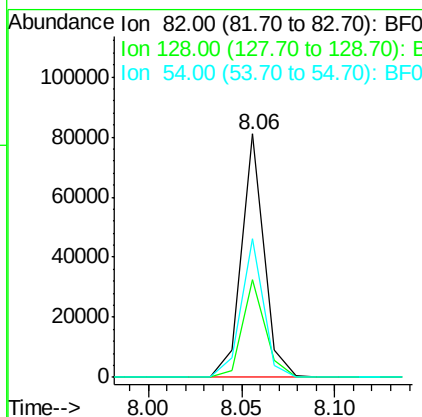
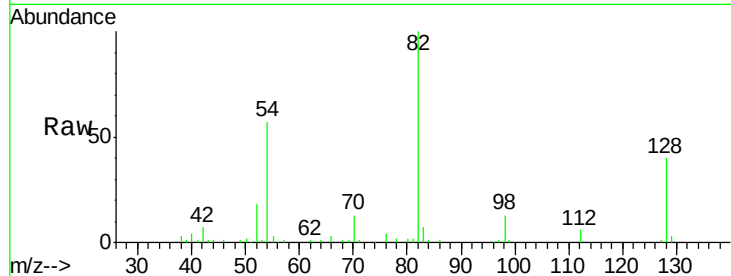
#23
Nitrobenzene-d5
Concen: 12.60 ng
RT: 8.06 min Scan# 601
Delta R.T. -0.00 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Instrument :
BNA_F
ClientSampleId :
SB-60S

Tot Ion	82	Resp	68584
Ion Ratio	100	Lower	Upper
128	40.2	30.0	45.0
54	56.8	46.4	69.6

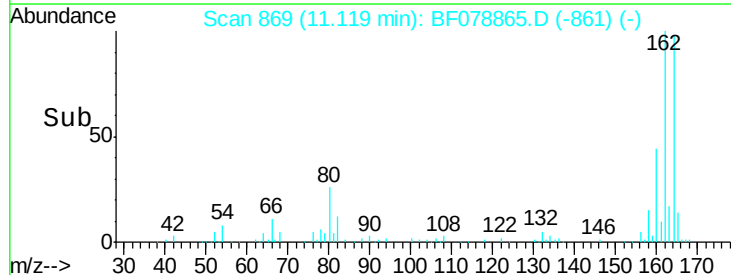
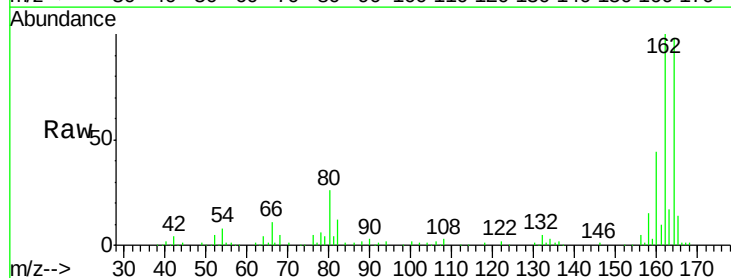
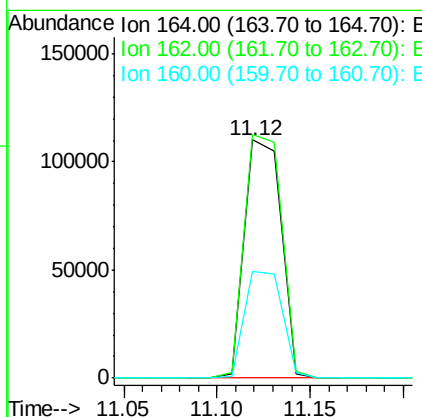
Manual Integrations
APPROVED

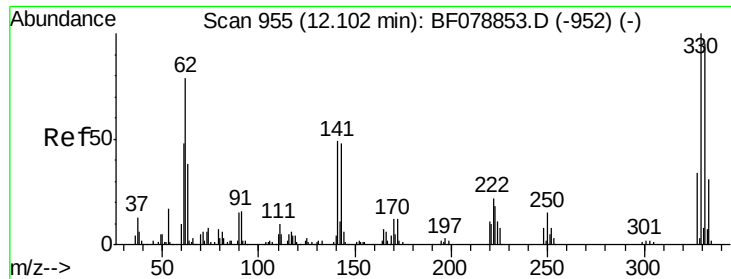
apatel
5/1/2015 4:43:57 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Tgt Ion	164	Resp	150372
Ion Ratio	100	Lower	Upper
162	102.2	82.7	124.1
160	45.0	35.8	53.8





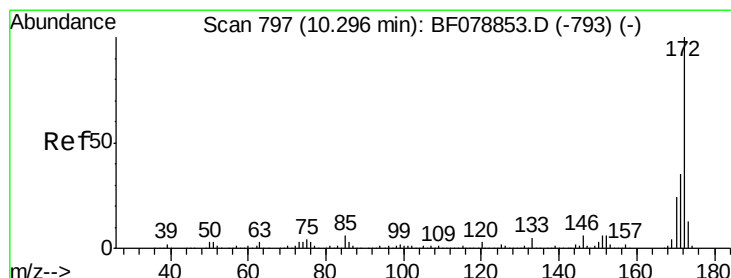
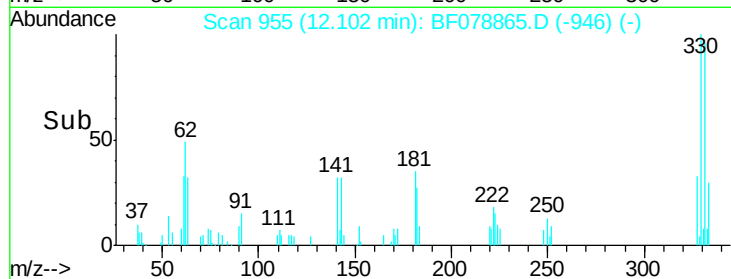
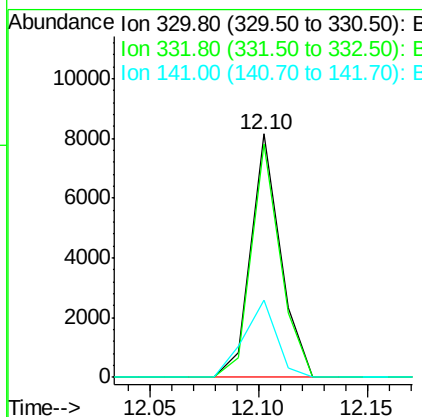
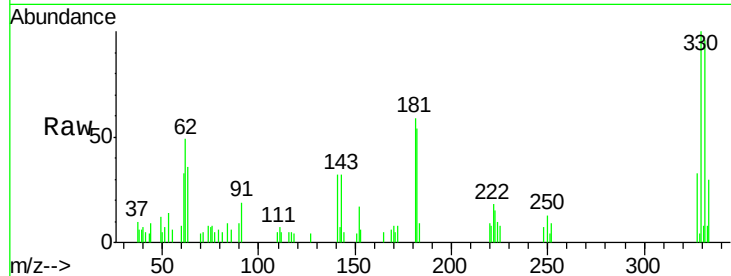
#41
 2,4,6-Tribromophenol
 Concen: 4.76 ng
 RT: 12.10 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Instrument :
 BNA_F
 ClientSampled :
 SB-60S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	7740		
332	94.1	0.0	0.0	0.0
141	34.8	0.0	0.0	0.0

