

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017531.D
 Acq On : 7 Jun 2015 12:50
 Operator : TP/IZ
 Sample : G2457-07 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Manual Integrations
 APPROVED

apatel
 6/9/2015 8:17:42 AM

Quant Time: Jun 08 08:05:20 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	24520	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	102245	20.00	ng	-0.01
38) Acenaphthene-d10	14.29	164	62705	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	123395	20.00	ng	0.00
75) Chrysene-d12	21.24	240	138249	20.00	ng	0.00
86) Perylene-d12	23.48	264	143105	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	77260	55.51	ng	0.00
7) Phenol-d6	6.84	99	105899	55.85	ng	0.00
23) Nitrobenzene-d5	8.79	82	78267	38.21	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	39552	45.41	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	155616	37.44	ng	0.00
78) Terphenyl-d14	19.68	244	197021	29.45	ng	0.00
Target Compounds						
49) Dimethylphthalate	13.75	163	41663	7.63	ng	Qvalue # 97
70) Phenanthrene	17.08	178	121655	17.68	ng	98
71) Anthracene	17.18	178	33127m	4.82	ng	
74) Fluoranthene	19.11	202	208043	23.12	ng	98
77) Pyrene	19.47	202	182842	21.47	ng	100
80) Benzo(a)anthracene	21.22	228	105408	12.40	ng	99
82) Chrysene	21.28	228	84806	11.01	ng	97
85) Indeno(1,2,3-cd)pyrene	25.75	276	52612	5.44	ng	# 89
87) Benzo(b)fluoranthene	22.81	252	118525	13.07	ng	96
88) Benzo(k)fluoranthene	22.84	252	38759m	4.47	ng	
89) Benzo(a)pyrene	23.38	252	89292	10.74	ng	96
91) Benzo(g,h,i)perylene	26.47	276	44962	5.47	ng	# 92

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

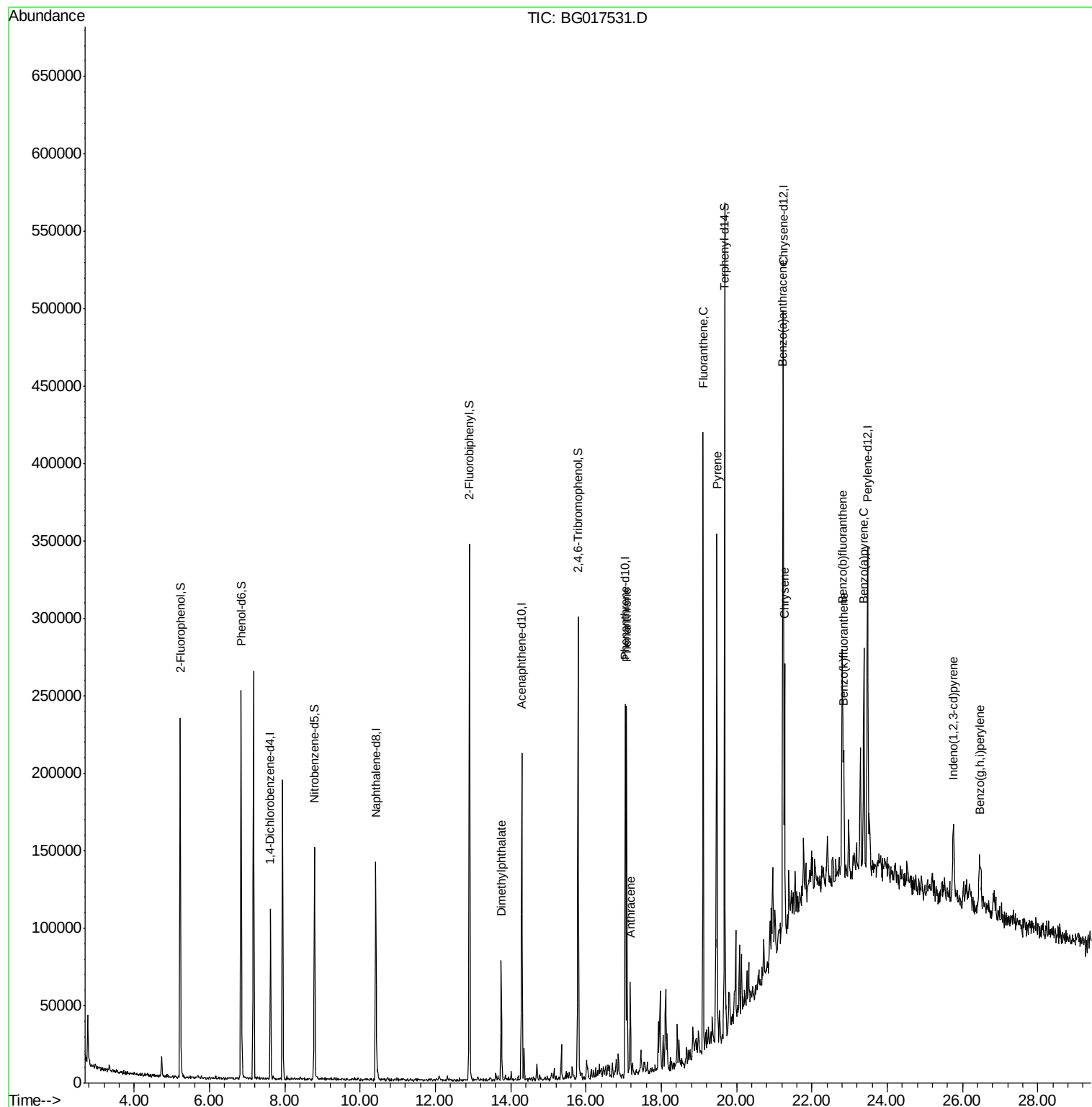
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017531.D
Acq On : 7 Jun 2015 12:50
Operator : TP/IZ
Sample : G2457-07 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

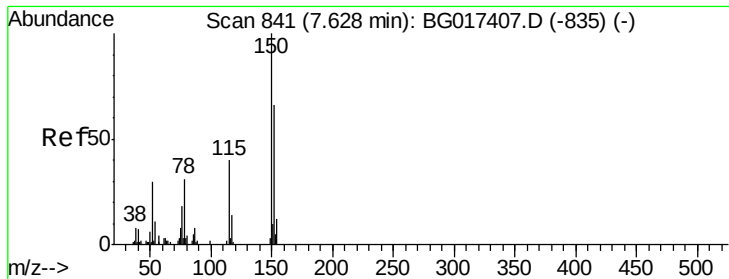
Instrument :
BNA_G
ClientSampled :
SP-4

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM

Quant Time: Jun 08 08:05:20 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration

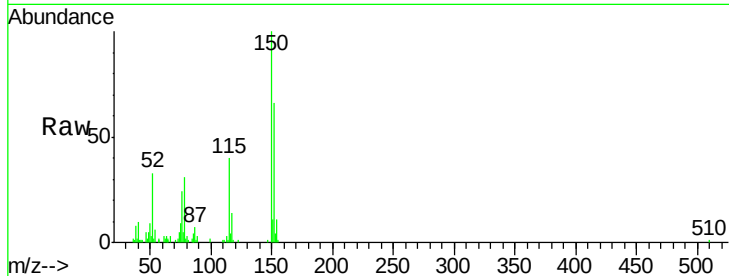




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.62 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

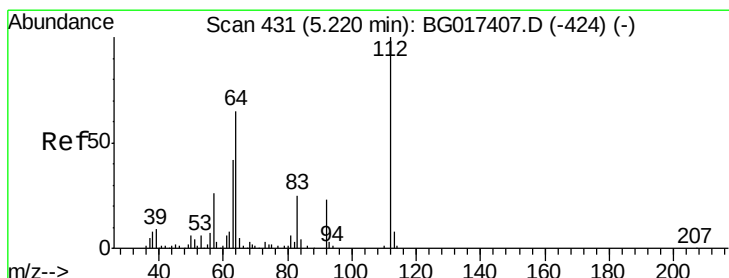
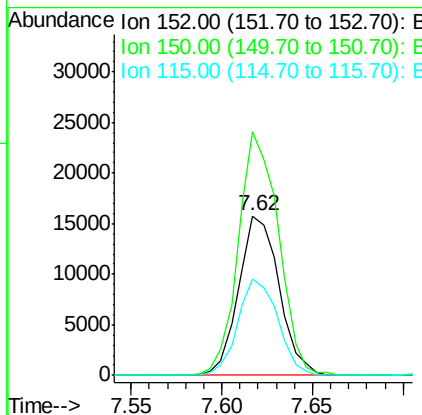
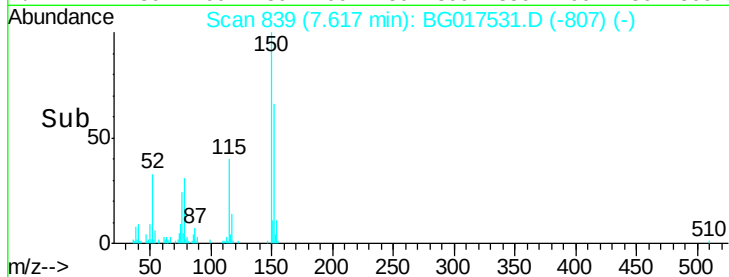
Instrument :
BNA_G
ClientSampleId :
SP-4



