

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
 Data File : BF079101.D
 Acq On : 10 May 2015 1:10
 Operator : TP/IZ
 Sample : G2155-01 5X
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45AS

Manual Integrations
 APPROVED

apatel
 5/12/2015 3:45:32 PM

Quant Time: May 11 03:59:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	89736	20.00	ng	0.00
21) Naphthalene-d8	8.89	136	366291	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	175729	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	318271	20.00	ng	0.00
75) Chrysene-d12	16.21	240	311061	20.00	ng	0.00
86) Perylene-d12	17.91	264	327927	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	105787	20.29	ng	0.00
7) Phenol-d6	6.88	99	143128	20.77	ng	0.00
23) Nitrobenzene-d5	8.01	82	77402	12.14	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	31355	16.49	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	166503	13.20	ng	0.00
78) Terphenyl-d14	14.91	244	173867	13.38	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.11	154	42940	4.02	ng	96
57) Fluorene	11.75	166	46632	3.69	ng	99
70) Phenanthrene	12.95	178	773835	43.46	ng	100
71) Anthracene	13.01	178	169185	9.69	ng	98
74) Fluoranthene	14.42	202	760883	41.01	ng	98
77) Pyrene	14.71	202	881880	49.20	ng	98
80) Benzo(a)anthracene	16.19	228	421252	24.73	ng	97
82) Chrysene	16.24	228	377436	23.04	ng	98
85) Indeno(1,2,3-cd)pyrene	19.38	276	143599	6.88	ng	# 100
87) Benzo(b)fluoranthene	17.47	252	333544m	18.58	ng	
88) Benzo(k)fluoranthene	17.50	252	125576m	7.23	ng	
89) Benzo(a)pyrene	17.85	252	269602	16.31	ng	99
90) Dibenzo(a,h)anthracene	19.41	278	36532	2.08	ng	# 87
91) Benzo(g,h,i)perylene	19.83	276	147719	8.39	ng	99

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

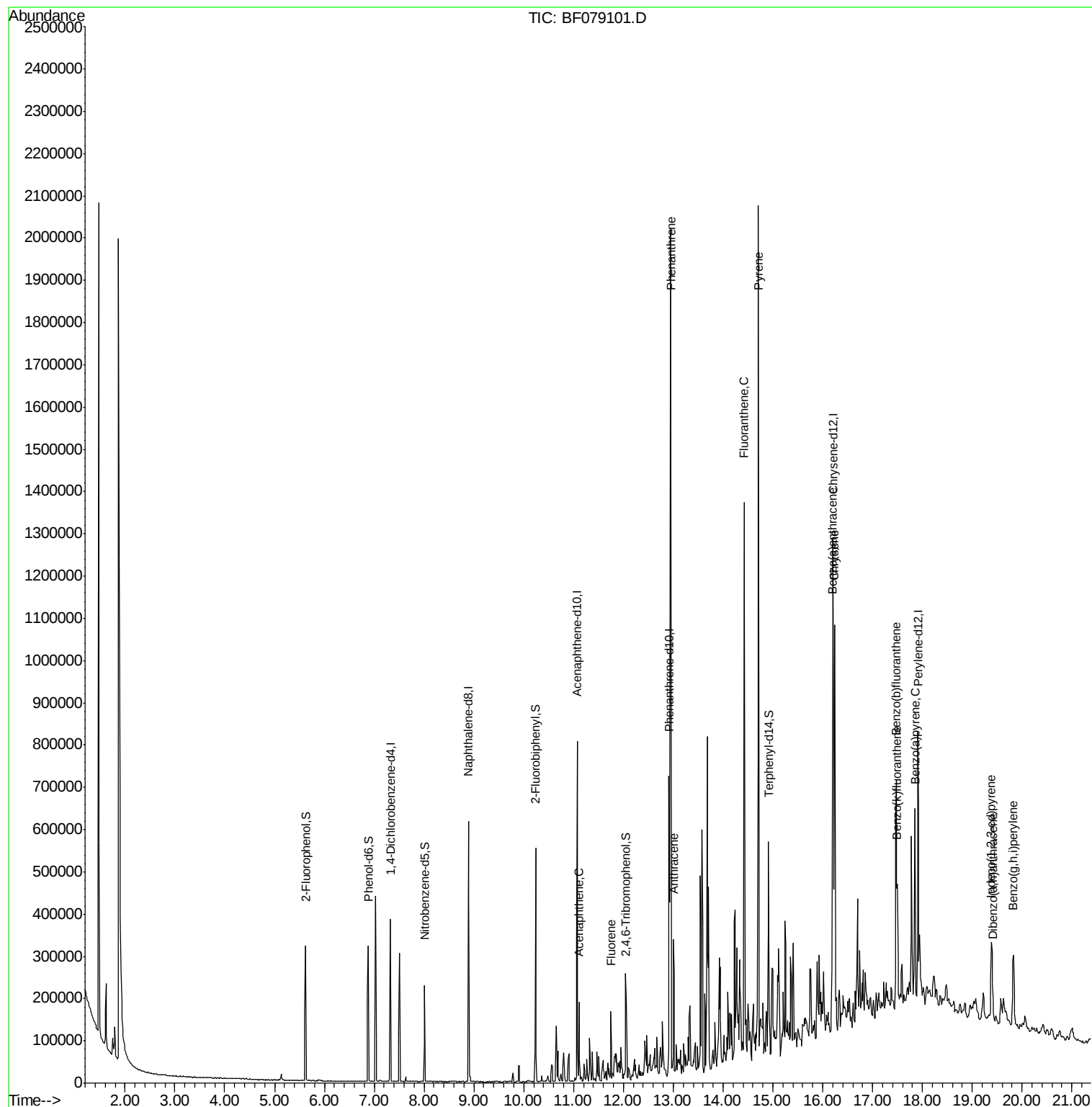
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079101.D
Acq On : 10 May 2015 1:10
Operator : TP/IZ
Sample : G2155-01 5X
Misc :
ALS Vial : 60 Sample Multiplier: 1

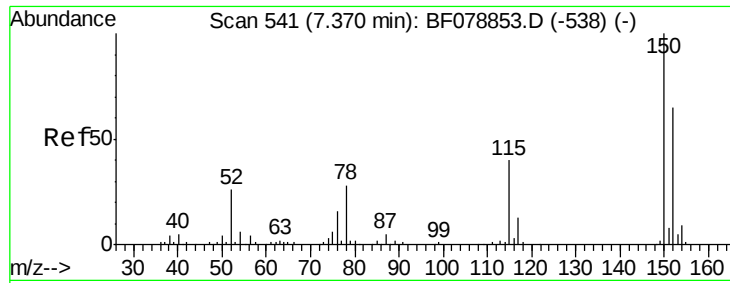
Instrument :
BNA_F
ClientSampleId :
SB-45AS

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM

Quant Time: May 11 03:59:59 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 11 01:50:36 2015
Response via : Initial Calibration





#1

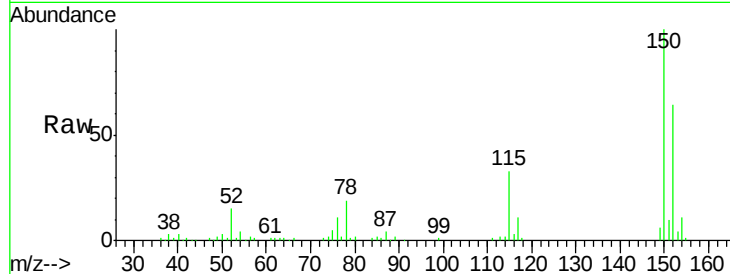
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Instrument :
BNA_F
ClientSampleId :
SB-45AS

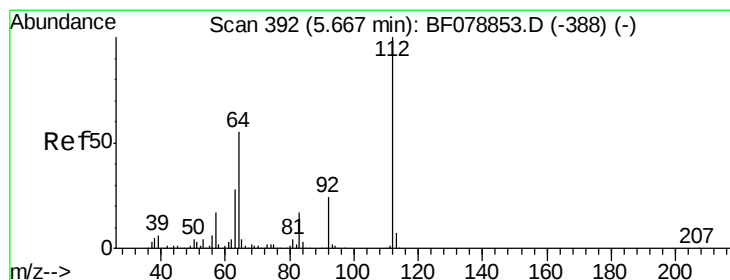
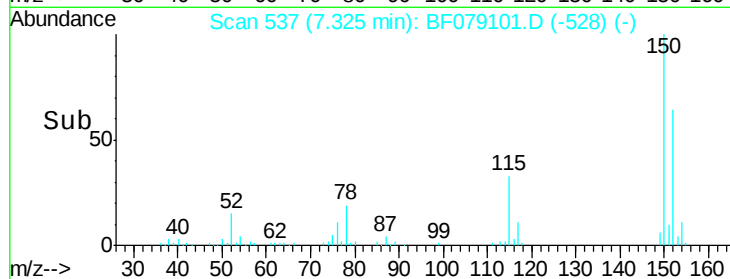
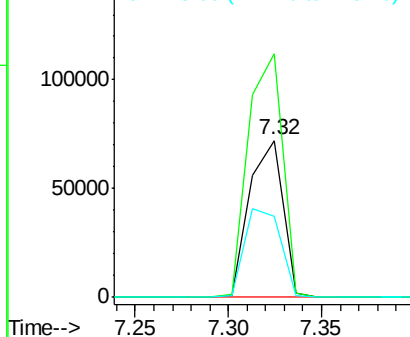
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	122.0	183.0
115	51.9	46.3	69.5

