

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021683.D
 Acq On : 15 Apr 2016 12:01
 Operator : UM/SJ
 Sample : H2412-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5W(0-2)

Manual Integrations
 APPROVED

Sohil
 4/15/2016 4:44:55 PM

Quant Time: Apr 15 16:20:22 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	48050	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	206545	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	113072	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	232259	20.00	ng	0.00
75) Chrysene-d12	21.83	240	255465	20.00	ng	0.00
86) Perylene-d12	25.16	264	257744	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	423489	146.77	ng	0.01
7) Phenol-d6	7.37	99	595594	138.19	ng	0.00
23) Nitrobenzene-d5	9.38	82	372227	92.63	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	174491	143.19	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	612257	79.34	ng	0.00
78) Terphenyl-d14	20.14	244	684495	66.86	ng	0.00
Target Compounds						
31) Naphthalene	11.08	128	22772	2.06	ng	Qvalue # 95
49) Dimethylphthalate	14.27	163	133822	13.69	ng	99
70) Phenanthrene	17.60	178	186859	14.60	ng	99
71) Anthracene	17.69	178	48080	3.70	ng	97
74) Fluoranthene	19.59	202	315197	20.62	ng	99
77) Pyrene	19.95	202	277205	18.82	ng	99
80) Benzo(a)anthracene	21.81	228	171038	11.63	ng	100
82) Chrysene	21.87	228	157057	11.12	ng	98
85) Indeno(1,2,3-cd)pyrene	28.98	276	83307	4.96	ng	# 86
87) Benzo(b)fluoranthene	24.10	252	210196	14.05	ng	95
88) Benzo(k)fluoranthene	24.17	252	77405m	5.29	ng	
89) Benzo(a)pyrene	25.01	252	157667	10.88	ng	97
91) Benzo(g,h,i)perylene	30.16	276	79290	5.56	ng	96

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

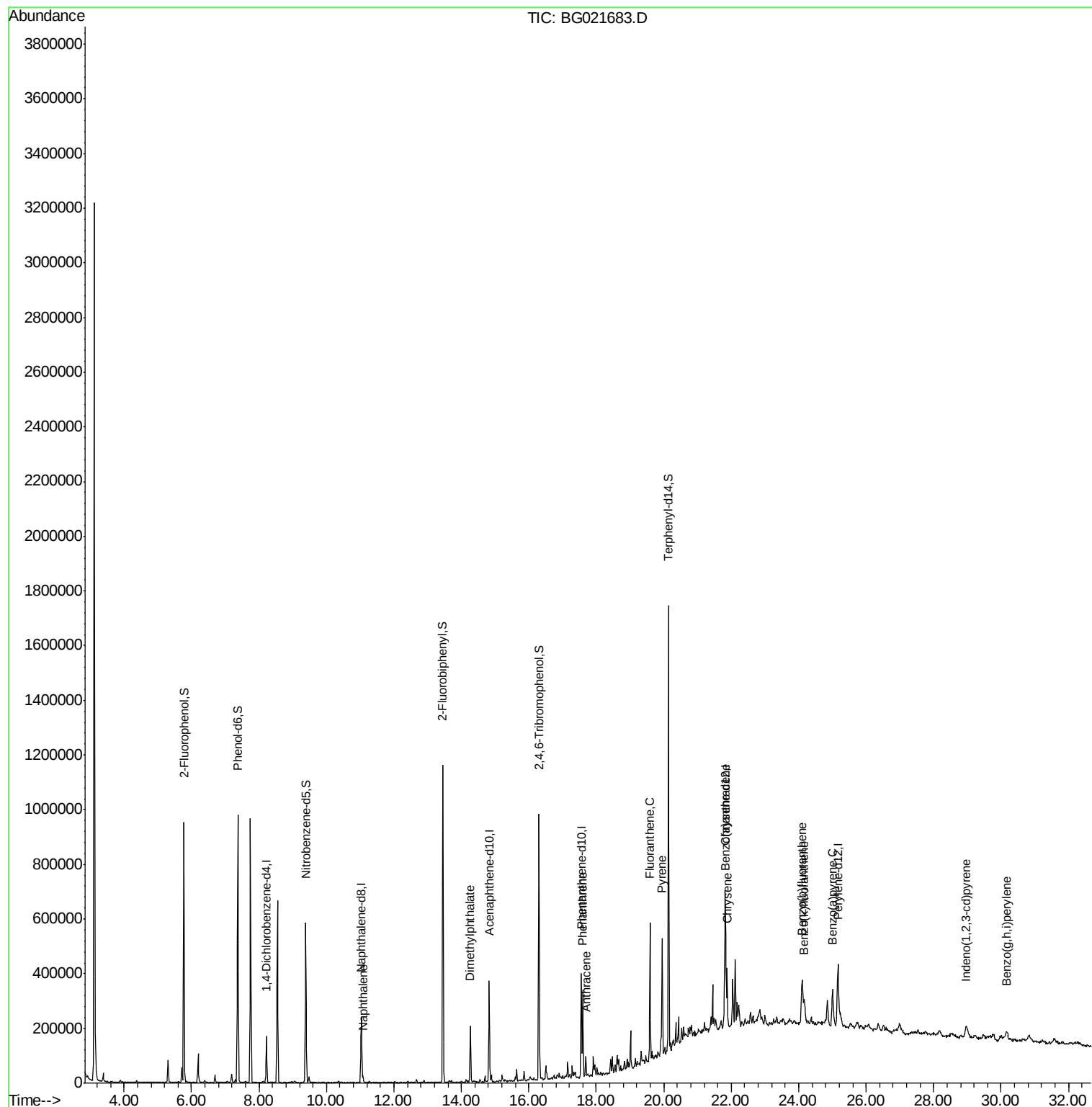
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021683.D
Acq On : 15 Apr 2016 12:01
Operator : UM/SJ
Sample : H2412-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM

Quant Time: Apr 15 16:20:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration





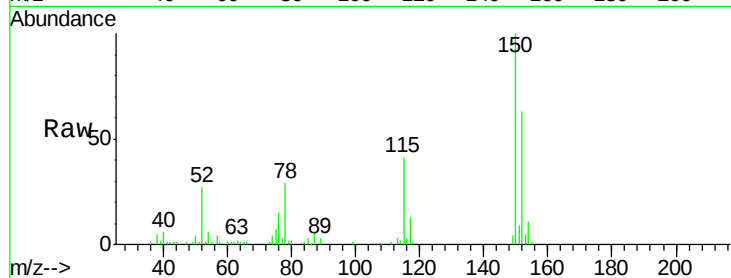
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.22 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BG021683.D
 Acq: 15 Apr 2016 12:01

Instrument :
 BNA_G
 ClientSampleId :
 SP-5W(0-2)

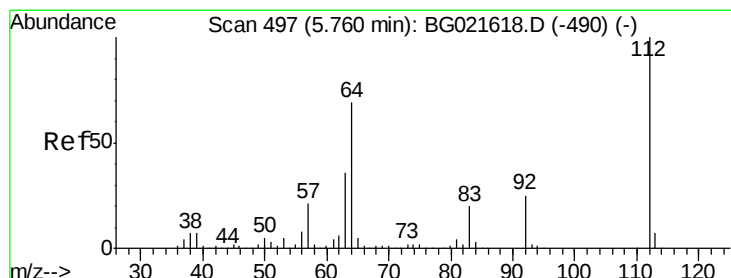
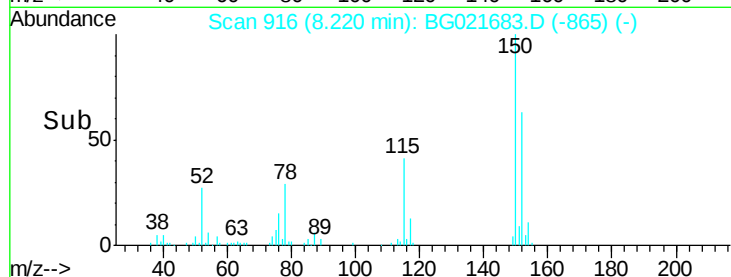
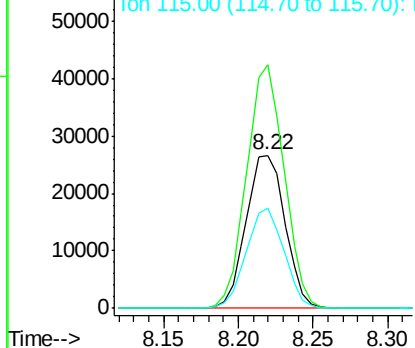
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.4	130.1	195.1
115	65.6	62.2	93.2

