

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078434.D
 Acq On : 11 Apr 2015 10:21
 Operator : TP/IZ
 Sample : G1793-03DL2 100X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Manual Integrations
 APPROVED

apatel
 4/13/2015 4:18:22 PM

Quant Time: Apr 13 03:49:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 02:33:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	29977	20.00	ng	0.01
21) Naphthalene-d8	8.44	136	131903	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	66233	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	137680	20.00	ng	0.00
75) Chrysene-d12	15.69	240	149296	20.00	ng	0.01
86) Perylene-d12	17.40	264	149767	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	945	0.52	ng	0.03
7) Phenol-d6	6.48	99	937	0.41	ng	0.02
23) Nitrobenzene-d5	7.56	82	675	0.31	ng	0.00
41) 2,4,6-Tribromophenol	11.57	330	318	0.58	ng	0.01
44) 2-Fluorobiphenyl	9.79	172	2637	0.57	ng	0.01
78) Terphenyl-d14	14.41	244	3503	0.53	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.46	128	399937	58.25	ng	99
37) 2-Methylnaphthalene	9.32	142	62930	13.50	ng	99
45) 1,1'-Biphenyl	9.90	154	27553	5.09	ng	99
48) Acenaphthylene	10.42	152	25595	3.72	ng	98
51) Acenaphthene	10.64	154	69096	17.83	ng	98
57) Fluorene	11.28	166	46560	9.70	ng	98
70) Phenanthrene	12.45	178	261520	32.84	ng	99
71) Anthracene	12.51	178	53339	6.80	ng	99
74) Fluoranthene	13.92	202	114272	13.61	ng	93
77) Pyrene	14.19	202	165252	17.63	ng	99
80) Benzo(a)anthracene	15.68	228	48063m	5.41	ng	
82) Chrysene	15.71	228	36526m	4.38	ng	
87) Benzo(b)fluoranthene	16.97	252	32135m	3.47	ng	
89) Benzo(a)pyrene	17.33	252	39954	4.95	ng	# 91
91) Benzo(g,h,i)perylene	19.00	276	18520	2.28	ng	95

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

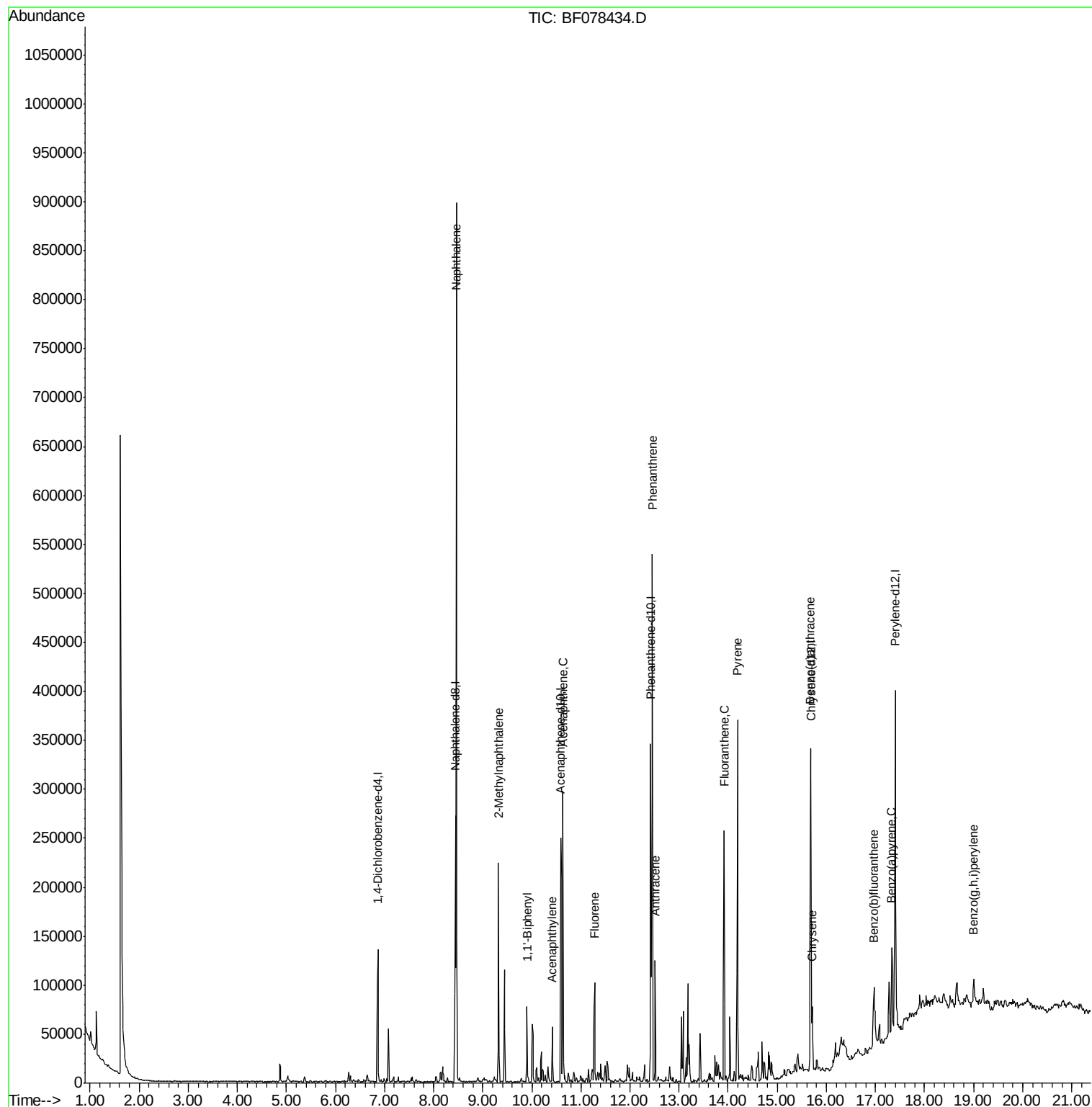
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078434.D
Acq On : 11 Apr 2015 10:21
Operator : TP/IZ
Sample : G1793-03DL2 100X
Misc :
ALS Vial : 32 Sample Multiplier: 1

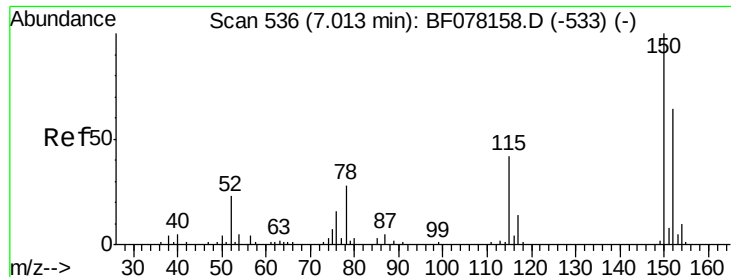
Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM

Quant Time: Apr 13 03:49:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 02:33:18 2015
Response via : Initial Calibration

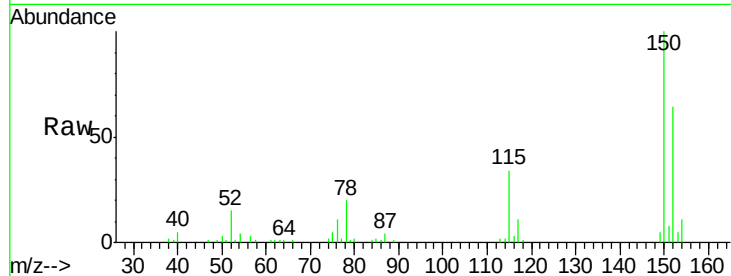




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 523
Delta R.T. 0.01 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

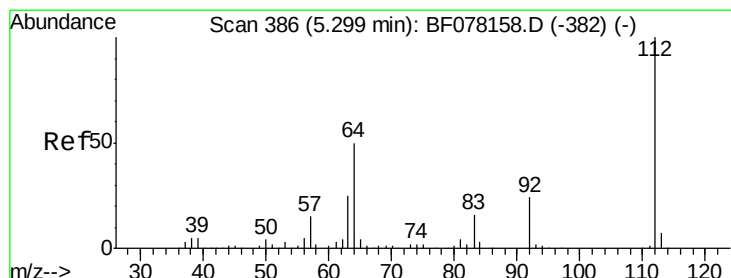
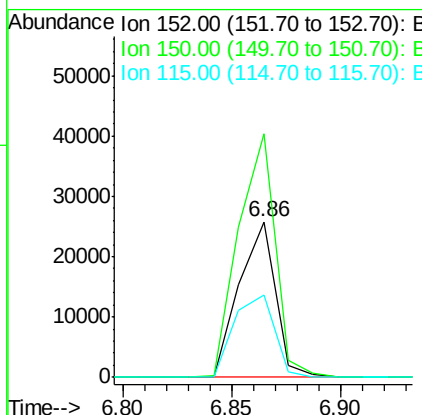
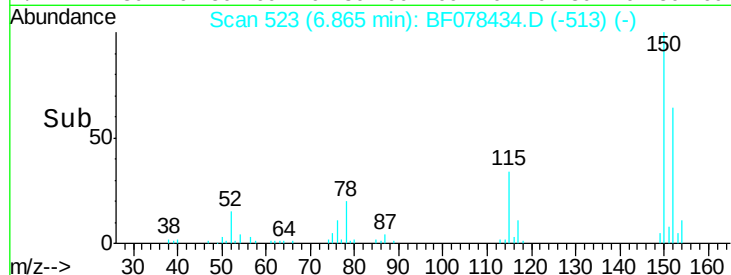
Instrument :
BNA_F
ClientSampleId :
SB-3DADL2



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.9	188.9
115	52.7	52.7	79.1#

