

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078391.D
 Acq On : 10 Apr 2015 8:45
 Operator : TP/IZ
 Sample : G1793-07DL2 50X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL2

Manual Integrations
 APPROVED

apatel
 4/10/2015 5:13:41 PM

Quant Time: Apr 10 08:34:17 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	33729	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	144747	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	74193	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	139475	20.00	ng	-0.01
75) Chrysene-d12	15.72	240	136376	20.00	ng	-0.02
86) Perylene-d12	17.48	264	139553	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	3149	1.54	ng	-0.01
7) Phenol-d6	6.50	99	4564	1.78	ng	0.02
23) Nitrobenzene-d5	7.58	82	1835	0.77	ng	0.00
41) 2,4,6-Tribromophenol	11.61	330	589	0.96	ng	-0.01
44) 2-Fluorobiphenyl	9.81	172	5936	1.14	ng	0.00
78) Terphenyl-d14	14.44	244	6682	1.11	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.49	128	536138	71.16	ng	99
37) 2-Methylnaphthalene	9.34	142	97921	19.14	ng	97
45) 1,1'-Biphenyl	9.93	154	37679	6.21	ng	96
48) Acenaphthylene	10.45	152	35478	4.60	ng	# 96
51) Acenaphthene	10.66	154	59601	13.73	ng	98
57) Fluorene	11.30	166	59069	10.99	ng	99
70) Phenanthrene	12.49	178	269554	33.41	ng	98
71) Anthracene	12.55	178	82040	10.32	ng	99
74) Fluoranthene	13.95	202	105621	12.41	ng	91
77) Pyrene	14.23	202	151227	17.66	ng	100
80) Benzo(a)anthracene	15.71	228	49118m	6.05	ng	
82) Chrysene	15.76	228	33887	4.44	ng	99
87) Benzo(b)fluoranthene	17.04	252	27633m	3.20	ng	
89) Benzo(a)pyrene	17.43	252	34685	4.61	ng	# 72
91) Benzo(a,h,i)perylene	19.13	276	15235m	2.02	ng	

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

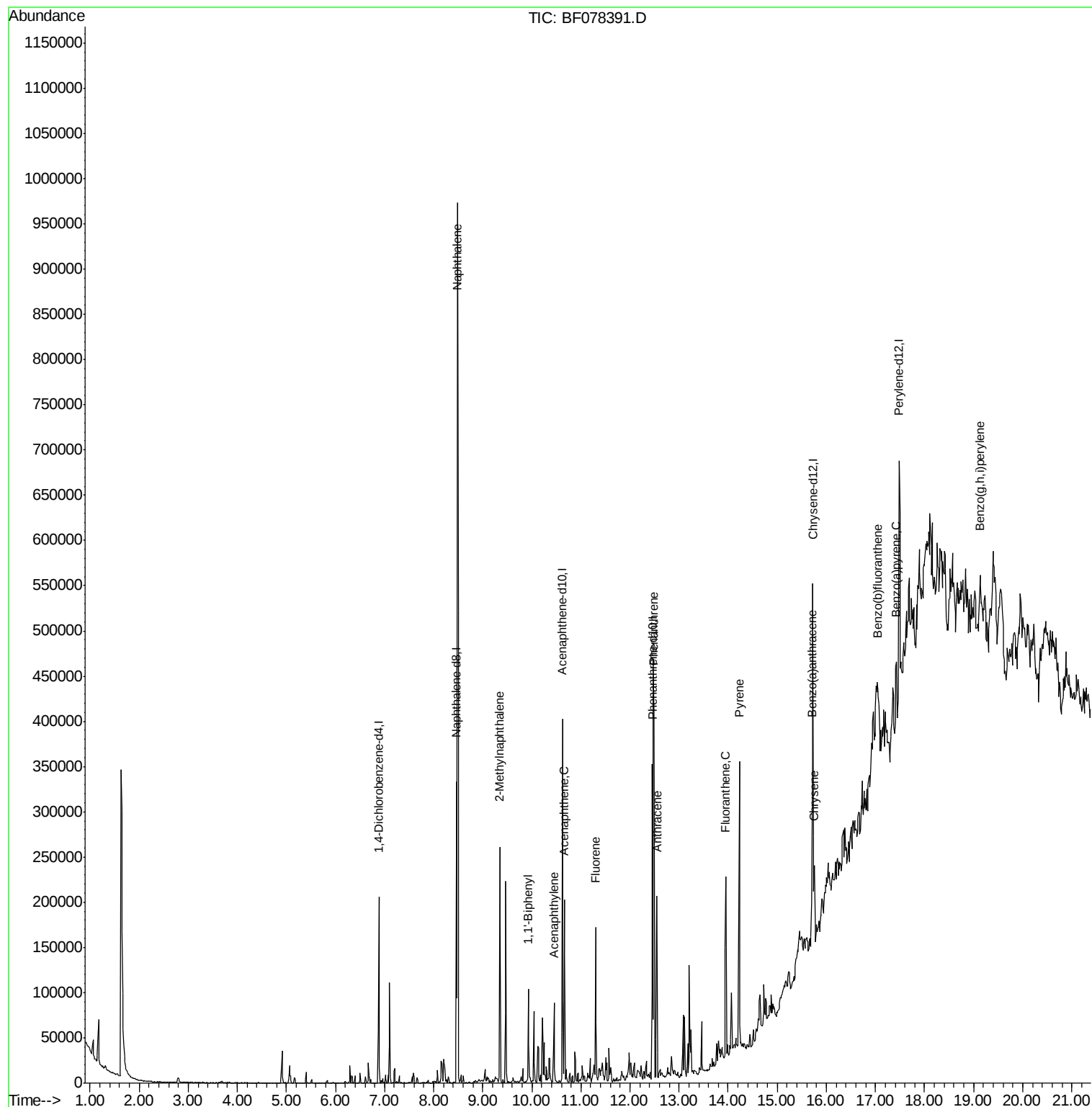
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078391.D
Acq On : 10 Apr 2015 8:45
Operator : TP/IZ
Sample : G1793-07DL2 50X
Misc :
ALS Vial : 32 Sample Multiplier: 1

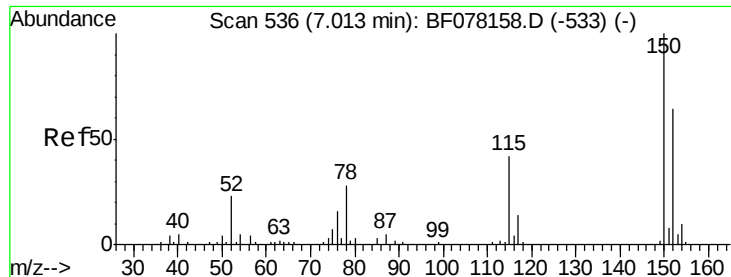
Instrument :
BNA_F
ClientSampleId :
SB-5DDL2

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM

Quant Time: Apr 10 08:34:17 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 11:29:31 2015
Response via : Initial Calibration





#1

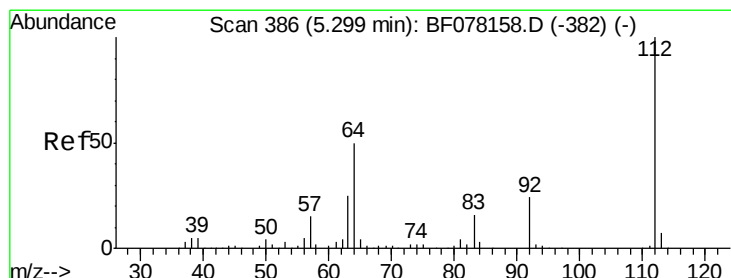
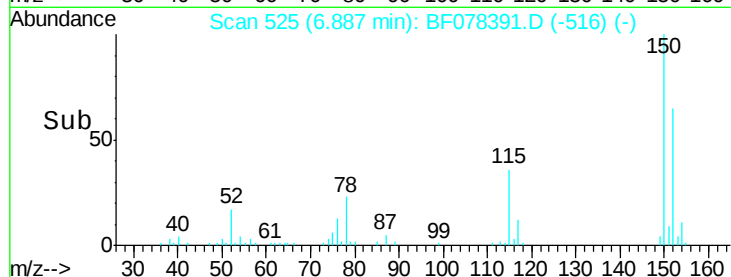
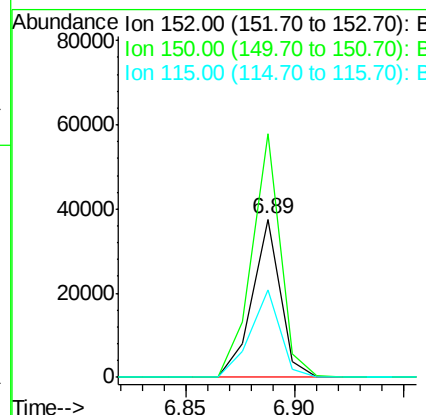
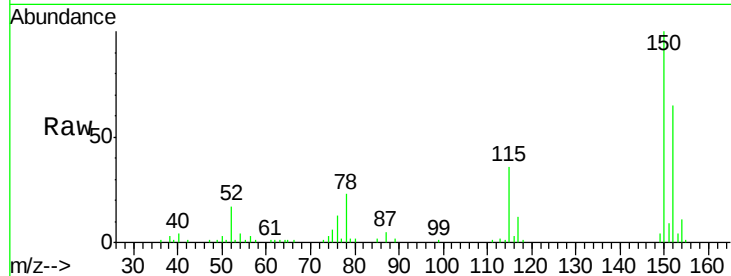
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Instrument :
BNA_F
ClientSampleId :
SB-5DDL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.9	188.9
115	55.5	52.7	79.1

