

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021791.D
 Acq On : 20 Apr 2016 19:03
 Operator : UM/SJ
 Sample : H2413-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-B-2(0-2)

Manual Integrations
 APPROVED

Sohil
 4/21/2016 10:38:04 AM

Quant Time: Apr 21 11:29:45 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	47581	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	198924	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	109631	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	222002	20.00	ng	0.00
75) Chrysene-d12	21.84	240	247018	20.00	ng	0.00
86) Perylene-d12	25.19	264	148940	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	309359	108.27	ng	0.01
7) Phenol-d6	7.38	99	439369	102.95	ng	0.02
23) Nitrobenzene-d5	9.39	82	276621	71.48	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	136680	115.68	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	537886	71.89	ng	0.00
78) Terphenyl-d14	20.15	244	588198	59.42	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.27	163	99691	10.52	ng	Qvalue # 98
70) Phenanthrene	17.61	178	70319	5.75	ng	99
74) Fluoranthene	19.60	202	191149	13.08	ng	99
77) Pyrene	19.96	202	183490	12.88	ng	98
80) Benzo(a)anthracene	21.82	228	105221	7.40	ng	96
82) Chrysene	21.89	228	96034m	7.03	ng	
87) Benzo(b)fluoranthene	24.12	252	83066	9.61	ng	# 83
88) Benzo(k)fluoranthene	24.19	252	55241m	6.54	ng	
89) Benzo(a)pyrene	25.03	252	68166m	8.14	ng	

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

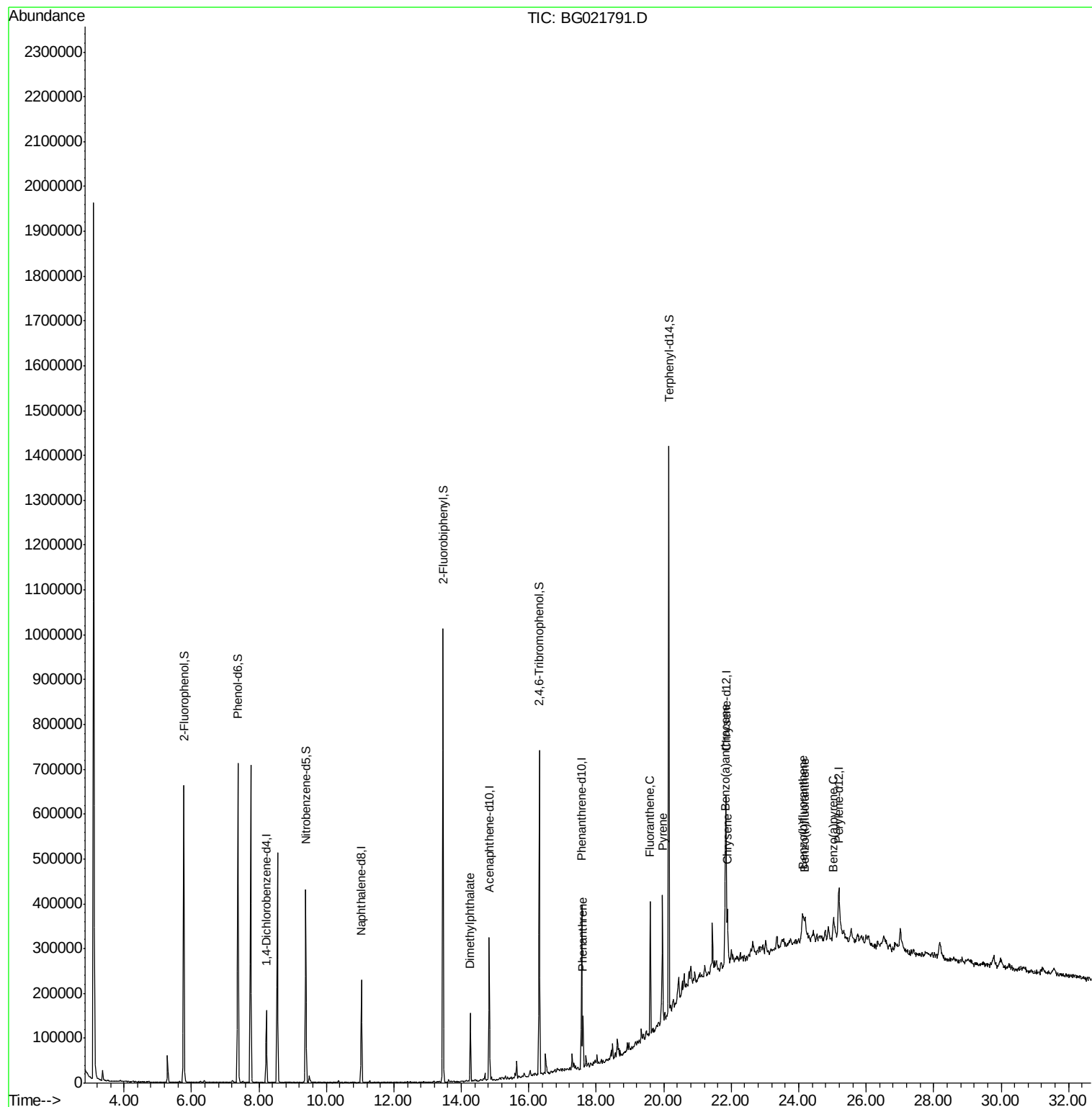
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021791.D
Acq On : 20 Apr 2016 19:03
Operator : UM/SJ
Sample : H2413-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

