

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078394.D
 Acq On : 10 Apr 2015 10:11
 Operator : TP/IZ
 Sample : G1793-03DL 50X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL

Manual Integrations
 APPROVED

apatel
 4/10/2015 5:13:54 PM

Quant Time: Apr 10 13:08:15 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	35339	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	151123	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	74698	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	141195	20.00	ng	-0.01
75) Chrysene-d12	15.71	240	148567	20.00	ng	-0.03
86) Perylene-d12	17.44	264	144907	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	3136	1.46	ng	-0.01
7) Phenol-d6	6.50	99	4412	1.64	ng	0.02
23) Nitrobenzene-d5	7.58	82	2353	0.94	ng	0.00
41) 2,4,6-Tribromophenol	11.61	330	632	1.02	ng	-0.01
44) 2-Fluorobiphenyl	9.81	172	6707	1.28	ng	0.00
78) Terphenyl-d14	14.44	244	6981	1.06	ng	-0.02
Target Compounds						
31) Naphthalene	8.49	128	875008	111.24	ng	99
37) 2-Methylnaphthalene	9.34	142	148736	27.85	ng	98
45) 1,1'-Biphenyl	9.93	154	67997	11.13	ng	99
48) Acenaphthylene	10.45	152	49179	6.34	ng	98
51) Acenaphthene	10.66	154	149493	34.20	ng	99
57) Fluorene	11.30	166	108398	20.03	ng	99
70) Phenanthrene	12.48	178	530856	65.00	ng	99
71) Anthracene	12.55	178	114099	14.18	ng	99
74) Fluoranthene	13.94	202	234166	27.19	ng	97
77) Pyrene	14.21	202	328705	35.24	ng	97
80) Benzo(a)anthracene	15.70	228	103046m	11.66	ng	
82) Chrysene	15.75	228	67532	8.13	ng	98
85) Indeno(1,2,3-cd)pyrene	18.69	276	32578	3.46	ng	# 86
87) Benzo(b)fluoranthene	17.00	252	68247m	7.62	ng	
88) Benzo(k)fluoranthene	17.03	252	21441m	2.69	ng	
89) Benzo(a)pyrene	17.37	252	82173	10.51	ng	# 95
91) Benzo(a,h,i)perylene	19.05	276	41068m	5.23	ng	

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

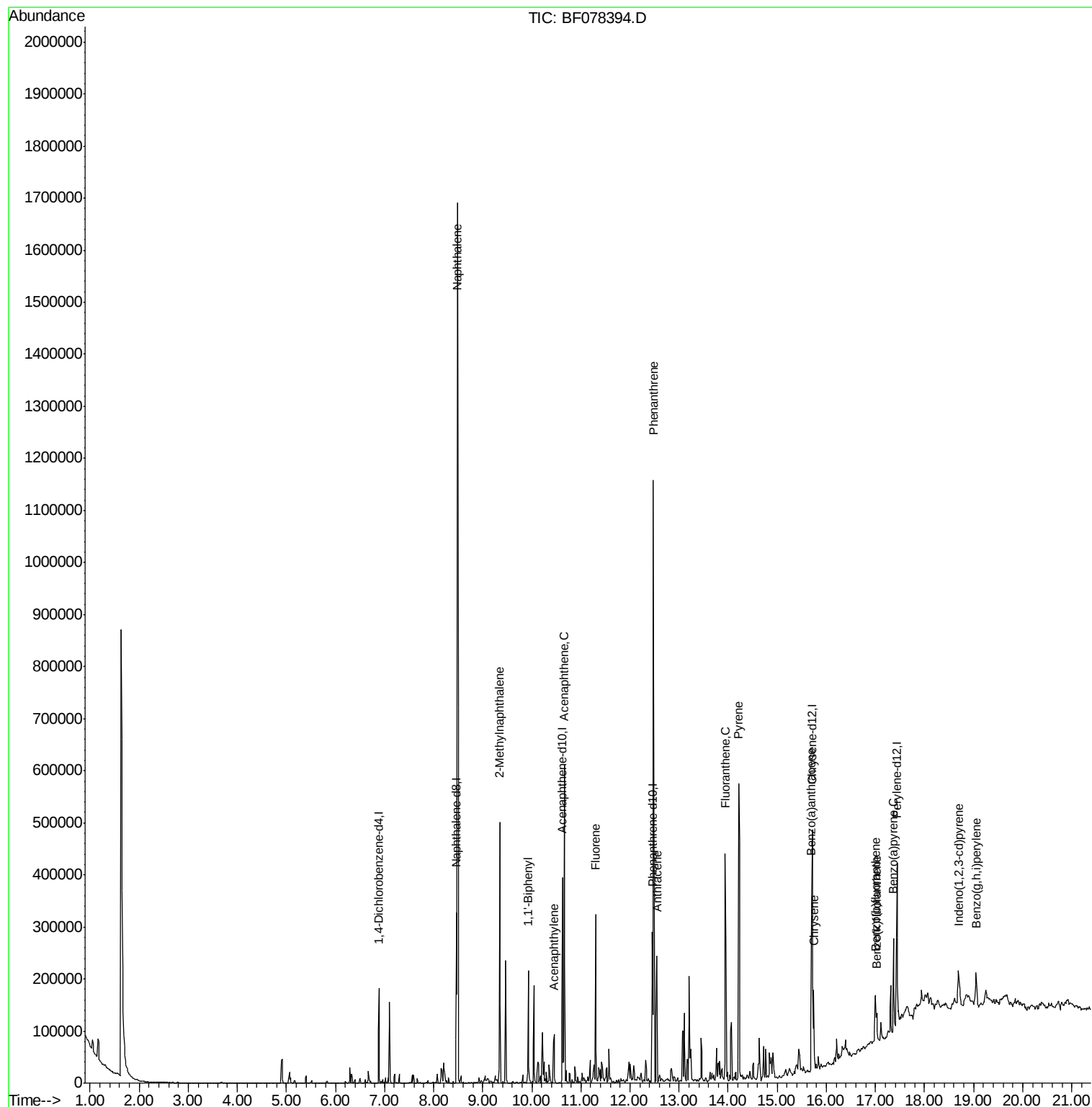
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078394.D
Acq On : 10 Apr 2015 10:11
Operator : TP/IZ
Sample : G1793-03DL 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

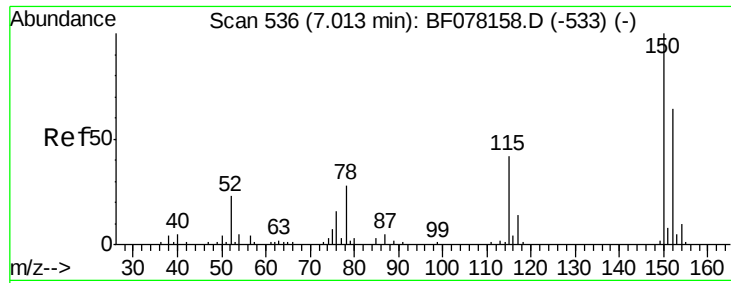
Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:54 PM

Quant Time: Apr 10 13:08:15 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

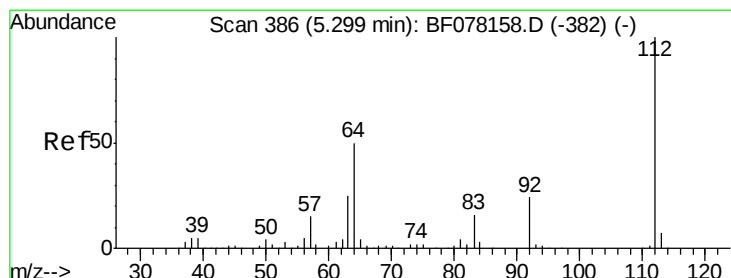
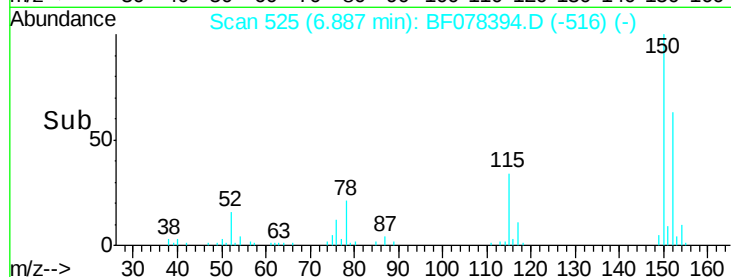
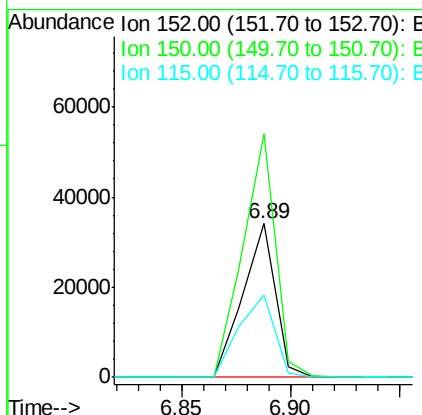
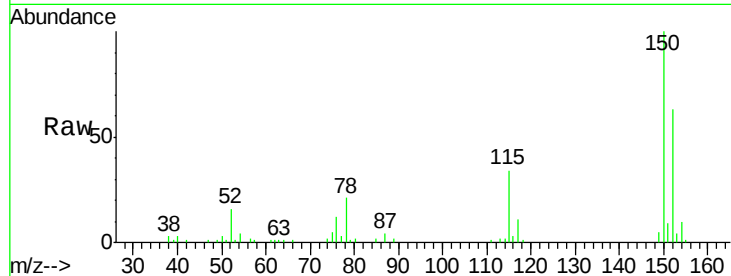
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.9	188.9
115	53.6	52.7	79.1