Manual Integrations
 APPROVED

Sohil
 4/15/2016 4:44:55 PM

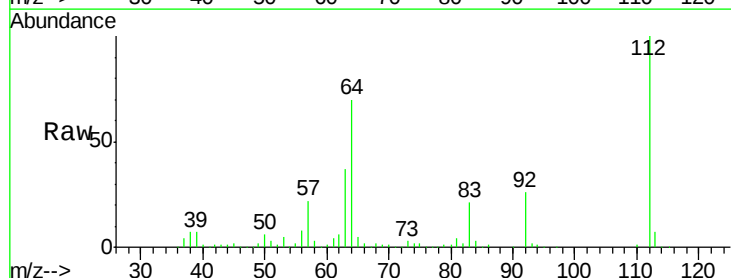


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

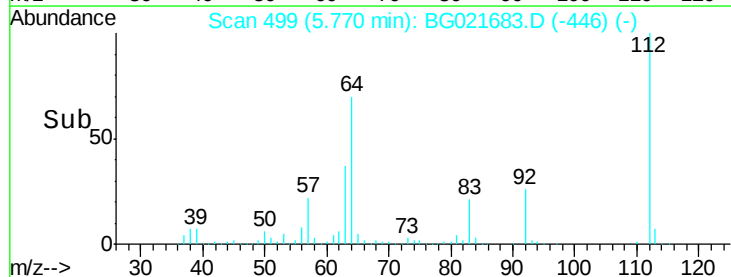
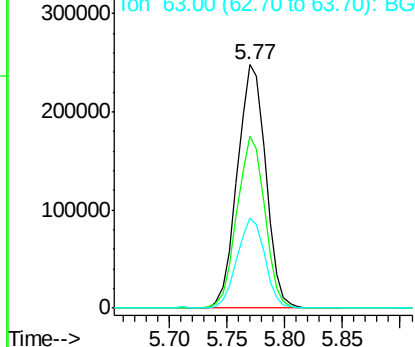


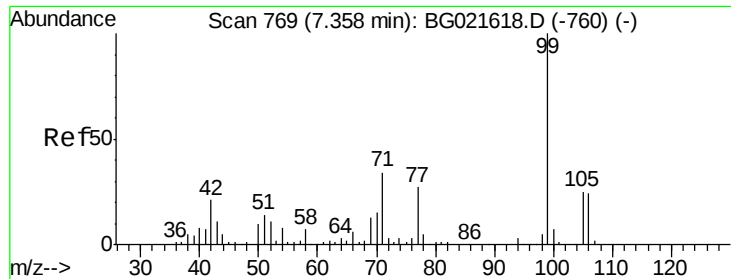
#5
 2-Fluorophenol
 Concen: 146.77 ng
 RT: 5.77 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: BG021683.D
 Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	51.1	76.7
63	36.7	24.6	37.0



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





#7

Phenol-d6

Concen: 138.19 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021683.D

Acq: 15 Apr 2016 12:01

Instrument :

BNA_G

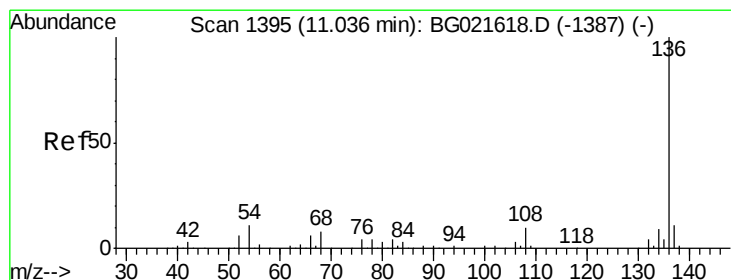
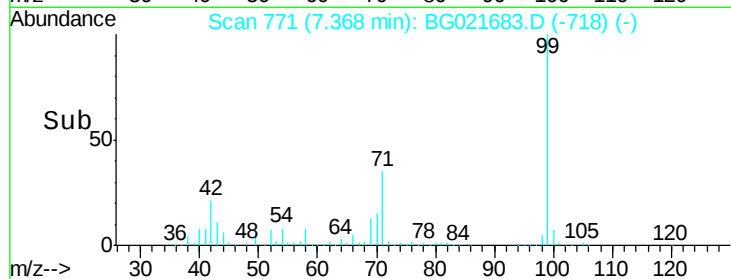
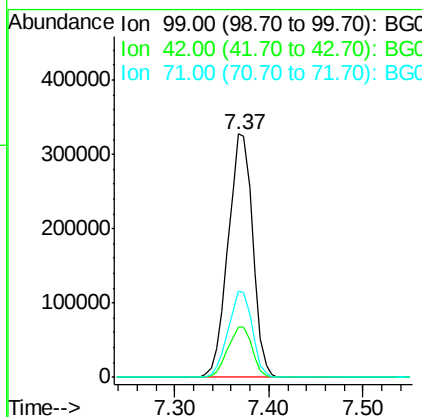
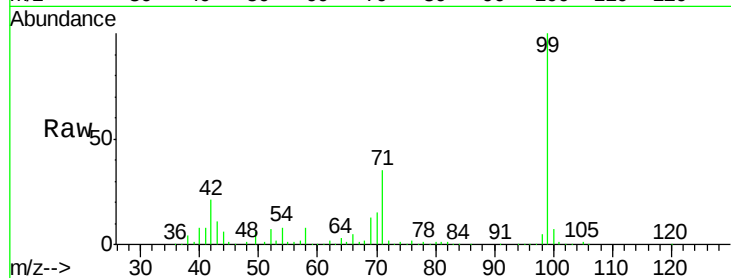
ClientSampleId :

SP-5W(0-2)

Tgt Ion:	99	Resp:	595594
Ion Ratio	Lower	Upper	
99	100		
42	20.8	16.4	24.6
71	35.3	25.0	37.4

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM



#21

Naphthalene-d8

Concen: 20.00 ng

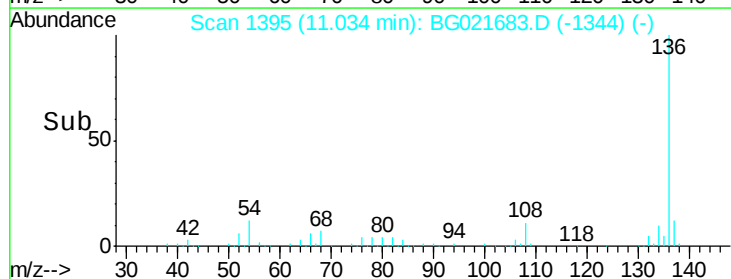
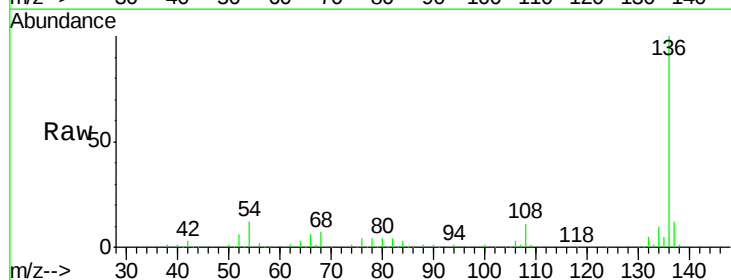
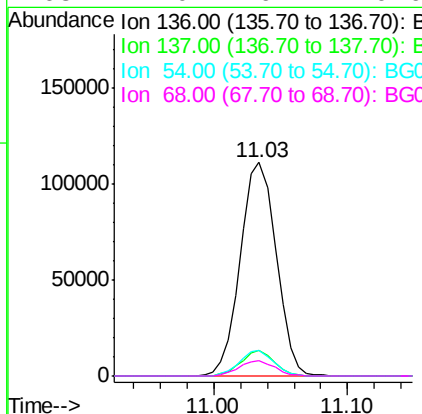
RT: 11.03 min Scan# 1395

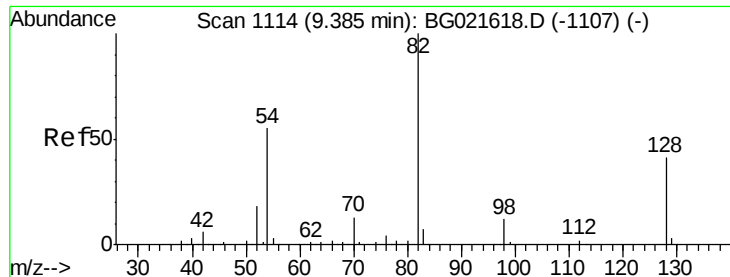
Delta R.T. -0.00 min

Lab File: BG021683.D

Acq: 15 Apr 2016 12:01

Tgt Ion:	136	Resp:	206545
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.4
54	11.8	9.6	14.4
68	7.0	6.4	9.6





