

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
 Data File : BG016947.D
 Acq On : 8 May 2015 7:05
 Operator : TP/IZ
 Sample : G2116-13
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-44D

Manual Integrations
 APPROVED

apatel
 5/8/2015 5:09:03 PM

Quant Time: May 08 08:00:51 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 07:19:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	69795	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	314392	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	194124	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	407874	20.00	ng	0.00
75) Chrysene-d12	21.36	240	402482	20.00	ng	0.00
86) Perylene-d12	23.66	264	397710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	516047	128.74	ng	0.00
7) Phenol-d6	6.96	99	724776	126.56	ng	0.00
23) Nitrobenzene-d5	8.96	82	475520	73.89	ng	0.00
41) 2,4,6-Tribromophenol	15.92	330	249100	127.82	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	897442	69.76	ng	0.00
78) Terphenyl-d14	19.81	244	1169555	68.12	ng	0.00
Target Compounds						
10) Phenol	6.99	94	19822	3.23	ng	Qvalue 97
49) Dimethylphthalate	13.89	163	67202	4.64	ng	98
70) Phenanthrene	17.22	178	121666	5.80	ng	98
74) Fluoranthene	19.24	202	137926	5.66	ng	99
77) Pyrene	19.60	202	125039	5.26	ng	99
80) Benzo(a)anthracene	21.34	228	64212	2.97	ng	96
82) Chrysene	21.39	228	57142	2.83	ng	98
83) Bis(2-ethylhexyl)phthalate	21.28	149	115148	7.46	ng	99
87) Benzo(b)fluoranthene	22.96	252	62821	2.84	ng	# 91
89) Benzo(a)pyrene	23.56	252	53267	2.58	ng	# 89

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

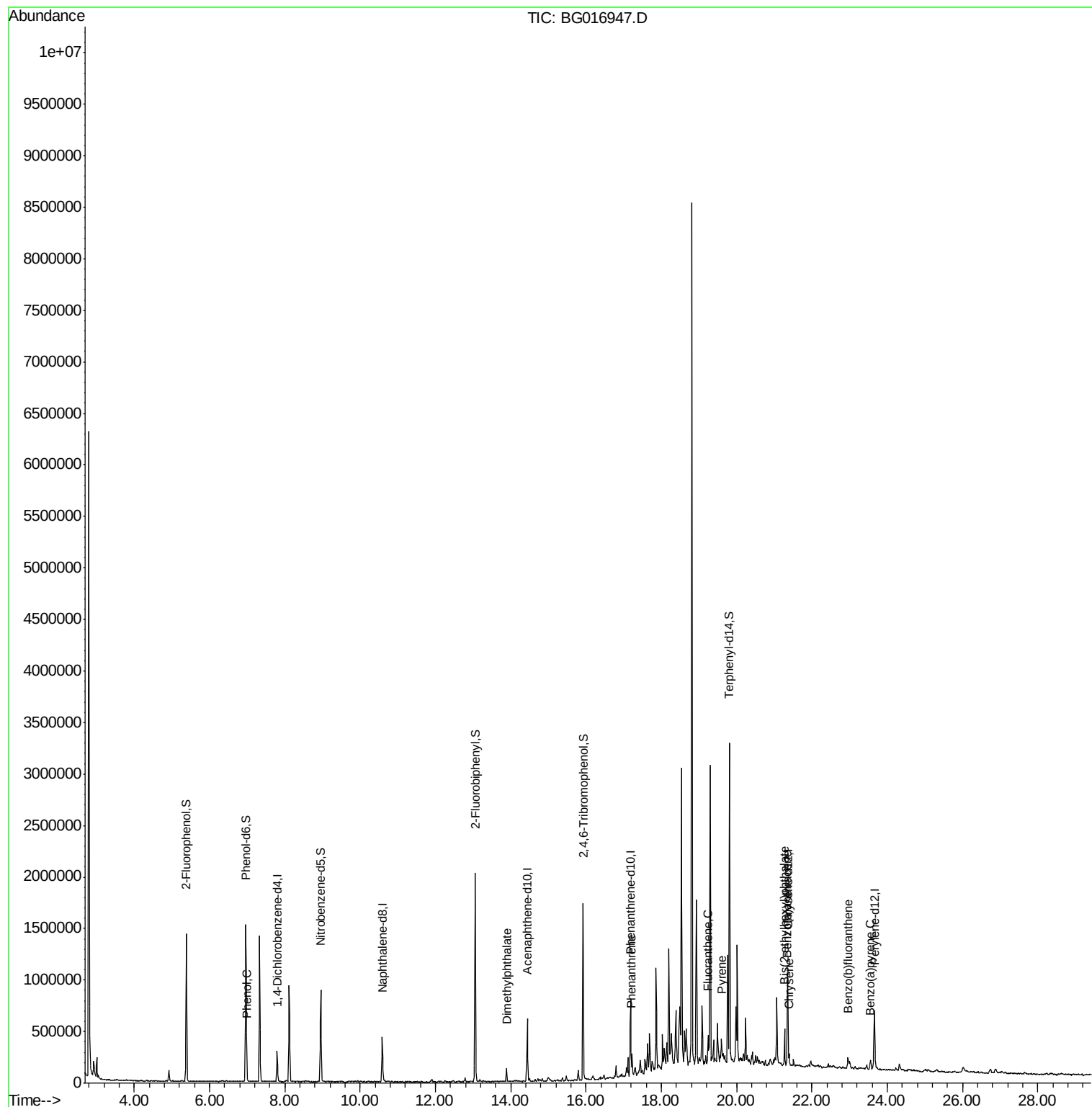
Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
Data File : BG016947.D
Acq On : 8 May 2015 7:05
Operator : TP/IZ
Sample : G2116-13
Misc :
ALS Vial : 33 Sample Multiplier: 1

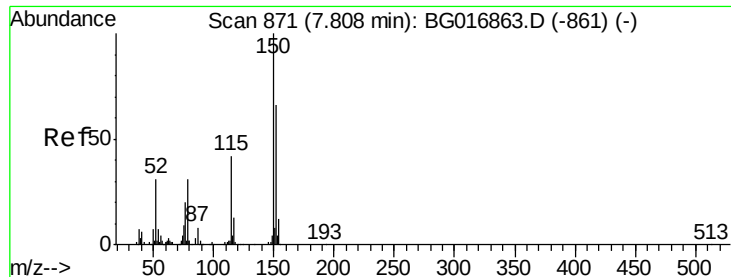
Instrument :
BNA_G
ClientSampleId :
SB-44D

Manual Integrations
APPROVED

apatel
5/8/2015 5:09:03 PM

Quant Time: May 08 08:00:51 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 07:19:54 2015
Response via : Initial Calibration





#1

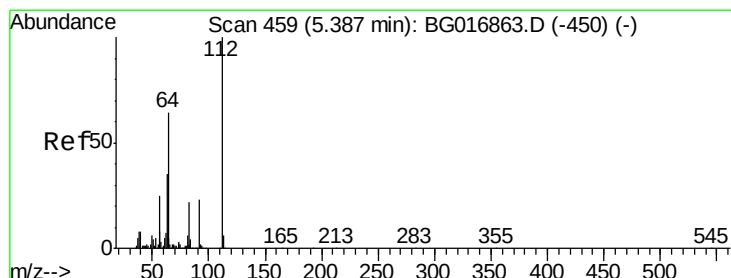
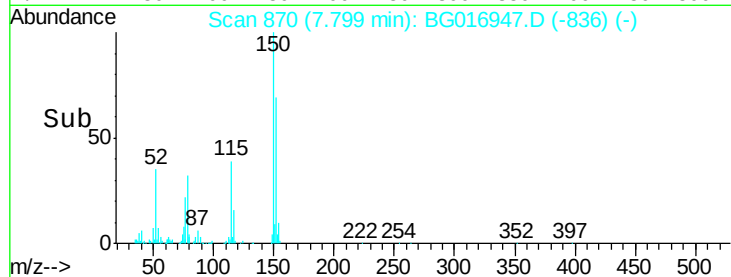
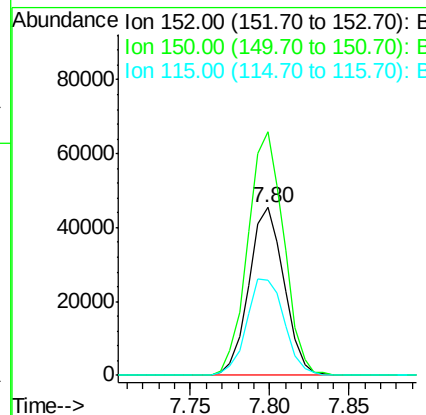
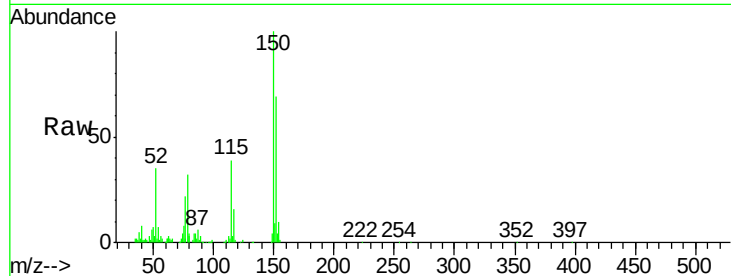
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.80 min Scan# 870
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.4	121.0	181.4
115	56.5	50.5	75.7