Manual Integrations
APPROVED

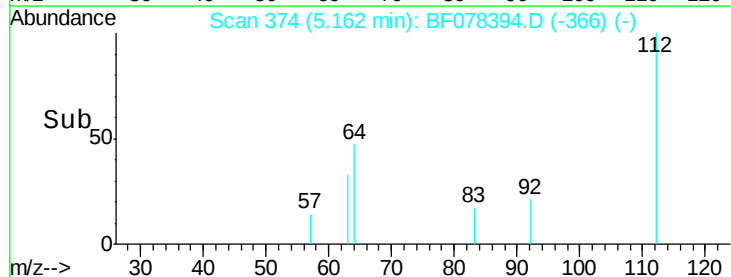
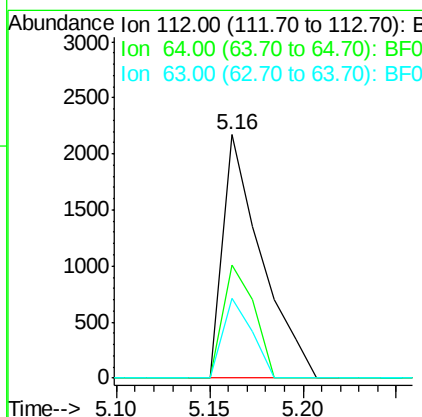
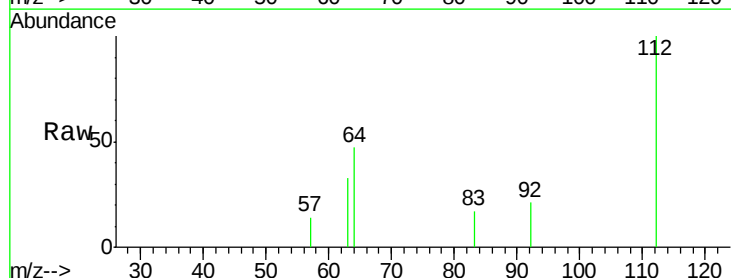
apatel
4/10/2015 5:13:54 PM

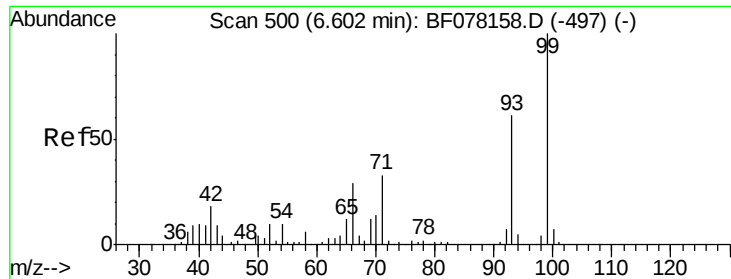


#5

2-Fluorophenol
Concen: 1.46 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.6	39.9	59.9
63	32.7	20.2	30.4





#7

Phenol-d6

Concen: 1.64 ng

RT: 6.50 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Instrument :

BNA_F

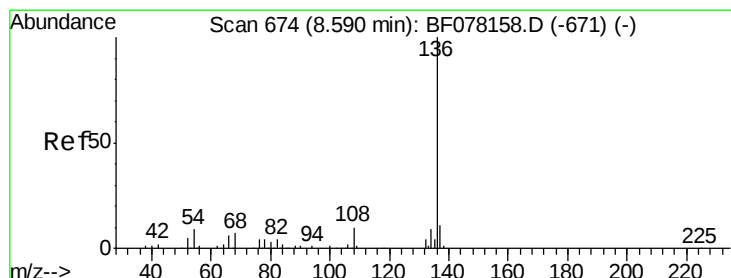
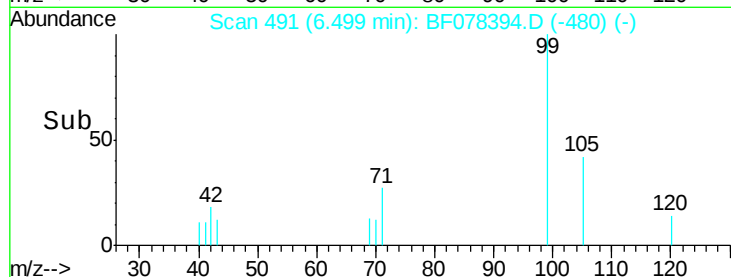
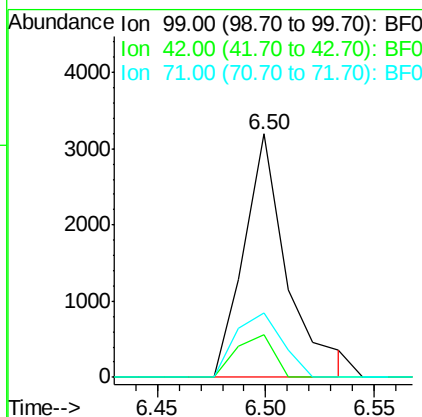
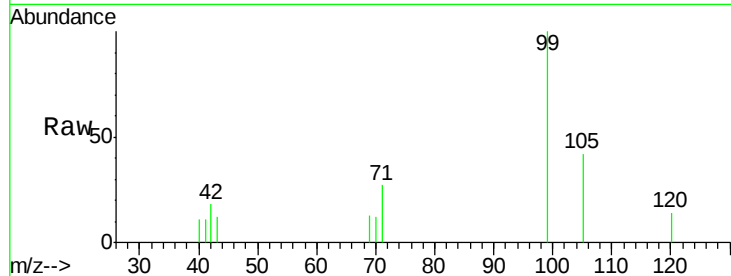
ClientSampleId :

SB-3DADL

Tot Ion:	99	Resp:	4412
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.8	22.2
71	26.7	26.6	39.8

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:54 PM



#21

Naphthalene-d8

Concen: 20.00 ng

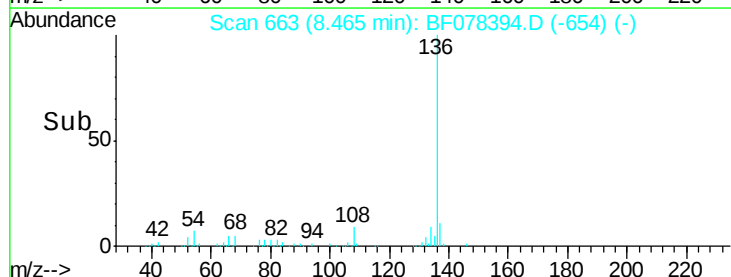
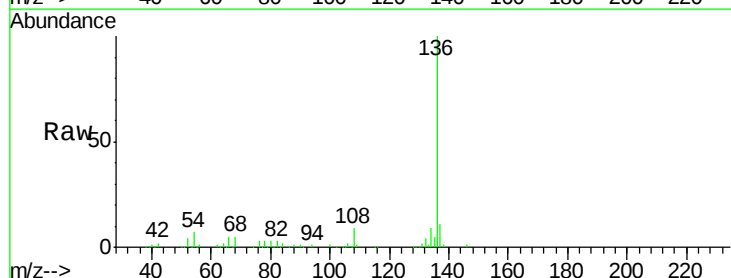
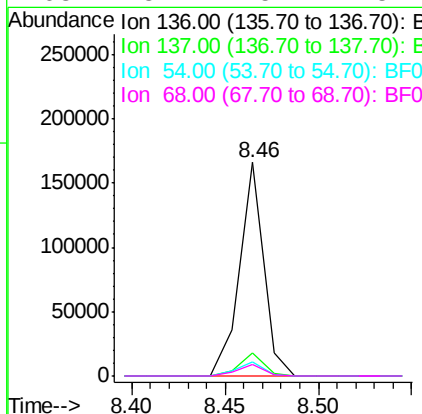
RT: 8.46 min Scan# 663

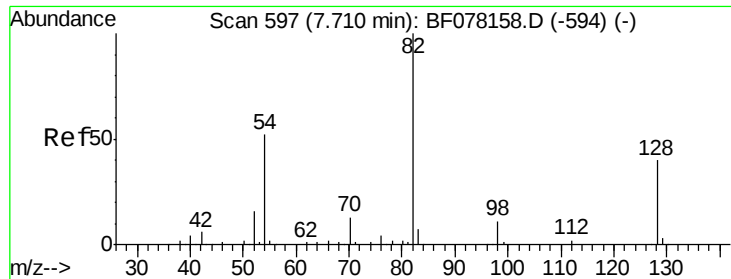
Delta R.T. 0.00 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Tgt Ion:	136	Resp:	151123
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	6.6	7.0	10.6#
68	5.4	5.4	8.2#





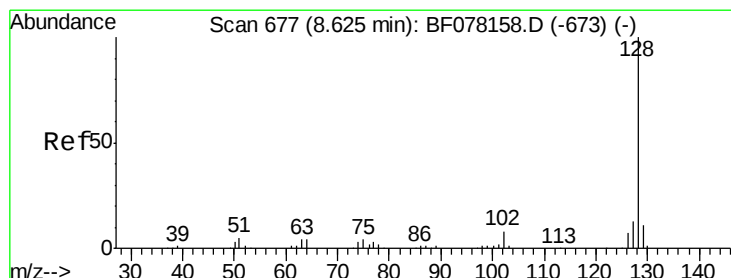
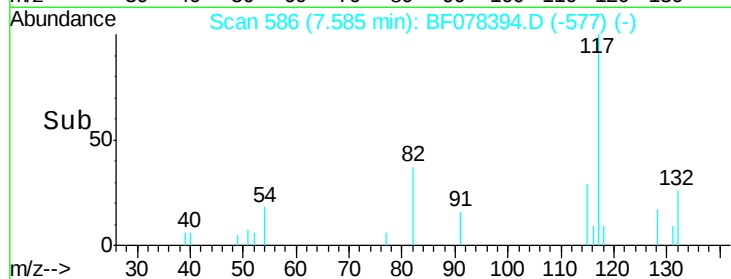
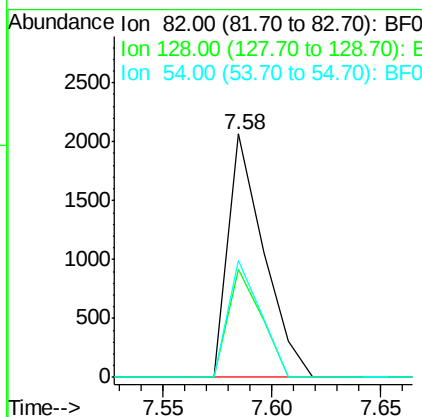
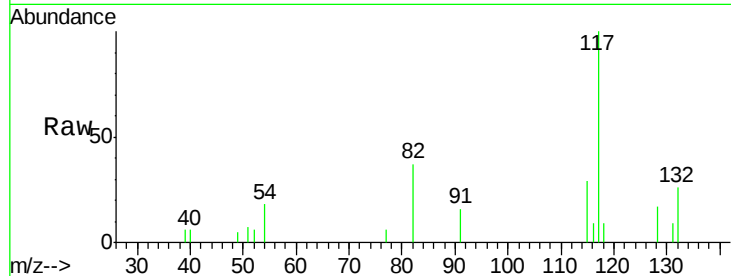
#23
Nitrobenzene-d5
Concen: 0.94 ng
RT: 7.58 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Tot Ion:	82	Resp:	2353
Ion Ratio	Lower	Upper	
82	100		
128	44.5	31.8	47.8
54	48.2	41.5	62.3