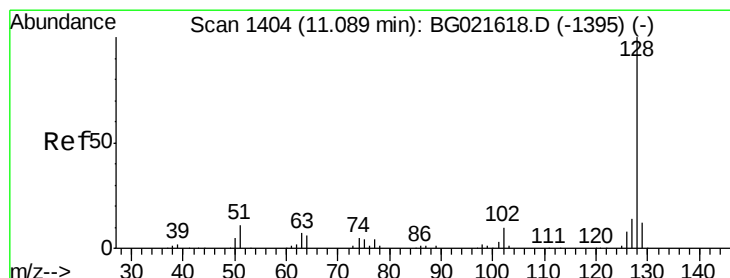
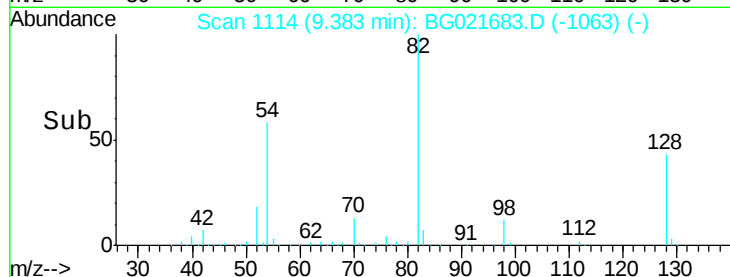
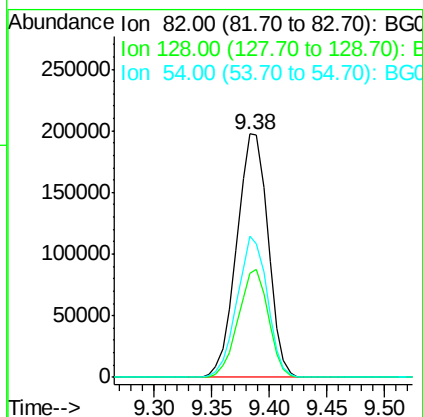
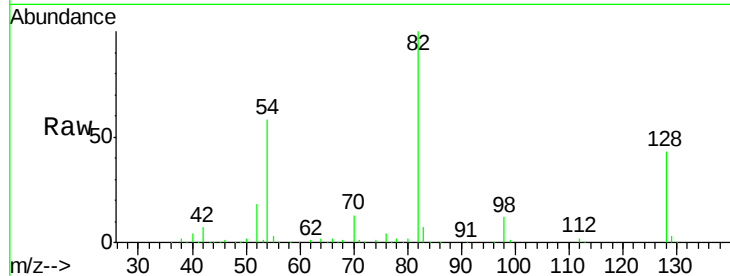
#23
Nitrobenzene-d5
Concen: 92.63 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	372227		
128	42.9	33.4	50.0	
54	58.2	46.1	69.1	

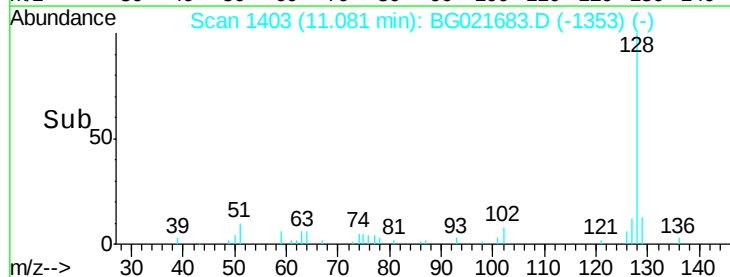
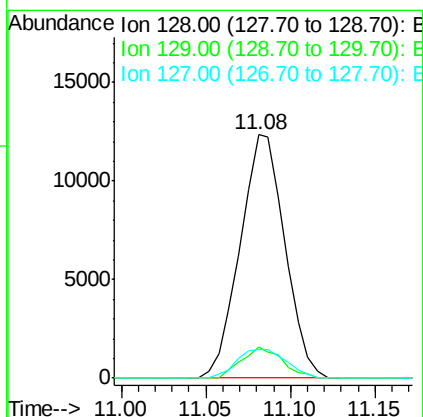
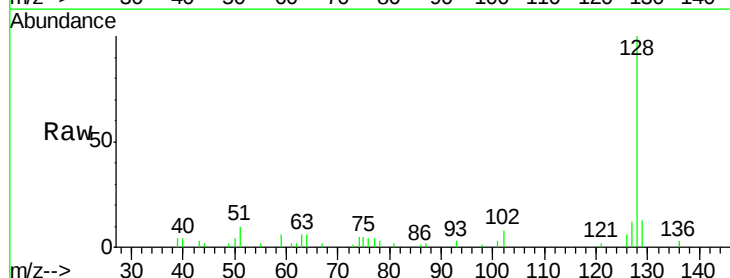
Manual Integrations
APPROVED

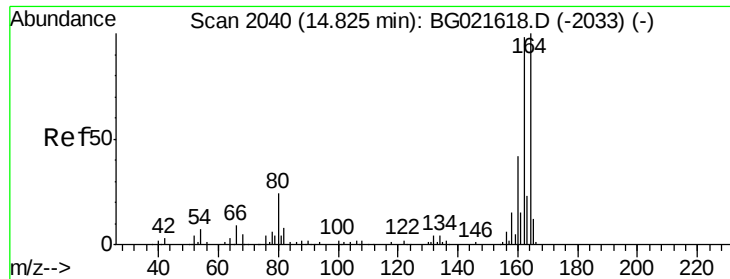
Sohil
4/15/2016 4:44:55 PM



#31
Naphthalene
Concen: 2.06 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	22772		
129	12.5	7.0	10.6#	
127	11.9	10.1	15.1	





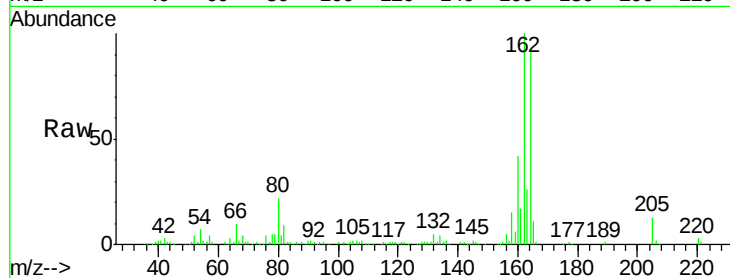
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

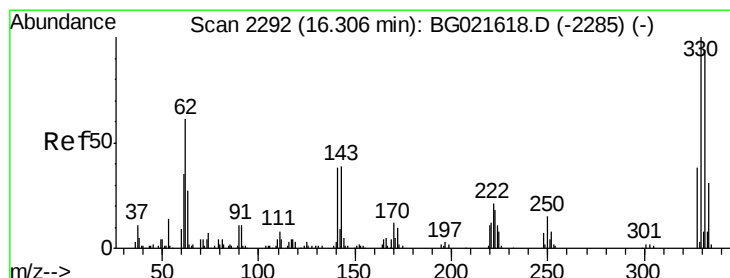
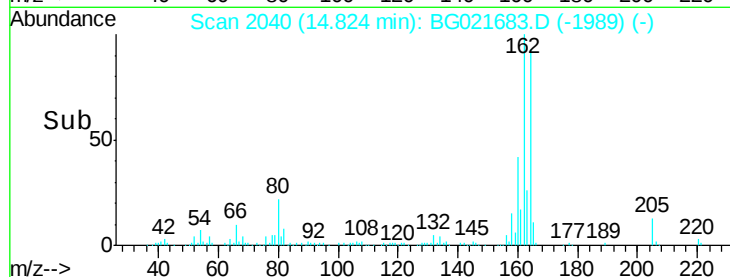
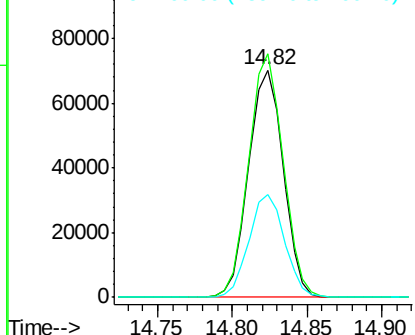
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113072		
162	107.0	78.0	117.0	
160	45.2	32.9	49.3	

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM

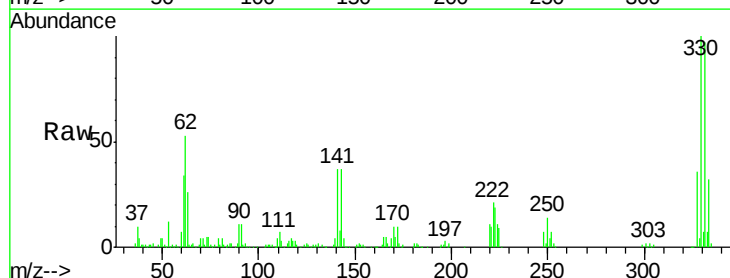


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

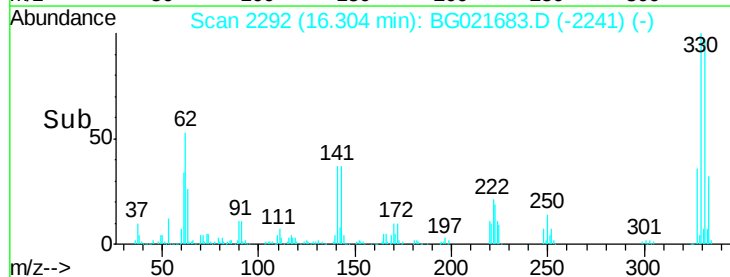
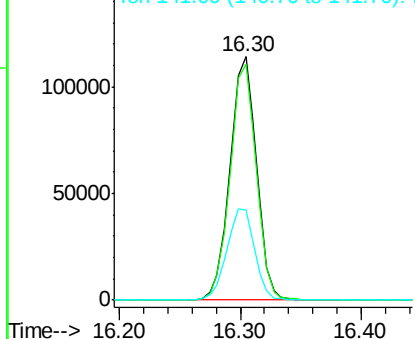


