

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017555.D
 Acq On : 9 Jun 2015 2:33
 Operator : TP/IZ
 Sample : G2450-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:56:47 PM

Quant Time: Jun 09 04:38:20 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	20647	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	85819	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	55341	20.00	ng	-0.02
63) Phenanthrene-d10	17.02	188	119494	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	141308	20.00	ng	-0.02
86) Perylene-d12	23.45	264	137439	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	132630	113.17	ng	0.00
7) Phenol-d6	6.81	99	171916	107.68	ng	0.00
23) Nitrobenzene-d5	8.76	82	127756	74.31	ng	-0.01
41) 2,4,6-Tribromophenol	15.77	330	83294	108.36	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	275535	75.11	ng	-0.01
78) Terphenyl-d14	19.66	244	449173	65.70	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.44	128	15146	3.38	ng	# 93
37) 2-Methylnaphthalene	12.07	142	10992	3.19	ng	96
48) Acenaphthylene	13.99	152	15213	2.55	ng	# 80
49) Dimethylphthalate	13.73	163	27584	5.73	ng	98
70) Phenanthrene	17.07	178	28179	4.23	ng	# 90
74) Fluoranthene	19.09	202	122384	14.05	ng	97
77) Pyrene	19.45	202	128243	14.73	ng	96
80) Benzo(a)anthracene	21.20	228	81163	9.34	ng	94
82) Chrysene	21.25	228	94485m	12.01	ng	
85) Indeno(1,2,3-cd)pyrene	25.71	276	60820	6.16	ng	# 93
87) Benzo(b)fluoranthene	22.78	252	147482m	16.93	ng	
88) Benzo(k)fluoranthene	22.81	252	44114m	5.29	ng	
89) Benzo(a)pyrene	23.35	252	79704	9.98	ng	98
90) Dibenzo(a,h)anthracene	25.70	278	19628	2.37	ng	95
91) Benzo(g,h,i)perylene	26.40	276	55284	7.00	ng	96

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

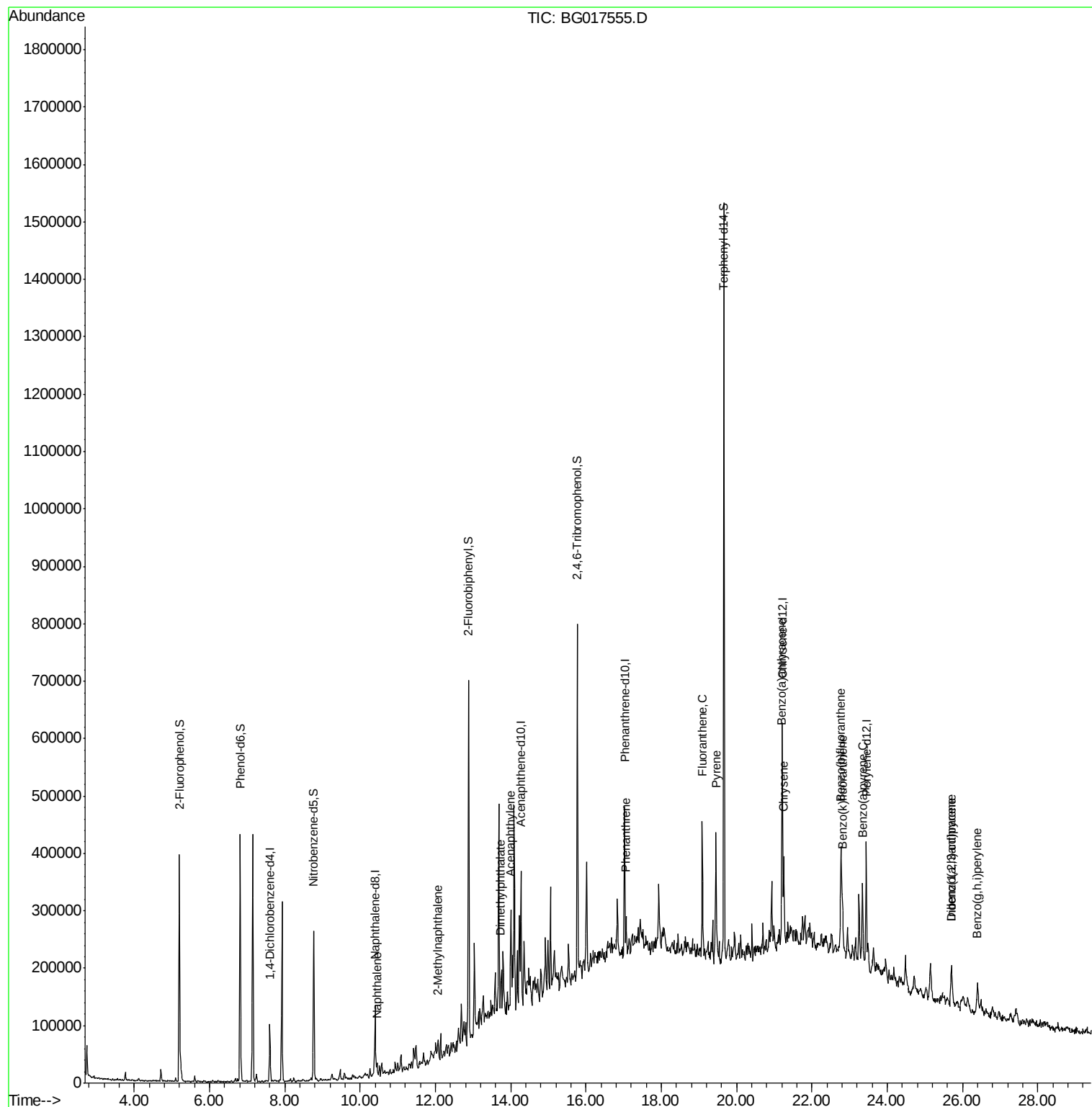
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017555.D
Acq On : 9 Jun 2015 2:33
Operator : TP/IZ
Sample : G2450-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

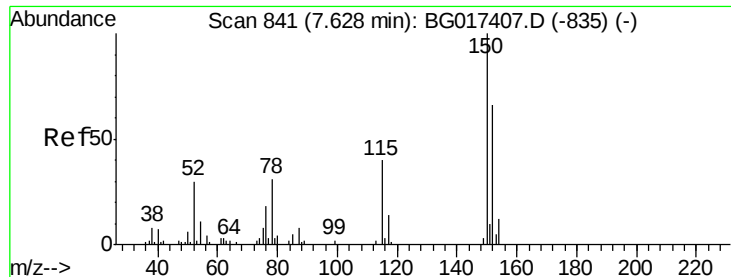
Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM

Quant Time: Jun 09 04:38:20 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.60 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG017555.D

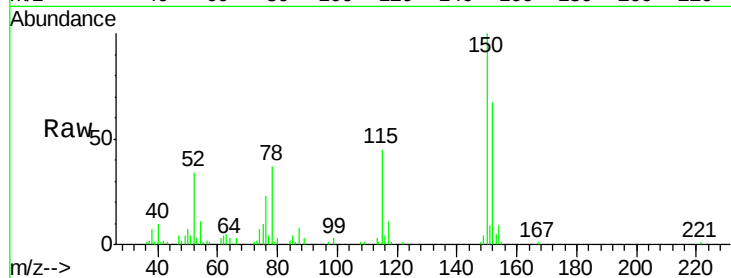
Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

RAMP-P-440SB3.7



Tgt Ion:152 Resp: 20647

Ion Ratio Lower Upper

152 100

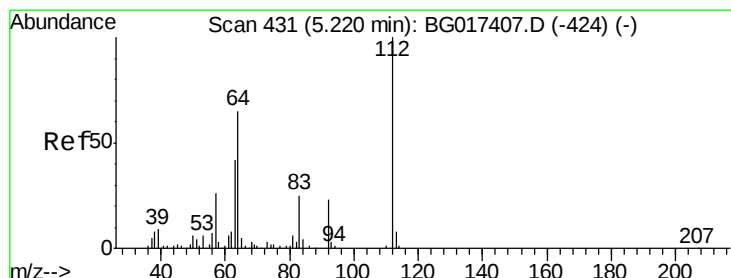
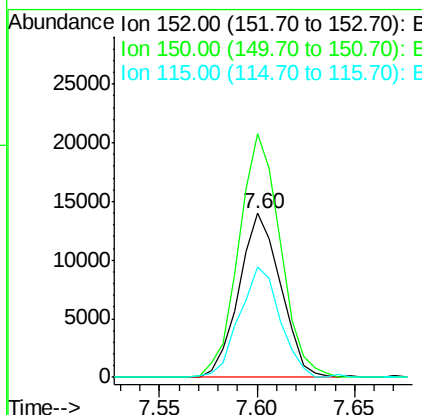
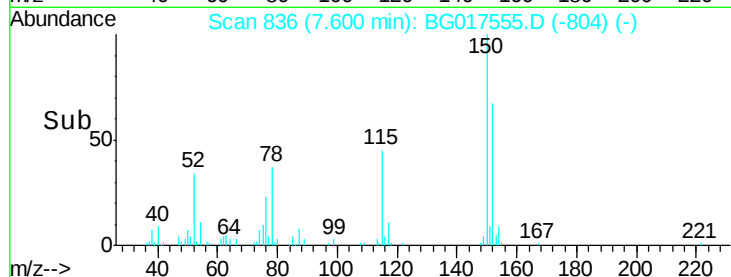
150 148.3 121.7 182.5