Manual Integrations
APPROVED

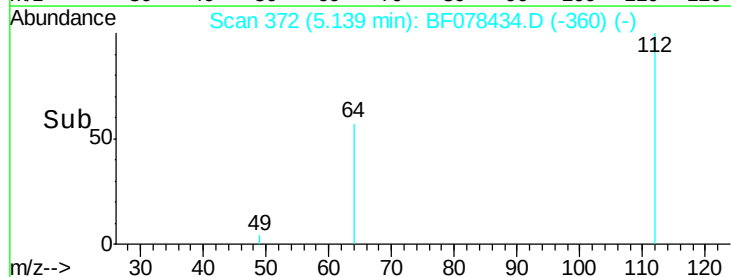
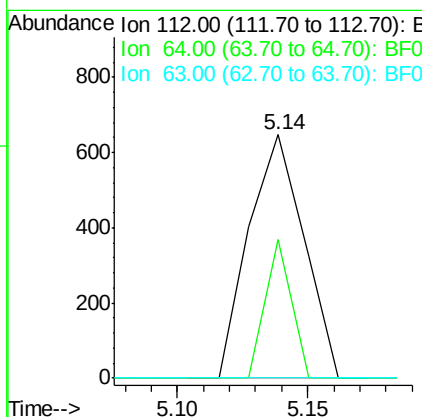
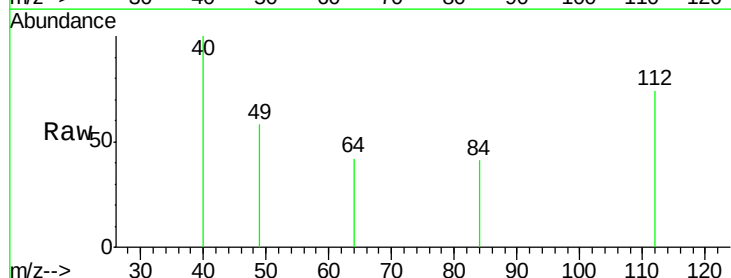
apatel
4/13/2015 4:18:22 PM

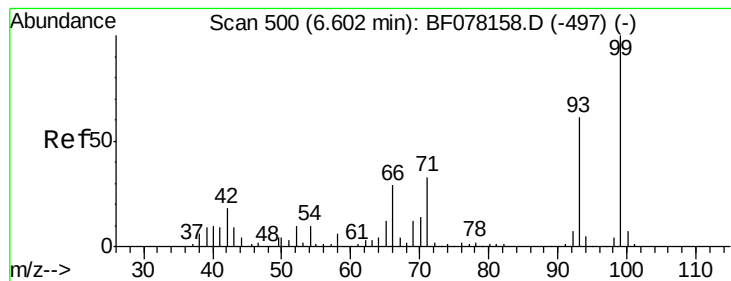


#5

2-Fluorophenol
Concen: 0.52 ng
RT: 5.14 min Scan# 372
Delta R.T. 0.03 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	39.9	59.9
63	0.0	20.2	30.4#





#7

Phenol-d6

Concen: 0.41 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.02 min

Lab File: BF078434.D

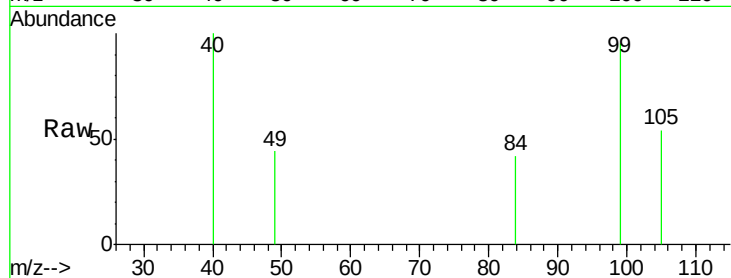
Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

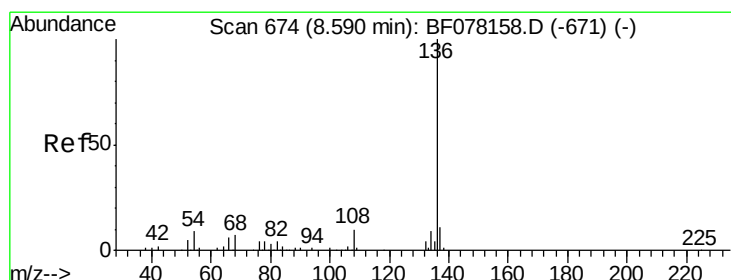
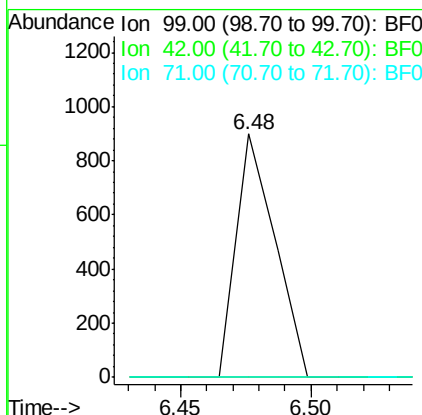
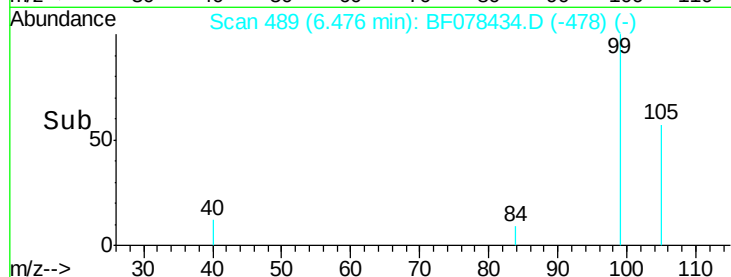
SB-3DADL2



Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.8	22.2#
71	0.0	26.6	39.8#

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM



#21

Naphthalene-d8

Concen: 20.00 ng

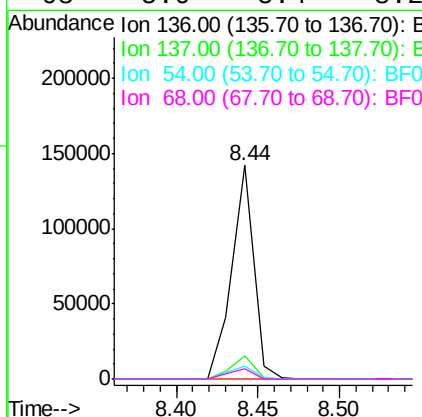
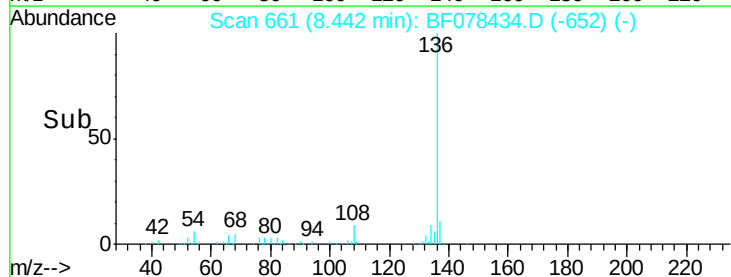
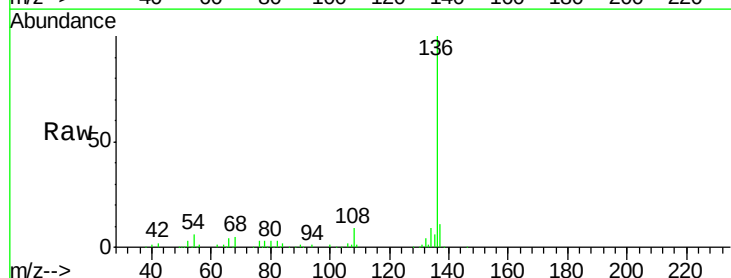
RT: 8.44 min Scan# 661

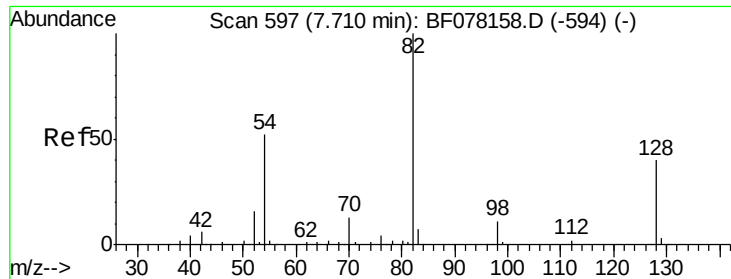
Delta R.T. 0.00 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.8	7.0	10.6#
68	5.0	5.4	8.2#





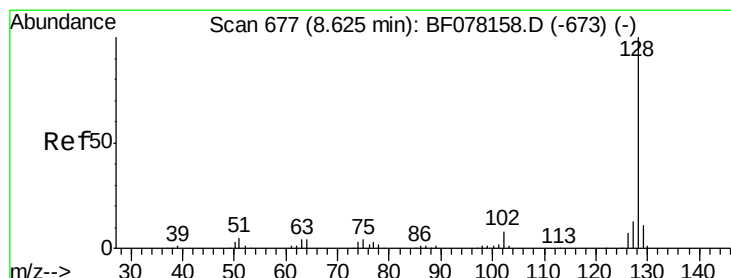
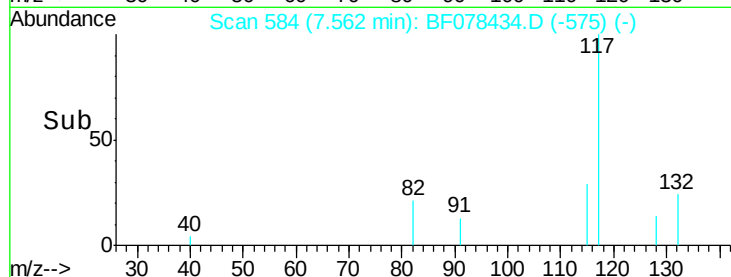
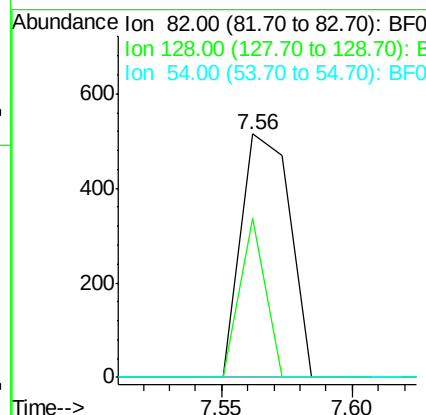
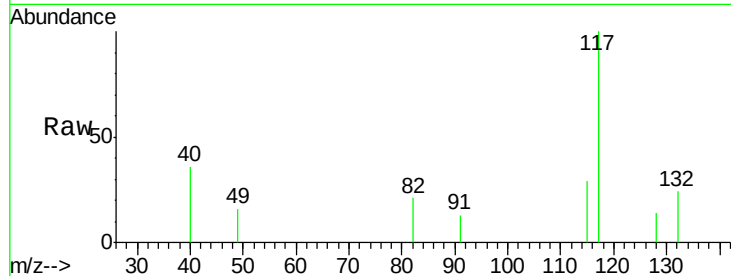
#23
 Nitrobenzene-d5
 Concen: 0.31 ng
 RT: 7.56 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	65.2	31.8	47.8#
54	0.0	41.5	62.3#

