

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078665.D
 Acq On : 21 Apr 2015 3:50
 Operator : TP/IZ
 Sample : G1943-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Manual Integrations
 APPROVED

apatel
 4/21/2015 5:03:57 PM

Quant Time: Apr 21 04:44:27 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	27161	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	112154	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	57917	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	112861	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	118406	20.00	ng	-0.01
86) Perylene-d12	19.47	264	116523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	19139m	11.62	ng	0.01
7) Phenol-d6	5.37	99	24743m	11.98	ng	0.01
23) Nitrobenzene-d5	6.80	82	13746	7.43	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4874	10.15	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	33103	8.17	ng	-0.01
78) Terphenyl-d14	16.46	244	39249	7.49	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	13.98	178	20904	3.20	ng	97
74) Fluoranthene	15.86	202	50804	7.38	ng	94
77) Pyrene	16.17	202	50327	6.77	ng	98
80) Benzo(a)anthracene	17.78	228	25649	3.64	ng	99
82) Chrysene	17.83	228	20392	3.08	ng	96
85) Indeno(1,2,3-cd)pyrene	20.63	276	15374	2.05	ng	# 84
87) Benzo(b)fluoranthene	19.06	252	32953m	4.58	ng	
89) Benzo(a)pyrene	19.42	252	20436	3.25	ng	# 93
91) Benzo(g,h,i)perylene	20.95	276	13655	2.16	ng	96

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

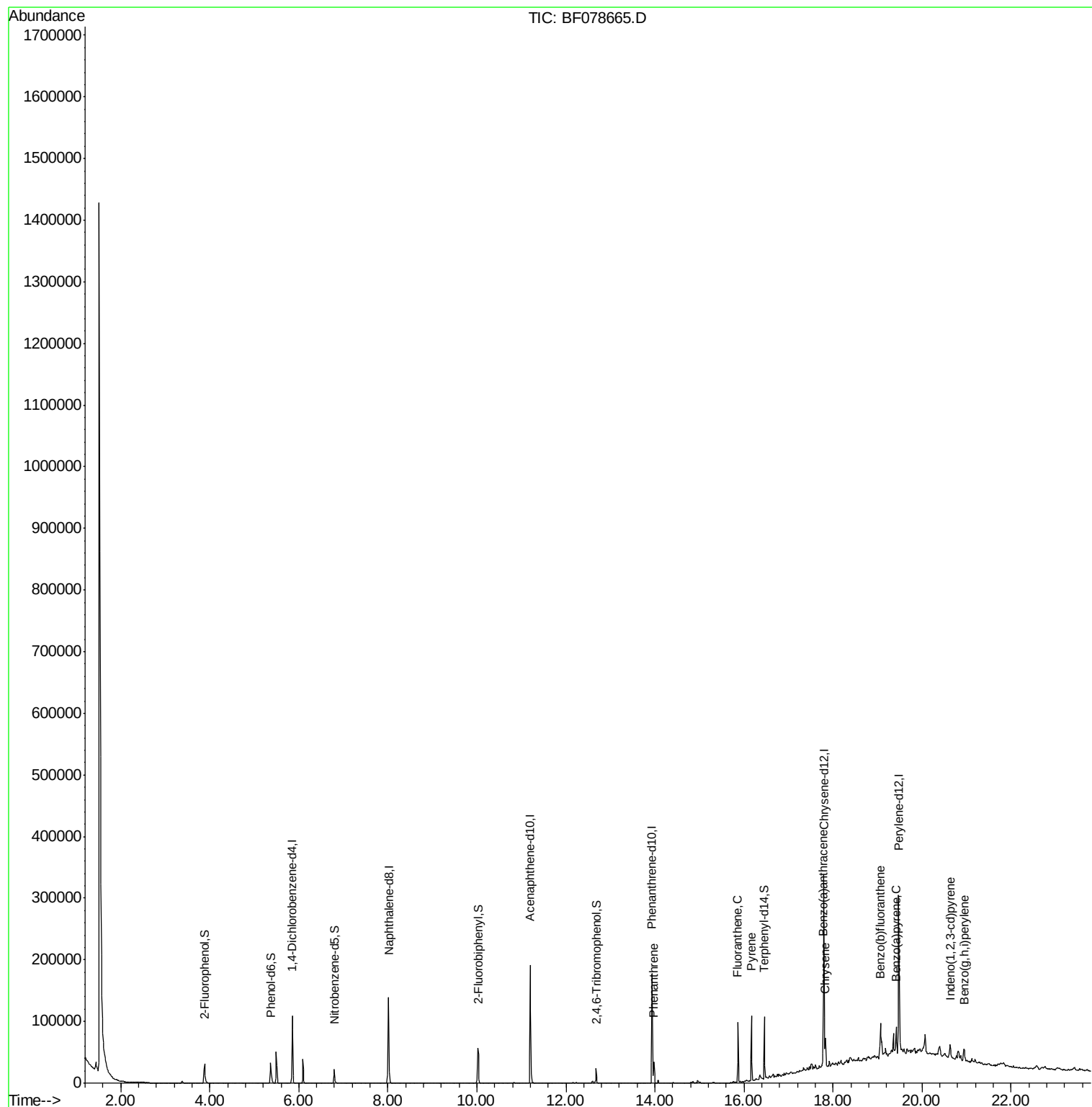
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078665.D
Acq On : 21 Apr 2015 3:50
Operator : TP/IZ
Sample : G1943-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

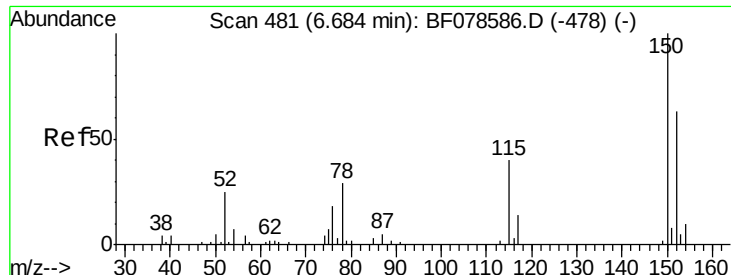
Instrument :
BNA_F
ClientSampleId :
SP-A-1

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM

Quant Time: Apr 21 04:44:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 21 03:43:19 2015
Response via : Initial Calibration





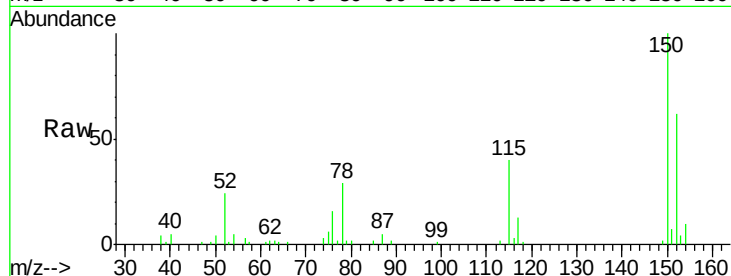
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampled :
 SP-A-1