Manual Integrations
APPROVED

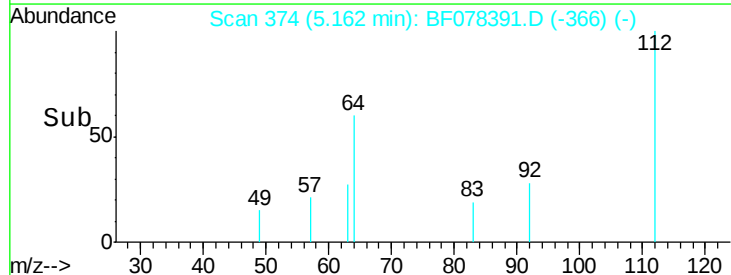
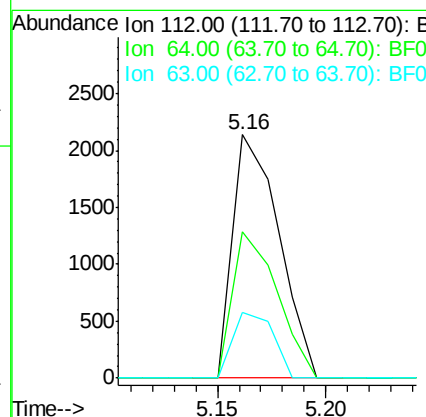
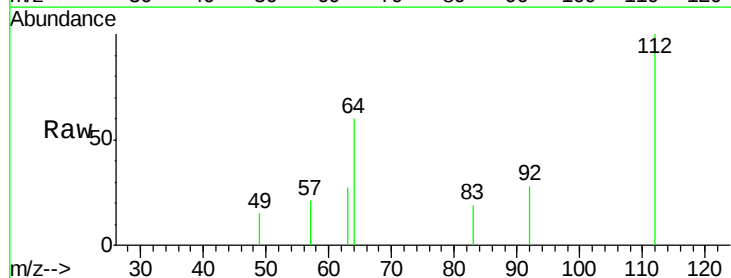
apatel
4/10/2015 5:13:41 PM

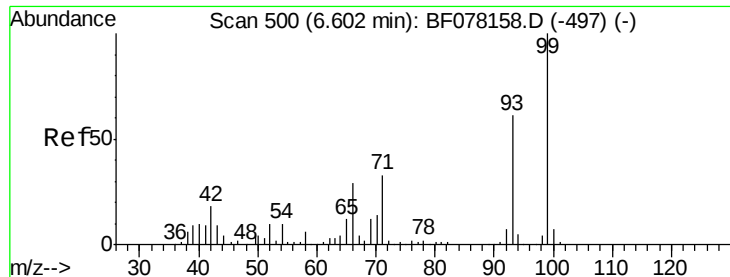


#5

2-Fluorophenol
Concen: 1.54 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	39.9	59.9#
63	27.2	20.2	30.4





#7

Phenol-d6

Concen: 1.78 ng

RT: 6.50 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Instrument :

BNA_F

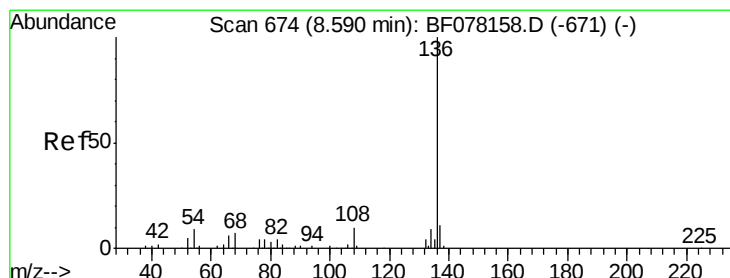
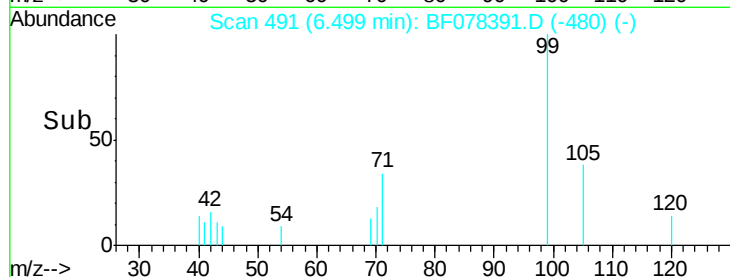
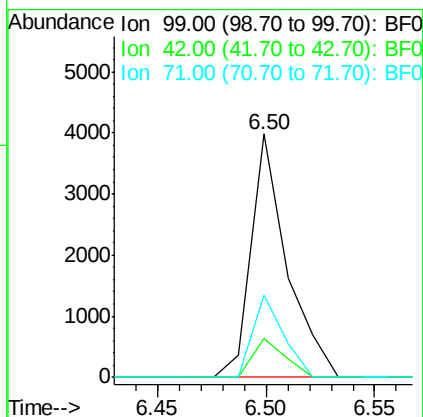
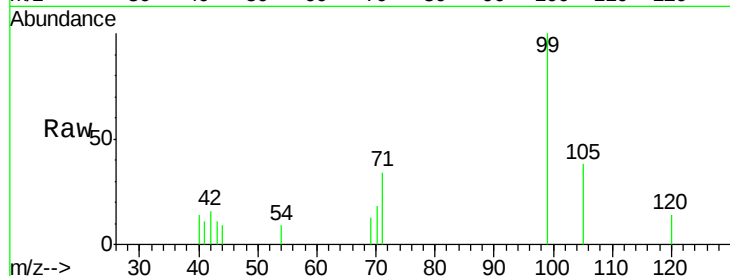
ClientSampled :

SB-5DDL2

Tot Ion:	99	Resp:	4564
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.8	22.2
71	33.6	26.6	39.8

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM



#21

Naphthalene-d8

Concen: 20.00 ng

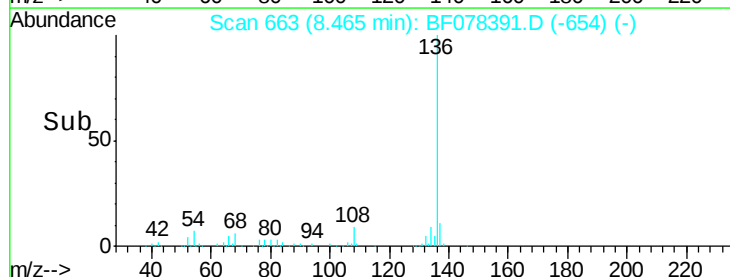
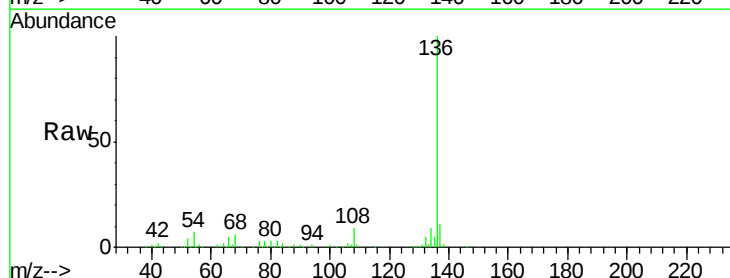
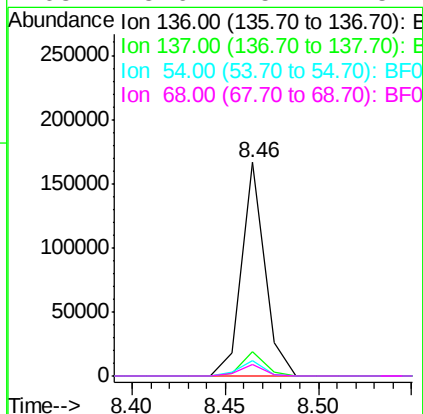
RT: 8.46 min Scan# 663

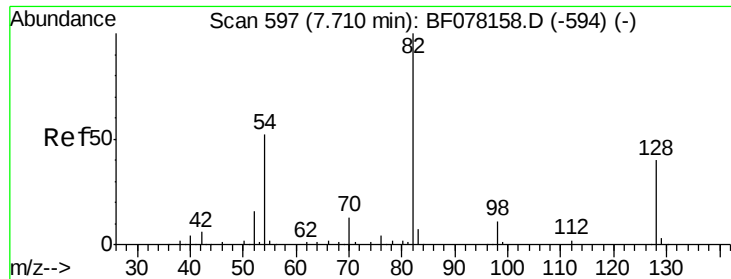
Delta R.T. 0.00 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Tgt Ion:	136	Resp:	144747
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.2	7.0	10.6
68	5.6	5.4	8.2





#23

Nitrobenzene-d5

Concen: 0.77 ng

RT: 7.58 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Instrument :

BNA_F

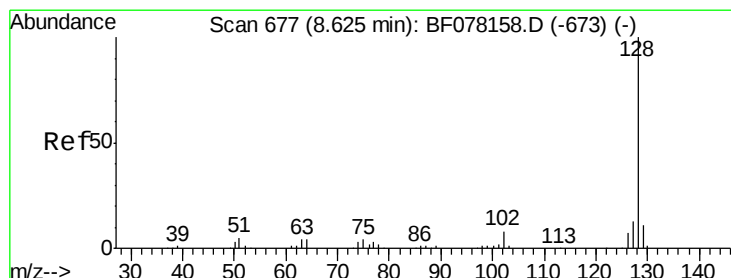
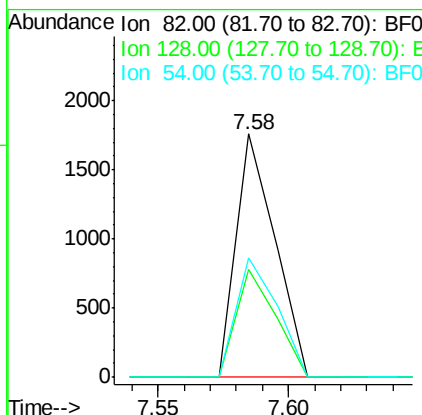
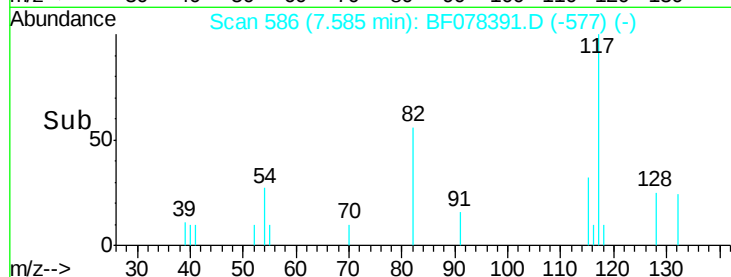
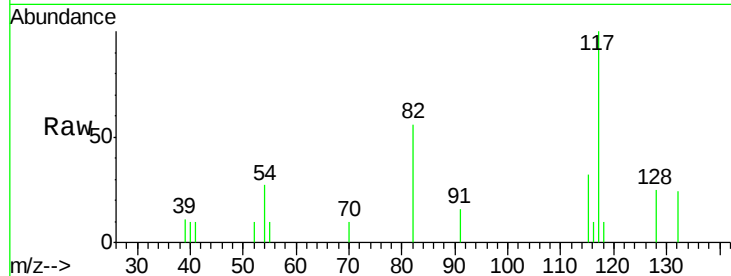
ClientSampleId :

