

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079011.D
 Acq On : 7 May 2015 22:29
 Operator : TP/IZ
 Sample : G2084-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8

Manual Integrations
 APPROVED

apatel
 5/8/2015 3:51:19 PM

Quant Time: May 08 11:40:22 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	7.35	152	65654	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	274411	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	135145	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	275262	20.00	ng	0.01
75) Chrysene-d12	16.25	240	313970	20.00	ng	-0.02
86) Perylene-d12	18.03	264	321492	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	338087	88.64	ng	0.01
7) Phenol-d6	6.90	99	472733	93.77	ng	0.01
23) Nitrobenzene-d5	8.03	82	266356	55.79	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	126378	86.44	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	522013	53.81	ng	0.00
78) Terphenyl-d14	14.95	244	679335	51.80	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.77	163	27119	2.73	ng	99
70) Phenanthrene	12.97	178	78269	5.08	ng	99
74) Fluoranthene	14.46	202	182151	11.35	ng	96
77) Pyrene	14.74	202	153285	8.47	ng	97
80) Benzo(a)anthracene	16.24	228	115273m	6.70	ng	
82) Chrysene	16.29	228	143558m	8.68	ng	
85) Indeno(1,2,3-cd)pyrene	19.54	276	86002	4.08	ng	# 100
87) Benzo(b)fluoranthene	17.58	252	198878m	11.30	ng	
88) Benzo(k)fluoranthene	17.60	252	63519m	3.73	ng	
89) Benzo(a)pyrene	17.97	252	102613	6.33	ng	# 96
91) Benzo(g,h,i)perylene	19.99	276	79160	4.59	ng	98

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

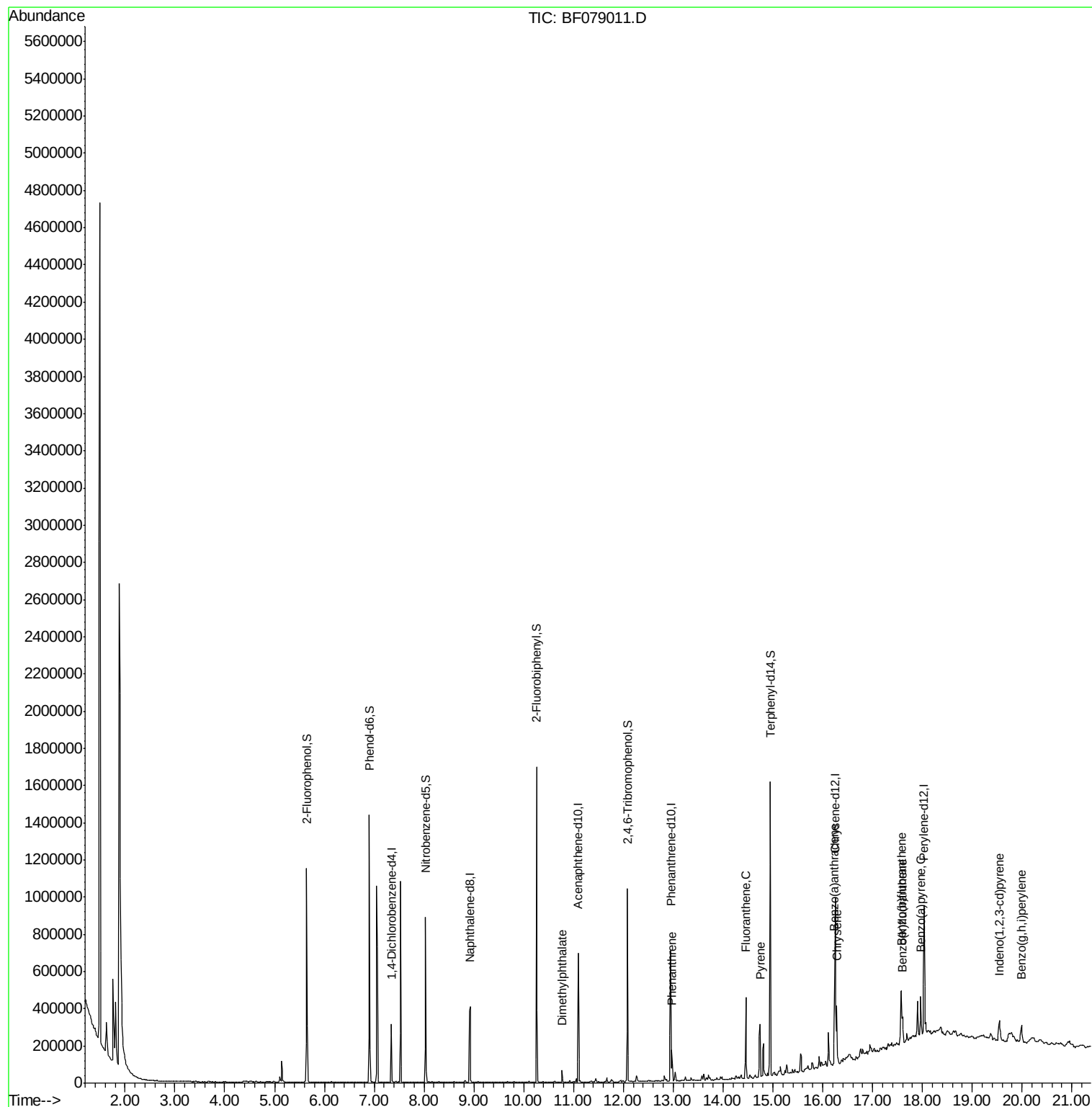
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079011.D
Acq On : 7 May 2015 22:29
Operator : TP/IZ
Sample : G2084-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

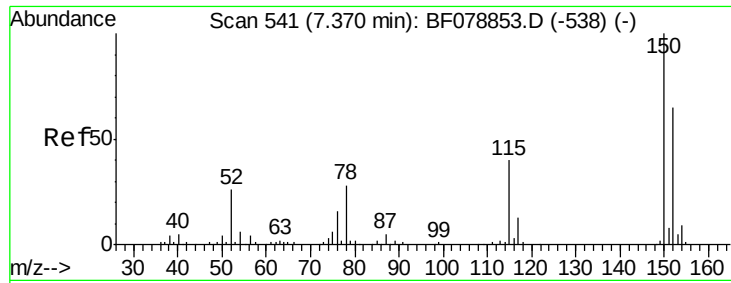
Instrument :
BNA_F
ClientSampleId :
8

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM

Quant Time: May 08 11:40:22 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





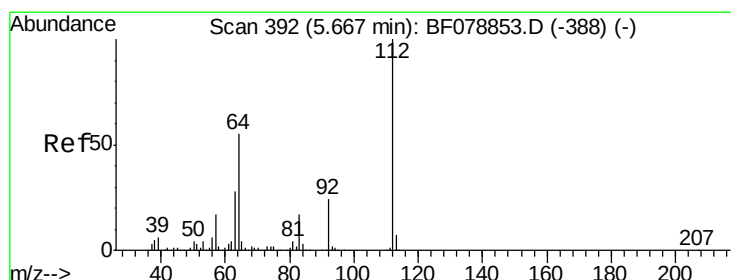
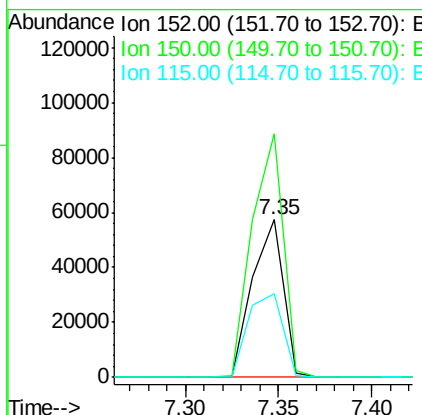
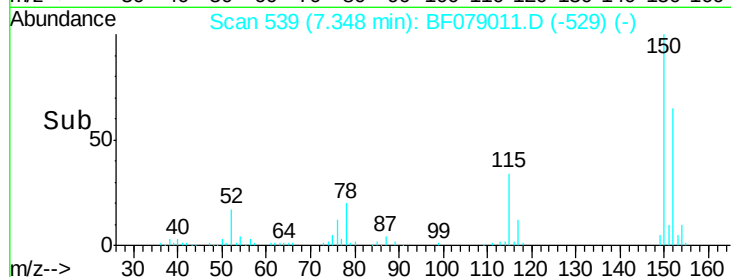
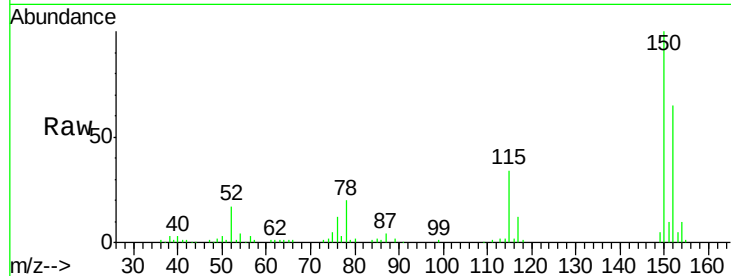
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Instrument :
 BNA_F
 ClientSampled :
 8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.0	183.0
115	53.0	46.3	69.5