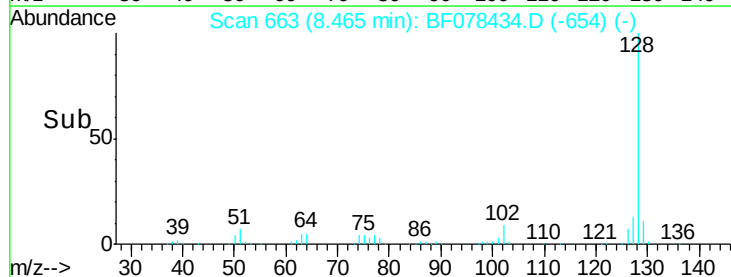
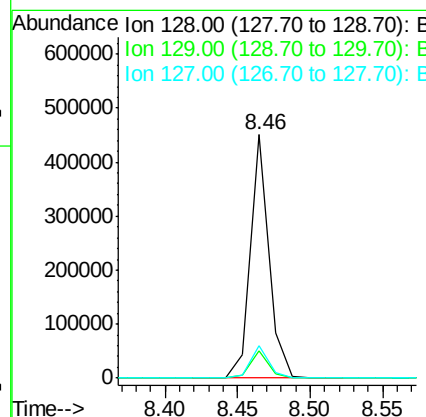
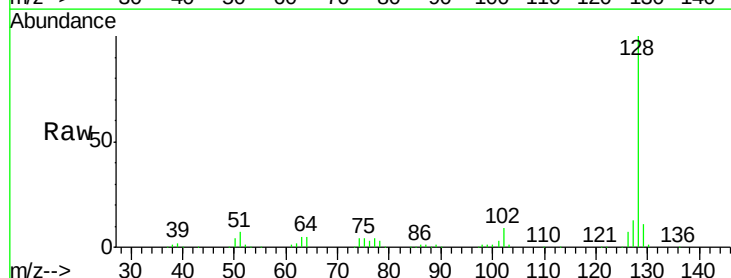
Manual Integrations
 APPROVED

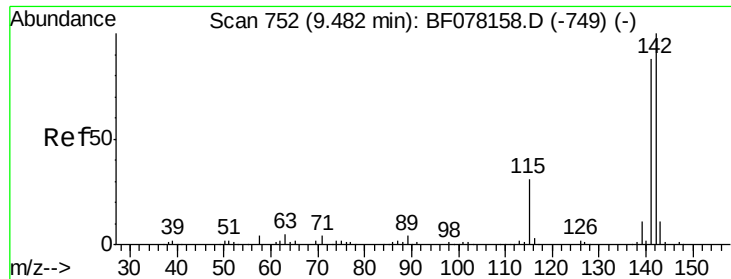
apatel
 4/13/2015 4:18:22 PM



#31
 Naphthalene
 Concen: 58.25 ng
 RT: 8.46 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

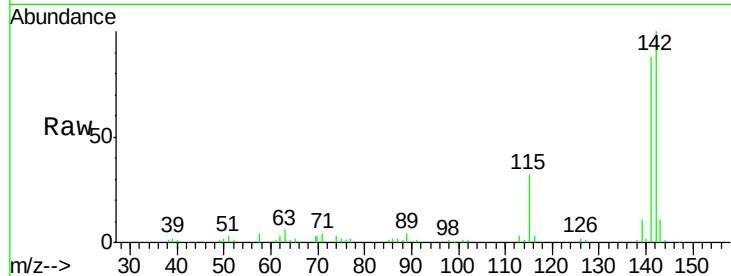
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.1	10.7	16.1





#37
 2-Methylnaphthalene
 Concen: 13.50 ng
 RT: 9.32 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

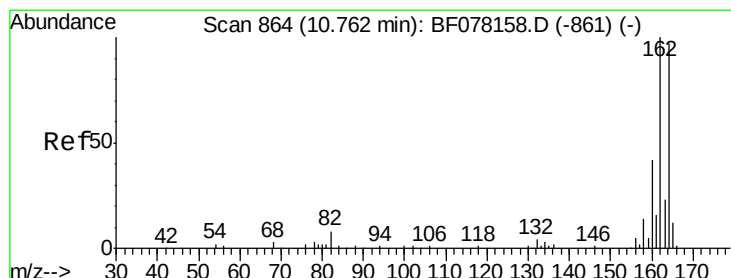
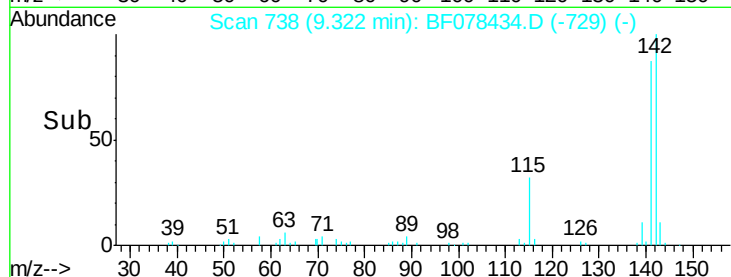
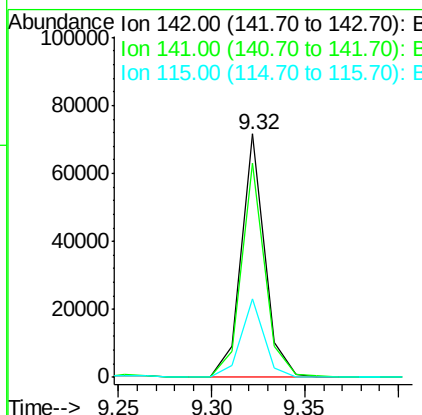
Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2



Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	32.5	24.6	37.0

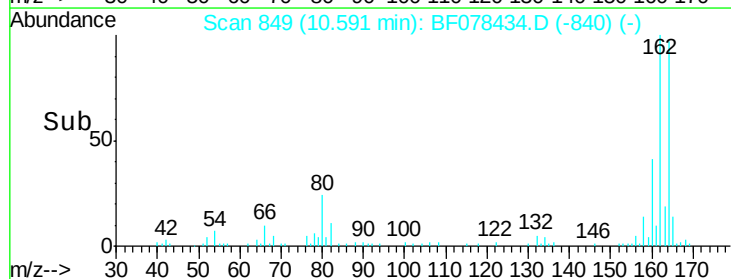
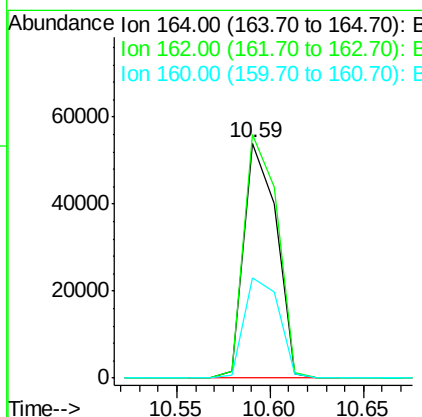
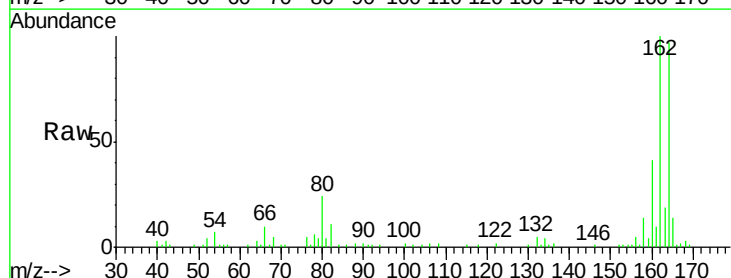
Manual Integrations
 APPROVED

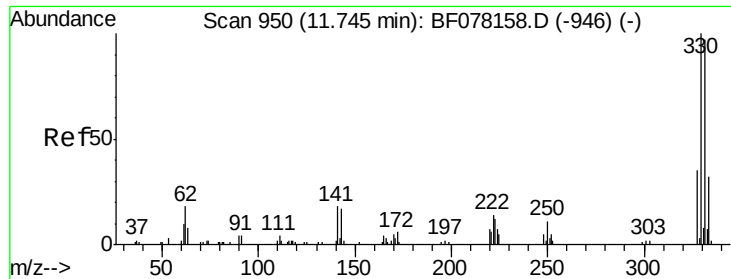
apatel
 4/13/2015 4:18:22 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	42.4	34.7	52.1