115 67.2 48.6 73.0

Manual Integrations
APPROVED

apatel

6/9/2015 3:56:47 PM



#5

2-Fluorophenol

Concen: 113.17 ng

RT: 5.20 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

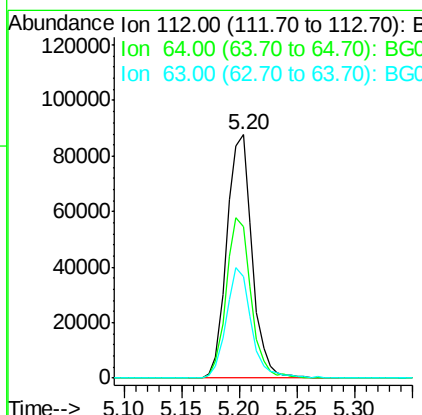
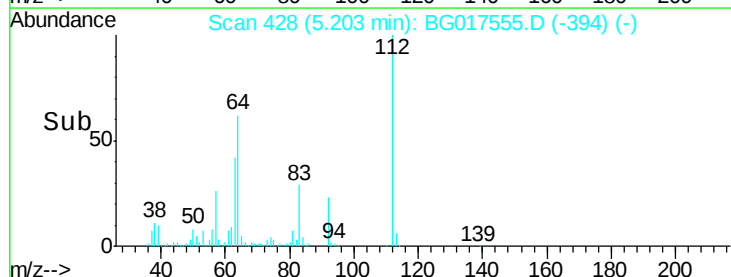
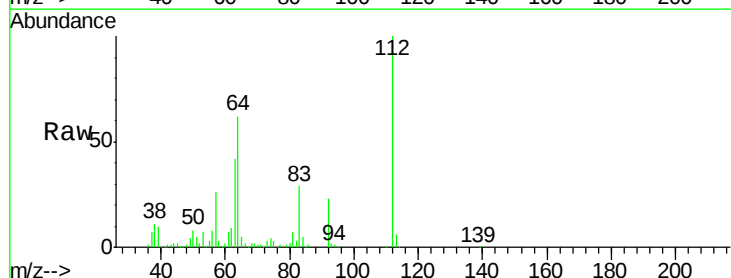
Tgt Ion:112 Resp: 132630

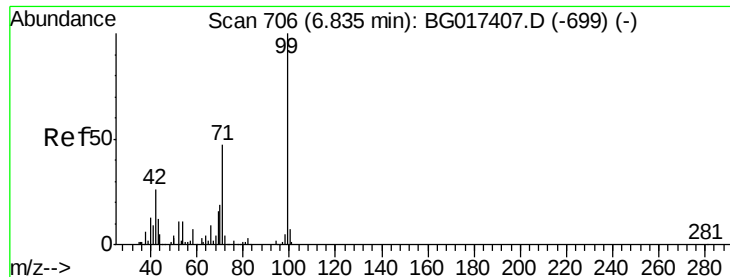
Ion Ratio Lower Upper

112 100

64 62.0 51.6 77.4

63 41.6 33.3 49.9





#7

Phenol-d6

Concen: 107.68 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

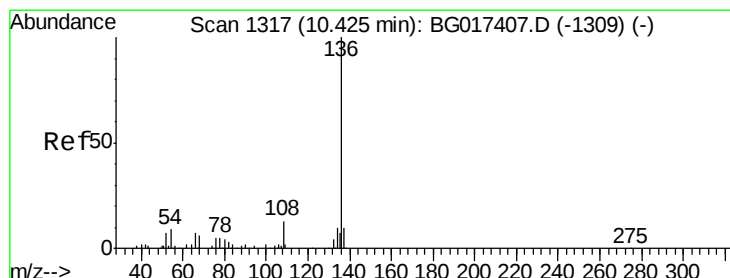
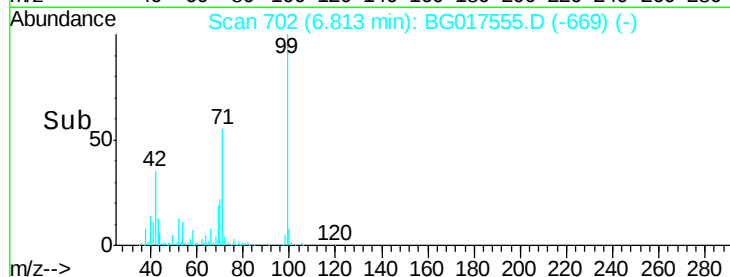
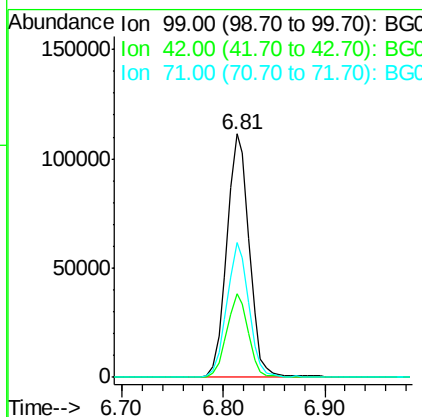
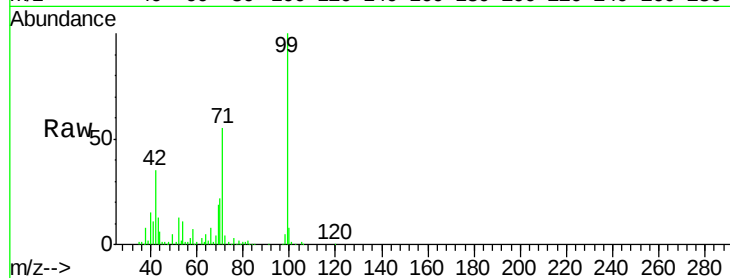
ClientSampleId :

RAMP-P-440SB3.7

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	171916		
42	34.6	21.0	31.6#	
71	55.4	37.2	55.8	

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#21

Naphthalene-d8

Concen: 20.00 ng

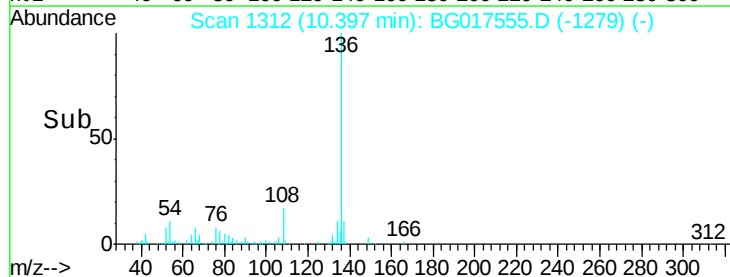
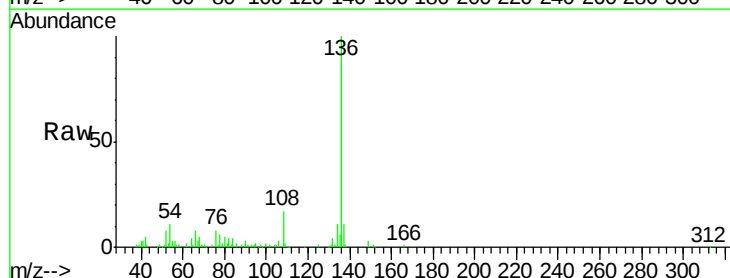
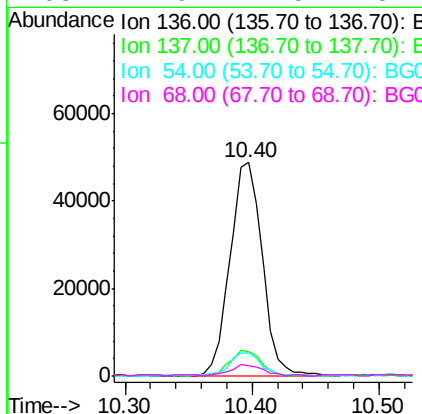
RT: 10.40 min Scan# 1312

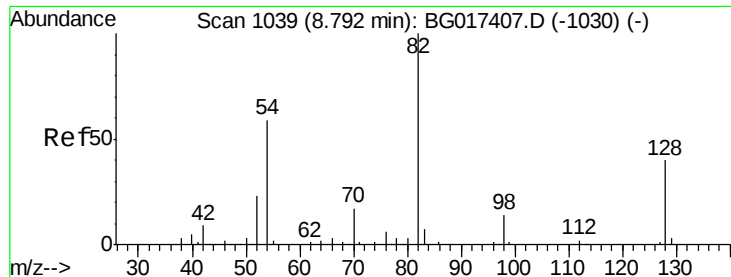
Delta R.T. -0.01 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	85819		
137	11.3	7.9	11.9	
54	10.7	7.2	10.8	
68	4.9	4.5	6.7	





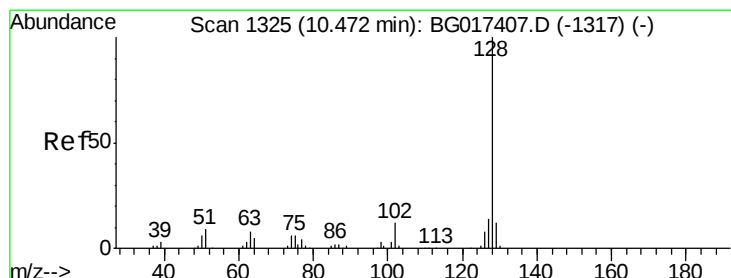
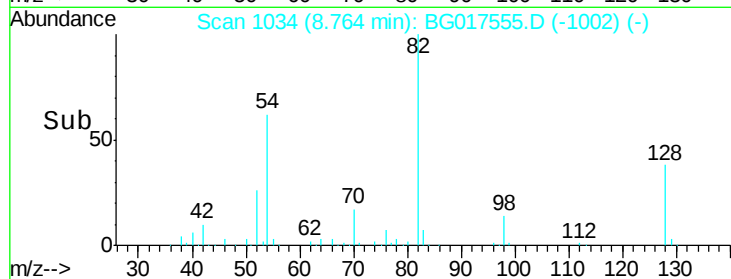
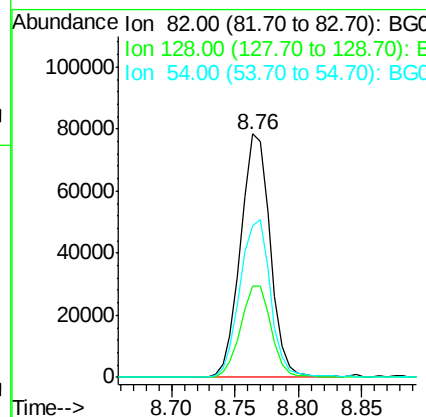
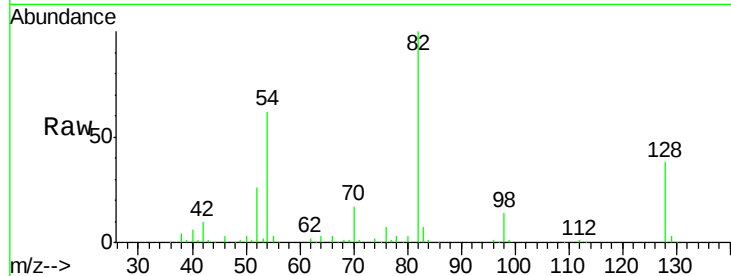
#23
 Nitrobenzene-d5
 Concen: 74.31 ng
 RT: 8.76 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	37.7	32.2	48.4
54	62.1	47.4	71.2