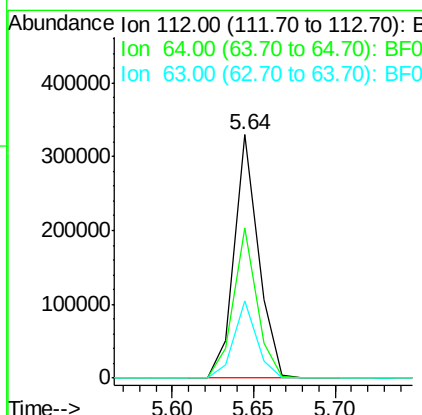
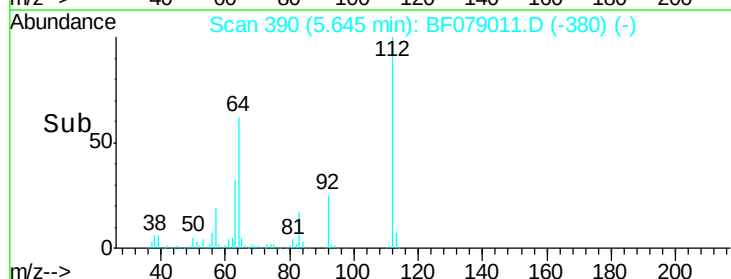
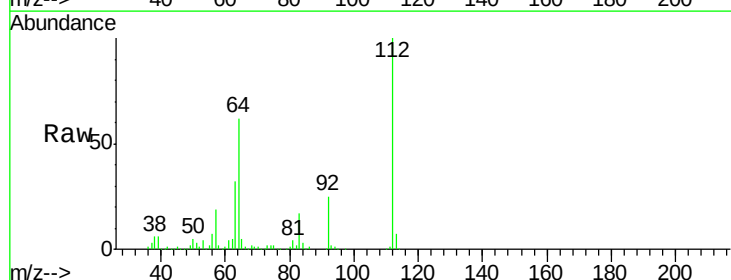
Manual Integrations
 APPROVED

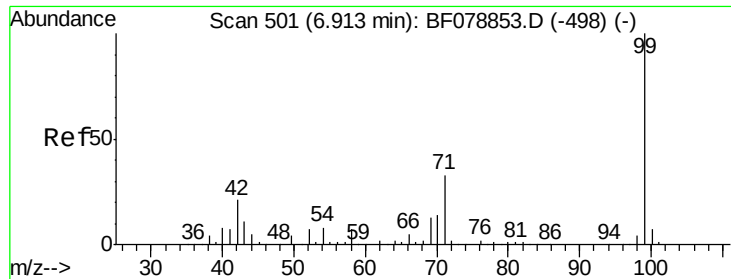
apatel
 5/8/2015 3:51:19 PM



#5
 2-Fluorophenol
 Concen: 88.64 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	53.5	80.3
63	31.7	27.5	41.3





#7

Phenol-d6

Concen: 93.77 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

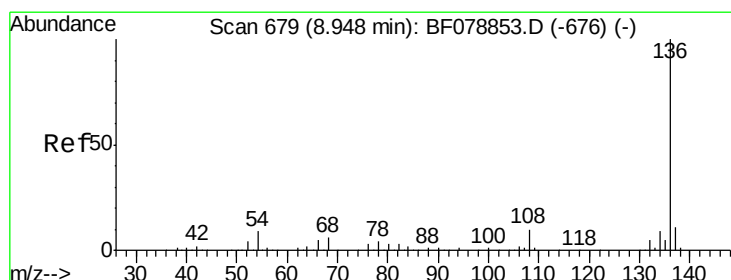
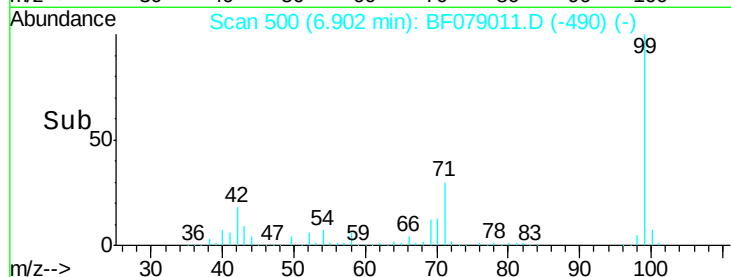
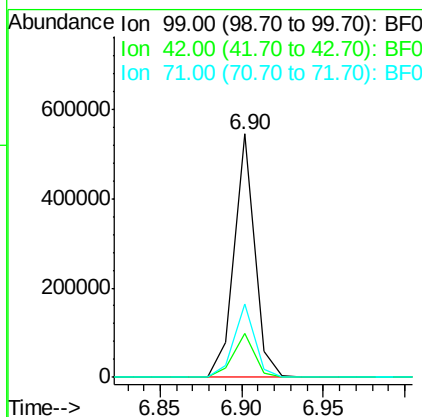
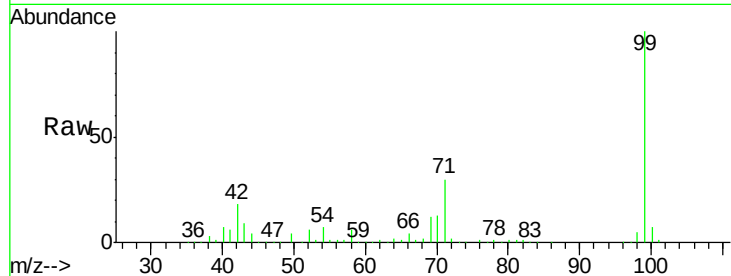
ClientSampled :

8

Tot Ion:	99	Resp:	472733
Ion Ratio	Lower	Upper	
99	100		
42	17.8	12.8	19.2
71	30.4	23.4	35.2

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM



#21

Naphthalene-d8

Concen: 20.00 ng

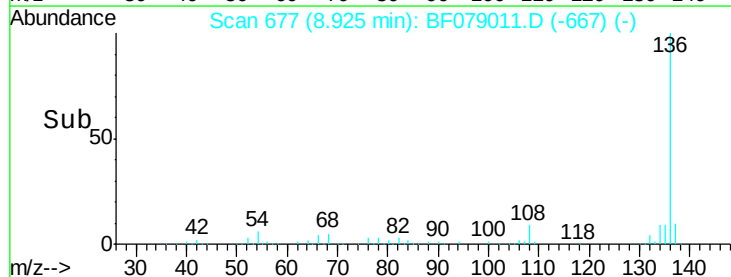
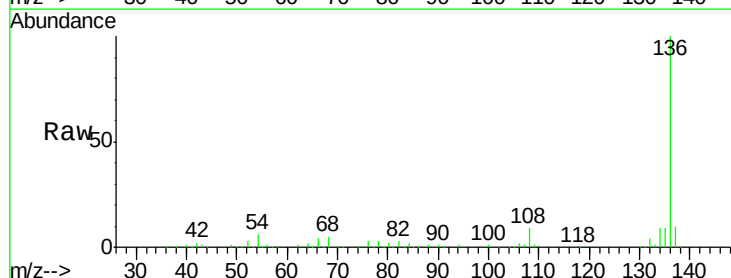
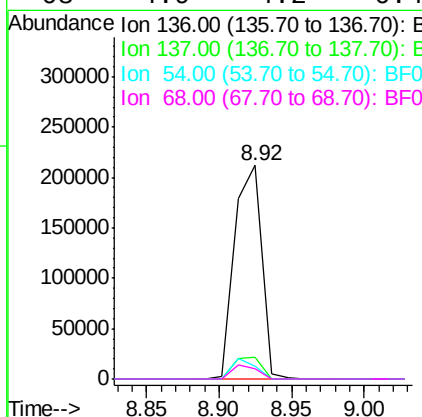
RT: 8.92 min Scan# 677