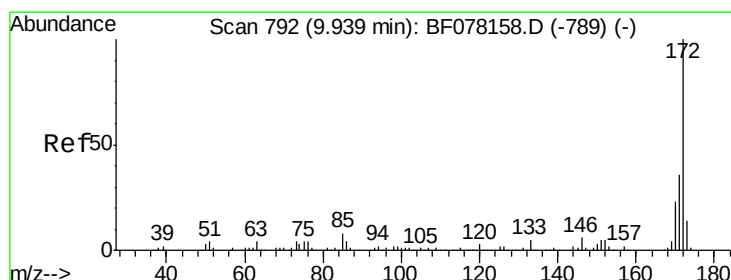
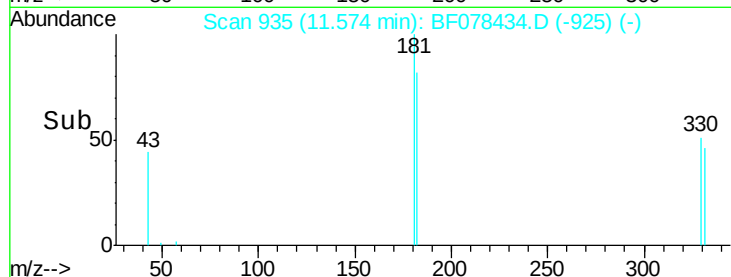
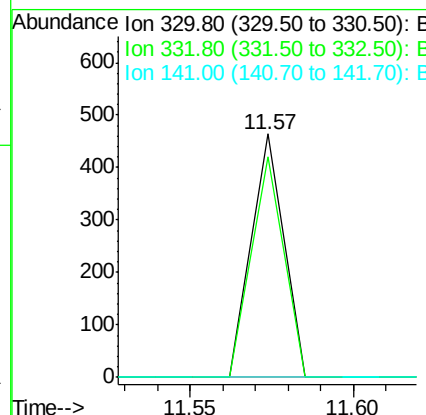
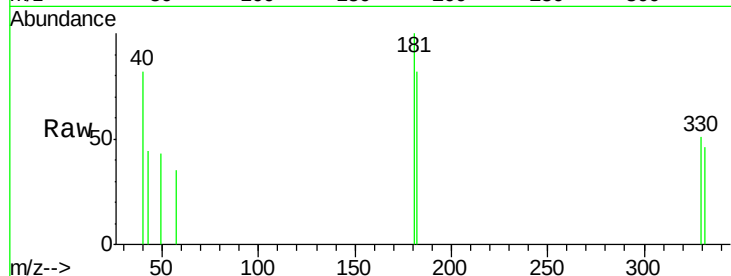
#41
 2,4,6-Tribromophenol
 Concen: 0.58 ng
 RT: 11.57 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	318		
332	90.9	78.6	117.8	
141	0.0	31.2	46.8	

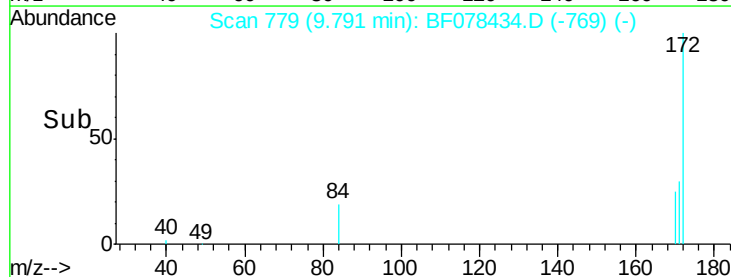
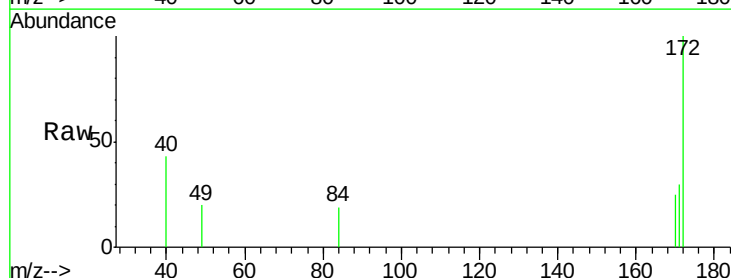
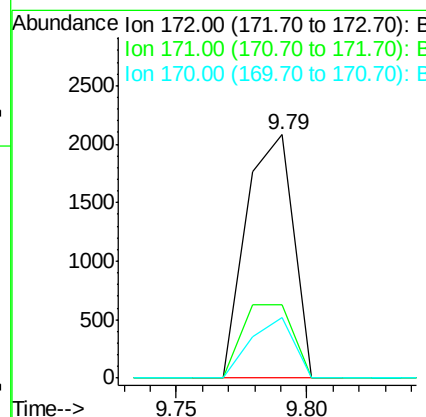
Manual Integrations
 APPROVED

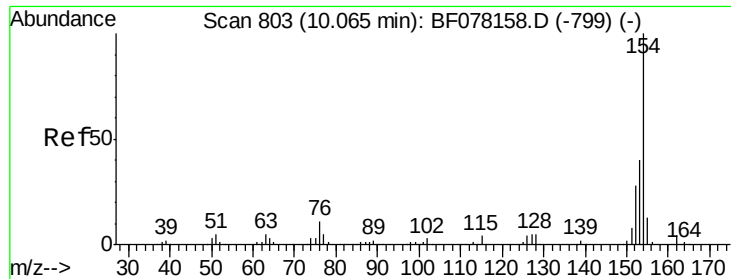
apatel
 4/13/2015 4:18:22 PM



#44
 2-Fluorobiphenyl
 Concen: 0.57 ng
 RT: 9.79 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2637		
171	29.9	28.6	42.8	
170	24.7	18.5	27.7	





#45

1,1'-Biphenyl

Concen: 5.09 ng

RT: 9.90 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF078434.D

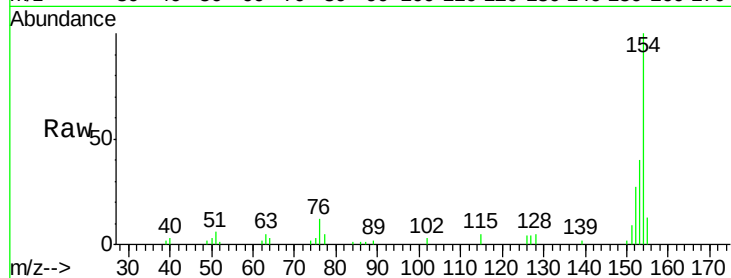
Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

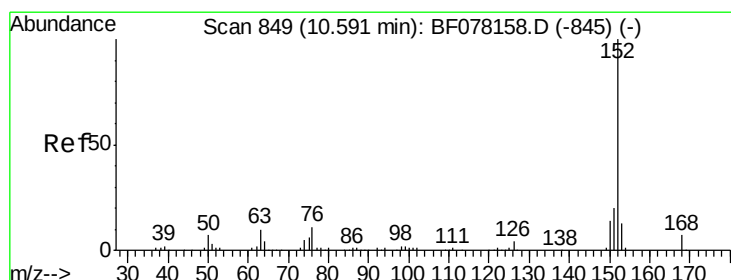
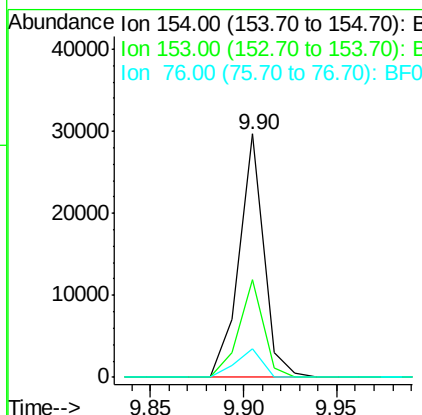
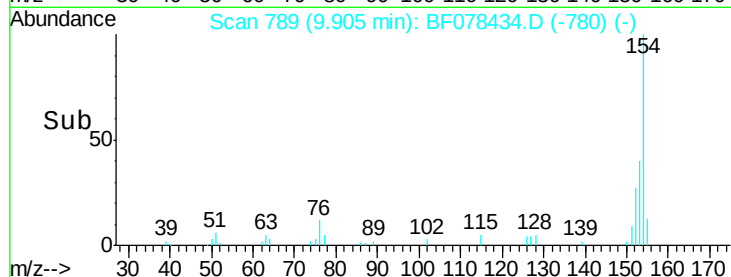
SB-3DADL2



Tgt Ion:	154	Resp:	27553
Ion Ratio	Lower	Upper	
154	100		
153	40.0	20.0	60.0
76	11.8	0.0	30.6

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM



#48

Acenaphthylene

Concen: 3.72 ng

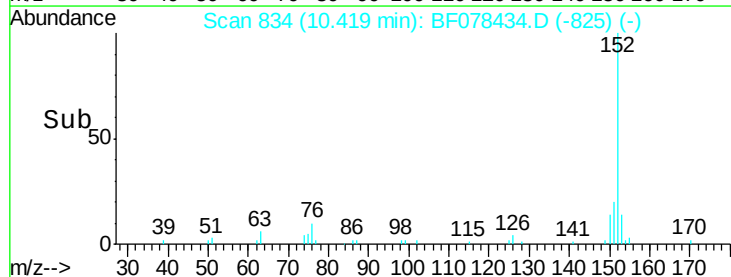
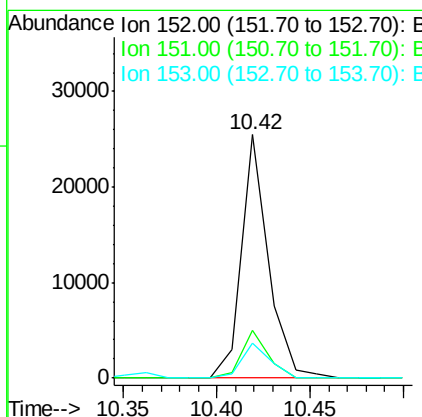
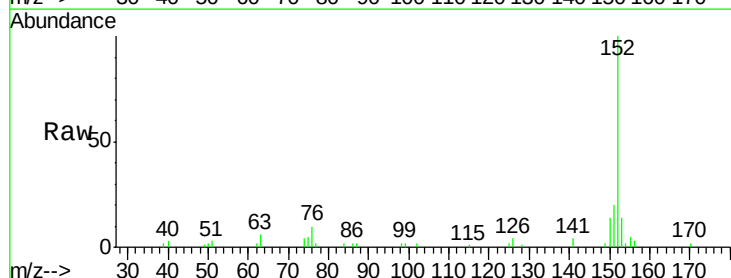
RT: 10.42 min Scan# 834

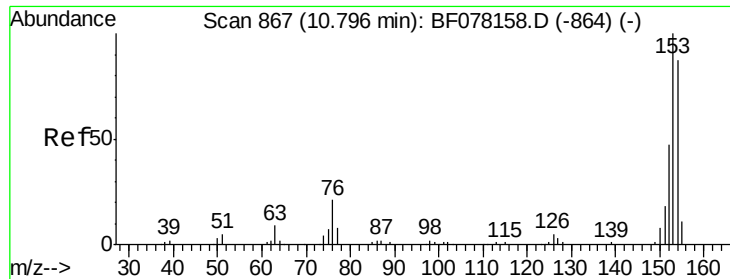
Delta R.T. 0.00 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Tgt Ion:	152	Resp:	25595
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	14.4	10.2	15.2