Manual Integrations
APPROVED

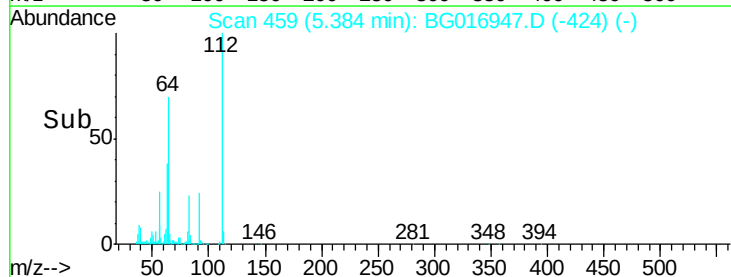
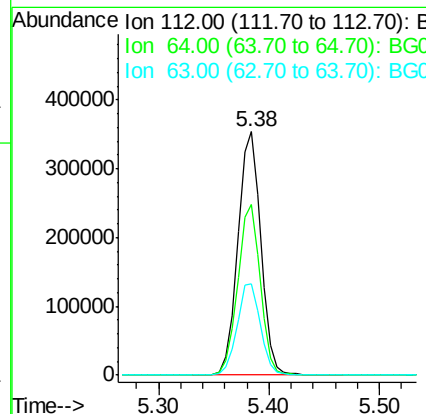
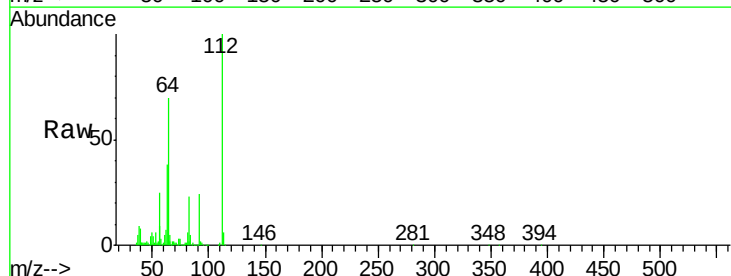
apatel
5/8/2015 5:09:03 PM

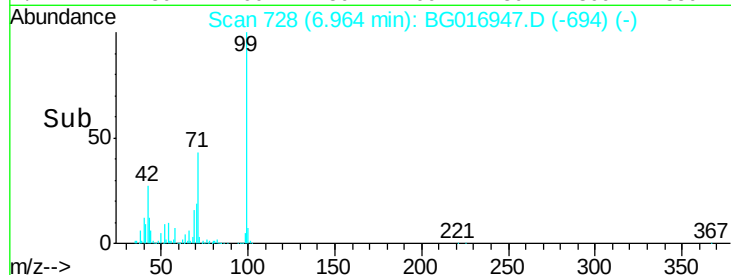
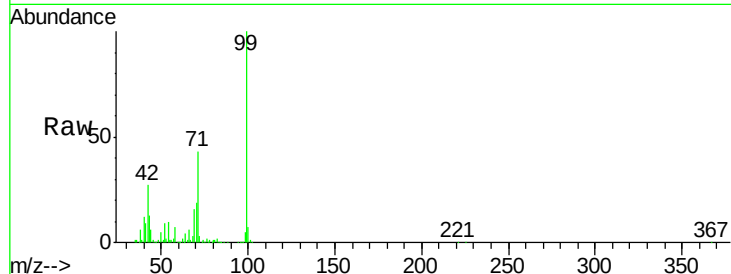
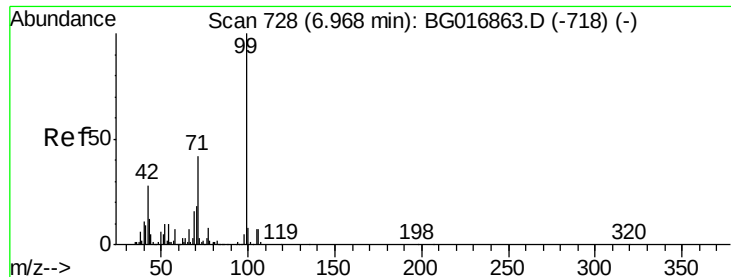


#5

2-Fluorophenol
Concen: 128.74 ng
RT: 5.38 min Scan# 459
Delta R.T. 0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	51.4	77.2
63	37.6	28.1	42.1





#7

Phenol-d6

Concen: 126.56 ng

RT: 6.96 min Scan# 728

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		724776		
42	26.7	22.1	33.1		
71	42.8	33.4	50.0		

Instrument :

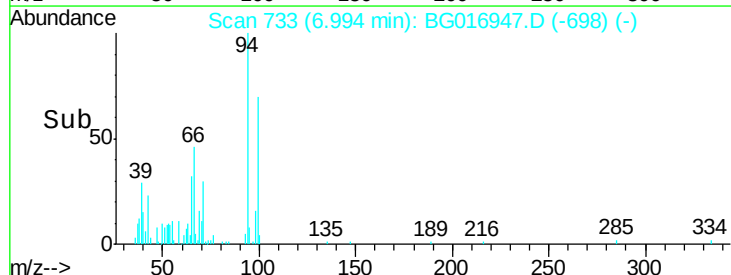
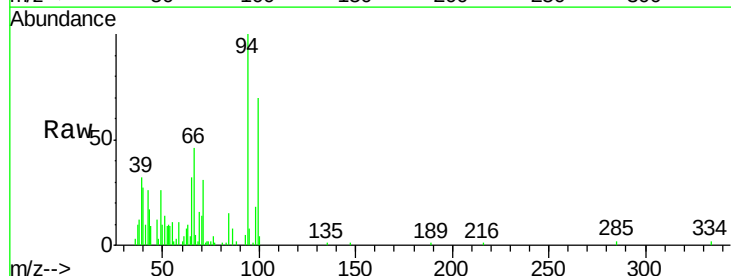
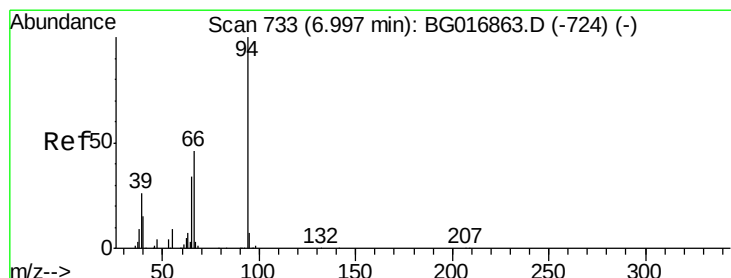
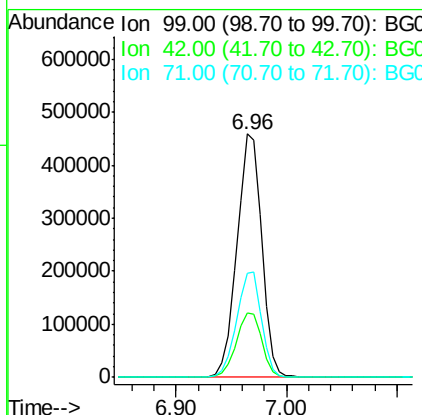
BNA_G