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	121.7	182.5
115	60.6	48.6	73.0

Manual Integrations
APPROVED

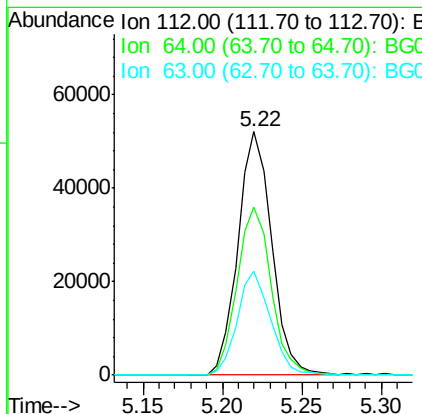
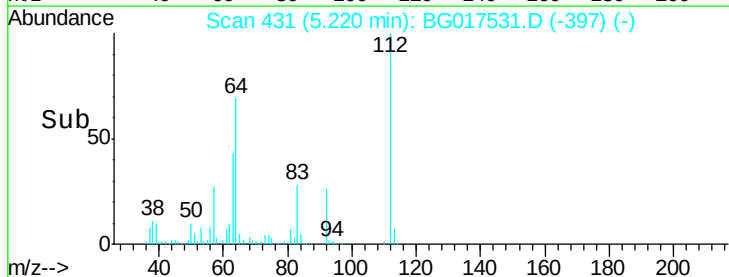
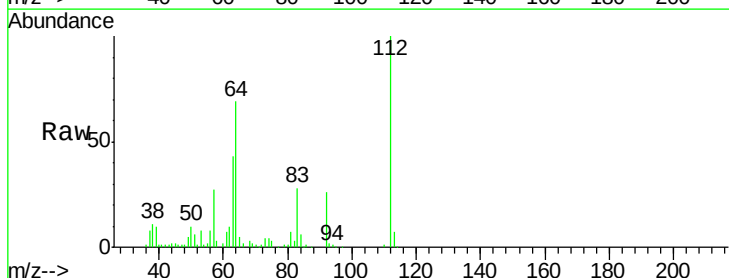
apatel
6/9/2015 8:17:42 AM

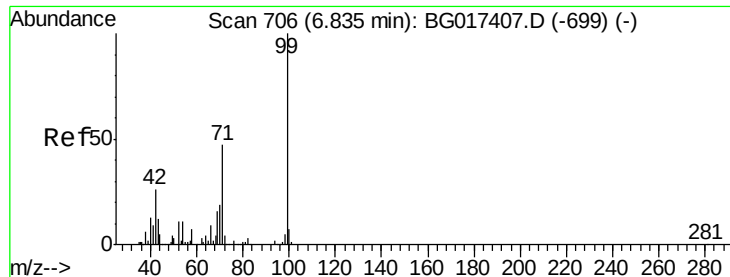


#5

2-Fluorophenol
Concen: 55.51 ng
RT: 5.22 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	51.6	77.4
63	42.9	33.3	49.9





#7

Phenol-d6

Concen: 55.85 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG017531.D

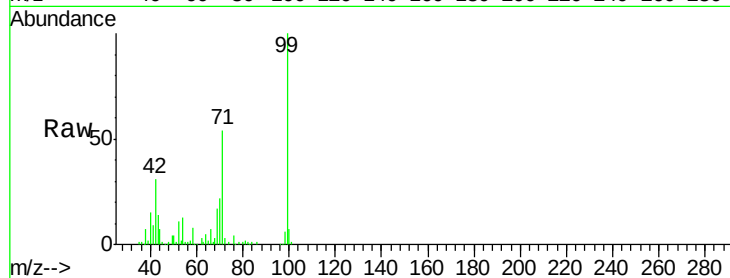
Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

ClientSampled :

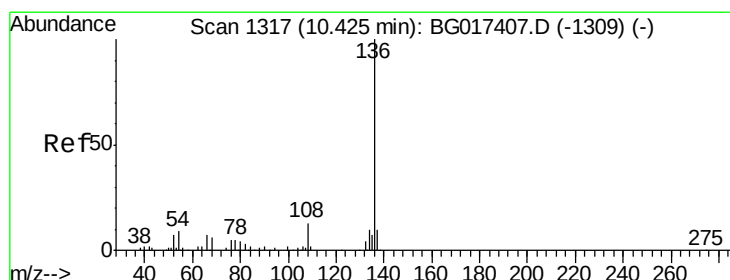
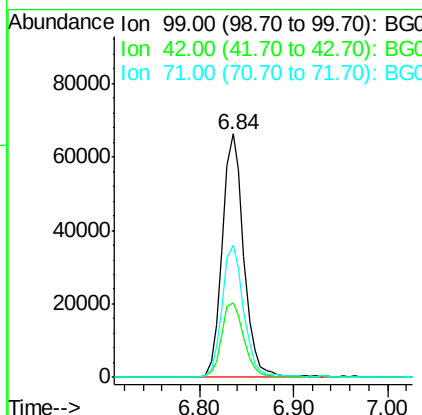
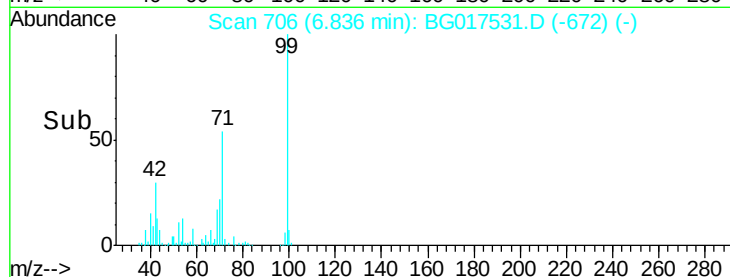
SP-4



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	105899		
42	30.7	21.0	31.6	
71	54.3	37.2	55.8	

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM



#21

Naphthalene-d8

Concen: 20.00 ng

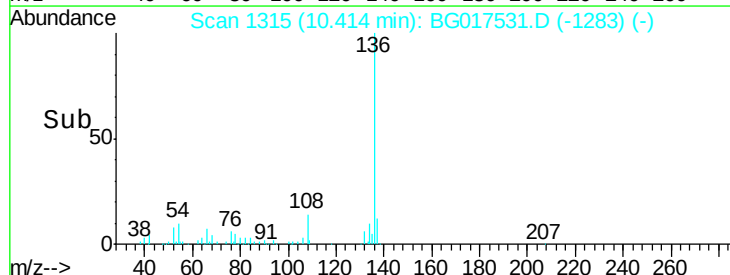
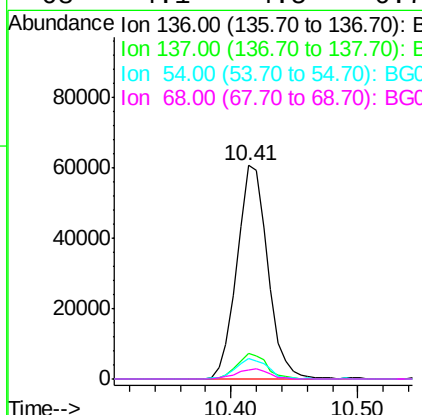
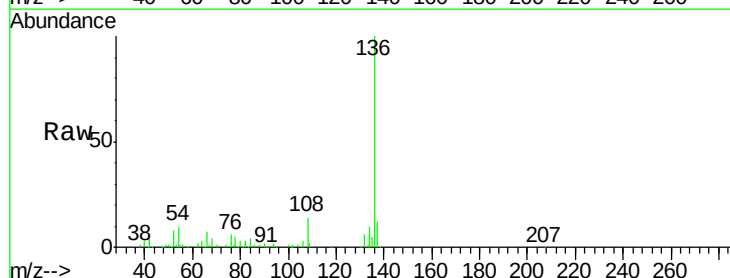
RT: 10.41 min Scan# 1315

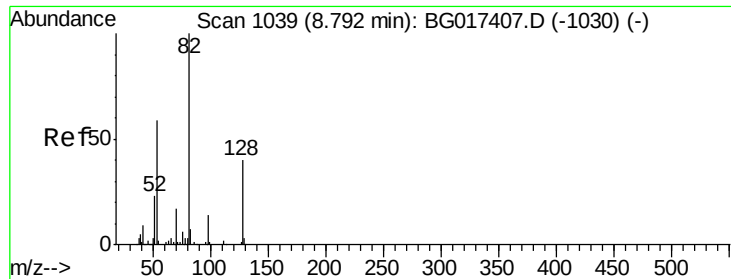
Delta R.T. -0.01 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	102245		
137	12.1	7.9	11.9#	
54	9.9	7.2	10.8	
68	4.1	4.5	6.7#	