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM



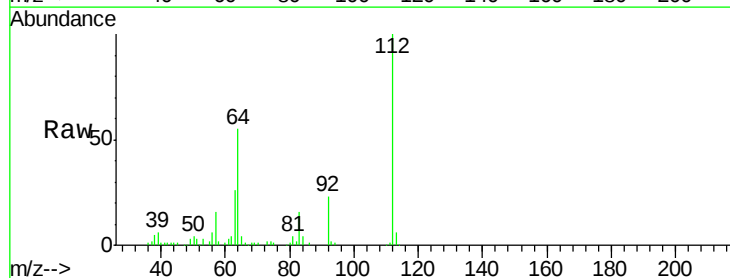
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



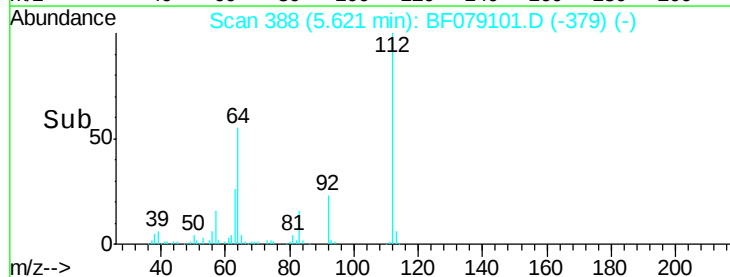
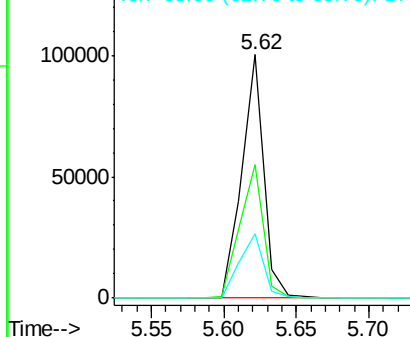
#5

2-Fluorophenol
Concen: 20.29 ng
RT: 5.62 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	53.5	80.3
63	26.4	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: 20.77 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Instrument :

BNA_F

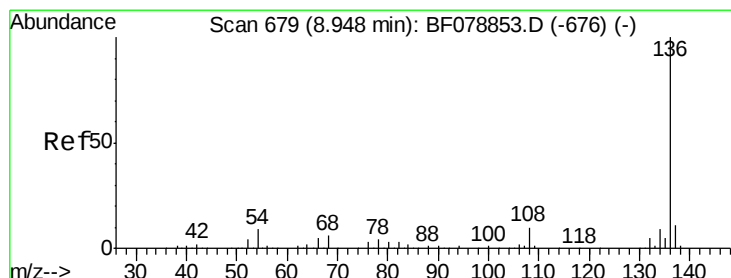
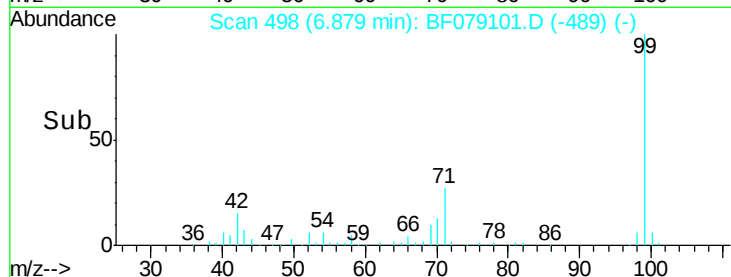
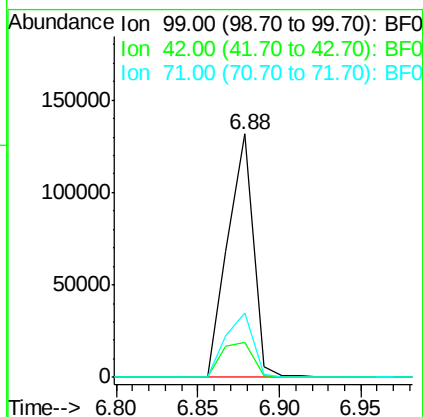
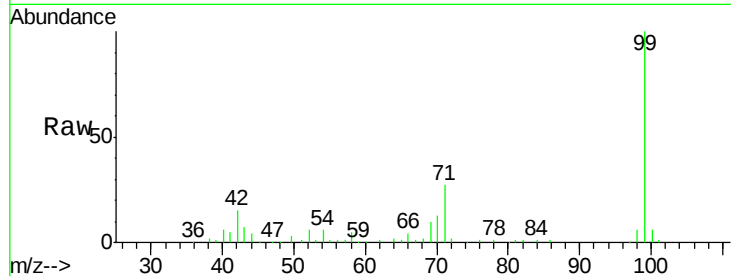
ClientSampleId :

SB-45AS

Tot Ion:	99	Resp:	143128
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.8	19.2
71	26.6	23.4	35.2

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM



#21

Naphthalene-d8

Concen: 20.00 ng

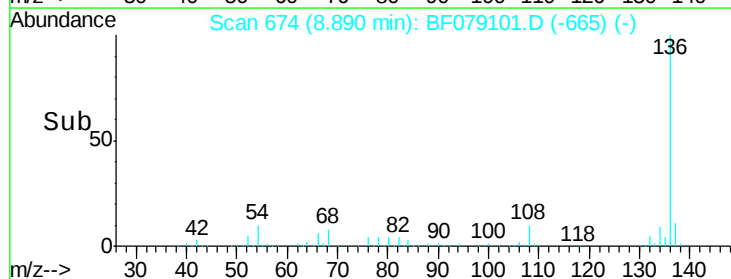
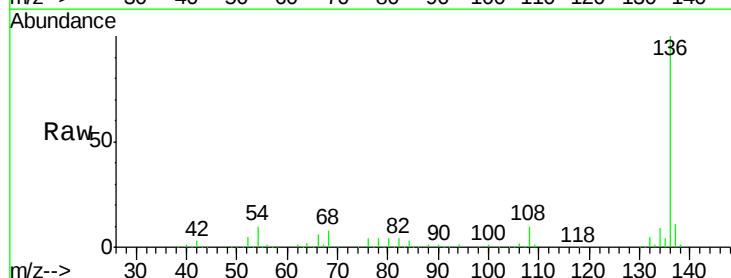
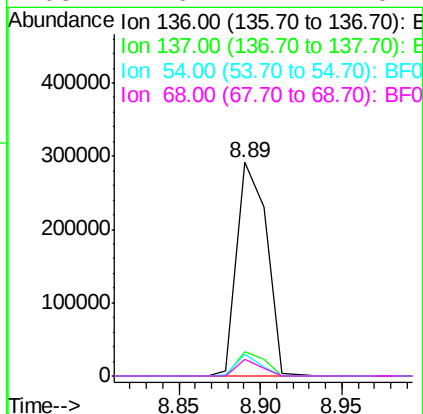
RT: 8.89 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Tgt Ion:	136	Resp:	366291
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.7	13.1
54	10.2	5.8	8.8#
68	7.6	4.2	6.4#





#23

Nitrobenzene-d5

Concen: 12.14 ng

RT: 8.01 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Instrument :

BNA_F

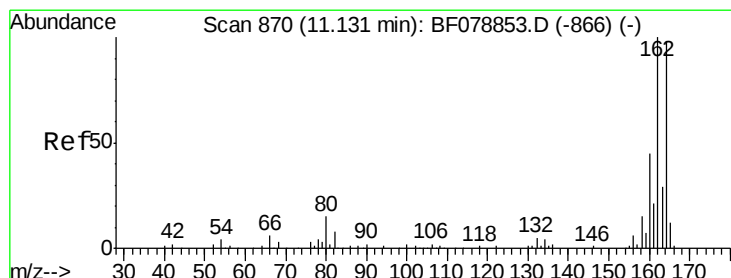
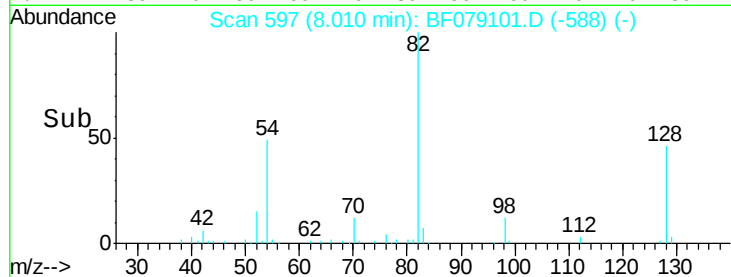
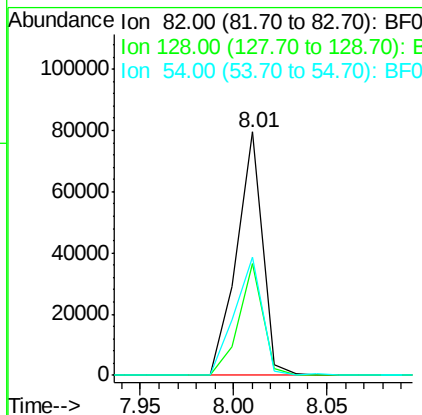
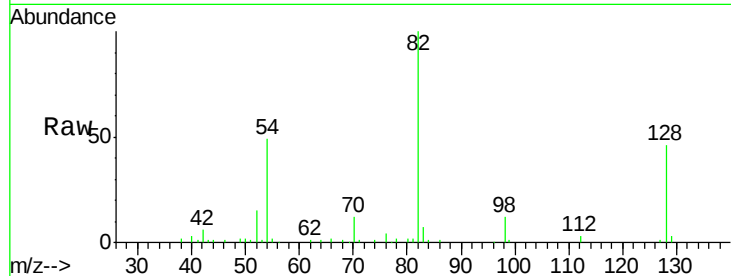
ClientSampleId :