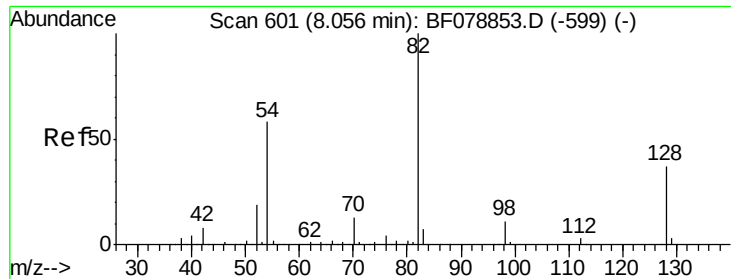
Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Tgt Ion:	136	Resp:	274411
Ion Ratio	Lower	Upper	
136	100		
137	9.9	8.7	13.1
54	5.8	5.8	8.8#
68	4.9	4.2	6.4





#23

Nitrobenzene-d5

Concen: 55.79 ng

RT: 8.03 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

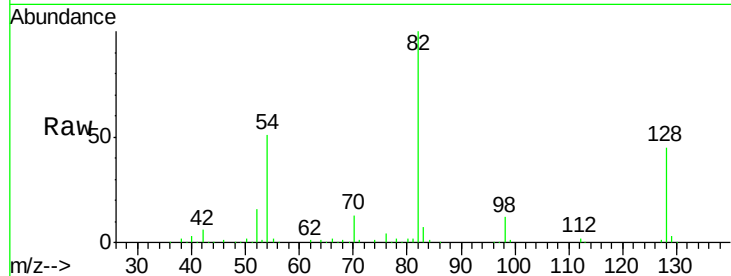
ClientSampleId :

8

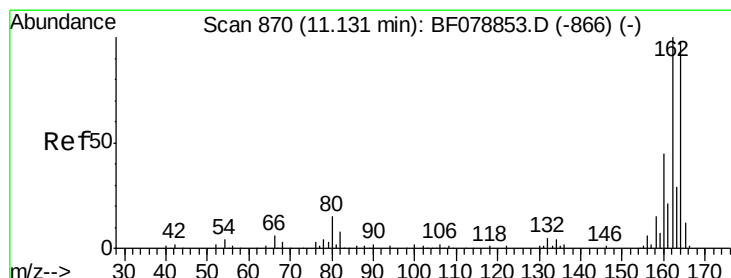
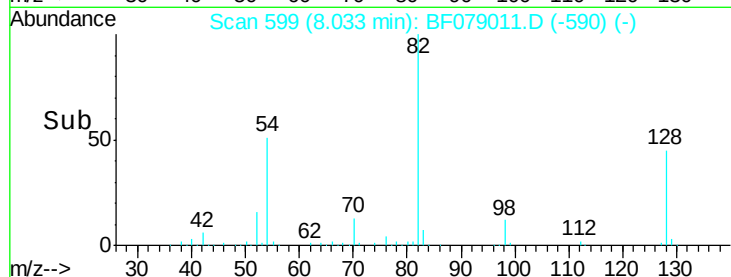
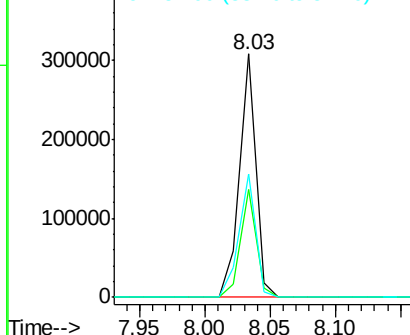
Tot Ion	82	Resp	266356
Ion Ratio	Lower	Upper	
82	100		
128	44.5	30.0	45.0
54	50.8	46.4	69.6

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 867

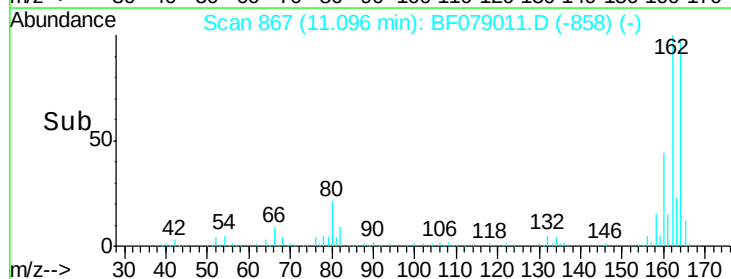
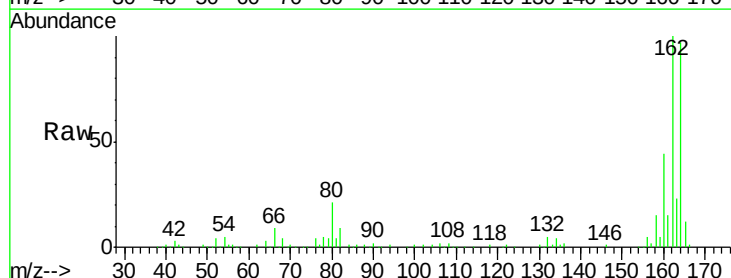
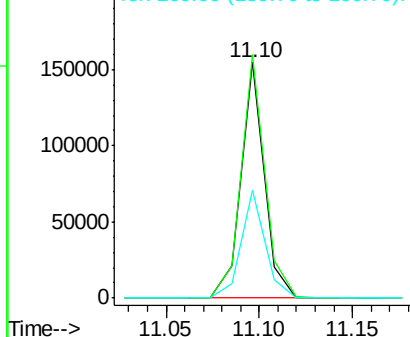
Delta R.T. 0.00 min

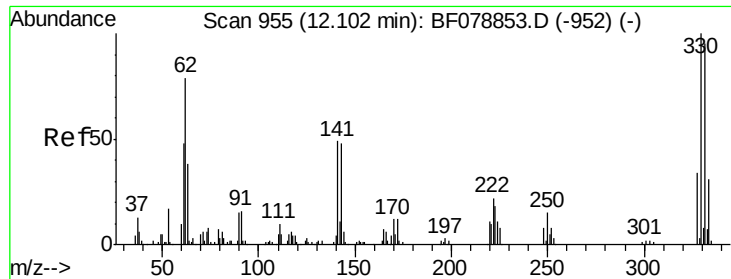
Lab File: BF079011.D

Acq: 7 May 2015 22:29

Tgt Ion	164	Resp	135145
Ion Ratio	Lower	Upper	
164	100		
162	103.3	82.7	124.1
160	45.7	35.8	53.8

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





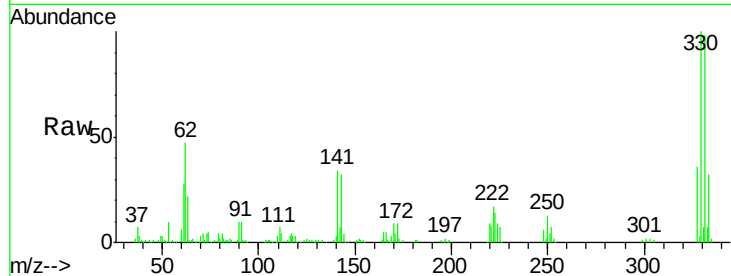
#41
 2,4,6-Tribromophenol
 Concen: 86.44 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Instrument :
 BNA_F
 ClientSampled :
 8

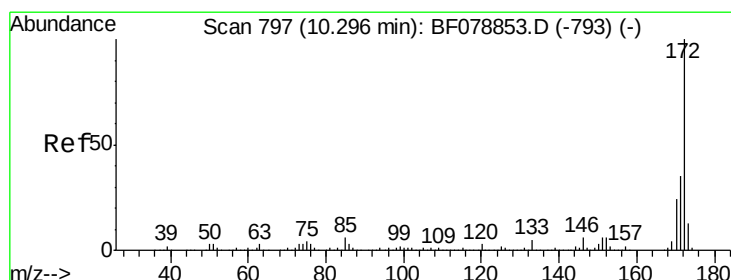
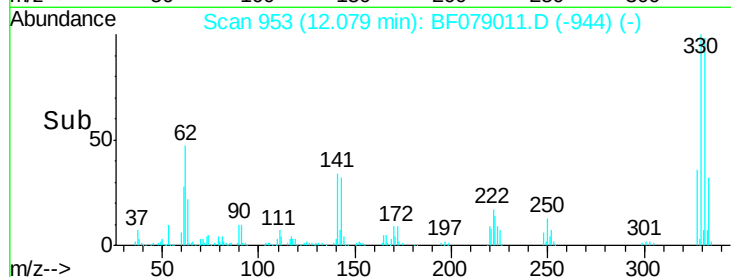
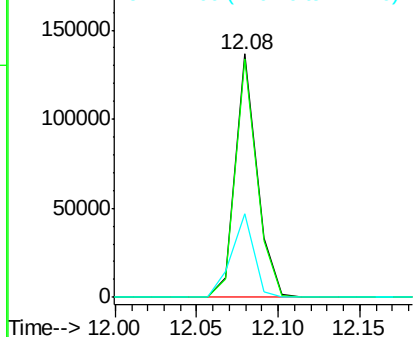
Tot Ion	Ratio	Resp	Lower	Upper
330	100	126378		
332	96.3	0.0	0.0	0.0
141	35.4	0.0	0.0	0.0