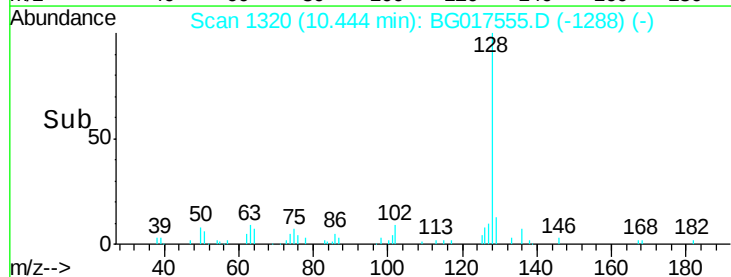
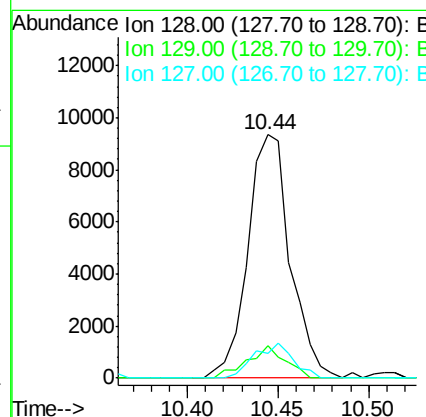
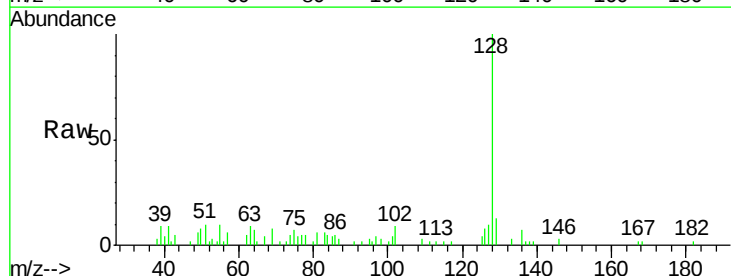
Manual Integrations
 APPROVED

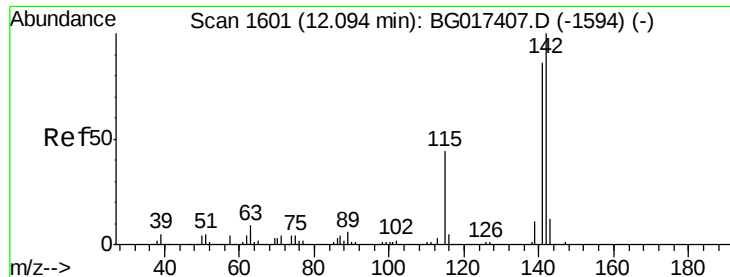
apatel
 6/9/2015 3:56:47 PM



#31
 Naphthalene
 Concen: 3.38 ng
 RT: 10.44 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	13.4	9.2	13.8
127	10.0	10.9	16.3#





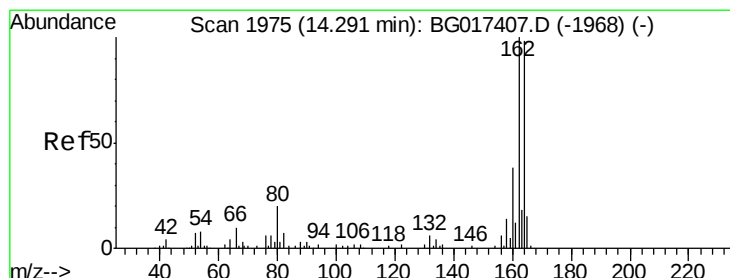
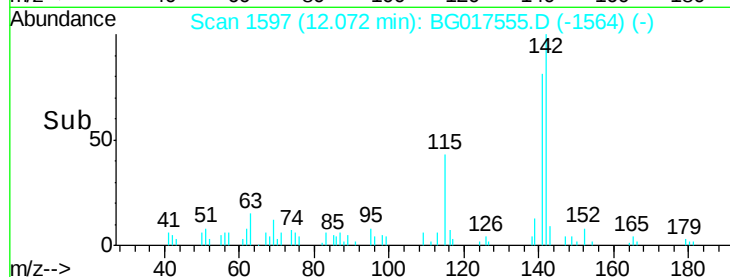
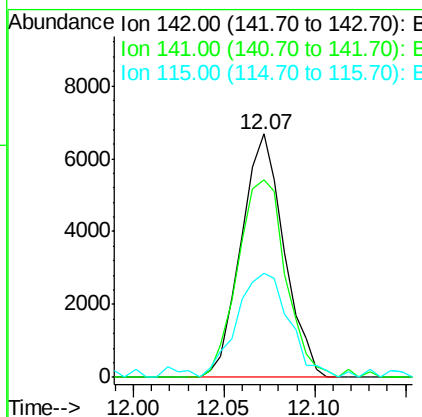
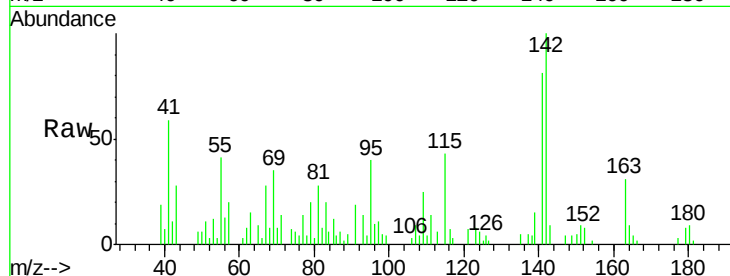
#37
2-Methylnaphthalene
Concen: 3.19 ng
RT: 12.07 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	10992		
141	81.4	68.6	102.8	
115	42.9	35.3	52.9	

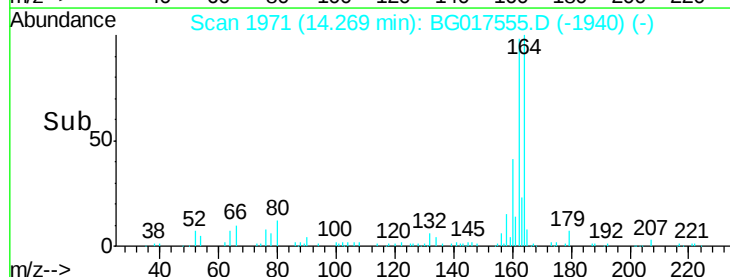
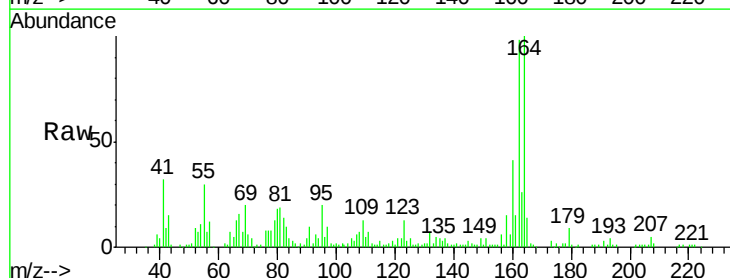
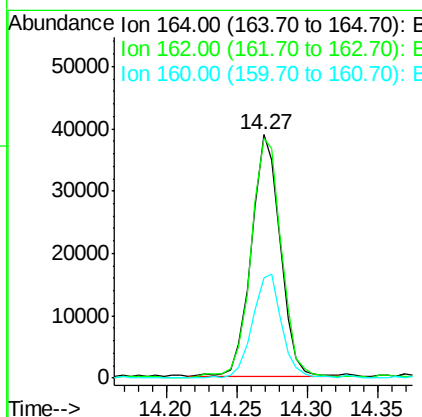
Manual Integrations
APPROVED

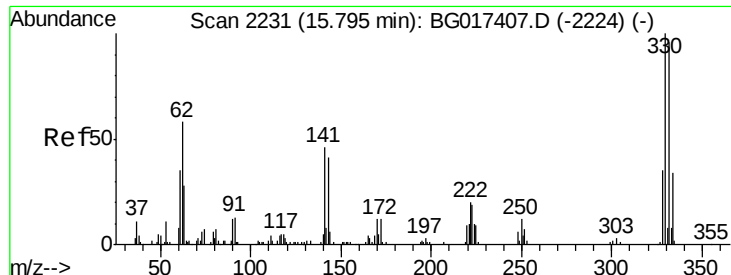
apatel
6/9/2015 3:56:47 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1971
Delta R.T. -0.02 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55341		
162	98.3	81.8	122.6	
160	41.0	31.0	46.4	