SB-45AS

Tot Ion:	82	Resp:	77402
Ion Ratio		Lower	Upper
82	100		
128	46.0	30.0	45.0#
54	48.5	46.4	69.6

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

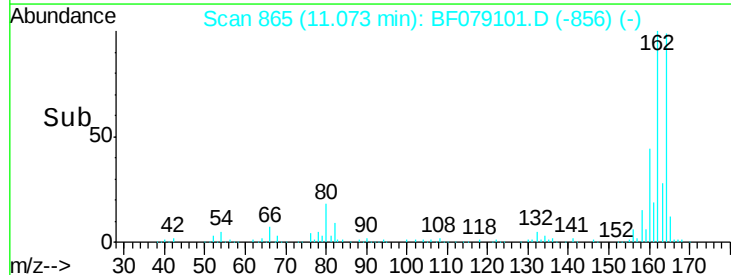
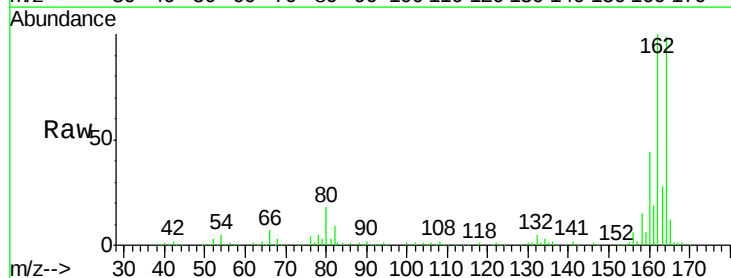
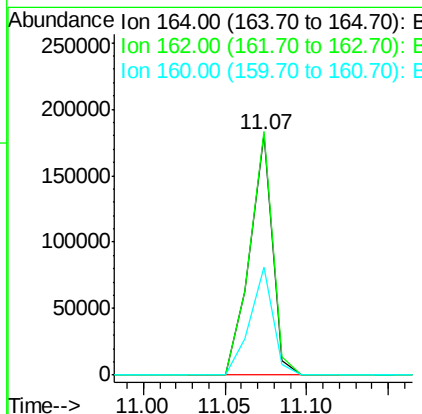
RT: 11.07 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Tgt Ion:	164	Resp:	175729
Ion Ratio		Lower	Upper
164	100		
162	101.1	82.7	124.1
160	45.0	35.8	53.8





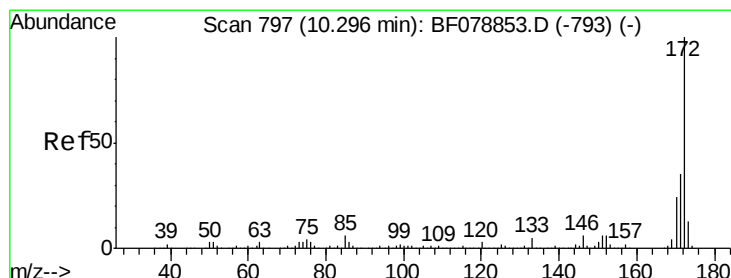
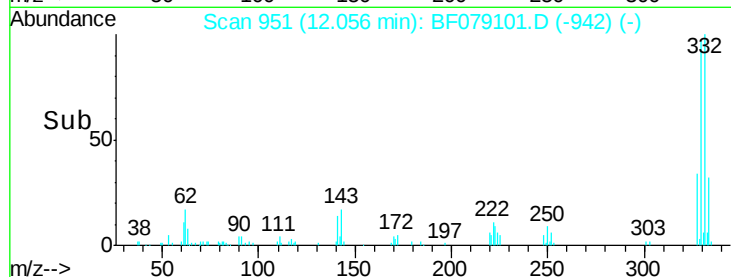
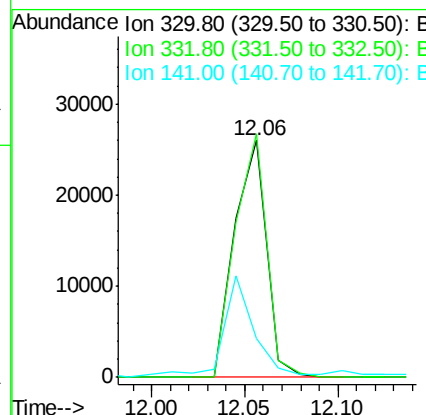
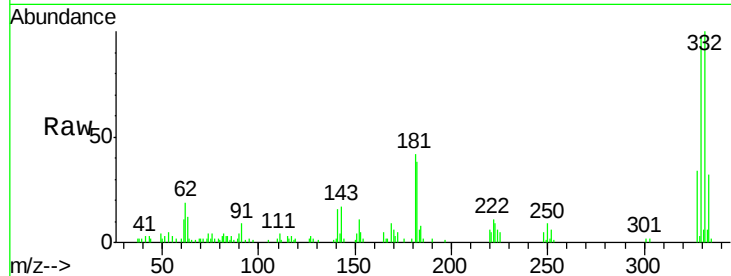
#41
 2,4,6-Tribromophenol
 Concen: 16.49 ng
 RT: 12.06 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-45AS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	100.7	0.0	0.0#
141	42.7	0.0	0.0#

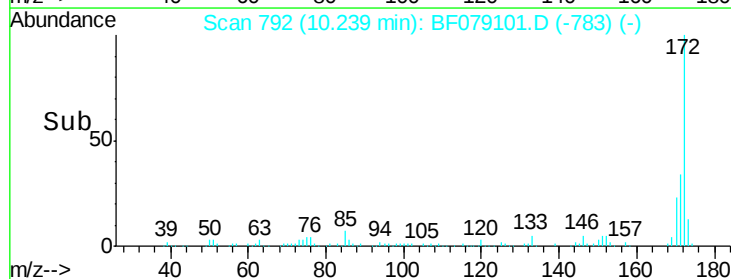
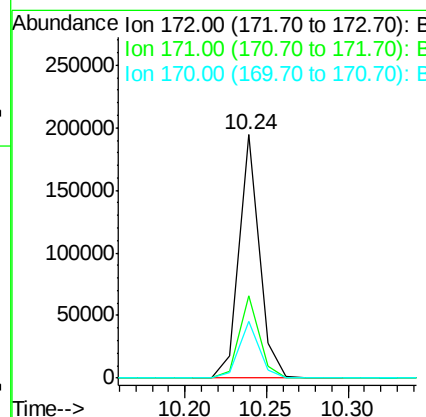
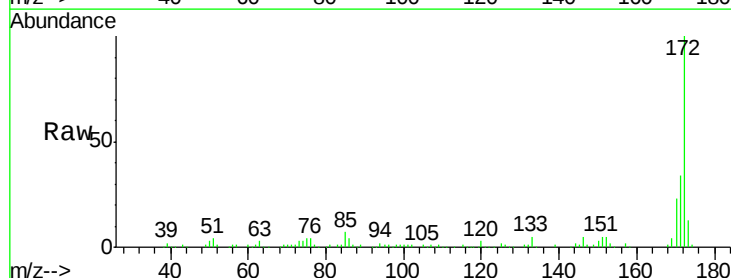
Manual Integrations
 APPROVED

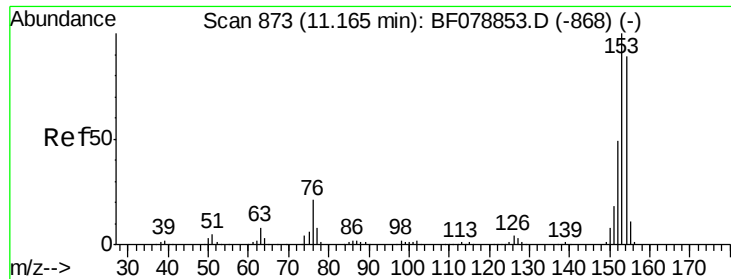
apatel
 5/12/2015 3:45:32 PM



#44
 2-Fluorobiphenyl
 Concen: 13.20 ng
 RT: 10.24 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.1	27.9	41.9
170	23.2	19.4	29.0





#51

Acenaphthene

Concen: 4.02 ng

RT: 11.11 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Instrument :