Manual Integrations
 APPROVED

apatel
 5/8/2015 3:51:19 PM

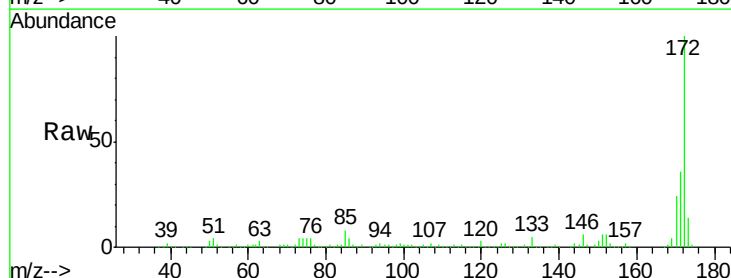


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

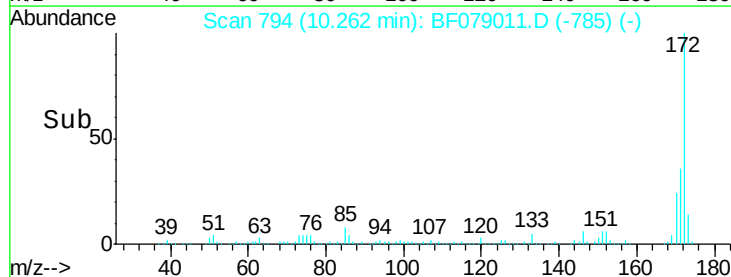
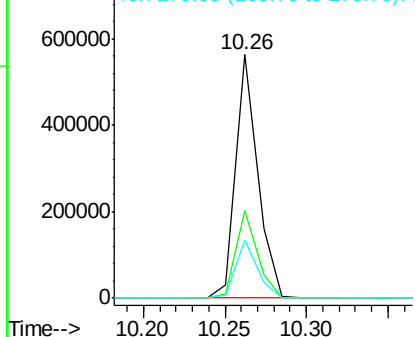


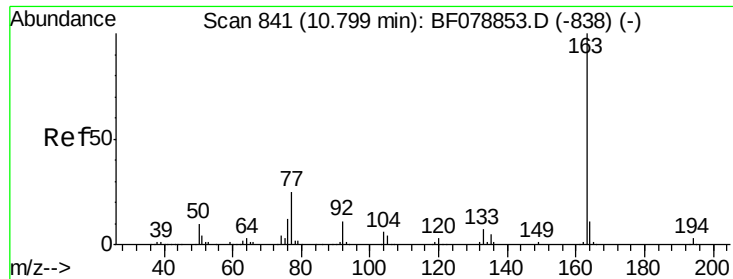
#44
 2-Fluorobiphenyl
 Concen: 53.81 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079011.D
 Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	522013		
171	35.7	27.9	41.9	
170	23.8	19.4	29.0	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





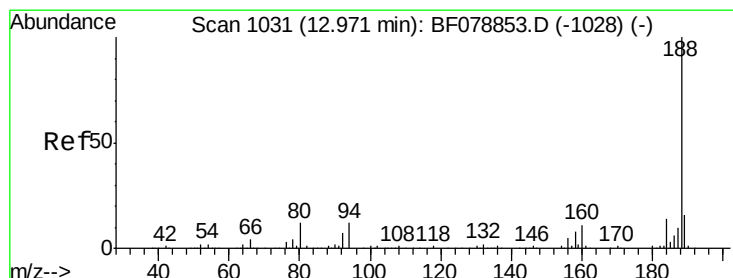
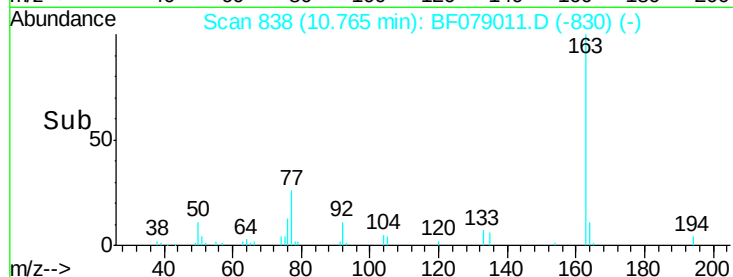
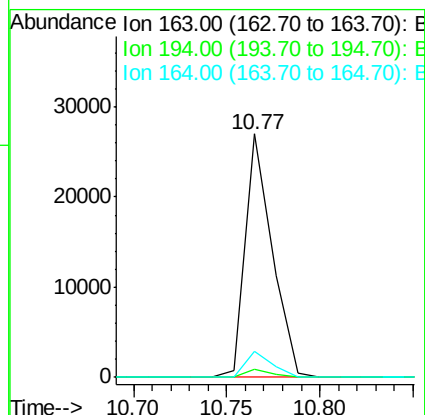
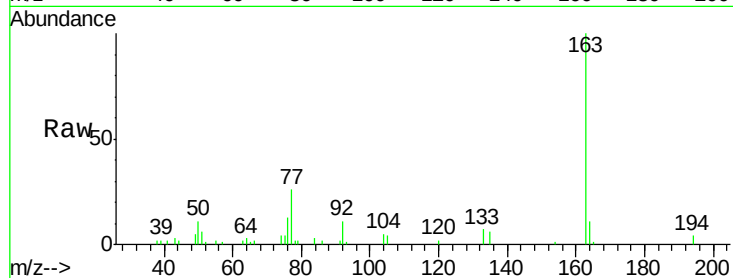
#49
Dimethylphthalate
Concen: 2.73 ng
RT: 10.77 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	27119		
194	3.6		2.6	4.0
164	10.7		8.1	12.1

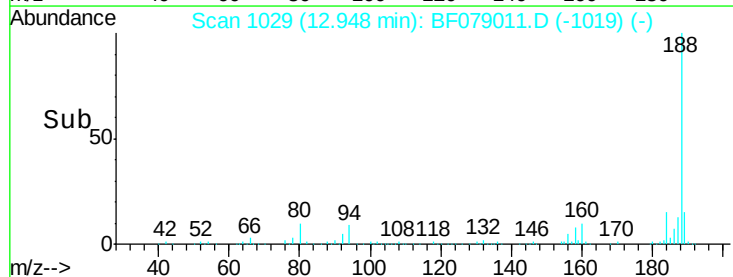
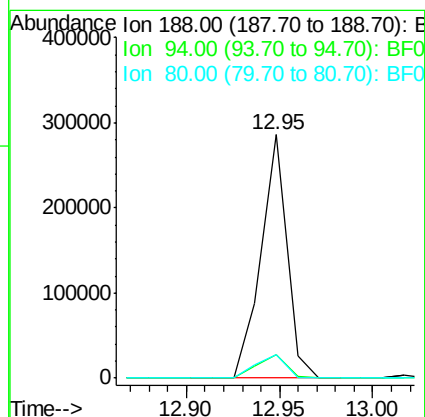
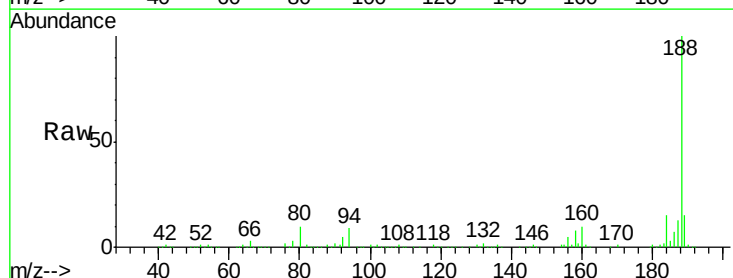
Manual Integrations
APPROVED

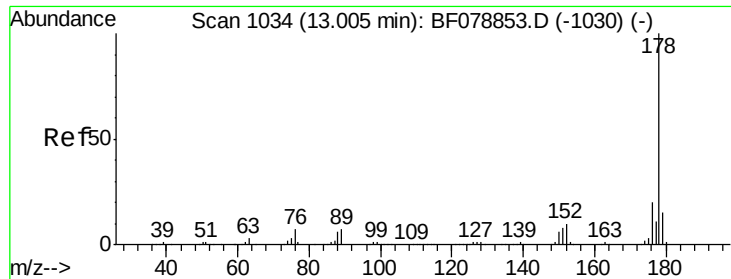
apatel
5/8/2015 3:51:19 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	275262		
94	9.5		8.2	12.2
80	9.7		8.9	13.3