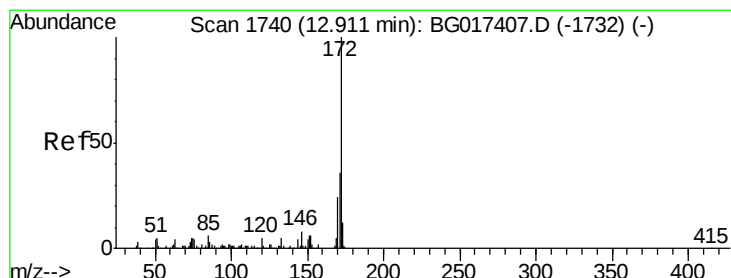
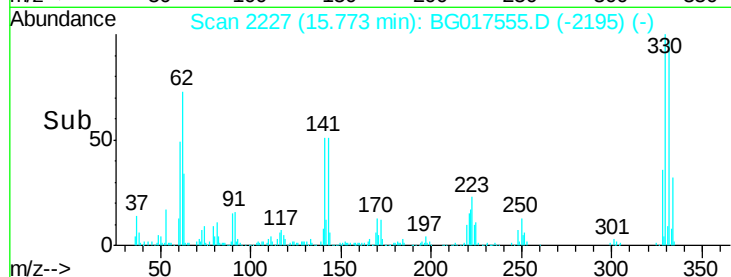
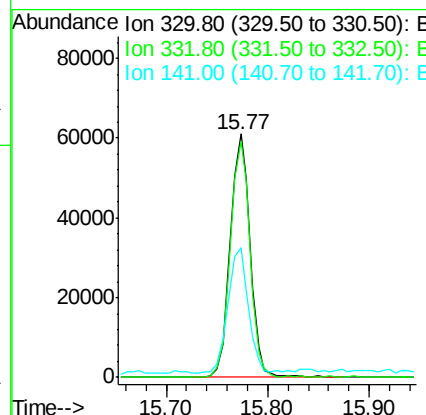
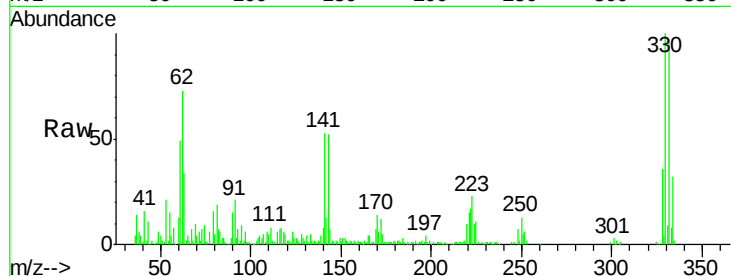
#41
 2,4,6-Tribromophenol
 Concen: 108.36 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	83294		
332	95.6	75.9	113.9	
141	53.5	40.2	60.4	

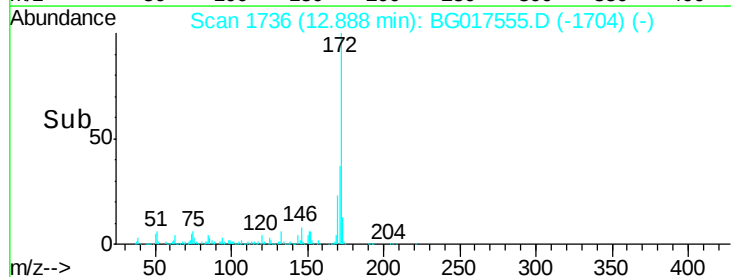
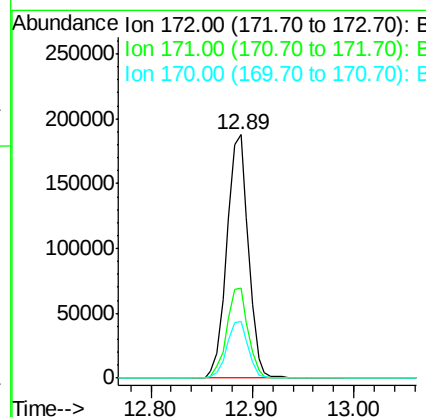
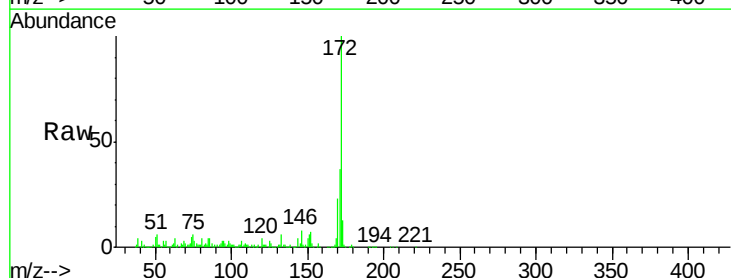
Manual Integrations
 APPROVED

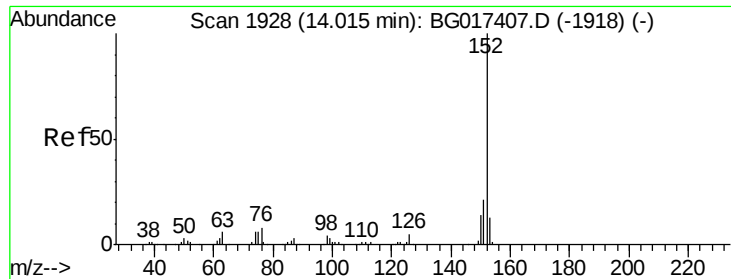
apatel
 6/9/2015 3:56:47 PM



#44
 2-Fluorobiphenyl
 Concen: 75.11 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	275535		
171	36.9	29.0	43.6	
170	23.2	18.9	28.3	





#48

Acenaphthylene

Concen: 2.55 ng

RT: 13.99 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BG017555.D

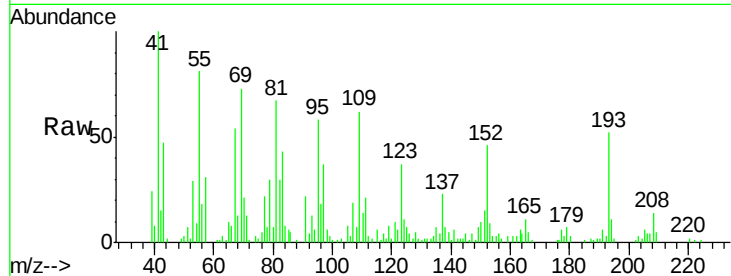
Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

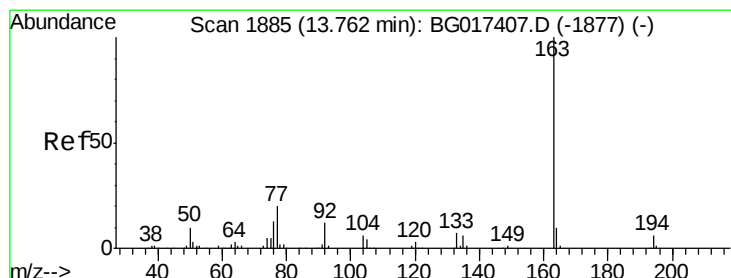
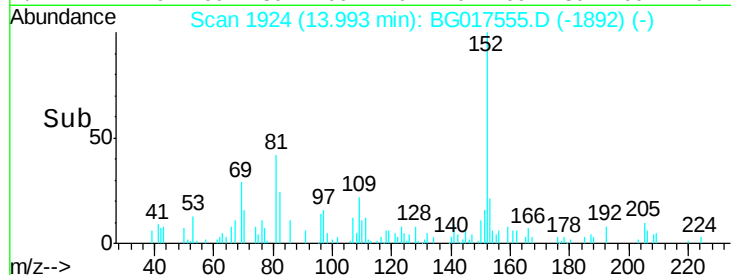
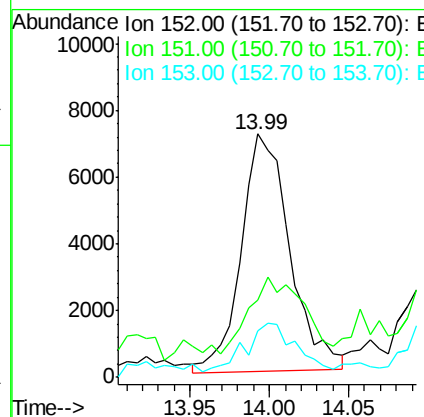
RAMP-P-440SB3.7



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	15213		
151	31.8	16.5	24.7#	
153	19.1	10.7	16.1#	

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#49

Dimethylphthalate

Concen: 5.73 ng

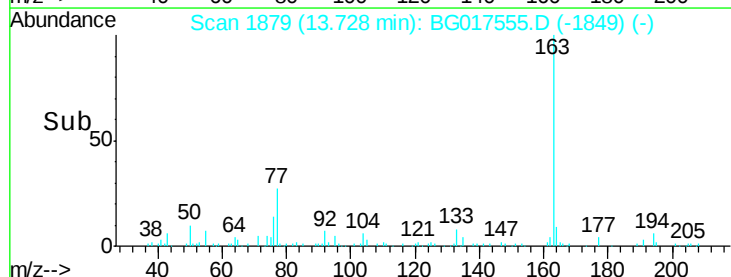
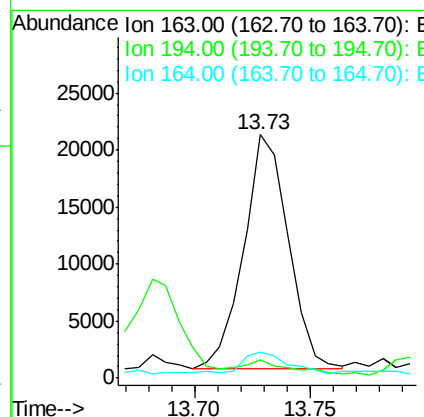
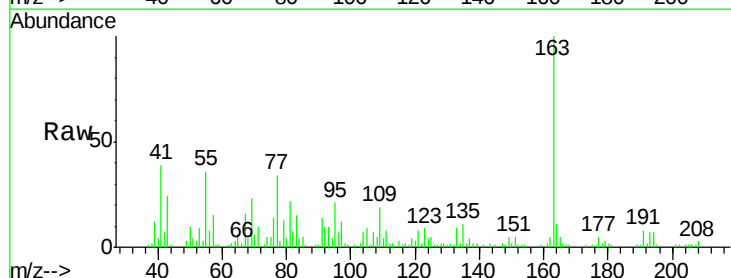
RT: 13.73 min Scan# 1879

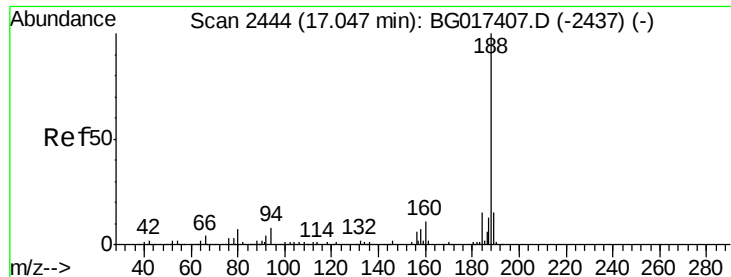
Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	27584		
194	7.3	4.9	7.3	
164	10.6	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.02 min Scan# 2440