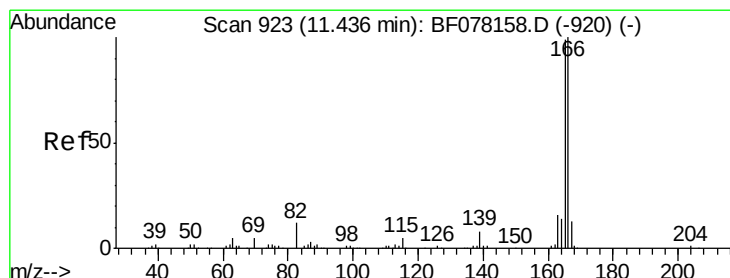
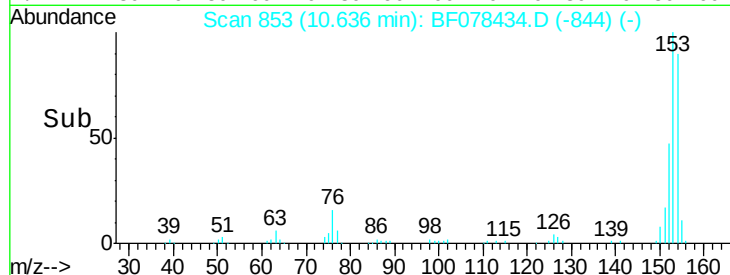
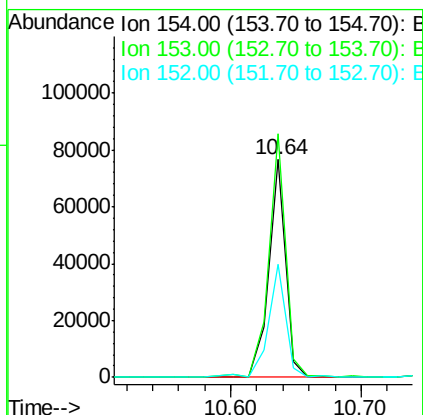
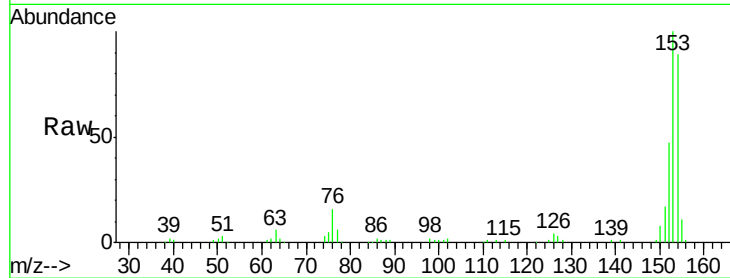
#51
Acenaphthene
Concen: 17.83 ng
RT: 10.64 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.9	91.4	137.2
152	52.2	43.0	64.6

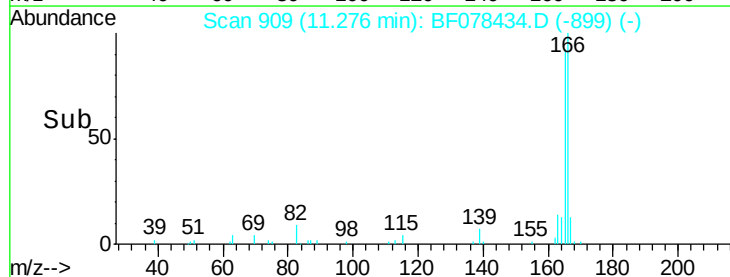
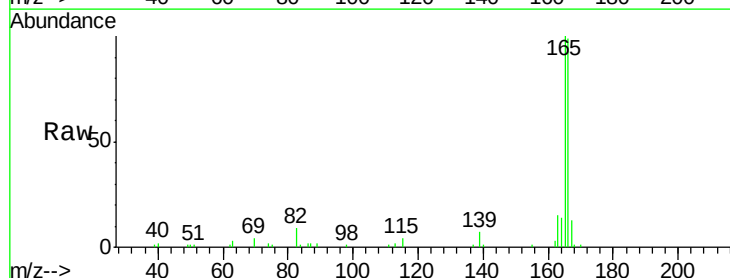
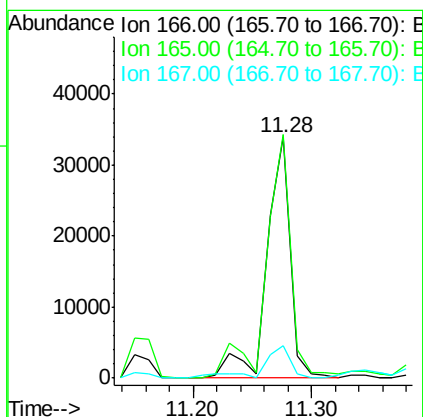
Manual Integrations
APPROVED

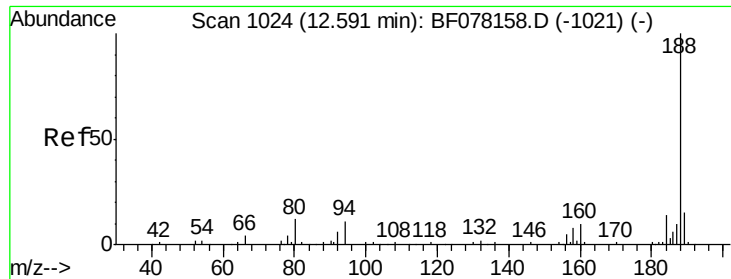
apatel
4/13/2015 4:18:22 PM



#57
Fluorene
Concen: 9.70 ng
RT: 11.28 min Scan# 909
Delta R.T. 0.01 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.9	118.3
167	13.3	10.7	16.1





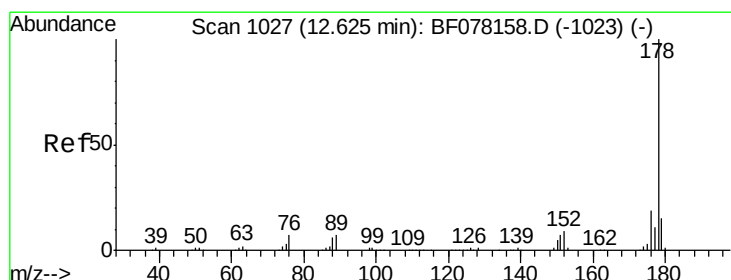
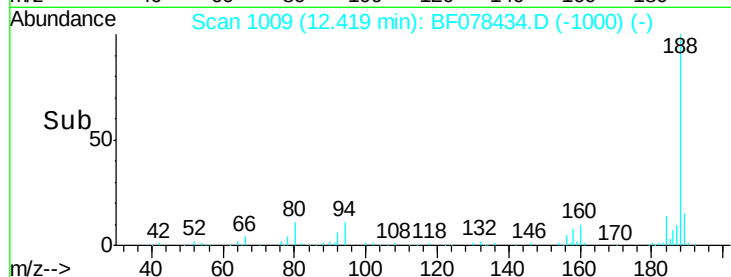
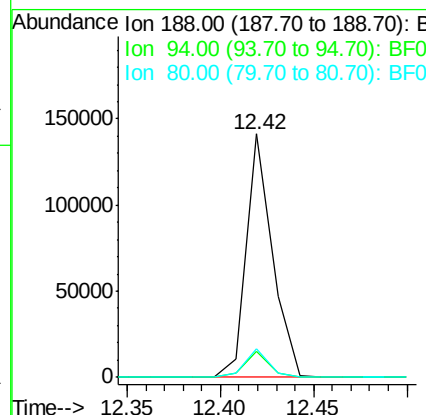
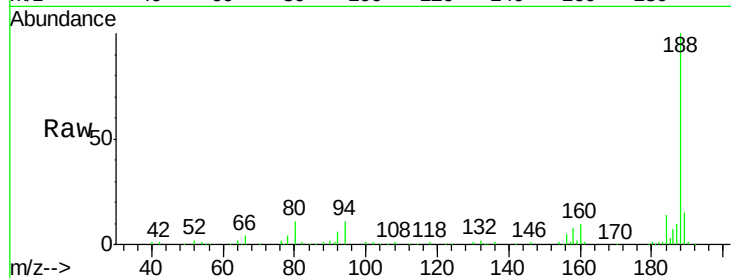
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.42 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	9.0	13.4
80	11.5	9.5	14.3

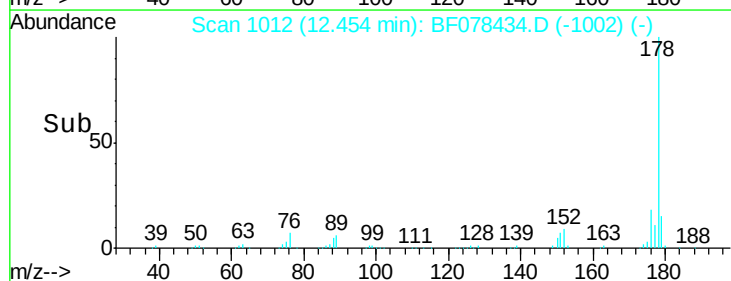
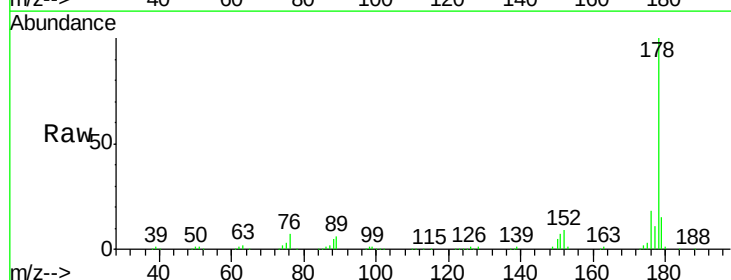
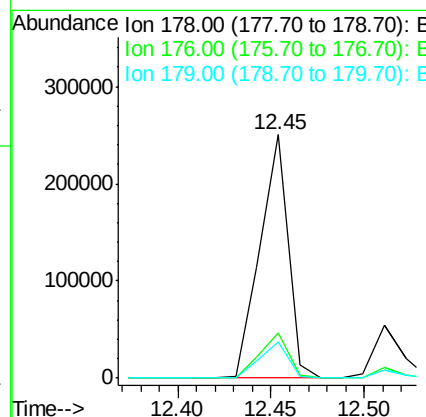
Manual Integrations
 APPROVED