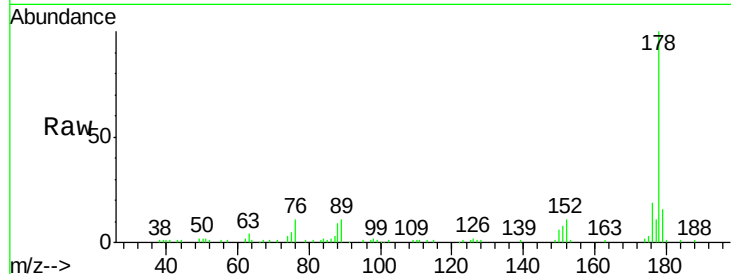
#70
Phenanthrene
Concen: 5.08 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampleId :
8

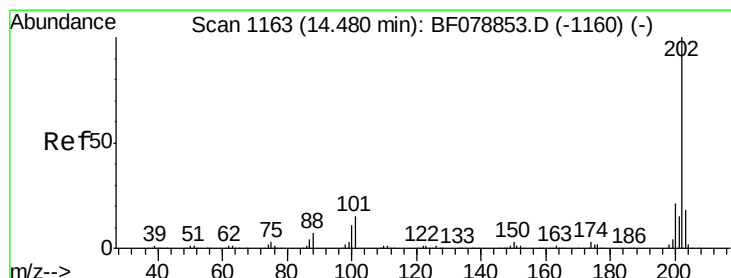
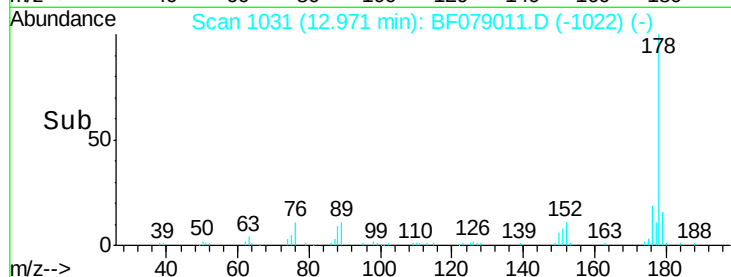
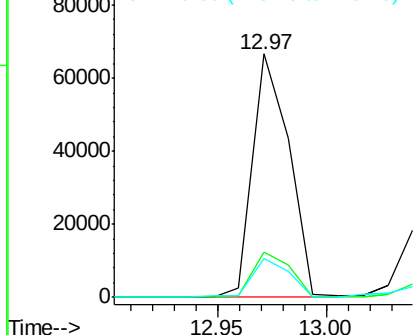
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.9	12.5	18.7

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM



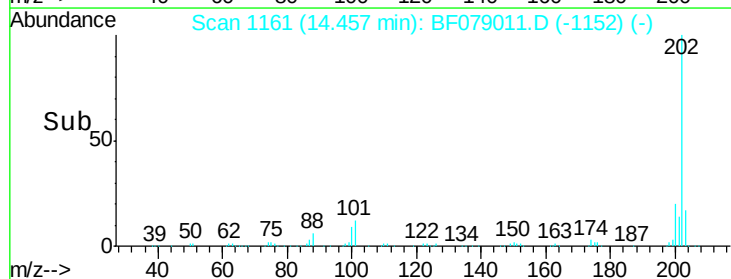
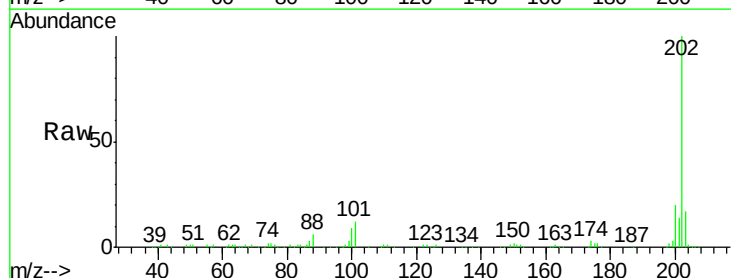
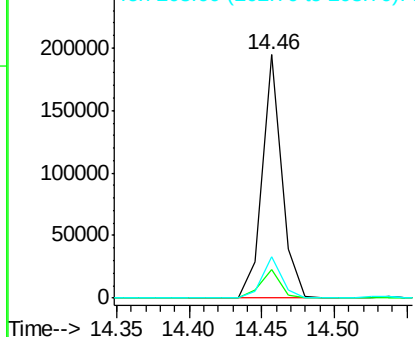
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

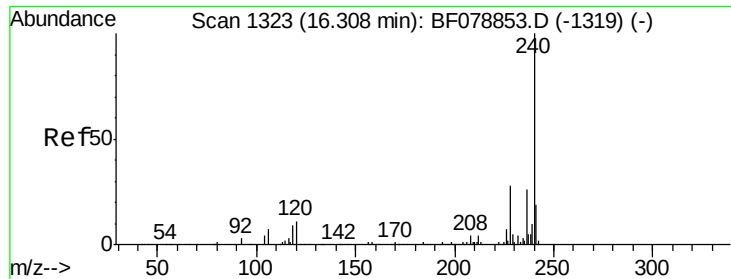


#74
Fluoranthene
Concen: 11.35 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.6
203	17.1	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: 16.25 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

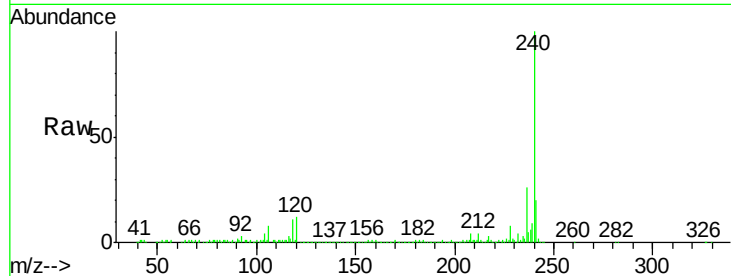
ClientSampleId :

8

Tot Ion:	240	Resp:	313970
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.7	14.5
236	25.9	20.2	30.4

Manual Integrations
APPROVED

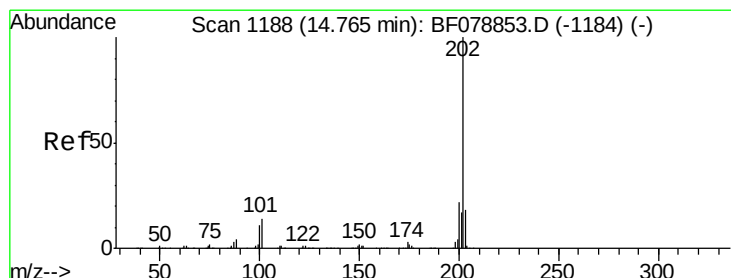
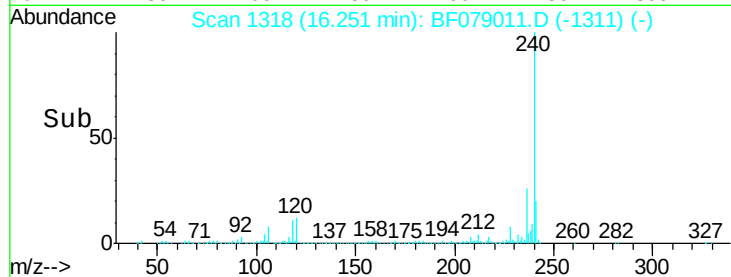
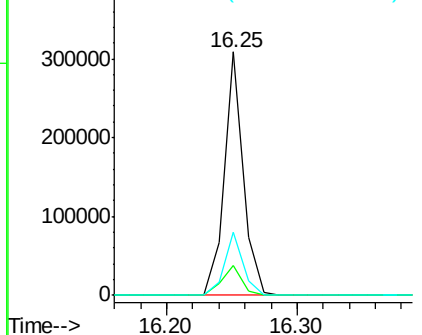
apatel
5/8/2015 3:51:19 PM



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



#77

Pyrene

Concen: 8.47 ng

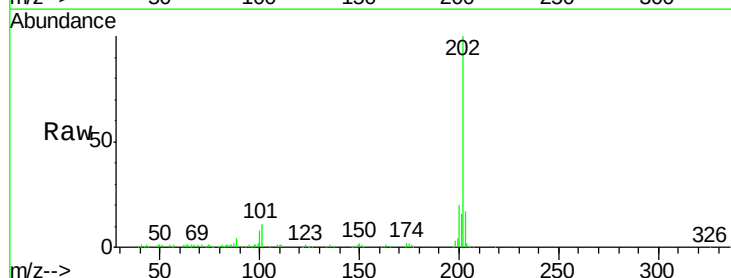
RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