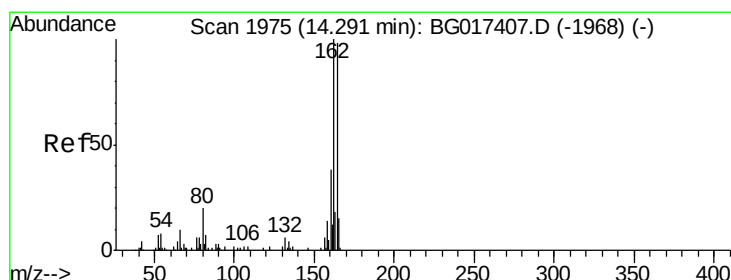
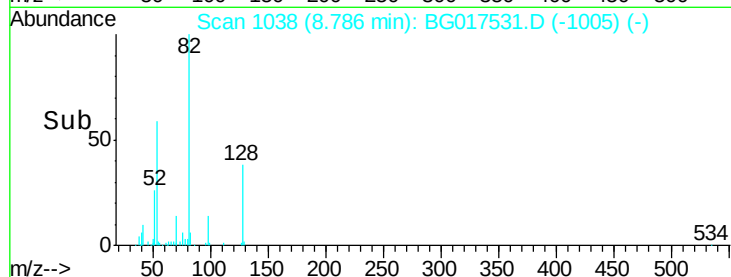
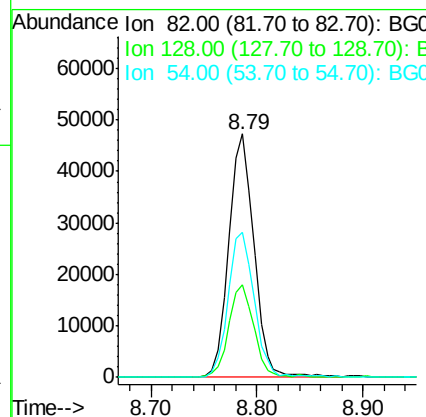
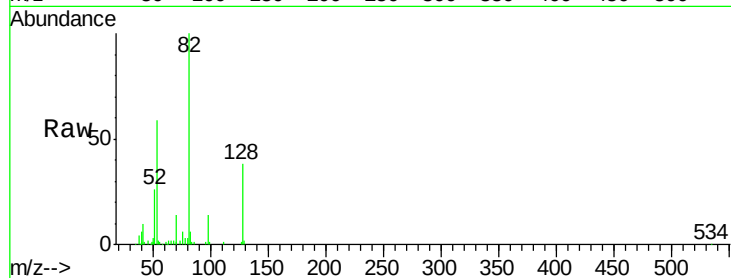
#23
 Nitrobenzene-d5
 Concen: 38.21 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.2	32.2	48.4
54	59.5	47.4	71.2

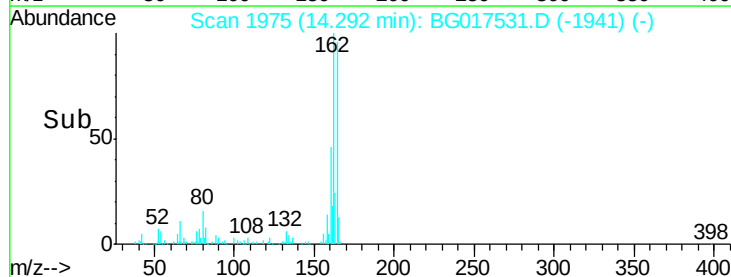
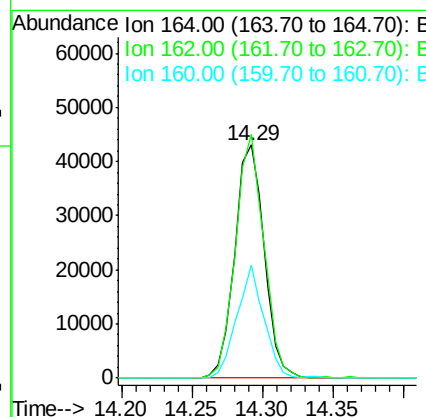
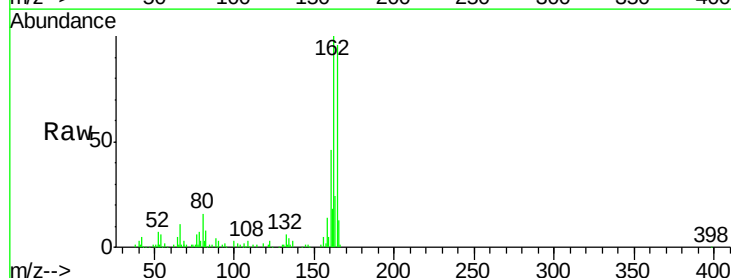
Manual Integrations
 APPROVED

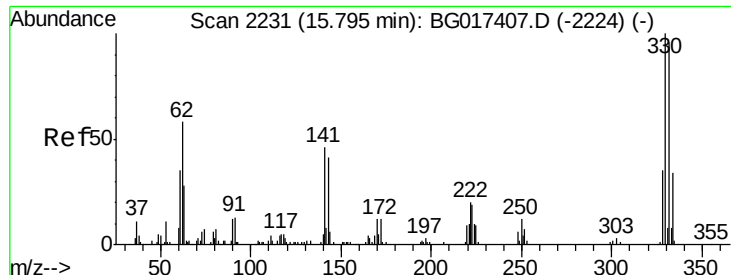
apatel
 6/9/2015 8:17:42 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.8	122.6
160	48.4	31.0	46.4#





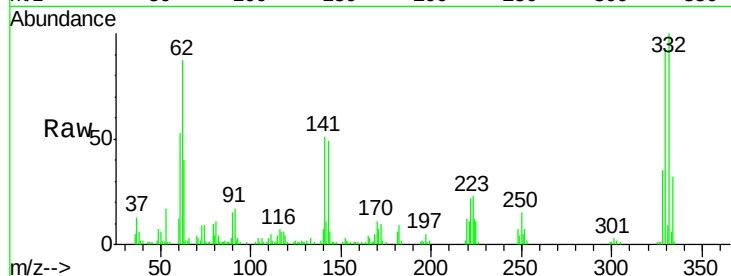
#41
 2,4,6-Tribromophenol
 Concen: 45.41 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Instrument :
 BNA_G
 ClientSampled :
 SP-4

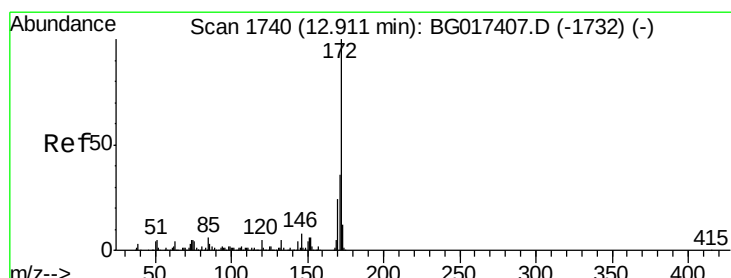
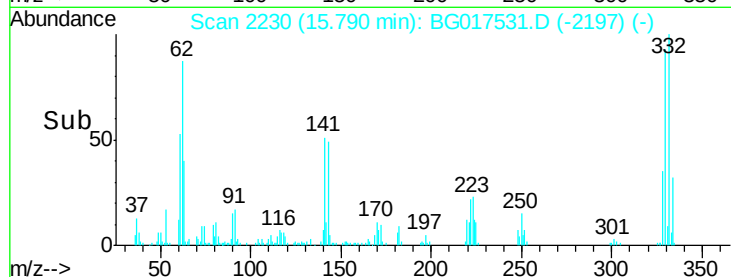
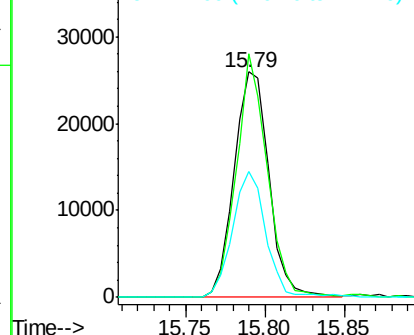
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	39552		
332	95.6	75.9	113.9	
141	52.8	40.2	60.4	

