

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079683.D
 Acq On : 4 Jun 2015 3:02
 Operator : TP/IZ
 Sample : G2408-21
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16D

Manual Integrations
 APPROVED

apatel
 6/5/2015 8:09:55 AM

Quant Time: Jun 04 14:06:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	83588	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	320336	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	153823	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	317415	20.00	ng	-0.03
75) Chrysene-d12	15.03	240	321179m	20.00	ng	-0.35
86) Perylene-d12	16.96	264	327270m	20.00	ng	-0.53
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	566491	122.76	ng	0.00
7) Phenol-d6	7.11	99	712772	118.50	ng	0.00
23) Nitrobenzene-d5	8.07	82	357212	66.74	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	144782	114.04	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	825867	80.97	ng	0.00
78) Terphenyl-d14	13.77	244	1004014	78.96	ng	-0.18
Target Compounds						Qvalue
49) Dimethylphthalate	10.27	163	128118	11.37	ng	97
51) Acenaphthene	10.63	154	19166	2.05	ng	94
57) Fluorene	11.14	166	25198	2.28	ng	97
70) Phenanthrene	12.12	178	528747	30.13	ng	100
71) Anthracene	12.18	178	166675	9.44	ng	97
74) Fluoranthene	13.38	202	1410111	74.52	ng	94
77) Pyrene	13.63	202	1229306	66.47	ng	99
80) Benzo(a)anthracene	15.01	228	775313m	44.14	ng	
82) Chrysene	15.05	228	630368m	35.67	ng	
83) Bis(2-ethylhexyl)phthalate	14.96	149	21406m	5.11	ng	
85) Indeno(1,2,3-cd)pyrene	18.98	276	355216m	20.56	ng	
87) Benzo(b)fluoranthene	16.39	252	947298m	56.01	ng	
88) Benzo(k)fluoranthene	16.42	252	219297m	11.07	ng	
89) Benzo(a)pyrene	16.88	252	620565m	37.53	ng	
90) Dibenzo(a,h)anthracene	18.99	278	91920m	5.93	ng	
91) Benzo(g,h,i)perylene	19.60	276	352290m	21.44	ng	

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

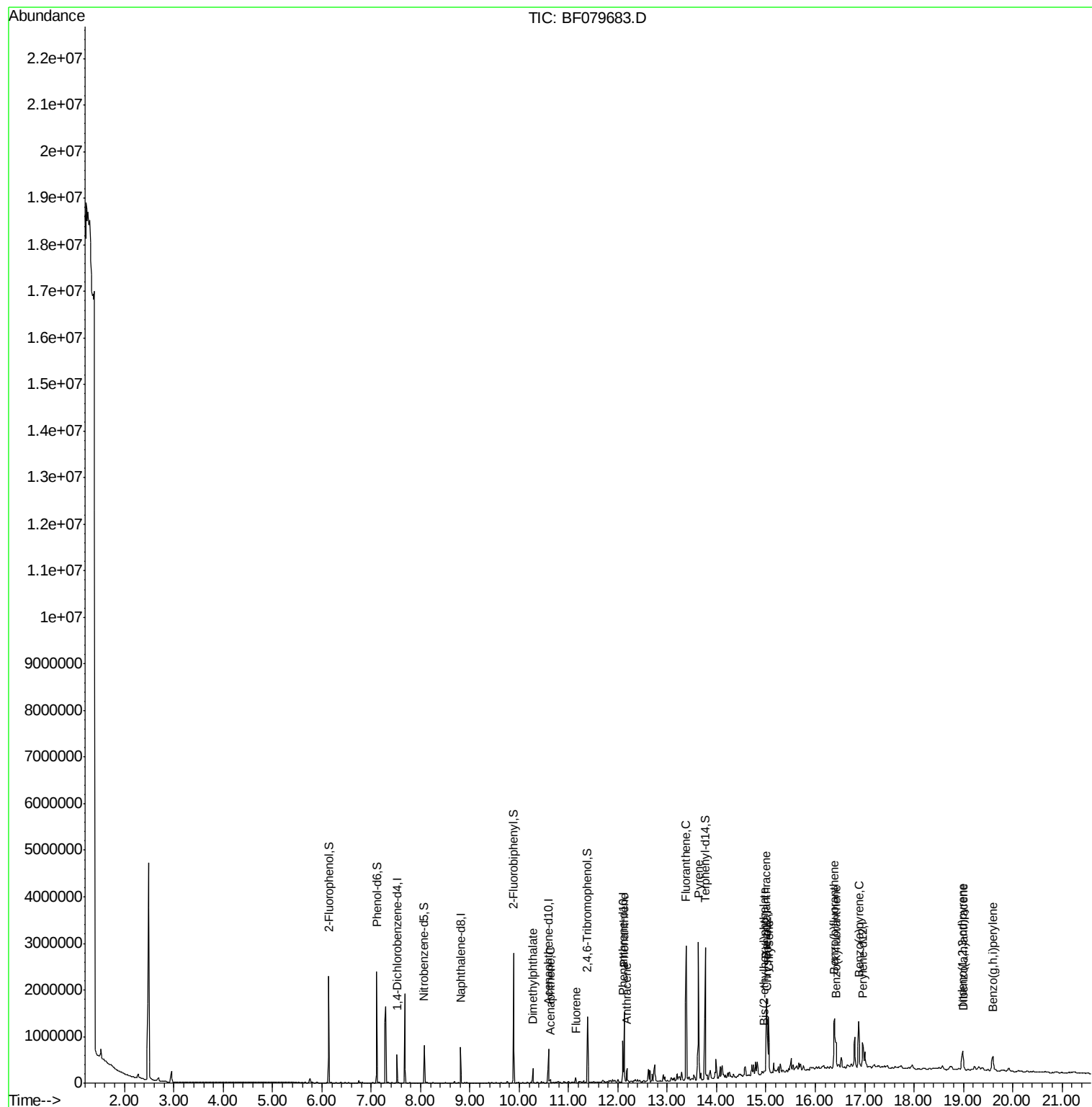
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

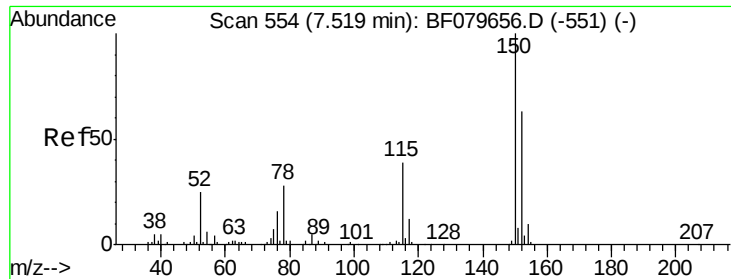
Instrument :
BNA_F
ClientSampled :
SB-16D

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM

Quant Time: Jun 04 14:06:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 15:20:47 2015
Response via : Initial Calibration





#1

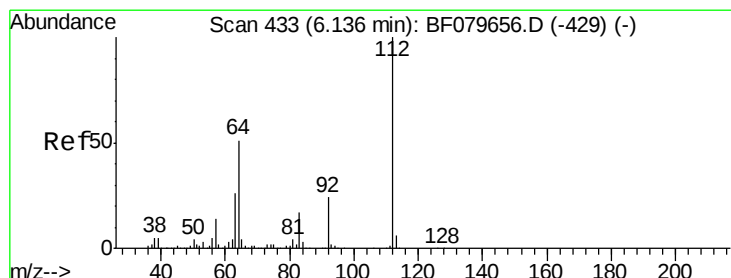
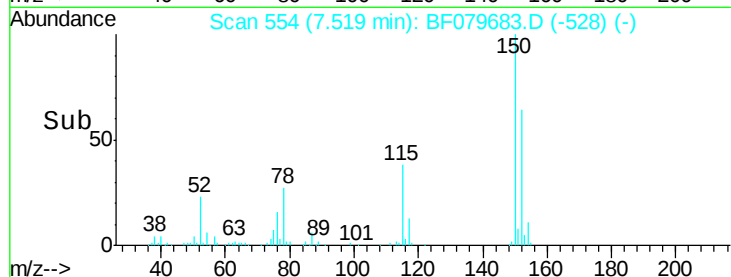
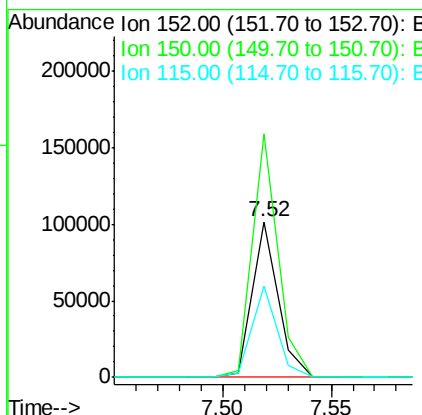
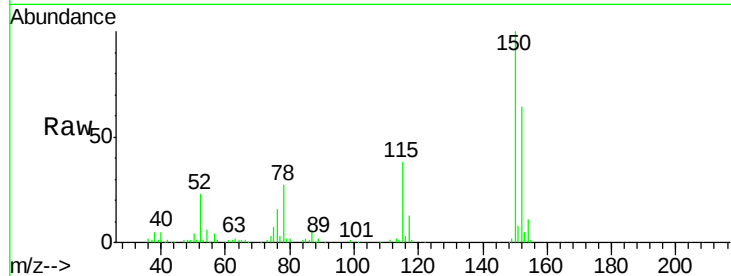
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.7	190.1
115	58.9	49.2	73.8