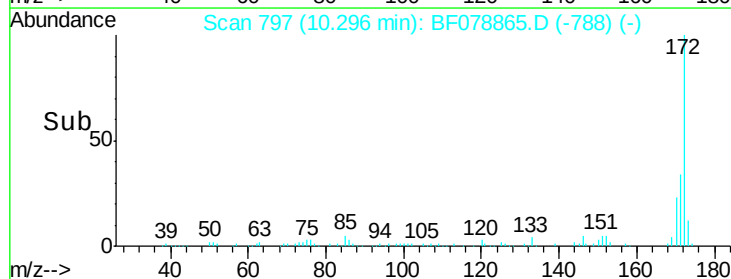
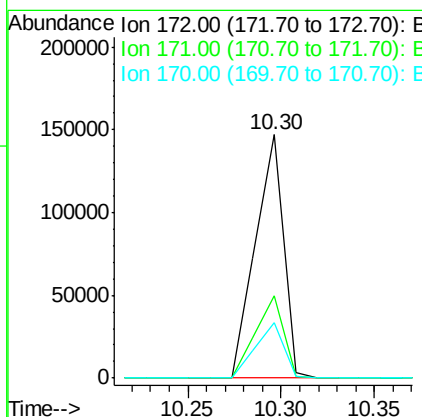
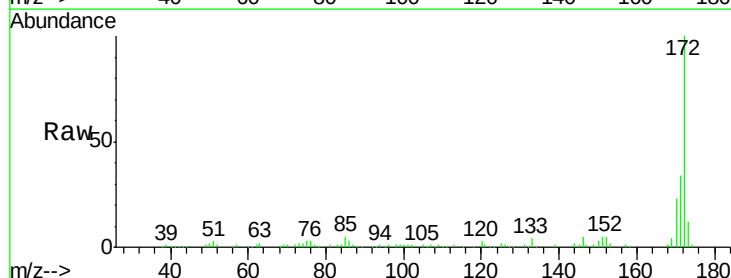
Manual Integrations
 APPROVED

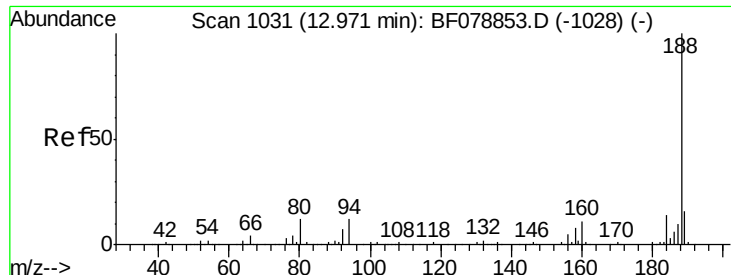
apatel
 5/1/2015 4:43:57 PM



#44
 2-Fluorobiphenyl
 Concen: 14.22 ng
 RT: 10.30 min Scan# 797
 Delta R.T. -0.00 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	153437		
171	33.6	27.9	41.9	
170	22.6	19.4	29.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Instrument :

BNA_F

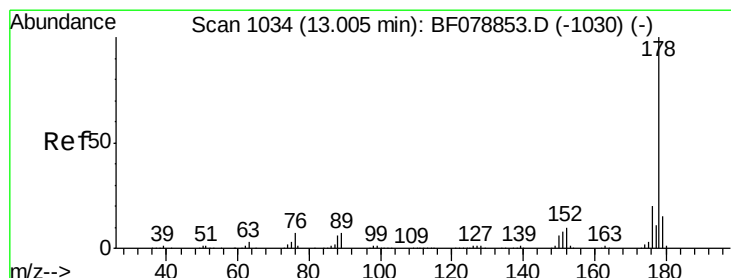
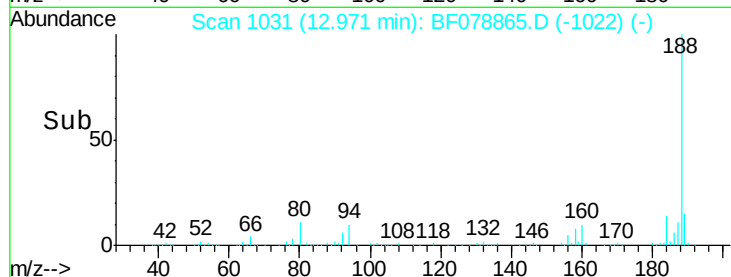
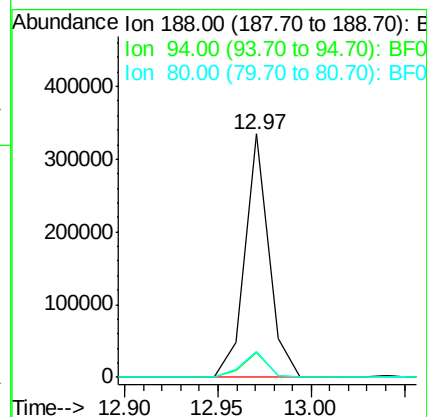
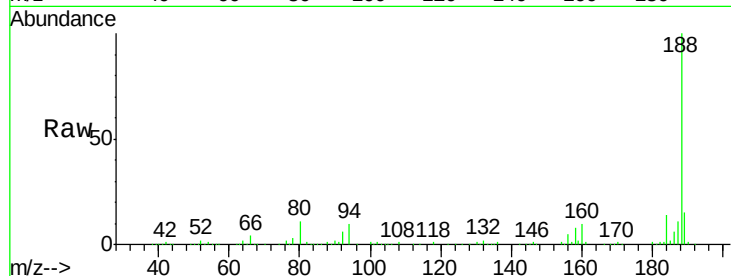
ClientSampleId :