ClientSampleId :

SB-44D

Manual Integrations
APPROVED

apatel
5/8/2015 5:09:03 PM



#10

Phenol

Concen: 3.23 ng

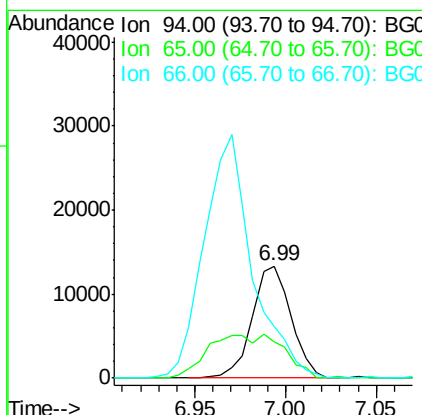
RT: 6.99 min Scan# 733

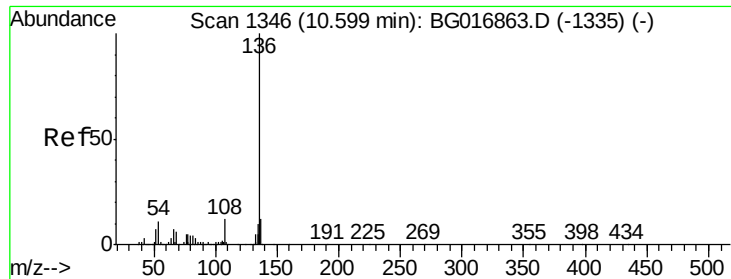
Delta R.T. 0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		19822		
65	32.3	14.3	54.3		
66	45.6	26.9	66.9		





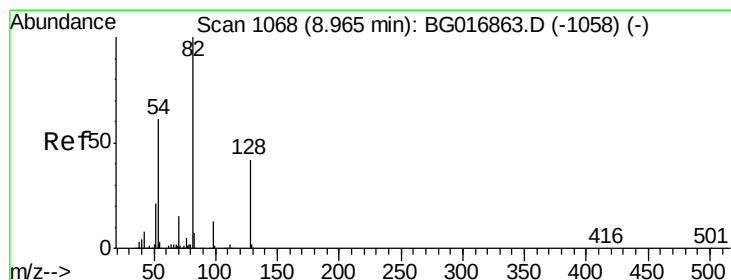
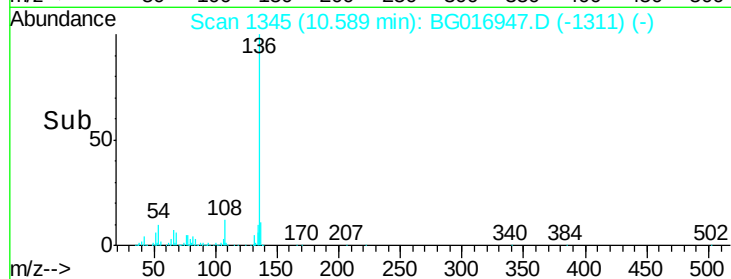
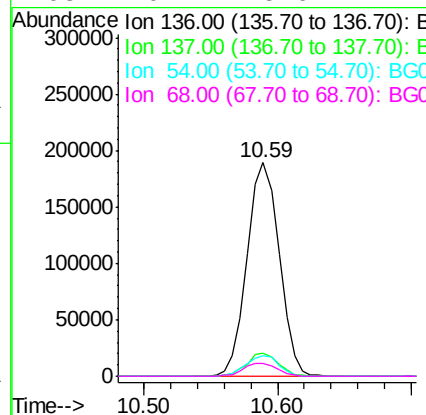
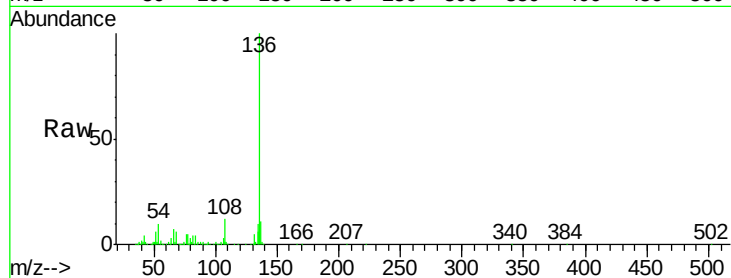
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		314392		
137	10.6		9.8	14.8	
54	9.6		8.7	13.1	
68	6.1		5.0	7.4	

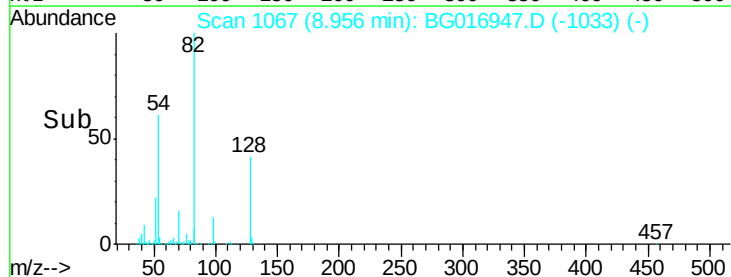
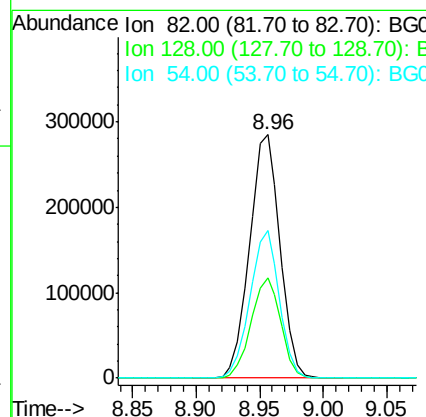
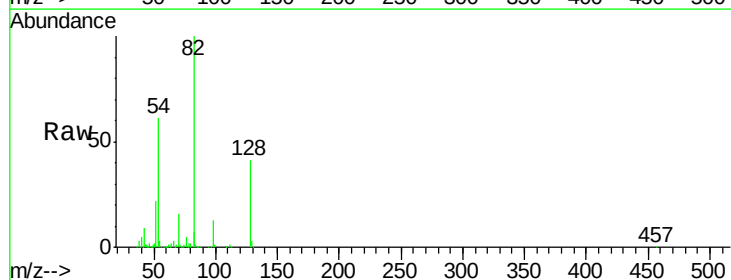
Manual Integrations
APPROVED

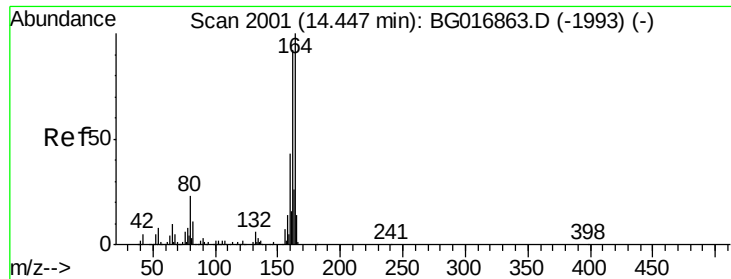
apatel
5/8/2015 5:09:03 PM



#23
Nitrobenzene-d5
Concen: 73.89 ng
RT: 8.96 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		475520		
128	41.0		33.2	49.8	
54	60.8		48.6	72.8	