Manual Integrations
 APPROVED

apatel
 6/9/2015 8:17:42 AM



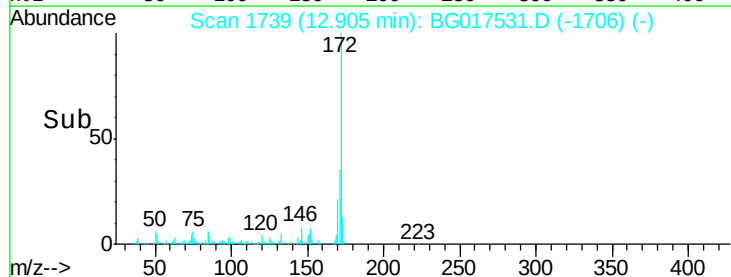
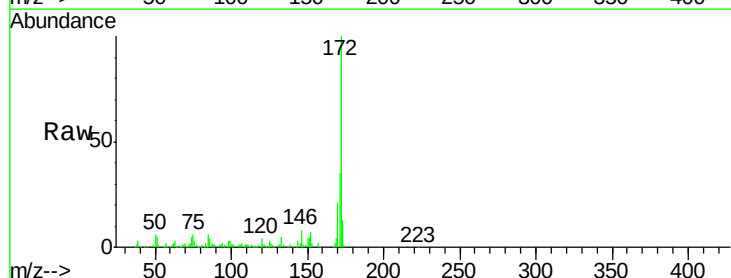
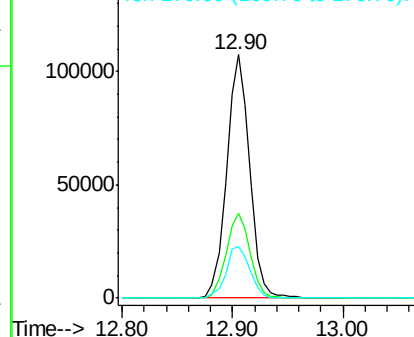
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

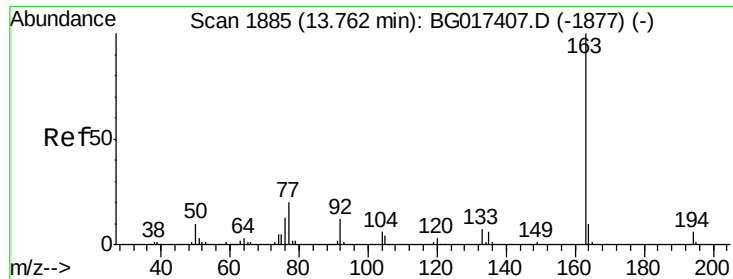


#44
 2-Fluorobiphenyl
 Concen: 37.44 ng
 RT: 12.90 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	155616		
171	34.8	29.0	43.6	
170	21.4	18.9	28.3	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





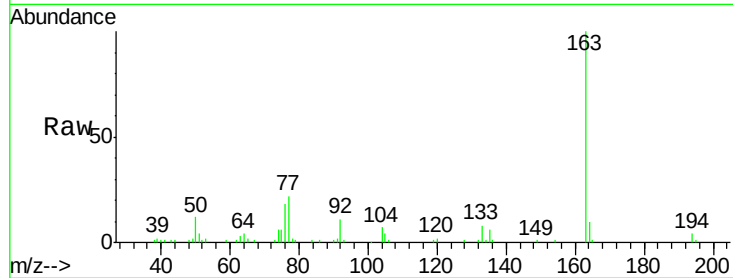
#49
Dimethylphthalate
Concen: 7.63 ng
RT: 13.75 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

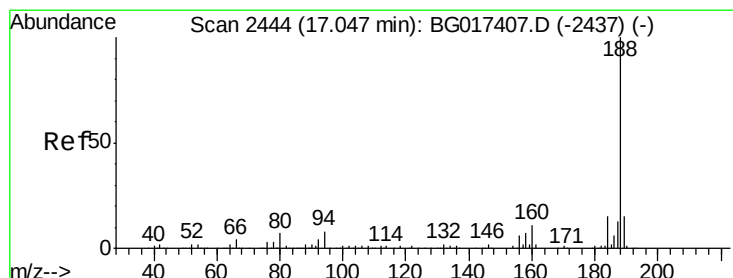
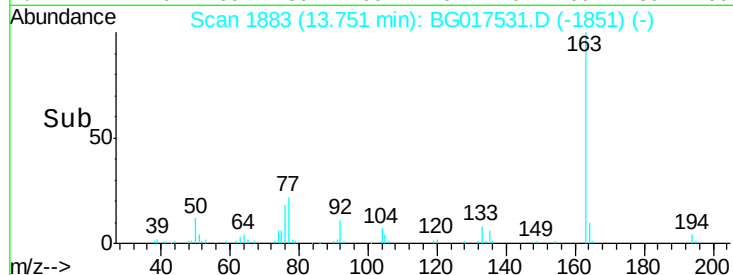
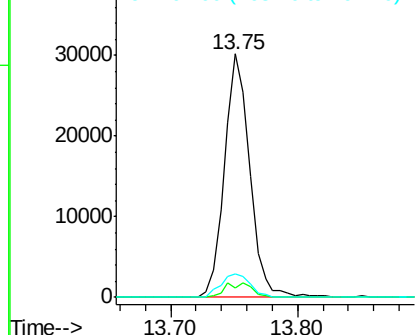
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.9	7.3#
164	9.8	8.2	12.2

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM

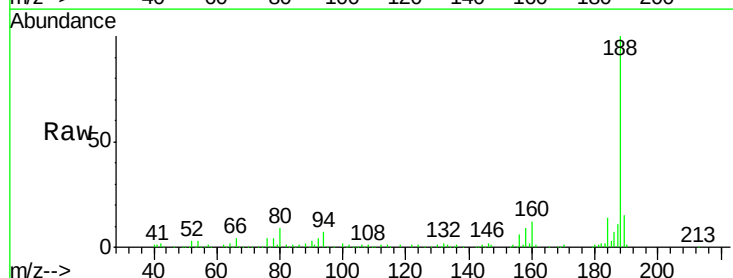


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

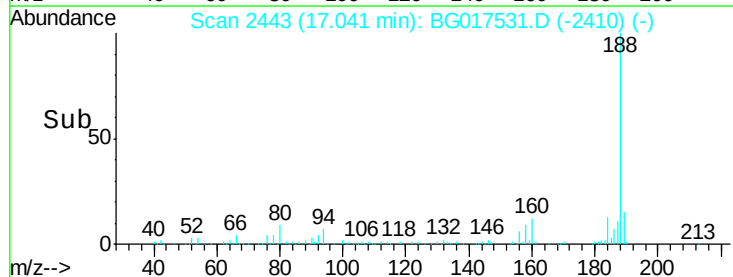
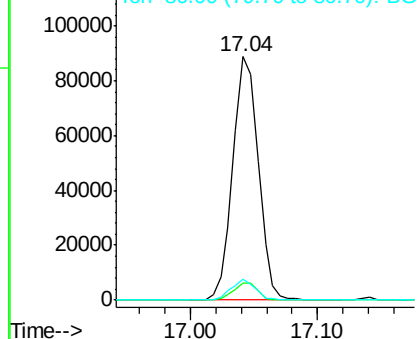


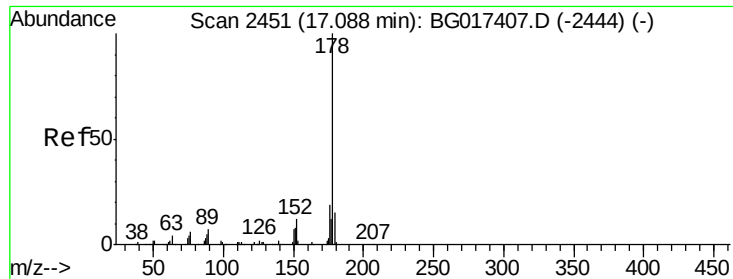
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.3	9.5
80	8.8	5.2	7.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