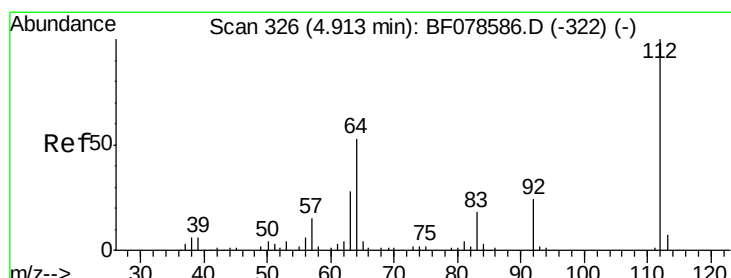
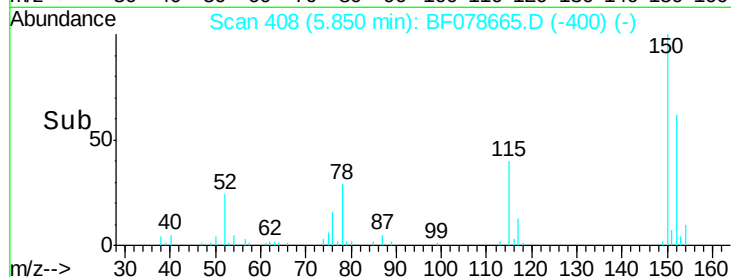
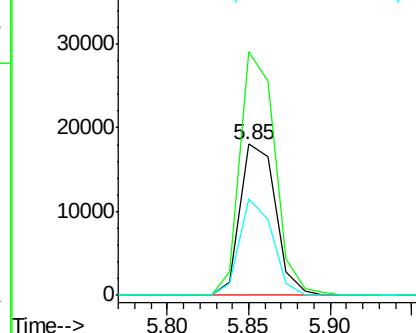
Tot Ion	Ratio	Resp	Lower	Upper
152	100	27161		
150	161.0	125.9	188.9	
115	64.1	52.7	79.1	

Manual Integrations
 APPROVED

apatel
 4/21/2015 5:03:57 PM



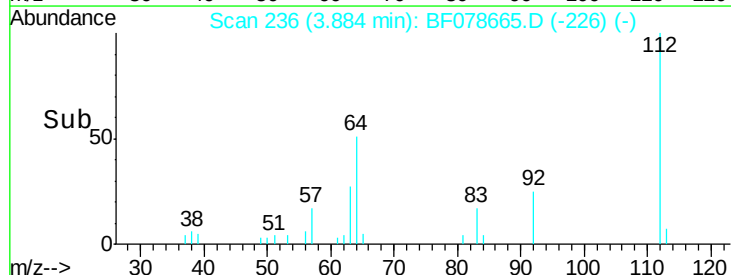
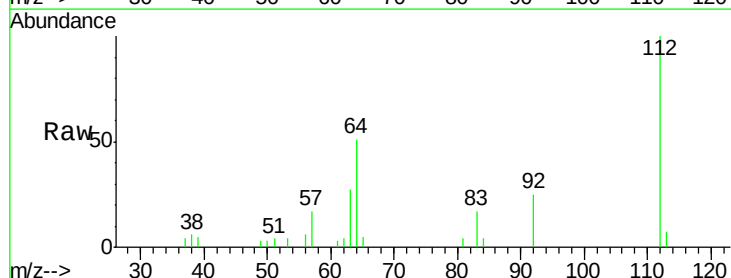
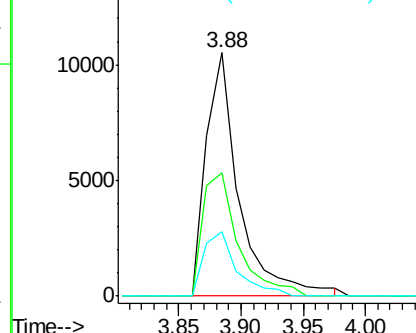
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

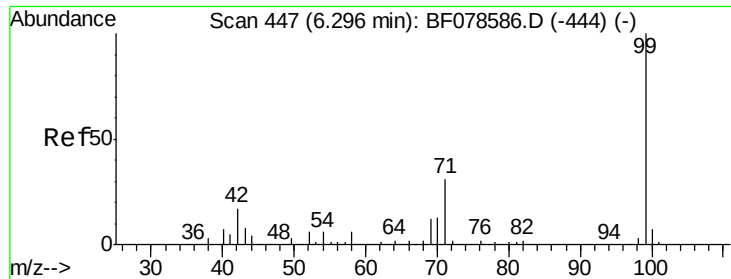


#5
 2-Fluorophenol
 Concen: 11.62 ng m
 RT: 3.88 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	19139		
64	50.7	39.9	59.9	
63	26.6	20.2	30.4	

Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.98 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

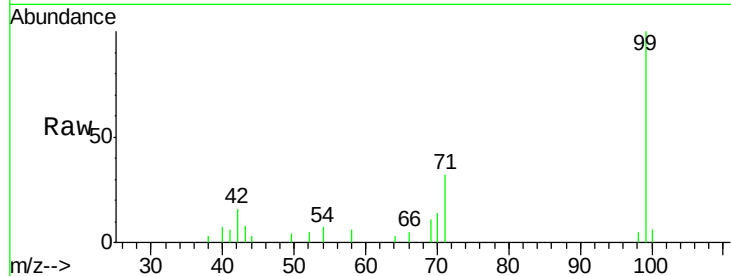
ClientSampled :

SP-A-1

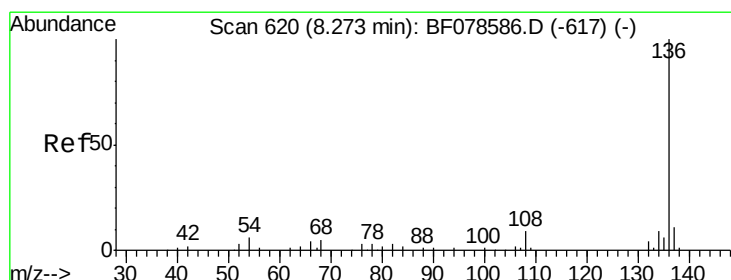
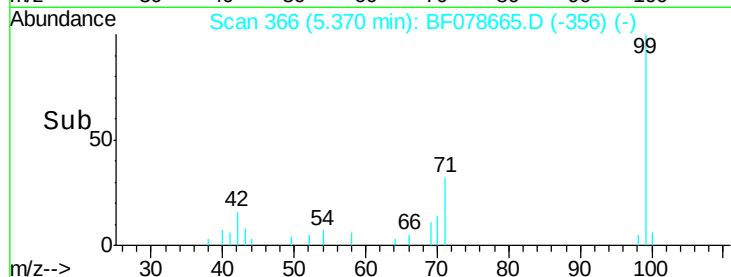
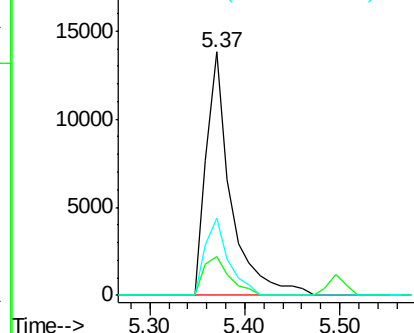
Tot Ion:	99	Resp:	24743
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.8	22.2
71	31.7	26.6	39.8

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng/mL

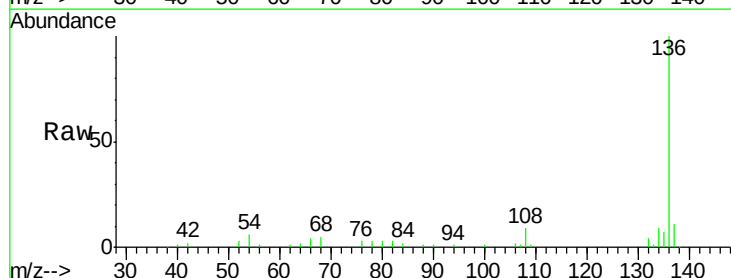
RT: 8.02 min Scan# 598

Delta R.T. -0.00 min

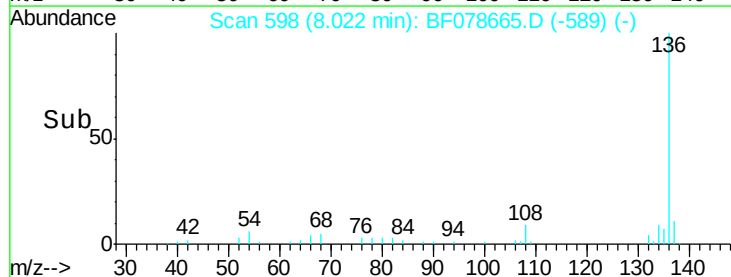
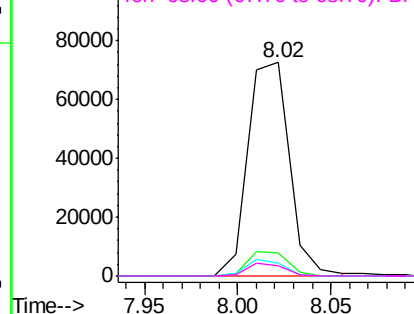
Lab File: BF078665.D