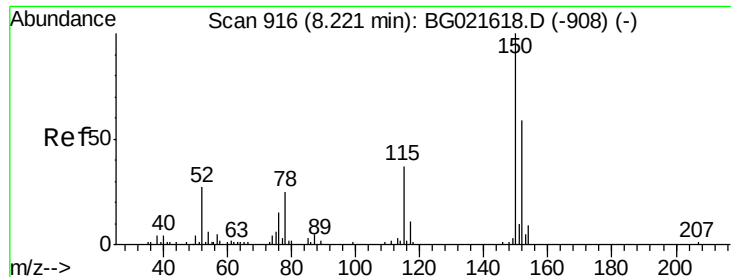
Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM

Quant Time: Apr 21 11:29:45 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# 915

Delta R.T. -0.00 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Instrument :

BNA_G

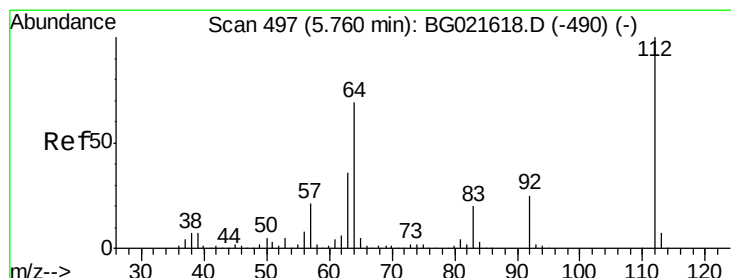
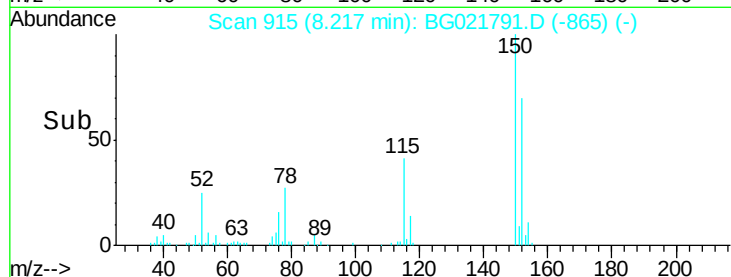
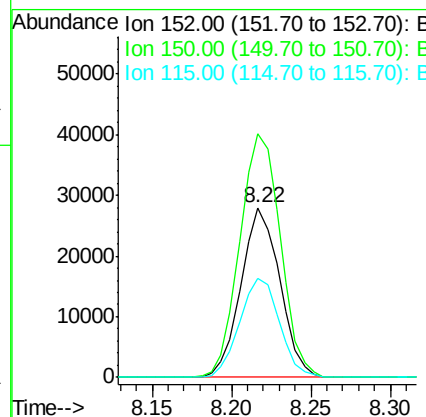
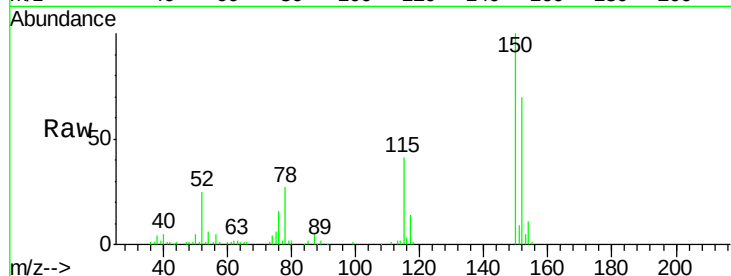
ClientSampled :