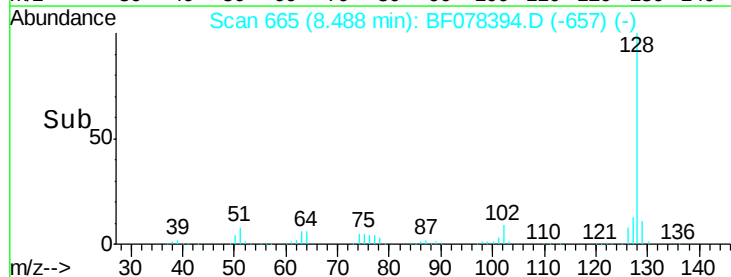
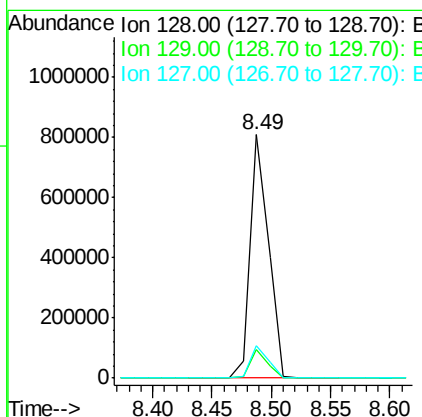
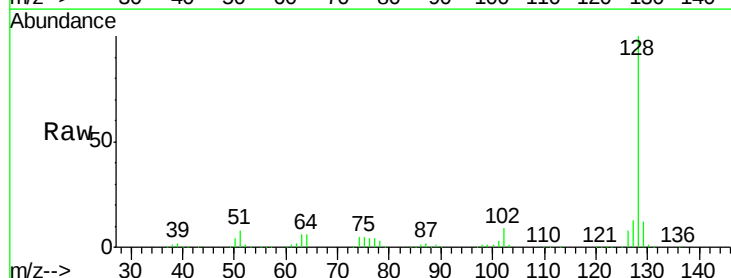
Manual Integrations
APPROVED

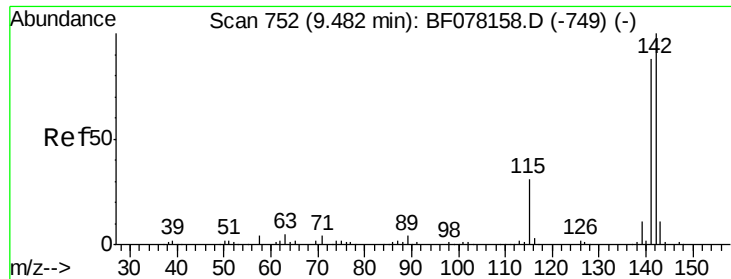
apatel
4/10/2015 5:13:54 PM



#31
Naphthalene
Concen: 111.24 ng
RT: 8.49 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion:	128	Resp:	875008
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	12.8
127	13.3	10.7	16.1





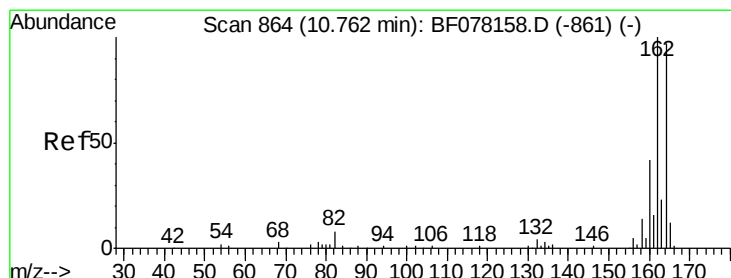
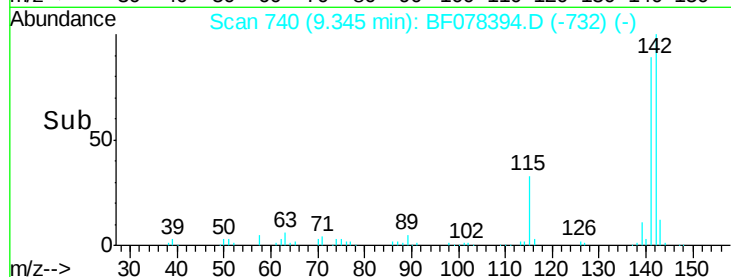
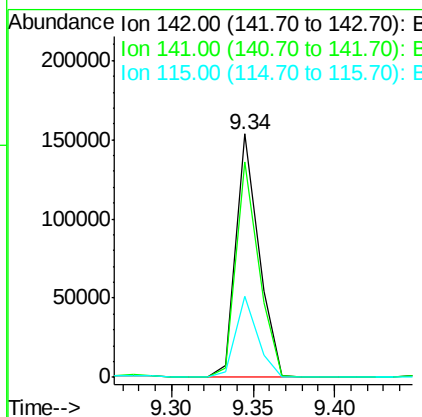
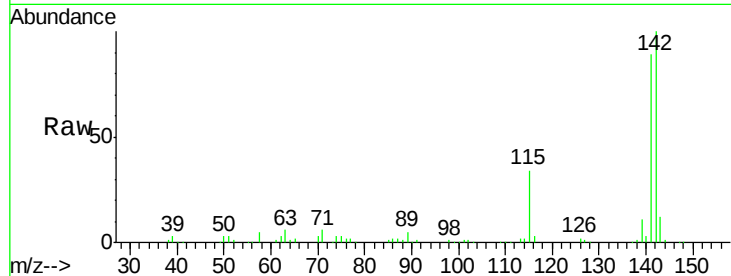
#37
2-Methylnaphthalene
Concen: 27.85 ng
RT: 9.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	33.5	24.6	37.0

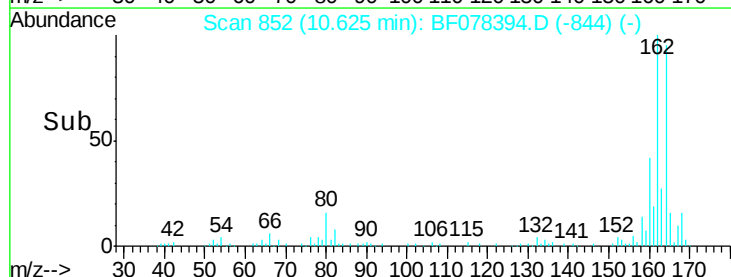
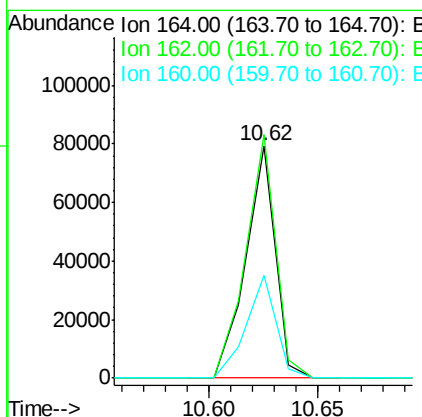
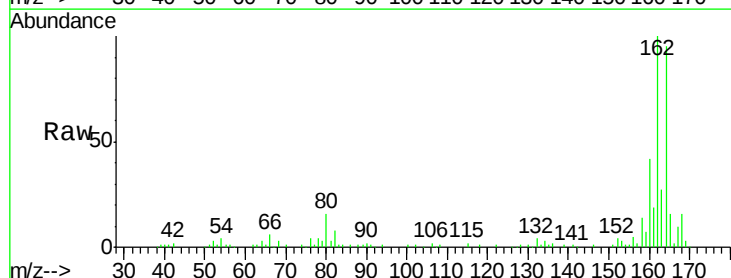
Manual Integrations
APPROVED

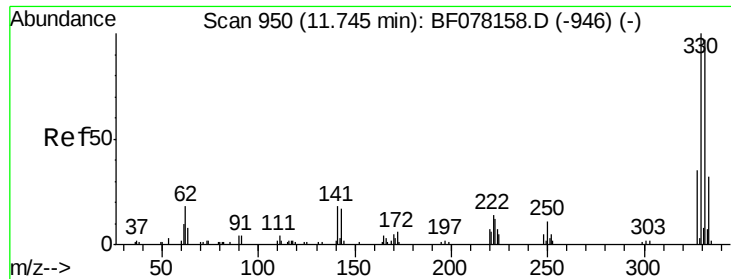
apatel
4/10/2015 5:13:54 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.2	123.2
160	44.4	34.7	52.1





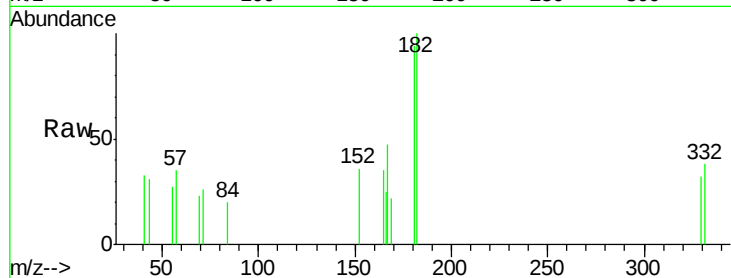
#41
 2,4,6-Tribromophenol
 Concen: 1.02 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF078394.D
 Acq: 10 Apr 2015 10:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL

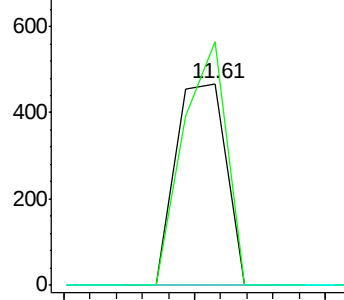
Tot Ion	Ratio	Lower	Upper
330	100		
332	104.0	78.6	117.8
141	0.0	31.2	46.8

Manual Integrations
 APPROVED

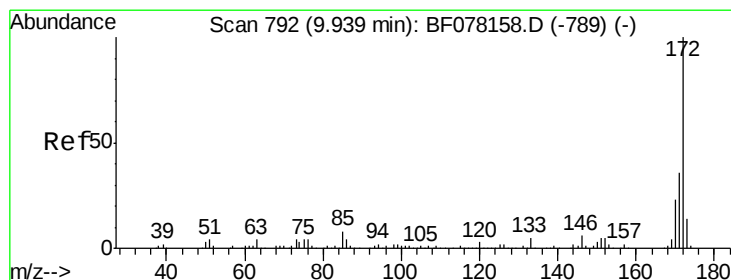
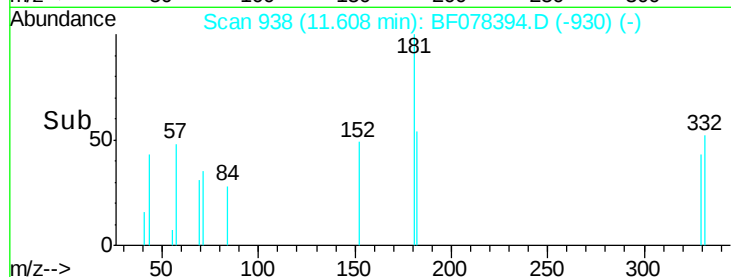
apatel
 4/10/2015 5:13:54 PM