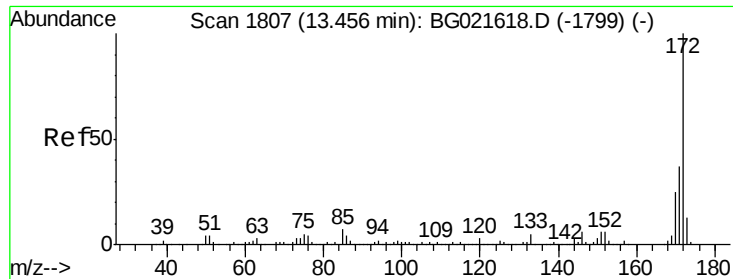
#41
2,4,6-Tribromophenol
Concen: 143.19 ng
RT: 16.30 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	174491		
332	96.5	78.0	117.0	
141	39.5	33.8	50.8	



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





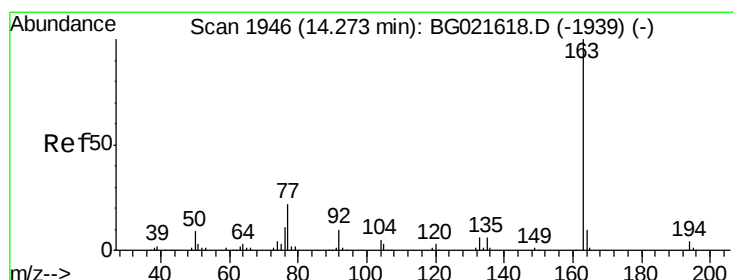
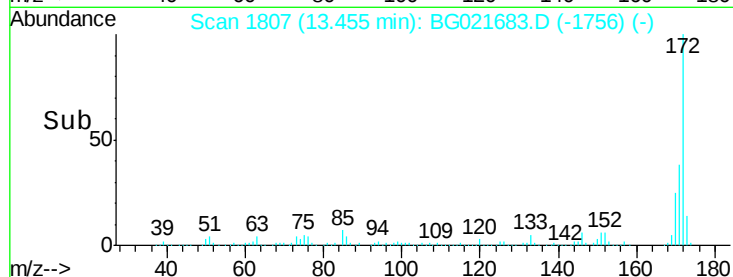
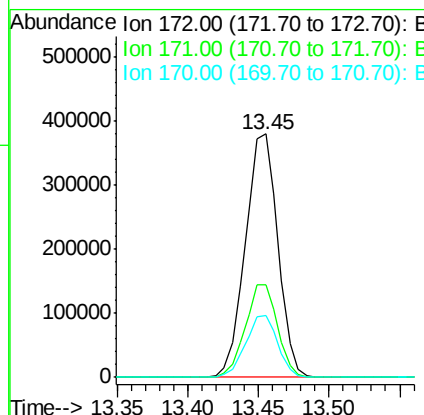
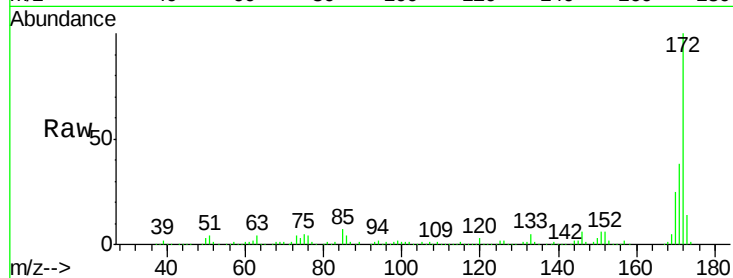
#44
2-Fluorobiphenyl
Concen: 79.34 ng
RT: 13.45 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	38.0	27.8	41.6
170	25.4	19.6	29.4

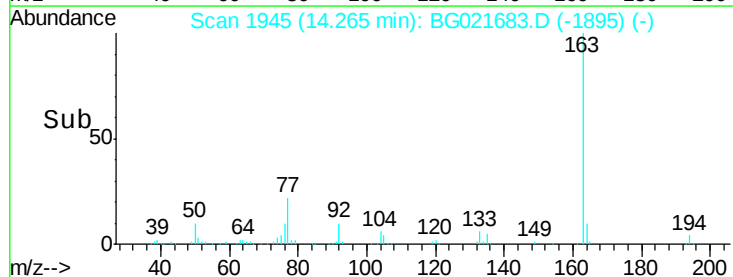
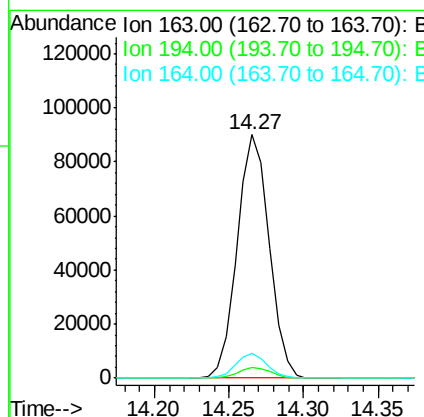
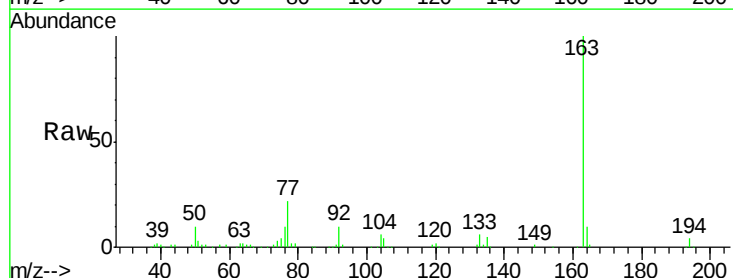
Manual Integrations
APPROVED

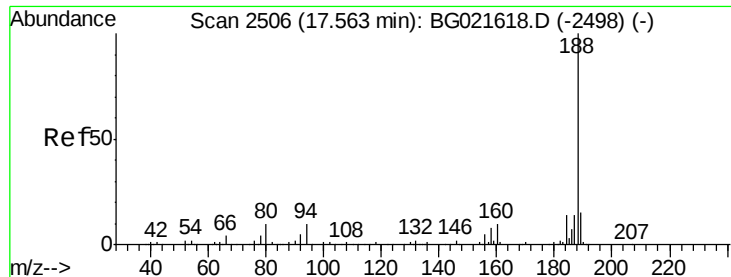
Sohil
4/15/2016 4:44:55 PM



#49
Dimethylphthalate
Concen: 13.69 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.4	3.0	4.6
164	10.3	8.1	12.1





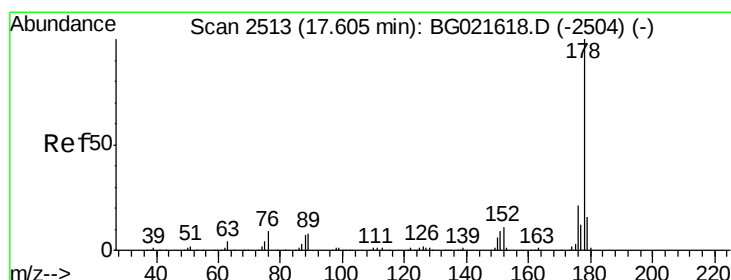
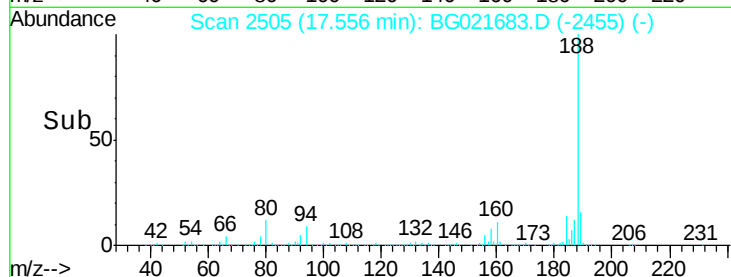
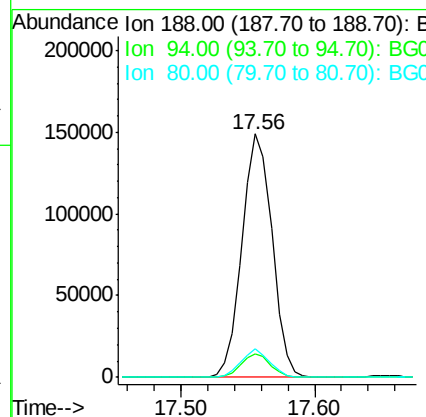
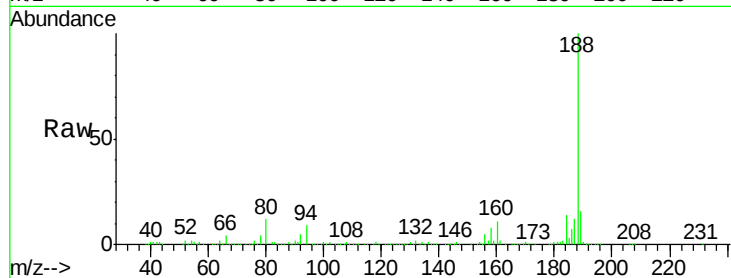
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	7.5	11.3
80	11.7	8.6	13.0