SB-5DDL2

Tot Ion:	82	Resp:	1835
Ion Ratio	Lower	Upper	
82	100		
128	44.1	31.8	47.8
54	49.0	41.5	62.3

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM



#31

Naphthalene

Concen: 71.16 ng

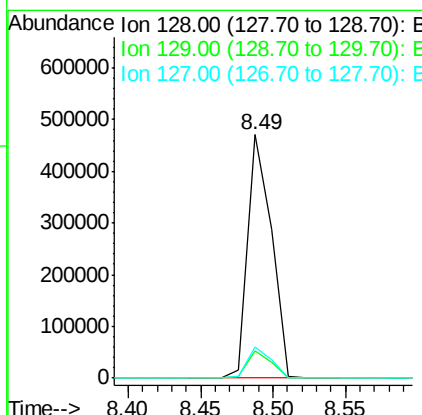
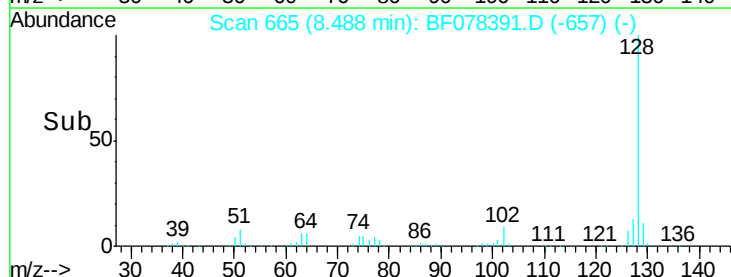
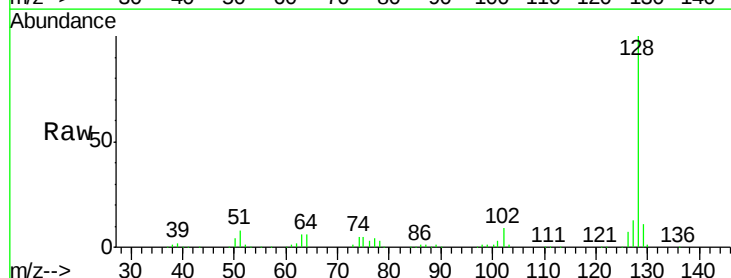
RT: 8.49 min Scan# 665

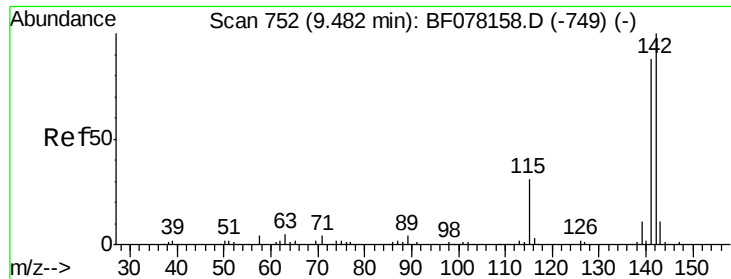
Delta R.T. -0.01 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Tgt Ion:	128	Resp:	536138
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.6	12.8
127	13.0	10.7	16.1





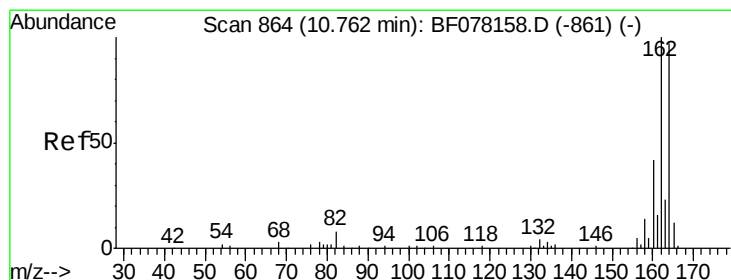
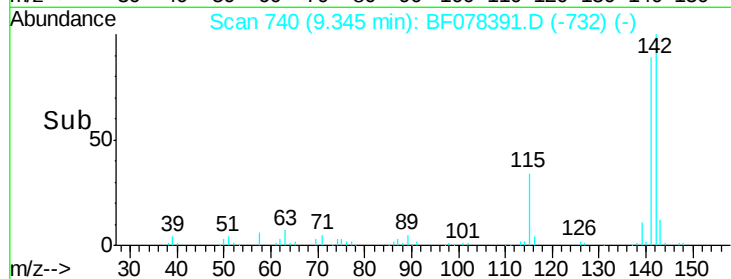
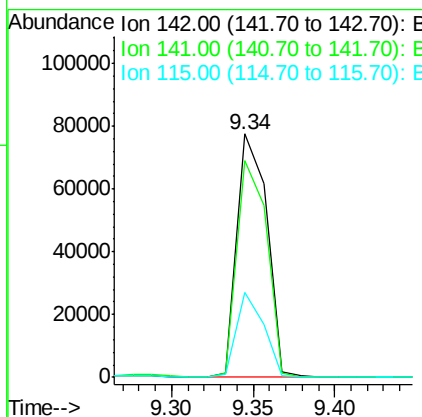
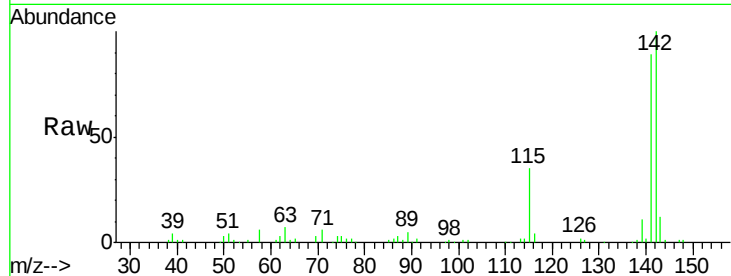
#37
 2-Methylnaphthalene
 Concen: 19.14 ng
 RT: 9.34 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Instrument :
 BNA_F
 ClientSampleID :
 SB-5DDL2

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	34.8	24.6	37.0

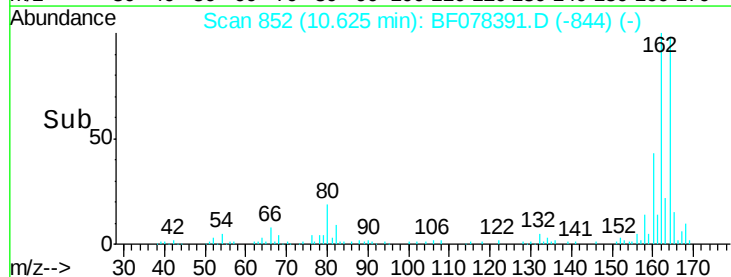
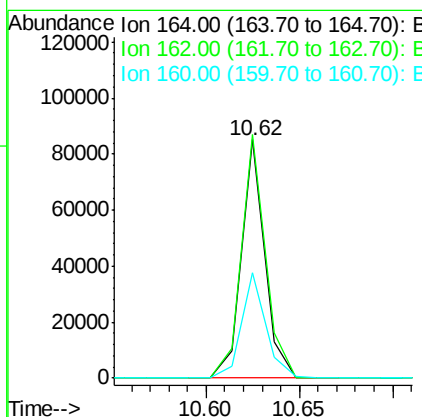
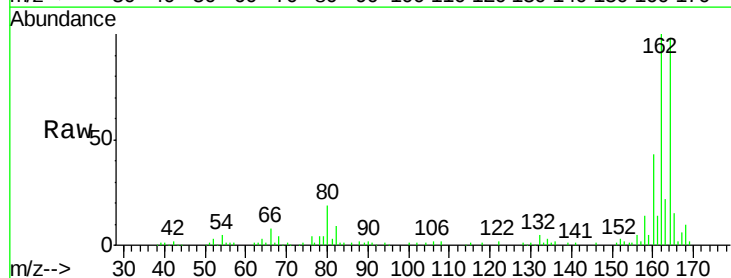
Manual Integrations
 APPROVED

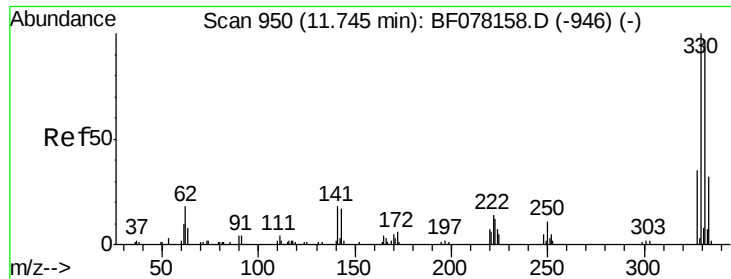
apatel
 4/10/2015 5:13:41 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.62 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.2
160	44.4	34.7	52.1