SB-60S

Tot Ion:	188	Resp:	299875
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.2	12.2
80	10.9	8.9	13.3

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM



#70

Phenanthrene

Concen: 15.75 ng

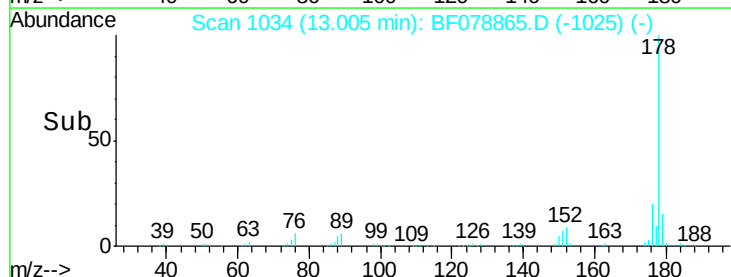
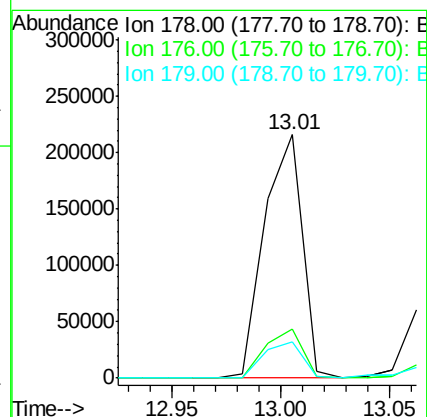
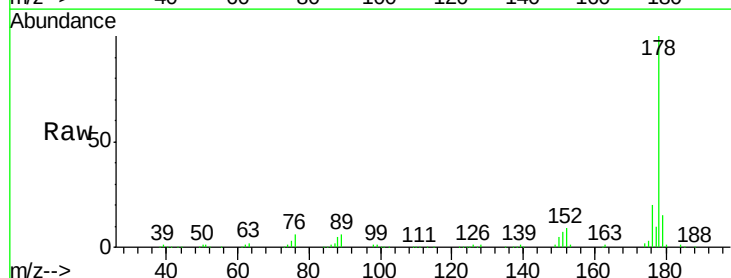
RT: 13.01 min Scan# 1034

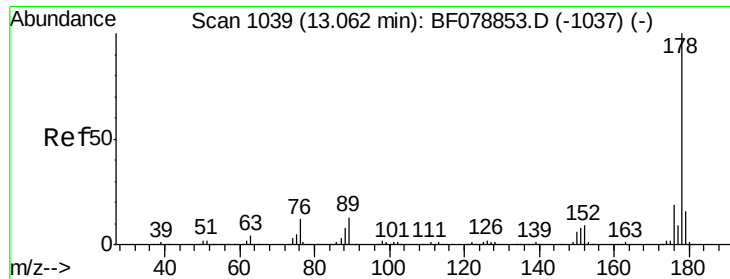
Delta R.T. -0.00 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Tgt Ion:	178	Resp:	264157
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	14.8	12.5	18.7





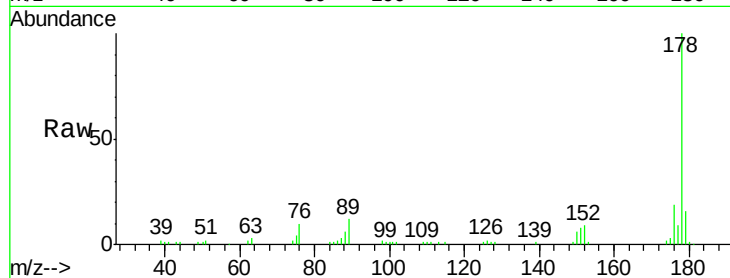
#71
 Anthracene
 Concen: 3.41 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Instrument :
 BNA_F
 ClientSampled :
 SB-60S

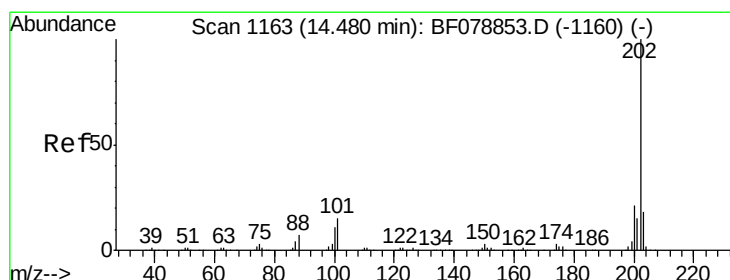
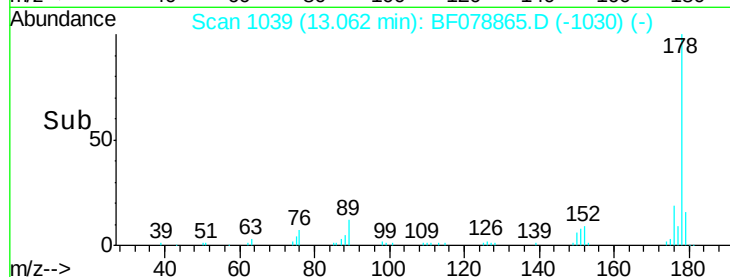
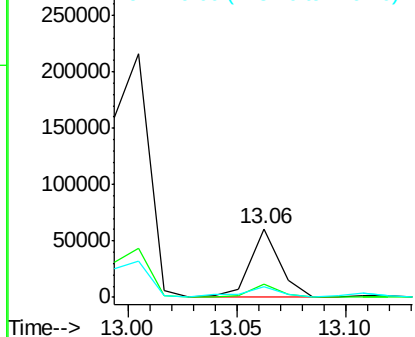
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	16.3	12.7	19.1