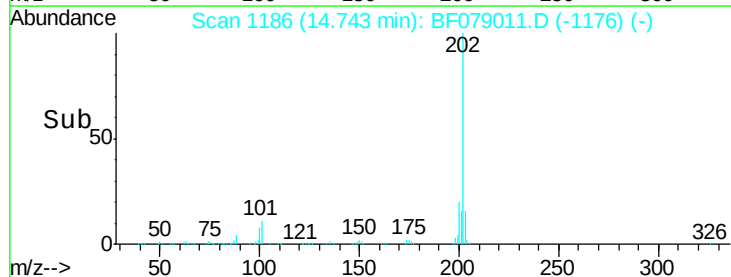
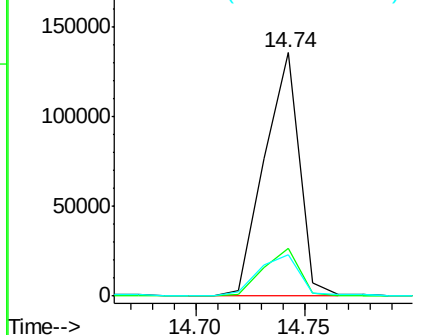
Tgt Ion:	202	Resp:	153285
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.5	26.3
203	17.0	13.9	20.9

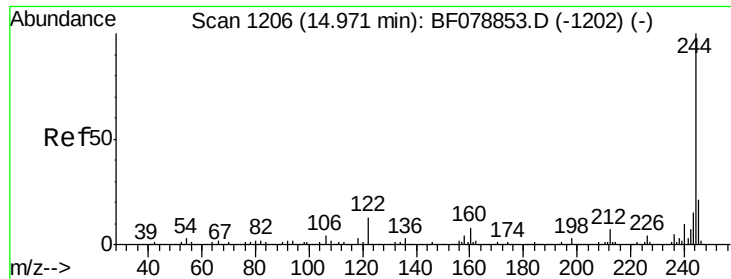


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.80 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Instrument :

BNA_F

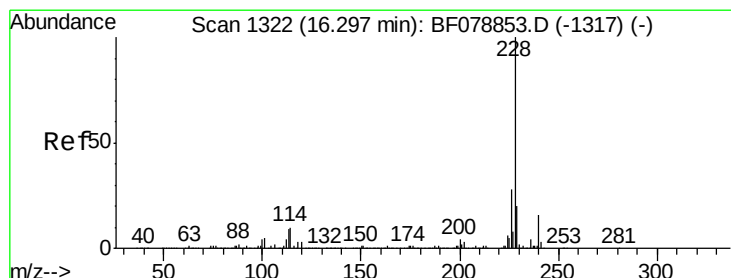
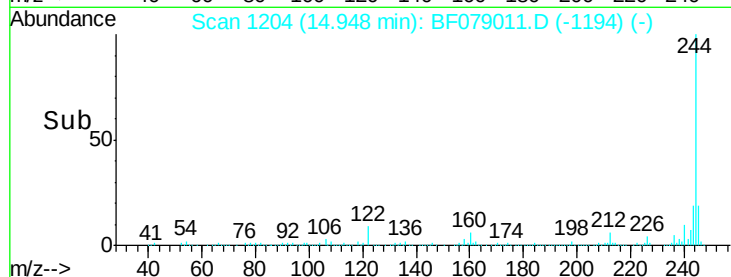
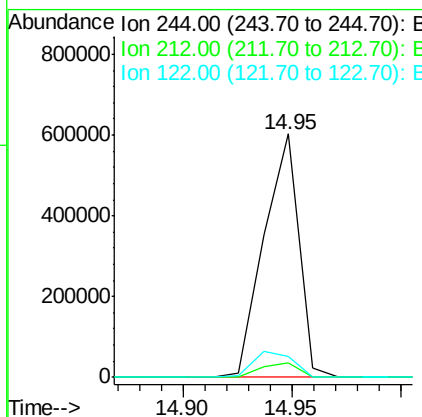
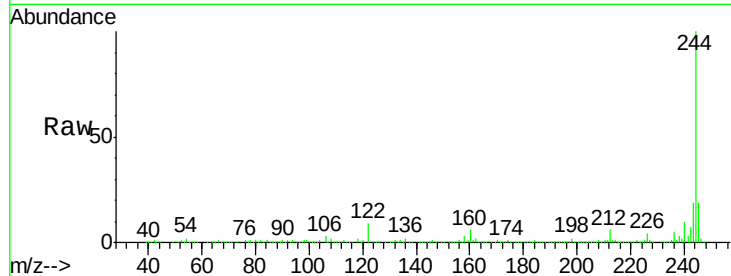
ClientSampleId :

8

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.1	5.6	8.4	
122	8.8	10.3	15.5	

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM



#80

Benzo(a)anthracene

Concen: 6.70 ng m

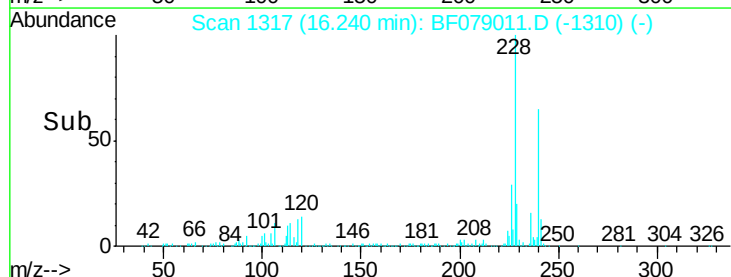
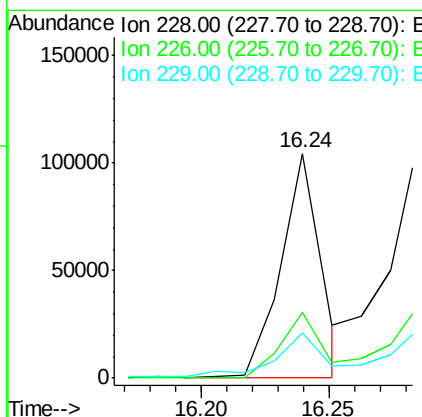
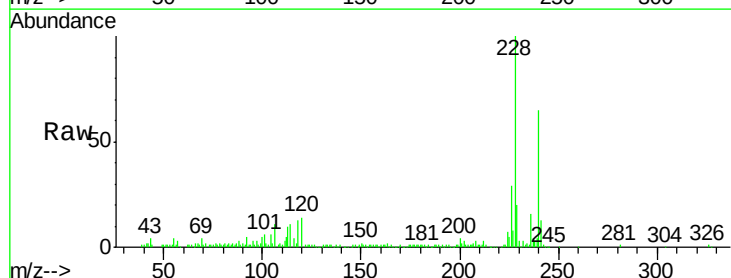
RT: 16.24 min Scan# 1317

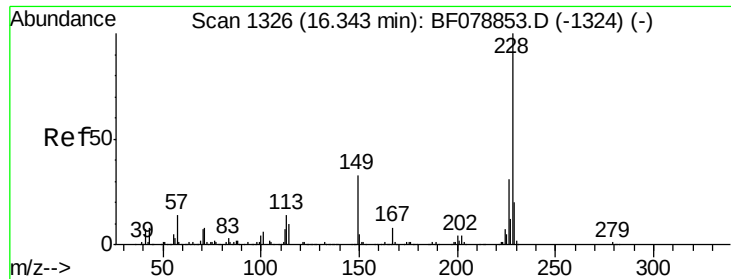
Delta R.T. -0.02 min

Lab File: BF079011.D

Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.0	22.6	33.8	
229	20.1	15.9	23.9	