SP-2-B-2(0-2)

Tot Ion:	152	Resp:	47581
Ion Ratio	Lower	Upper	
152	100		
150	143.6	130.1	195.1
115	58.5	62.2	93.2#

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM



#5

2-Fluorophenol

Concen: 108.27 ng

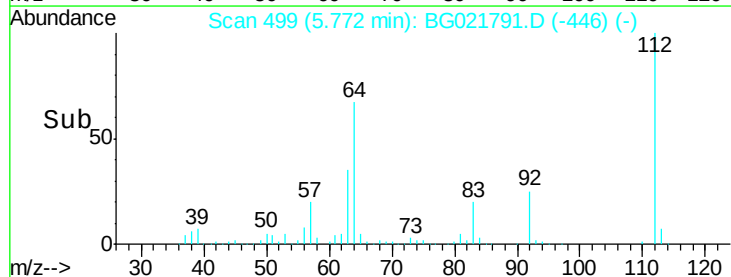
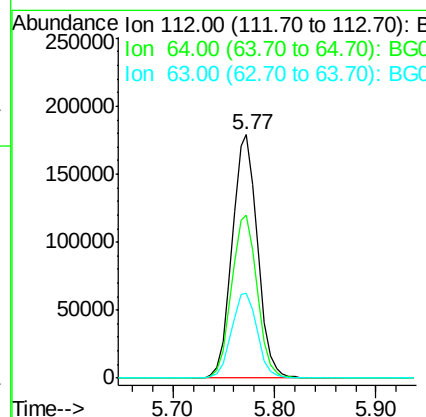
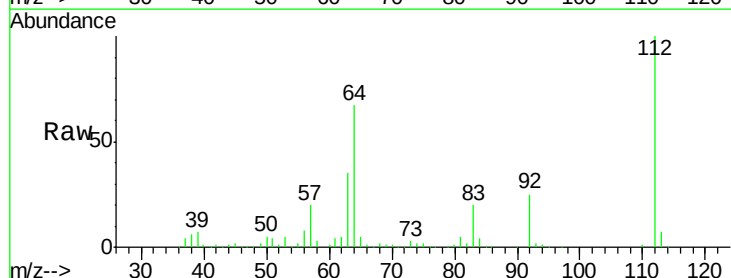
RT: 5.77 min Scan# 499

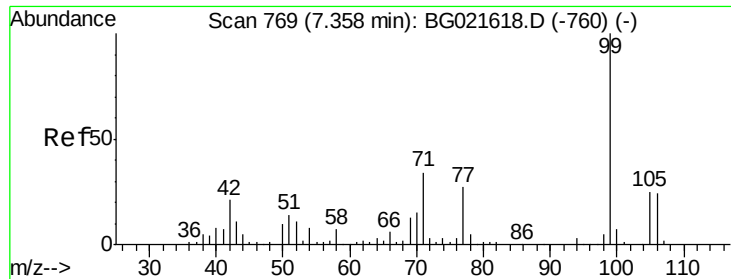
Delta R.T. 0.01 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Tgt Ion:	112	Resp:	309359
Ion Ratio	Lower	Upper	
112	100		
64	66.7	51.1	76.7
63	34.9	24.6	37.0