BNA_F

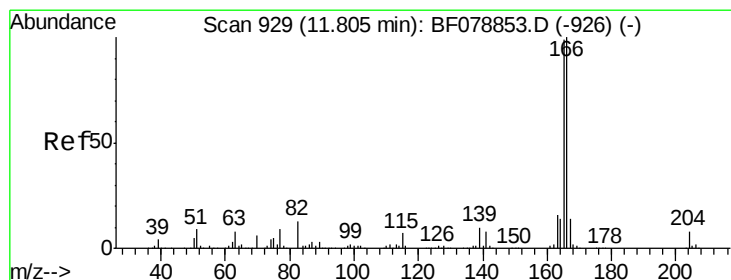
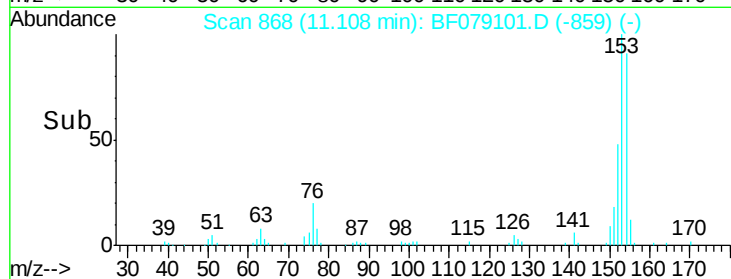
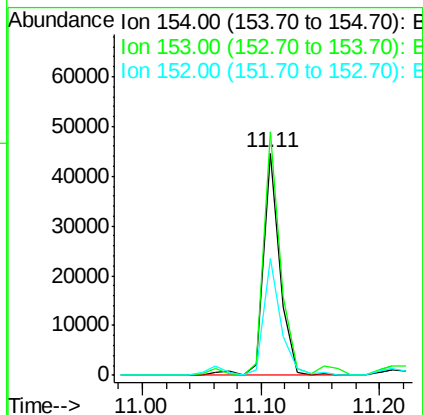
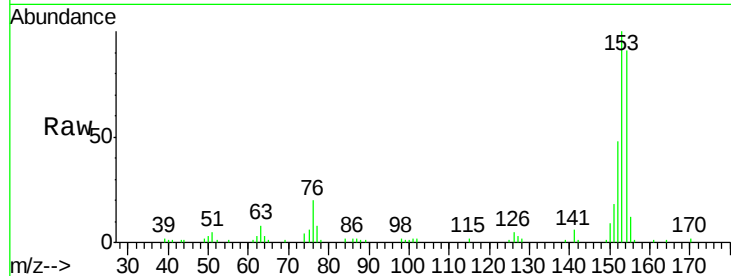
ClientSampleId :

SB-45AS

Tot Ion:	154	Resp:	42940
Ion Ratio	Lower	Upper	
154	100		
153	109.6	91.5	137.3
152	52.4	44.2	66.4

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM



#57

Fluorene

Concen: 3.69 ng

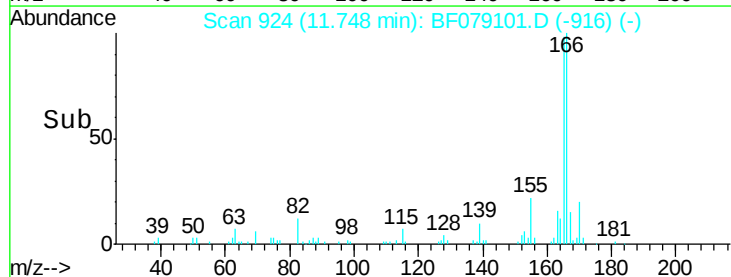
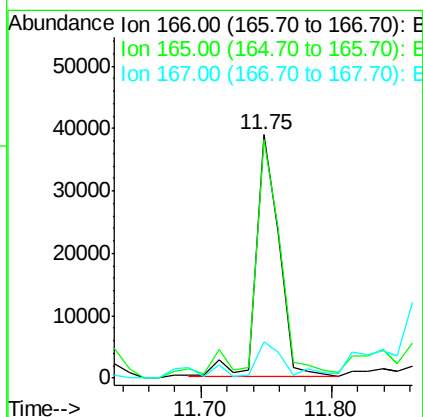
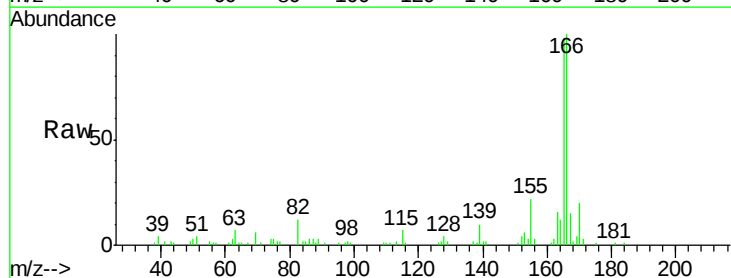
RT: 11.75 min Scan# 924

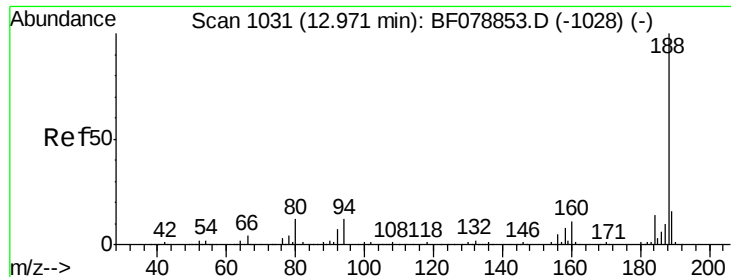
Delta R.T. -0.01 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Tgt Ion:	166	Resp:	46632
Ion Ratio	Lower	Upper	
166	100		
165	97.7	78.5	117.7
167	14.9	11.0	16.6





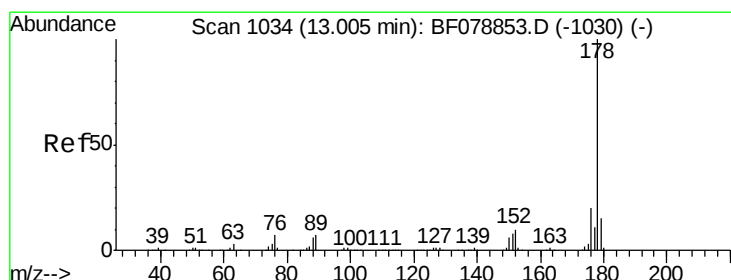
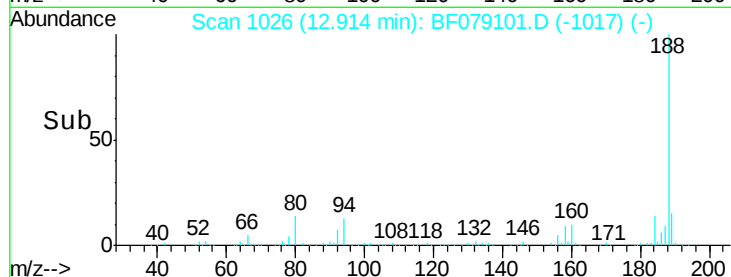
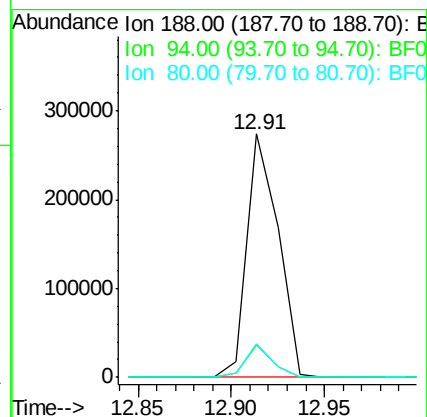
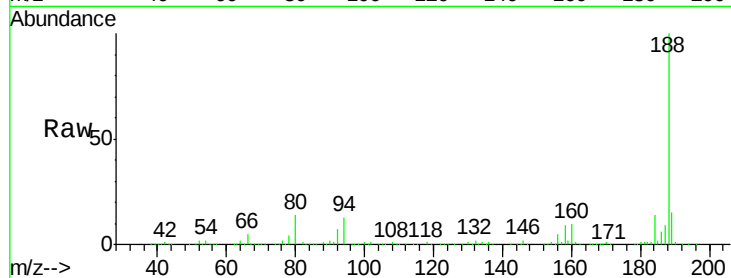
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.91 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Instrument :
BNA_F
ClientSampleId :
SB-45AS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	13.1	8.2	12.2#
80	13.7	8.9	13.3#

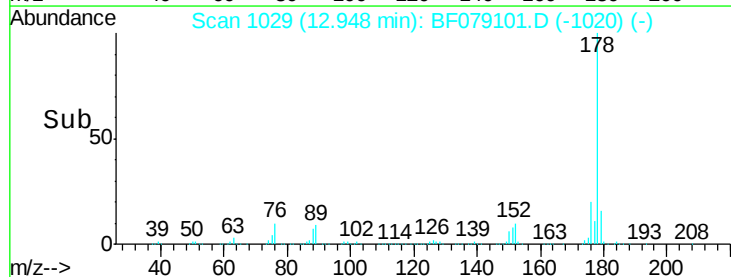
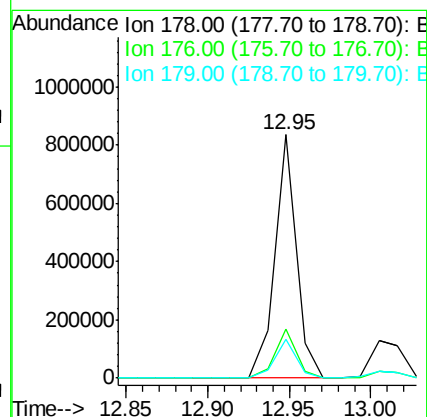
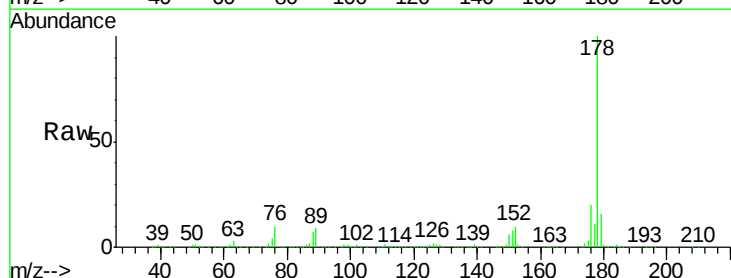
Manual Integrations
APPROVED