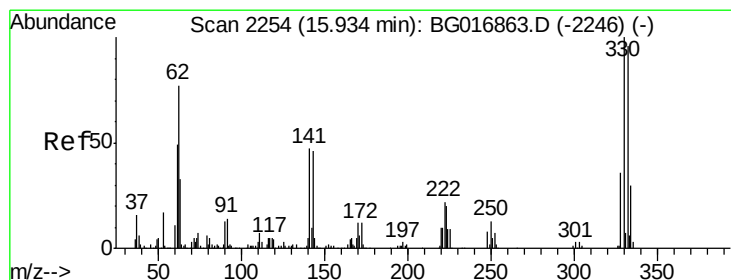
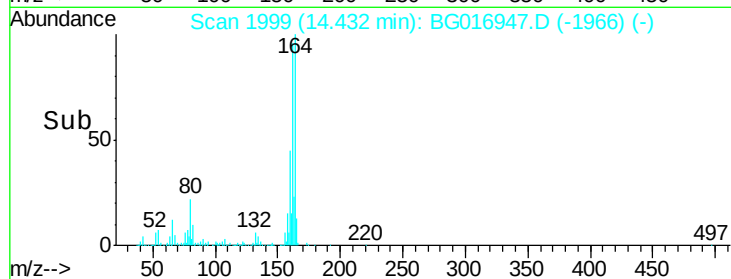
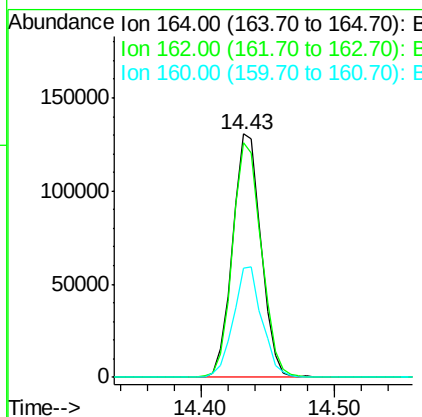
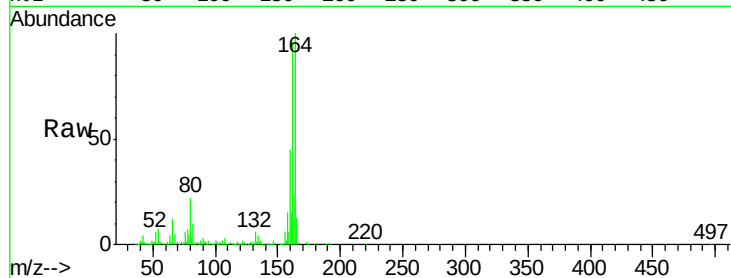
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.43 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.2	74.0	111.0
160	44.7	34.7	52.1

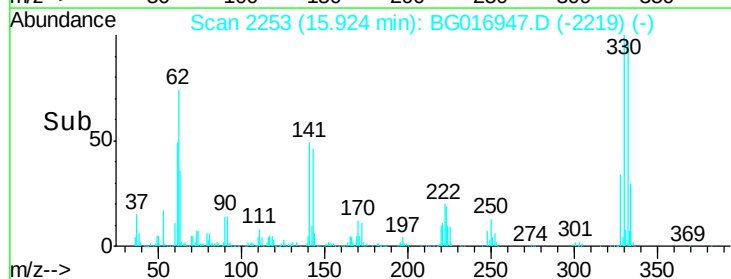
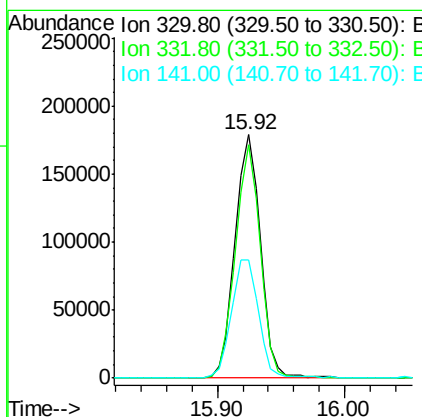
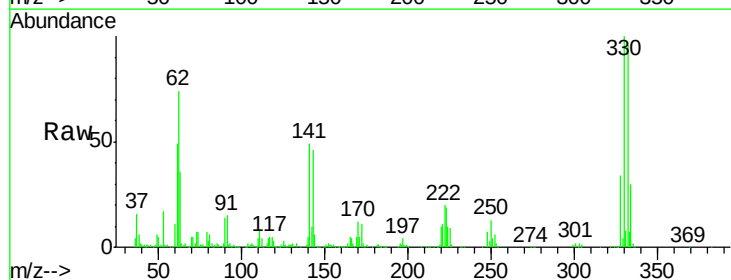
Manual Integrations
APPROVED

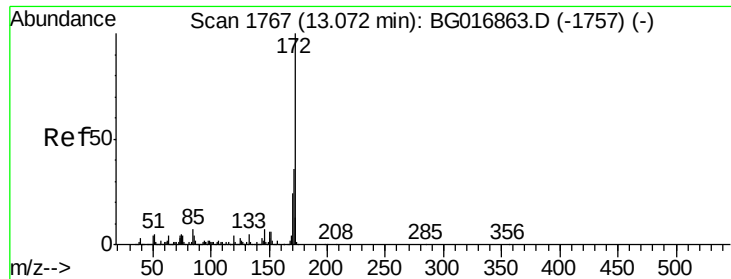
apatel
5/8/2015 5:09:03 PM



#41
2,4,6-Tribromophenol
Concen: 127.82 ng
RT: 15.92 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.6	0.0	0.0#
141	52.3	0.0	0.0#





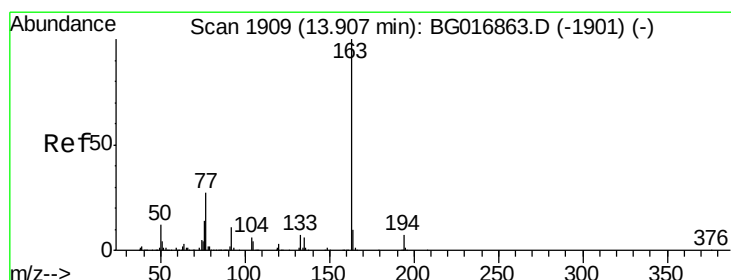
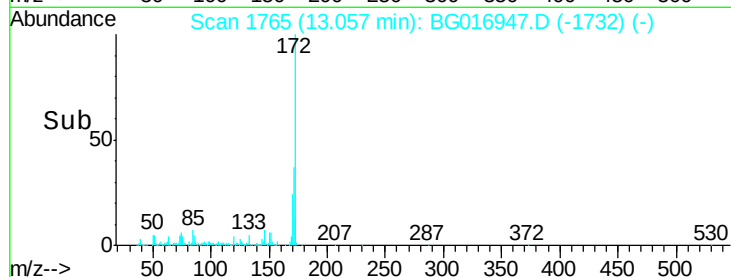
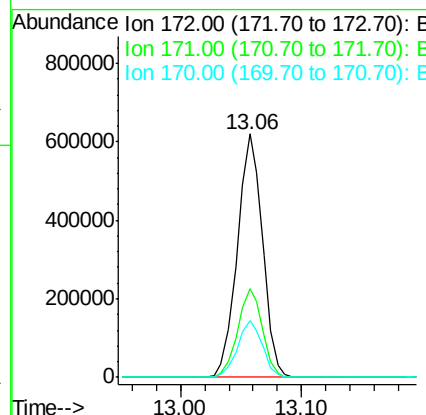
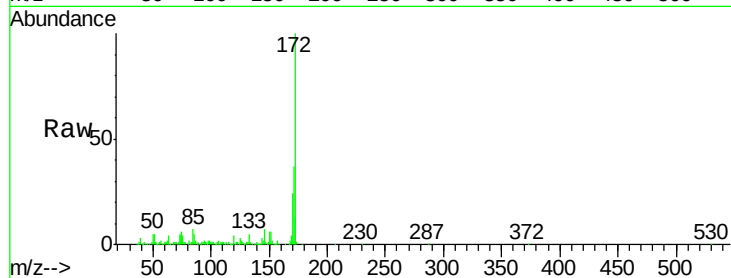
#44
2-Fluorobiphenyl
Concen: 69.76 ng
RT: 13.06 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	23.5	19.0	28.4