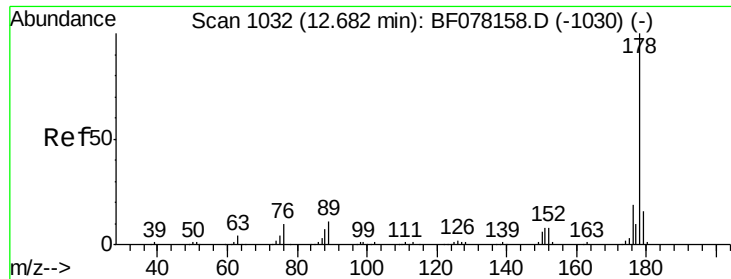
apatel
 4/13/2015 4:18:22 PM



#70
 Phenanthrene
 Concen: 32.84 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	15.4	23.0
179	15.0	12.2	18.2





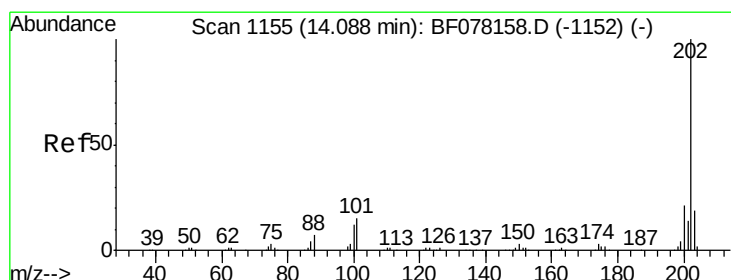
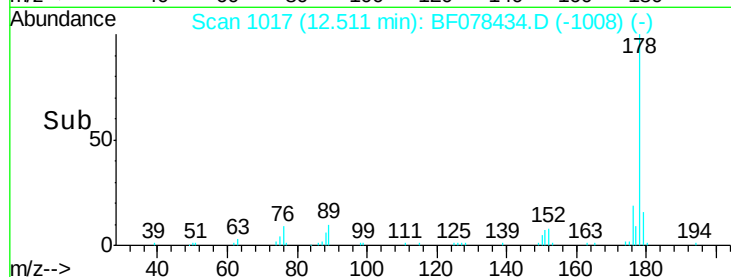
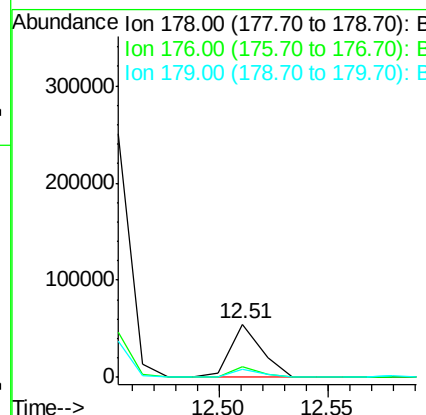
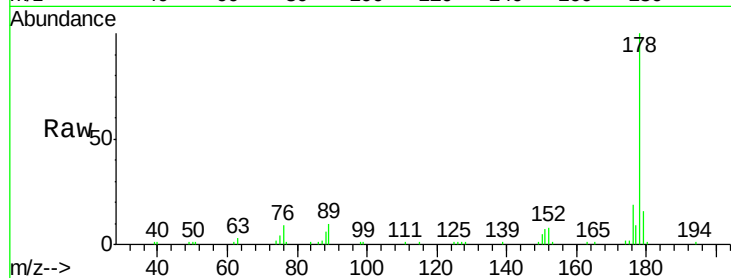
#71
 Anthracene
 Concen: 6.80 ng
 RT: 12.51 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	15.8	12.4	18.6

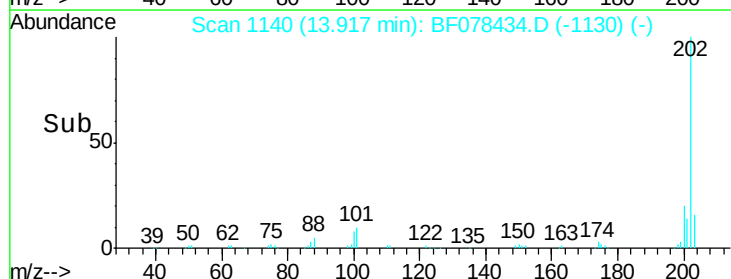
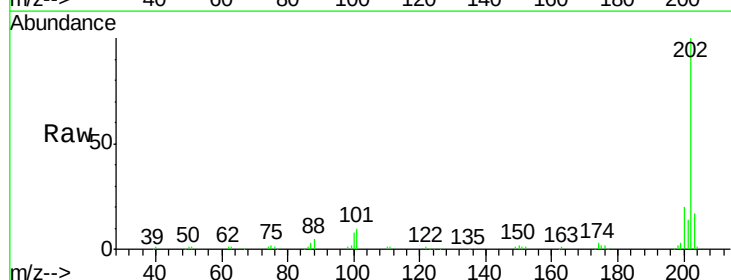
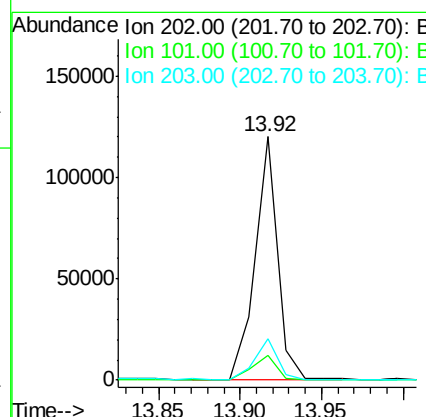
Manual Integrations
 APPROVED

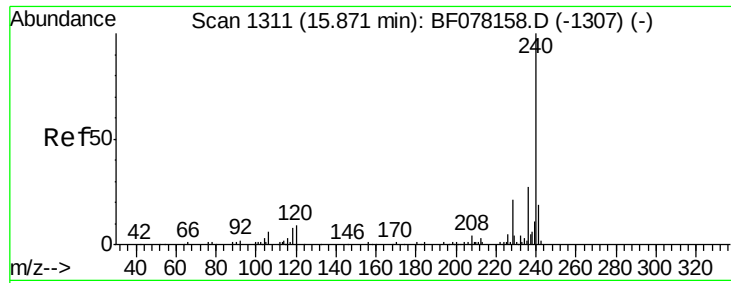
apatel
 4/13/2015 4:18:22 PM



#74
 Fluoranthene
 Concen: 13.61 ng
 RT: 13.92 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	35.2
203	16.9	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

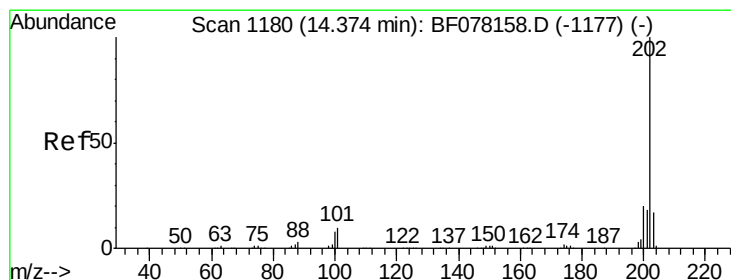
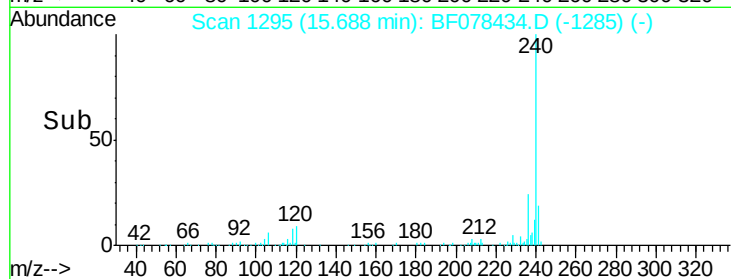
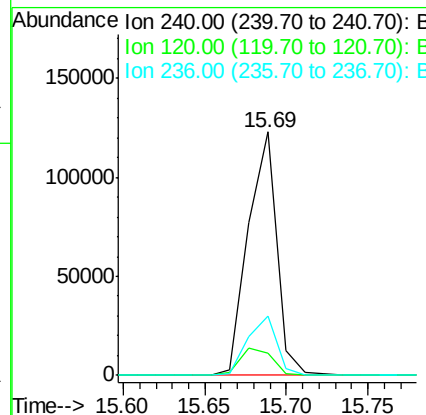
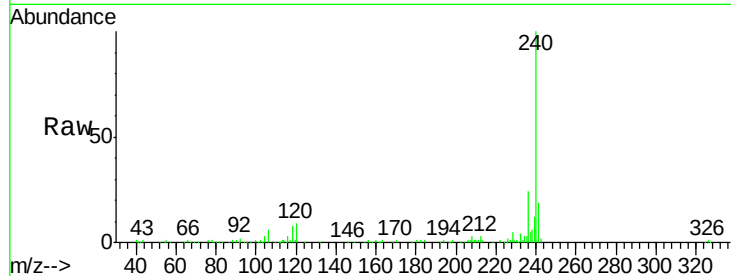
ClientSampleId :

SB-3DADL2

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.0	7.1	10.7		
236	24.2	21.4	32.2		