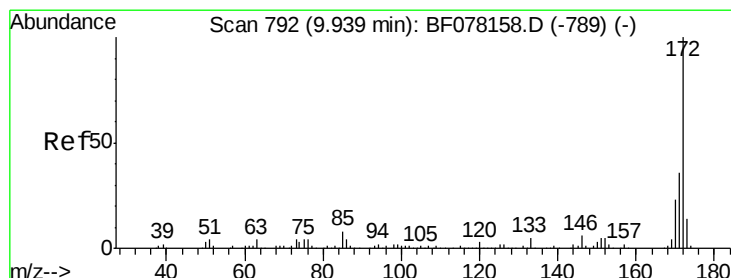
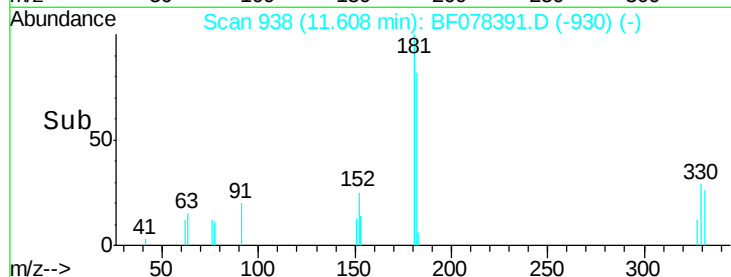
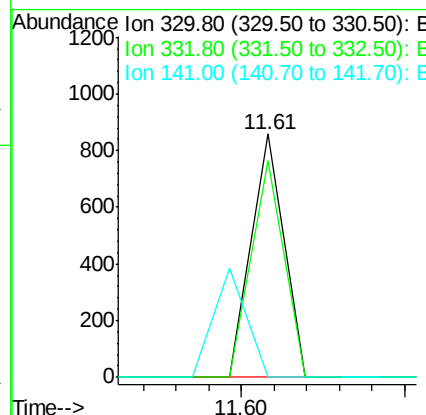
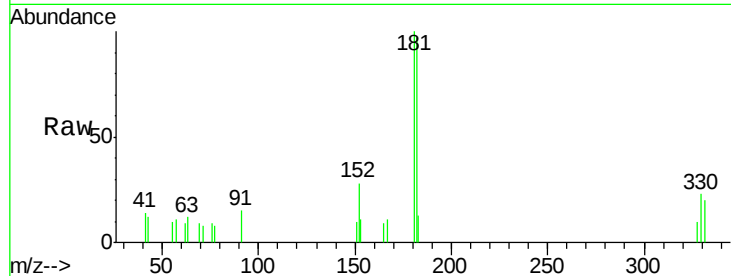
#41
 2,4,6-Tribromophenol
 Concen: 0.96 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL2

Tot Ion:	330	Resp:	589
Ion Ratio	Lower	Upper	
330	100		
332	88.8	78.6	117.8
141	44.8	31.2	46.8

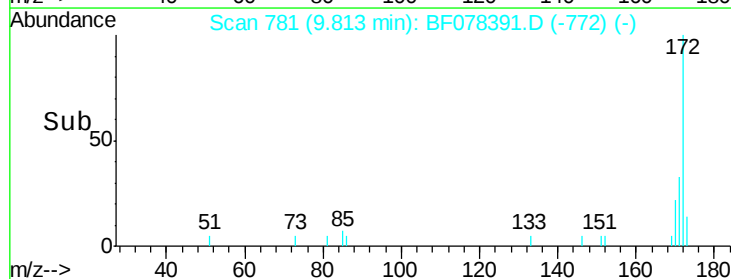
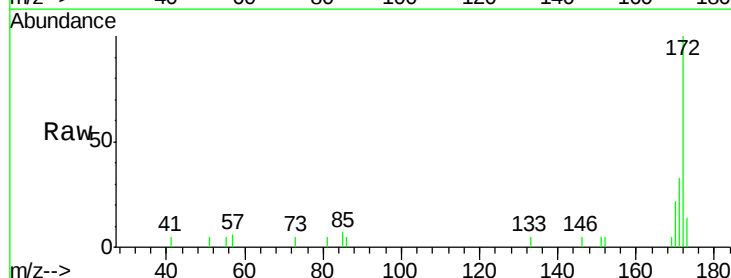
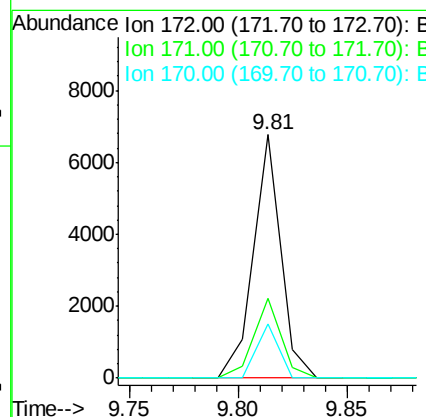
Manual Integrations
 APPROVED

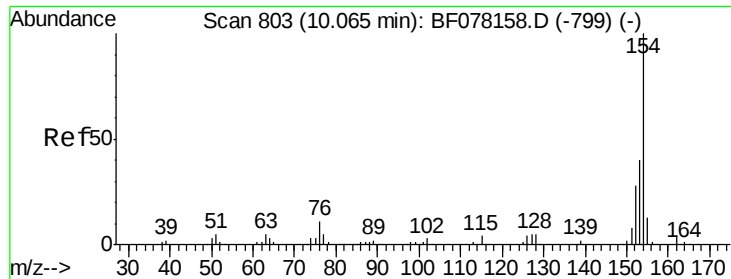
apatel
 4/10/2015 5:13:41 PM



#44
 2-Fluorobiphenyl
 Concen: 1.14 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Tgt Ion:	172	Resp:	5936
Ion Ratio	Lower	Upper	
172	100		
171	32.8	28.6	42.8
170	22.2	18.5	27.7





#45

1,1'-Biphenyl

Concen: 6.21 ng

RT: 9.93 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Instrument :

BNA_F

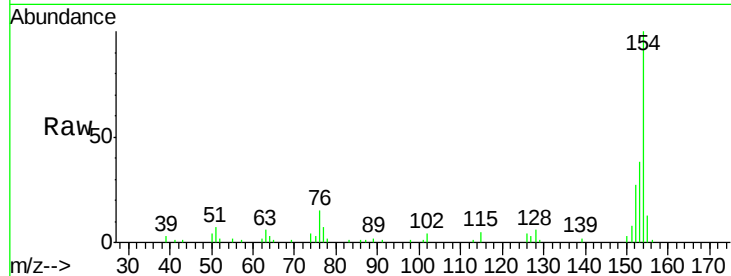
ClientSampleID :

SB-5DDL2

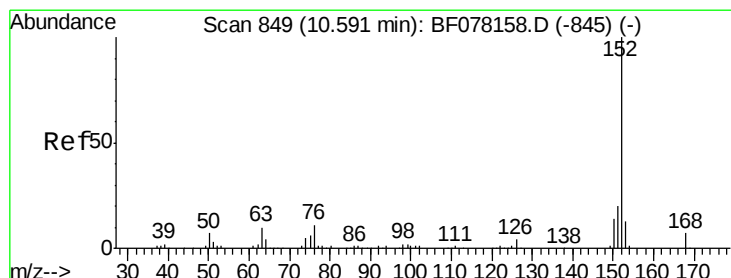
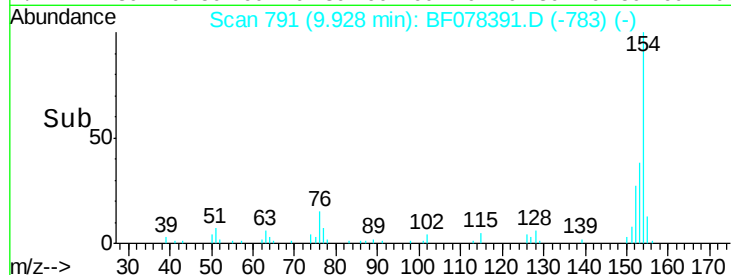
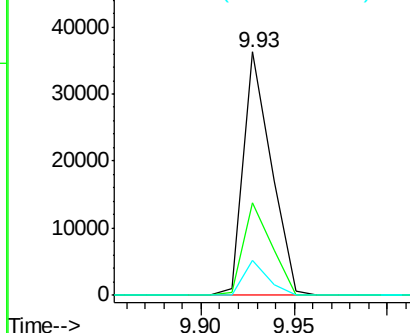
Tot Ion:	154	Resp:	37679
Ion Ratio	Lower	Upper	
154	100		
153	38.2	20.0	60.0
76	14.5	0.0	30.6

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.60 ng

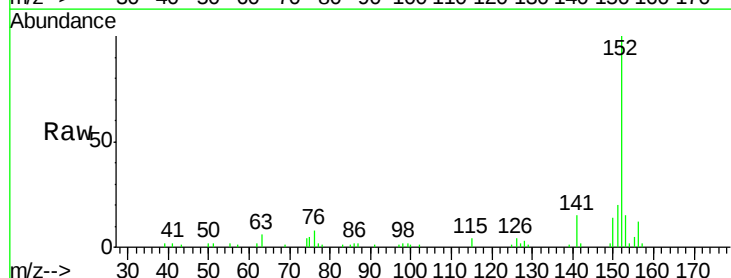
RT: 10.45 min Scan# 837

Delta R.T. -0.01 min

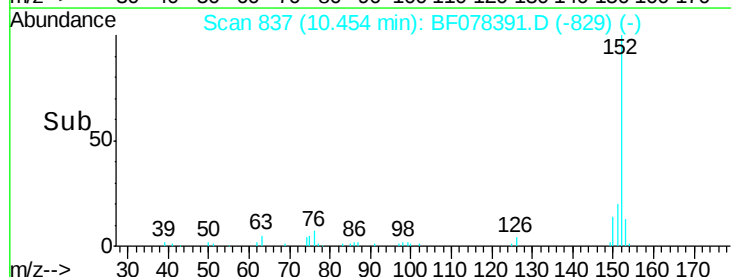
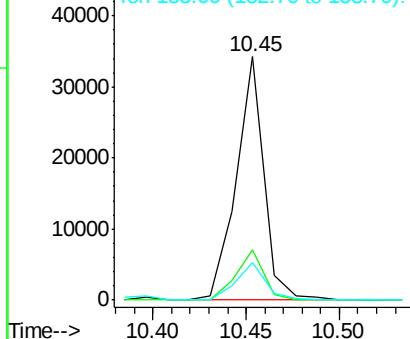
Lab File: BF078391.D