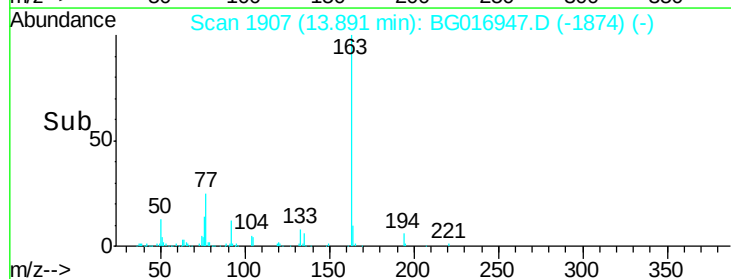
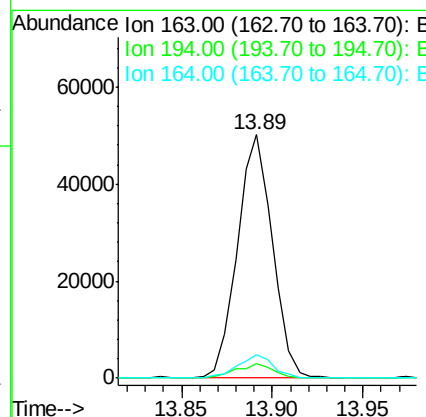
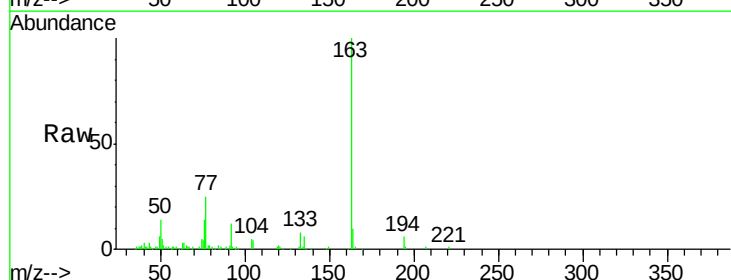
Manual Integrations
APPROVED

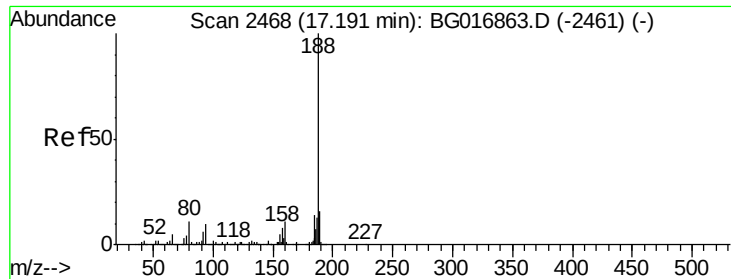
apatel
5/8/2015 5:09:03 PM



#49
Dimethylphthalate
Concen: 4.64 ng
RT: 13.89 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.2	5.2	7.8
164	9.6	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.18 min Scan# 2467

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

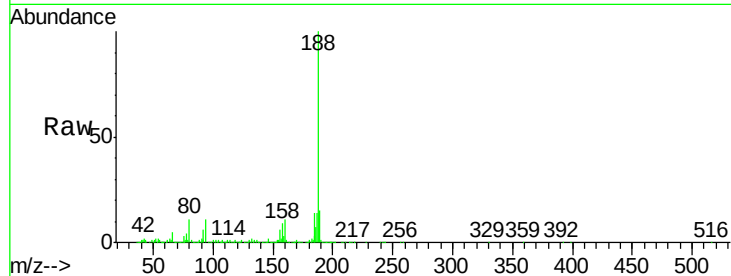
ClientSampleId :

SB-44D

Tot Ion:	188	Resp:	407874
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.2	12.4
80	11.2	8.8	13.2

Manual Integrations
APPROVED

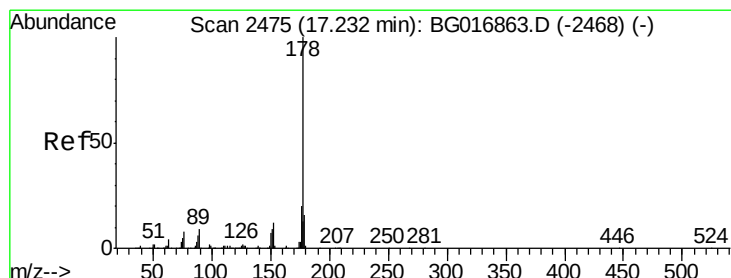
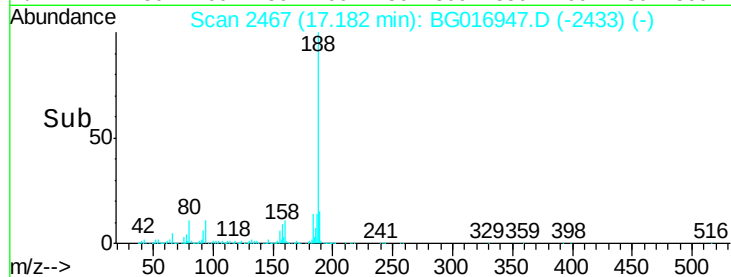
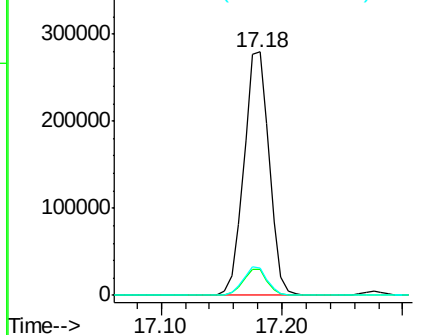
apatel
5/8/2015 5:09:03 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#70

Phenanthrene

Concen: 5.80 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG016947.D

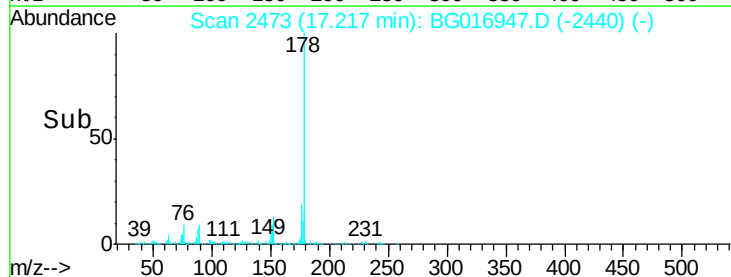
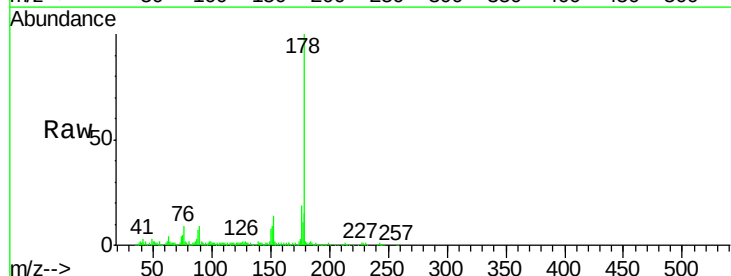
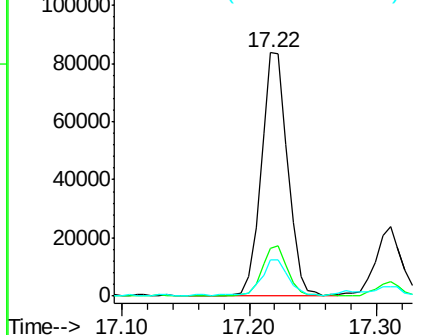
Acq: 8 May 2015 7:05

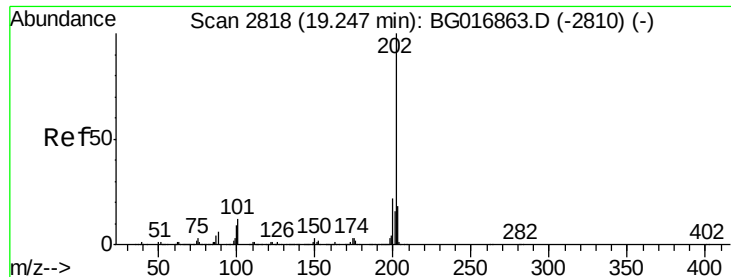
Tgt Ion:	178	Resp:	121666
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.0	24.0
179	14.8	13.0	19.6

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: 5.66 ng

RT: 19.24 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

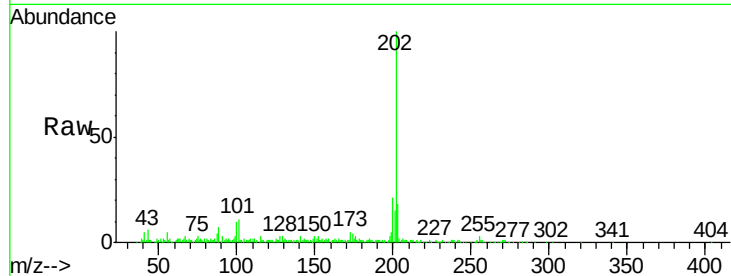
ClientSampleId :