Manual Integrations
APPROVED

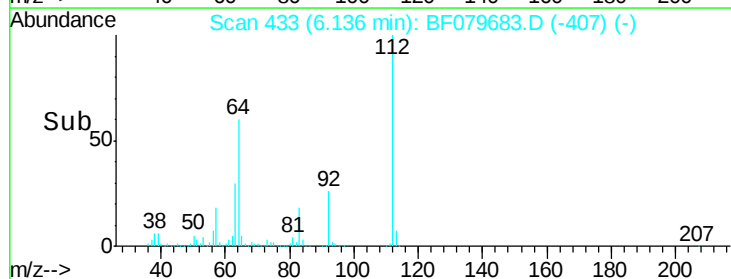
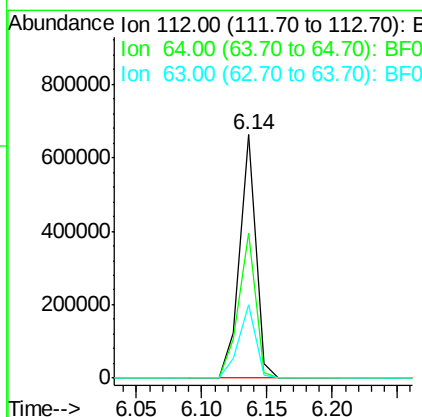
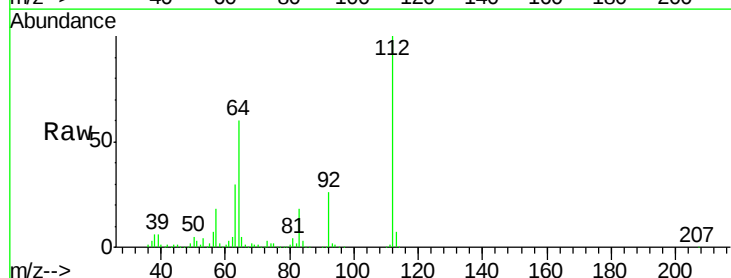
apatel
6/5/2015 8:09:55 AM



#5

2-Fluorophenol
Concen: 122.76 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	41.1	61.7
63	29.9	20.5	30.7





#7

Phenol-d6

Concen: 118.50 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

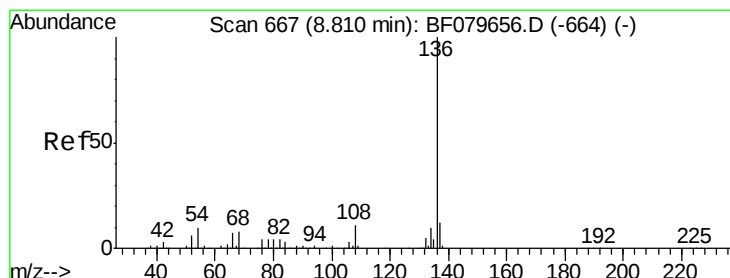
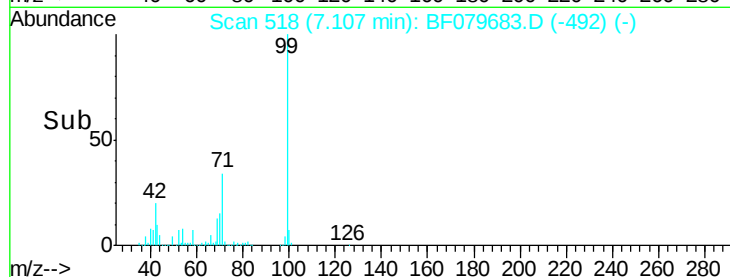
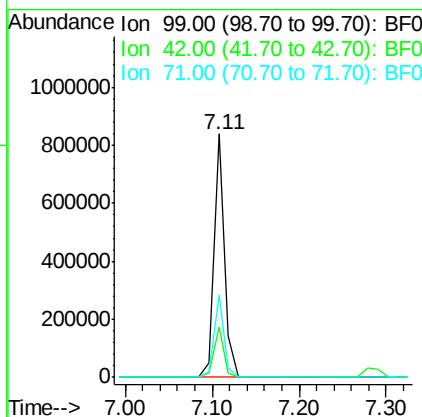
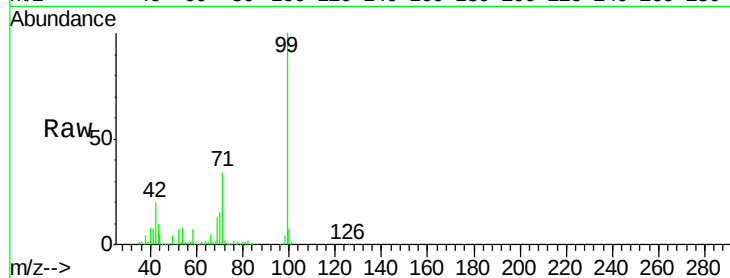
ClientSampleId :

SB-16D

Tot Ion:	99	Resp:	712772
Ion Ratio	Lower	Upper	
99	100		
42	20.4	15.2	22.8
71	33.6	25.9	38.9

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



#21

Naphthalene-d8

Concen: 20.00 ng

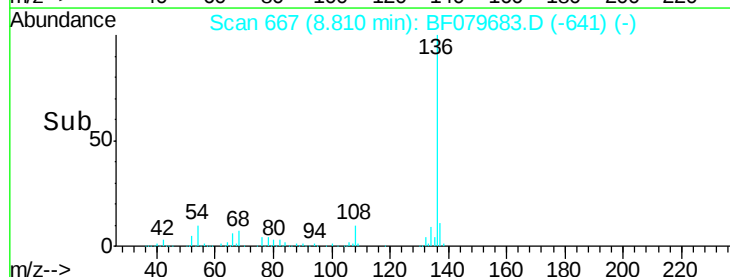
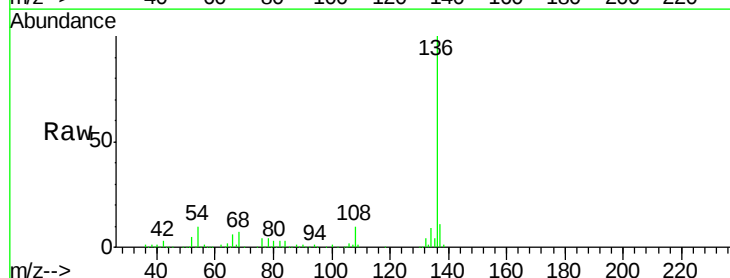
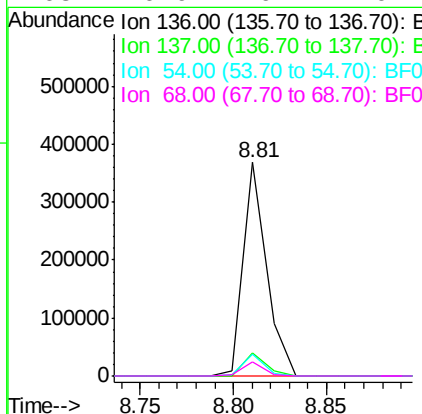
RT: 8.81 min Scan# 667

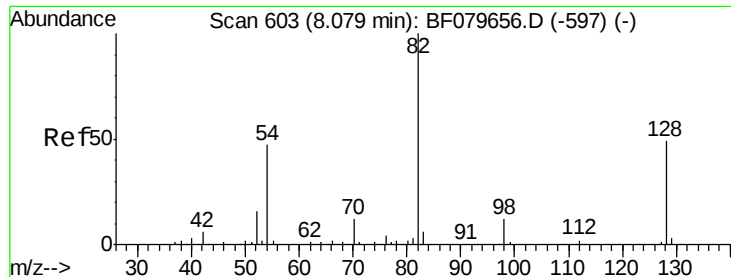
Delta R.T. -0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Tgt Ion:	136	Resp:	320336
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.3	13.9
54	9.9	8.3	12.5
68	6.9	6.1	9.1





#23

Nitrobenzene-d5

Concen: 66.74 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

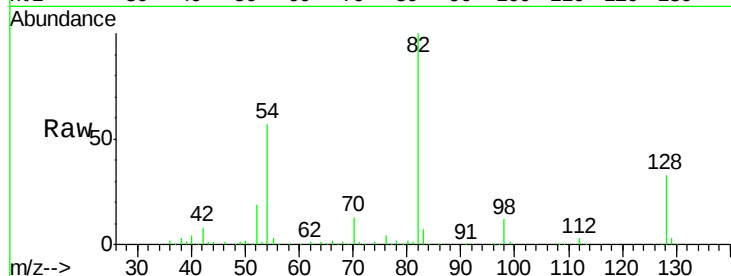
ClientSampled :

SB-16D

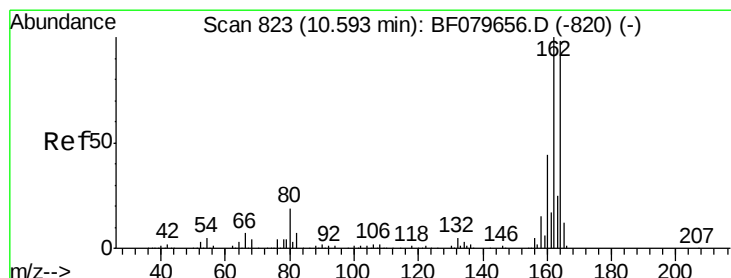
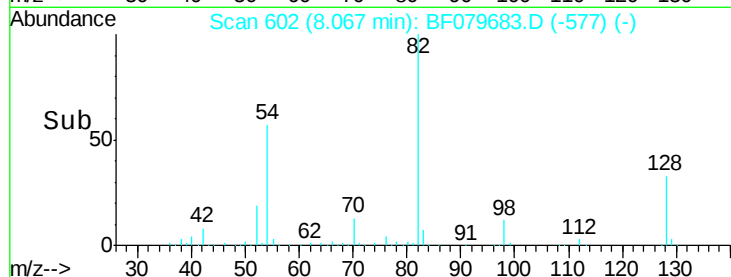
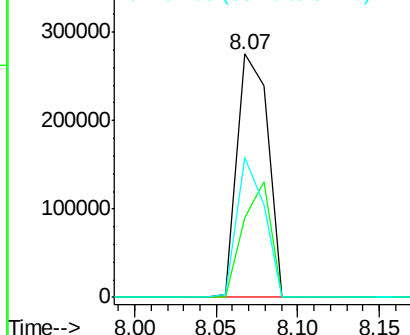
Tot Ion:	82	Resp:	357212
Ion Ratio		Lower	Upper
82	100		
128	32.9	39.4	59.0#
54	57.3	37.4	56.0#