#7

Phenol-d6

Concen: 102.95 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Instrument :

BNA_G

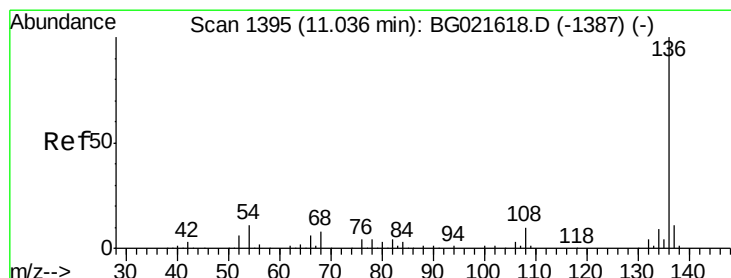
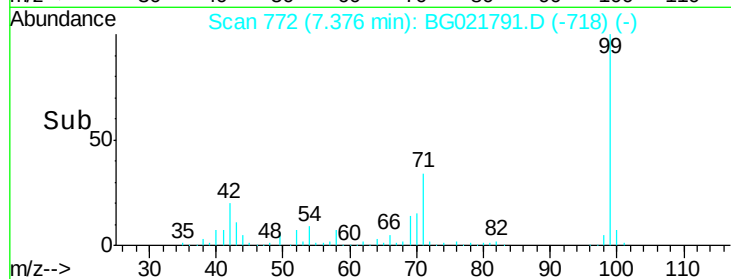
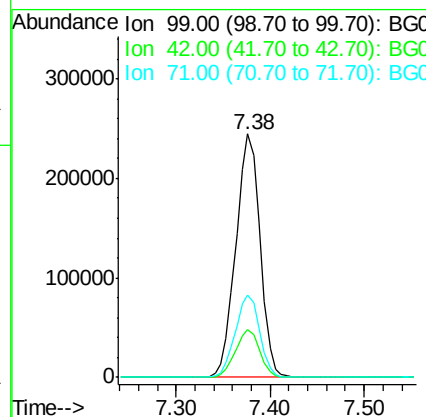
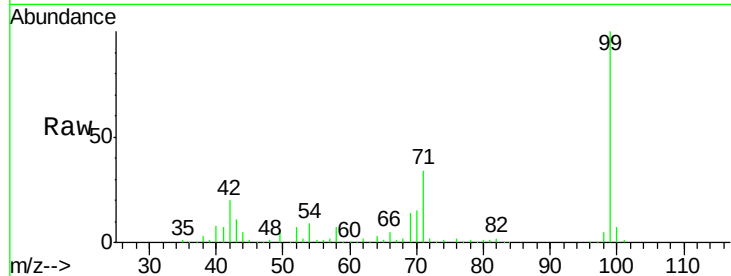
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		439369		
42	19.6	16.4	24.6		
71	34.1	25.0	37.4		