Manual Integrations
 APPROVED

apatel
 5/1/2015 4:43:57 PM

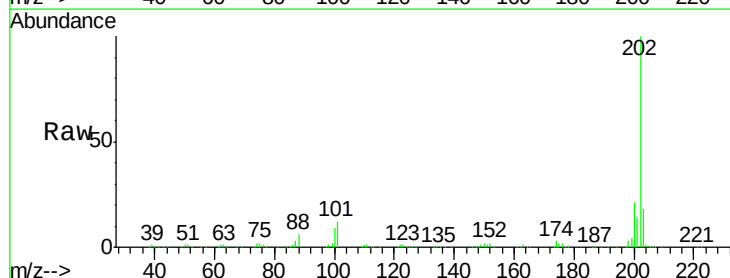


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

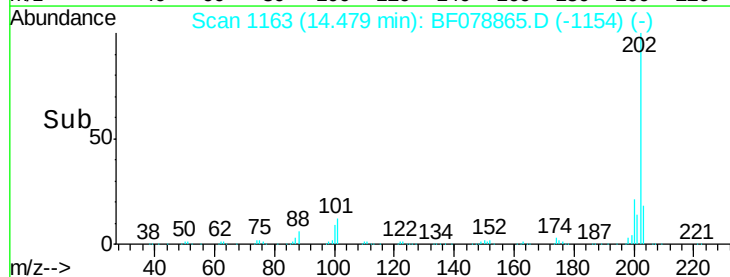
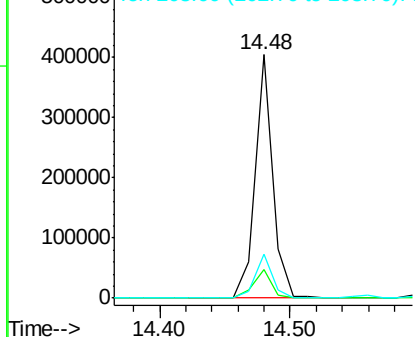


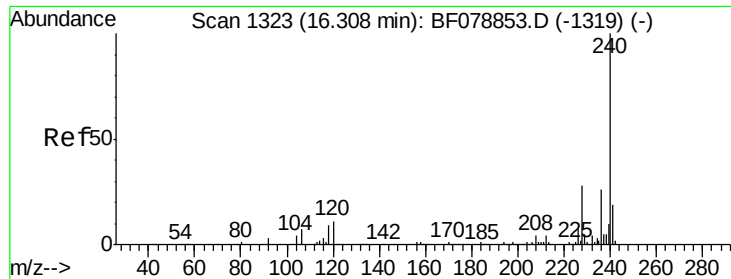
#74
 Fluoranthene
 Concen: 21.76 ng
 RT: 14.48 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.6
203	17.9	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Instrument :

BNA_F

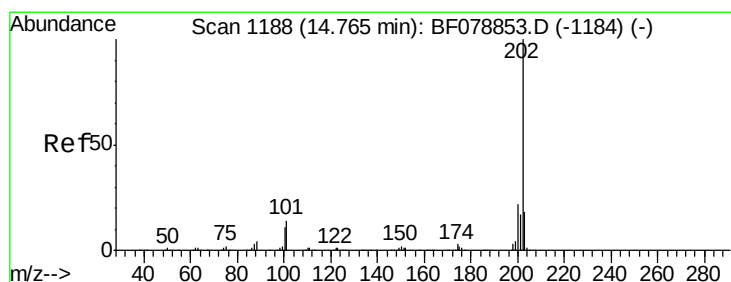
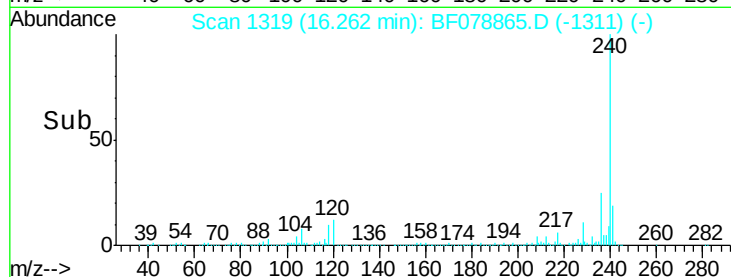
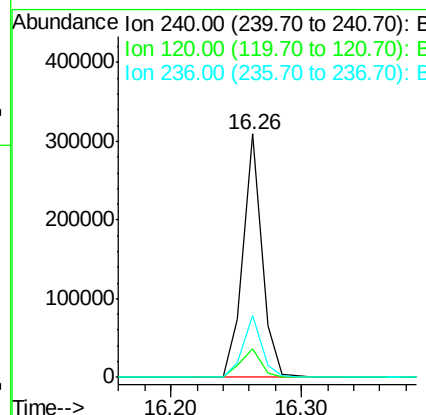
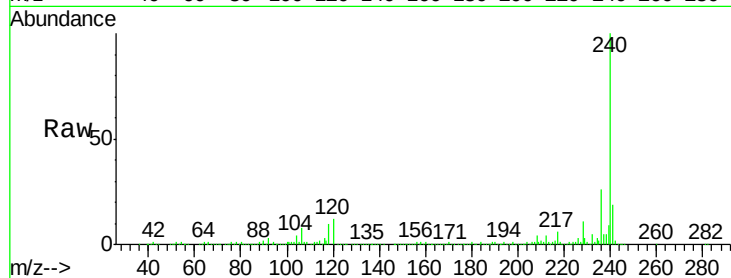
ClientSampleId :

SB-60S

Tot Ion:	240	Resp:	314971
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.7	14.5
236	25.6	20.2	30.4

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM



#77

Pyrene

Concen: 20.66 ng

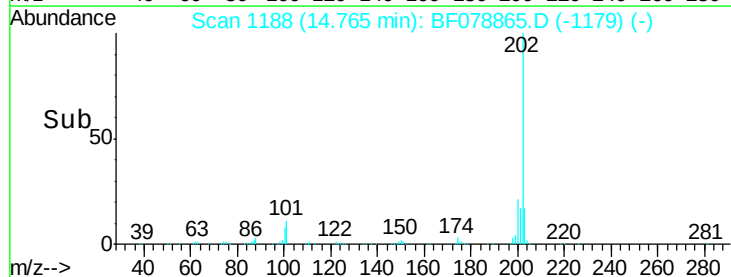
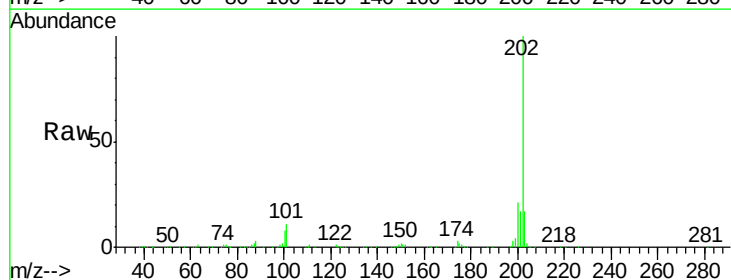
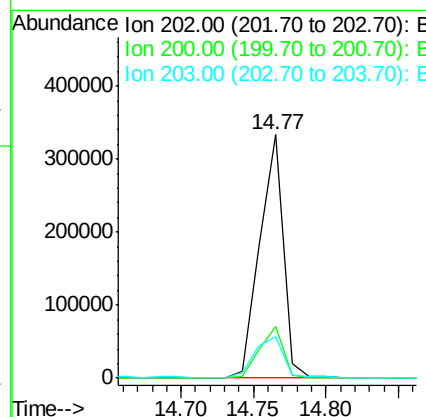
RT: 14.77 min Scan# 1188