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

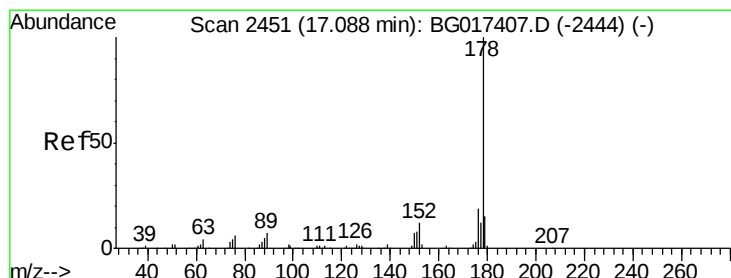
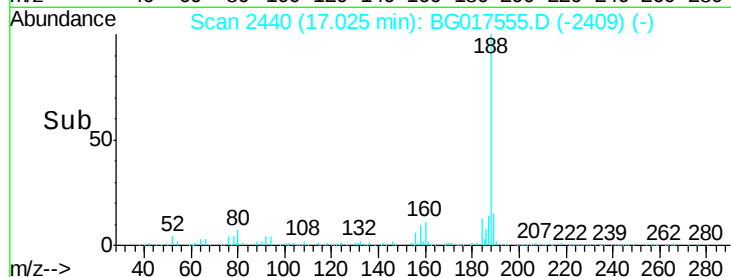
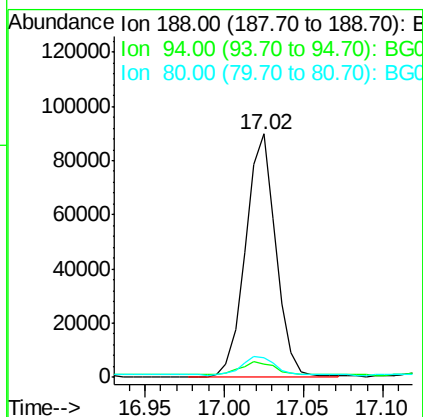
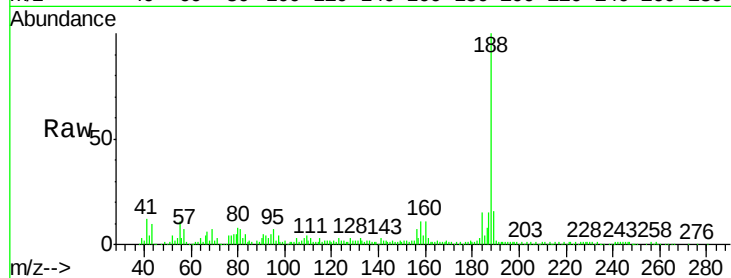
ClientSampleId :

RAMP-P-440SB3.7

Tgt Ion	188	Resp	119494
Ion Ratio	100	Lower	Upper
94	5.3	6.3	9.5#
80	8.1	5.2	7.8#

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#70

Phenanthrene

Concen: 4.23 ng

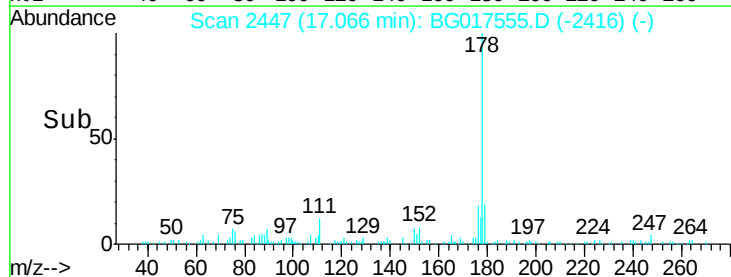
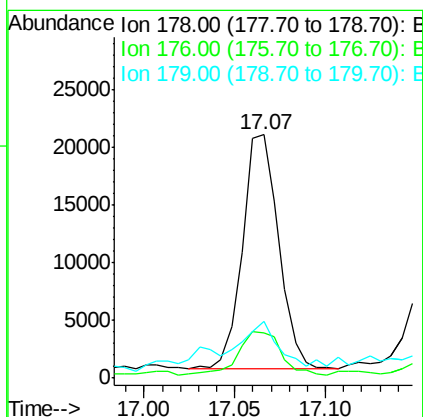
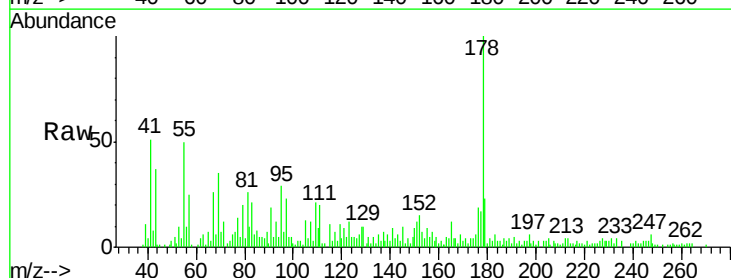
RT: 17.07 min Scan# 2447

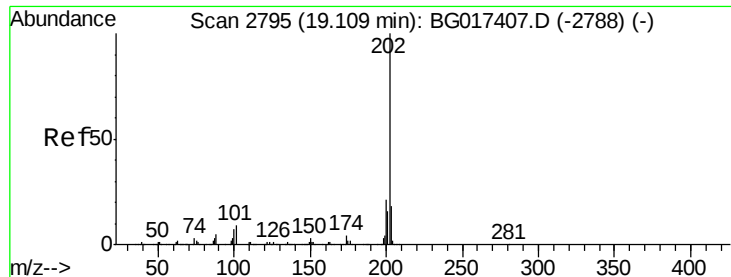
Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion	178	Resp	28179
Ion Ratio	100	Lower	Upper
176	18.5	15.6	23.4
179	23.2	12.2	18.2#





#74

Fluoranthene

Concen: 14.05 ng

RT: 19.09 min Scan# 2791

Delta R.T. -0.02 min

Lab File: BG017555.D

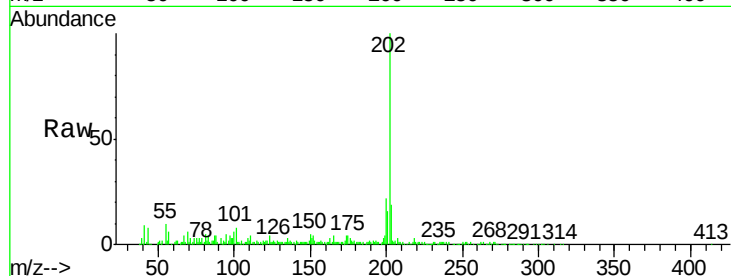
Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

ClientSampleId :

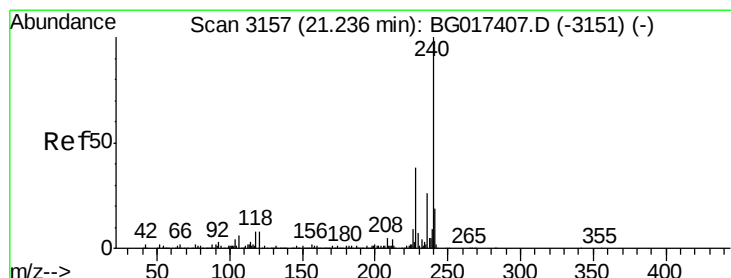
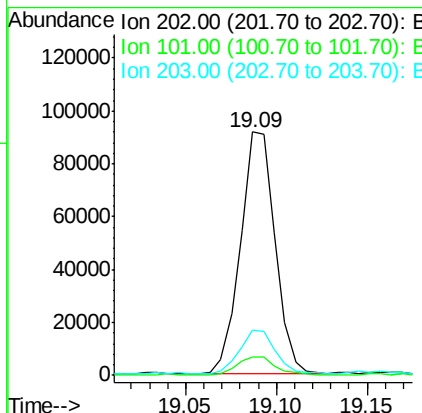
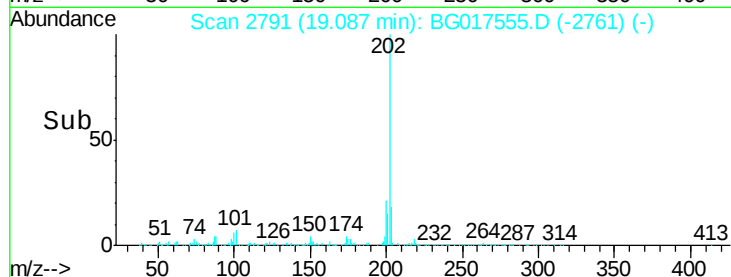
RAMP-P-440SB3.7



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.5	0.0	28.8		
203	18.5	0.0	37.6		

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#75

Chrysene-d12

Concen: 20.00 ng

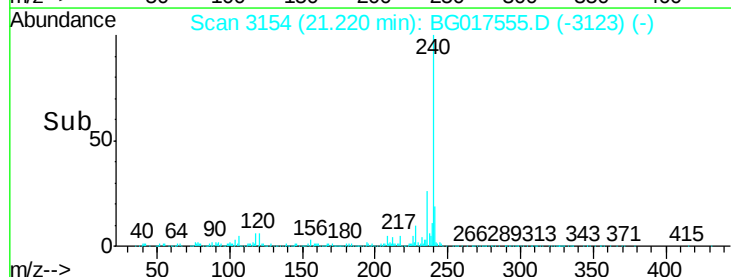
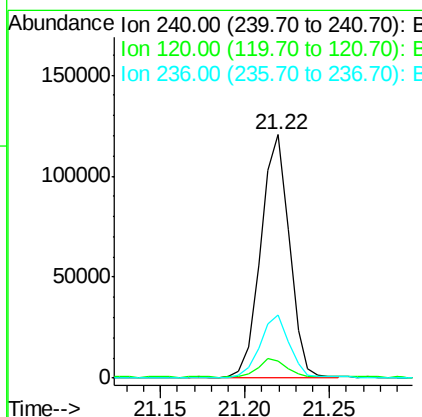
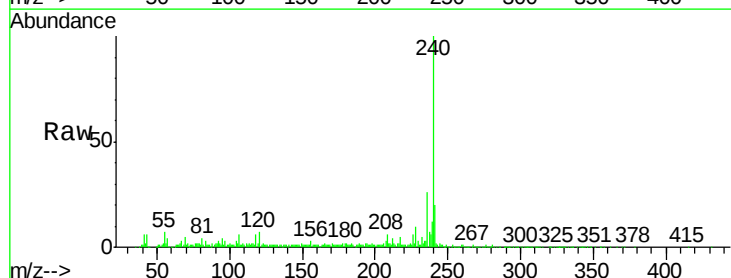
RT: 21.22 min Scan# 3154