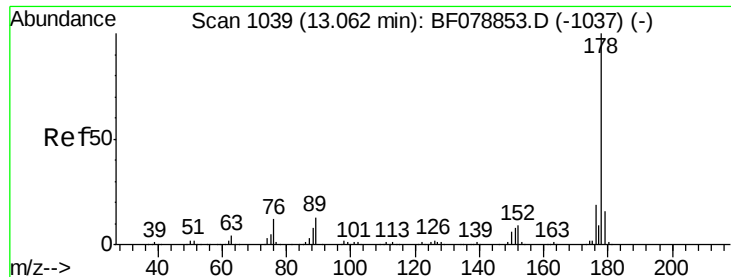
apatel
5/12/2015 3:45:32 PM



#70
Phenanthrene
Concen: 43.46 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

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





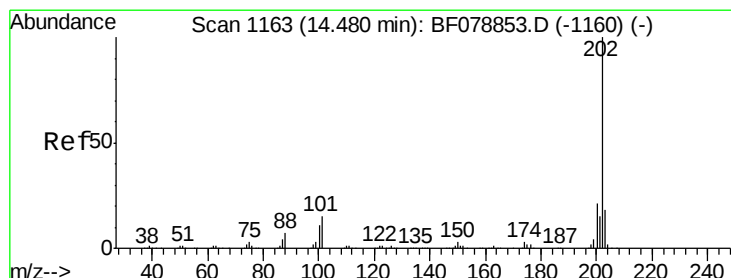
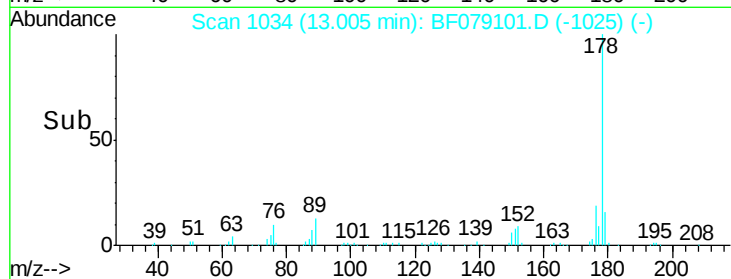
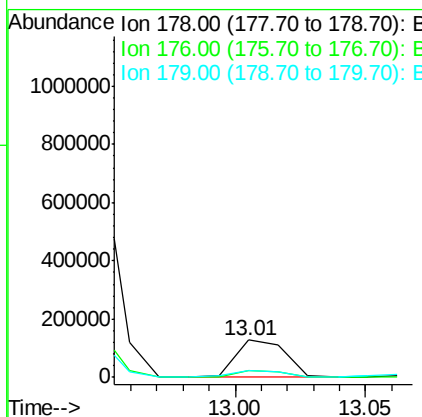
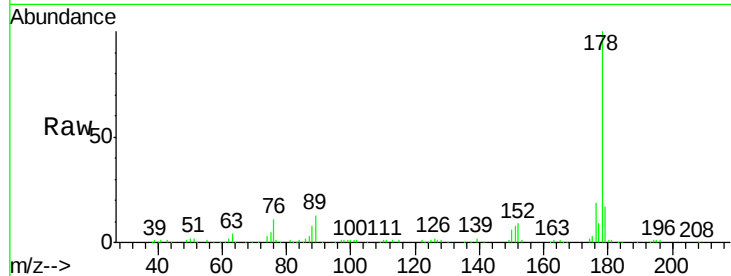
#71
 Anthracene
 Concen: 9.69 ng
 RT: 13.01 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-45AS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	16.7	12.7	19.1

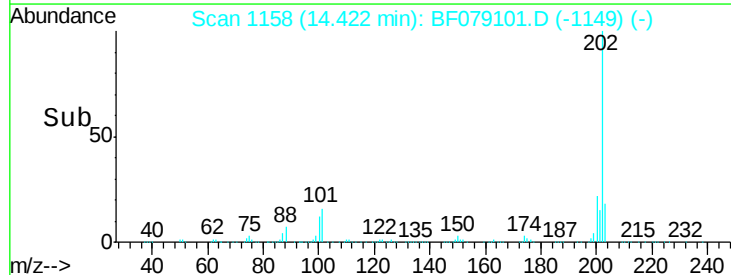
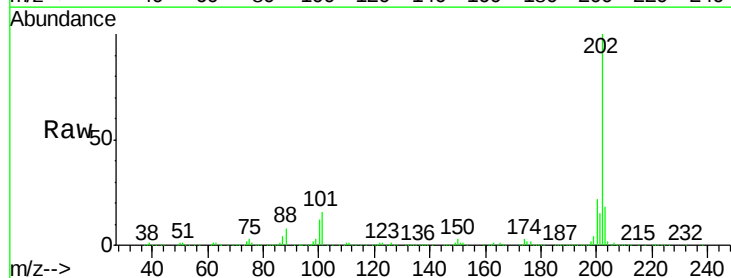
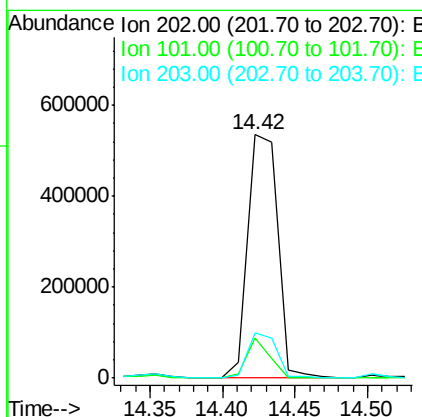
Manual Integrations
 APPROVED

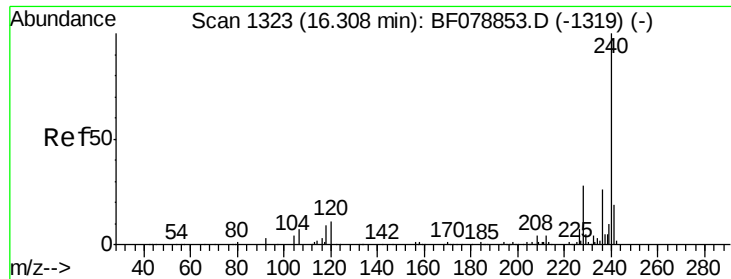
apatel
 5/12/2015 3:45:32 PM



#74
 Fluoranthene
 Concen: 41.01 ng
 RT: 14.42 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	34.6
203	18.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.21 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Instrument :

BNA_F

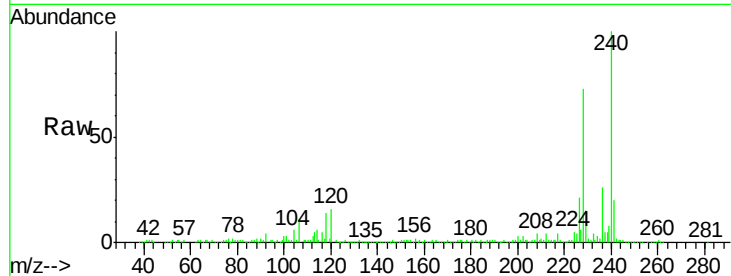
ClientSampleId :

SB-45AS

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.8	9.7	14.5#	
236	25.9	20.2	30.4	

Manual Integrations
APPROVED

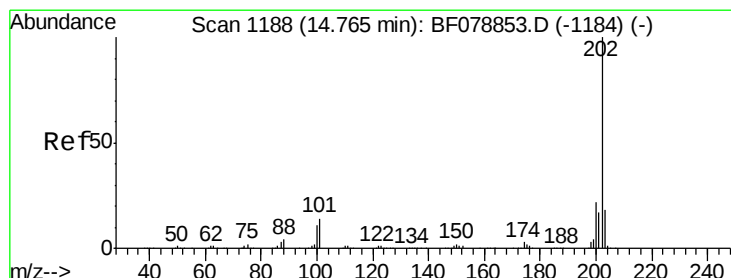
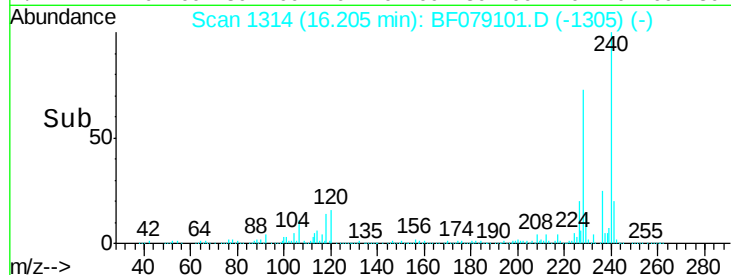
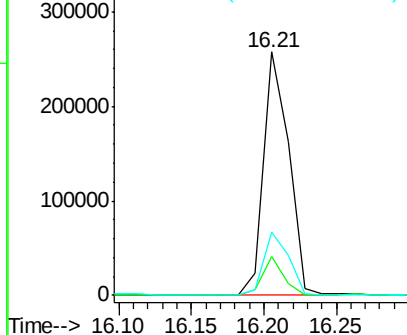
apatel
5/12/2015 3:45:32 PM



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: 49.20 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF079101.D