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



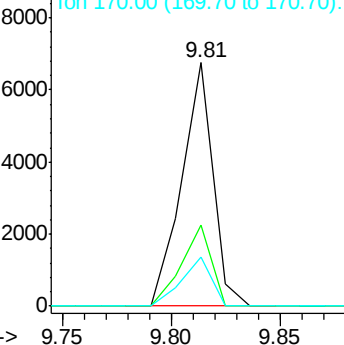
Time--> 11.55 11.60



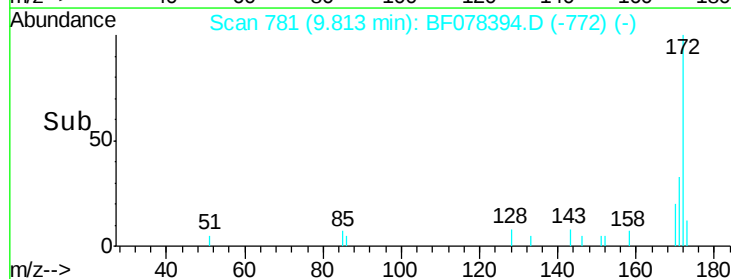
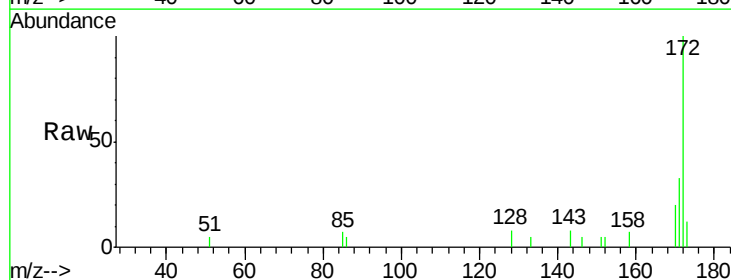
#44
 2-Fluorobiphenyl
 Concen: 1.28 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078394.D
 Acq: 10 Apr 2015 10:11

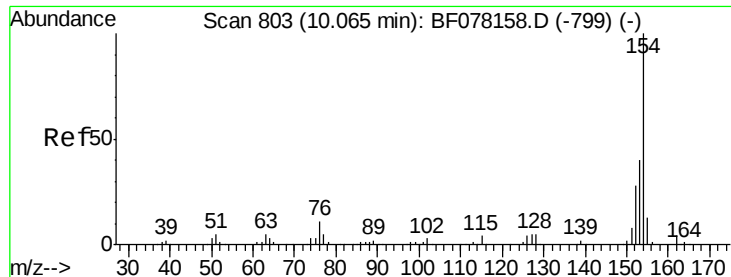
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.6	42.8
170	20.3	18.5	27.7

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



Time--> 9.75 9.80 9.85





#45

1,1'-Biphenyl

Concen: 11.13 ng

RT: 9.93 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Instrument :

BNA_F

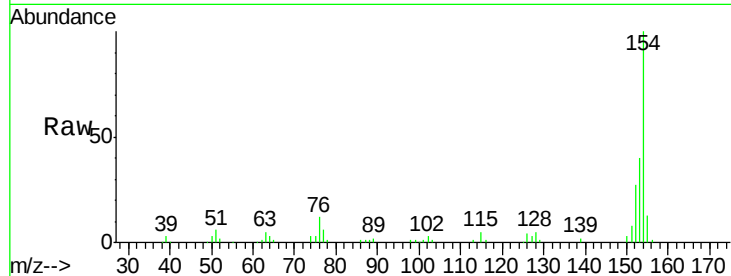
ClientSampled :

SB-3DADL

Tot Ion:	154	Resp:	67997
Ion Ratio	Lower	Upper	
154	100		
153	39.7	20.0	60.0
76	12.2	0.0	30.6

Manual Integrations
APPROVED

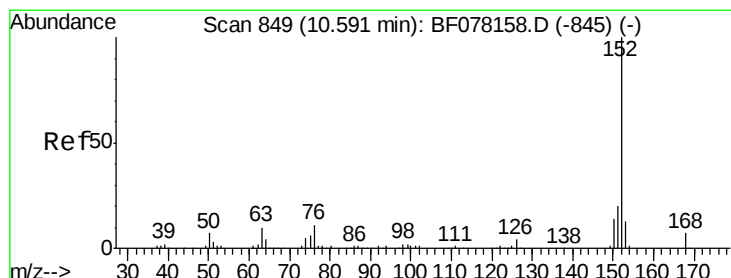
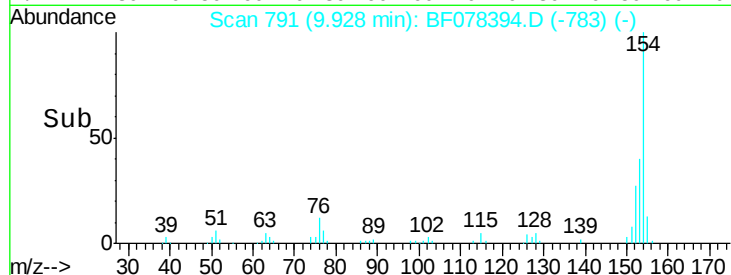
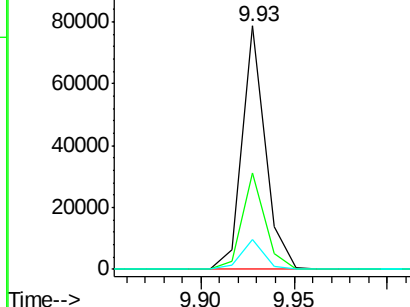
apatel
4/10/2015 5:13:54 PM



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: 6.34 ng

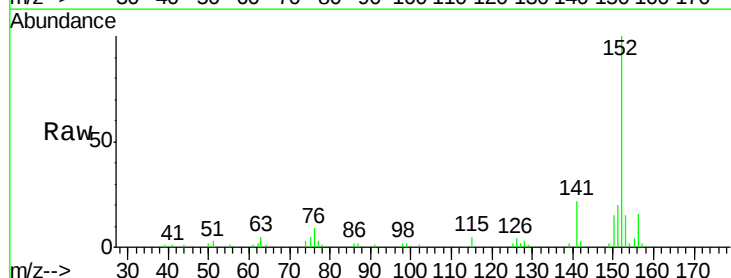
RT: 10.45 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

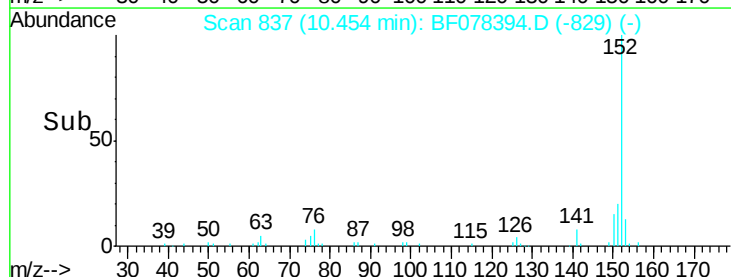
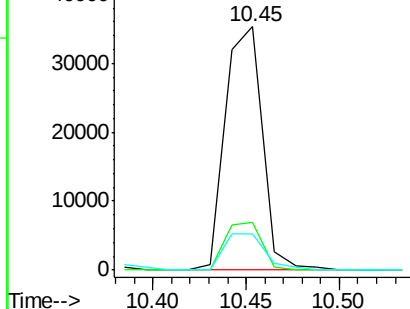
Tgt Ion:	152	Resp:	49179
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	14.8	10.2	15.2

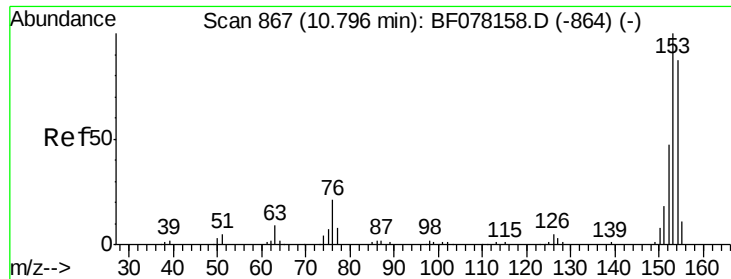


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 34.20 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF078394.D

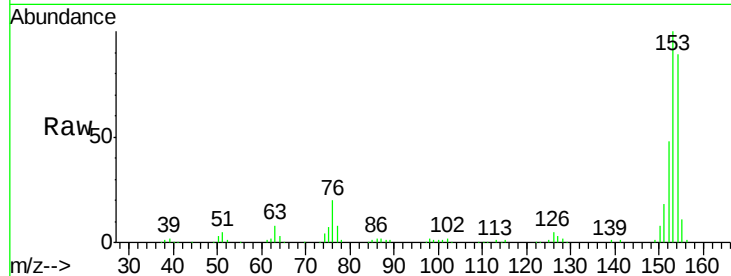
Acq: 10 Apr 2015 10:11

Instrument :

BNA_F

ClientSampleId :

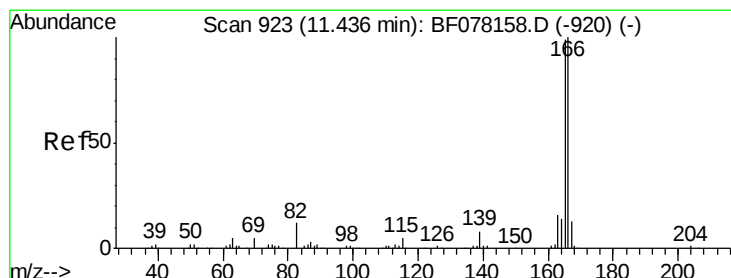
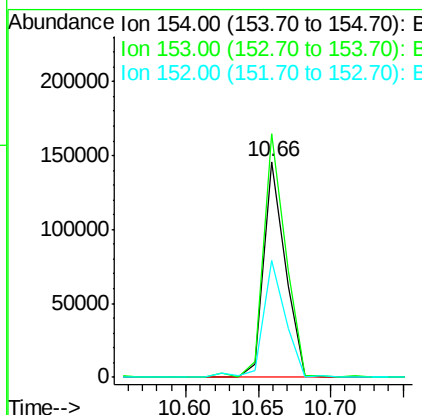
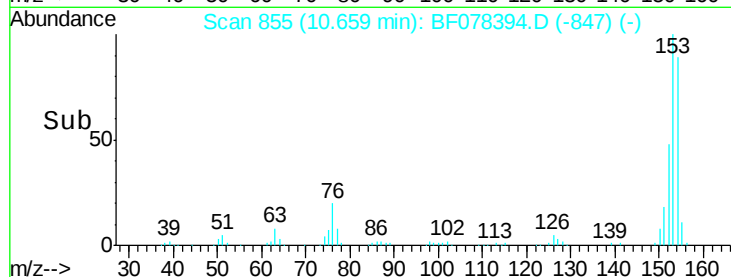
SB-3DADL