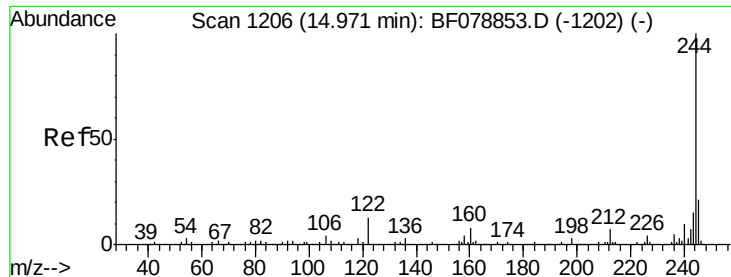
Delta R.T. -0.00 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Tgt Ion:	202	Resp:	375001
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.5	26.3
203	17.2	13.9	20.9





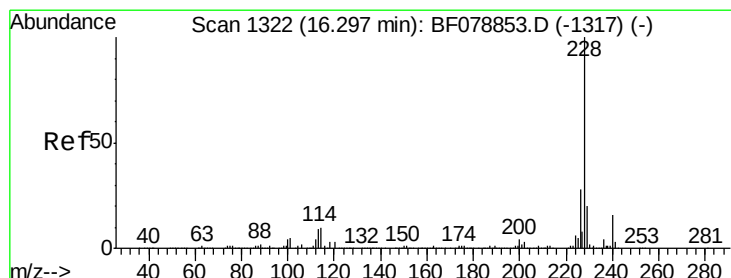
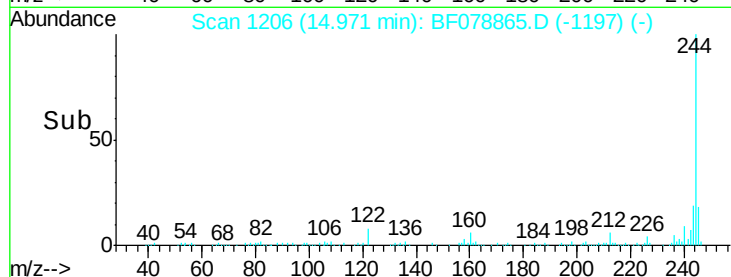
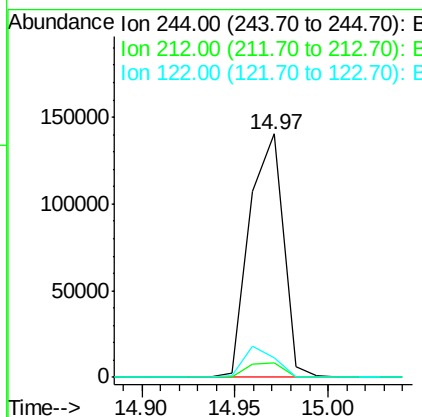
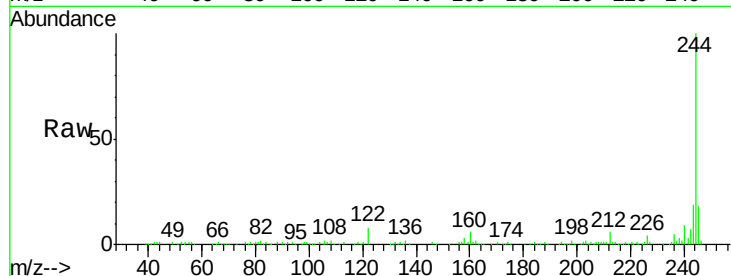
#78
 Terphenyl-d14
 Concen: 13.40 ng
 RT: 14.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-60S

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.8	5.6	8.4
122	8.0	10.3	15.5

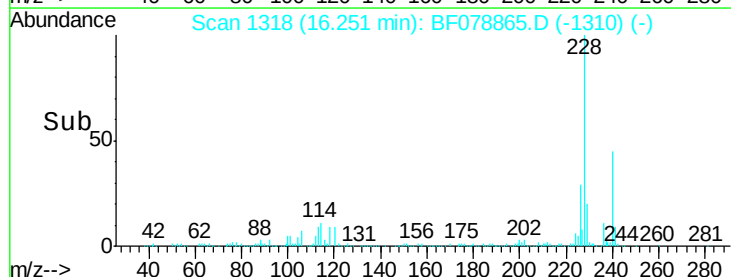
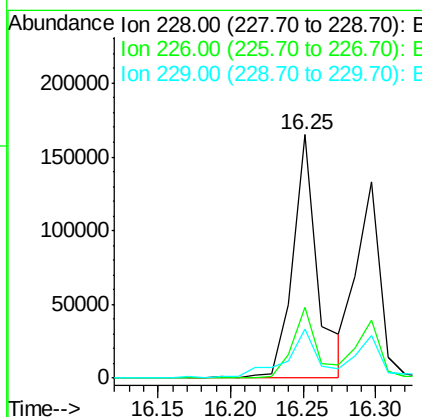
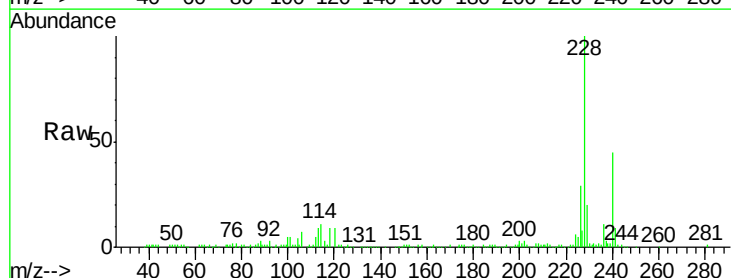
Manual Integrations
 APPROVED