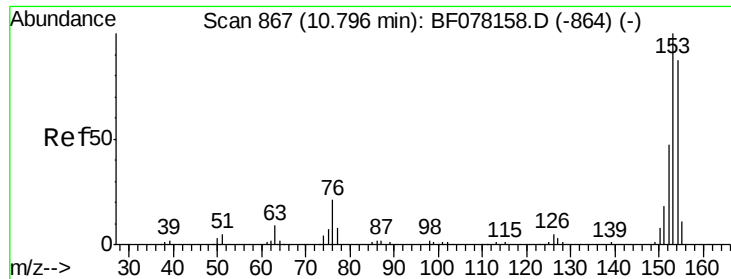
Acq: 10 Apr 2015 8:45

Tgt Ion:	152	Resp:	35478
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.7	23.5
153	15.3	10.2	15.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 13.73 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Instrument :

BNA_F

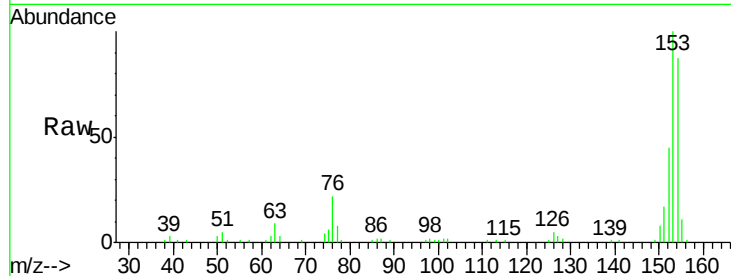
ClientSampleId :

SB-5DDL2

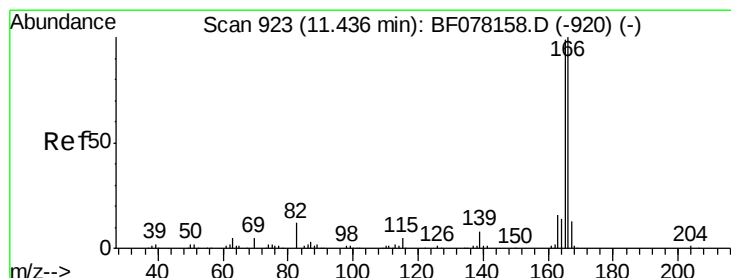
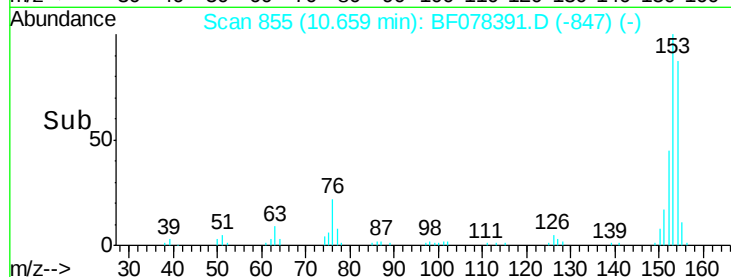
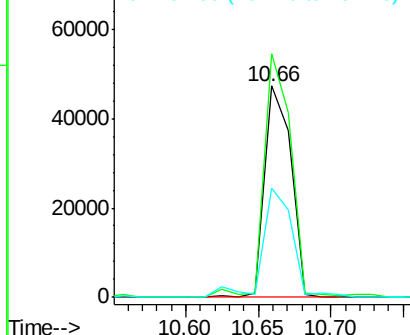
Tot Ion:	154	Resp:	59601
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.4	137.2
152	51.4	43.0	64.6

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 10.99 ng

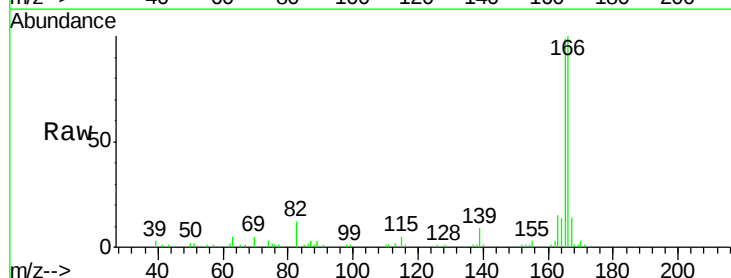
RT: 11.30 min Scan# 911

Delta R.T. -0.01 min

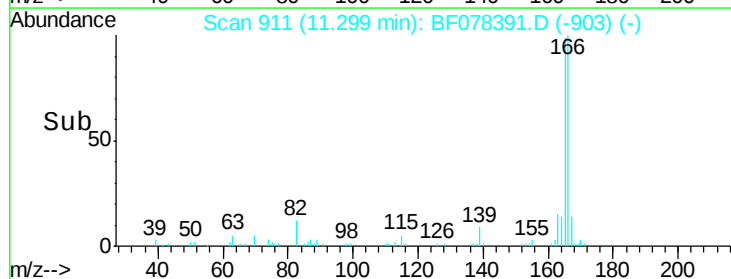
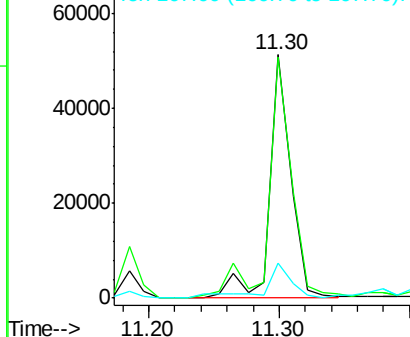
Lab File: BF078391.D

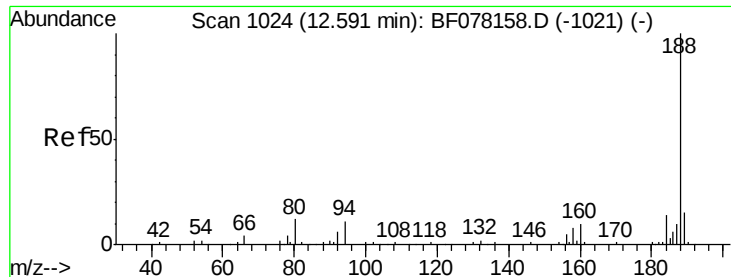
Acq: 10 Apr 2015 8:45

Tgt Ion:	166	Resp:	59069
Ion Ratio	Lower	Upper	
166	100		
165	99.3	78.9	118.3
167	14.1	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





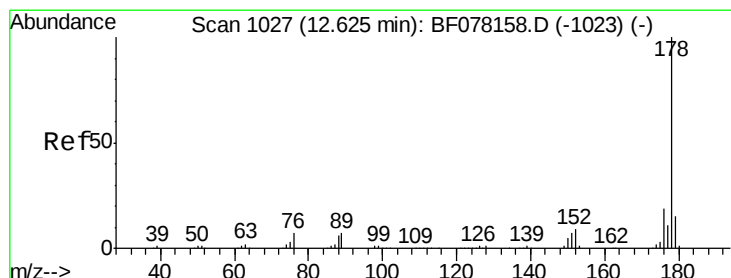
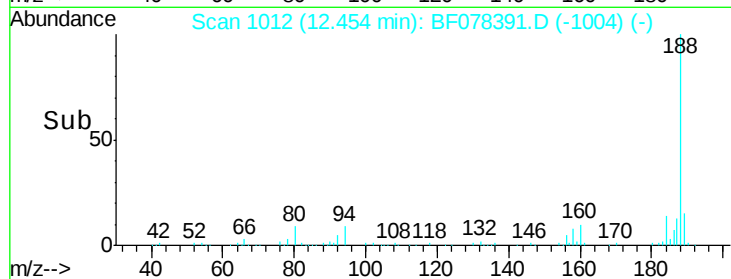
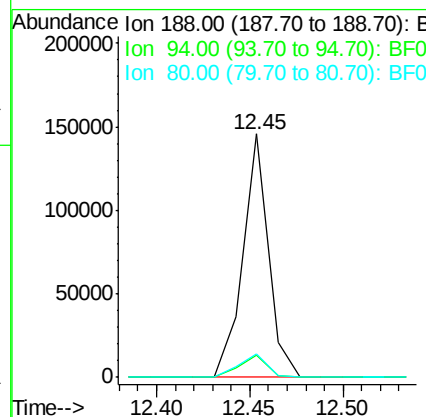
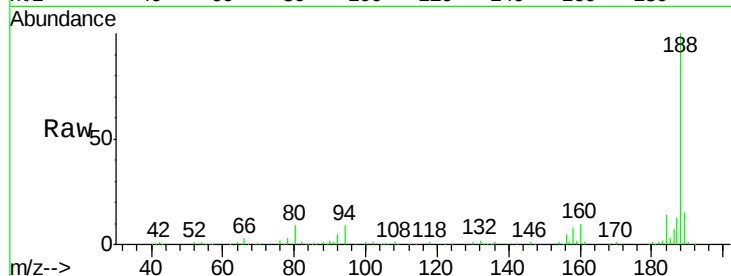
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.4	9.5	14.3

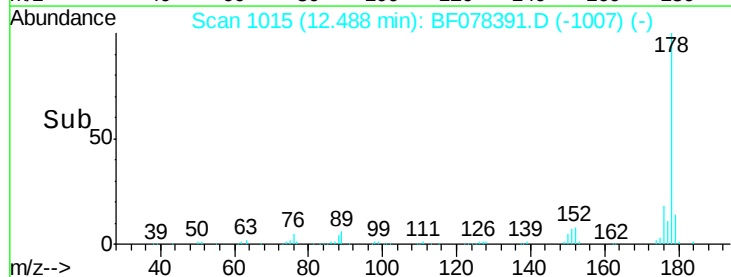
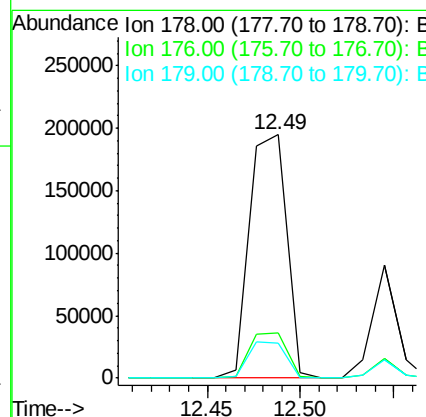
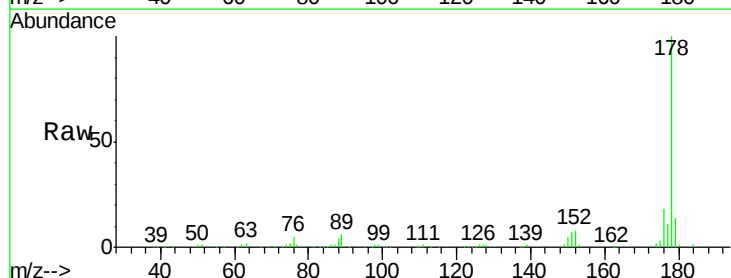
Manual Integrations
 APPROVED