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

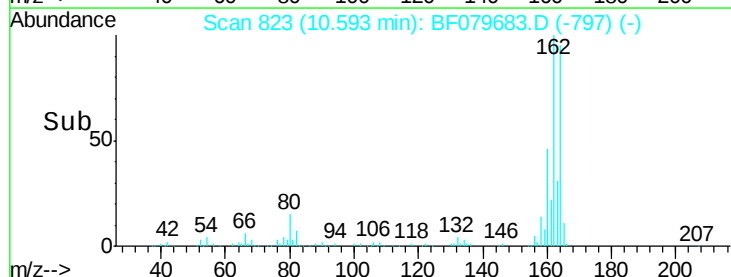
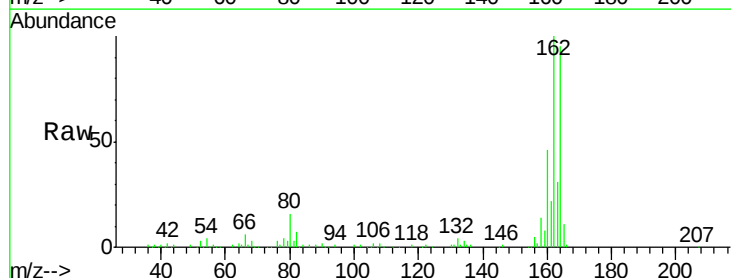
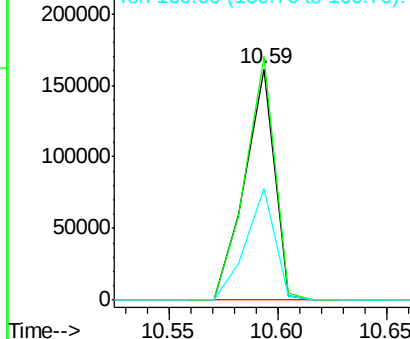
Delta R.T. -0.00 min

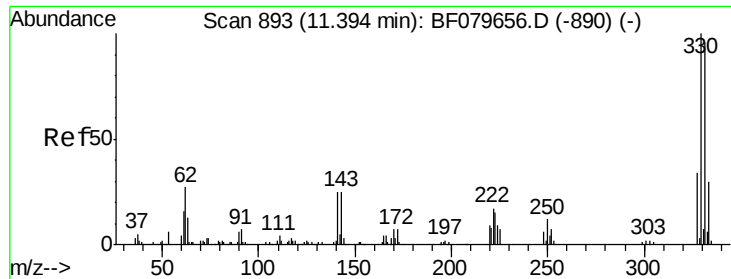
Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Tgt Ion:	164	Resp:	153823
Ion Ratio		Lower	Upper
164	100		
162	105.4	82.0	123.0
160	48.6	35.9	53.9

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





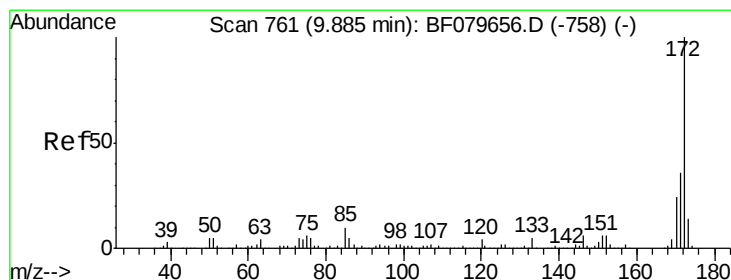
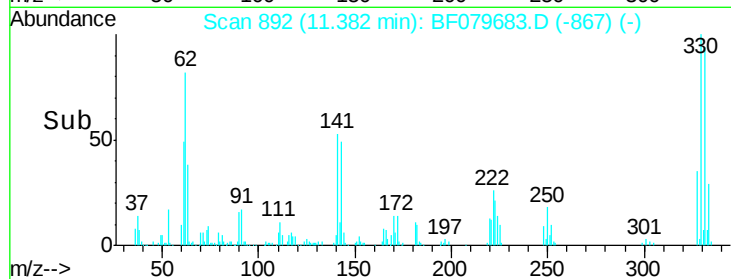
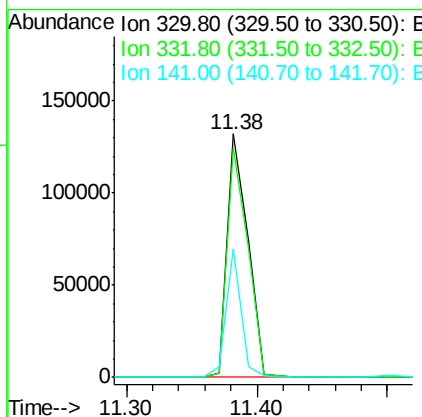
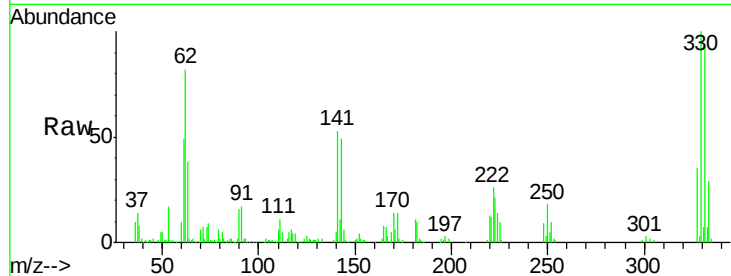
#41
 2,4,6-Tribromophenol
 Concen: 114.04 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-16D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	144782		
332	94.4		77.3	115.9
141	39.0		27.4	41.2

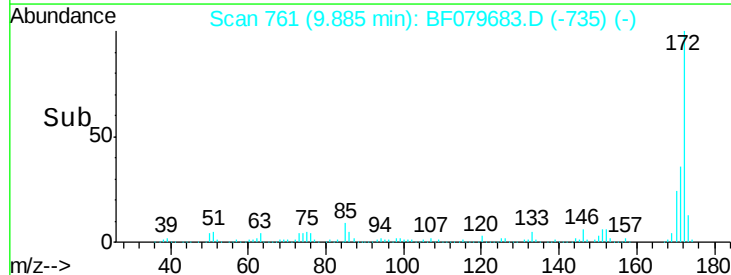
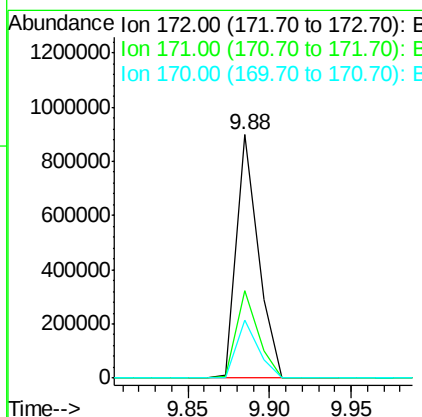
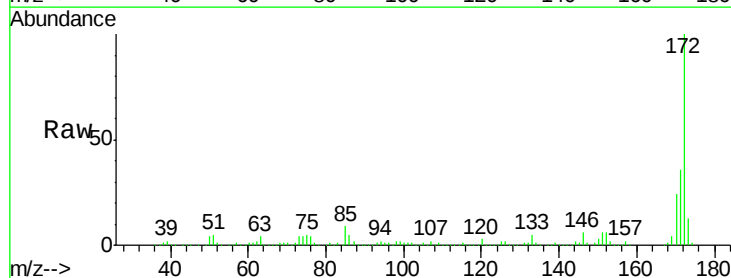
Manual Integrations
 APPROVED

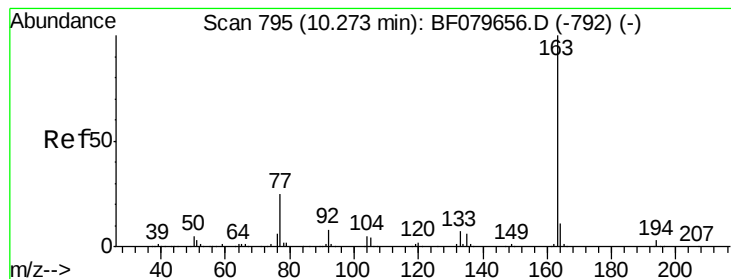
apatel
 6/5/2015 8:09:55 AM



#44
 2-Fluorobiphenyl
 Concen: 80.97 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	825867		
171	35.8		28.8	43.2
170	23.7		19.2	28.8





#49

Dimethylphthalate

Concen: 11.37 ng

RT: 10.27 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

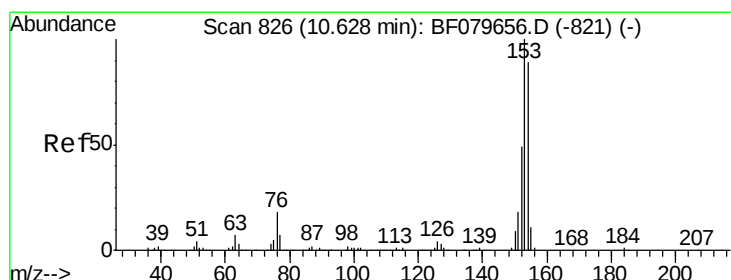
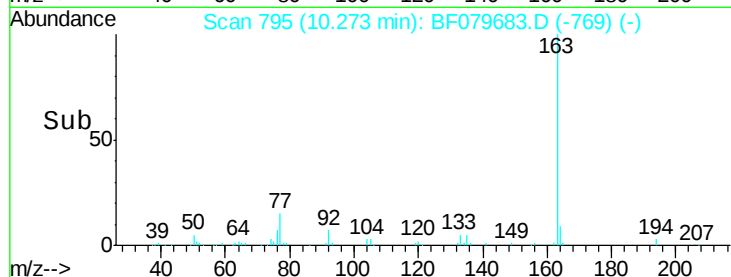
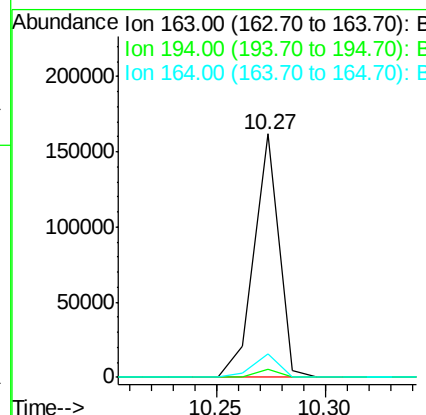
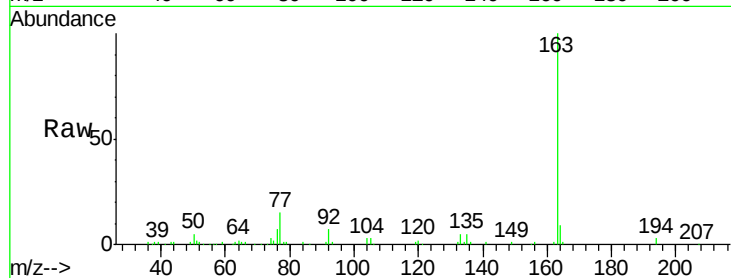
ClientSampleId :