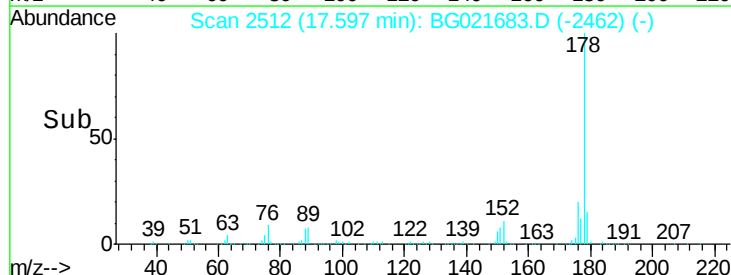
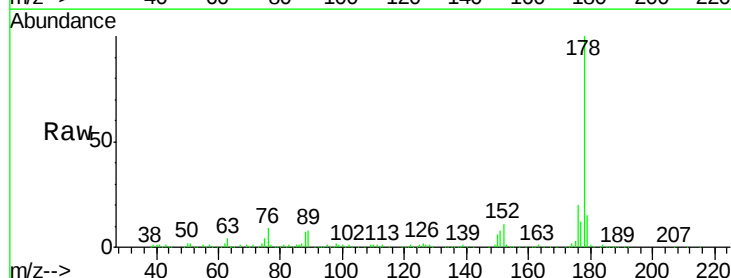
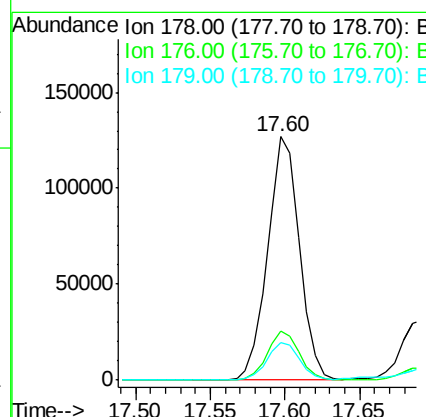
Manual Integrations
APPROVED

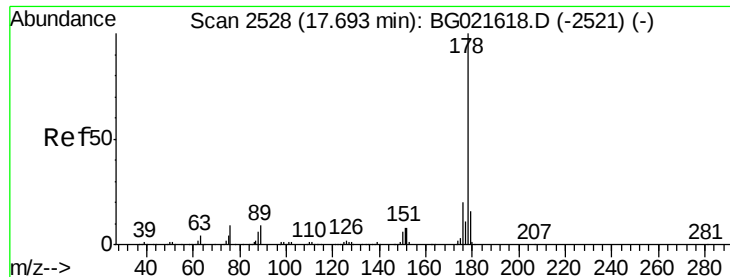
Sohil
4/15/2016 4:44:55 PM



#70
Phenanthrene
Concen: 14.60 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.2	24.4
179	15.3	12.0	18.0





#71

Anthracene

Concen: 3.70 ng

RT: 17.69 min Scan# 2528

Delta R.T. -0.00 min

Lab File: BG021683.D

Acq: 15 Apr 2016 12:01

Instrument :

BNA_G

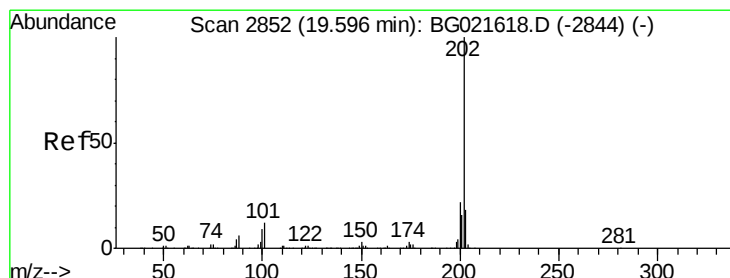
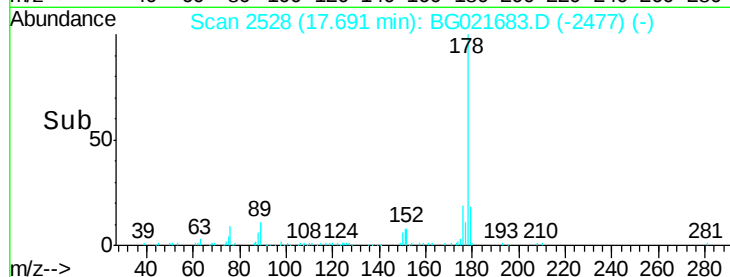
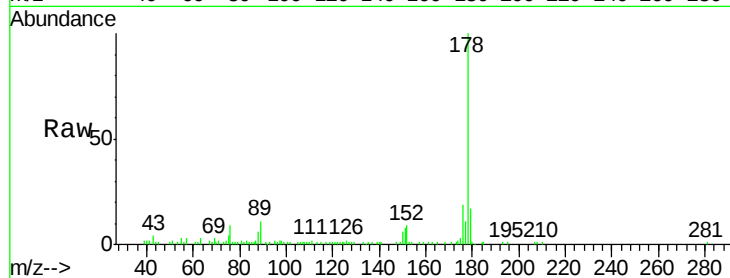
ClientSampleId :

SP-5W(0-2)

Tgt Ion:	178	Resp:	48080
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.0	22.4
179	17.4	12.2	18.4

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM



#74

Fluoranthene

Concen: 20.62 ng

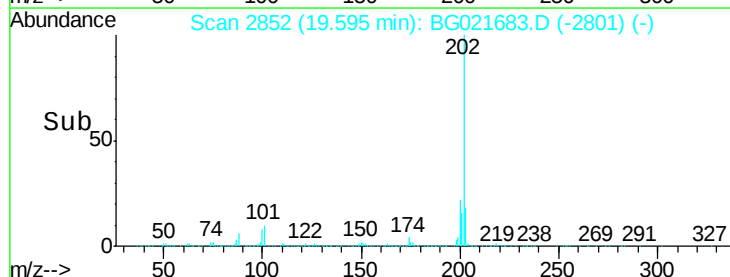
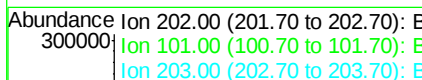
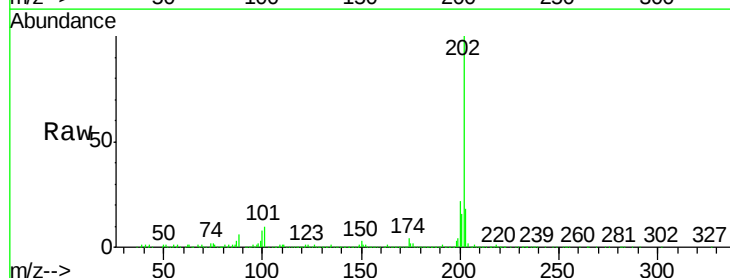
RT: 19.59 min Scan# 2852

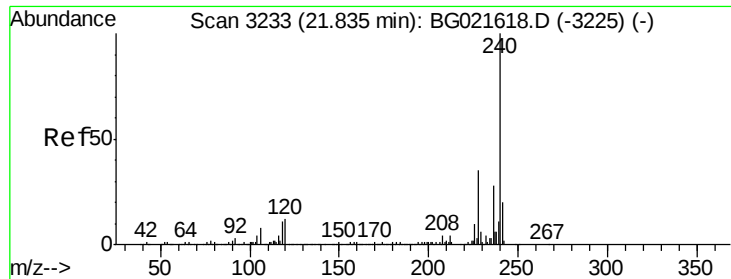
Delta R.T. -0.00 min

Lab File: BG021683.D

Acq: 15 Apr 2016 12:01

Tgt Ion:	202	Resp:	315197
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.0
203	18.1	0.0	37.9





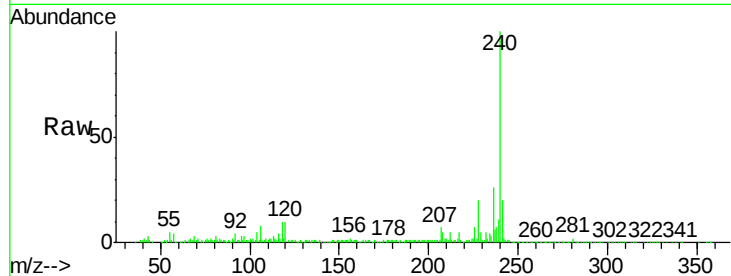
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