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM



#21

Naphthalene-d8

Concen: 20.00 ng

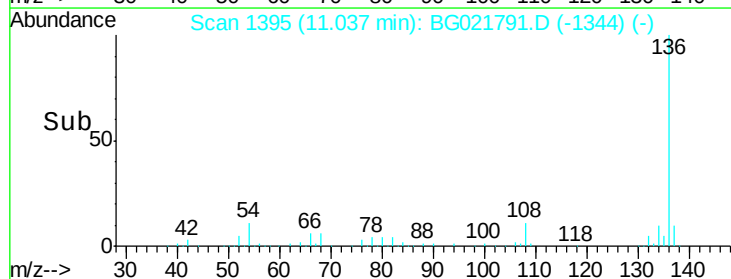
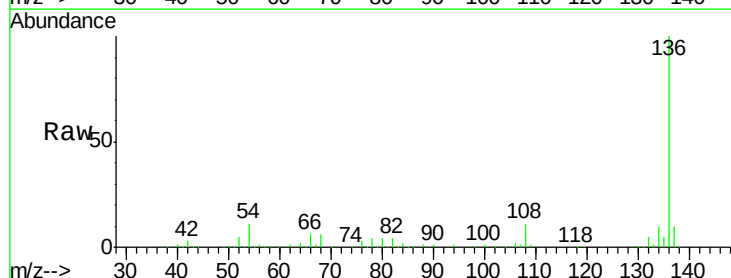
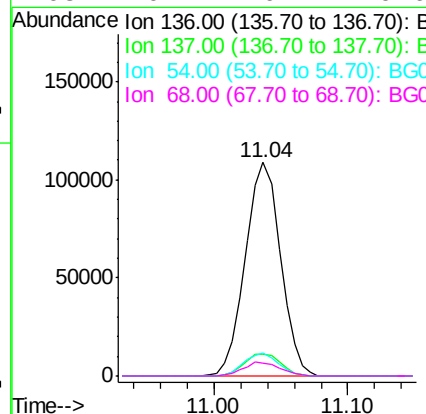
RT: 11.04 min Scan# 1395

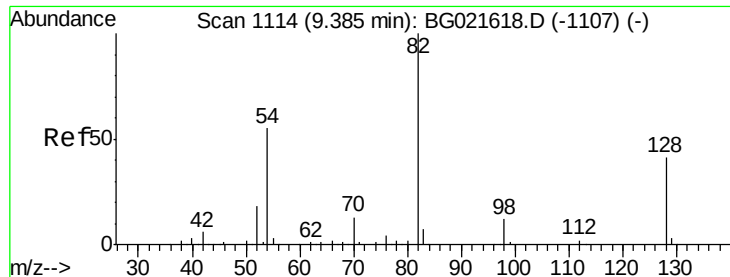
Delta R.T. 0.00 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		198924		
137	10.2	9.0	13.4		
54	10.9	9.6	14.4		
68	6.2	6.4	9.6#		





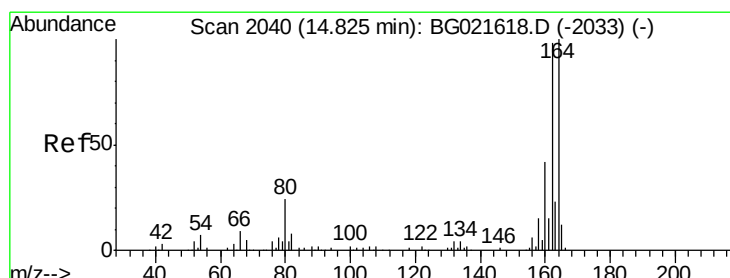
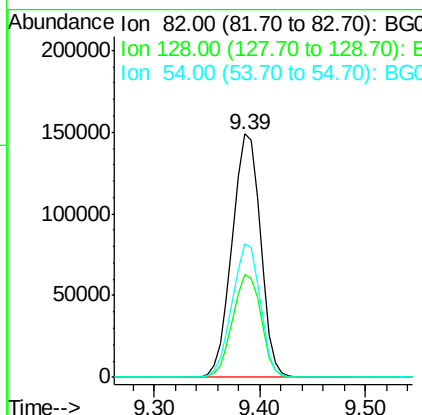
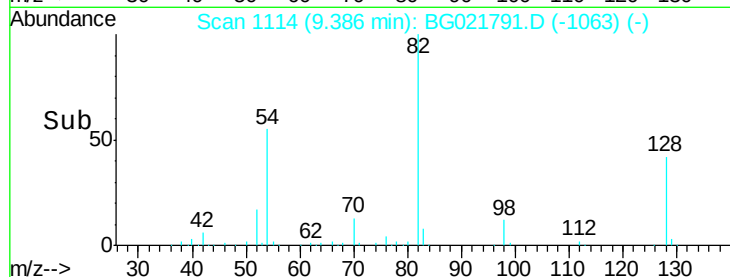
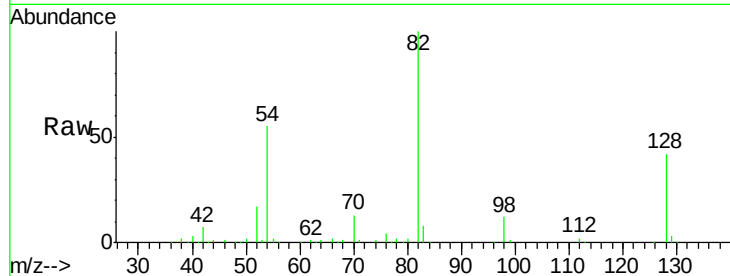
#23
Nitrobenzene-d5
Concen: 71.48 ng
RT: 9.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	276621		
128	42.5	33.4	50.0	
54	54.8	46.1	69.1	