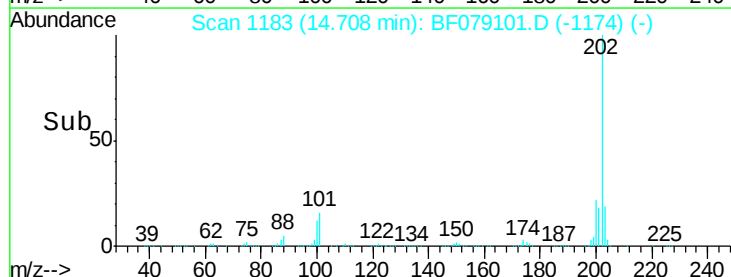
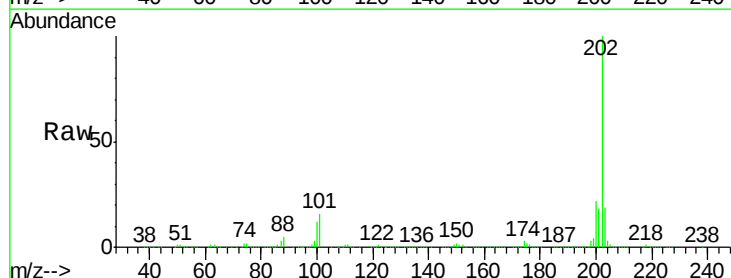
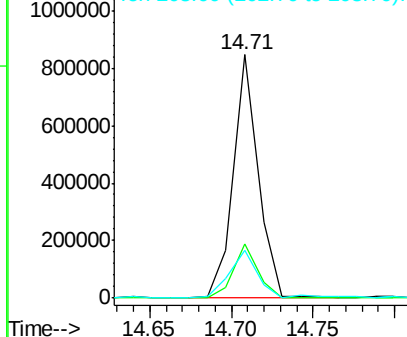
Acq: 10 May 2015 1:10

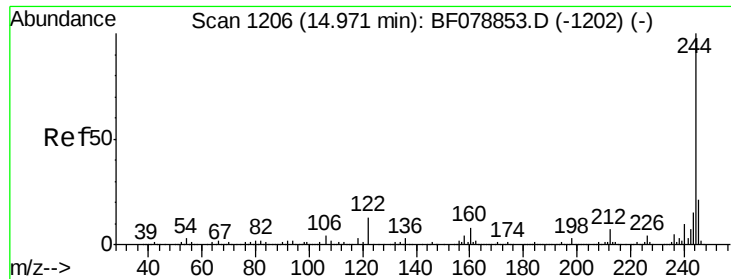
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.2	17.5	26.3	
203	19.4	13.9	20.9	

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





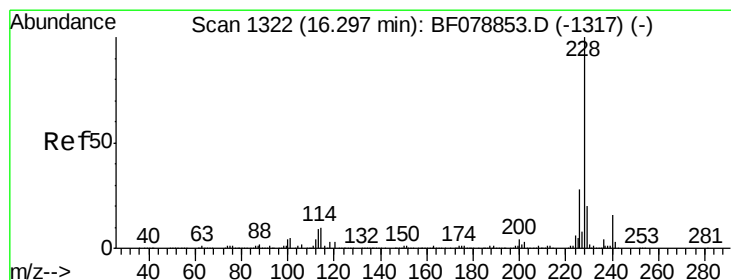
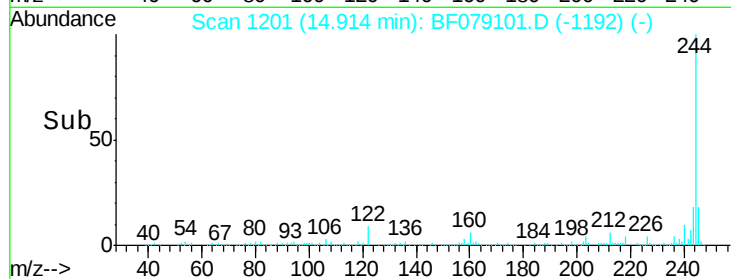
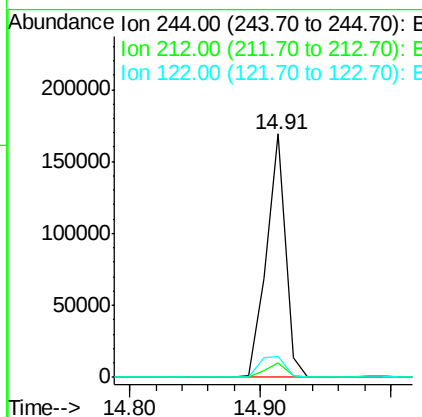
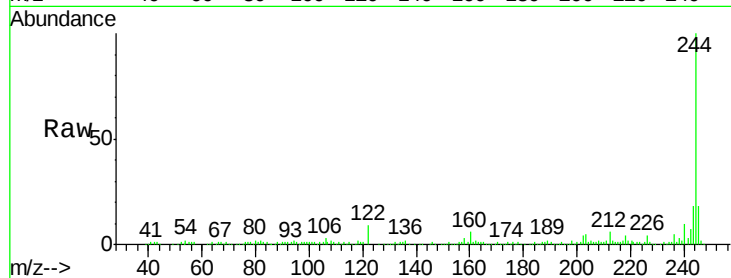
#78
 Terphenyl-d14
 Concen: 13.38 ng
 RT: 14.91 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-45AS

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.6	8.4
122	8.8	10.3	15.5#

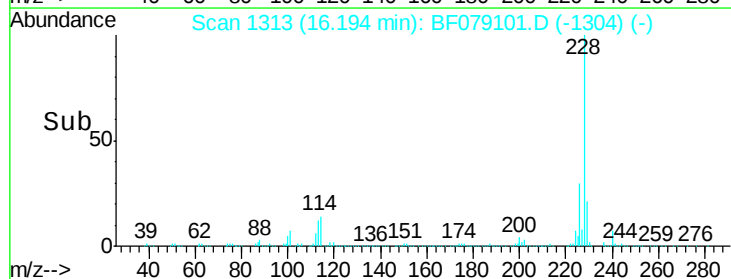
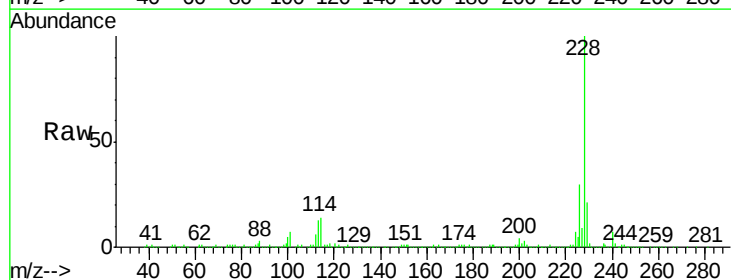
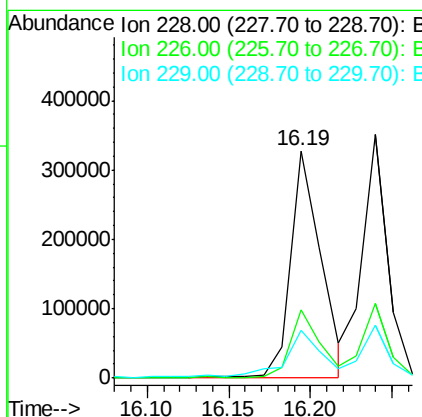
Manual Integrations
 APPROVED

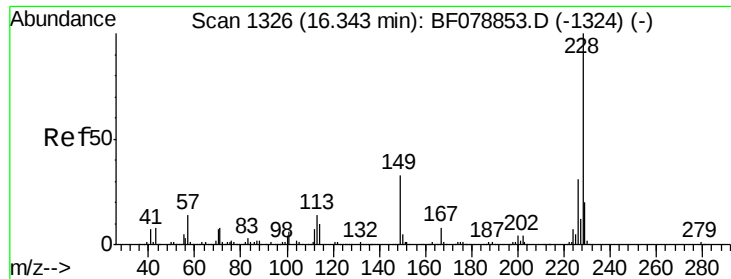
apatel
 5/12/2015 3:45:32 PM



#80
 Benzo(a)anthracene
 Concen: 24.73 ng
 RT: 16.19 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BF079101.D
 Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.1	15.9	23.9