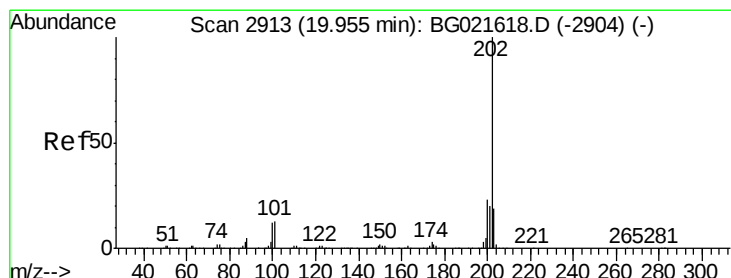
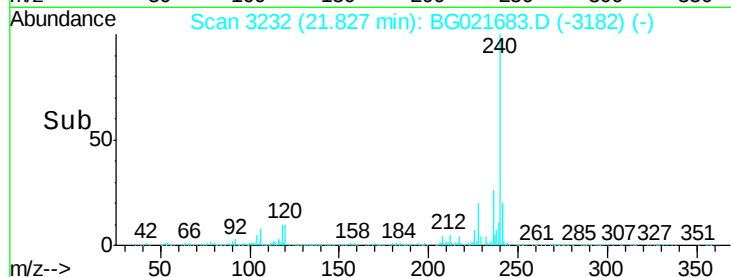
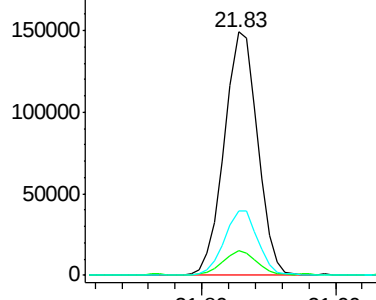
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.0	8.4	12.6
236	26.5	19.6	29.4

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM

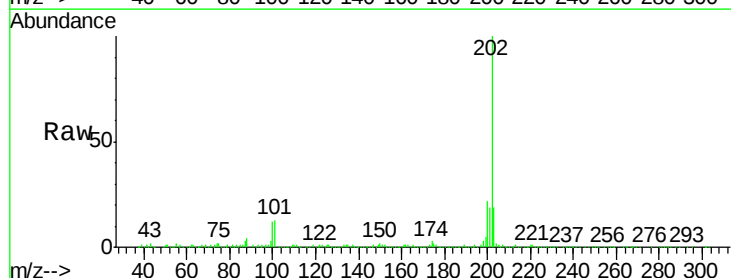


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

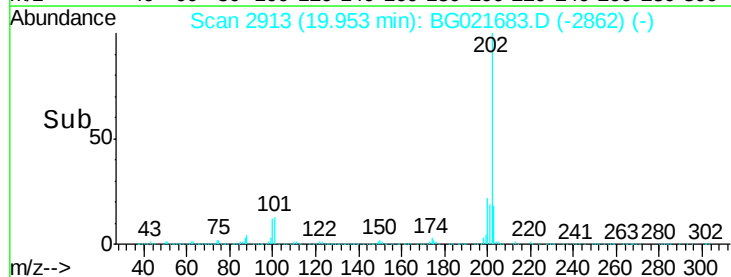
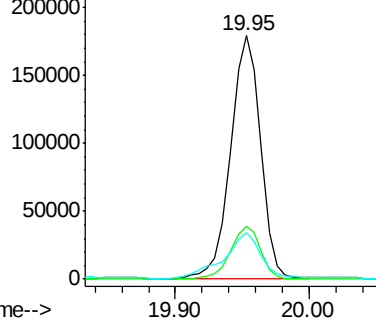


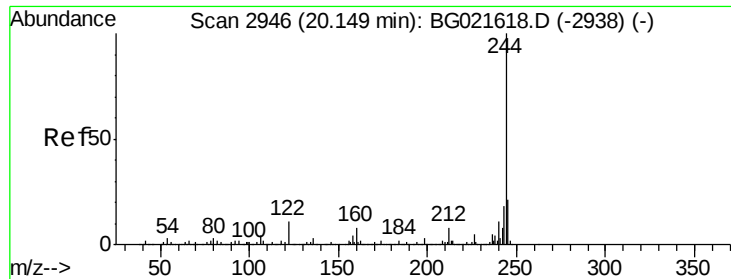
#77
Pyrene
Concen: 18.82 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.8	18.2	27.2
203	18.9	15.0	22.4



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





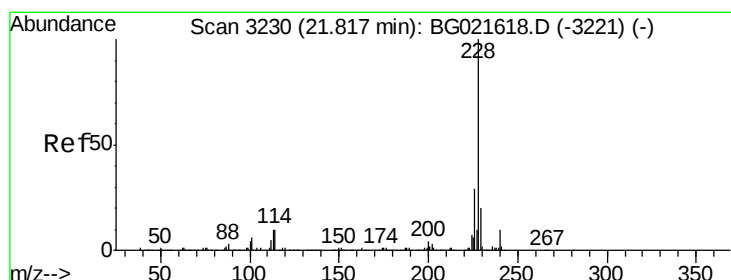
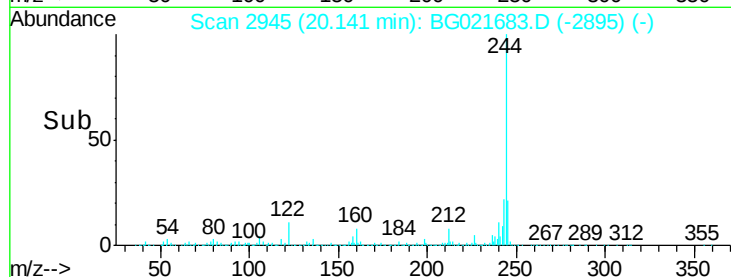
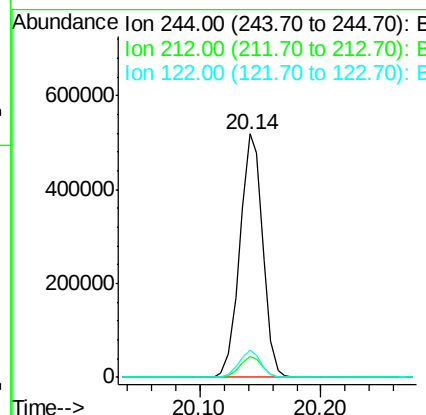
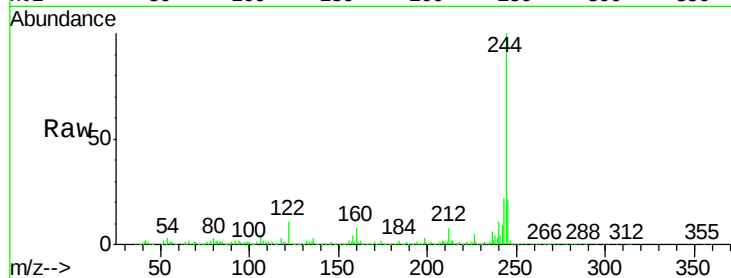
#78
 Terphenyl-d14
 Concen: 66.86 ng
 RT: 20.14 min Scan# 2945
 Delta R.T. -0.01 min
 Lab File: BG021683.D
 Acq: 15 Apr 2016 12:01

Instrument :
 BNA_G
 ClientSampleId :
 SP-5W(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.4	6.5	9.7
122	11.1	8.6	12.8

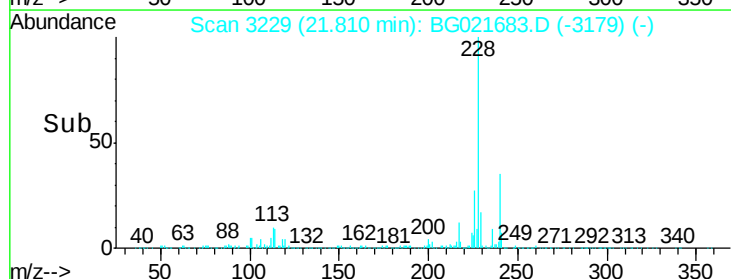
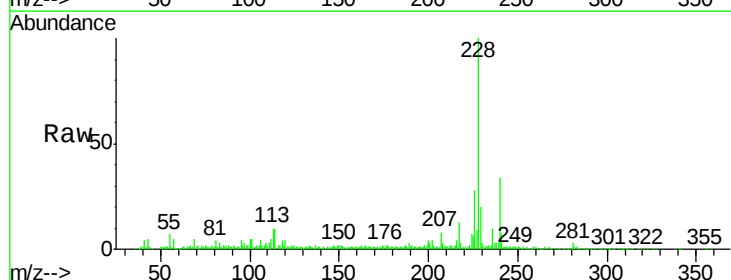
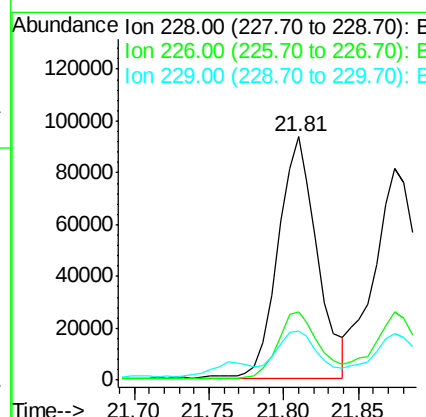
Manual Integrations
 APPROVED