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM



#77

Pyrene

Concen: 17.63 ng

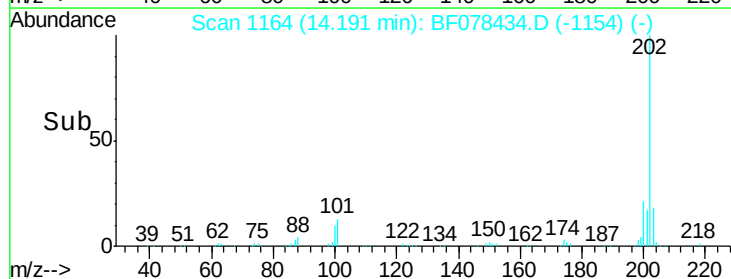
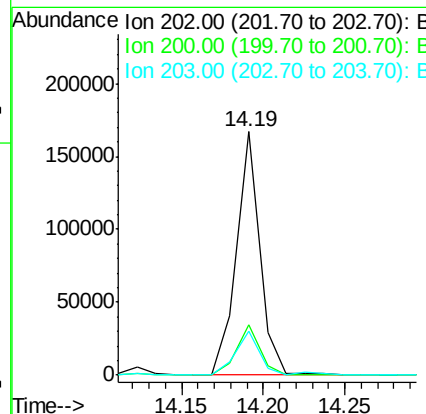
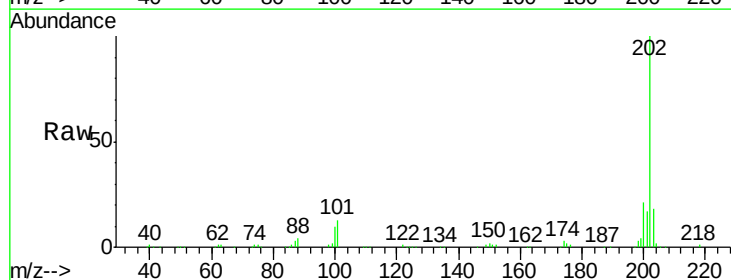
RT: 14.19 min Scan# 1164

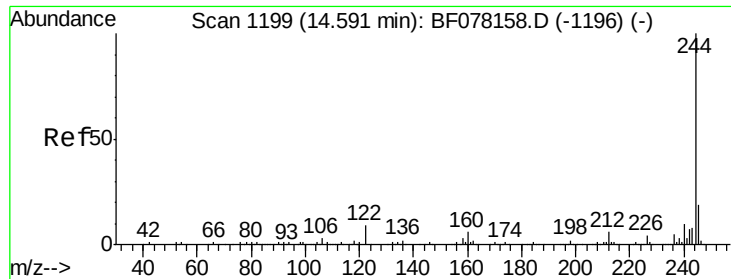
Delta R.T. 0.01 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.6	16.3	24.5		
203	17.8	13.8	20.6		





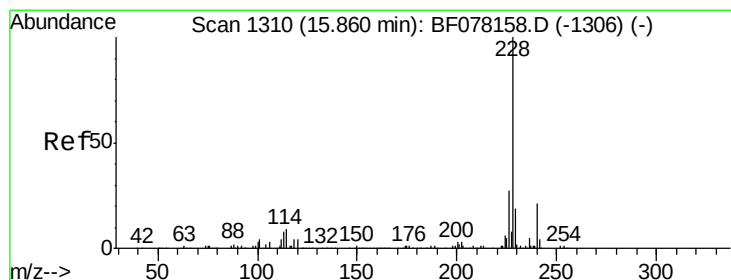
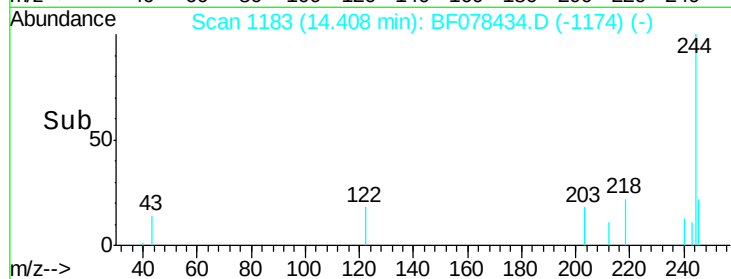
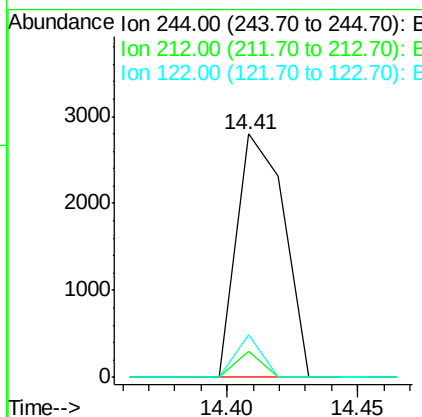
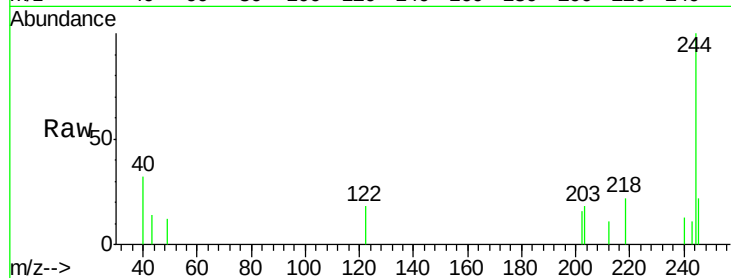
#78
 Terphenyl-d14
 Concen: 0.53 ng
 RT: 14.41 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.8	5.0	7.4#
122	17.7	7.1	10.7#

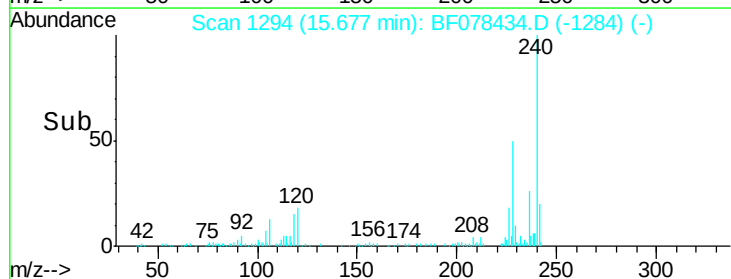
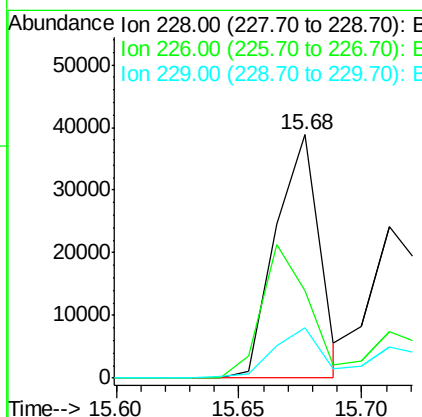
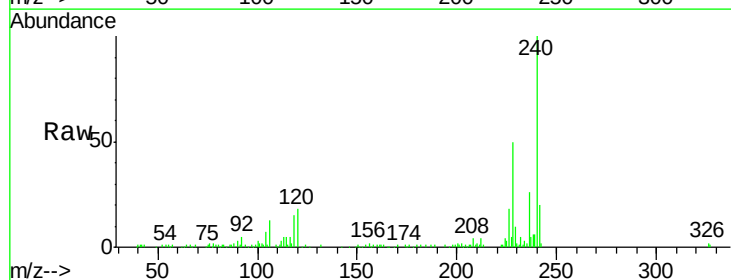
Manual Integrations
 APPROVED

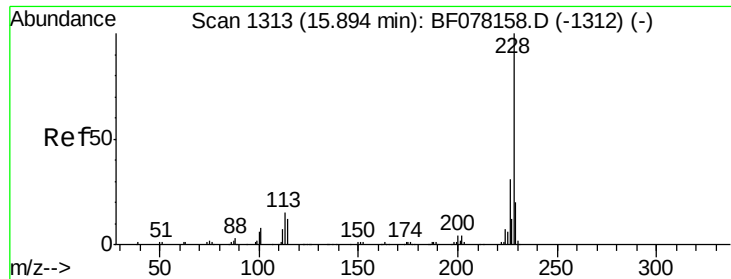
apatel
 4/13/2015 4:18:22 PM



#80
 Benzo(a)anthracene
 Concen: 5.41 ng m
 RT: 15.68 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.1	21.3	31.9#
229	20.7	15.4	23.2





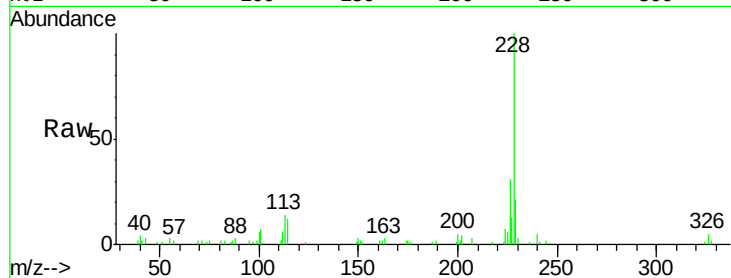
#82
Chrysene
Concen: 4.38 ng m
RT: 15.71 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampled :
SB-3DADL2

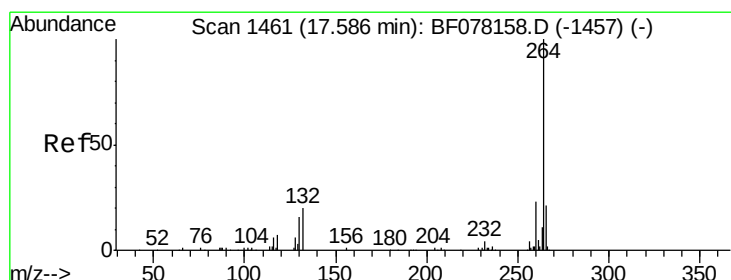
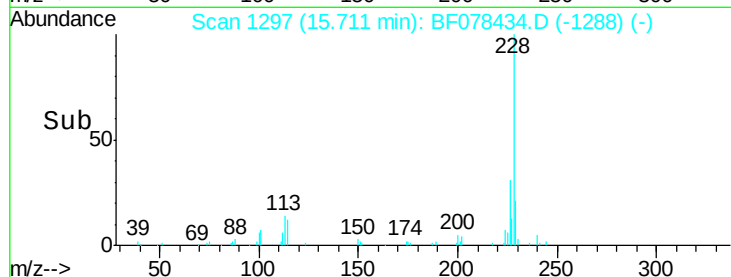
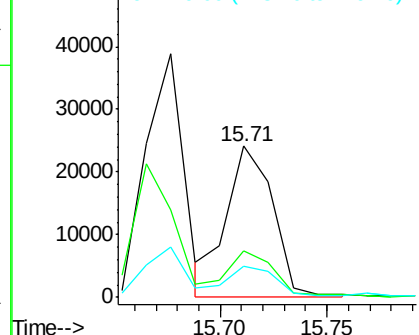
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	36526		
226	30.9	24.2	36.4	
229	20.9	15.8	23.8	