SB-44D

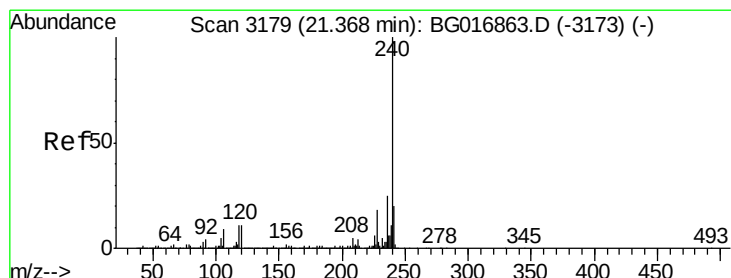
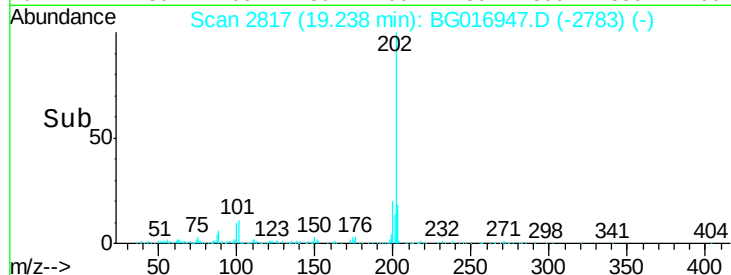
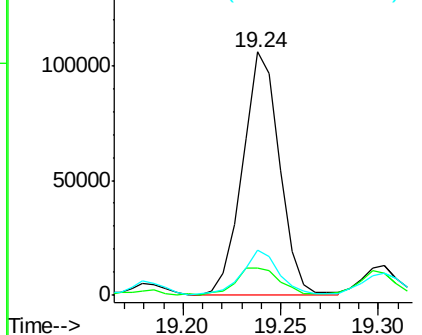
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.0	0.0	31.5		
203	18.3	0.0	38.1		

Manual Integrations
APPROVED

apatel
5/8/2015 5:09:03 PM



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

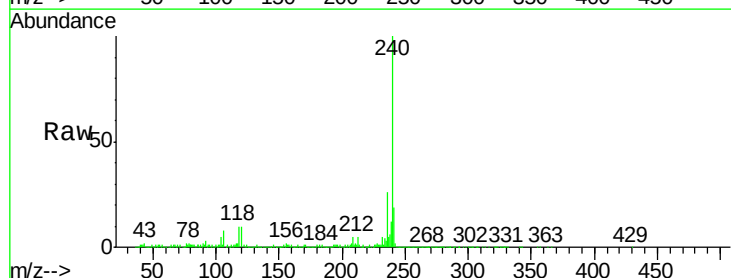
RT: 21.36 min Scan# 3178

Delta R.T. 0.00 min

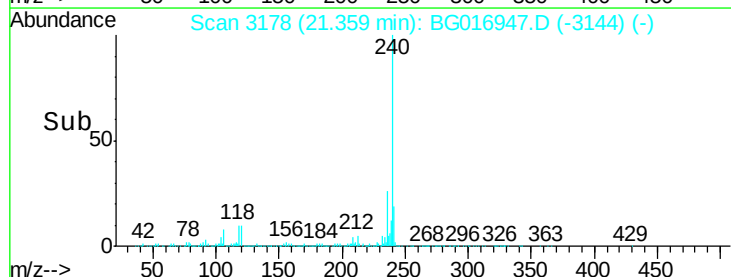
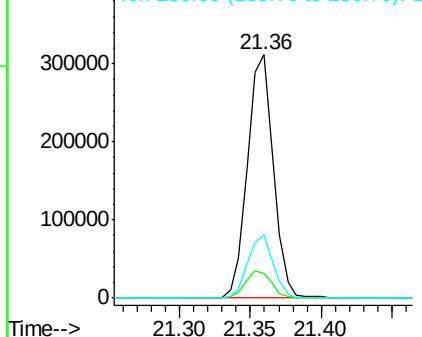
Lab File: BG016947.D

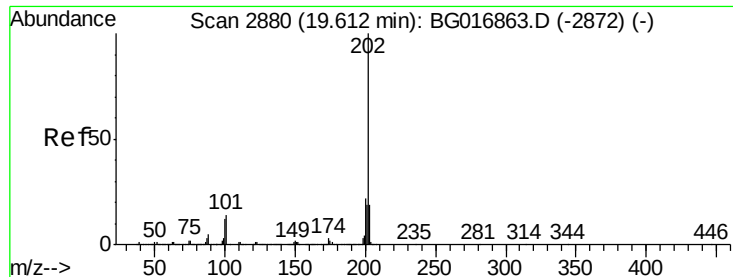
Acq: 8 May 2015 7:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.4	9.1	13.7		
236	25.9	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: 5.26 ng

RT: 19.60 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

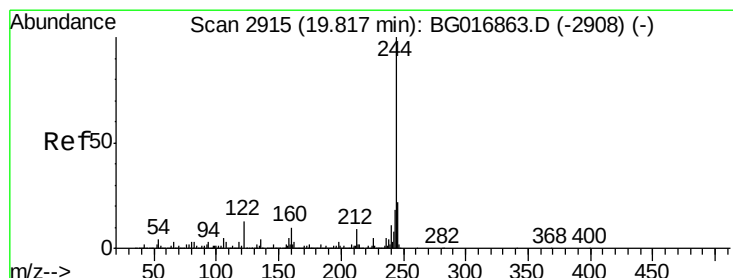
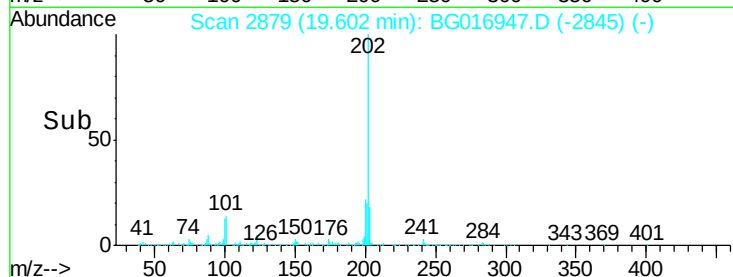
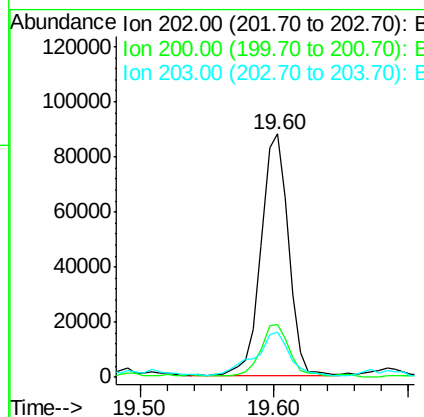
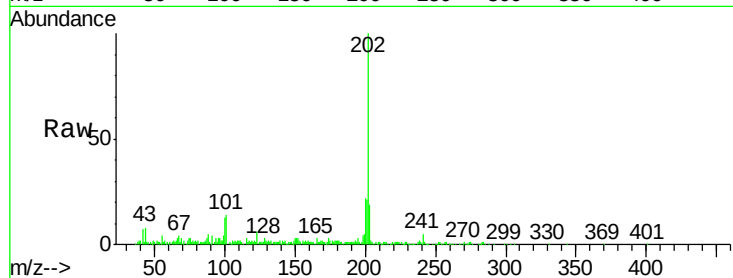
ClientSampleId :

SB-44D

Tot Ion:	202	Resp:	125039
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.9	26.9
203	18.5	15.2	22.8