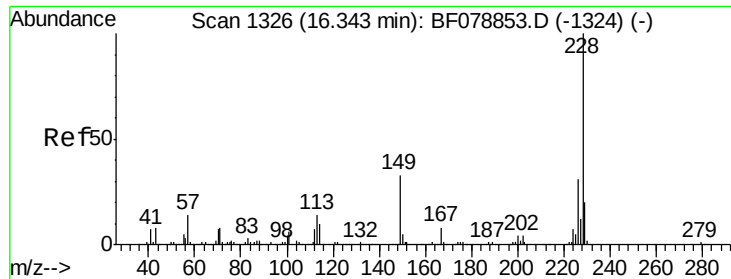
apatel
 5/1/2015 4:43:57 PM



#80
 Benzo(a)anthracene
 Concen: 11.26 ng
 RT: 16.25 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.3	15.9	23.9





#82

Chrysene

Concen: 8.96 ng

RT: 16.30 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Instrument :

BNA_F

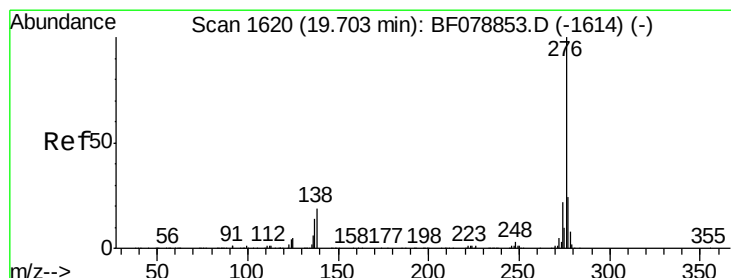
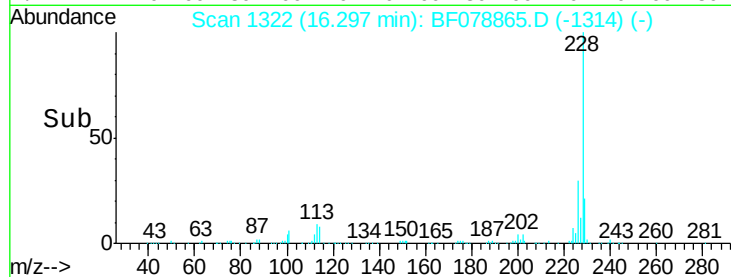
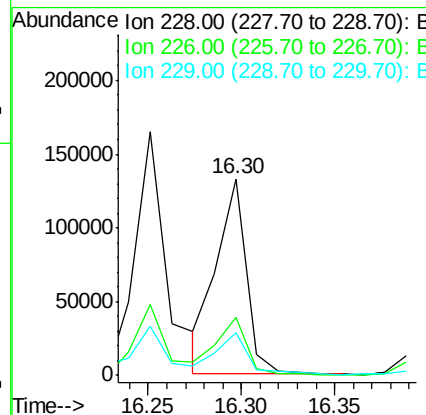
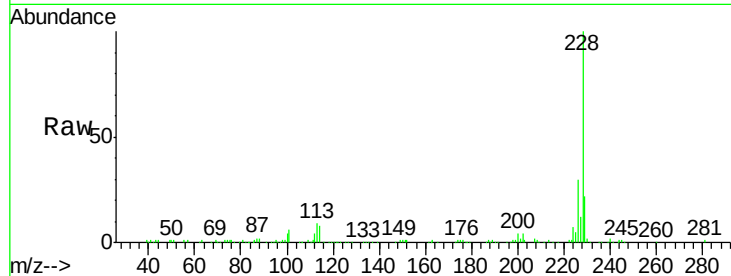
ClientSampleId :

SB-60S

Tot Ion:	228	Resp:	148666
Ion Ratio		Lower	Upper
228	100		
226	29.8	24.9	37.3
229	21.7	16.0	24.0

Manual Integrations
APPROVED

apatel
5/1/2015 4:43:57 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.75 ng

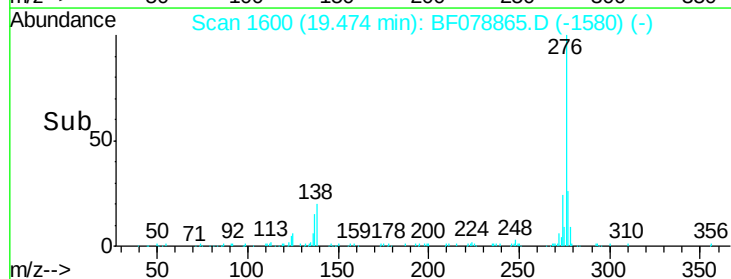
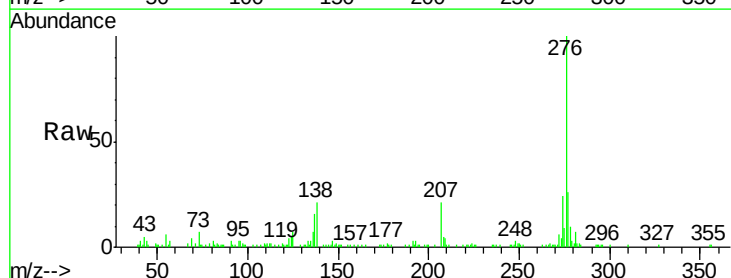
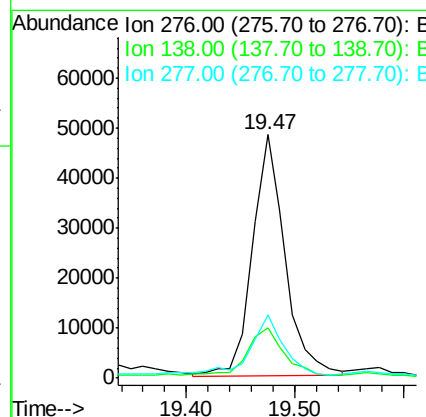
RT: 19.47 min Scan# 1600