Tot Ion:	154	Resp:	149493
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.4	137.2
152	54.2	43.0	64.6

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:54 PM



#57

Fluorene

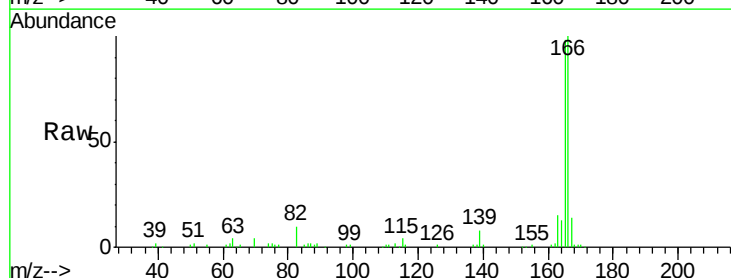
Concen: 20.03 ng

RT: 11.30 min Scan# 911

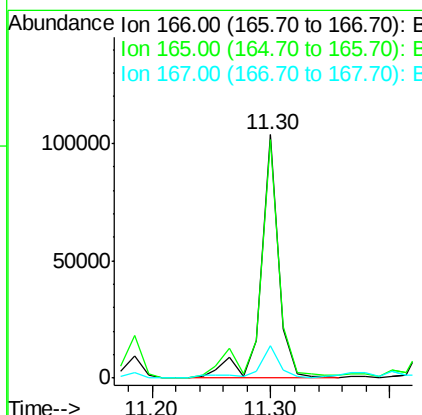
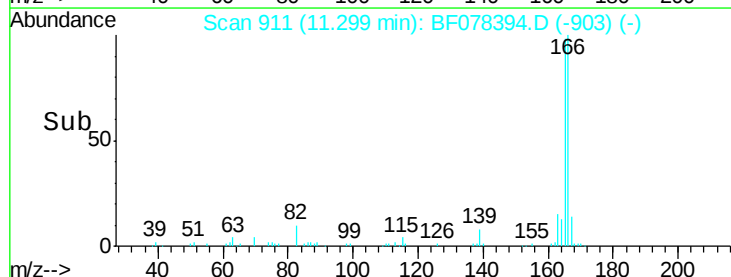
Delta R.T. -0.01 min

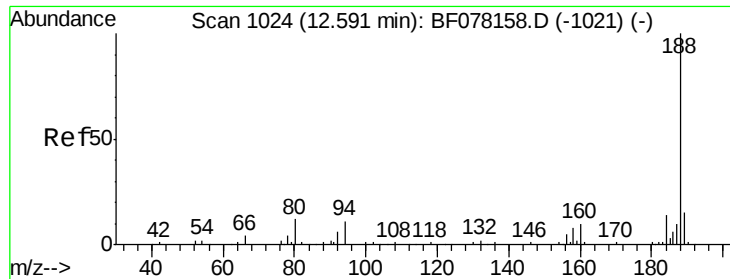
Lab File: BF078394.D

Acq: 10 Apr 2015 10:11



Tgt Ion:	166	Resp:	108398
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.9	118.3
167	13.5	10.7	16.1





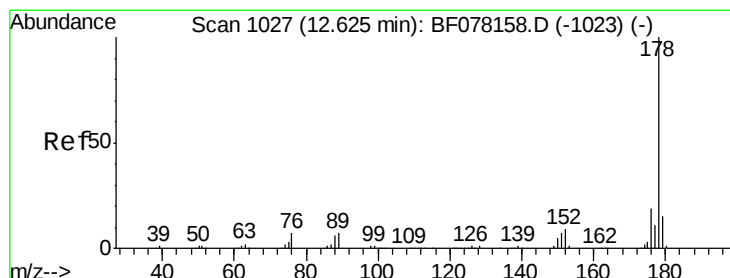
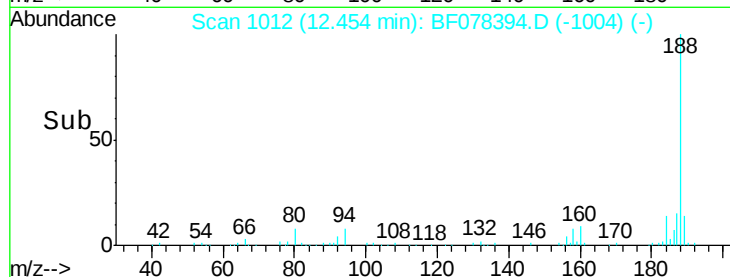
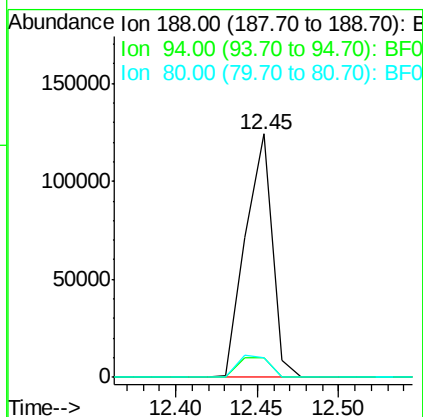
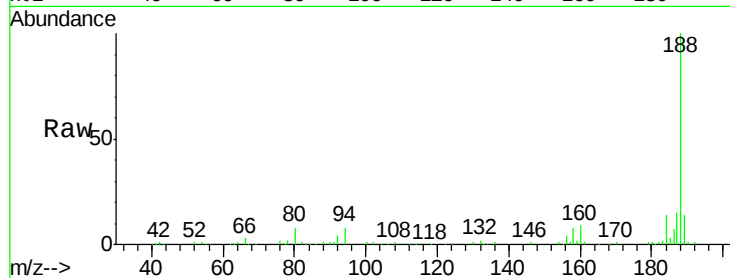
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.45 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	9.0	13.4#
80	7.9	9.5	14.3#

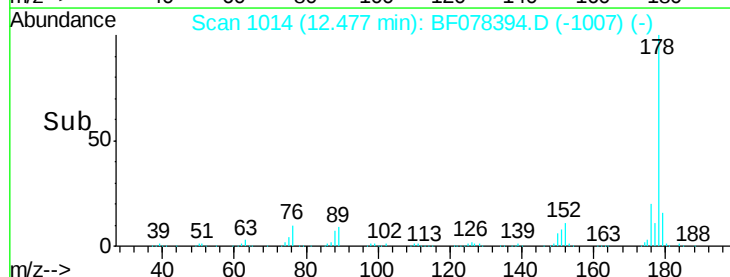
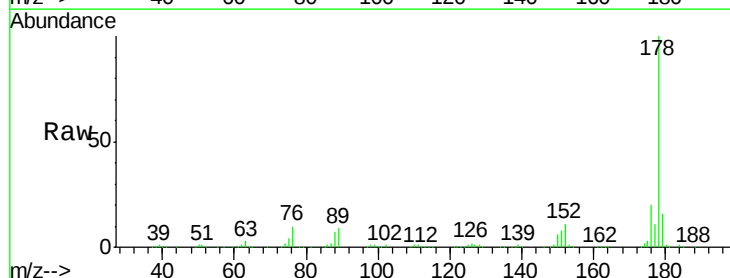
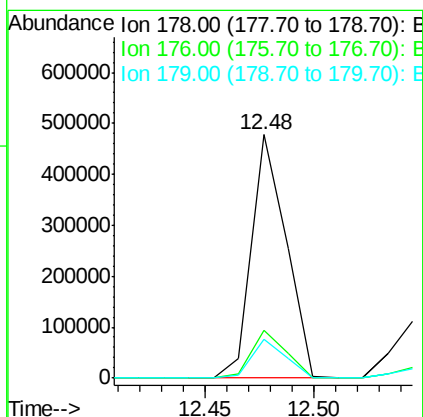
Manual Integrations
APPROVED

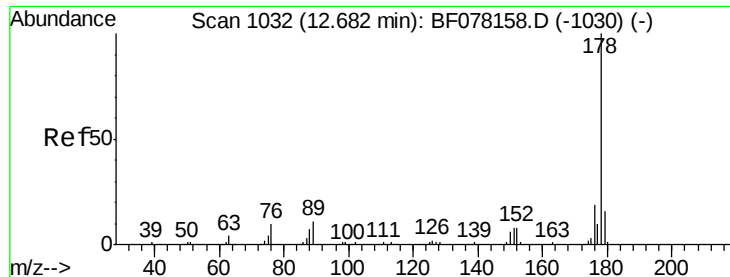
apatel
4/10/2015 5:13:54 PM



#70
Phenanthrene
Concen: 65.00 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.8	12.2	18.2





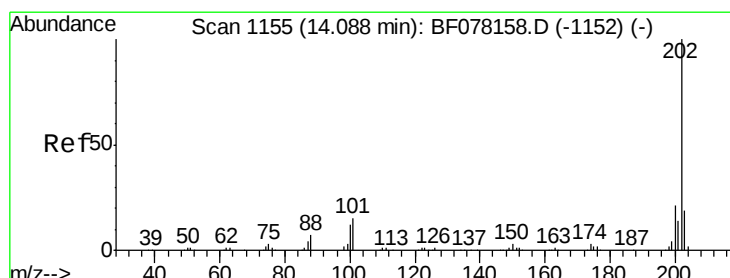
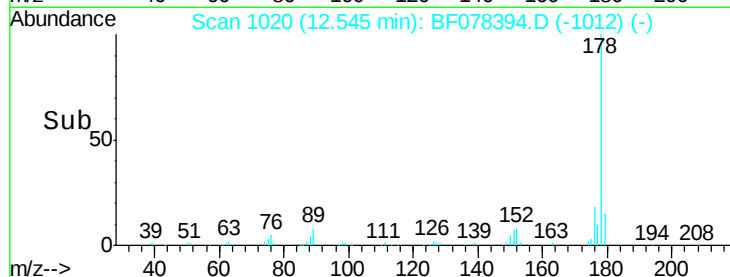
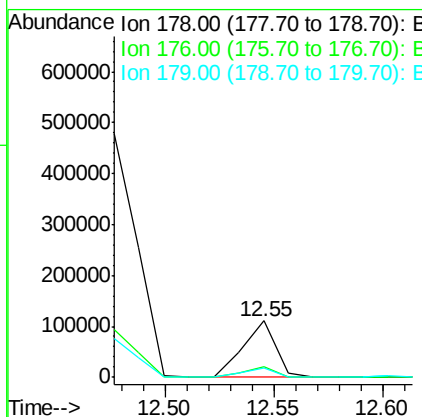
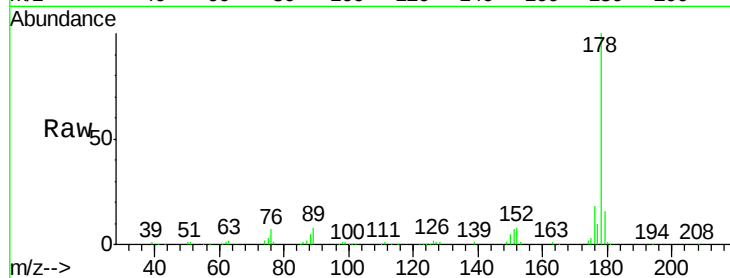
#71
 Anthracene
 Concen: 14.18 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF078394.D
 Acq: 10 Apr 2015 10:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.6	12.4	18.6