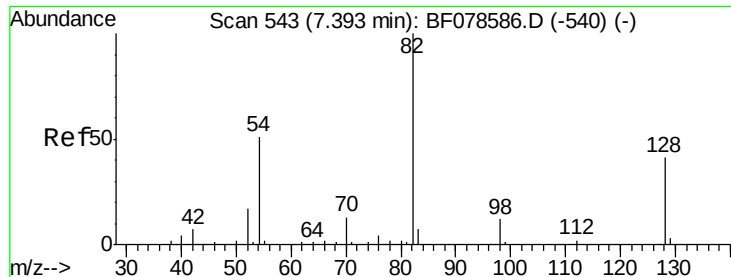
Acq: 21 Apr 2015 3:50

Tgt Ion:	136	Resp:	112154
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	6.2	7.0	10.6#
68	5.0	5.4	8.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 7.43 ng

RT: 6.80 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

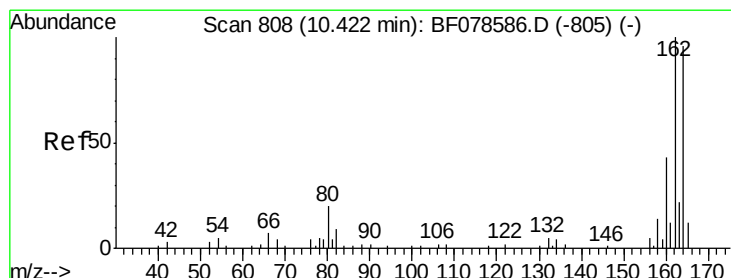
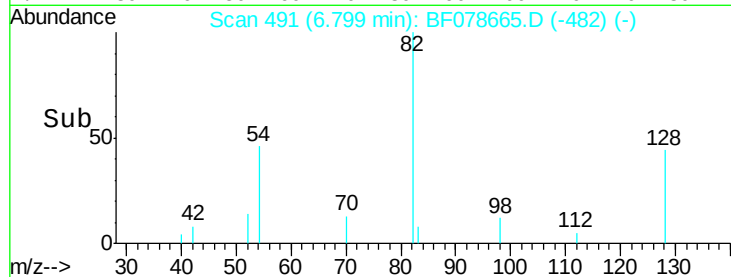
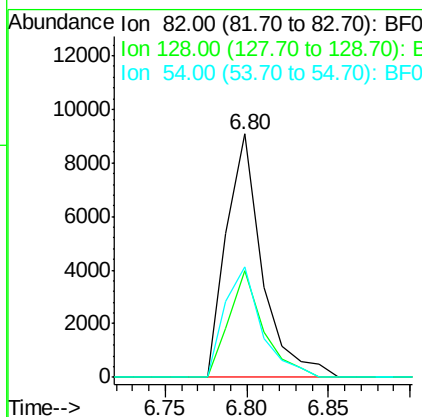
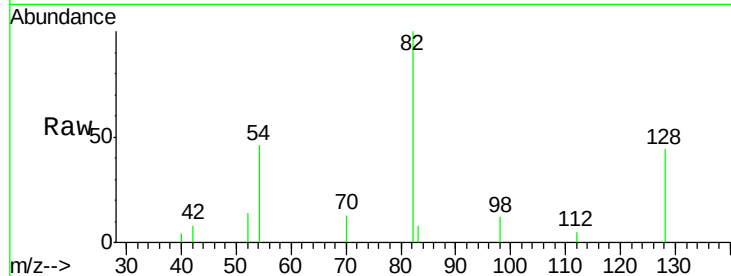
ClientSampleId :

SP-A-1

Tot Ion:	82	Resp:	13746
Ion Ratio	Lower	Upper	
82	100		
128	44.0	31.8	47.8
54	45.6	41.5	62.3

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

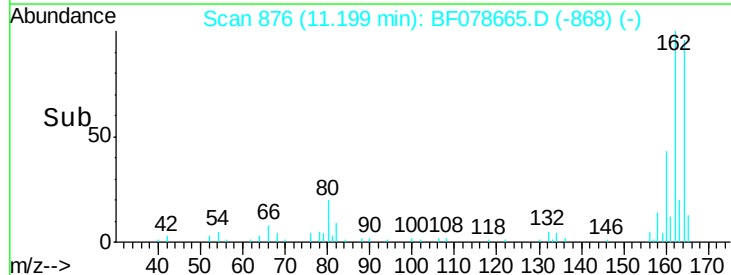
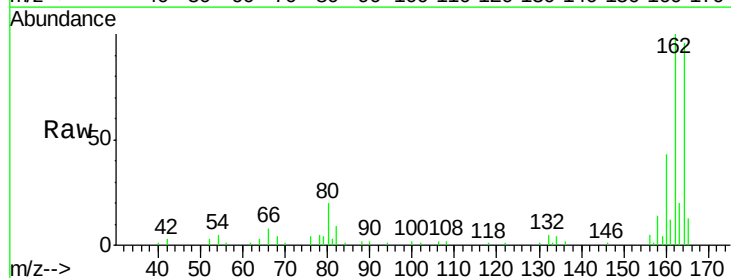
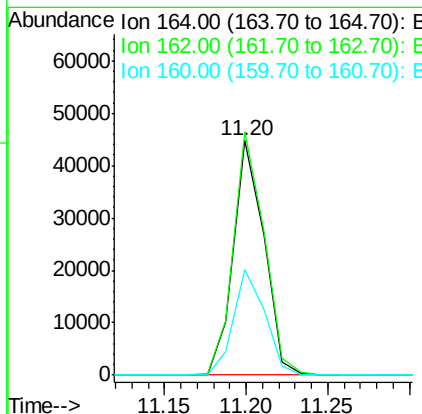
RT: 11.20 min Scan# 876

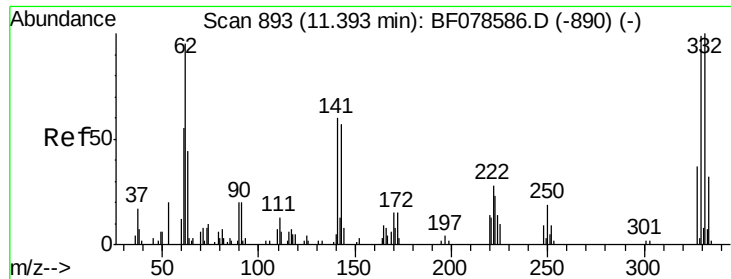
Delta R.T. -0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Tgt Ion:	164	Resp:	57917
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.2	123.2
160	45.2	34.7	52.1