SB-16D

Tot Ion	Ratio	Resp	Lower	Upper
163	100	128118		
194	3.5	2.6	3.8	
164	9.5	8.6	12.8	

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



#51

Acenaphthene

Concen: 2.05 ng

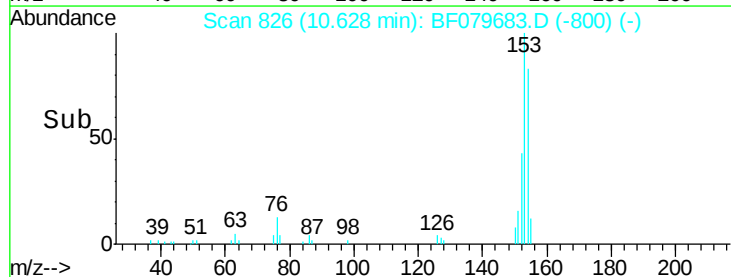
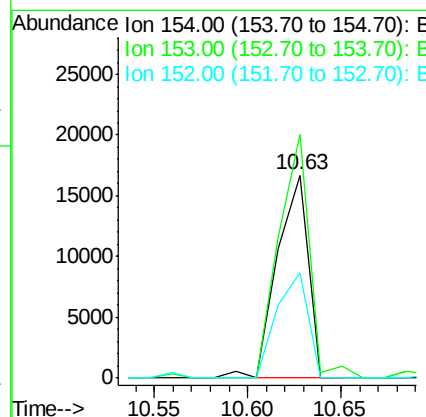
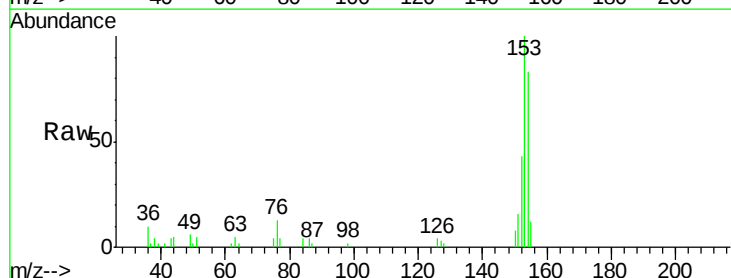
RT: 10.63 min Scan# 826

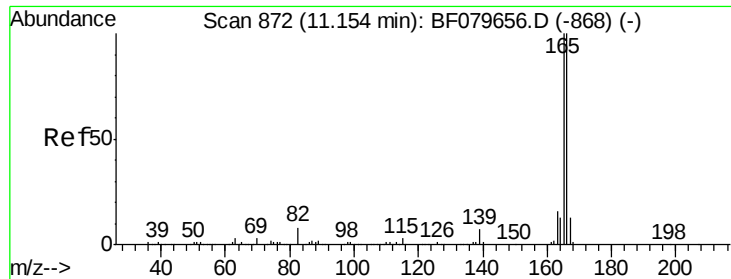
Delta R.T. -0.00 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	19166		
153	120.0	89.8	134.6	
152	51.9	43.8	65.8	





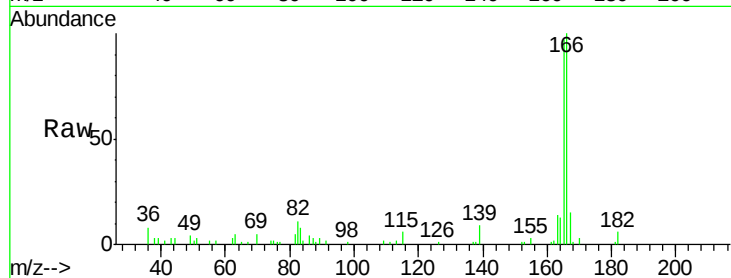
#57
Fluorene
Concen: 2.28 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.1	79.8	119.6	
167	15.1	10.6	15.8	

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM

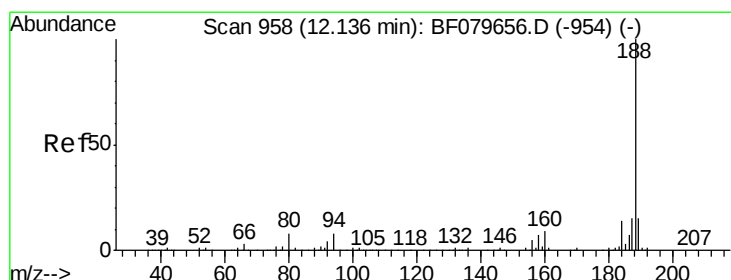
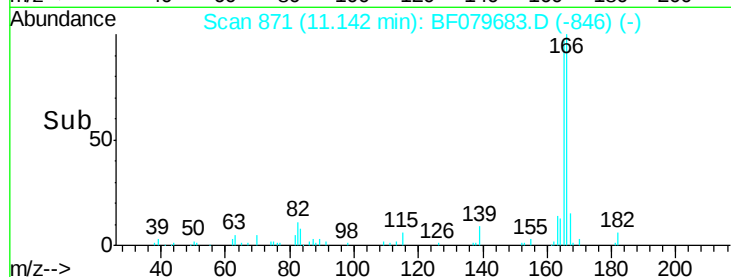
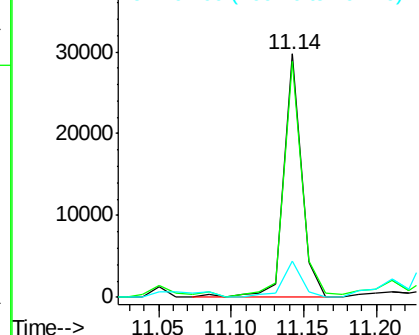


Abundance

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: 12.10 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

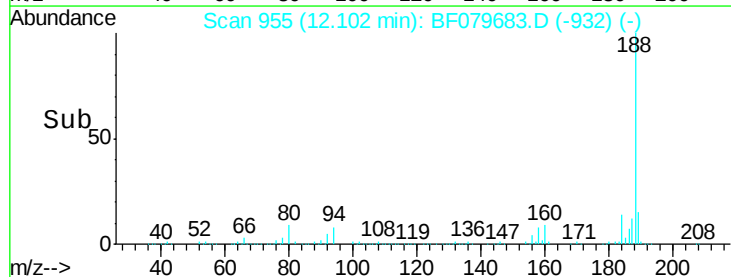
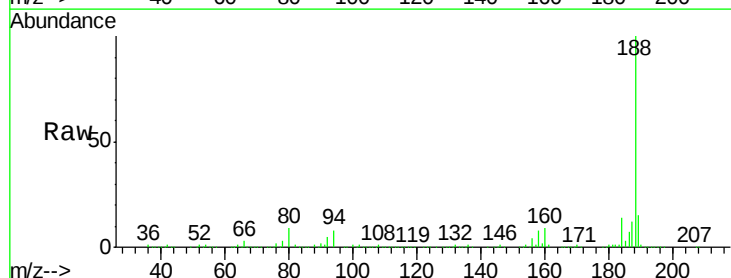
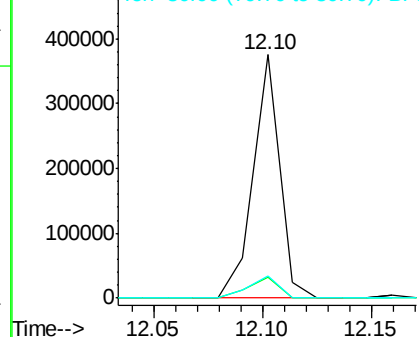
Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.4	6.1	9.1	
80	9.1	6.2	9.2	

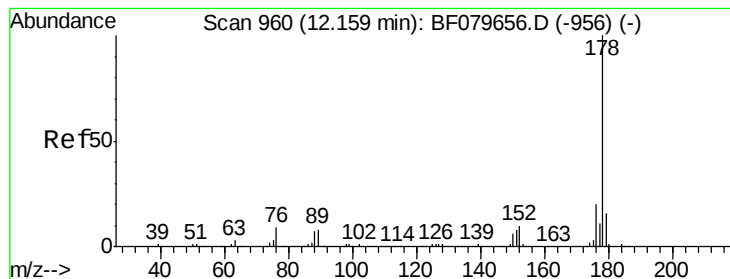
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 30.13 ng

RT: 12.12 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

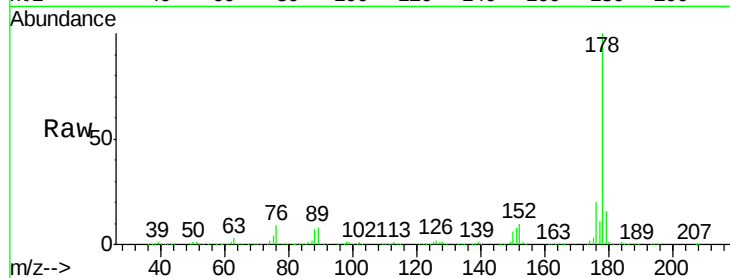
ClientSampleId :