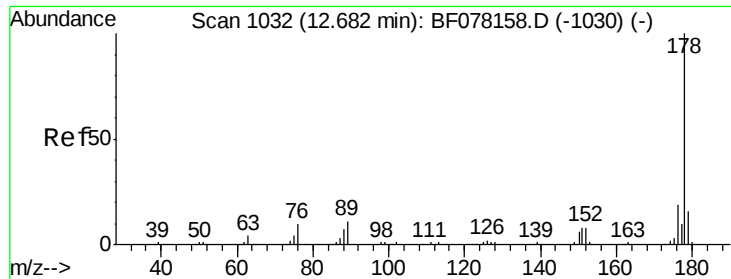
apatel
 4/10/2015 5:13:41 PM



#70
 Phenanthrene
 Concen: 33.41 ng
 RT: 12.49 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.4	23.0
179	14.4	12.2	18.2





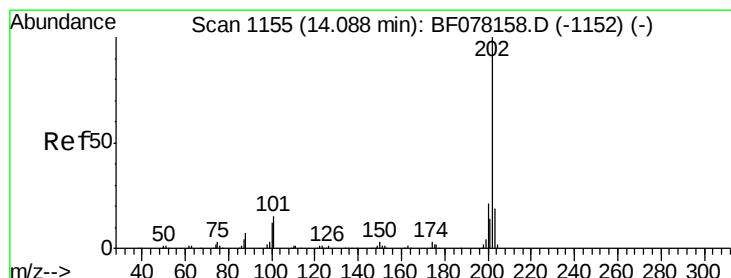
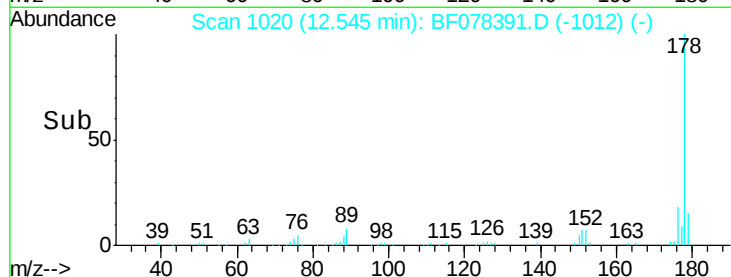
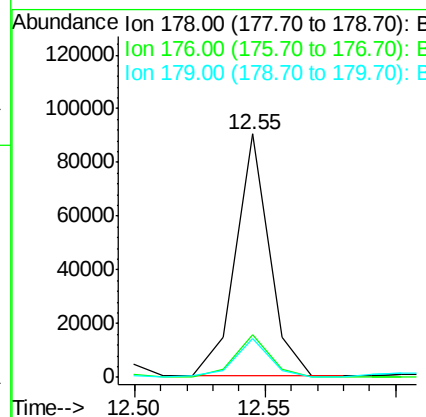
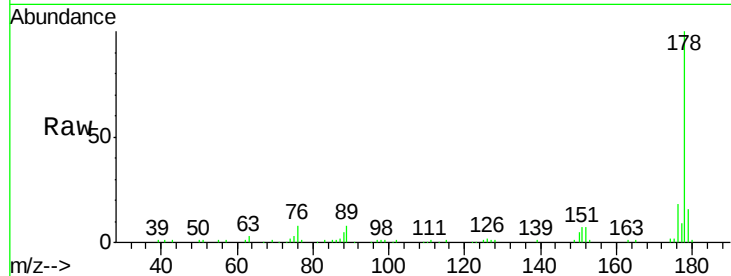
#71
 Anthracene
 Concen: 10.32 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.8	22.2
179	15.7	12.4	18.6

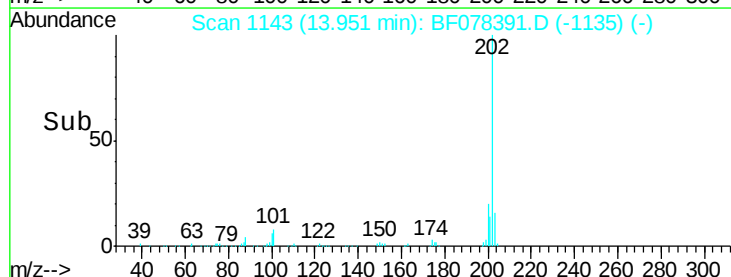
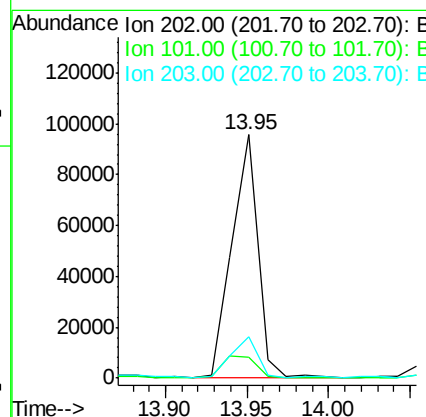
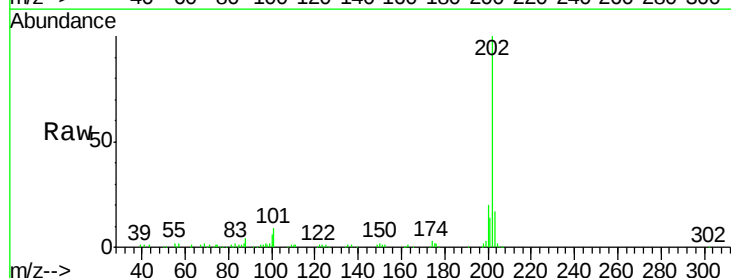
Manual Integrations
 APPROVED

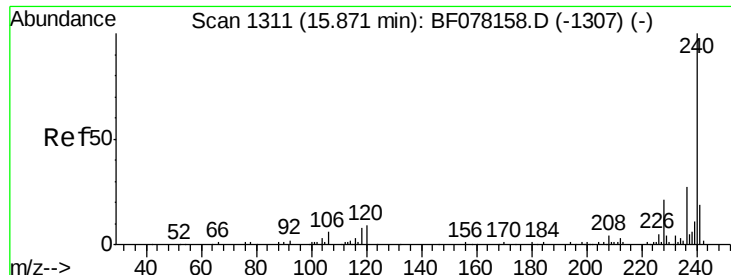
apatel
 4/10/2015 5:13:41 PM



#74
 Fluoranthene
 Concen: 12.41 ng
 RT: 13.95 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	35.2
203	17.0	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Instrument :

BNA_F

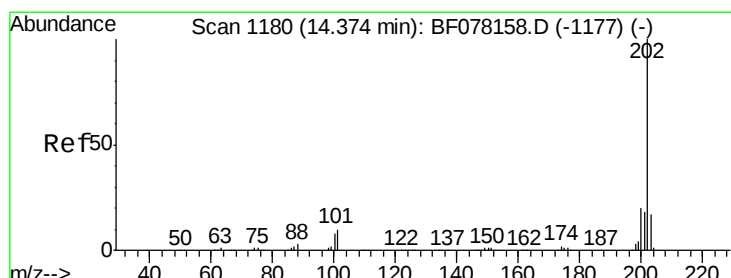
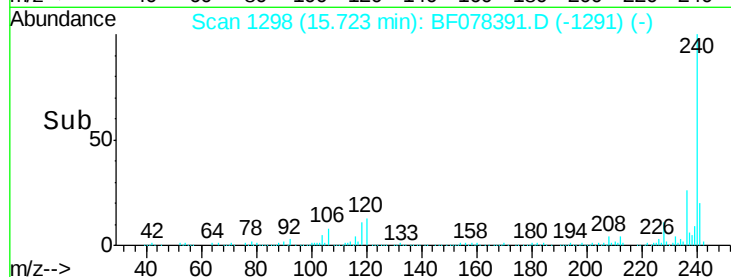
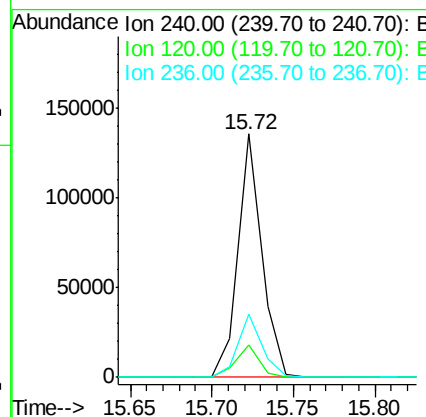
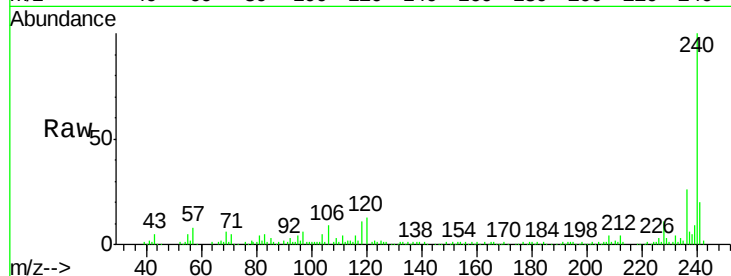
ClientSampleId :

SB-5DDL2

Tot Ion:	240	Resp:	136376
Ion Ratio	Lower	Upper	
240	100		
120	13.1	7.1	10.7#
236	25.8	21.4	32.2