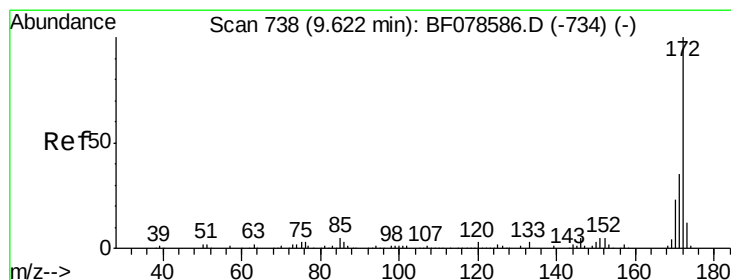
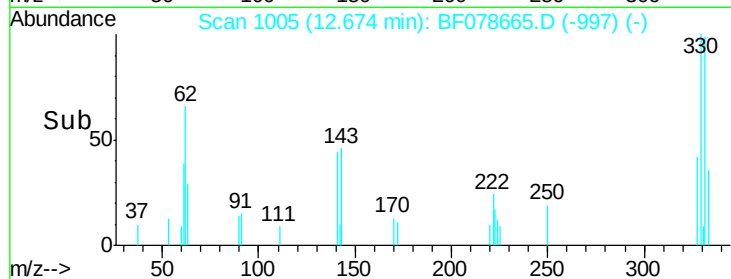
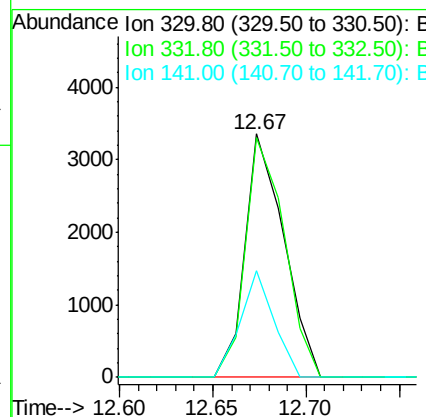
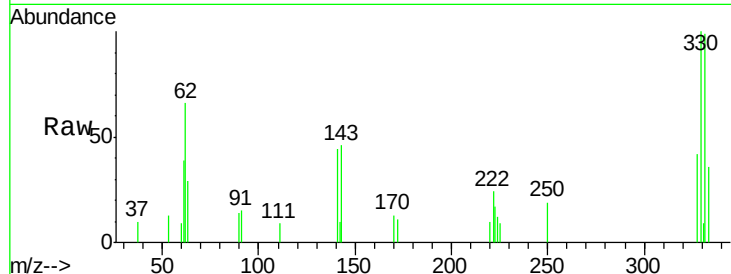
#41
 2,4,6-Tribromophenol
 Concen: 10.15 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	78.6	117.8
141	37.7	31.2	46.8

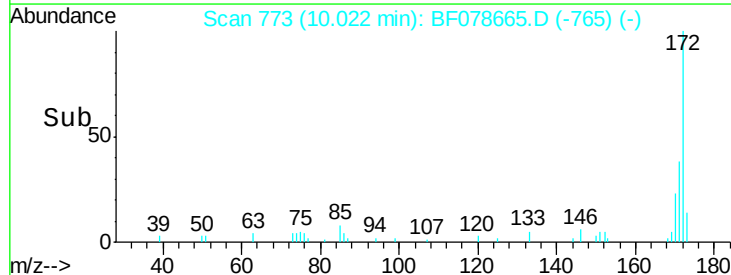
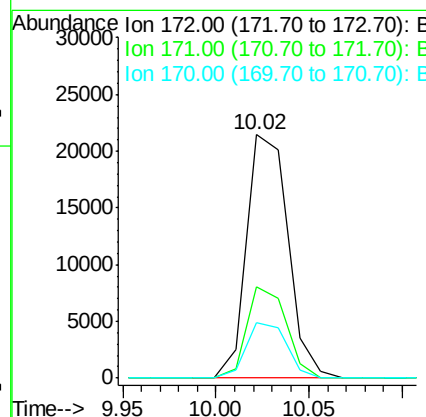
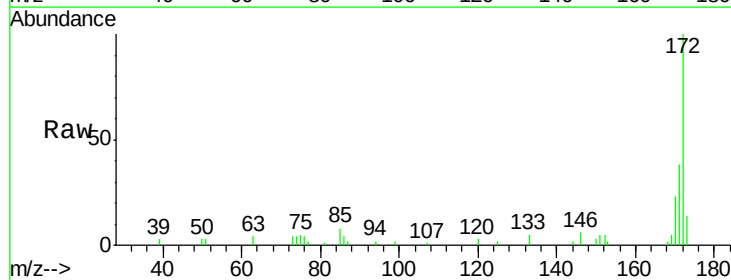
Manual Integrations
 APPROVED

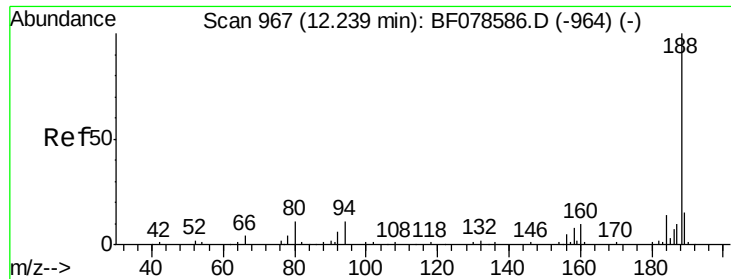
apatel
 4/21/2015 5:03:57 PM



#44
 2-Fluorobiphenyl
 Concen: 8.17 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	23.0	18.5	27.7





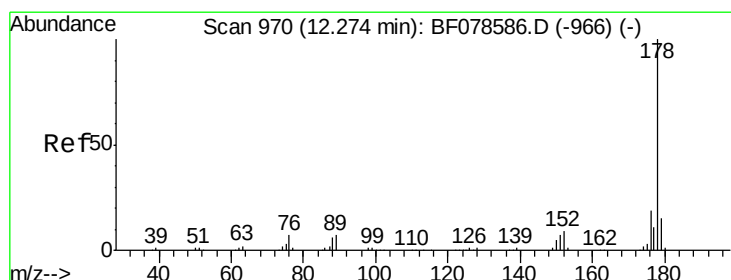
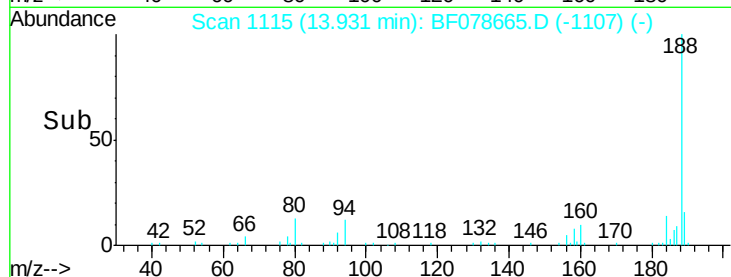
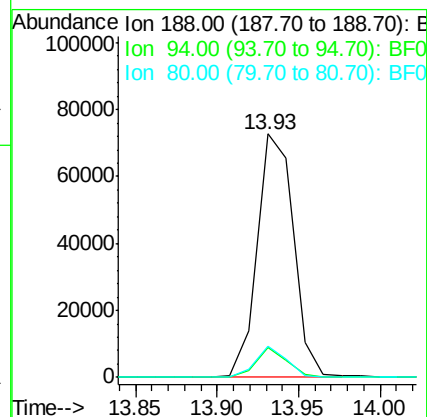
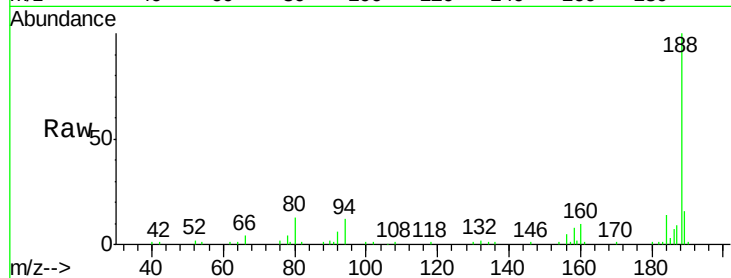
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.93 min Scan# 1115
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampled :
 SP-A-1

Tot Ion	Ion:188	Resp:	112861
Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.0	13.4
80	12.6	9.5	14.3