SB-16D

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.1	12.7	19.1

Manual Integrations
APPROVED

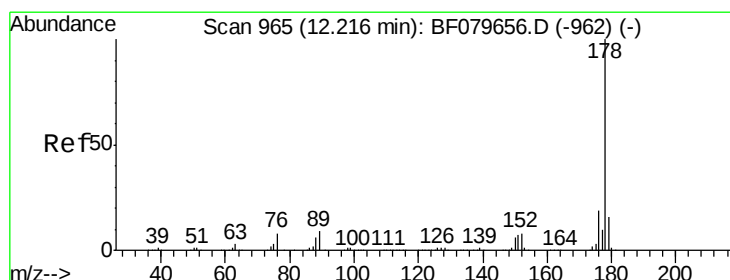
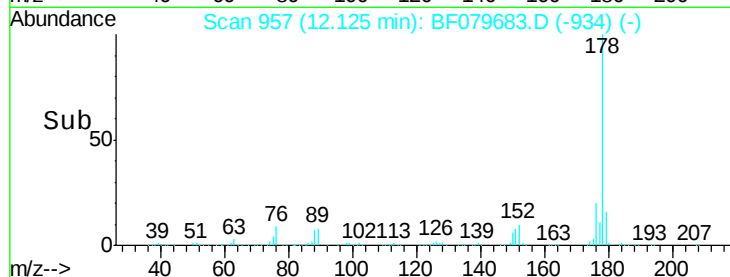
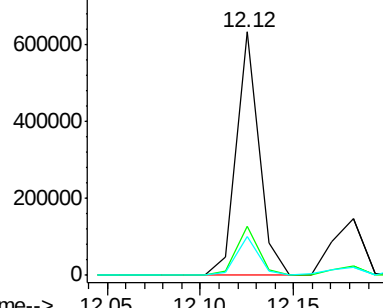
apatel
6/5/2015 8:09:55 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 9.44 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079683.D

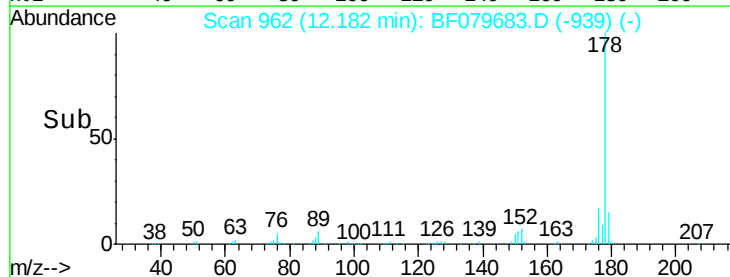
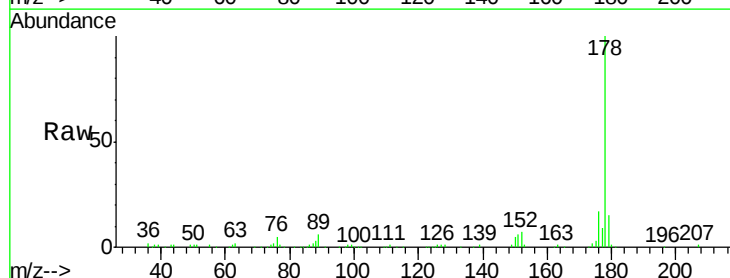
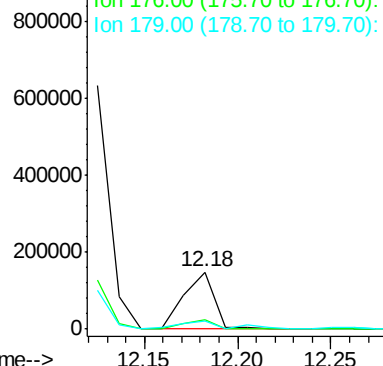
Acq: 4 Jun 2015 3:02

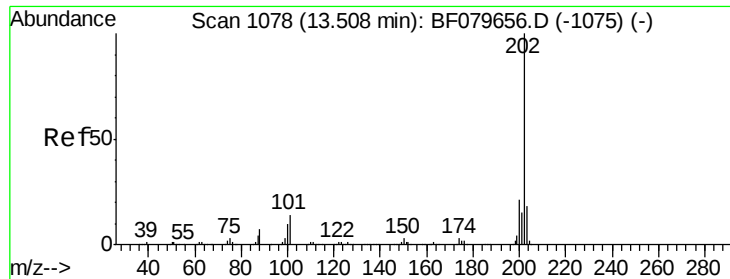
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.0
179	14.9	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 74.52 ng

RT: 13.38 min Scan# 1067

Delta R.T. -0.13 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

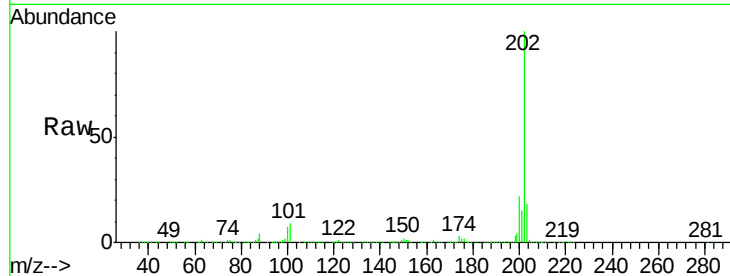
ClientSampleId :

SB-16D

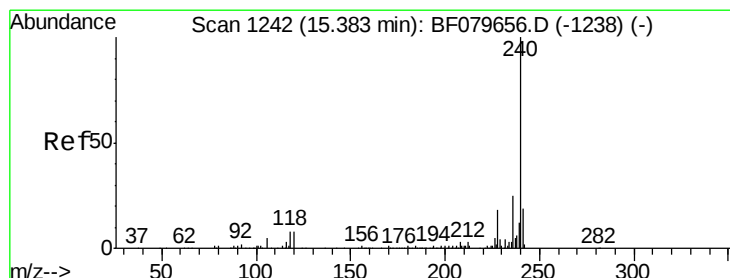
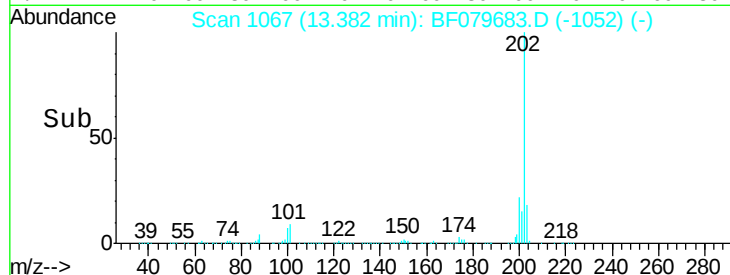
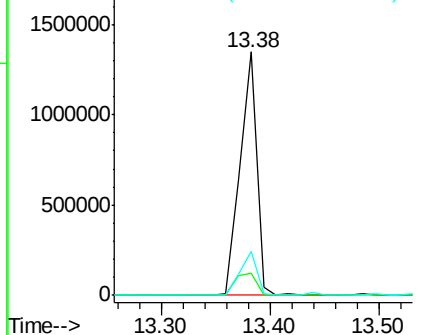
Tot Ion:	202	Resp:	1410111
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.0
203	18.1	0.0	37.9

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng m

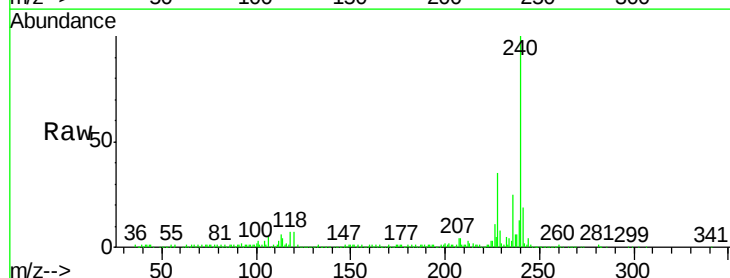
RT: 15.03 min Scan# 1211

Delta R.T. -0.35 min

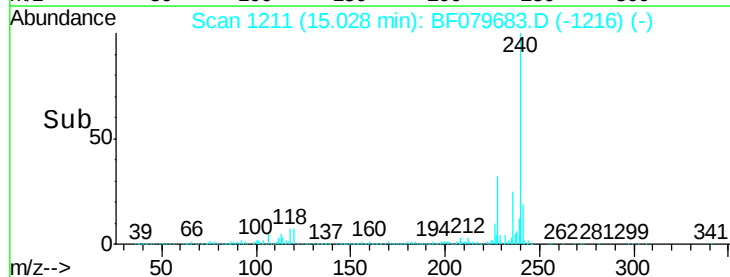
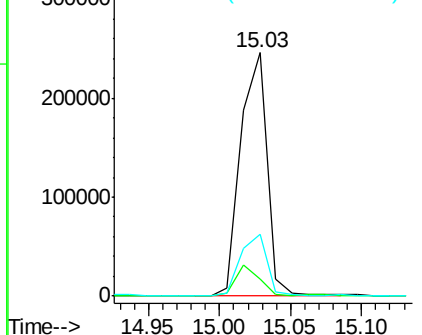
Lab File: BF079683.D

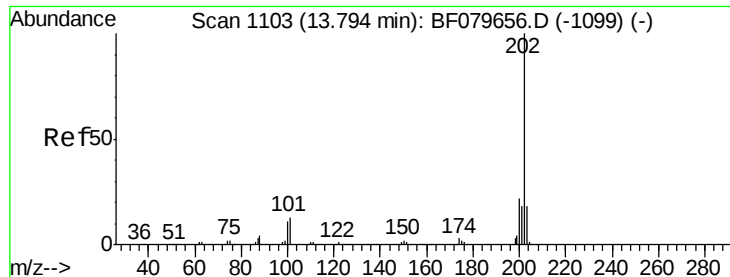
Acq: 4 Jun 2015 3:02

Tgt Ion:	240	Resp:	321179
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.4	9.6
236	25.3	20.2	30.4