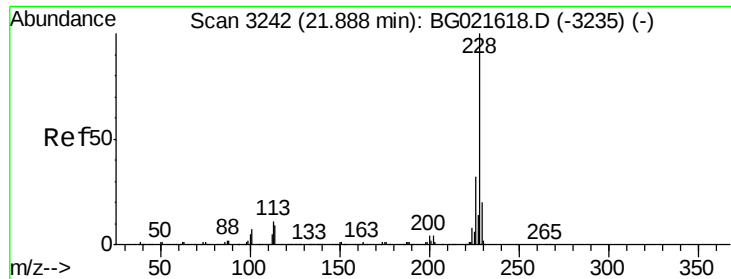
Sohil
 4/15/2016 4:44:55 PM



#80
 Benzo(a)anthracene
 Concen: 11.63 ng
 RT: 21.81 min Scan# 3229
 Delta R.T. -0.01 min
 Lab File: BG021683.D
 Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.0	22.6	34.0
229	20.3	16.1	24.1





#82

Chrysene

Concen: 11.12 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG021683.D

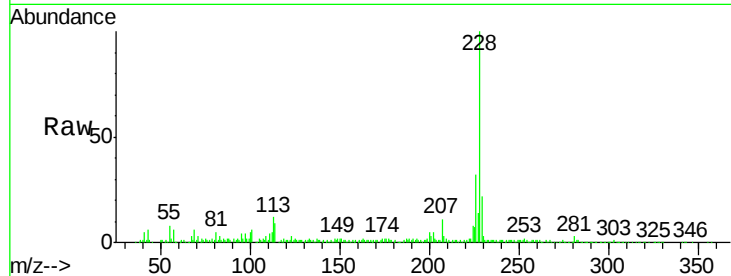
Acq: 15 Apr 2016 12:01

Instrument :

BNA_G

ClientSampleId :

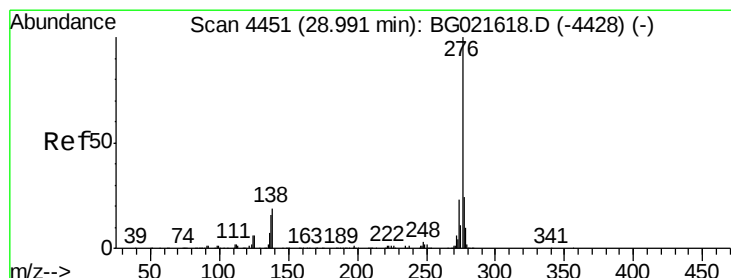
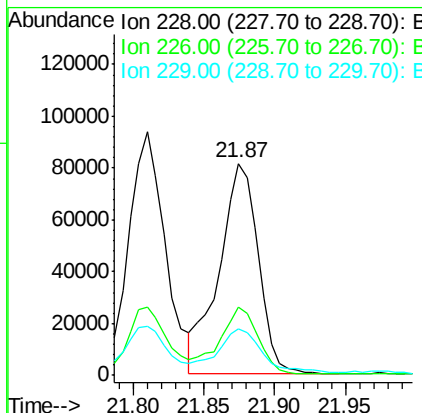
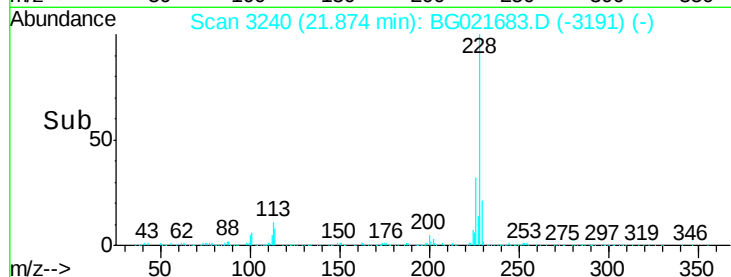
SP-5W(0-2)



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	157057		
226	32.4	25.4	38.0	
229	21.9	15.9	23.9	

Manual Integrations
APPROVED

Sohil
4/15/2016 4:44:55 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.96 ng

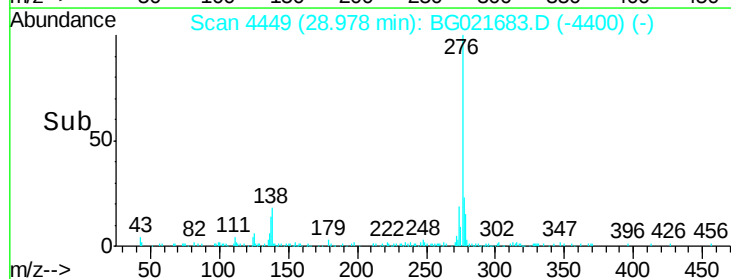
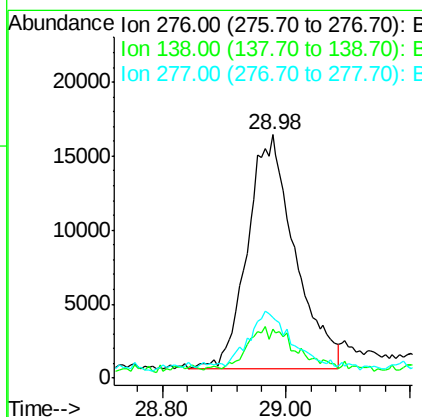
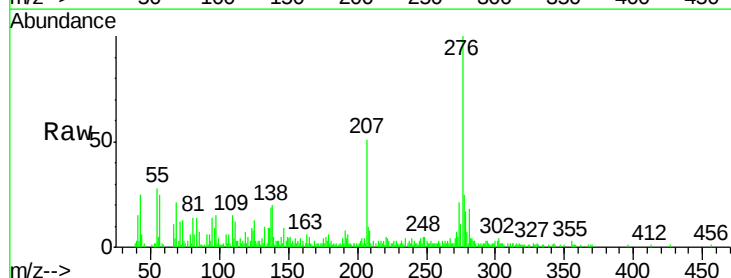
RT: 28.98 min Scan# 4449

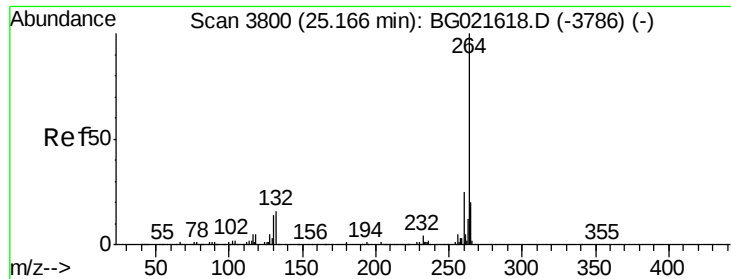
Delta R.T. -0.01 min

Lab File: BG021683.D

Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	83307		
138	8.2	14.0	21.0#	
277	21.1	20.6	30.8	





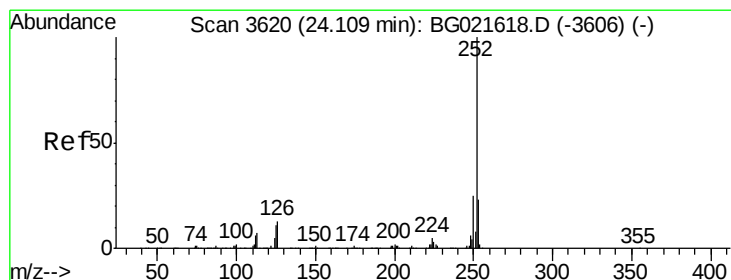
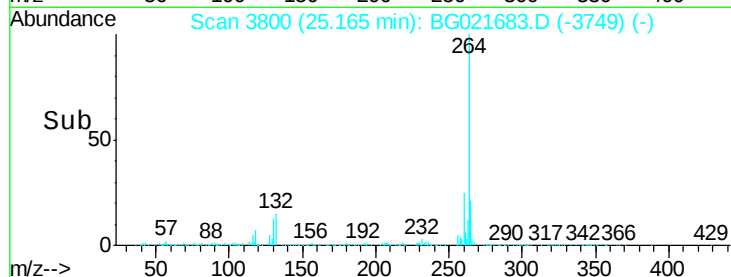
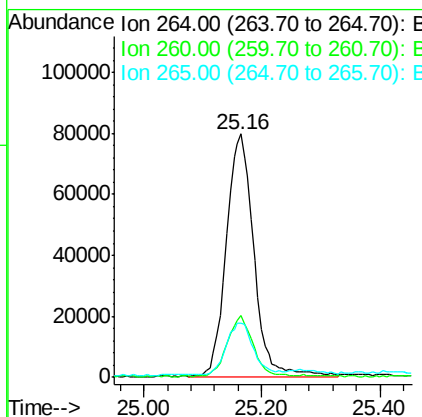
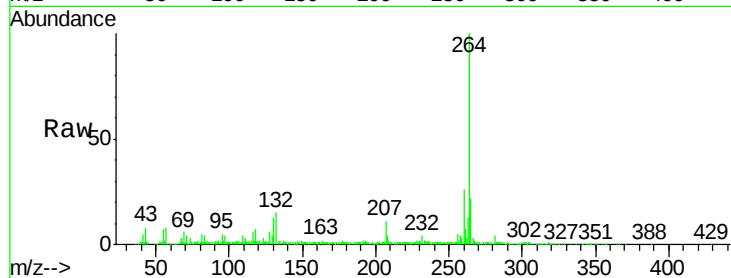
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3800
Delta R.T. -0.00 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampleId :
SP-5W(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	257744		
260	25.5	20.2	30.4	
265	22.1	17.8	26.8	