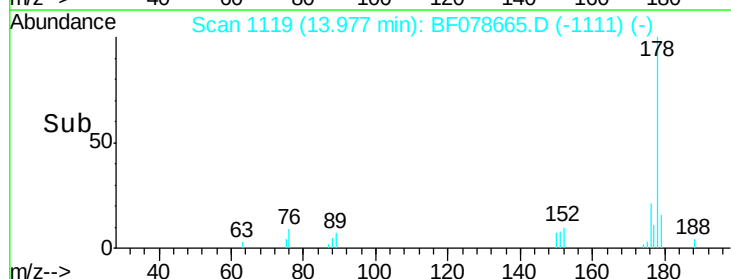
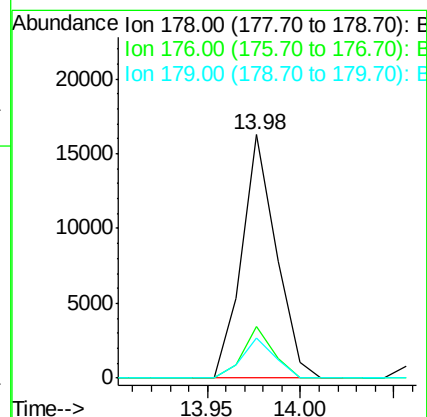
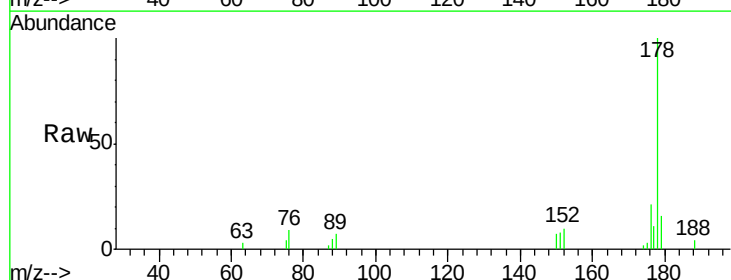
Manual Integrations
 APPROVED

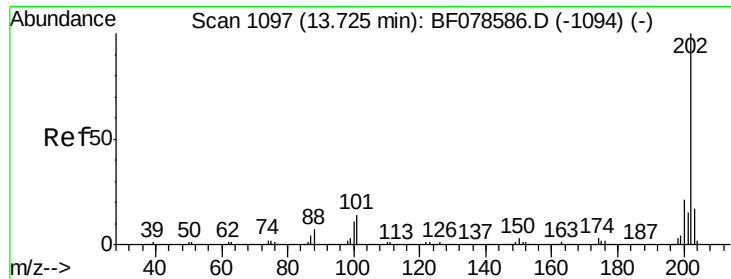
apatel
 4/21/2015 5:03:57 PM



#70
 Phenanthrene
 Concen: 3.20 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Tgt Ion	Ion:178	Resp:	20904
Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.0
179	16.4	12.2	18.2





#74

Fluoranthene

Concen: 7.38 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

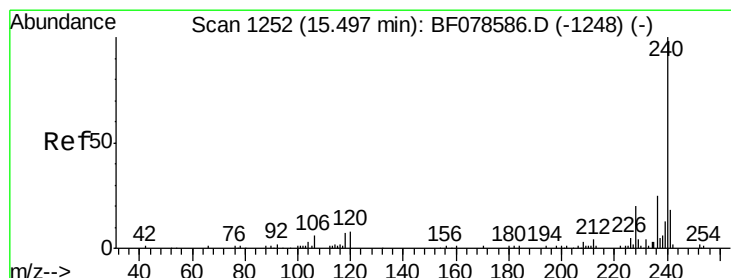
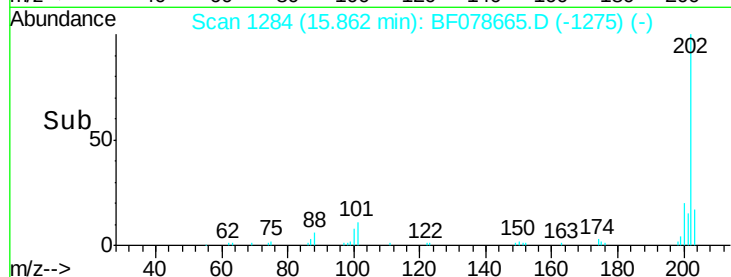
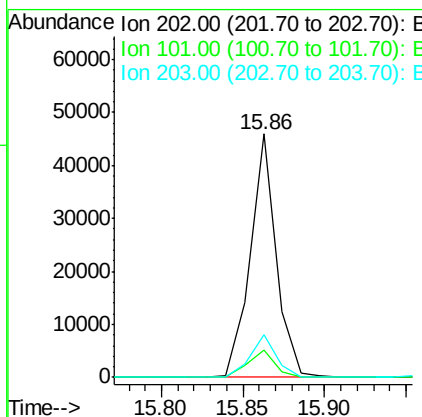
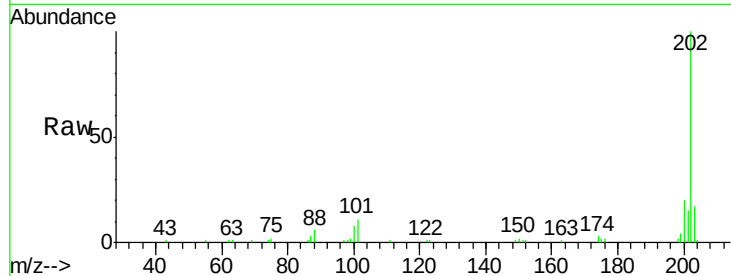
ClientSampleId :

SP-A-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	50804		
101	11.4	0.0	35.2	
203	17.3	0.0	38.5	

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM



#75

Chrysene-d12

Concen: 20.00 ng

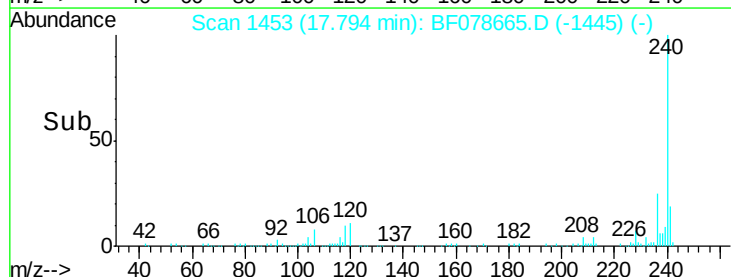
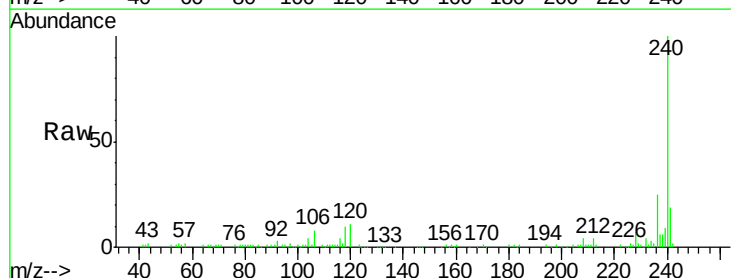
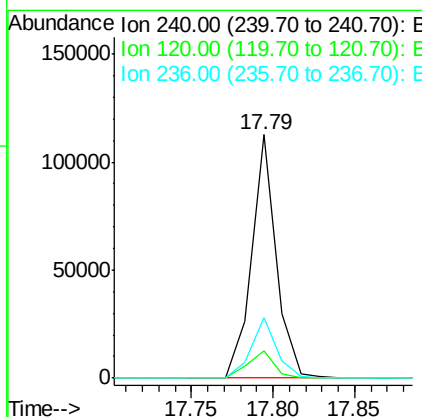
RT: 17.79 min Scan# 1453

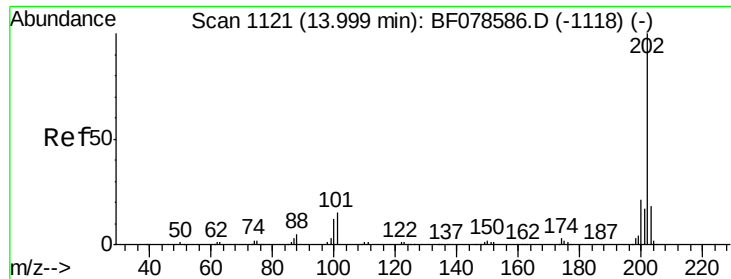
Delta R.T. -0.01 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	118406		
120	11.4	7.1	10.7#	
236	25.1	21.4	32.2	