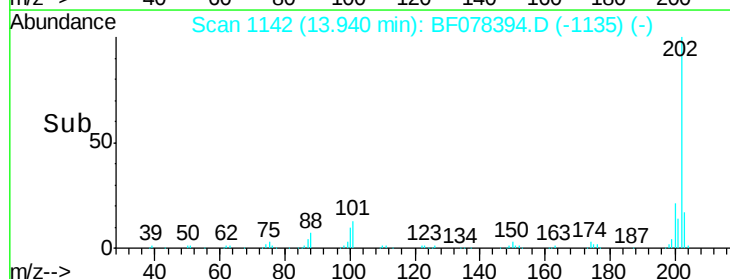
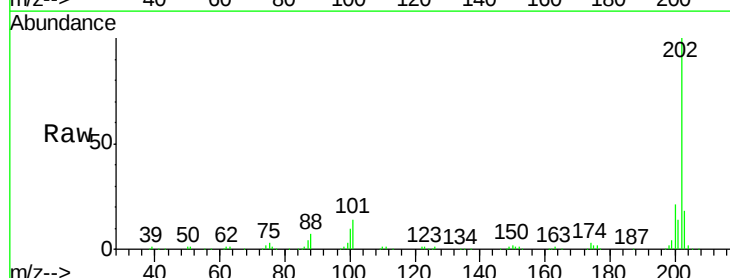
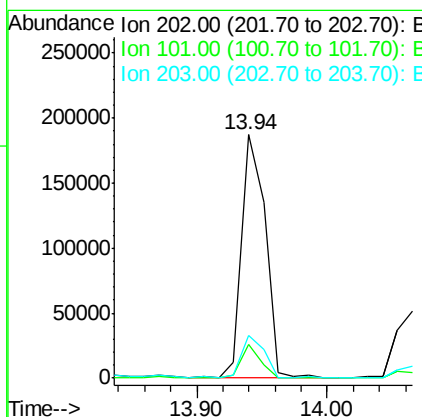
Manual Integrations
 APPROVED

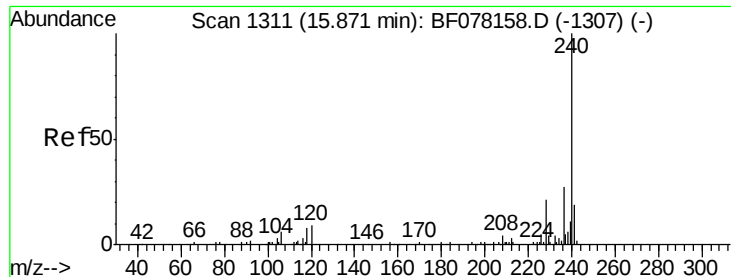
apatel
 4/10/2015 5:13:54 PM



#74
 Fluoranthene
 Concen: 27.19 ng
 RT: 13.94 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF078394.D
 Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	35.2
203	17.7	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.71 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Instrument :

BNA_F

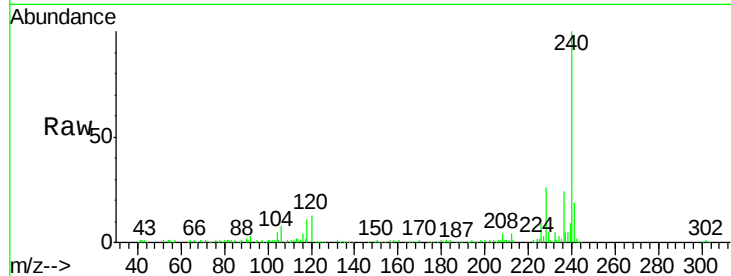
ClientSampleId :

SB-3DADL

Tot Ion:	240	Resp:	148567
Ion Ratio	Lower	Upper	
240	100		
120	12.8	7.1	10.7#
236	24.4	21.4	32.2

Manual Integrations
APPROVED

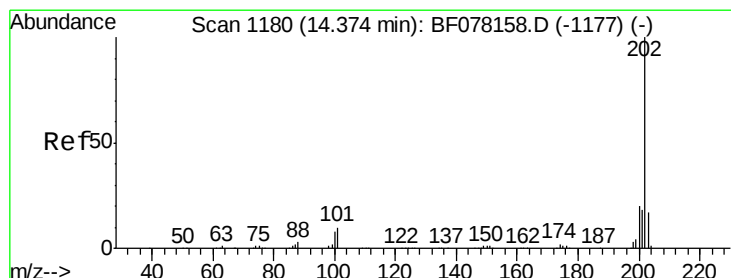
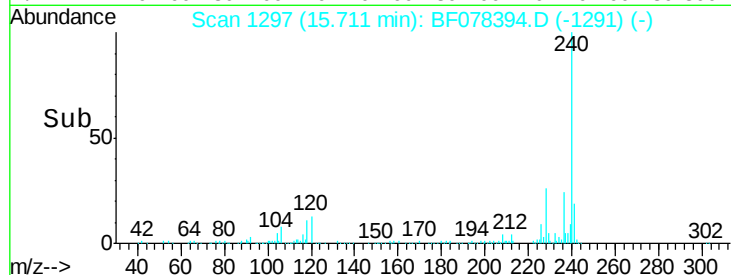
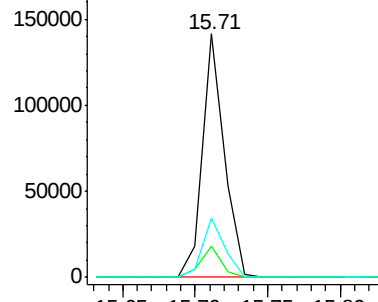
apatel
4/10/2015 5:13:54 PM



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: 35.24 ng

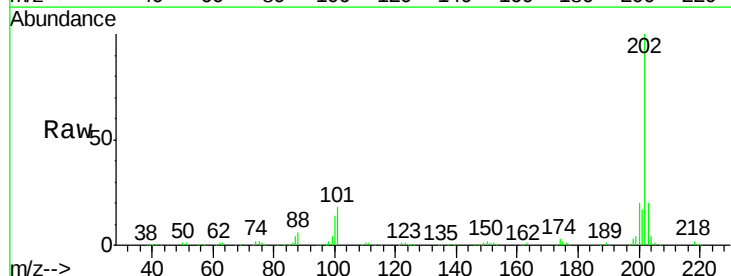
RT: 14.21 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

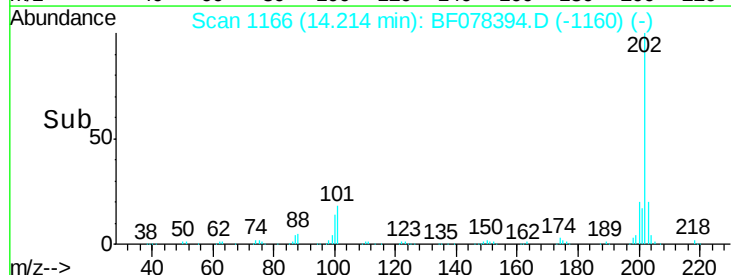
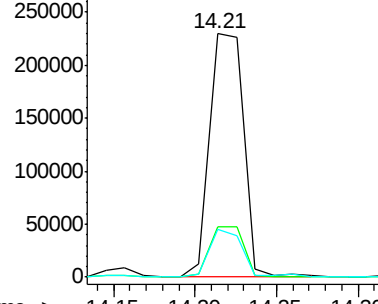
Tgt Ion:	202	Resp:	328705
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.3	24.5
203	19.6	13.8	20.6

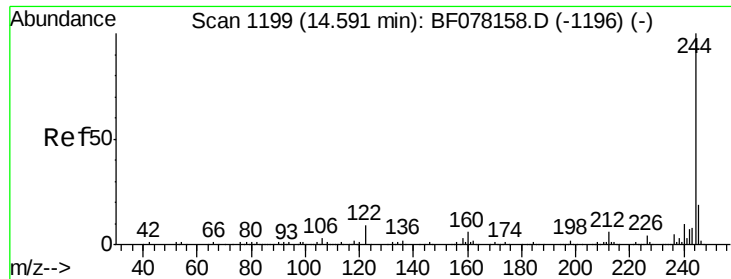


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.06 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Instrument :

BNA_F

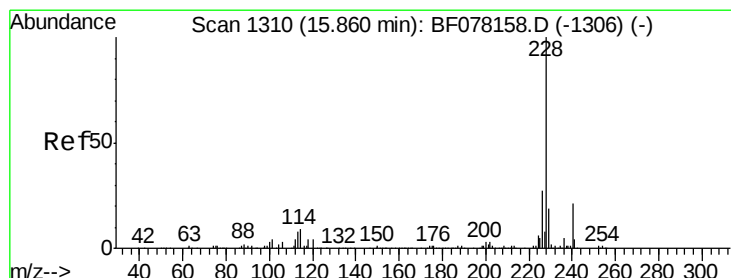
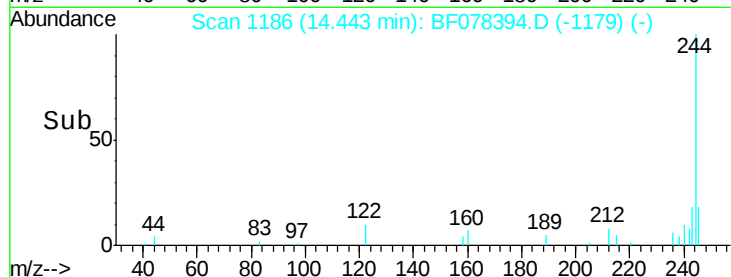
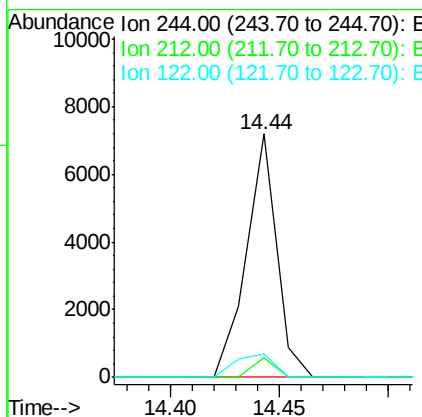
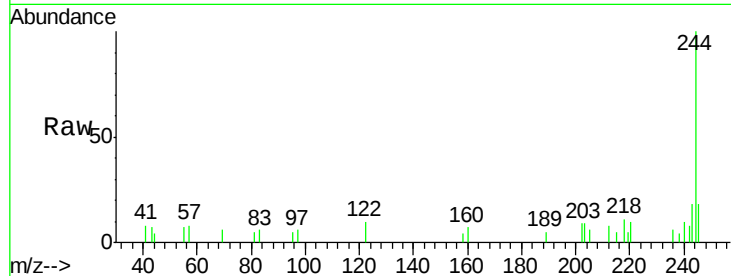
ClientSampleId :