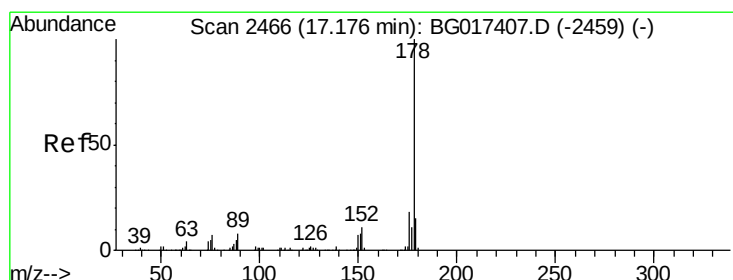
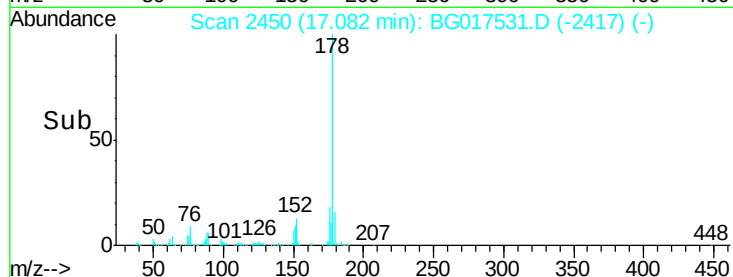
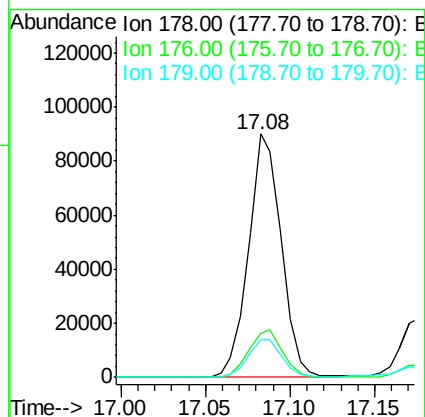
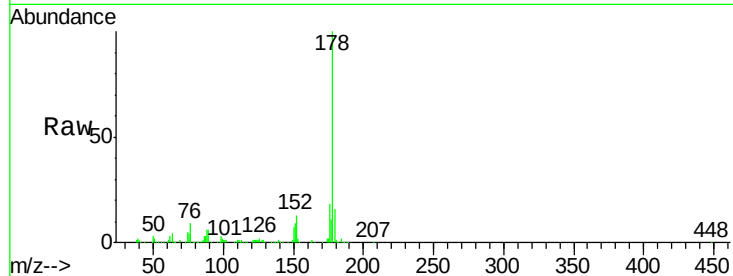
#70
Phenanthrene
Concen: 17.68 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.6	12.2	18.2

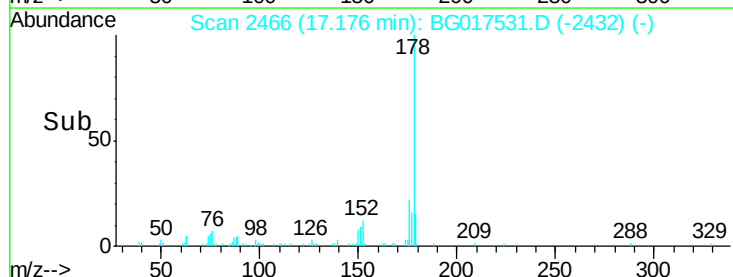
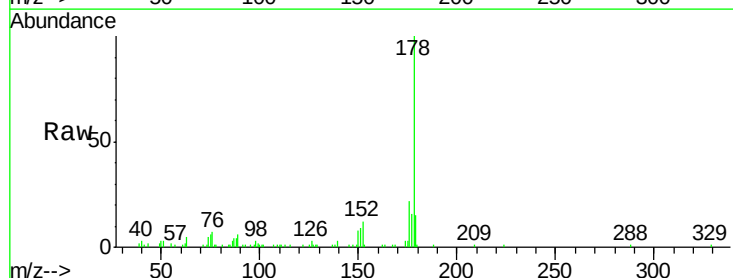
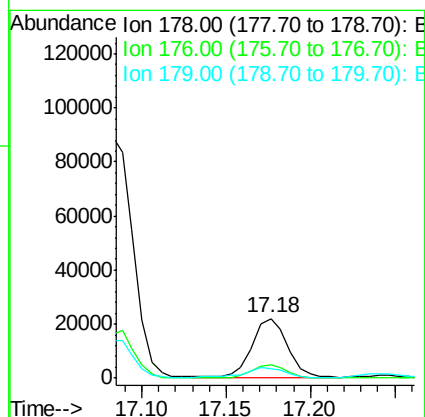
Manual Integrations
APPROVED

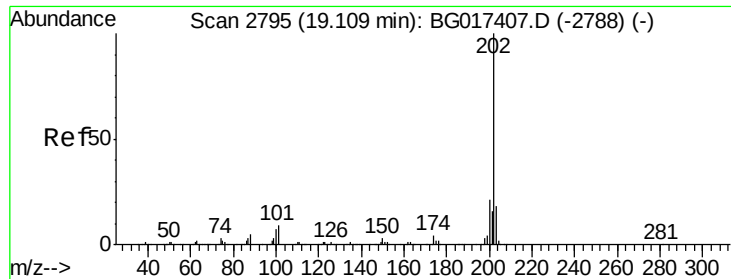
apatel
6/9/2015 8:17:42 AM



#71
Anthracene
Concen: 4.82 ng m
RT: 17.18 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.0	14.2	21.2#
179	15.2	12.2	18.4





#74

Fluoranthene

Concen: 23.12 ng

RT: 19.11 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

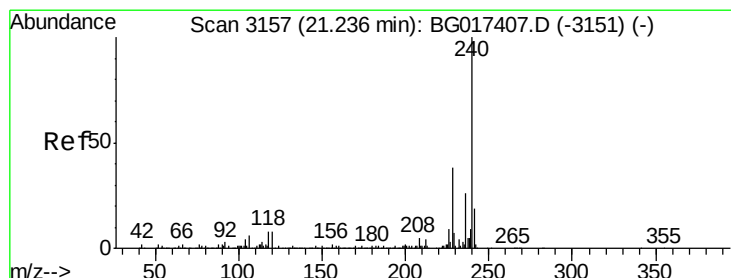
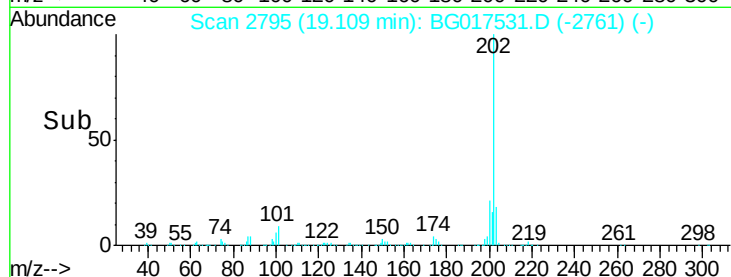
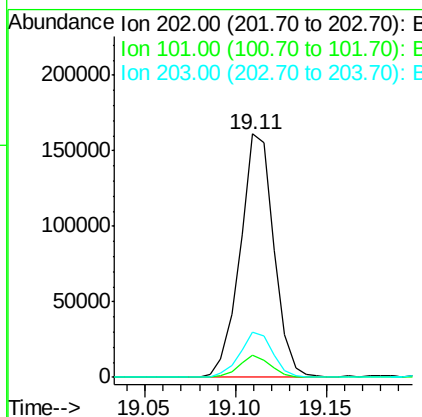
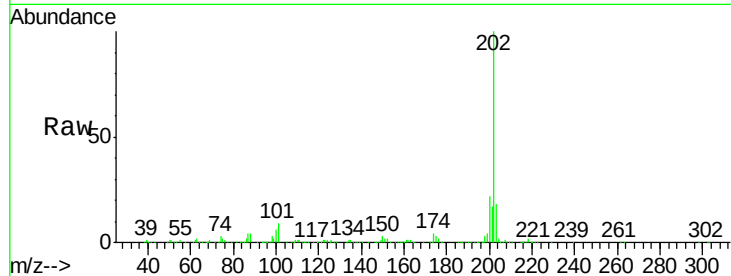
ClientSampleId :

SP-4

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		208043		
101	9.3	0.0	28.8		
203	18.4	0.0	37.6		

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM



#75

Chrysene-d12

Concen: 20.00 ng

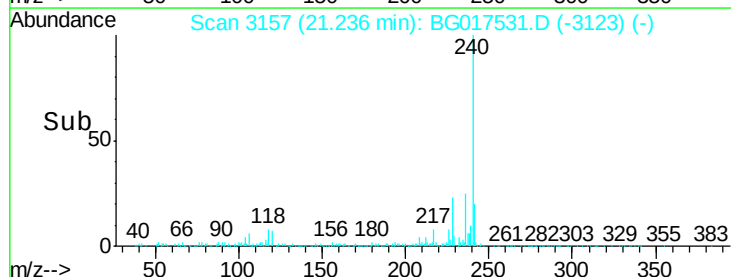
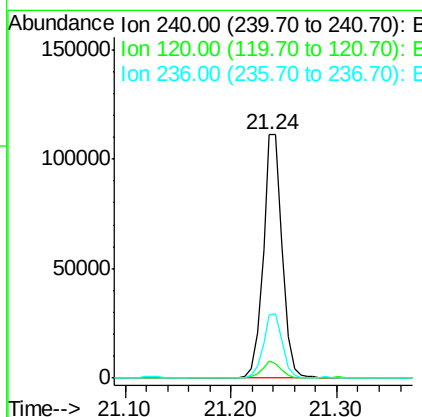
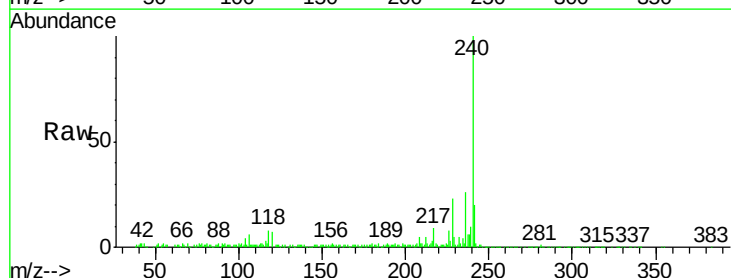
RT: 21.24 min Scan# 3157