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM



#77

Pyrene

Concen: 17.66 ng

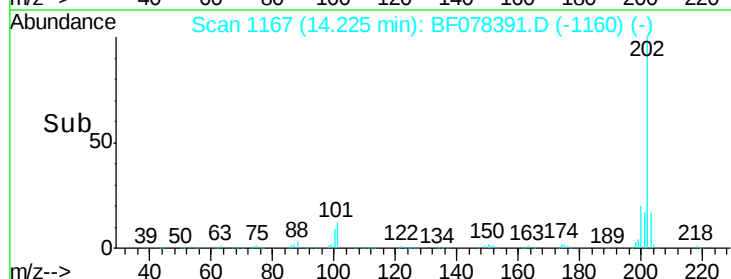
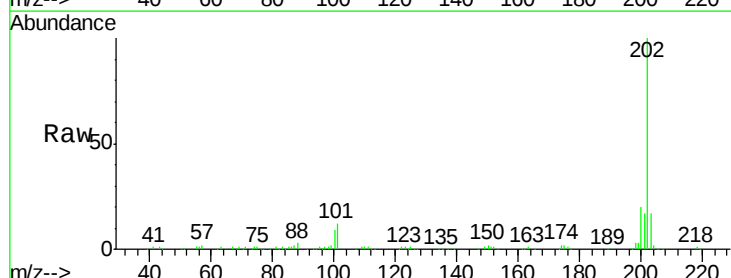
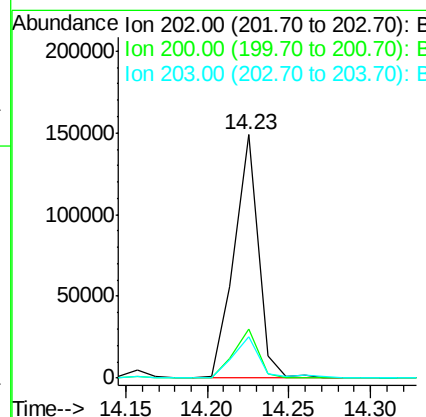
RT: 14.23 min Scan# 1167

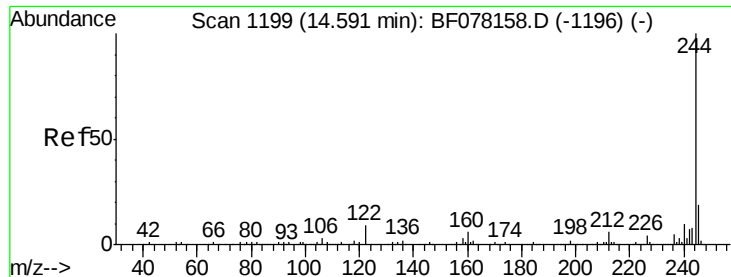
Delta R.T. -0.02 min

Lab File: BF078391.D

Acq: 10 Apr 2015 8:45

Tgt Ion:	202	Resp:	151227
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.3	24.5
203	17.2	13.8	20.6





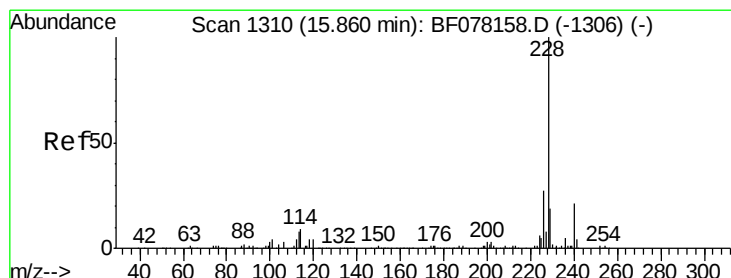
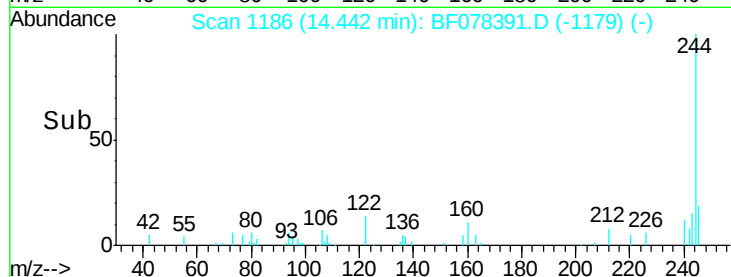
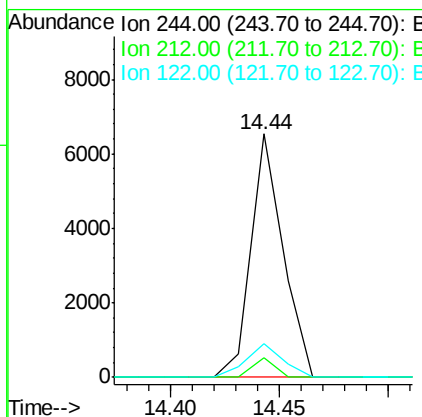
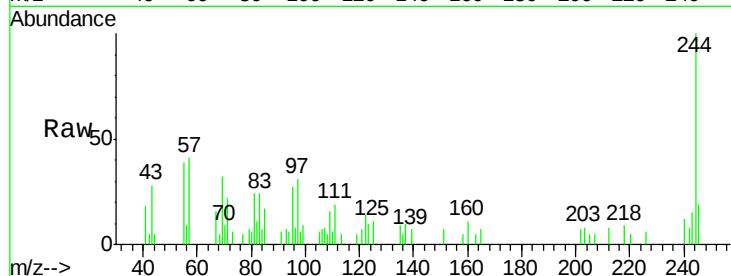
#78
 Terphenyl-d14
 Concen: 1.11 ng
 RT: 14.44 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.0	7.4#
122	14.0	7.1	10.7#

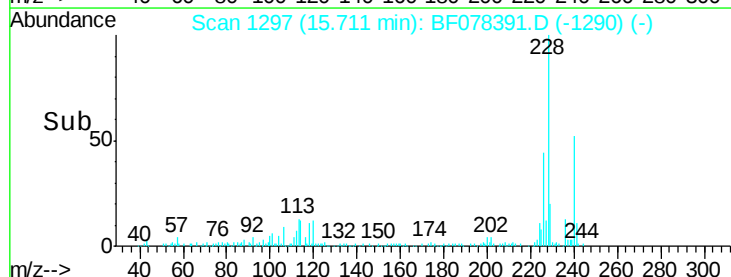
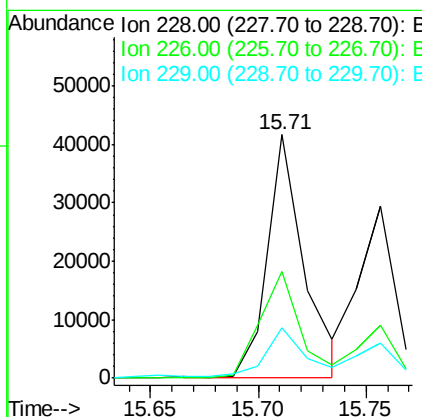
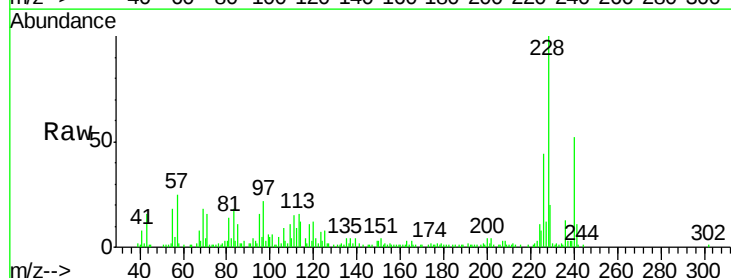
Manual Integrations
 APPROVED

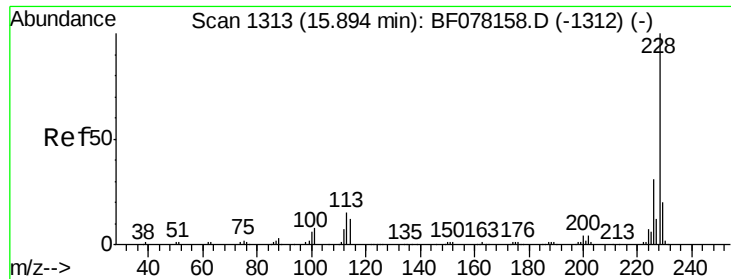
apatel
 4/10/2015 5:13:41 PM



#80
 Benzo(a)anthracene
 Concen: 6.05 ng m
 RT: 15.71 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF078391.D
 Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.6	21.3	31.9#
229	20.5	15.4	23.2





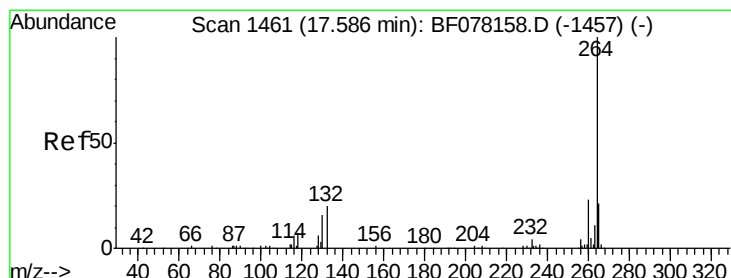
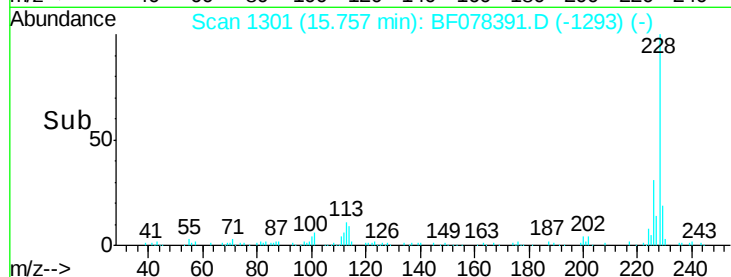
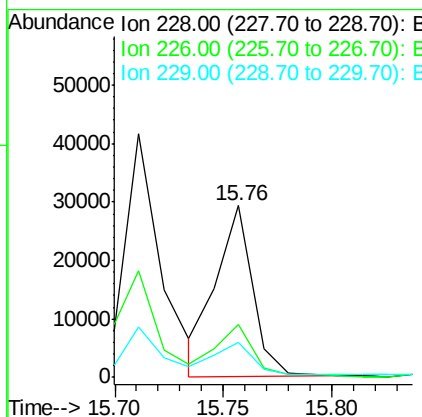
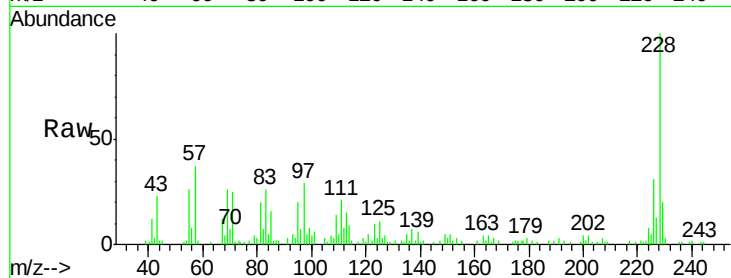
#82
Chrysene
Concen: 4.44 ng
RT: 15.76 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Instrument :
BNA_F
ClientSampled :
SB-5DDL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	20.4	15.8	23.8