SB-3DADL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.0	7.4#
122	9.5	7.1	10.7

Manual Integrations
APPROVED

apatel
4/10/2015 5:13:54 PM



#80

Benzo(a)anthracene

Concen: 11.66 ng m

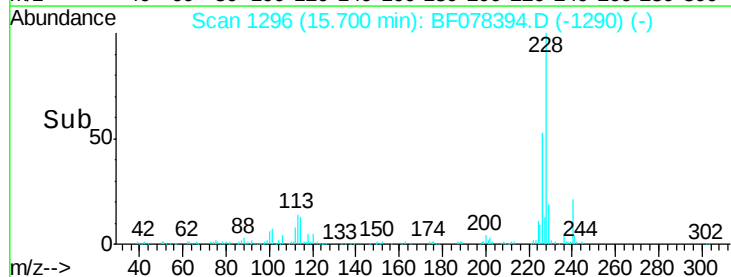
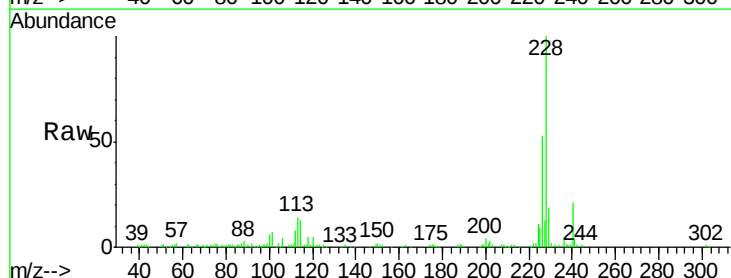
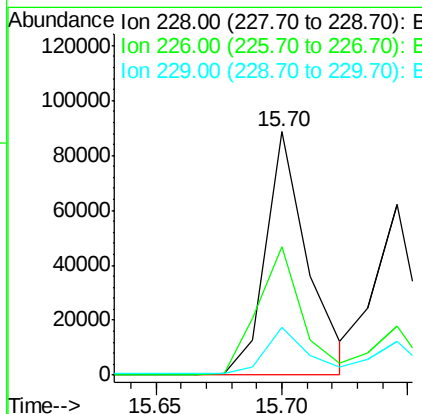
RT: 15.70 min Scan# 1296

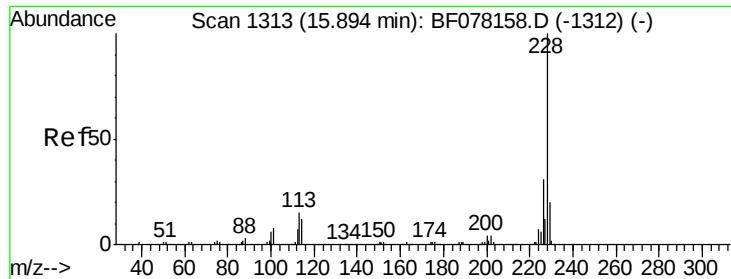
Delta R.T. -0.03 min

Lab File: BF078394.D

Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	52.8	21.3	31.9#
229	19.5	15.4	23.2





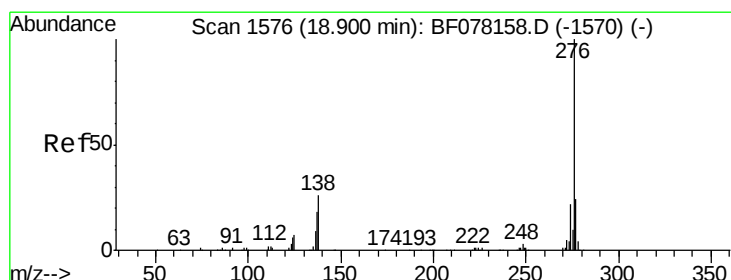
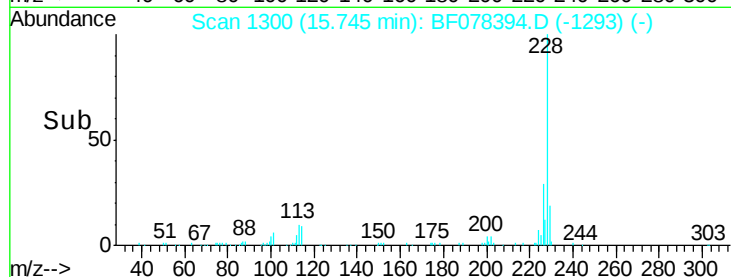
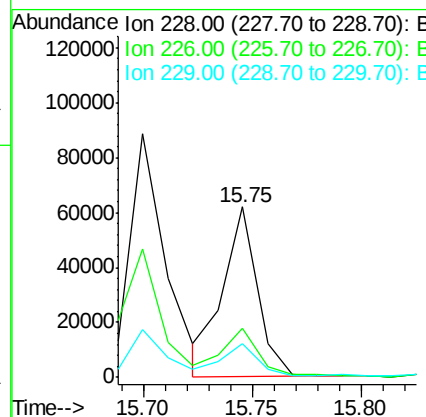
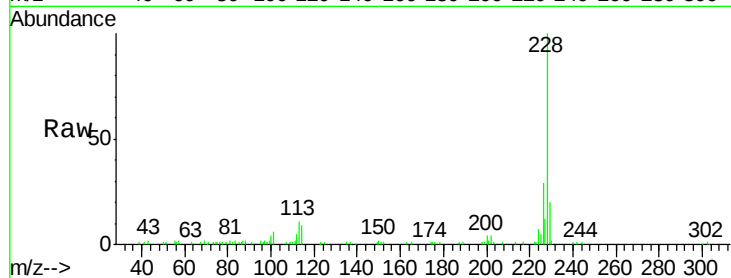
#82
Chrysene
Concen: 8.13 ng
RT: 15.75 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampled :
SB-3DADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.4
229	20.2	15.8	23.8

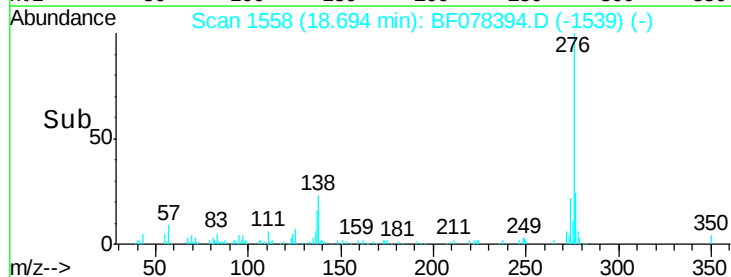
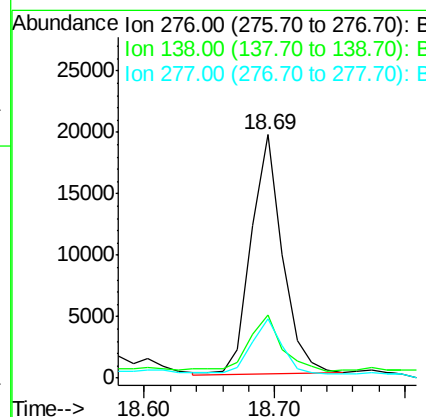
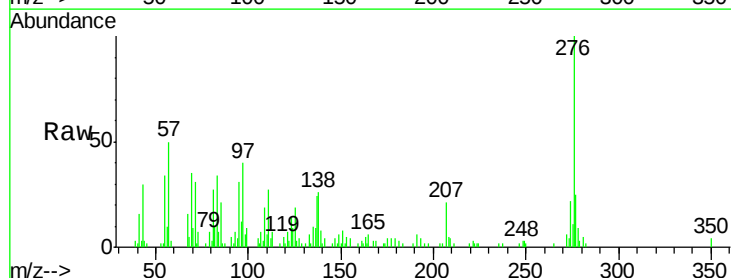
Manual Integrations
APPROVED

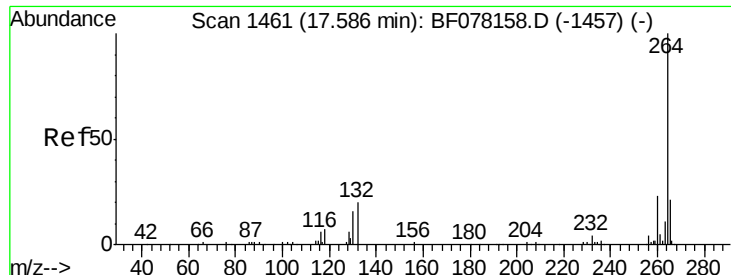
apatel
4/10/2015 5:13:54 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.46 ng
RT: 18.69 min Scan# 1558
Delta R.T. -0.08 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	16.9	25.3#
277	27.4	15.8	23.6#