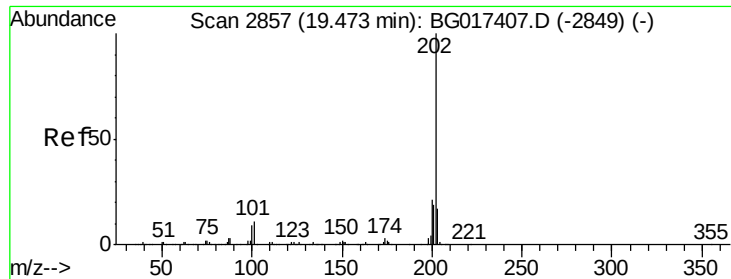
Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		138249		
120	7.1	6.5	9.7		
236	25.7	20.8	31.2		





#77

Pyrene

Concen: 21.47 ng

RT: 19.47 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG017531.D

Acq: 7 Jun 2015 12:50

Instrument :

BNA_G

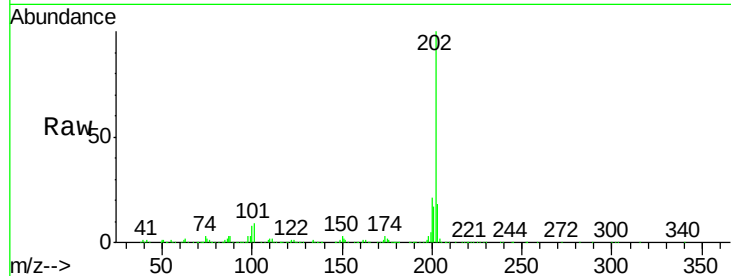
ClientSampleId :

SP-4

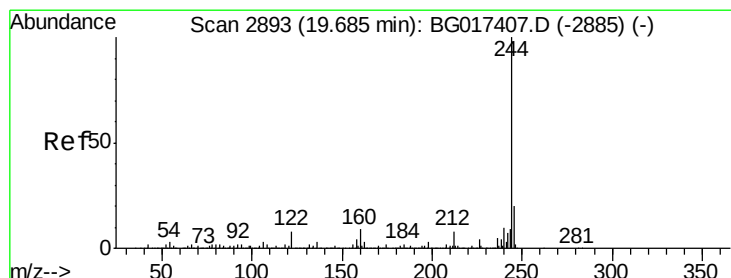
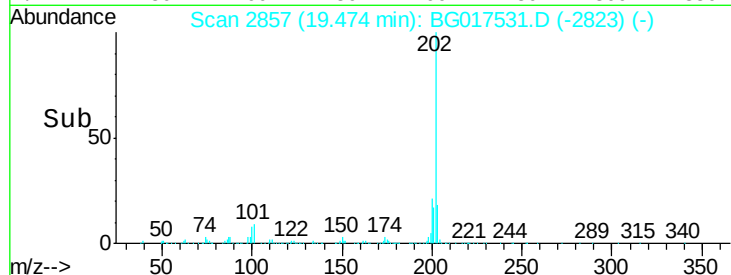
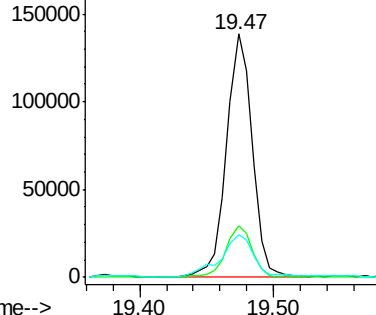
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		182842		
200	21.2		17.0	25.4	
203	17.7		13.9	20.9	

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM



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: 29.45 ng

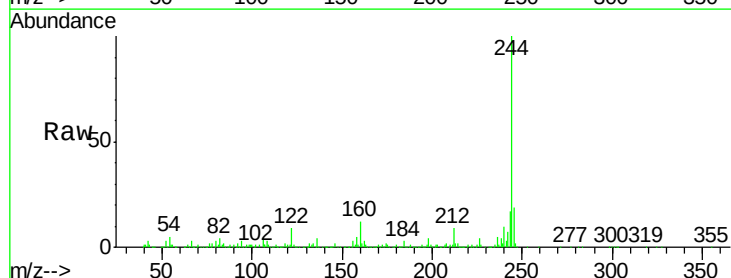
RT: 19.68 min Scan# 2892

Delta R.T. -0.01 min

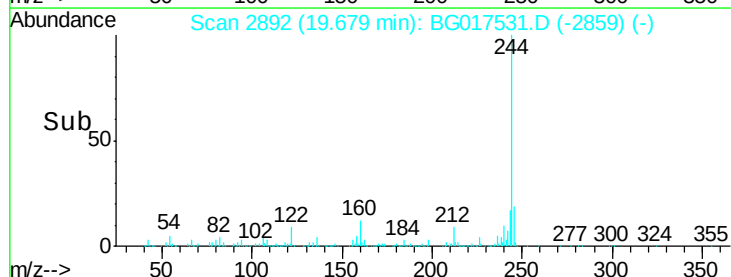
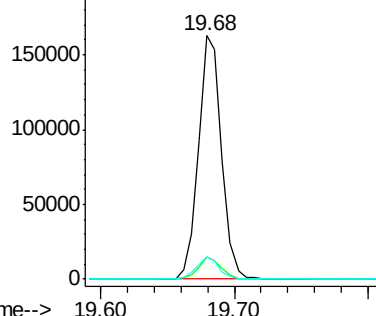
Lab File: BG017531.D

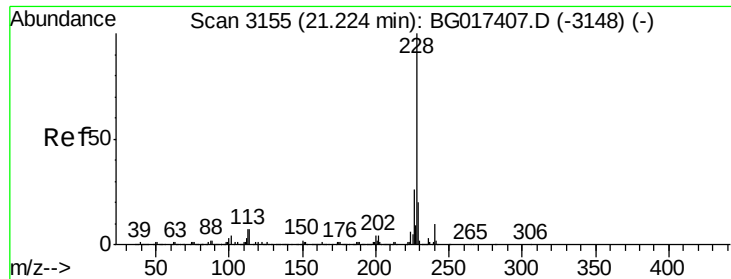
Acq: 7 Jun 2015 12:50

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		197021		
212	8.9		6.4	9.6	
122	9.3		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





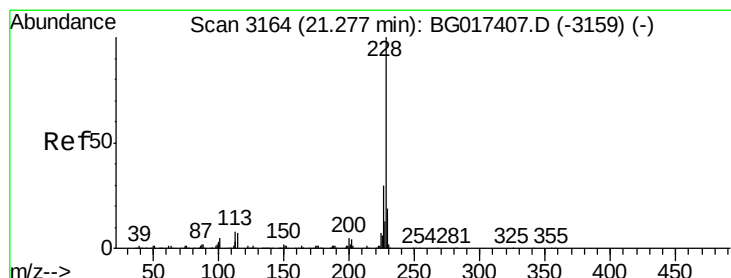
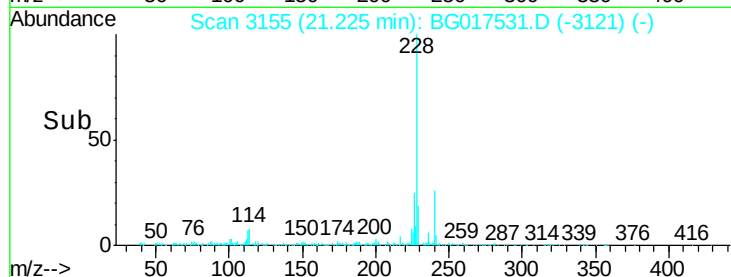
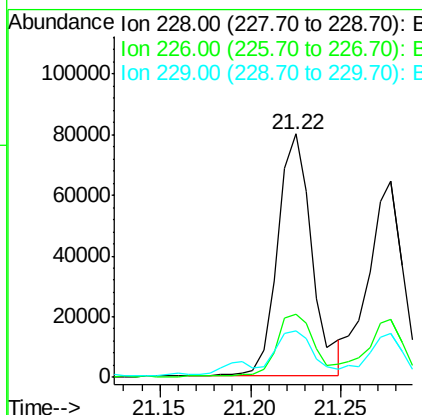
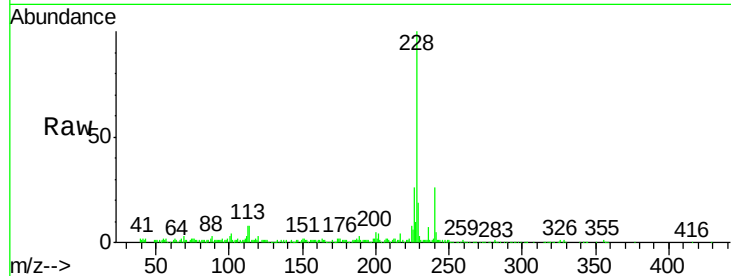
#80
Benzo(a)anthracene
Concen: 12.40 ng
RT: 21.22 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.0	31.6
229	19.3	15.7	23.5