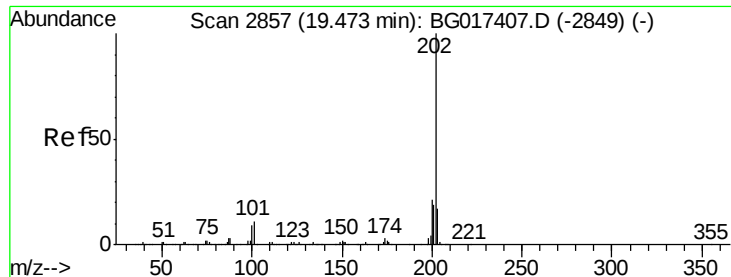
Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100				
120	7.0	6.5	9.7		
236	25.9	20.8	31.2		





#77

Pyrene

Concen: 14.73 ng

RT: 19.45 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

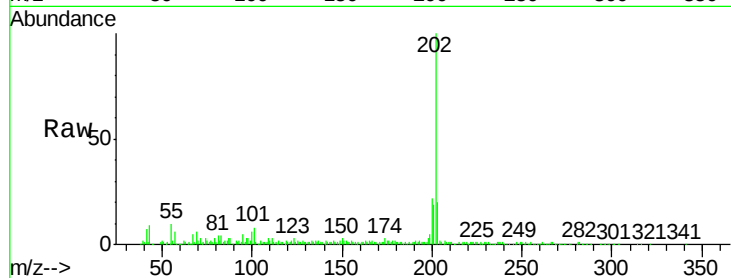
ClientSampleId :

RAMP-P-440SB3.7

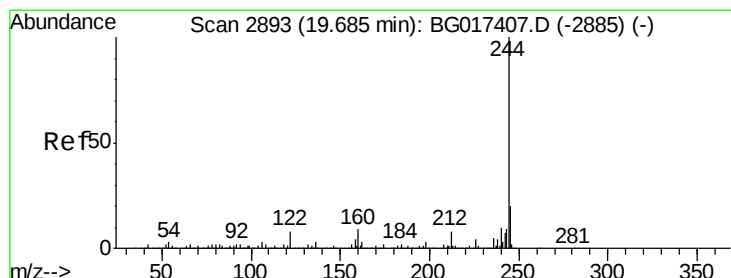
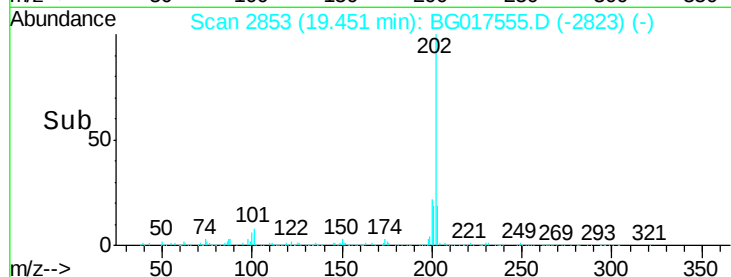
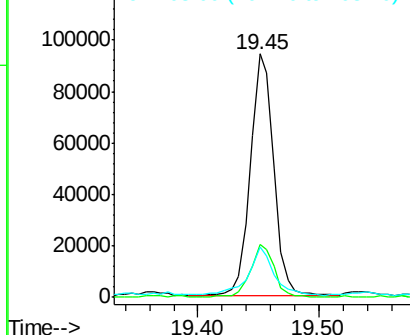
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		128243		
200	21.7		17.0	25.4	
203	20.5		13.9	20.9	

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 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: 65.70 ng

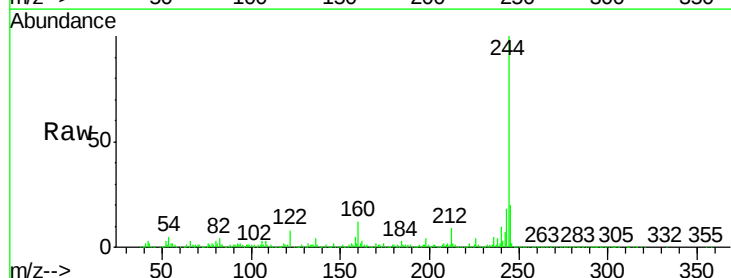
RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

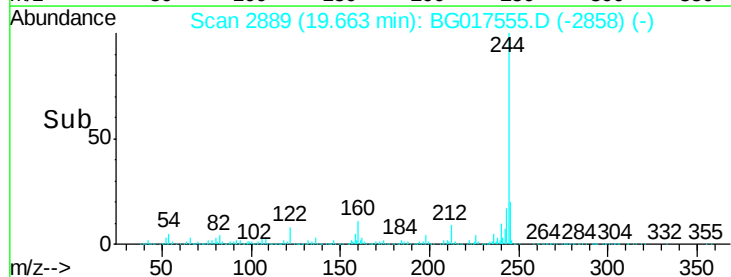
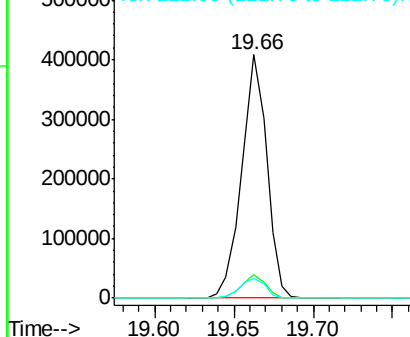
Lab File: BG017555.D

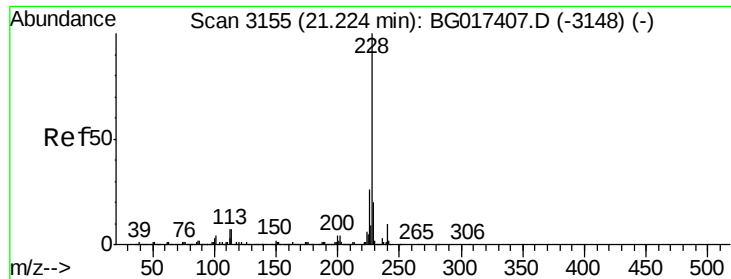
Acq: 9 Jun 2015 2:33

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		449173		
212	9.4		6.4	9.6	
122	8.2		6.6	10.0	



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: 9.34 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

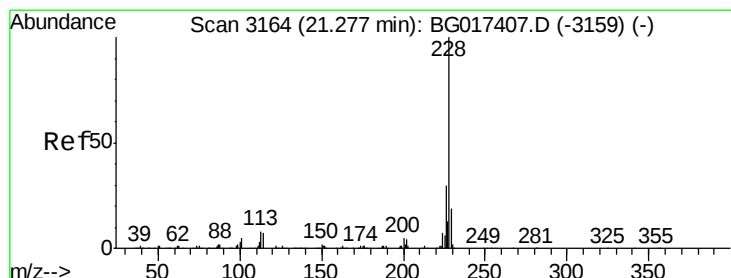
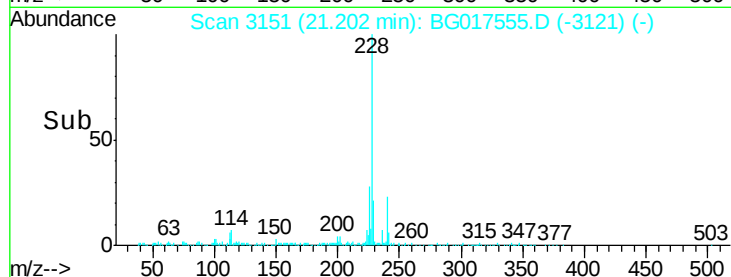
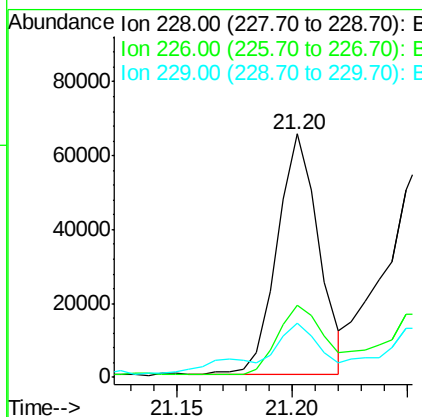
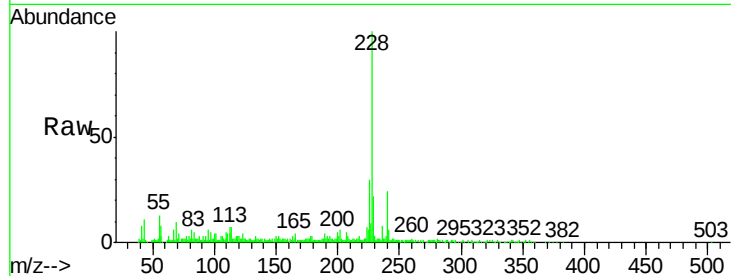
ClientSampleId :

RAMP-P-440SB3.7

Tgt Ion:	228	Resp:	81163
Ion Ratio	Lower	Upper	
228	100		
226	29.5	21.0	31.6
229	22.4	15.7	23.5