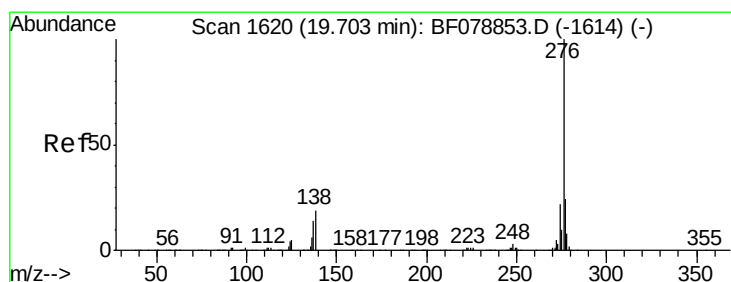
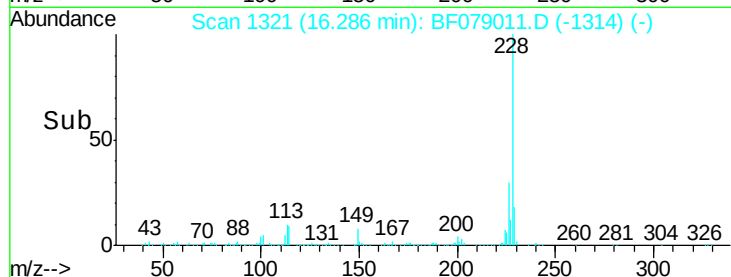
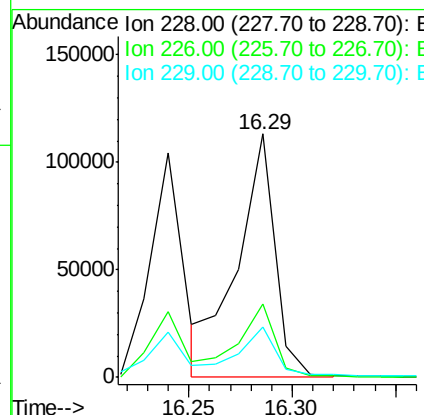
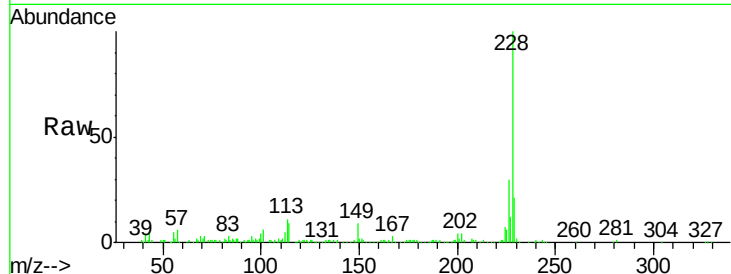
#82
Chrysene
Concen: 8.68 ng/ml
RT: 16.29 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampleID :
8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.3		24.9	37.3	
229	20.9		16.0	24.0	

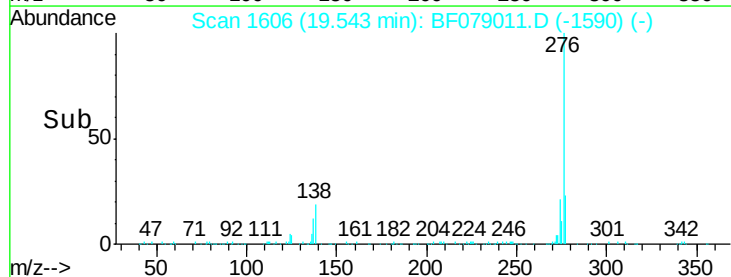
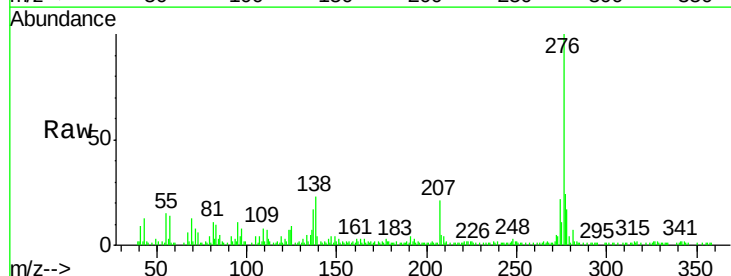
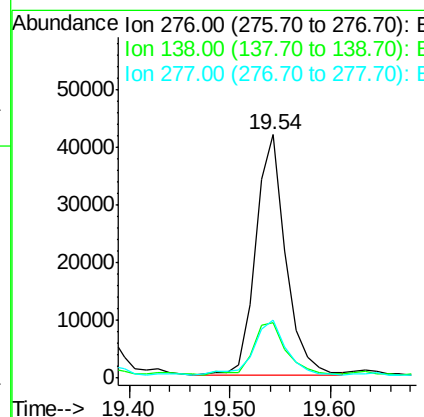
Manual Integrations
APPROVED

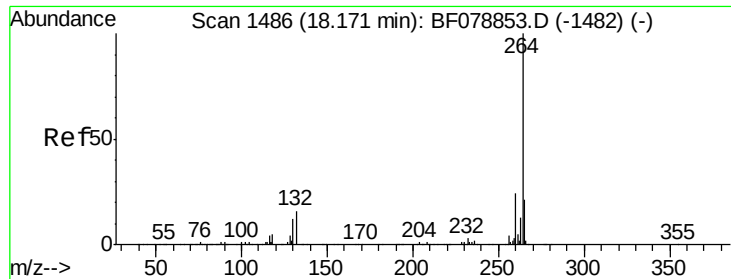
apatel
5/8/2015 3:51:19 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng/ml
RT: 19.54 min Scan# 1606
Delta R.T. -0.11 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	24.2		0.0	0.0#	
277	24.9		0.0	0.0#	





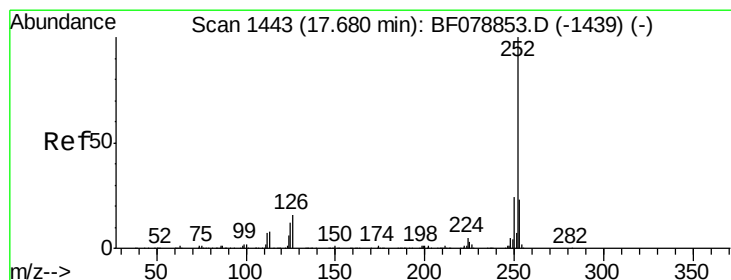
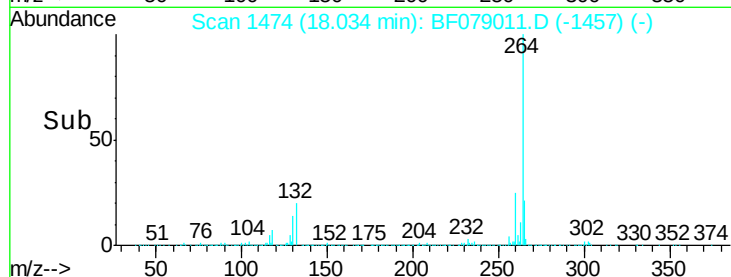
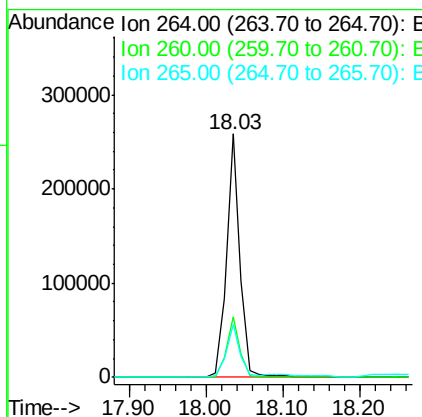
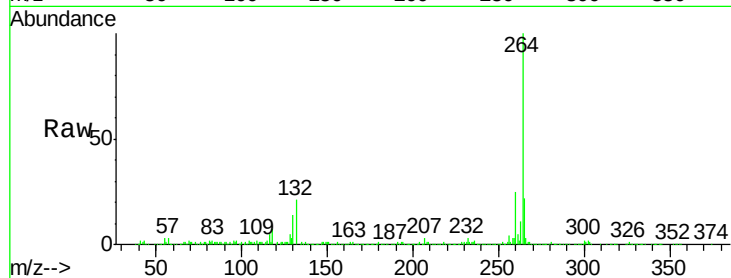
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.03 min Scan# 1474
Delta R.T. -0.10 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampleId :
8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.5	18.3	27.5

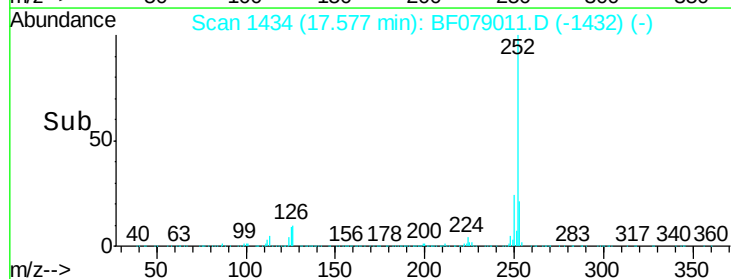
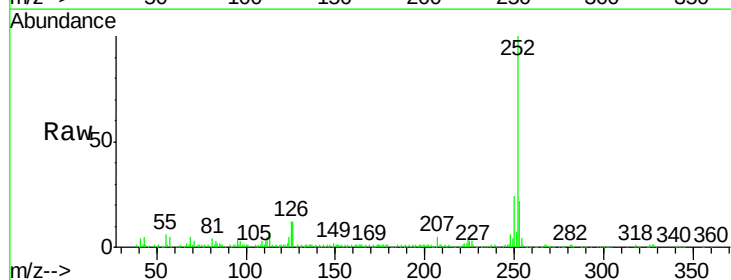
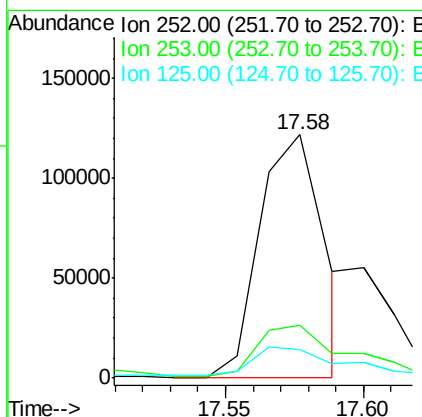
Manual Integrations
APPROVED