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM

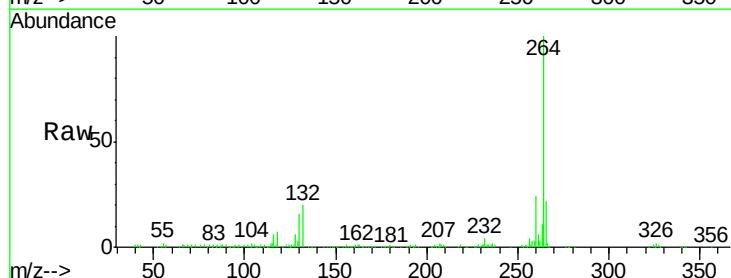


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

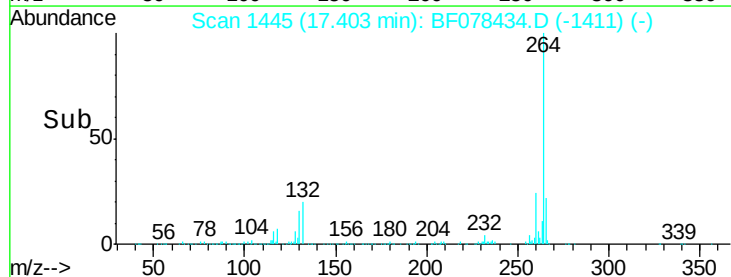
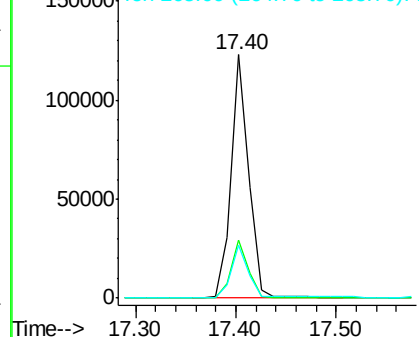


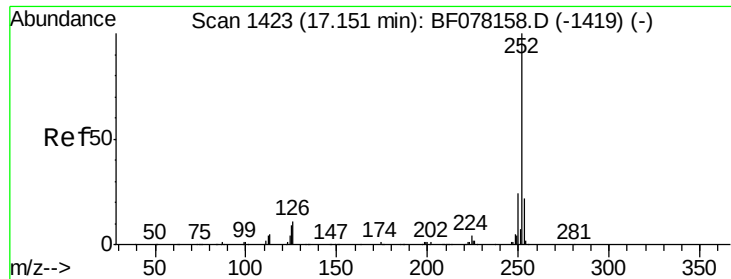
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.40 min Scan# 1445
Delta R.T. 0.09 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	149767		
260	23.6	18.6	27.8	
265	21.5	17.0	25.6	



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





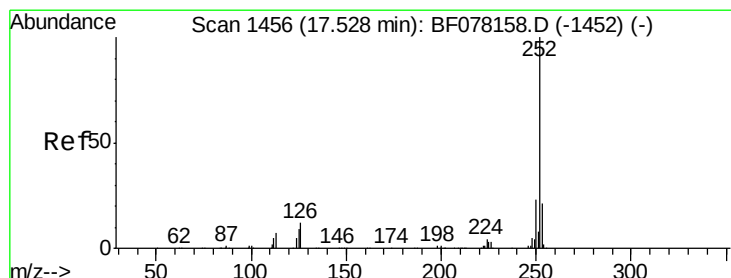
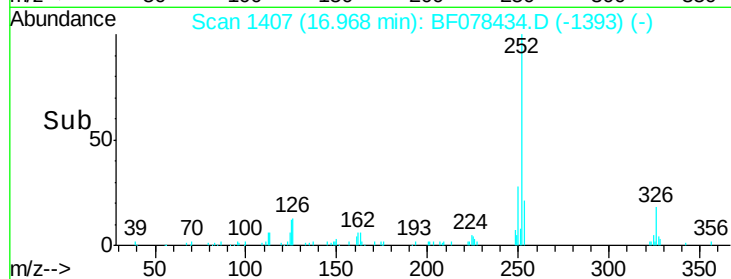
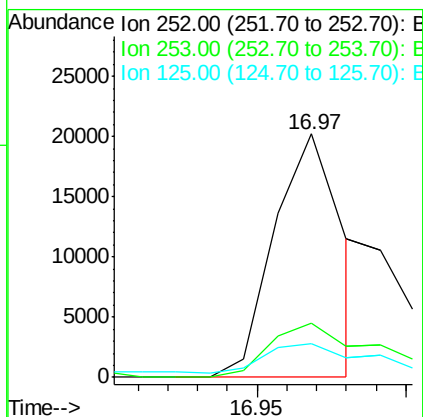
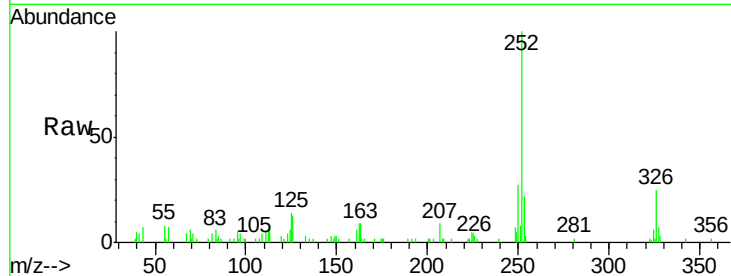
#87
Benzo(b)fluoranthene
Concen: 3.47 ng m
RT: 16.97 min Scan# 1407
Delta R.T. 0.06 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	13.9	7.0	10.4

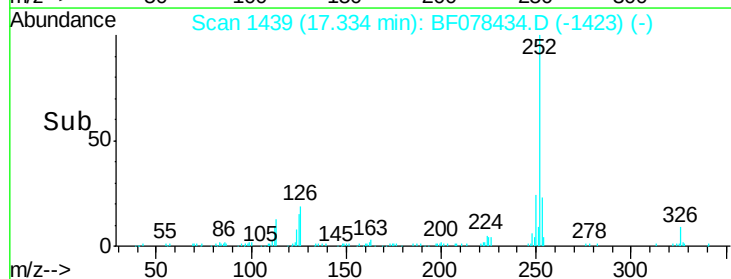
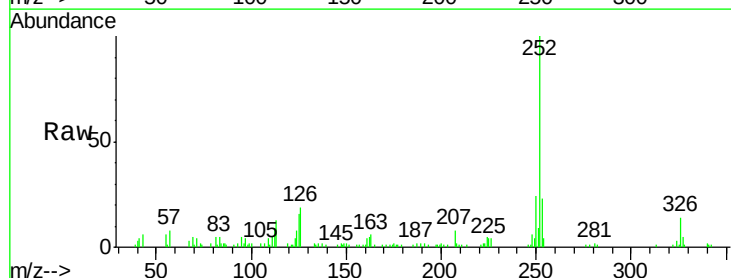
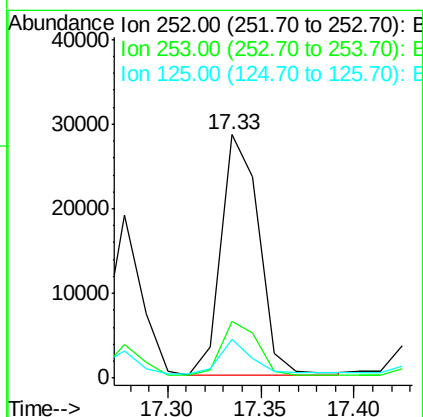
Manual Integrations
APPROVED

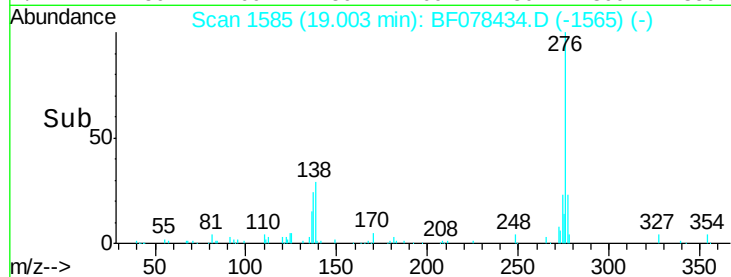
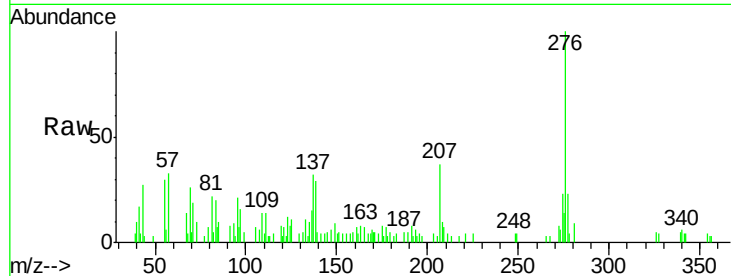
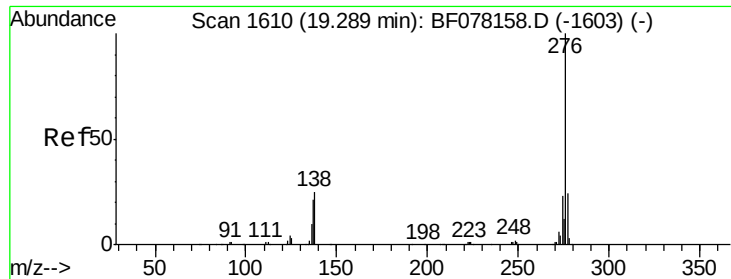
apatel
4/13/2015 4:18:22 PM



#89
Benzo(a)pyrene
Concen: 4.95 ng
RT: 17.33 min Scan# 1439
Delta R.T. 0.08 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.8	25.2
125	16.1	7.4	11.0





#91

Benzo(g,h,i)perylene

Concen: 2.28 ng

RT: 19.00 min Scan# 1585

Delta R.T. 0.13 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

Tgt Ion:	276	Resp:	18520
Ion Ratio		Lower	Upper
276	100		
277	23.1	19.0	28.4
138	28.7	19.9	29.9

Manual Integrations
APPROVED

apatel
4/13/2015 4:18:22 PM