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

Pvrene

Concen: 66.47 ng

RT: 13.63 min Scan# 1089

Delta R.T. -0.16 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

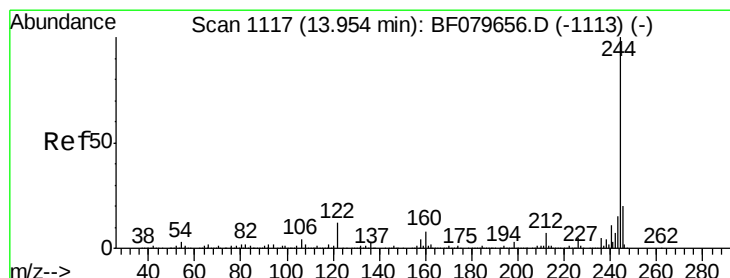
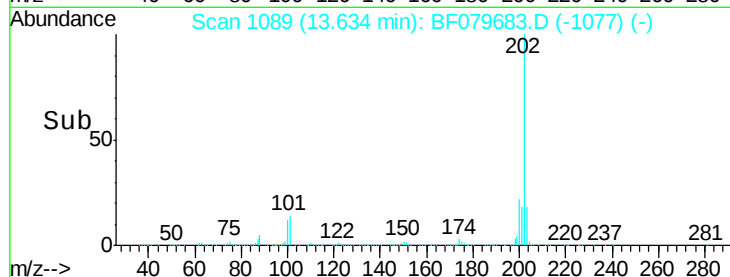
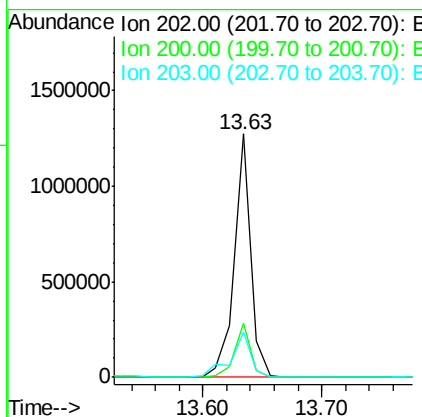
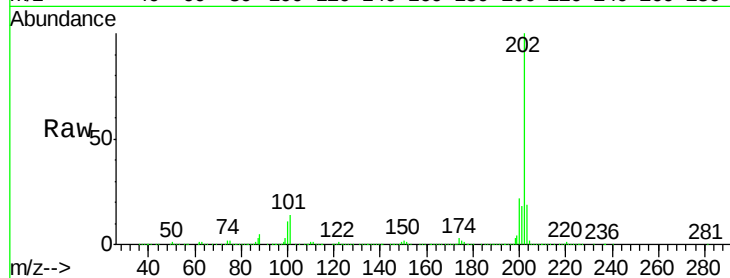
ClientSampleId :

SB-16D

Tot Ion:	202	Resp:	1229306
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.0
203	18.6	14.5	21.7

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



#78

Terphenyl-d14

Concen: 78.96 ng

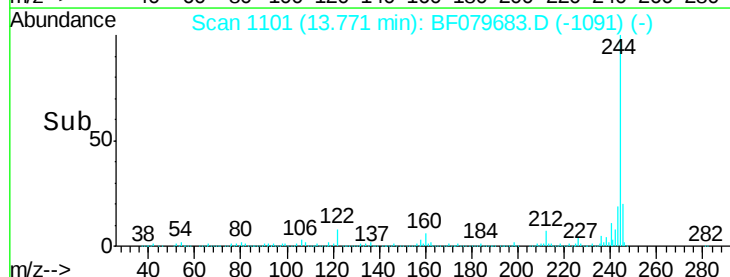
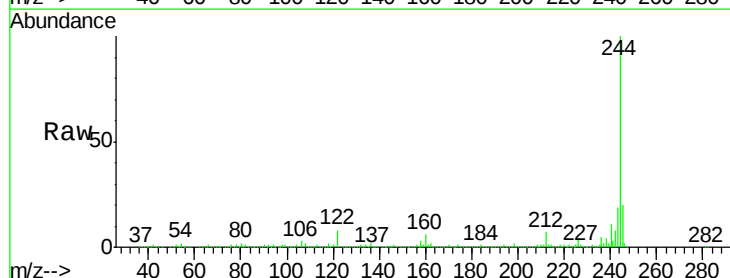
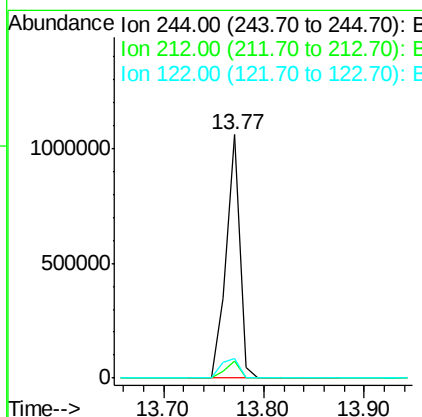
RT: 13.77 min Scan# 1101

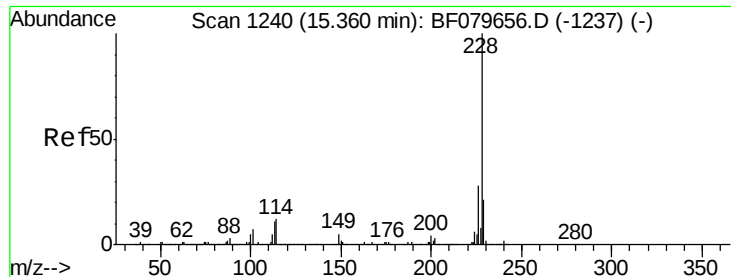
Delta R.T. -0.18 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Tgt Ion:	244	Resp:	1004014
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	8.3	9.8	14.6#





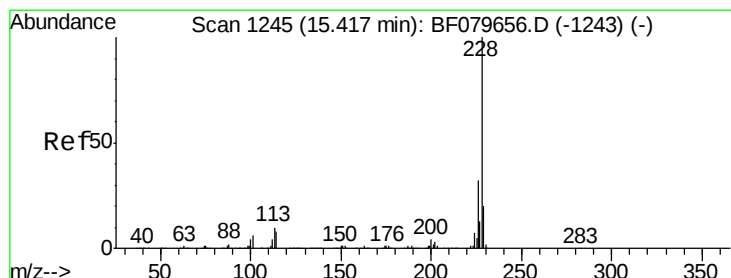
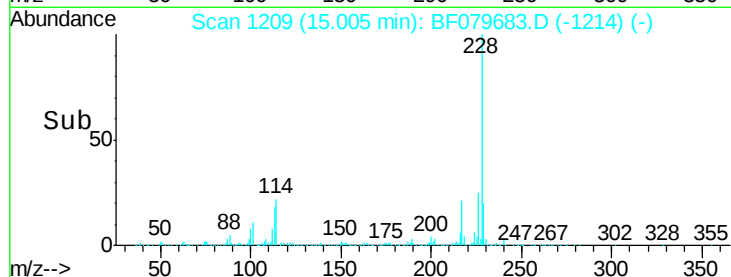
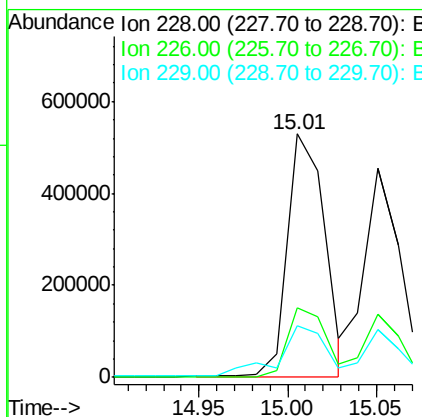
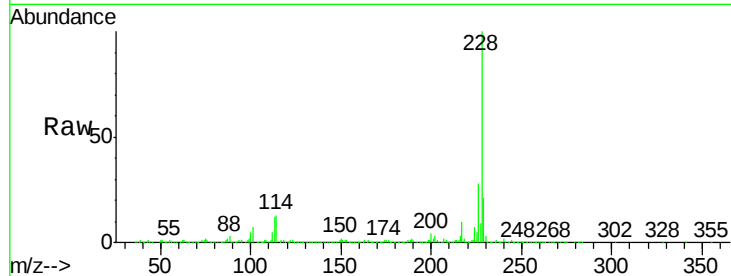
#80
Benzo(a)anthracene
Concen: 44.14 ng m
RT: 15.01 min Scan# 1209
Delta R.T. -0.35 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		775313		
226	28.4		22.5	33.7	
229	21.2		16.6	24.8	

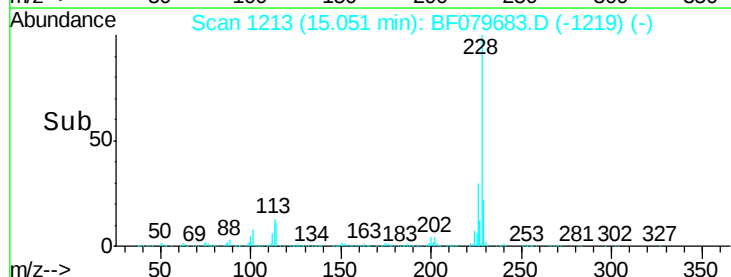
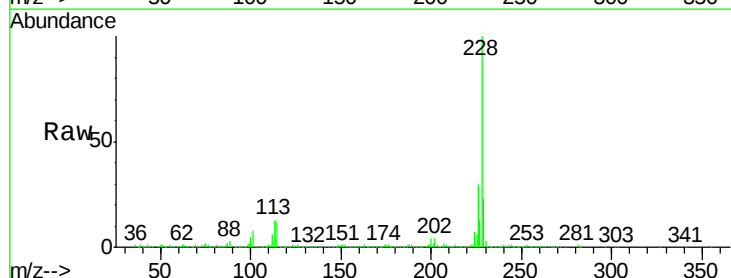
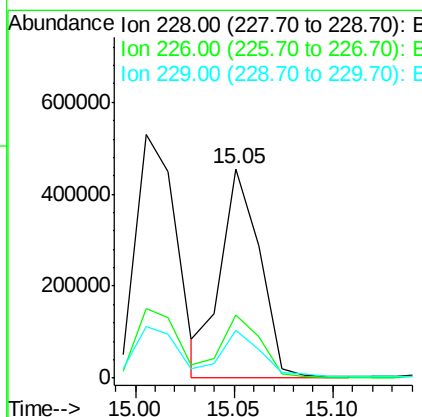
Manual Integrations
APPROVED

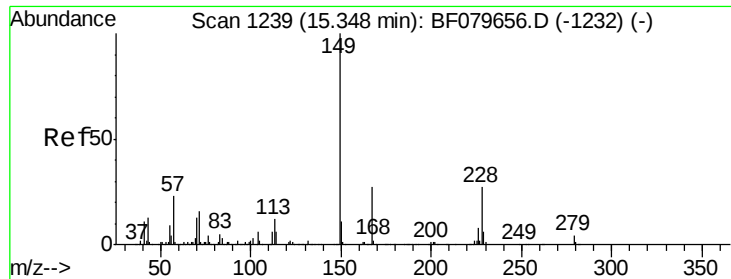
apatel
6/5/2015 8:09:55 AM



#82
Chrysene
Concen: 35.67 ng m
RT: 15.05 min Scan# 1213
Delta R.T. -0.37 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		630368		
226	30.3		25.2	37.8	
229	23.0		16.3	24.5	