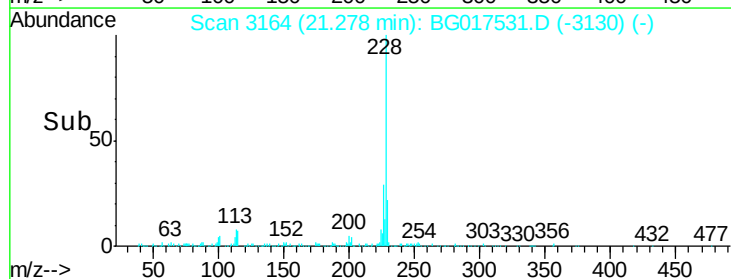
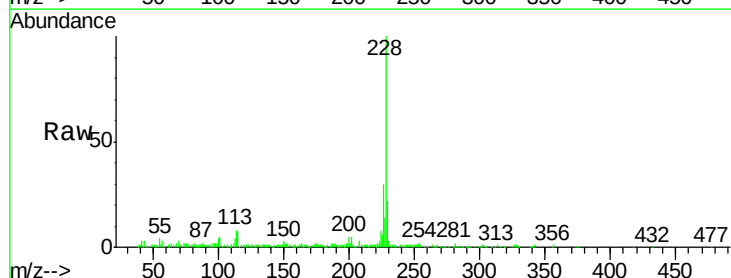
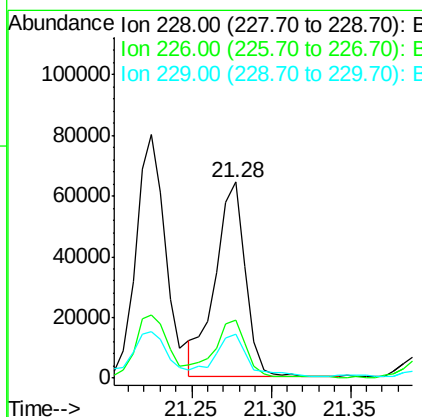
Manual Integrations
APPROVED

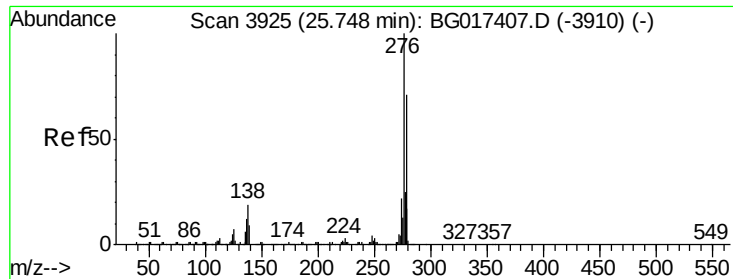
apatel
6/9/2015 8:17:42 AM



#82
Chrysene
Concen: 11.01 ng
RT: 21.28 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	22.3	15.2	22.8





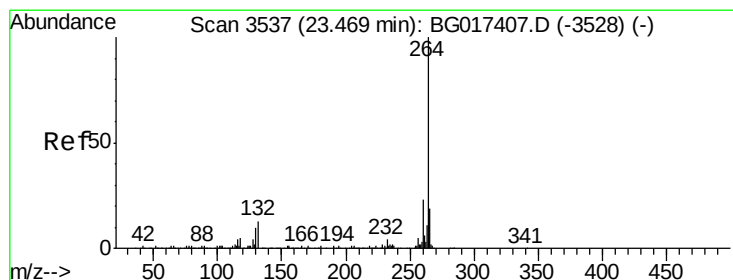
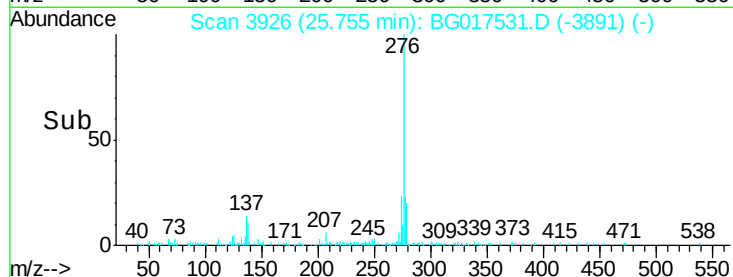
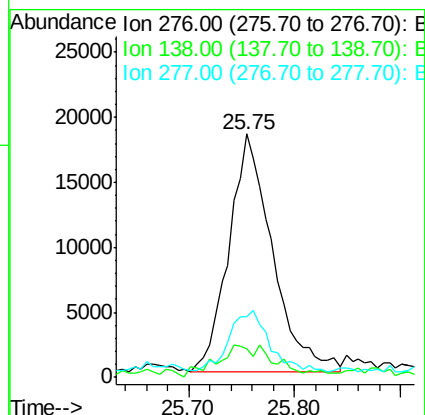
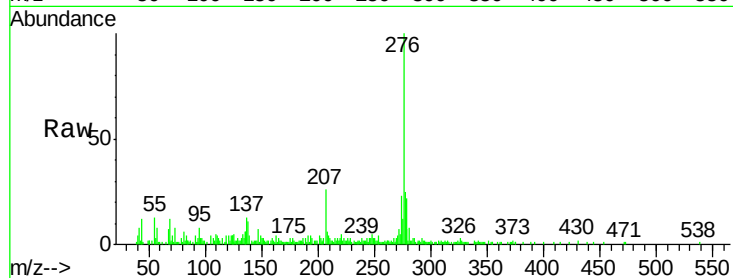
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.44 ng
 RT: 25.75 min Scan# 3926
 Delta R.T. 0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Instrument :
 BNA_G
 ClientSampleId :
 SP-4

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	10.7	15.4	23.0#
277	23.3	20.5	30.7

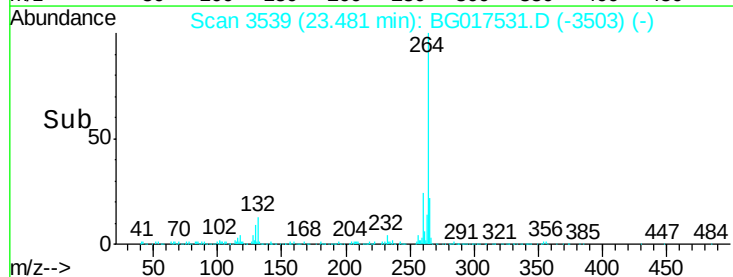
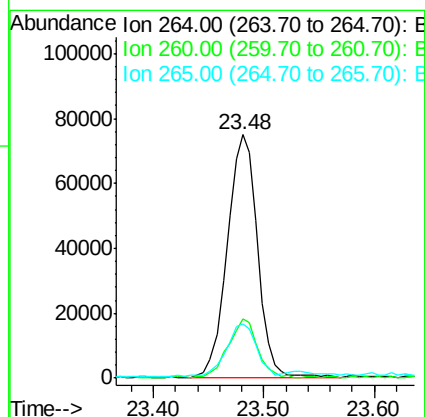
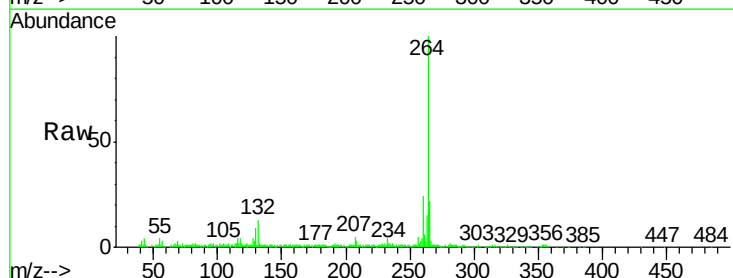
Manual Integrations
 APPROVED

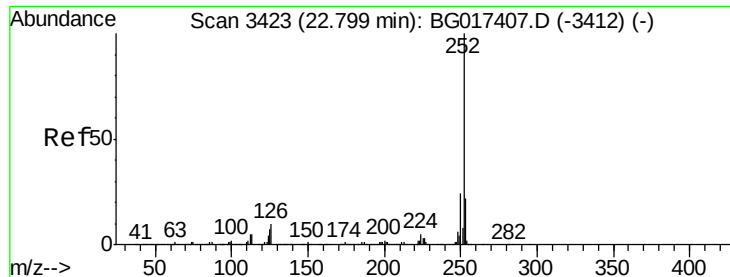
apatel
 6/9/2015 8:17:42 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.48 min Scan# 3539
 Delta R.T. 0.01 min
 Lab File: BG017531.D
 Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	18.2	27.4
265	22.1	15.8	23.6