#77

Pvrene

Concen: 6.77 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

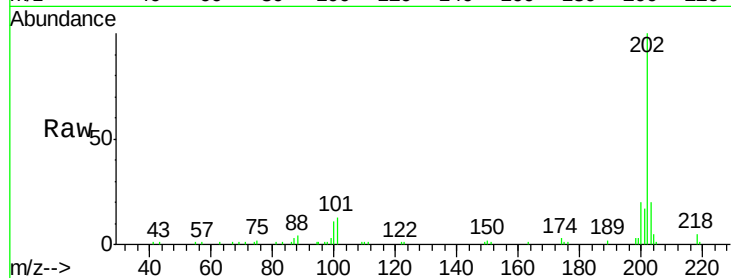
ClientSampleId :

SP-A-1

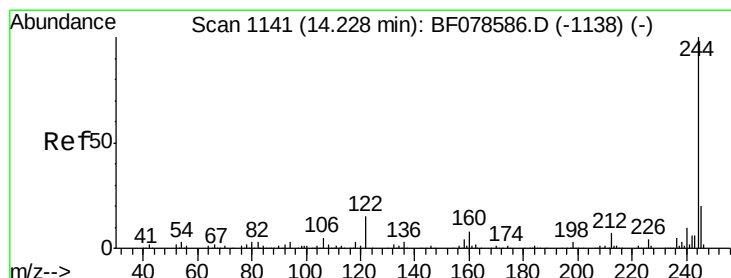
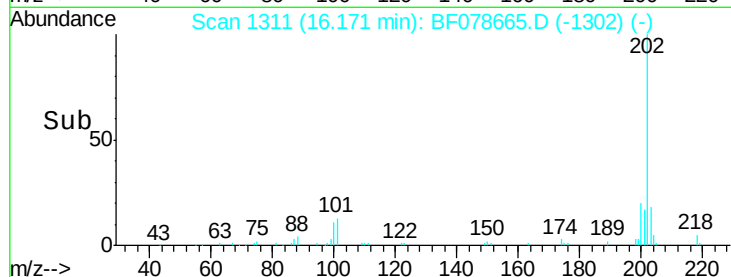
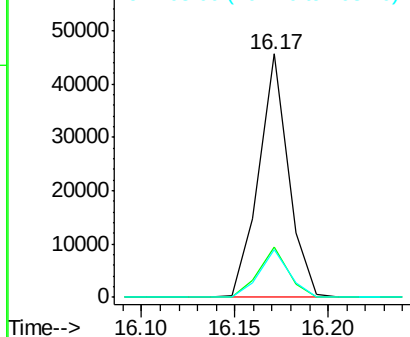
Tot Ion:	202	Resp:	50327
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.3	24.5
203	19.5	13.8	20.6

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM



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: 7.49 ng

RT: 16.46 min Scan# 1336

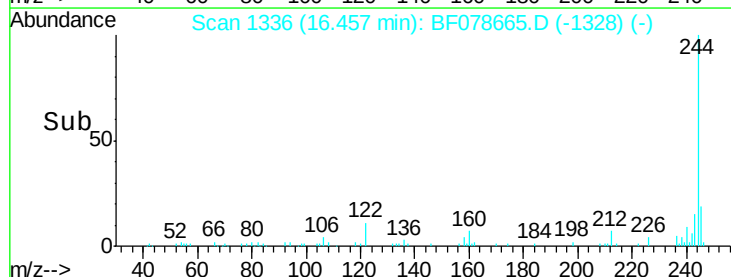
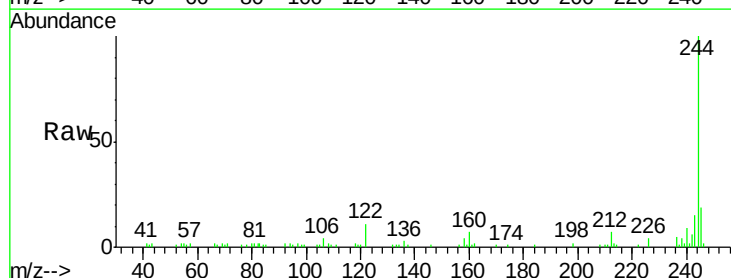
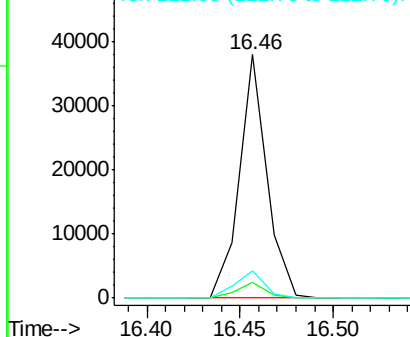
Delta R.T. -0.01 min

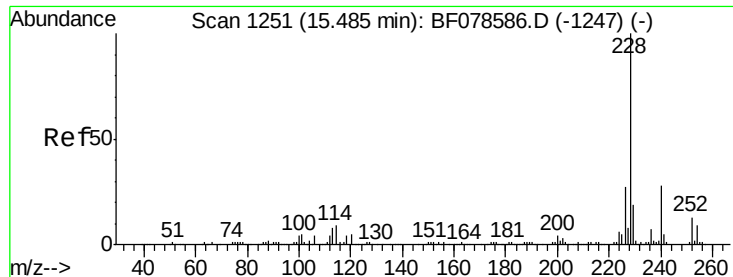
Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Tgt Ion:	244	Resp:	39249
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.0	7.4
122	11.3	7.1	10.7#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





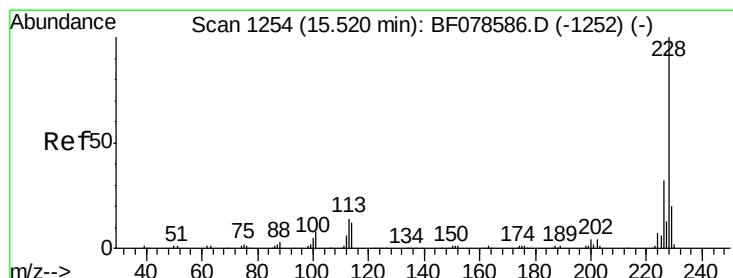
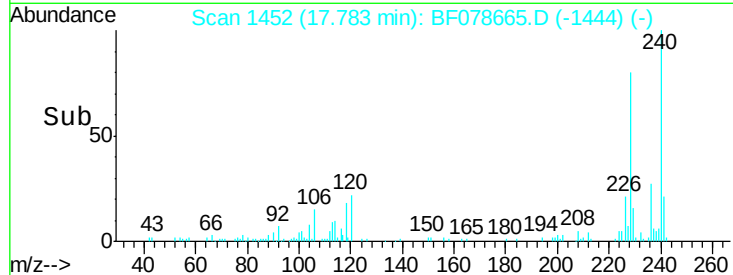
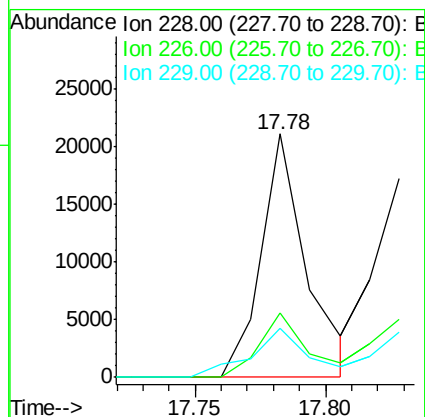
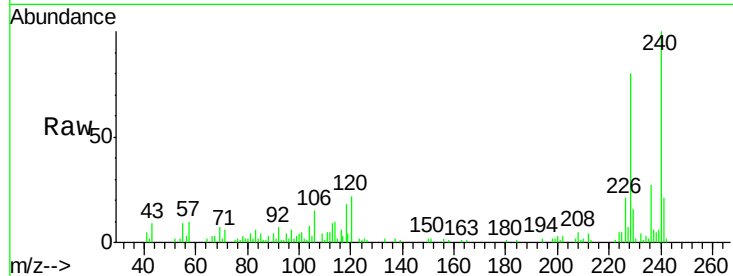
#80
Benzo(a)anthracene
Concen: 3.64 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Instrument :
BNA_F
ClientSampled :
SP-A-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.0	15.4	23.2