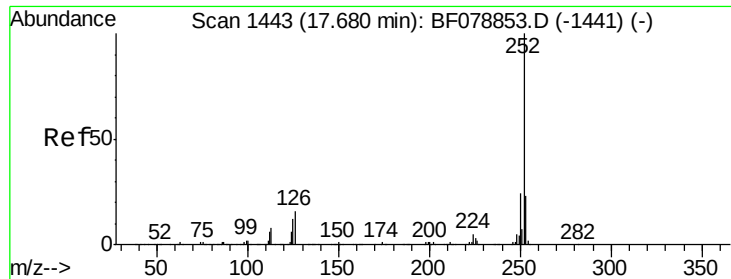
apatel
5/8/2015 3:51:19 PM



#87
Benzo(b)fluoranthene
Concen: 11.30 ng m
RT: 17.58 min Scan# 1434
Delta R.T. -0.08 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	11.5	9.5	14.3





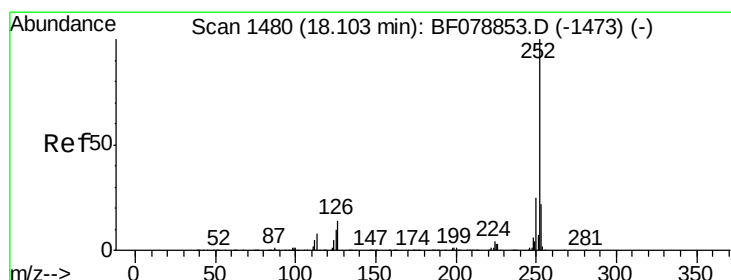
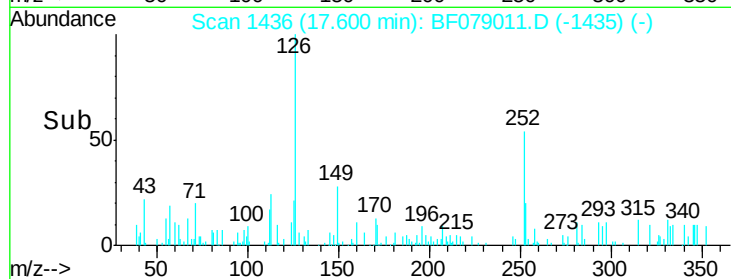
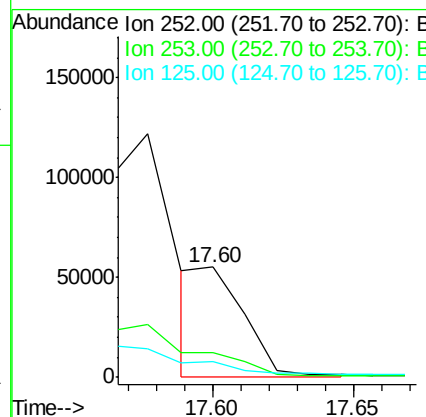
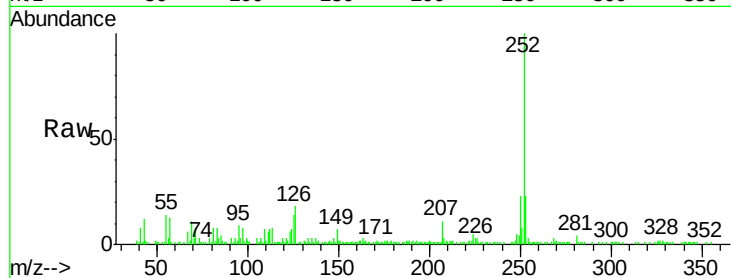
#88
Benzo(k)fluoranthene
Concen: 3.73 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.09 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampled :
8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.3	10.0	15.0

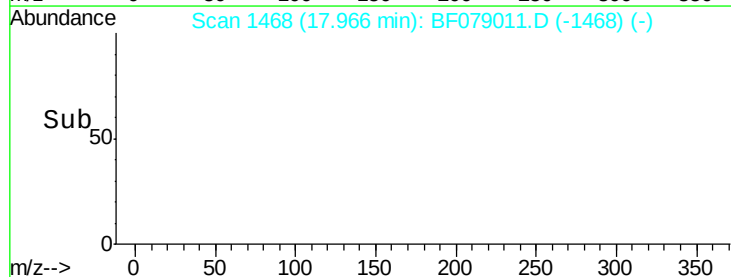
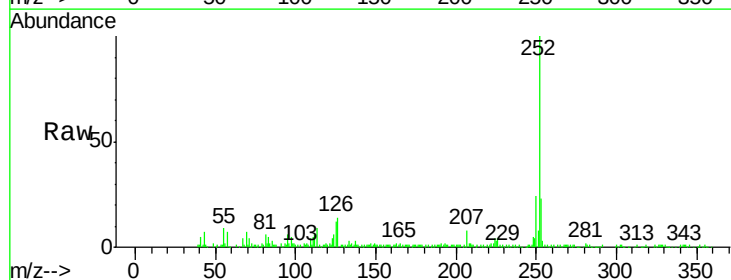
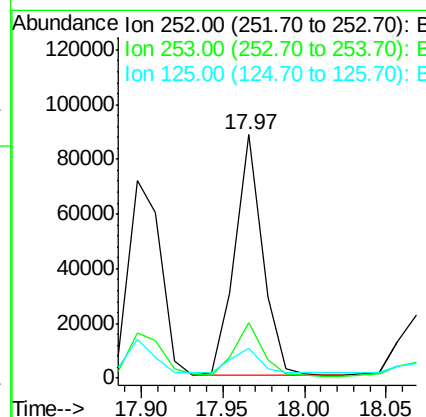
Manual Integrations
APPROVED

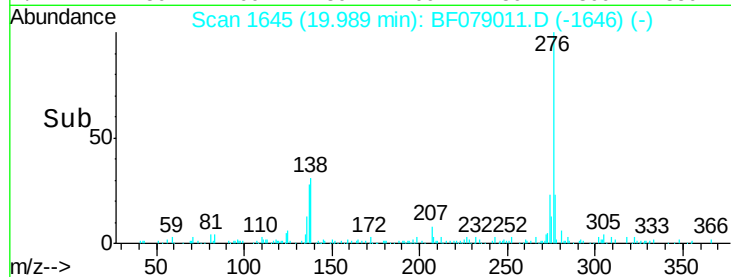
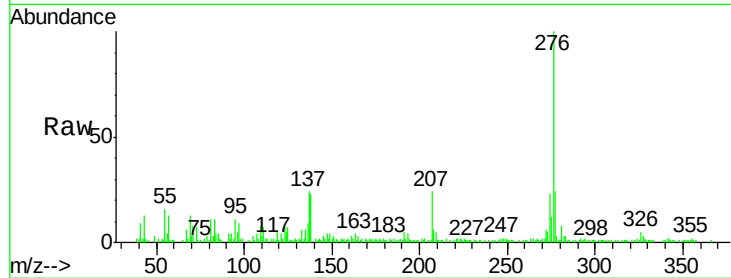
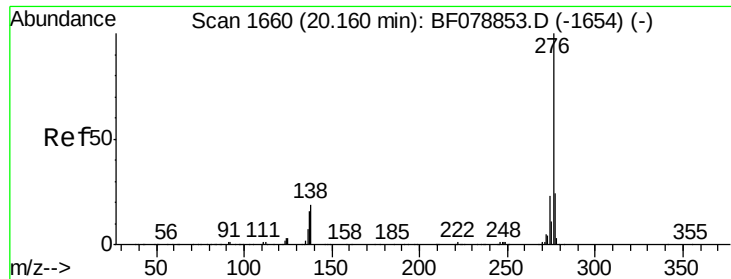
apatel
5/8/2015 3:51:19 PM



#89
Benzo(a)pyrene
Concen: 6.33 ng
RT: 17.97 min Scan# 1468
Delta R.T. -0.10 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	12.2	7.0	10.6





#91
Benzo(a,h,i)perylene
Concen: 4.59 ng
RT: 19.99 min Scan# 1645
Delta R.T. -0.11 min
Lab File: BF079011.D
Acq: 7 May 2015 22:29

Instrument :
BNA_F
ClientSampleId :
8

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	23.1	17.4	26.0

Manual Integrations
APPROVED

apatel
5/8/2015 3:51:19 PM