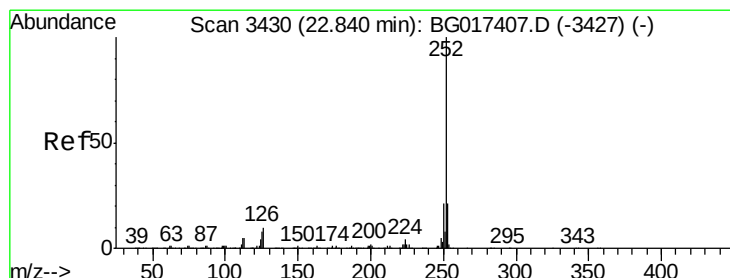
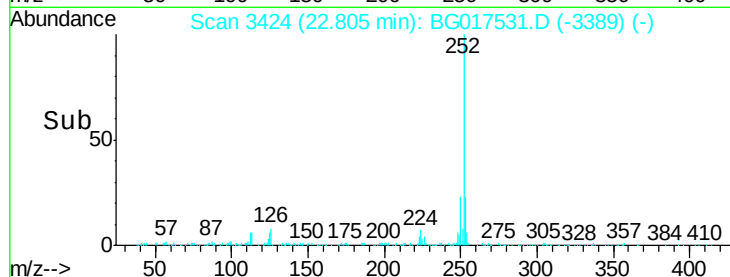
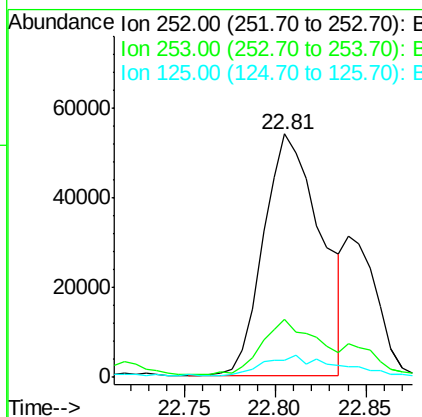
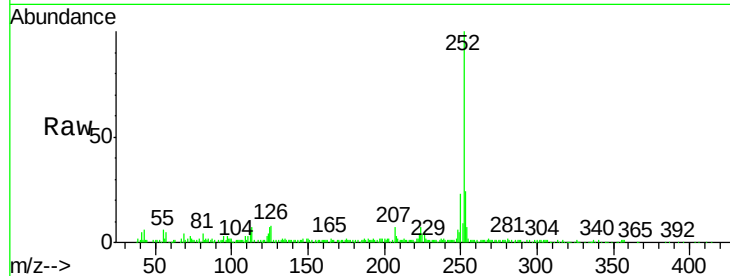
#87
Benzo(b)fluoranthene
Concen: 13.07 ng
RT: 22.81 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	6.9	5.8	8.8

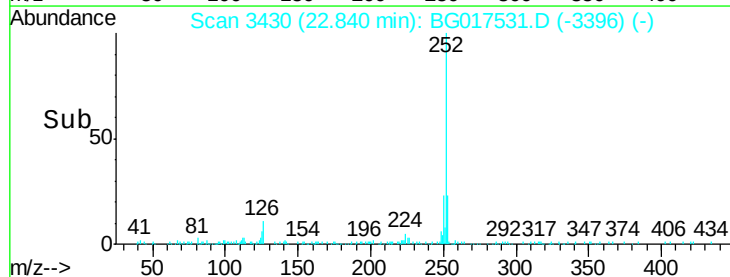
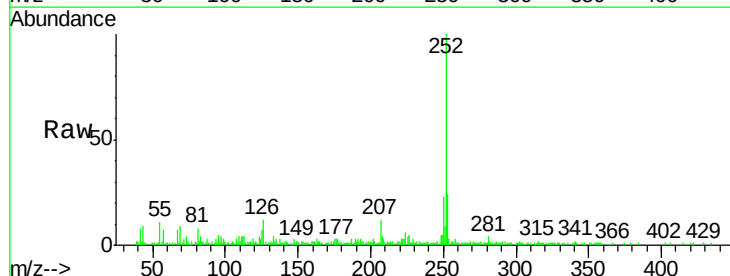
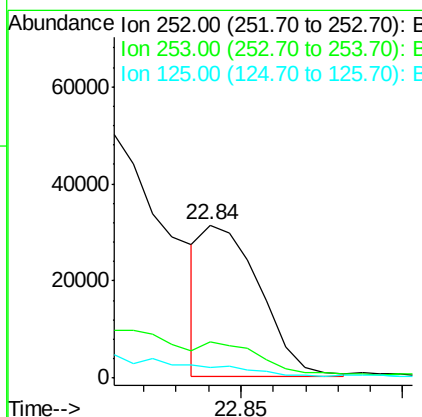
Manual Integrations
APPROVED

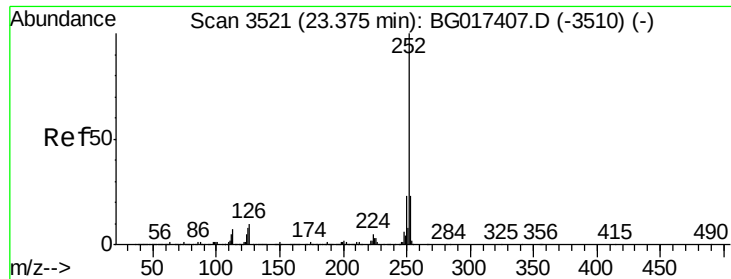
apatel
6/9/2015 8:17:42 AM



#88
Benzo(k)fluoranthene
Concen: 4.47 ng m
RT: 22.84 min Scan# 3430
Delta R.T. 0.00 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	7.2	6.5	9.7





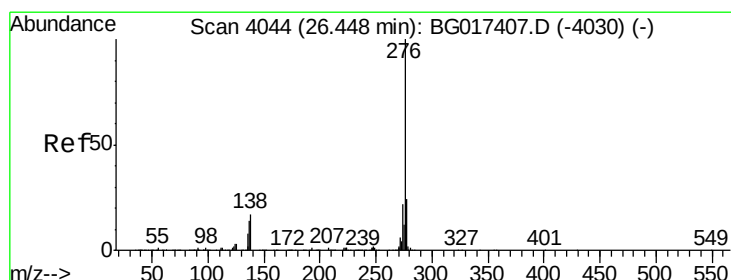
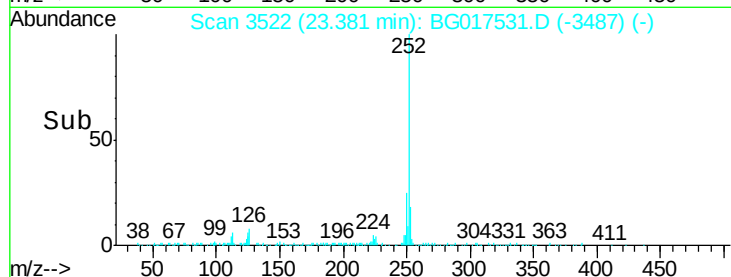
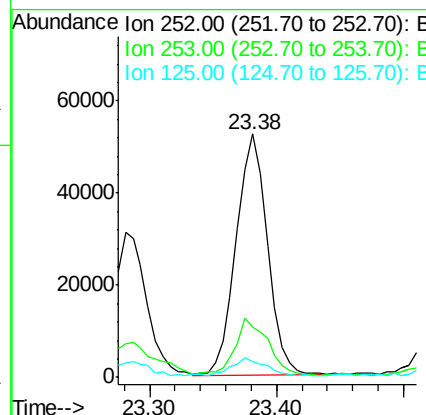
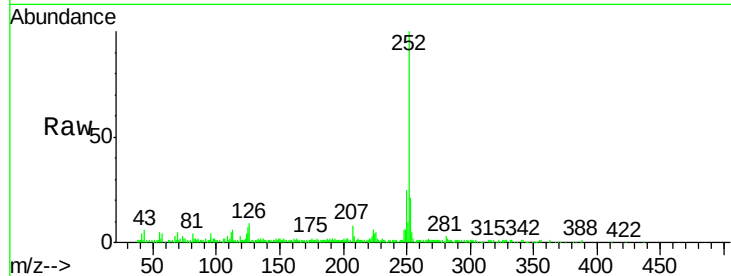
#89
Benzo(a)pyrene
Concen: 10.74 ng
RT: 23.38 min Scan# 3522
Delta R.T. 0.01 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Instrument :
BNA_G
ClientSampleId :
SP-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.8	18.1	27.1
125	6.7	6.5	9.7

Manual Integrations
APPROVED

apatel
6/9/2015 8:17:42 AM



#91
Benzo(g,h,i)perylene
Concen: 5.47 ng
RT: 26.47 min Scan# 4047
Delta R.T. 0.02 min
Lab File: BG017531.D
Acq: 7 Jun 2015 12:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	29.0	19.2	28.8#
138	15.0	13.5	20.3