Manual Integrations
APPROVED

apatel
5/8/2015 5:09:03 PM



#78

Terphenyl-d14

Concen: 68.12 ng

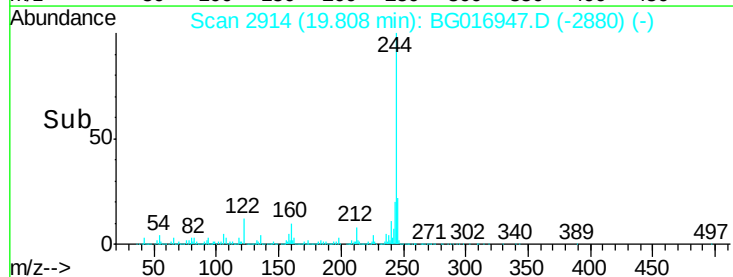
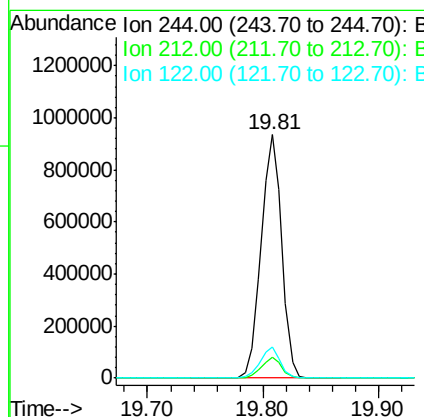
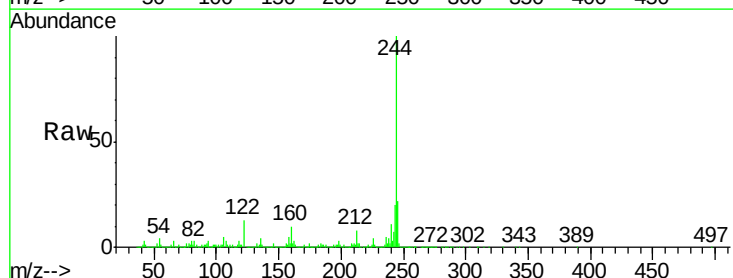
RT: 19.81 min Scan# 2914

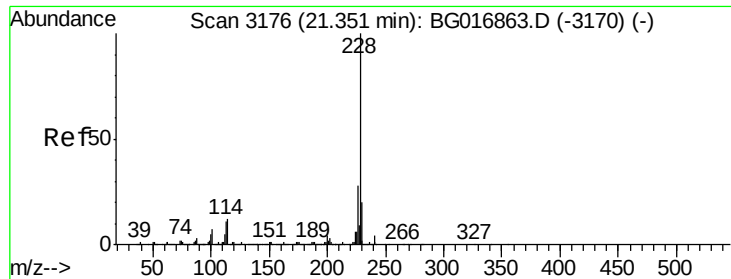
Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Tgt Ion:	244	Resp:	1169555
Ion Ratio		Lower	Upper
244	100		
212	8.4	7.0	10.6
122	12.5	10.4	15.6





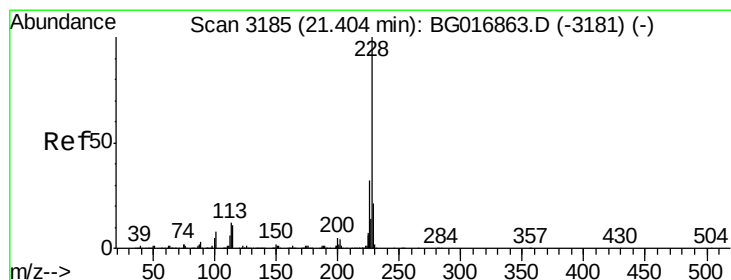
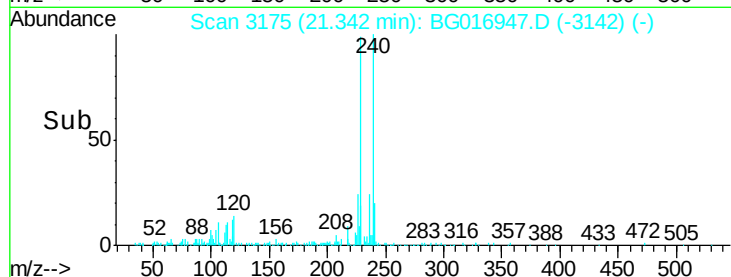
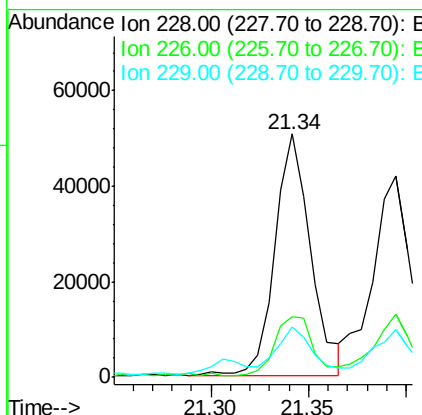
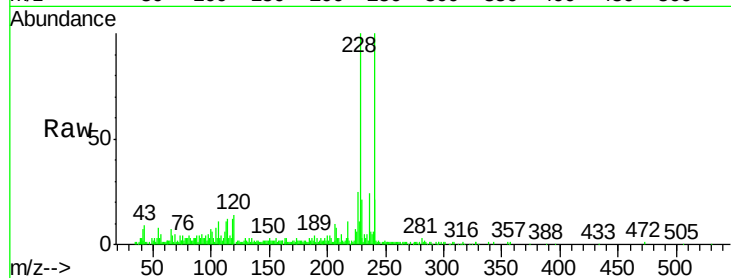
#80
Benzo(a)anthracene
Concen: 2.97 ng
RT: 21.34 min Scan# 3175
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.7	34.1
229	20.6	16.1	24.1

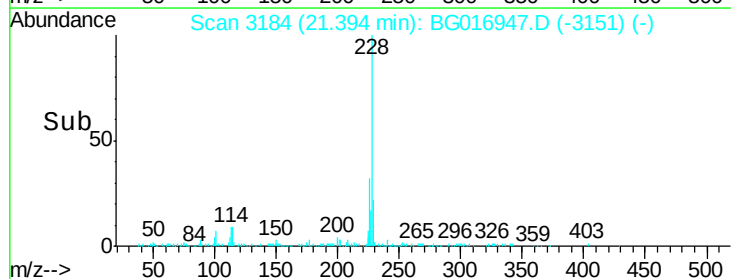
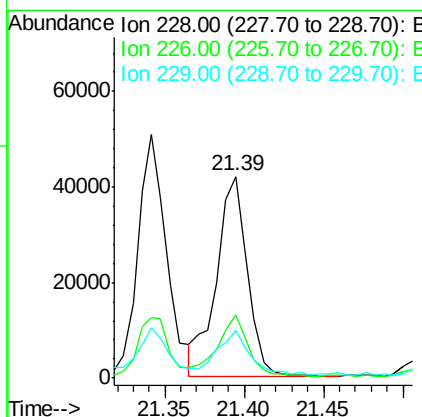
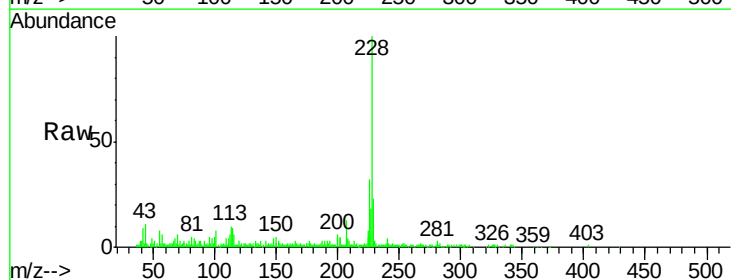
Manual Integrations
APPROVED

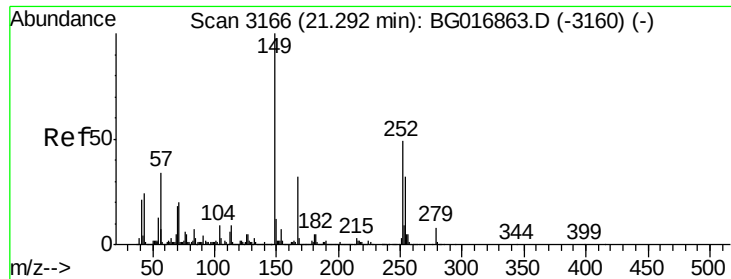
apatel
5/8/2015 5:09:03 PM



#82
Chrysene
Concen: 2.83 ng
RT: 21.39 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.0
229	23.4	16.5	24.7