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#82

Chrysene

Concen: 12.01 ng m

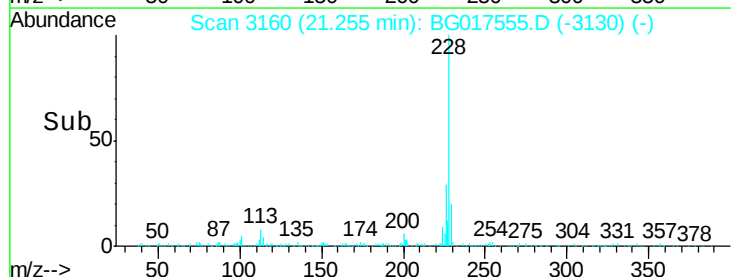
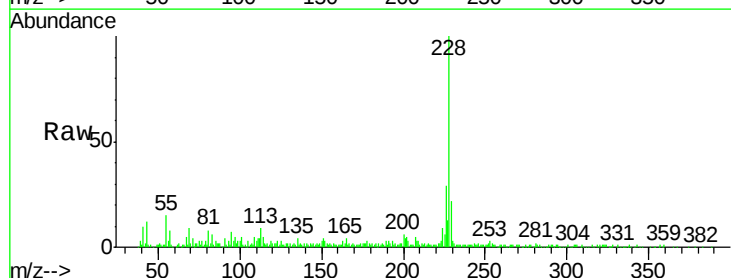
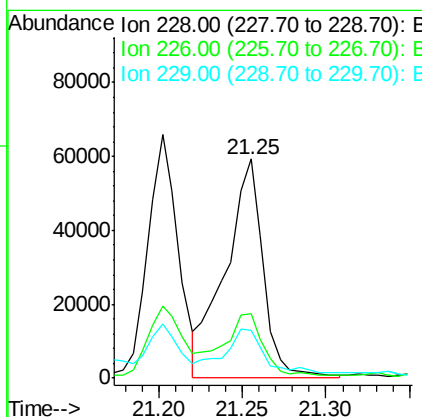
RT: 21.25 min Scan# 3160

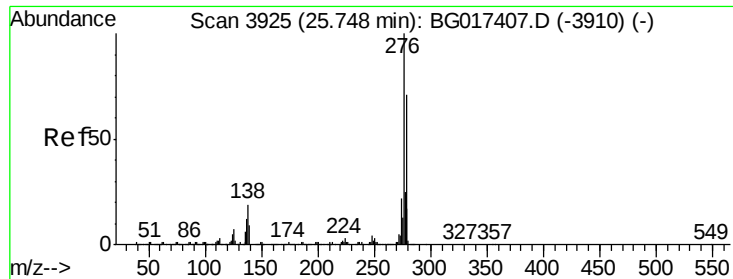
Delta R.T. -0.02 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion:	228	Resp:	94485
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.7	35.5
229	21.6	15.2	22.8





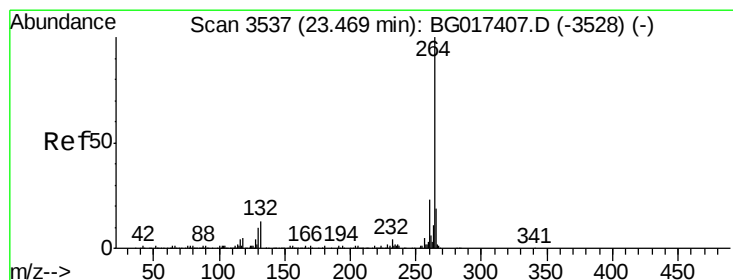
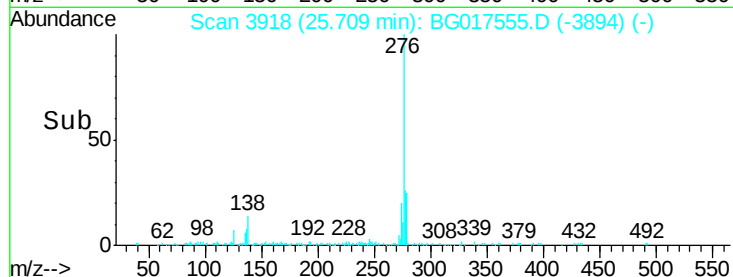
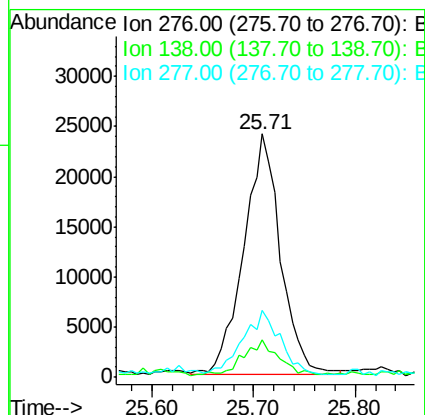
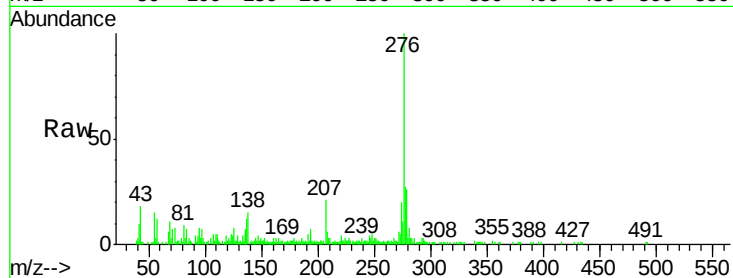
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.16 ng
RT: 25.71 min Scan# 3918
Delta R.T. -0.06 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	15.4	23.0#
277	27.2	20.5	30.7

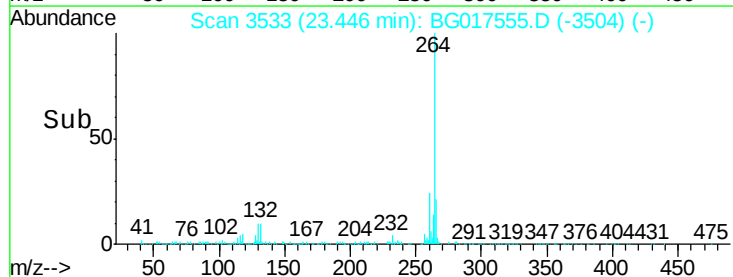
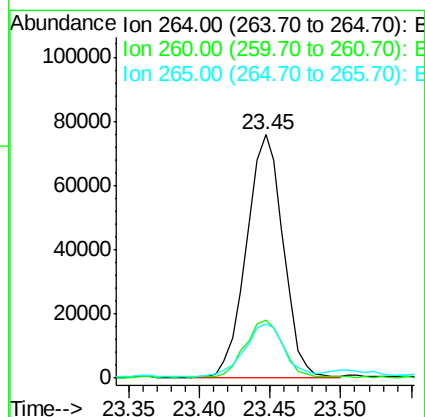
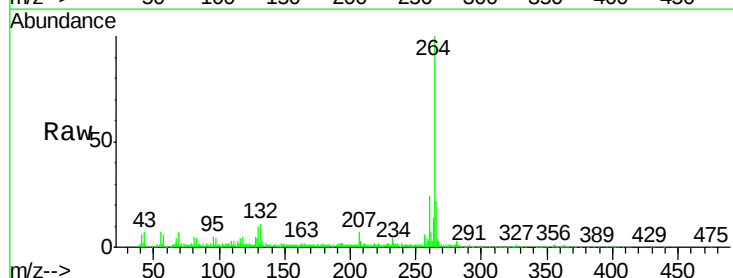
Manual Integrations
APPROVED

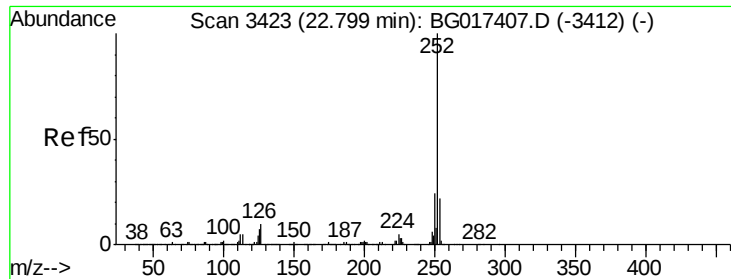
apatel
6/9/2015 3:56:47 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3533
Delta R.T. -0.03 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	22.0	15.8	23.6





#87

Benzo(b)fluoranthene

Concen: 16.93 ng m

RT: 22.78 min Scan# 3419

Delta R.T. -0.03 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Instrument :

BNA_G

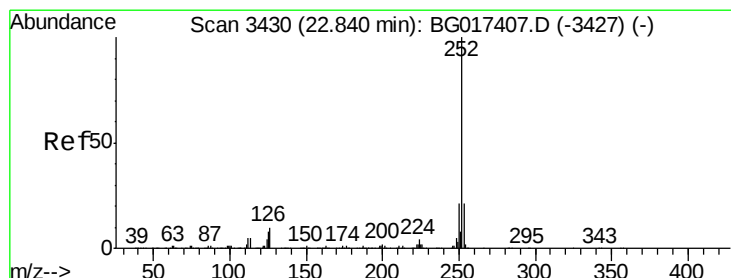
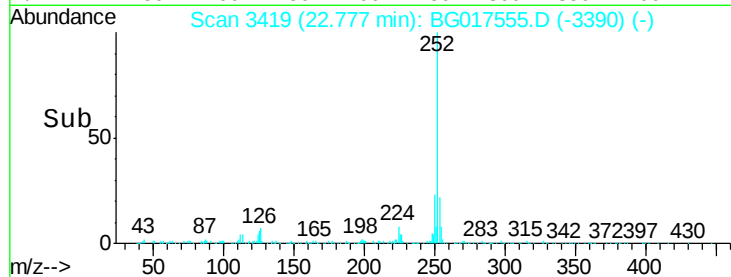
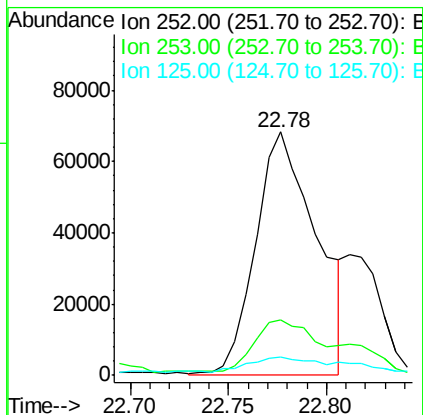
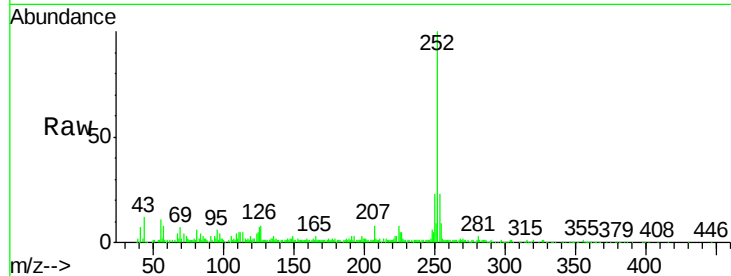
ClientSampleId :