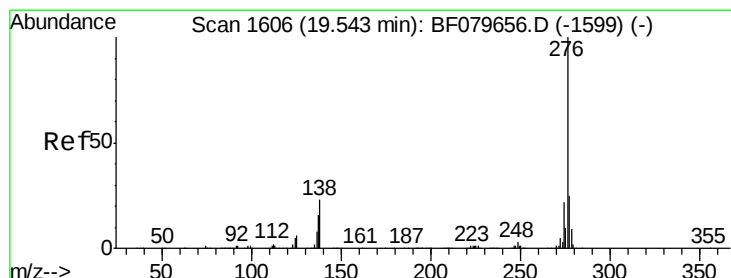
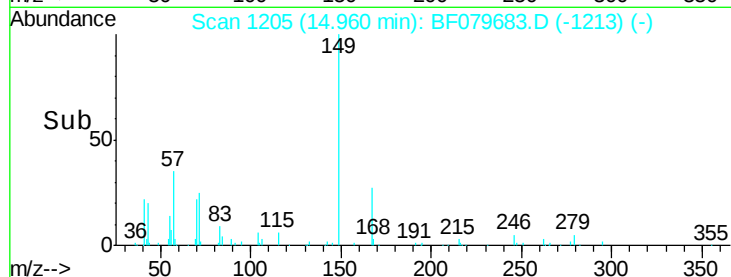
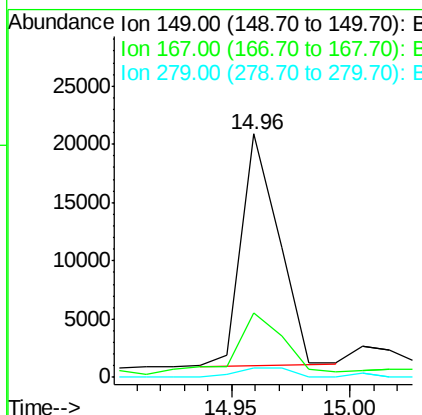
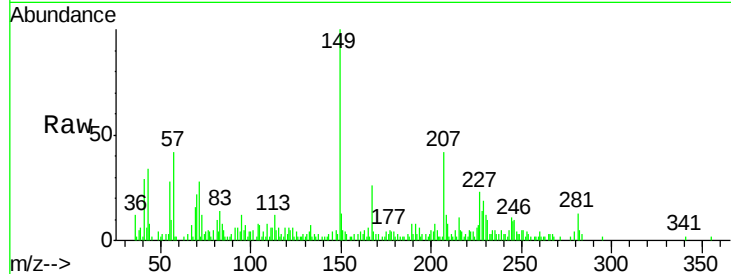
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.11 ng m
 RT: 14.96 min Scan# 1205
 Delta R.T. -0.39 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Instrument :
 BNA_F
 ClientSampled :
 SB-16D

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.6	32.4
279	4.0	3.1	4.7

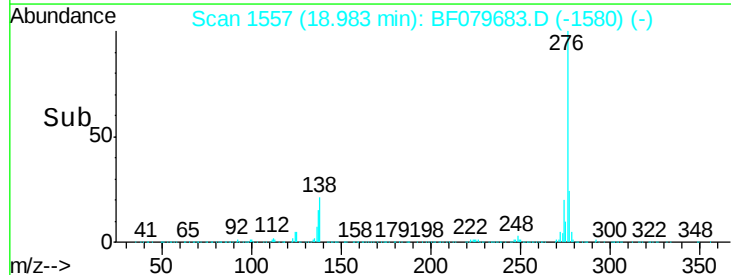
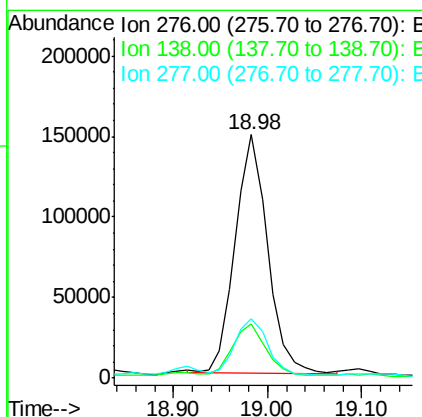
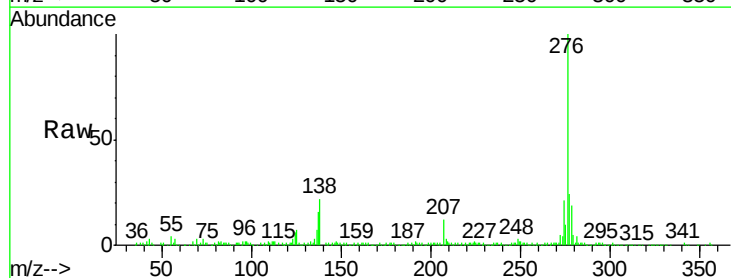
Manual Integrations
 APPROVED

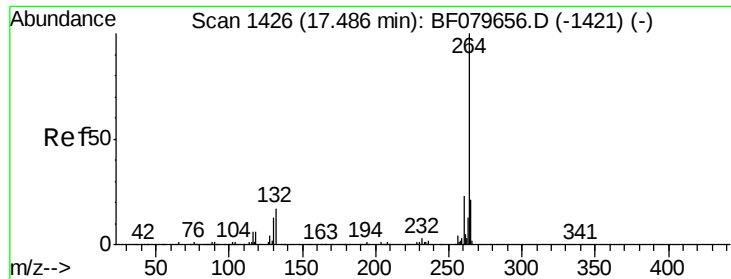
apatel
 6/5/2015 8:09:55 AM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.56 ng m
 RT: 18.98 min Scan# 1557
 Delta R.T. -0.56 min
 Lab File: BF079683.D
 Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.9	32.9
277	24.4	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng m

RT: 16.96 min Scan# 1380

Delta R.T. -0.53 min

Lab File: BF079683.D

Acq: 4 Jun 2015 3:02

Instrument :

BNA_F

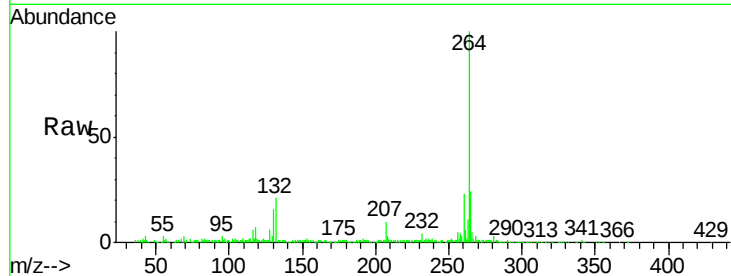
ClientSampled :

SB-16D

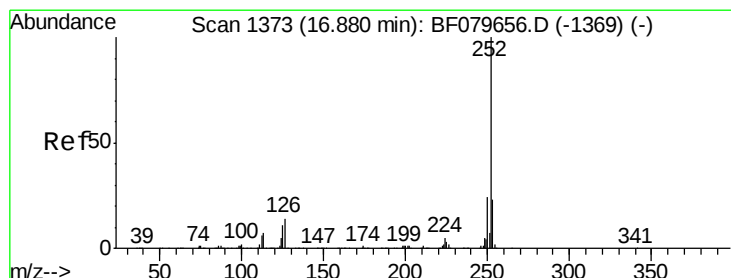
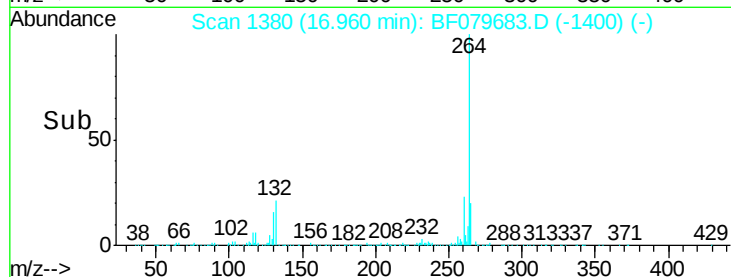
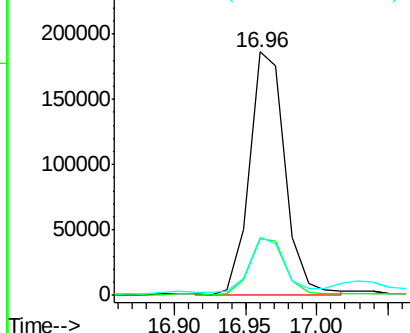
Tot Ion:	264	Resp:	327270
Ion Ratio		Lower	Upper
264	100		
260	23.2	18.8	28.2
265	23.9	17.4	26.0

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



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: 56.01 ng m

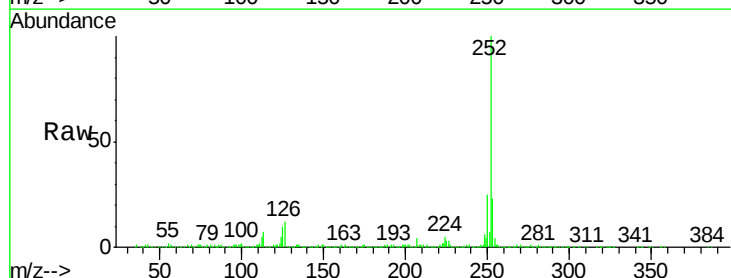
RT: 16.39 min Scan# 1330

Delta R.T. -0.49 min

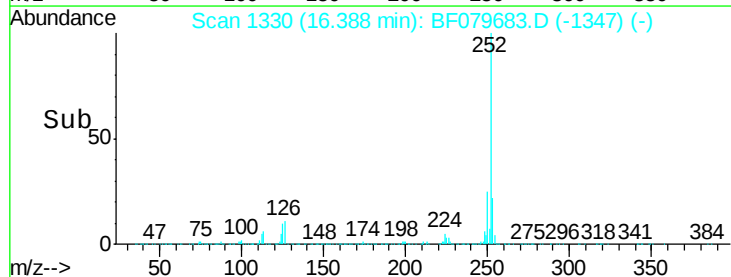
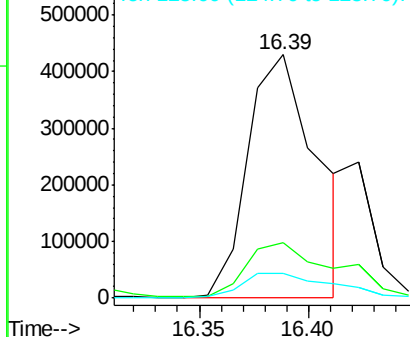
Lab File: BF079683.D