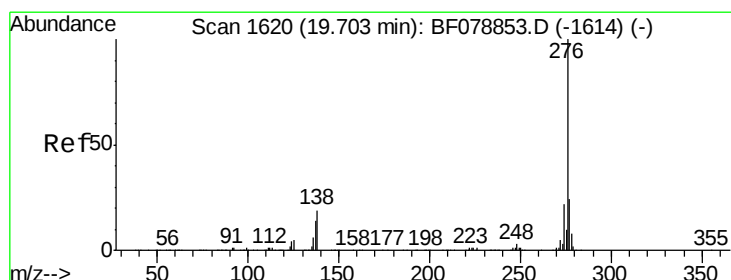
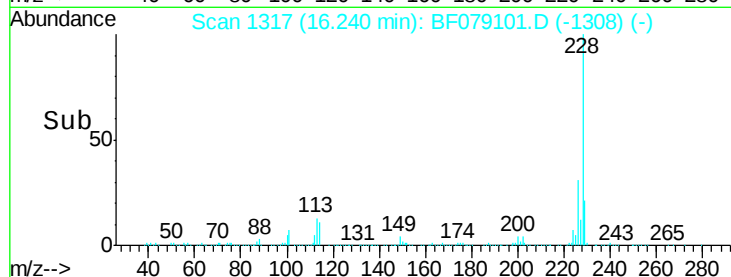
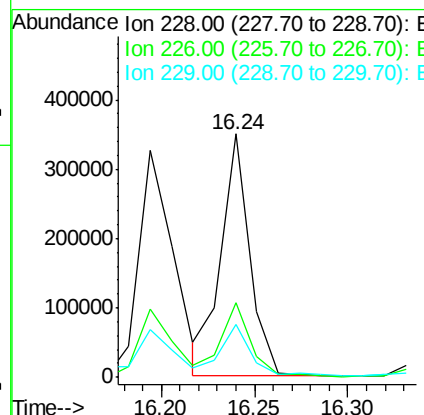
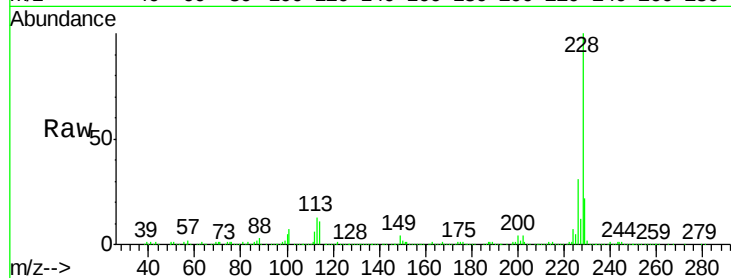
#82
Chrysene
Concen: 23.04 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Instrument :
BNA_F
ClientSampleId :
SB-45AS

Tot Ion	Ratio	Resp	Lower	Upper
228	100	377436		
226	30.8	24.9	37.3	
229	21.6	16.0	24.0	

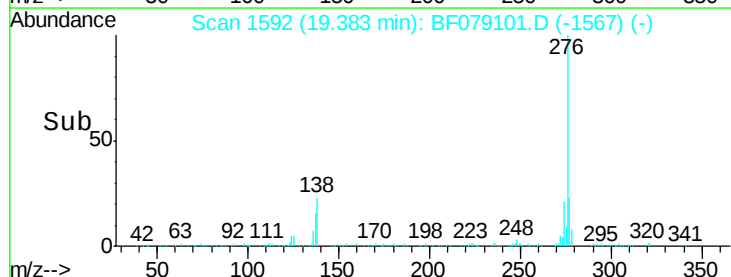
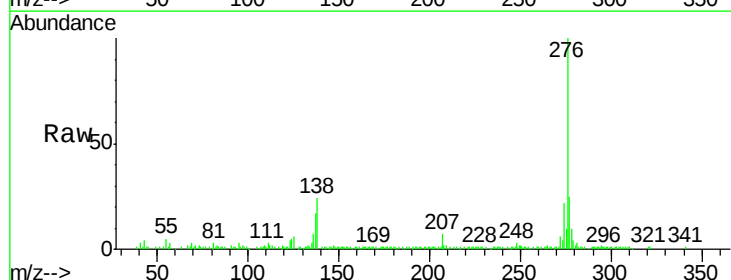
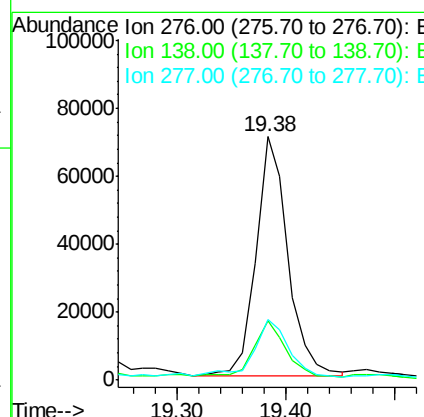
Manual Integrations
APPROVED

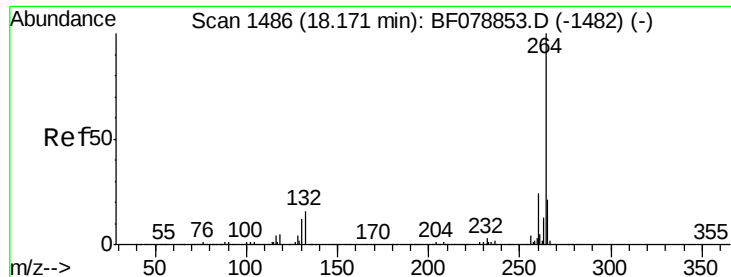
apatel
5/12/2015 3:45:32 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.88 ng
RT: 19.38 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	143599		
138	23.2	0.0	0.0#	
277	26.8	0.0	0.0#	





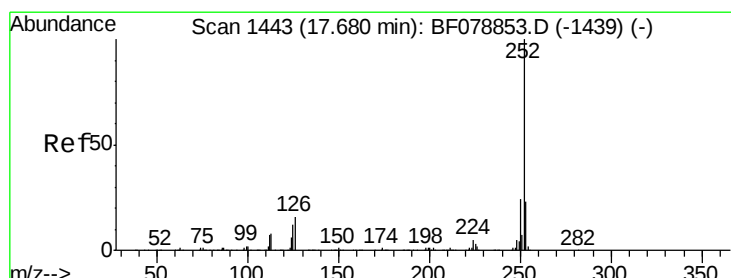
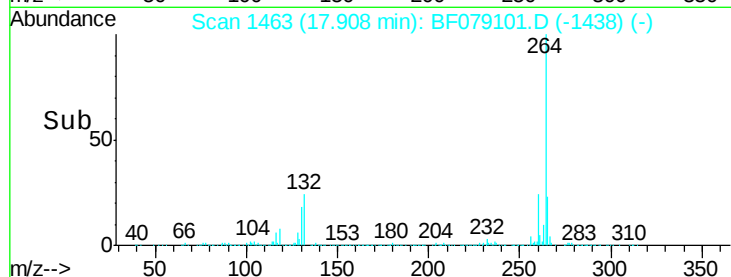
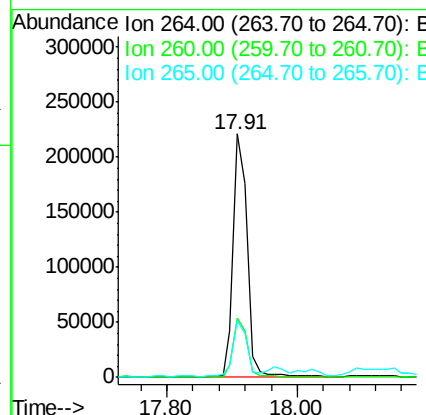
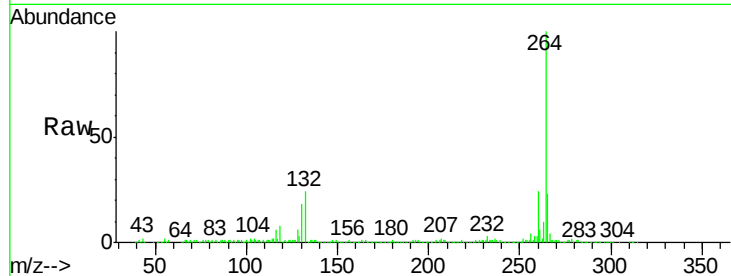
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.91 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Instrument :
BNA_F
ClientSampled :
SB-45AS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	23.1	18.3	27.5

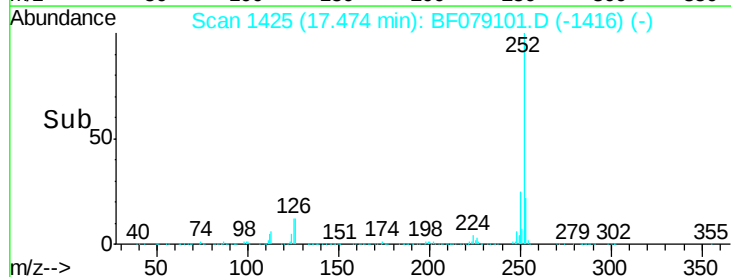
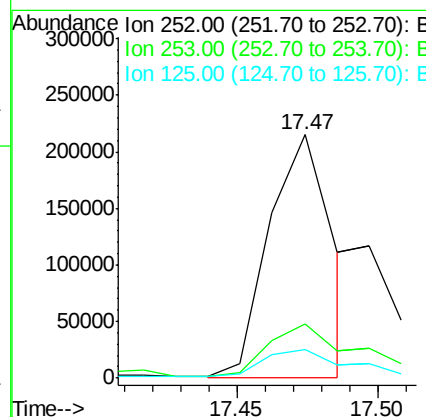
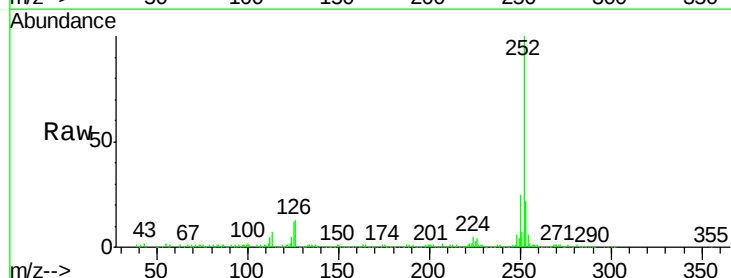
Manual Integrations
APPROVED