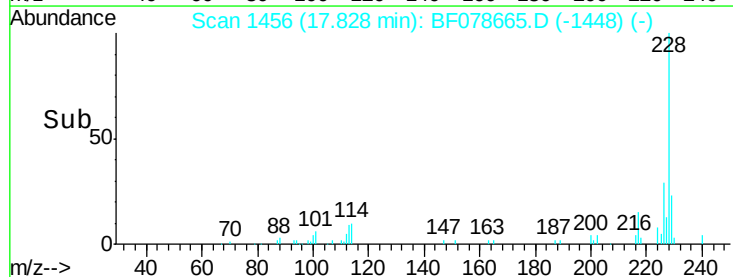
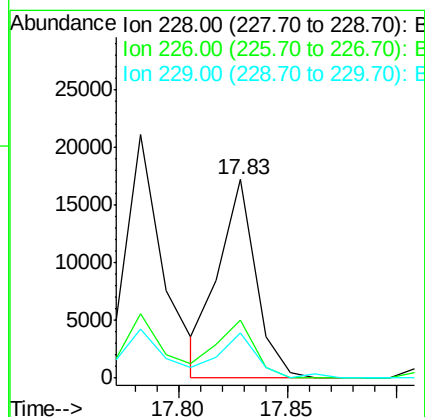
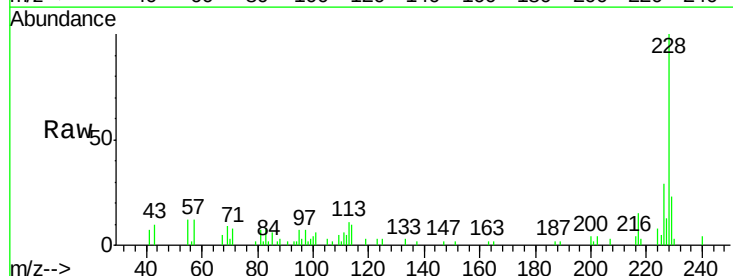
Manual Integrations
APPROVED

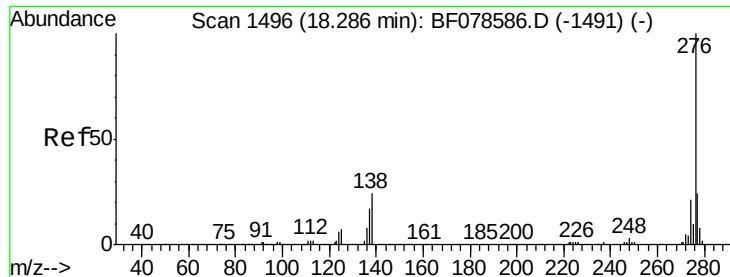
apatel
4/21/2015 5:03:57 PM



#82
Chrysene
Concen: 3.08 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.4
229	22.8	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.05 ng

RT: 20.63 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Instrument :

BNA_F

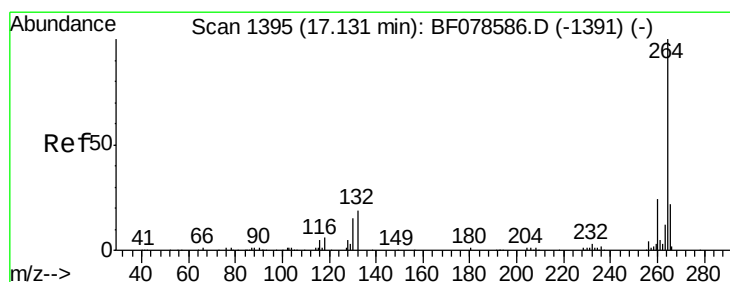
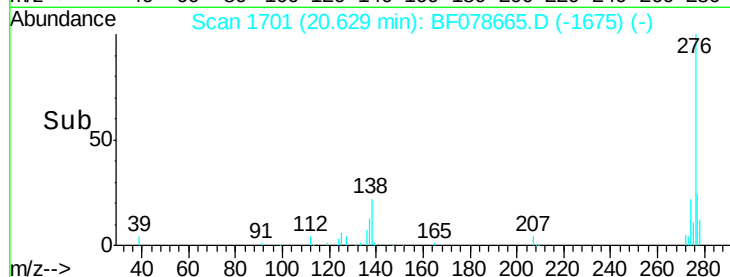
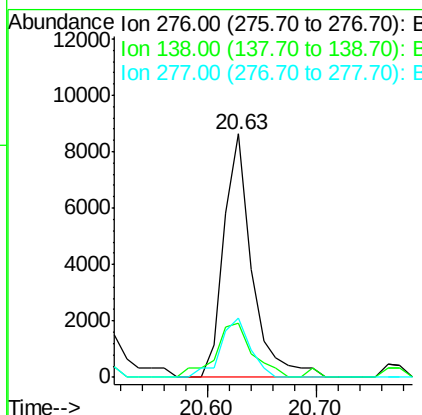
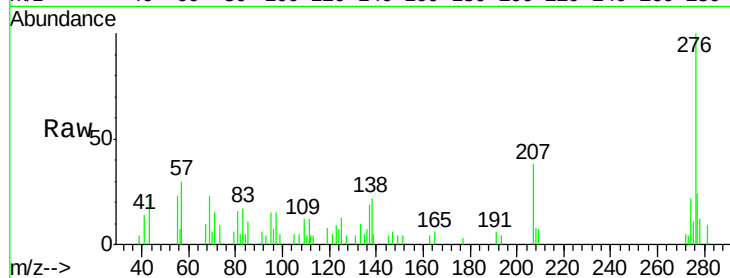
ClientSampleId :

SP-A-1

Tot Ion:	276	Resp:	15374
Ion Ratio	Lower	Upper	
276	100		
138	30.0	16.9	25.3#
277	25.6	15.8	23.6#

Manual Integrations
APPROVED

apatel
4/21/2015 5:03:57 PM



#86

Perylene-d12

Concen: 20.00 ng

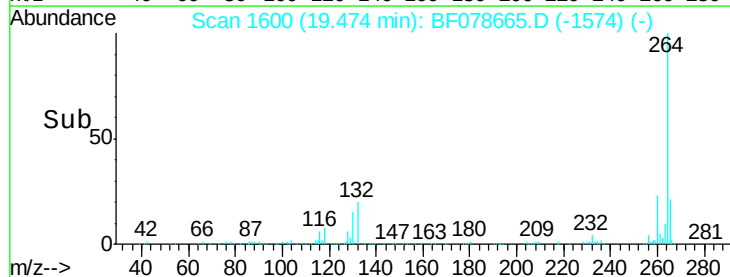
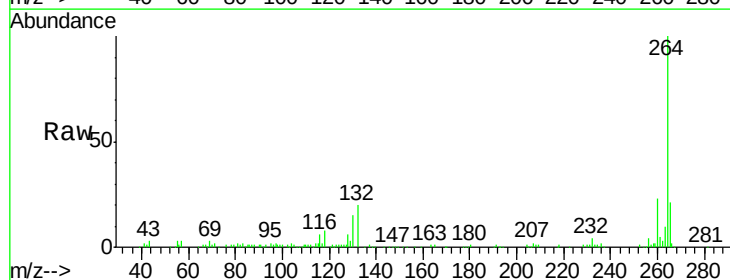
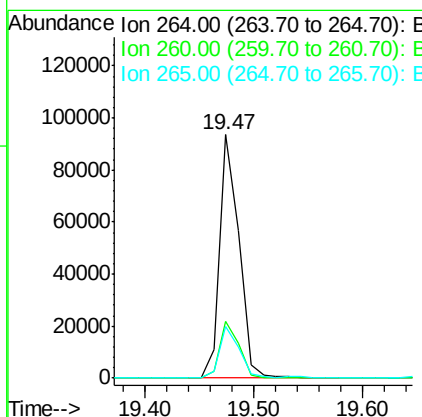
RT: 19.47 min Scan# 1600