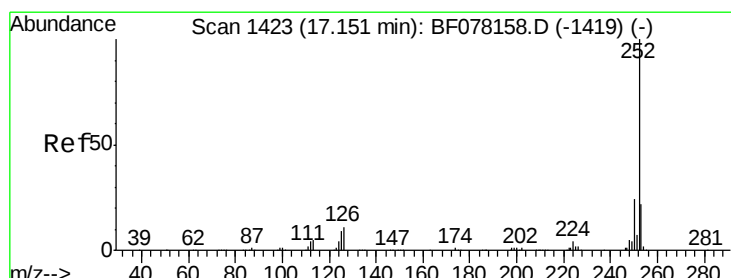
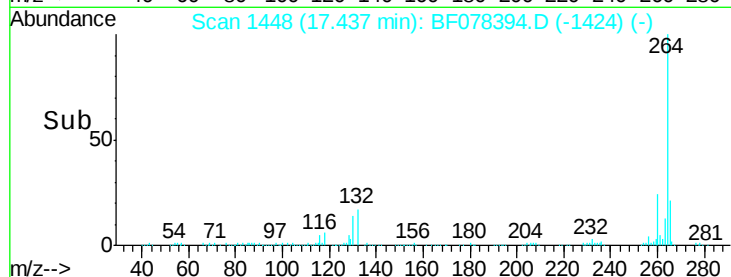
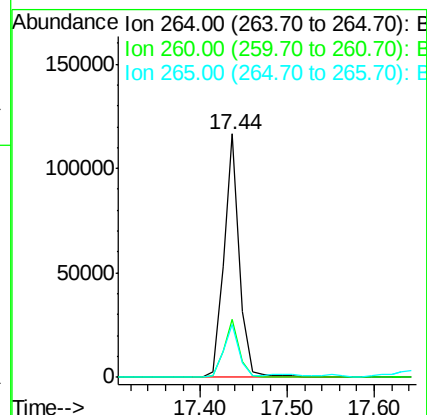
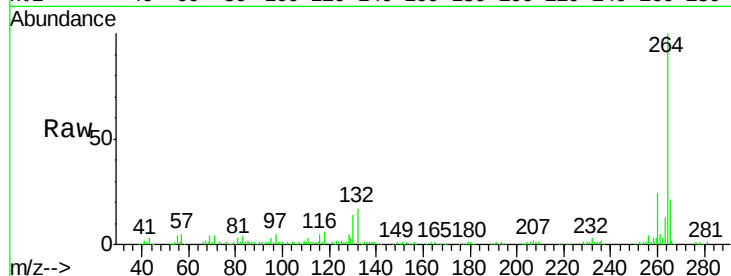
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1448
Delta R.T. -0.02 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleId :
SB-3DADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.5	17.0	25.6

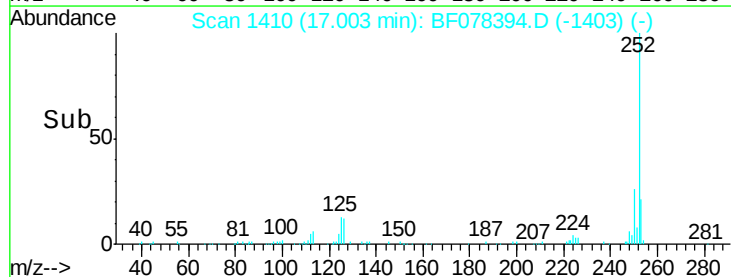
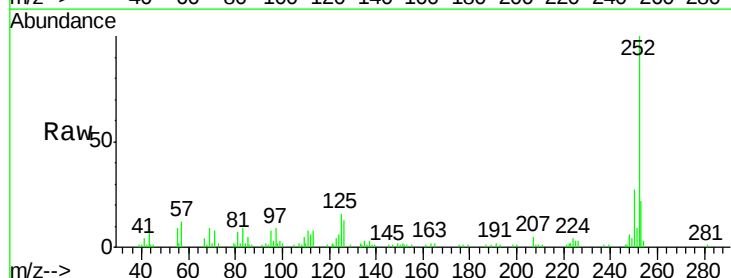
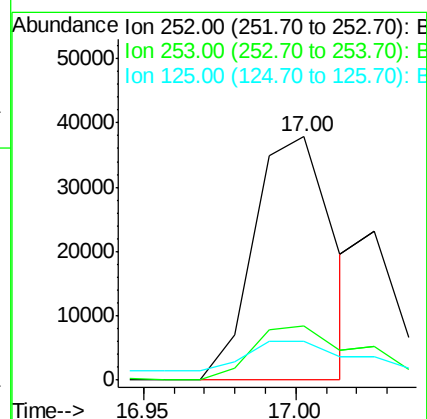
Manual Integrations
APPROVED

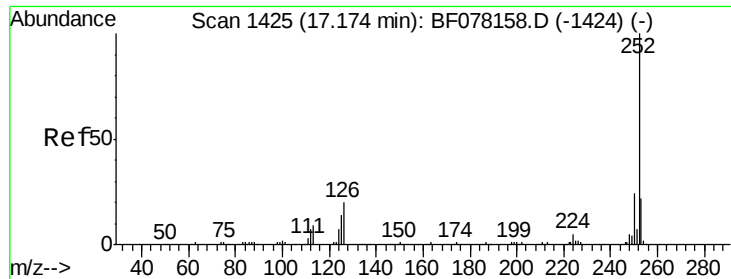
apatel
4/10/2015 5:13:54 PM



#87
Benzo(b)fluoranthene
Concen: 7.62 ng m
RT: 17.00 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	15.9	7.0	10.4#





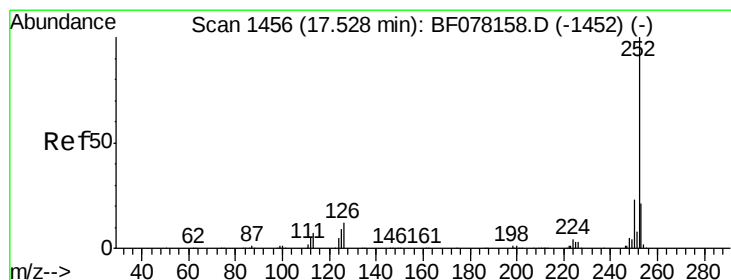
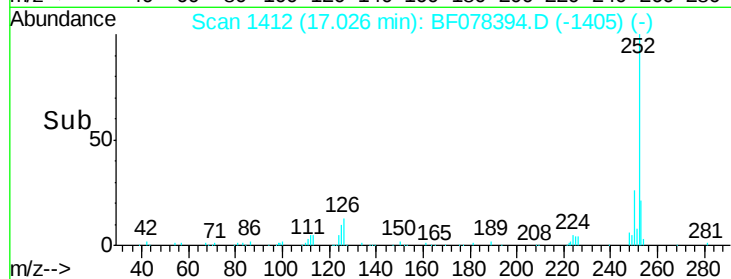
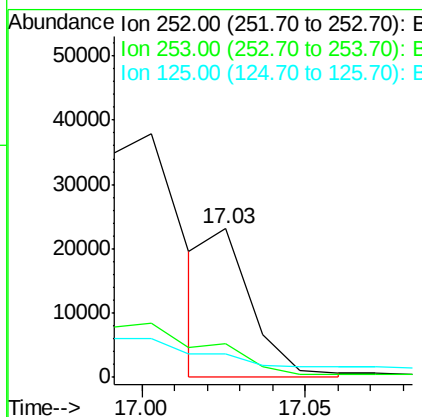
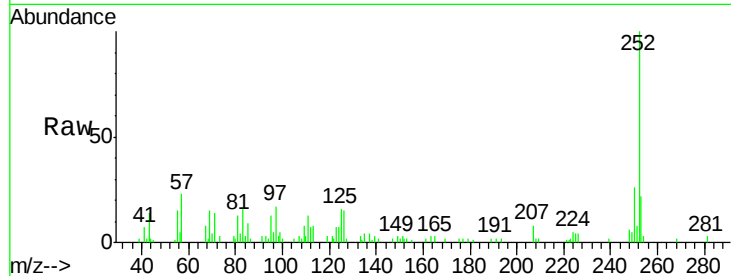
#88
Benzo(k)fluoranthene
Concen: 2.69 ng/mL
RT: 17.03 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Instrument :
BNA_F
ClientSampleID :
SB-3DADL

Tot Ion:	252	Resp:	21441
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	16.0	11.6	17.4

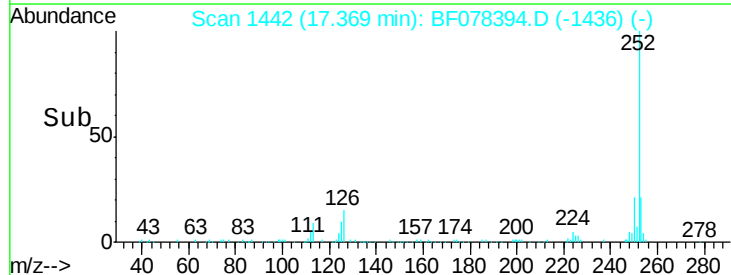
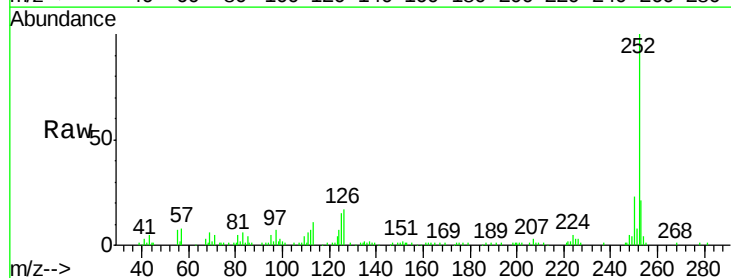
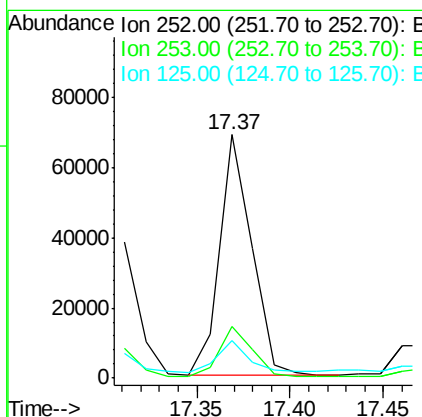
Manual Integrations
APPROVED

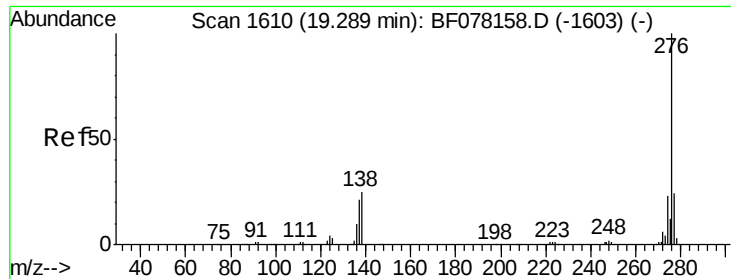
apatel
4/10/2015 5:13:54 PM



#89
Benzo(a)pyrene
Concen: 10.51 ng/mL
RT: 17.37 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF078394.D
Acq: 10 Apr 2015 10:11

Tgt Ion:	252	Resp:	82173
Ion Ratio	Lower	Upper	
252	100		
253	21.1	16.8	25.2
125	15.2	7.4	11.0#





#91
 Benzo(a,h,i)perylene
 Concen: 5.23 ng/ml
 RT: 19.05 min Scan# 1589
 Delta R.T. -0.11 min
 Lab File: BF078394.D
 Acq: 10 Apr 2015 10:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL

Tot Ion:	276	Resp:	41068
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.0	28.4
138	28.2	19.9	29.9

Manual Integrations
 APPROVED

apatel
 4/10/2015 5:13:54 PM