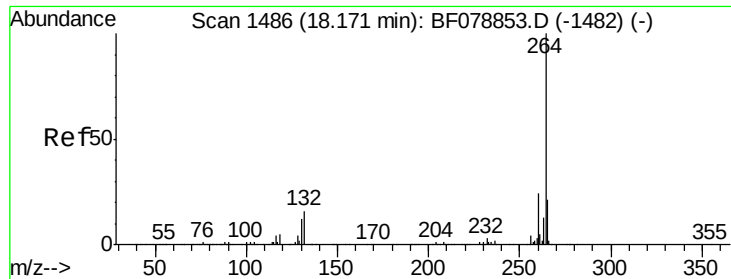
Delta R.T. -0.07 min

Lab File: BF078865.D

Acq: 30 Apr 2015 23:41

Tgt Ion:	276	Resp:	100344
Ion Ratio		Lower	Upper
276	100		
138	26.8	0.0	0.0#
277	28.6	0.0	0.0#





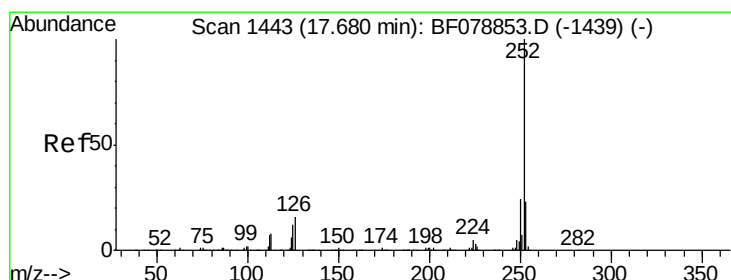
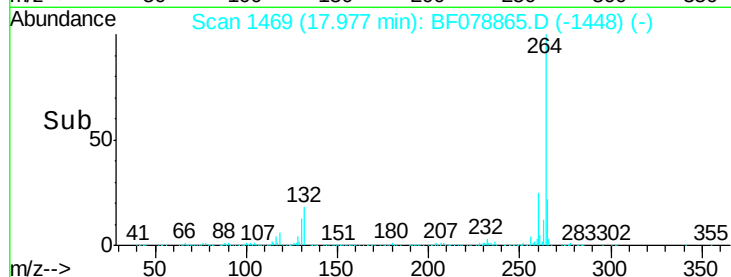
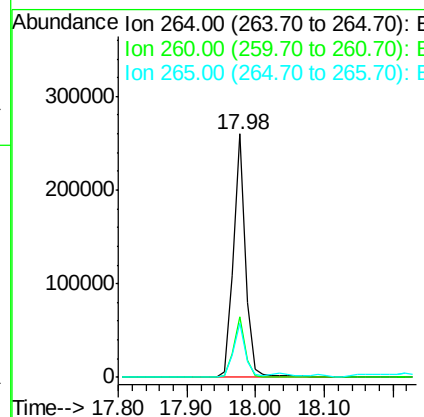
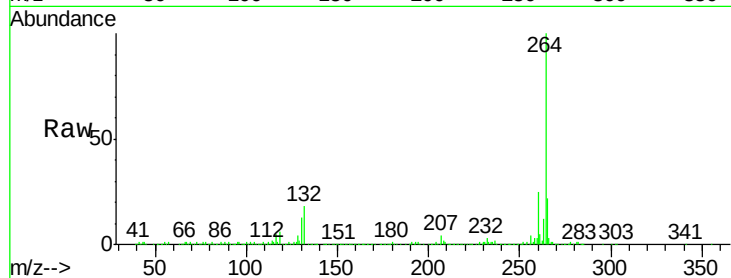
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.98 min Scan# 1469
Delta R.T. -0.06 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Instrument :
BNA_F
ClientSampleId :
SB-60S

Tot Ion	Ratio	Resp	Lower	Upper
264	100	328519		
260	24.8		19.4	29.2
265	22.4		18.3	27.5

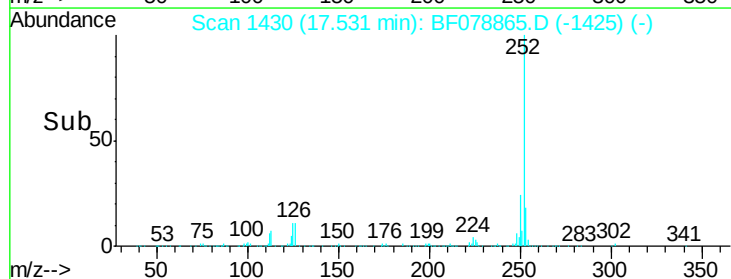
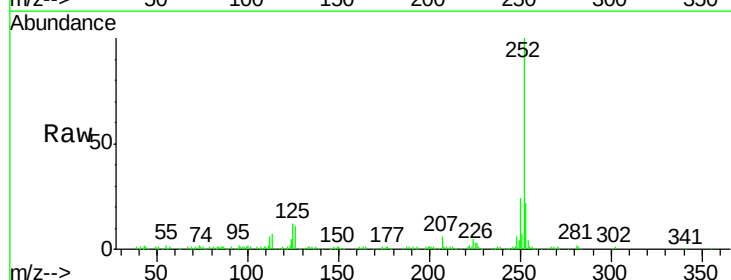
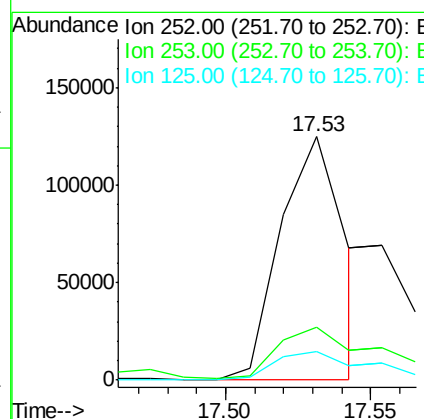
Manual Integrations
APPROVED

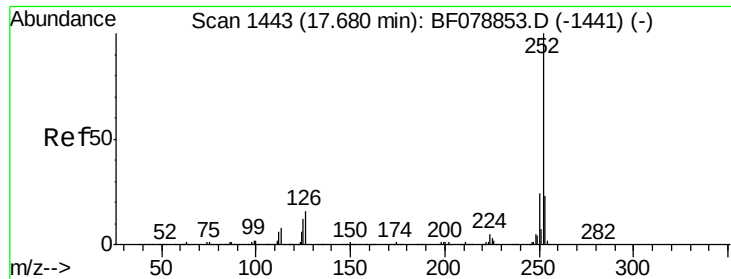
apatel
5/1/2015 4:43:57 PM



#87
Benzo(b)fluoranthene
Concen: 10.83 ng m
RT: 17.53 min Scan# 1430
Delta R.T. -0.05 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	194784		
253	21.8		17.7	26.5
125	11.6		9.5	14.3