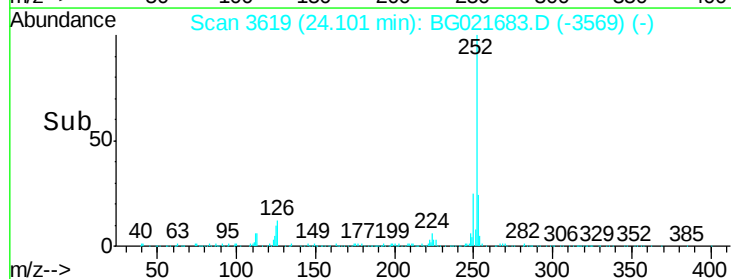
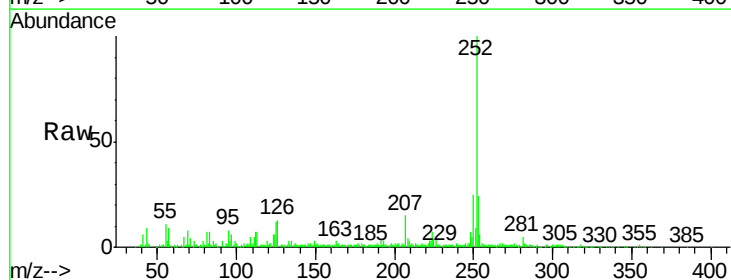
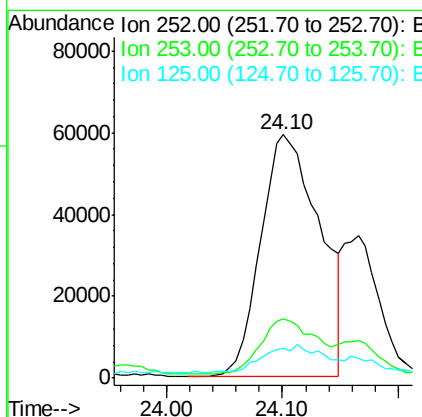
Manual Integrations
APPROVED

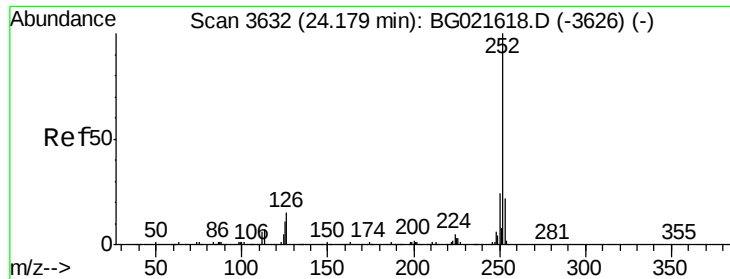
Sohil
4/15/2016 4:44:55 PM



#87
Benzo(b)fluoranthene
Concen: 14.05 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	210196		
253	24.5	17.5	26.3	
125	12.5	8.6	13.0	





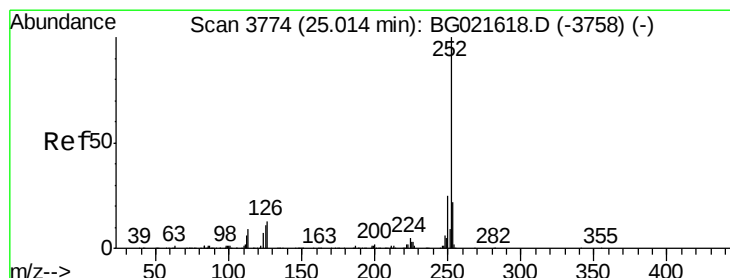
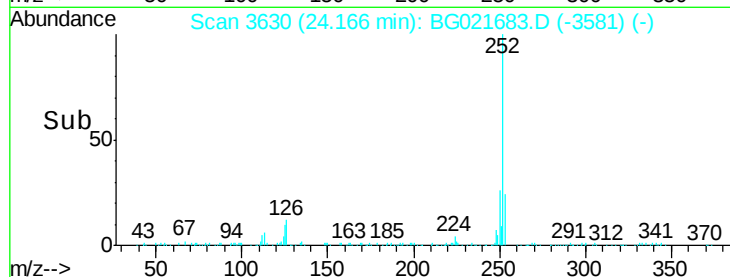
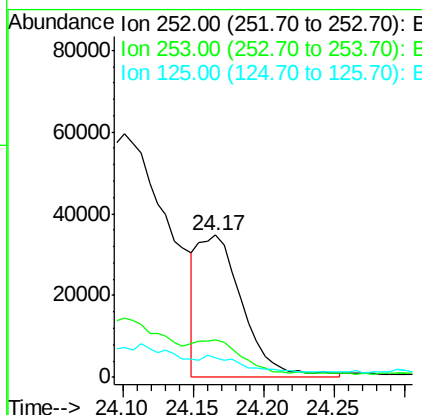
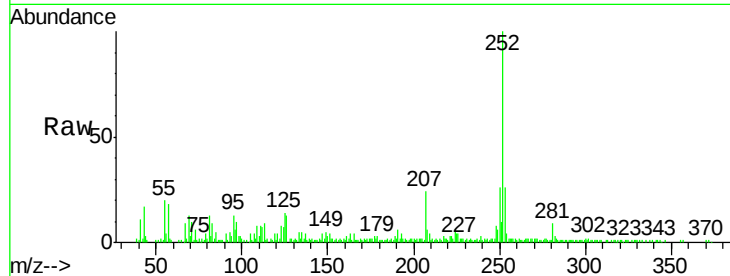
#88
Benzo(k)fluoranthene
Concen: 5.29 ng m
RT: 24.17 min Scan# 3630
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Instrument :
BNA_G
ClientSampled :
SP-5W(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.8
125	14.2	8.3	12.5

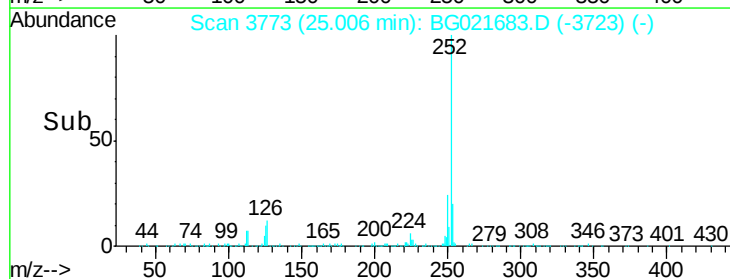
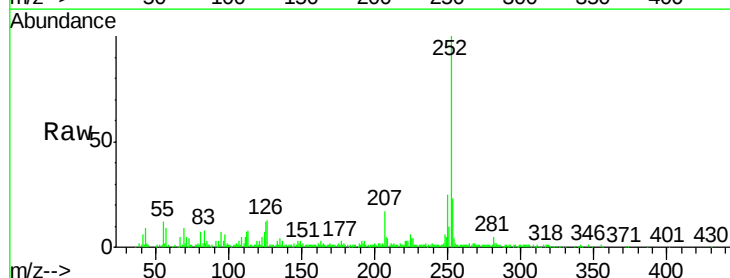
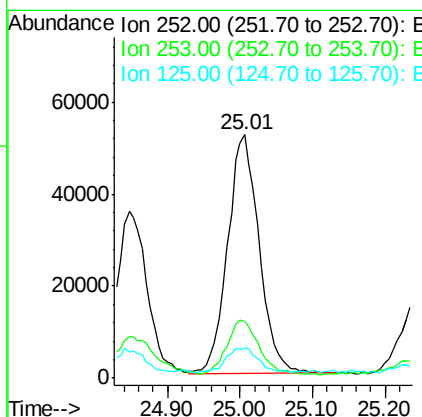
Manual Integrations
APPROVED

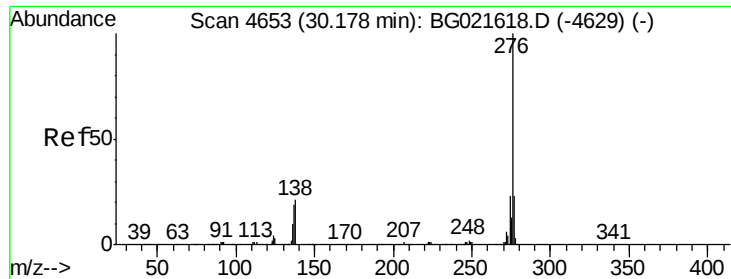
Sohil
4/15/2016 4:44:55 PM



#89
Benzo(a)pyrene
Concen: 10.88 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG021683.D
Acq: 15 Apr 2016 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	12.2	9.6	14.4





#91
 Benzo(g,h,i)perylene
 Concen: 5.56 ng
 RT: 30.16 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: BG021683.D
 Acq: 15 Apr 2016 12:01

Instrument :
 BNA_G
 ClientSampleId :
 SP-5W(0-2)

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	25.3	19.4	29.2	
138	18.7	17.4	26.0	

Manual Integrations
 APPROVED

Sohil
 4/15/2016 4:44:55 PM