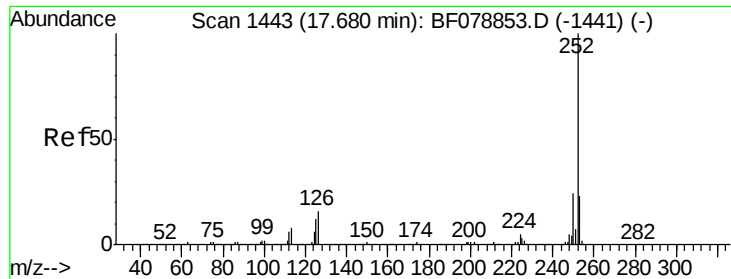
apatel
5/12/2015 3:45:32 PM



#87
Benzo(b)fluoranthene
Concen: 18.58 ng m
RT: 17.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	12.0	9.5	14.3





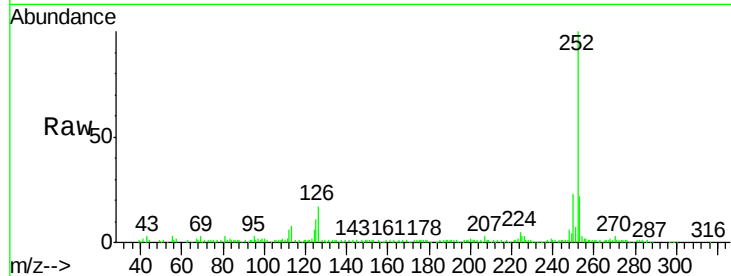
#88
Benzo(k)fluoranthene
Concen: 7.23 ng m
RT: 17.50 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Instrument :
BNA_F
ClientSampleId :
SB-45AS

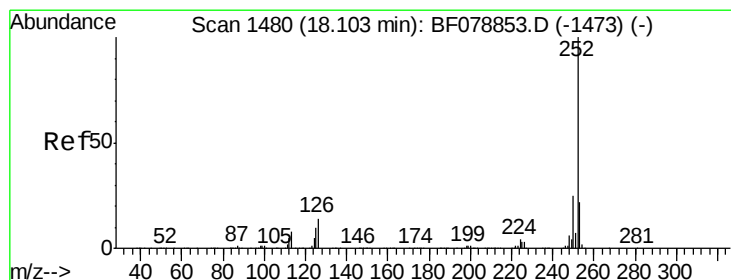
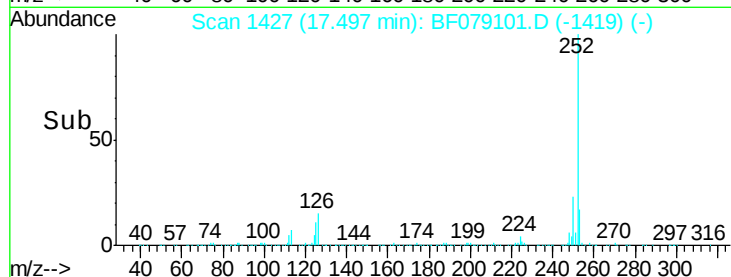
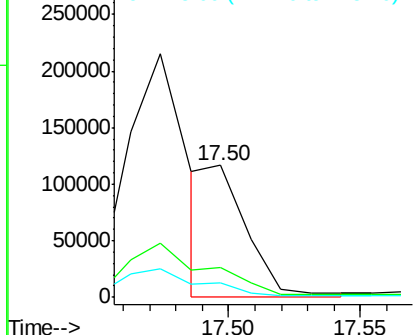
Tot Ion	Ratio	Resp	Lower	Upper
252	100	125576		
253	22.4	18.1	27.1	
125	11.2	10.0	15.0	

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM

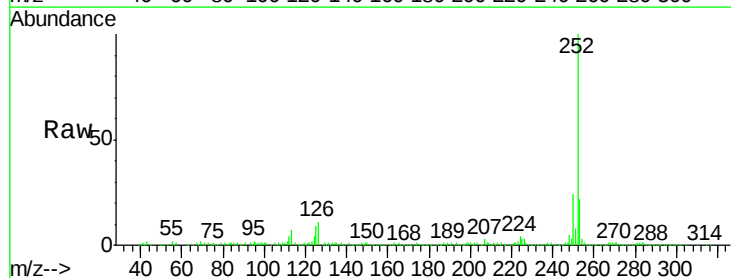


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

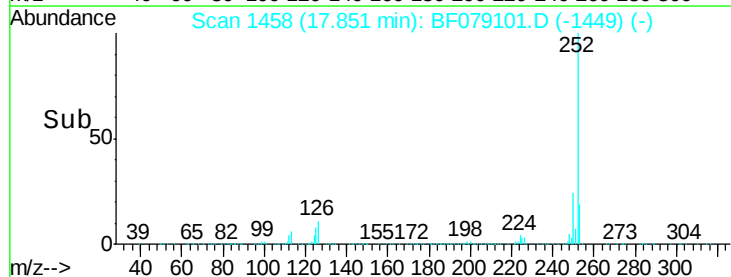
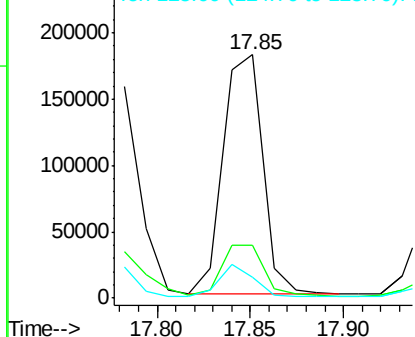


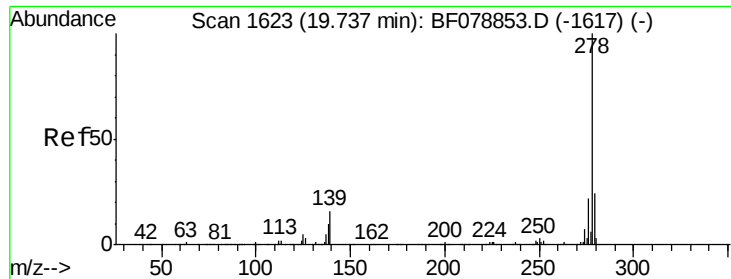
#89
Benzo(a)pyrene
Concen: 16.31 ng
RT: 17.85 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BF079101.D
Acq: 10 May 2015 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	269602		
253	22.0	17.3	25.9	
125	8.8	7.0	10.6	



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





#90

Dibenzo(a,h)anthracene

Concen: 2.08 ng

RT: 19.41 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Instrument :

BNA_F

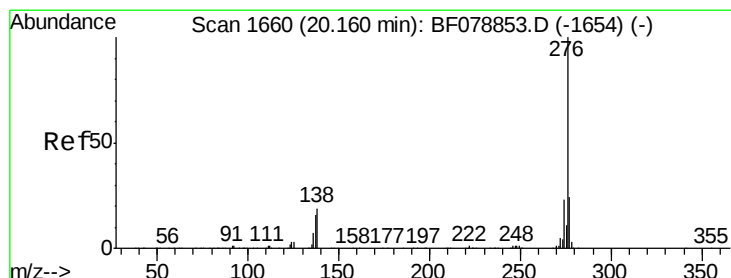
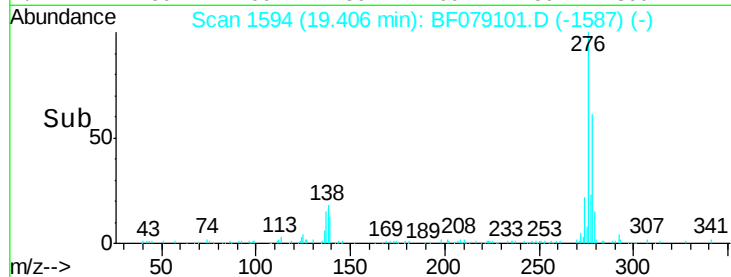
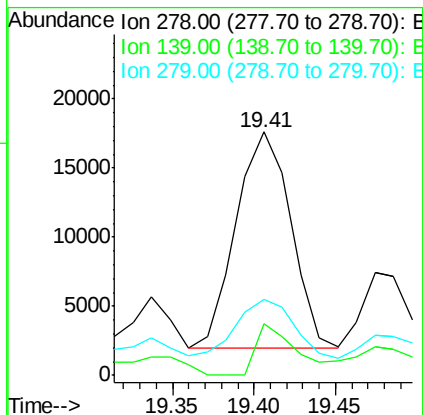
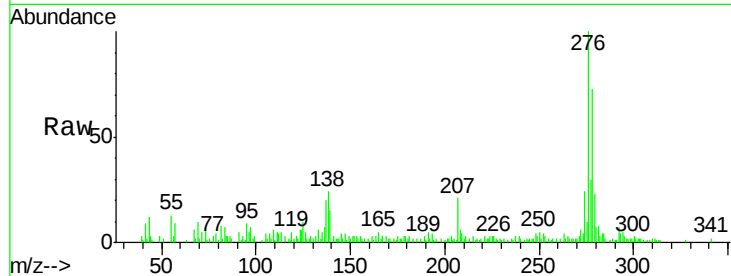
ClientSampleId :

SB-45AS

Tot Ion:	278	Resp:	36532
Ion Ratio	Lower	Upper	
278	100		
139	21.2	12.8	19.2#
279	31.4	19.6	29.4#

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:32 PM



#91

Benzo(g,h,i)perylene

Concen: 8.39 ng

RT: 19.83 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF079101.D

Acq: 10 May 2015 1:10

Tgt Ion:	276	Resp:	147719
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	21.2	17.4	26.0