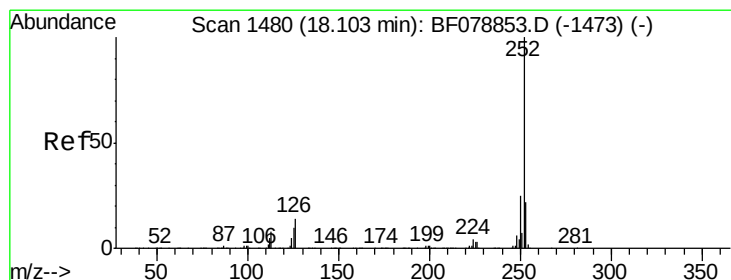
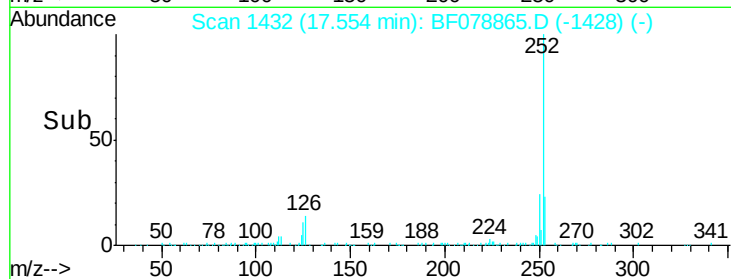
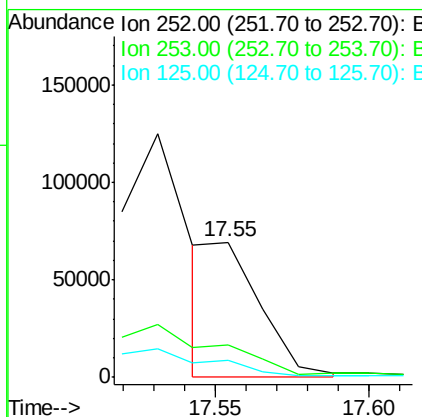
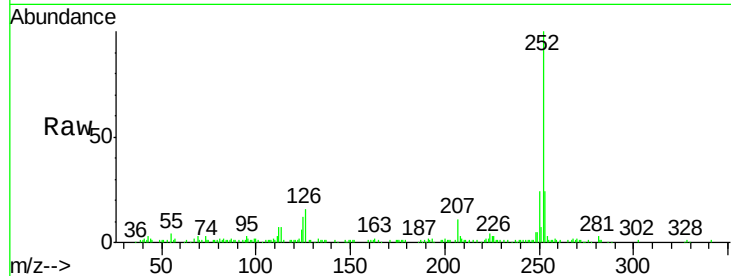
#88
Benzo(k)fluoranthene
Concen: 4.42 ng m
RT: 17.55 min Scan# 1432
Delta R.T. -0.06 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Instrument :
BNA_F
ClientSampleId :
SB-60S

Tot Ion:	252	Resp:	76941
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	12.3	10.0	15.0

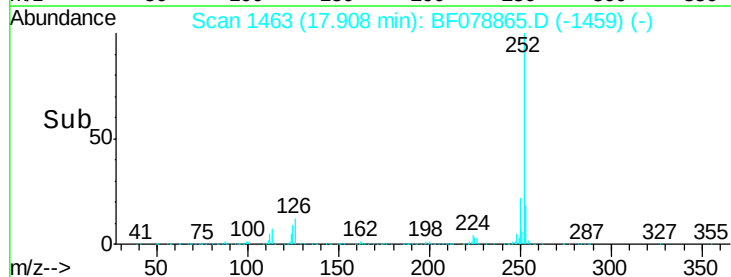
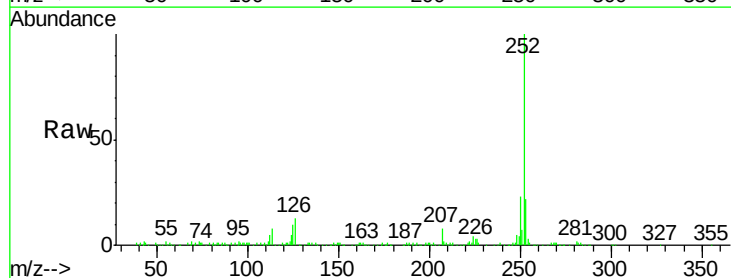
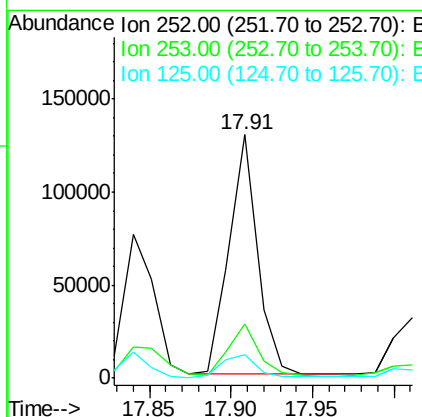
Manual Integrations
APPROVED

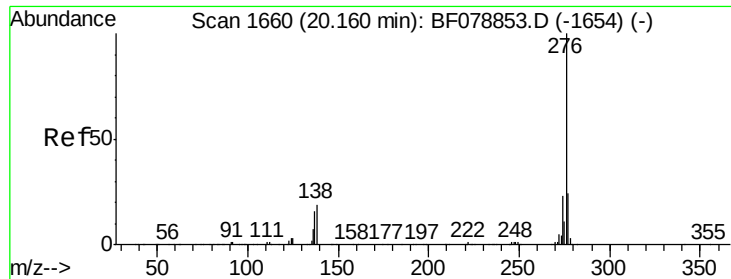
apatel
5/1/2015 4:43:57 PM



#89
Benzo(a)pyrene
Concen: 9.39 ng
RT: 17.91 min Scan# 1463
Delta R.T. -0.06 min
Lab File: BF078865.D
Acq: 30 Apr 2015 23:41

Tgt Ion:	252	Resp:	155442
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.3	25.9
125	9.6	7.0	10.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.65 ng
 RT: 19.92 min Scan# 1639
 Delta R.T. -0.08 min
 Lab File: BF078865.D
 Acq: 30 Apr 2015 23:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-60S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	21.7	17.4	26.0

Manual Integrations
 APPROVED

apatel
 5/1/2015 4:43:57 PM