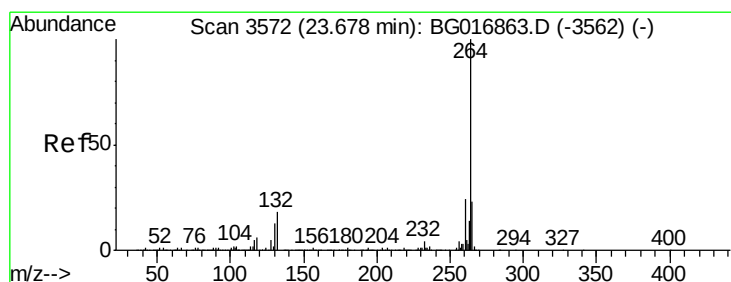
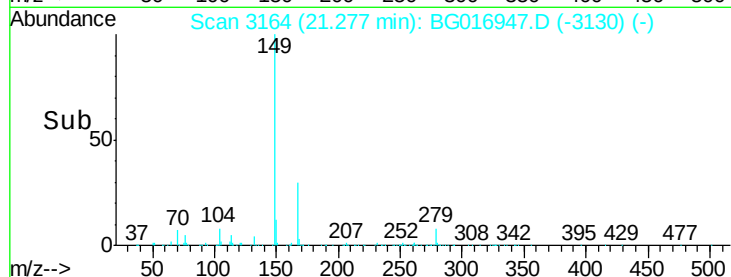
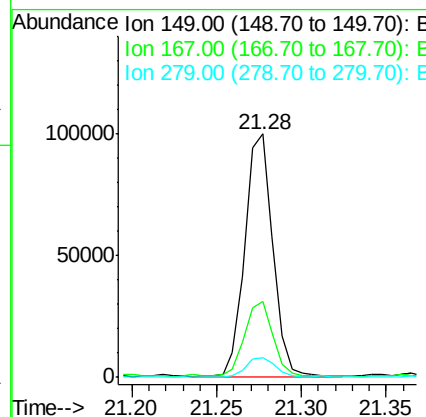
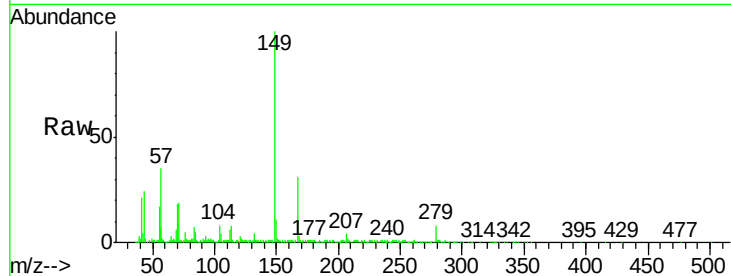
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.46 ng
 RT: 21.28 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

Instrument :
 BNA_G
 ClientSampleID :
 SB-44D

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	31.2	25.4	38.0	
279	8.1	6.4	9.6	

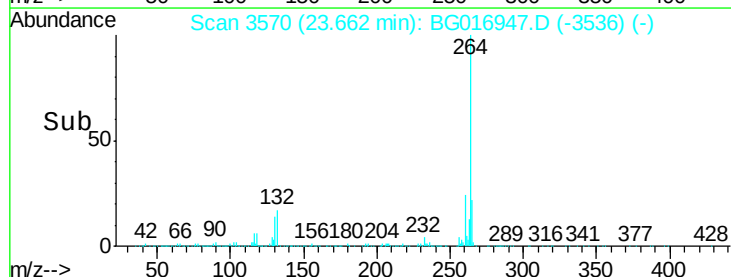
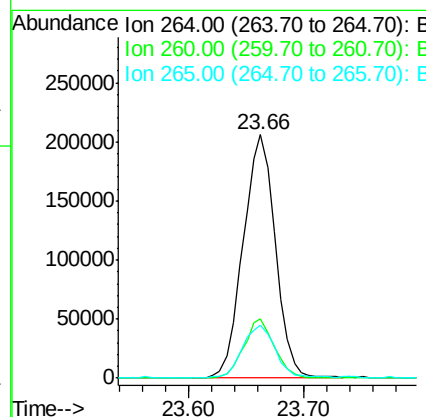
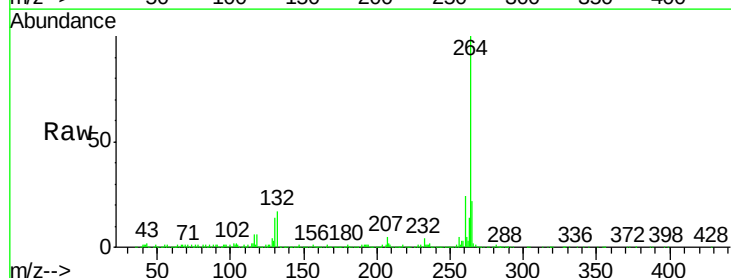
Manual Integrations
 APPROVED

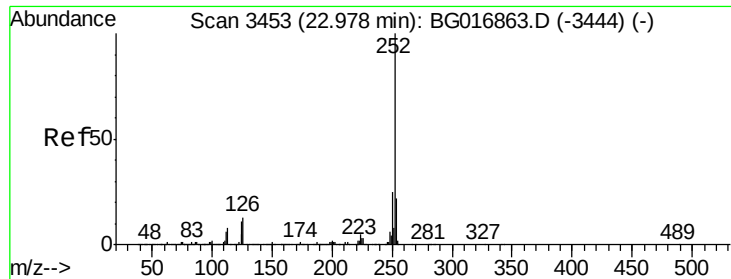
apatel
 5/8/2015 5:09:03 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.66 min Scan# 3570
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.5	29.3	
265	21.7	18.5	27.7	





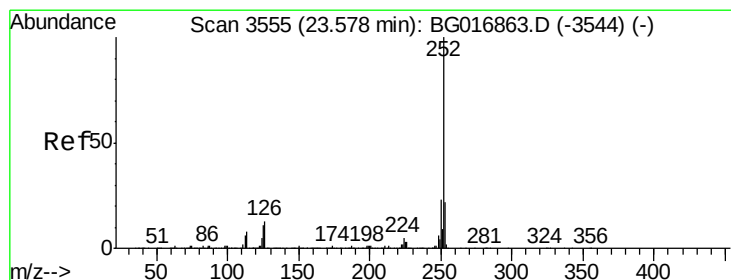
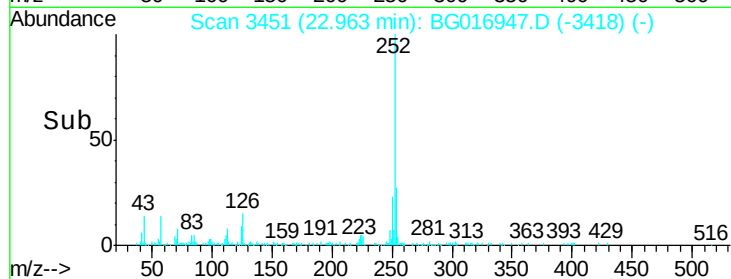
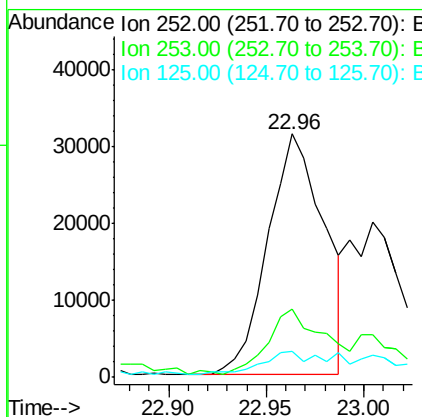
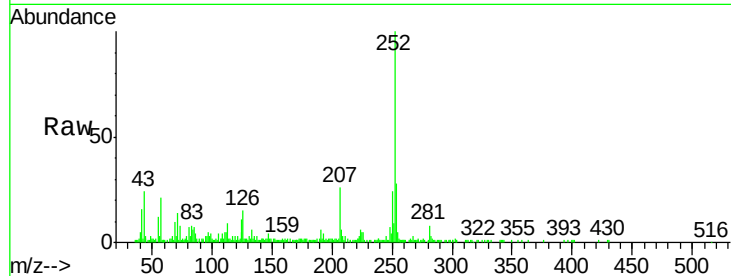
#87
Benzo(b)fluoranthene
Concen: 2.84 ng
RT: 22.96 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.4	26.0#
125	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
5/8/2015 5:09:03 PM



#89
Benzo(a)pyrene
Concen: 2.58 ng
RT: 23.56 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.7	26.5#
125	14.1	8.5	12.7#