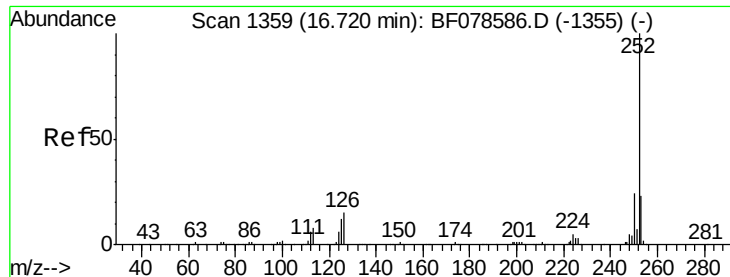
Delta R.T. -0.00 min

Lab File: BF078665.D

Acq: 21 Apr 2015 3:50

Tgt Ion:	264	Resp:	116523
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.6	27.8
265	21.1	17.0	25.6





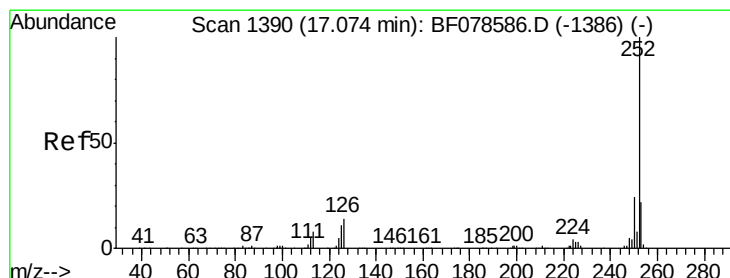
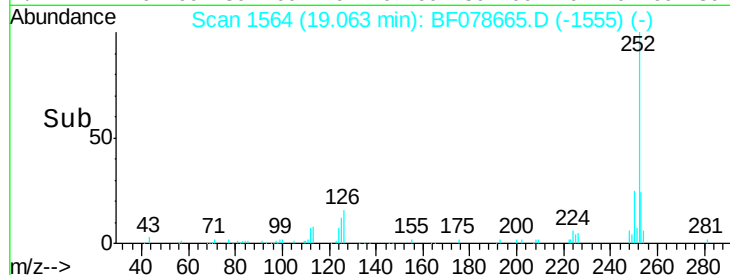
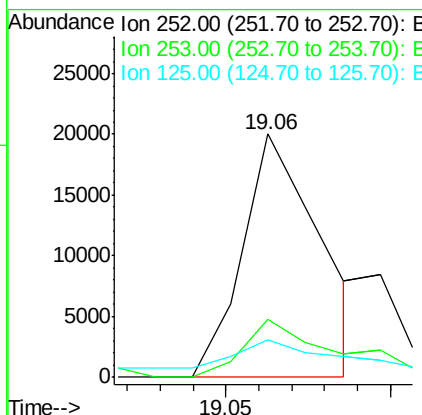
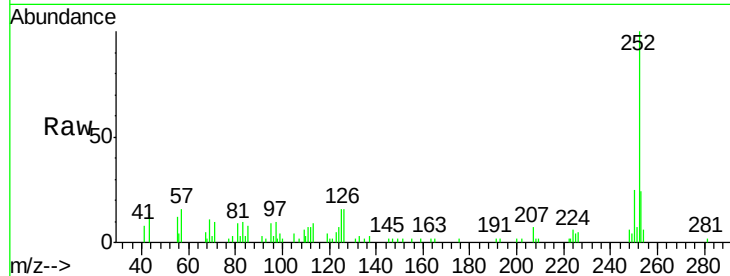
#87
Benzo(b)fluoranthene
Concen: 4.58 ng/mL
RT: 19.06 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Instrument :
BNA_F
ClientSampled :
SP-A-1

Tot Ion:	252	Resp:	32953
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	15.5	7.0	10.4

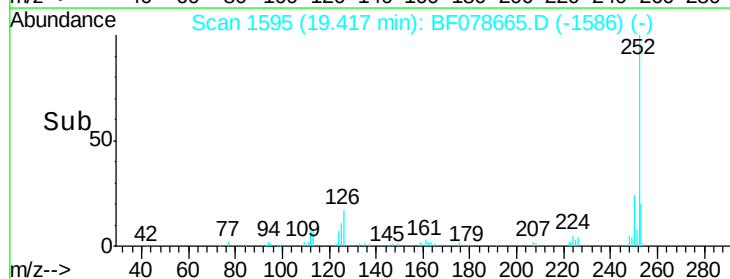
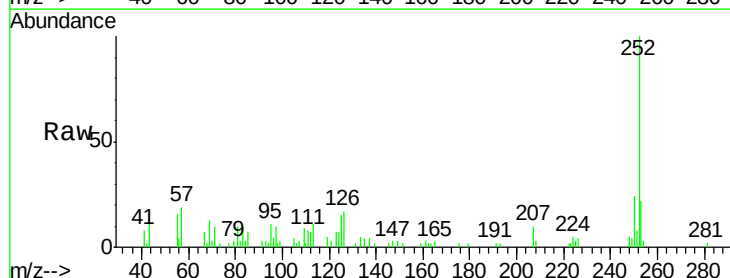
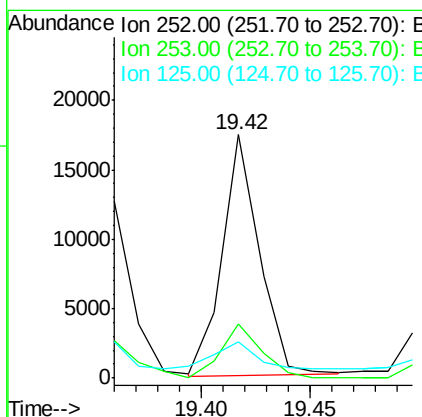
Manual Integrations
APPROVED

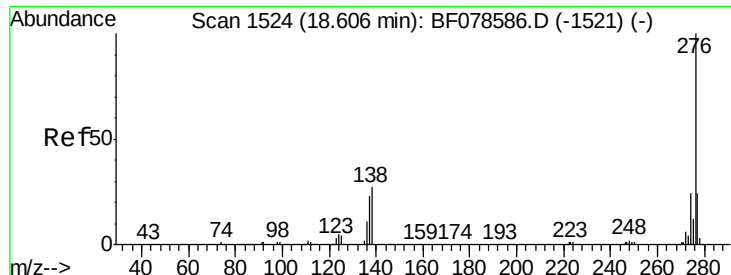
apatel
4/21/2015 5:03:57 PM



#89
Benzo(a)pyrene
Concen: 3.25 ng/mL
RT: 19.42 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF078665.D
Acq: 21 Apr 2015 3:50

Tgt Ion:	252	Resp:	20436
Ion Ratio	Lower	Upper	
252	100		
253	22.3	16.8	25.2
125	14.9	7.4	11.0





#91
 Benzo(a,h,i)perylene
 Concen: 2.16 ng
 RT: 20.95 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BF078665.D
 Acq: 21 Apr 2015 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-1

Tot Ion:	276	Resp:	13655
Ion Ratio		Lower	Upper
276	100		
277	27.0	19.0	28.4
138	24.3	19.9	29.9

Manual Integrations
 APPROVED

apatel
 4/21/2015 5:03:57 PM