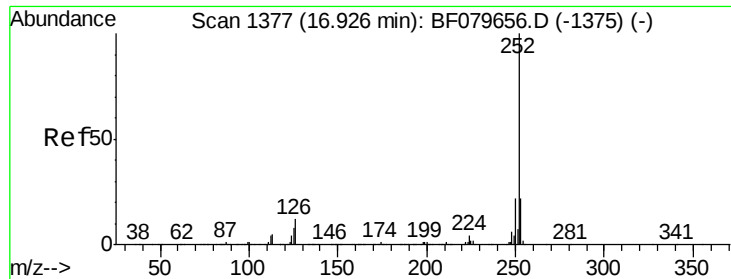
Acq: 4 Jun 2015 3:02

Tgt Ion:	252	Resp:	947298
Ion Ratio		Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.3	8.7	13.1



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





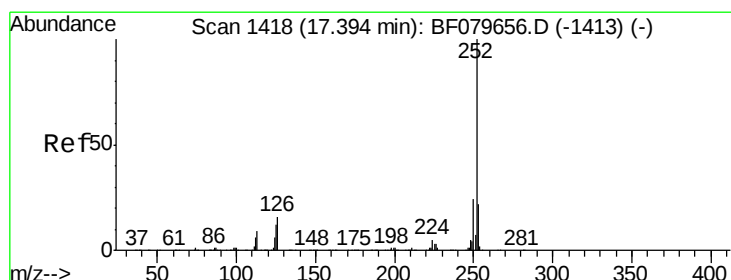
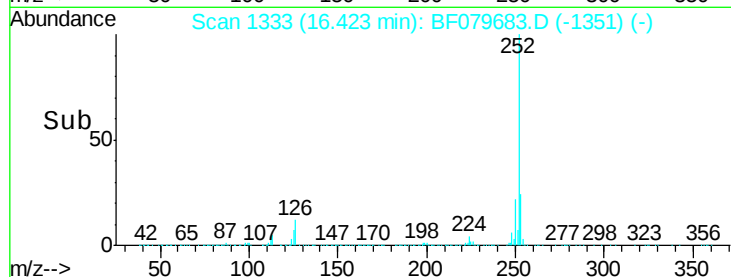
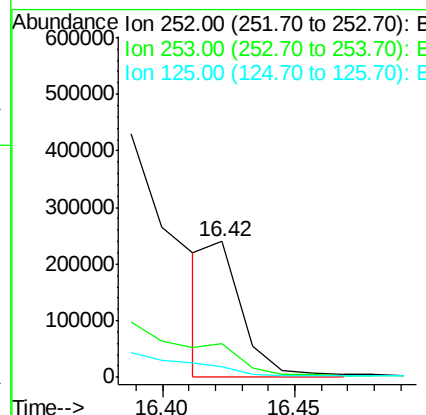
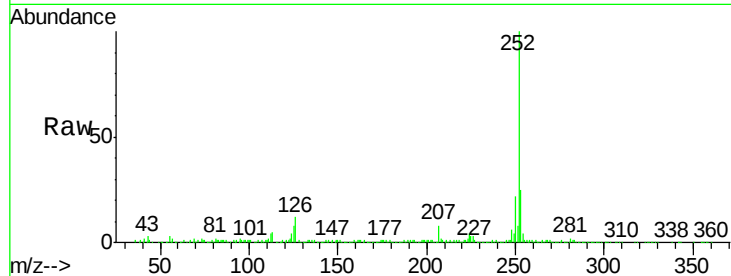
#88
Benzo(k)fluoranthene
Concen: 11.07 ng m
RT: 16.42 min Scan# 1333
Delta R.T. -0.50 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampled :
SB-16D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.2
125	8.0	7.1	10.7

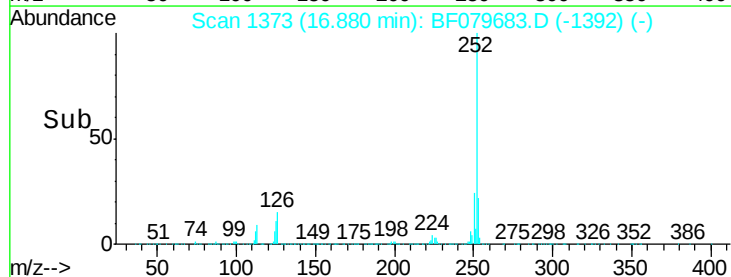
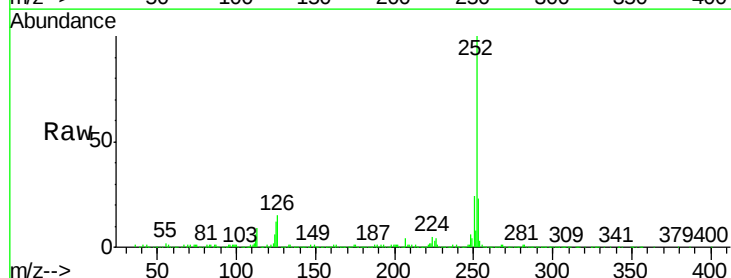
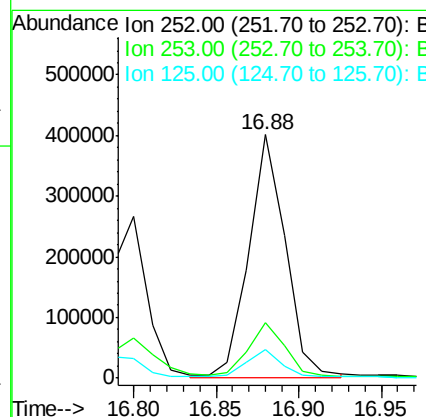
Manual Integrations
APPROVED

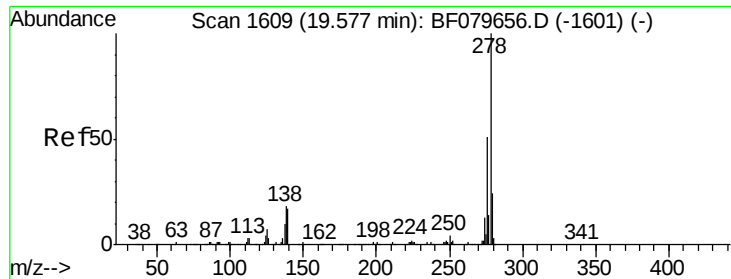
apatel
6/5/2015 8:09:55 AM



#89
Benzo(a)pyrene
Concen: 37.53 ng m
RT: 16.88 min Scan# 1373
Delta R.T. -0.51 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.6	9.4	14.0





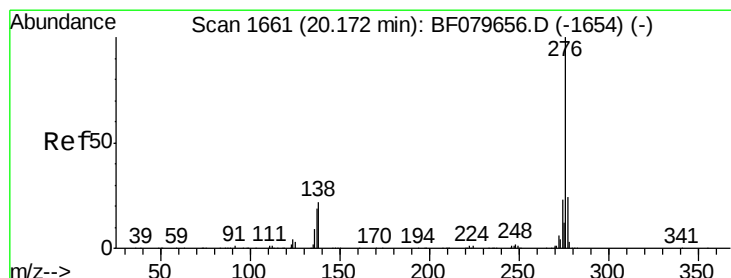
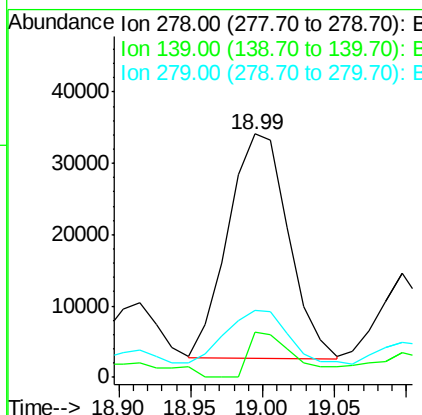
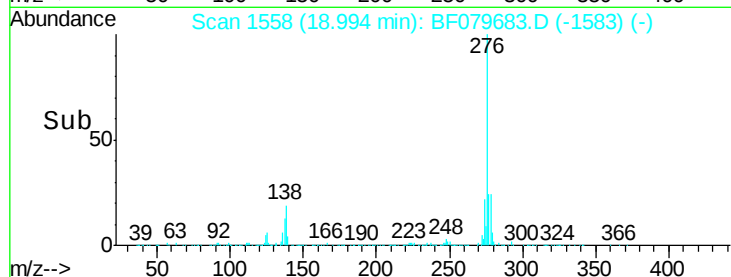
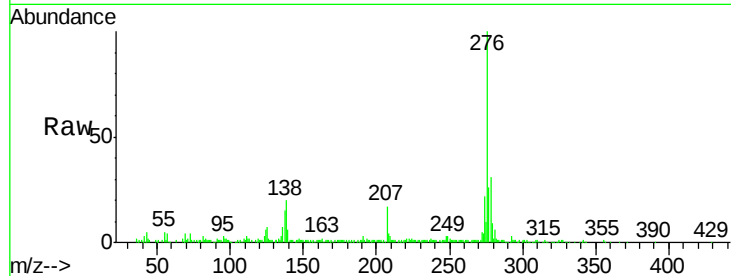
#90
Dibenzo(a,h)anthracene
Concen: 5.93 ng/ml
RT: 18.99 min Scan# 1558
Delta R.T. -0.58 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Instrument :
BNA_F
ClientSampleId :
SB-16D

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.7	20.5
279	27.7	19.6	29.4

Manual Integrations
APPROVED

apatel
6/5/2015 8:09:55 AM



#91
Benzo(g,h,i)perylene
Concen: 21.44 ng/ml
RT: 19.60 min Scan# 1611
Delta R.T. -0.57 min
Lab File: BF079683.D
Acq: 4 Jun 2015 3:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	20.1	17.4	26.0