RAMP-P-440SB3.7

Tgt Ion:	252	Resp:	147482
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	7.3	5.8	8.8

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:47 PM



#88

Benzo(k)fluoranthene

Concen: 5.29 ng m

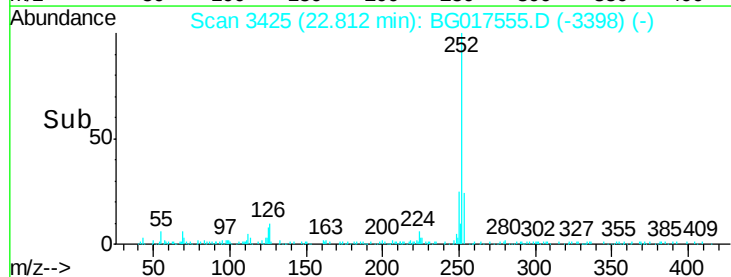
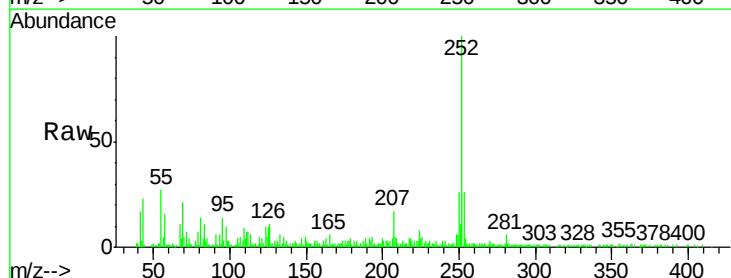
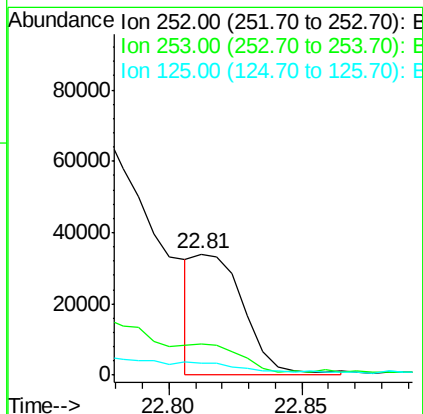
RT: 22.81 min Scan# 3425

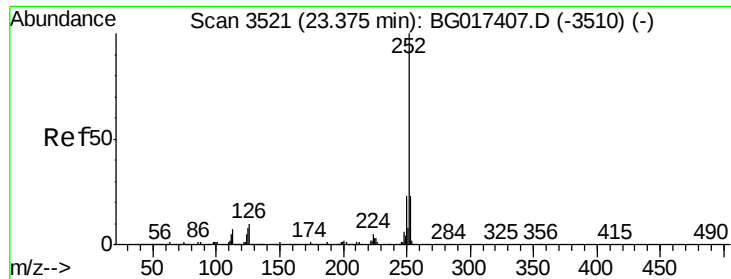
Delta R.T. -0.04 min

Lab File: BG017555.D

Acq: 9 Jun 2015 2:33

Tgt Ion:	252	Resp:	44114
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.7	26.5
125	10.1	6.5	9.7#





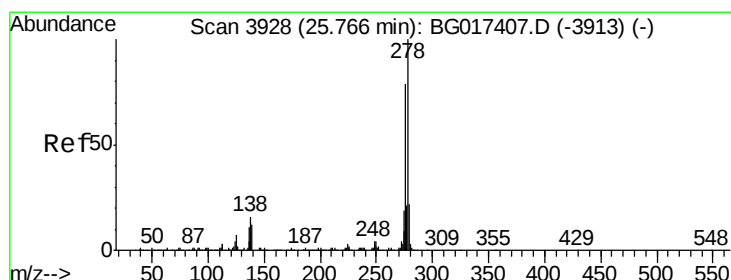
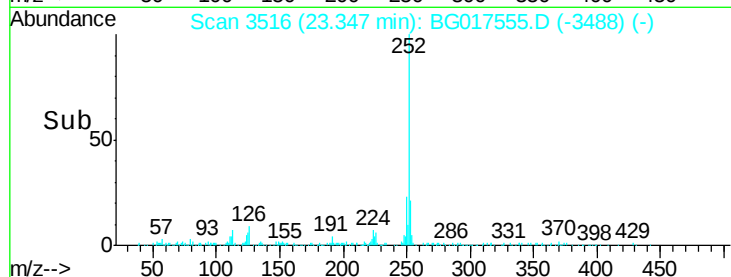
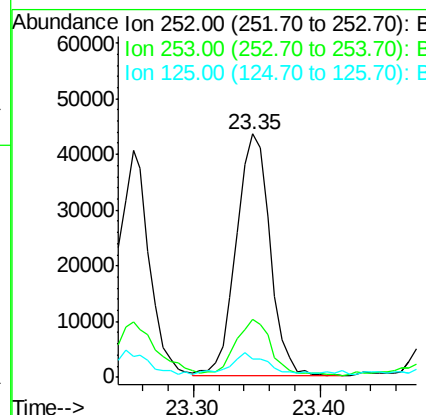
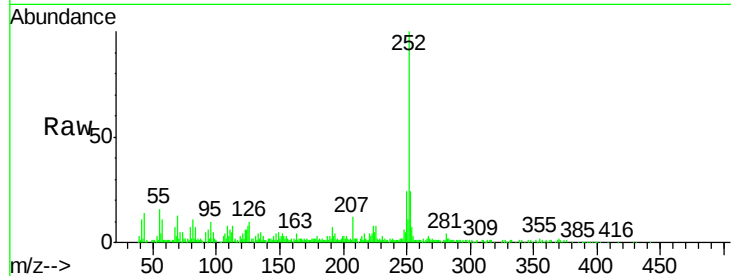
#89
Benzo(a)pyrene
Concen: 9.98 ng
RT: 23.35 min Scan# 3516
Delta R.T. -0.04 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Instrument :
BNA_G
ClientSampleId :
RAMP-P-440SB3.7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	7.7	6.5	9.7

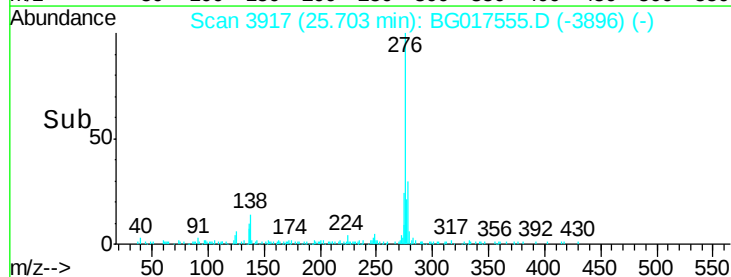
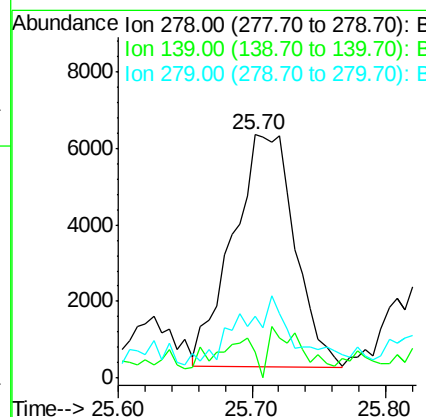
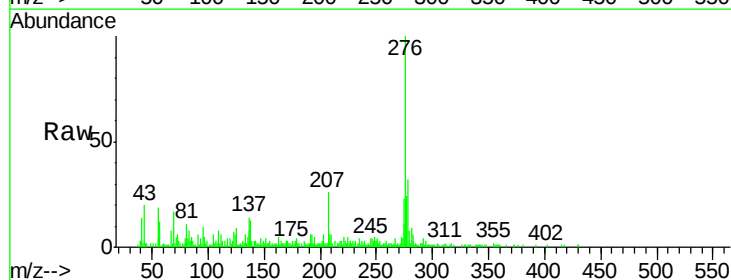
Manual Integrations
APPROVED

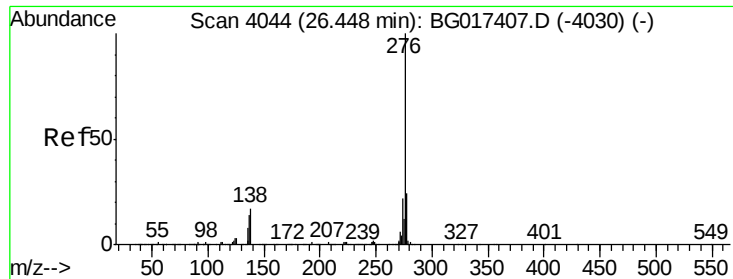
apatel
6/9/2015 3:56:47 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 25.70 min Scan# 3917
Delta R.T. -0.08 min
Lab File: BG017555.D
Acq: 9 Jun 2015 2:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.4	14.0
279	25.2	17.8	26.8





#91
 Benzo(g,h,i)perylene
 Concen: 7.00 ng
 RT: 26.40 min Scan# 4036
 Delta R.T. -0.07 min
 Lab File: BG017555.D
 Acq: 9 Jun 2015 2:33

Instrument :
 BNA_G
 ClientSampleId :
 RAMP-P-440SB3.7

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	13.8	13.5	20.3

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:56:47 PM