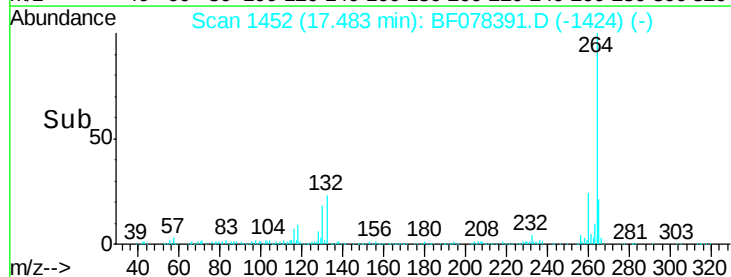
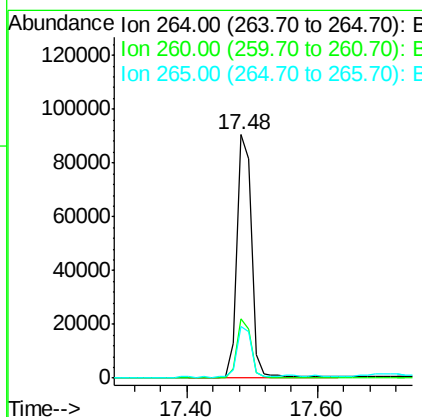
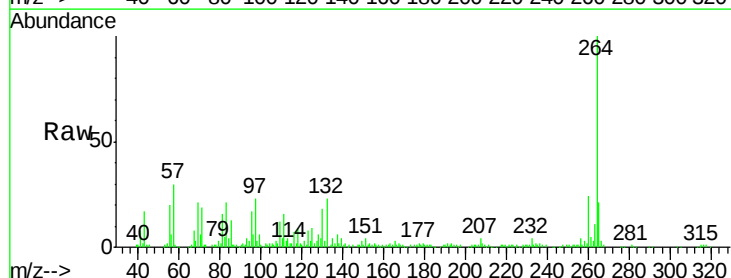
Manual Integrations
APPROVED

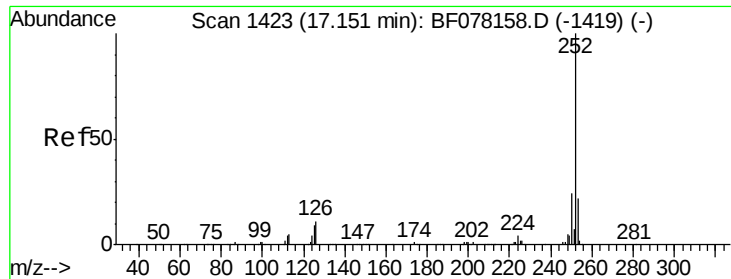
apatel
4/10/2015 5:13:41 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.48 min Scan# 1452
Delta R.T. 0.02 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	21.0	17.0	25.6





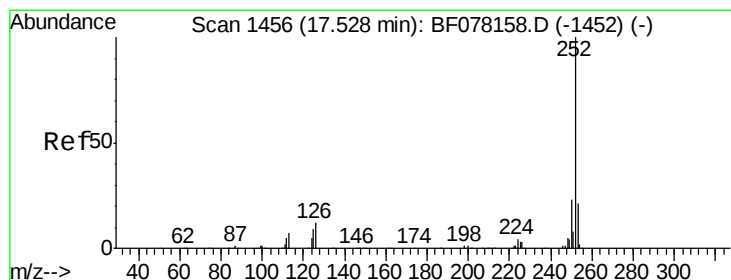
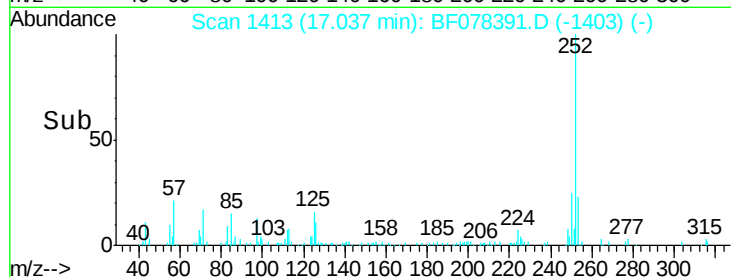
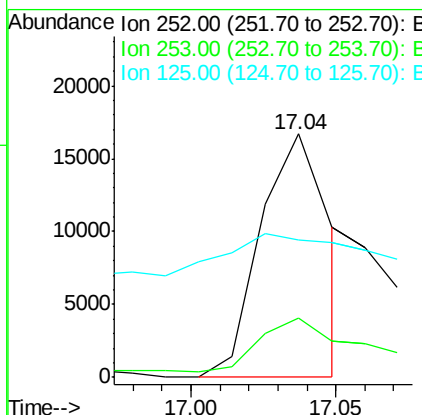
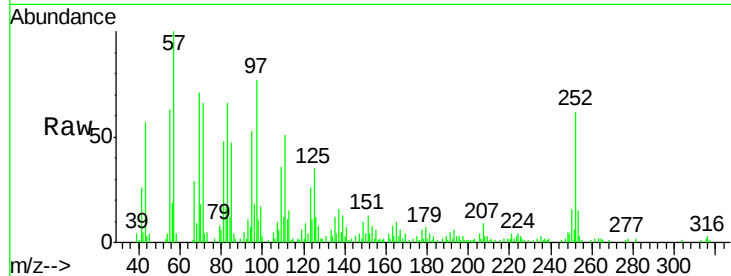
#87
Benzo(b)fluoranthene
Concen: 3.20 ng m
RT: 17.04 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Instrument :
BNA_F
ClientSampleId :
SB-5DDL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	56.5	7.0	10.4

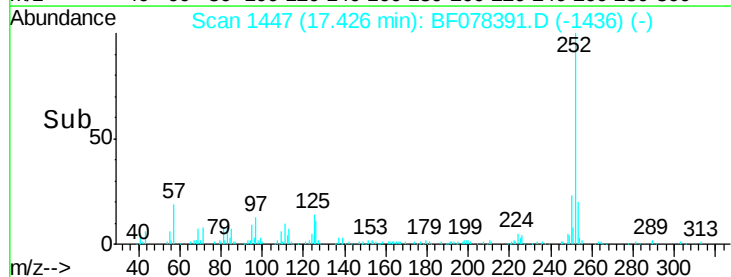
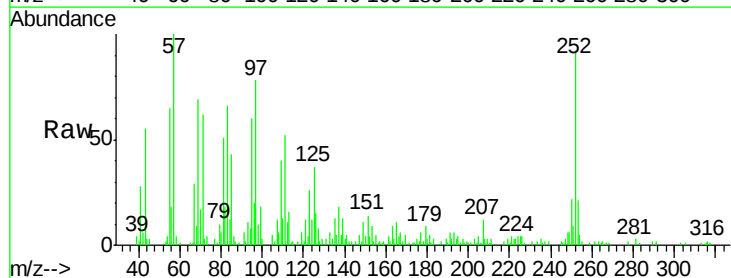
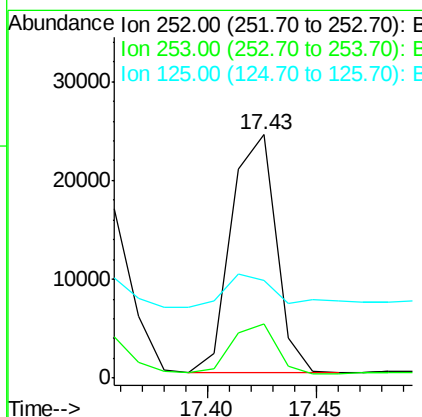
Manual Integrations
APPROVED

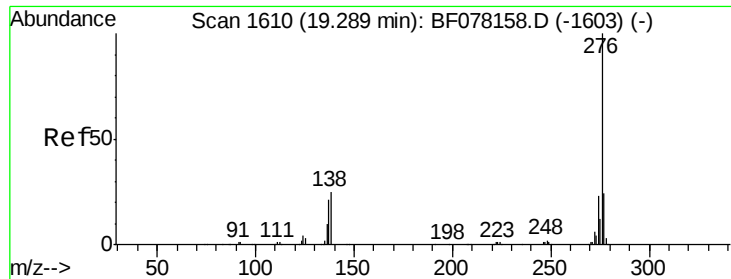
apatel
4/10/2015 5:13:41 PM



#89
Benzo(a)pyrene
Concen: 4.61 ng
RT: 17.43 min Scan# 1447
Delta R.T. 0.02 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.8	25.2
125	40.2	7.4	11.0





#91
Benzo(a,h,i)perylene
Concen: 2.02 ng/ml
RT: 19.13 min Scan# 1596
Delta R.T. -0.03 min
Lab File: BF078391.D
Acq: 10 Apr 2015 8:45

Instrument :
BNA_F
ClientSampleId :
SB-5DDL2

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.0	28.4
138	43.0	19.9	29.9

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:41 PM