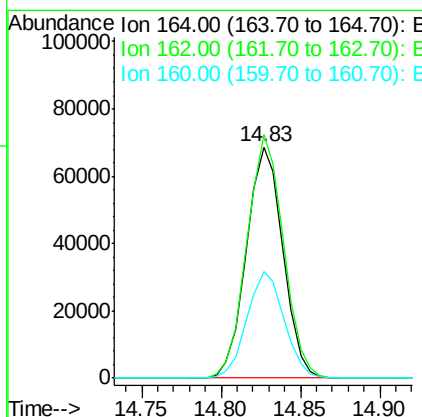
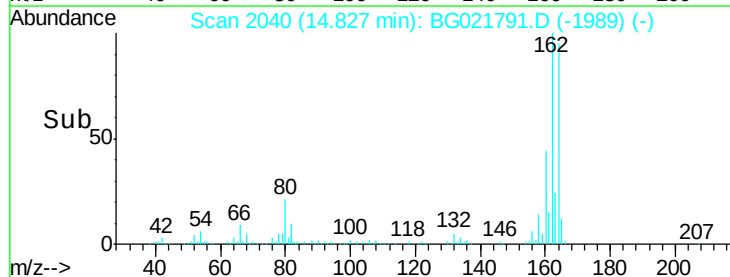
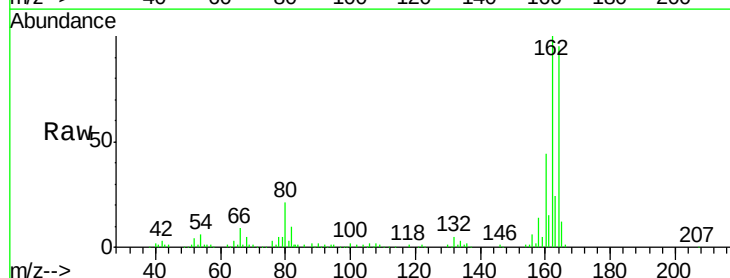
Manual Integrations
APPROVED

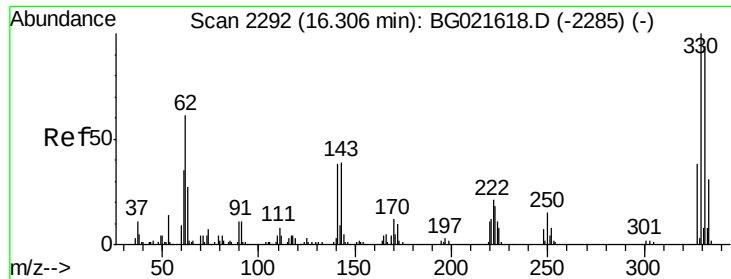
Sohil
4/21/2016 10:38:04 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.83 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109631		
162	105.3	78.0	117.0	
160	45.9	32.9	49.3	





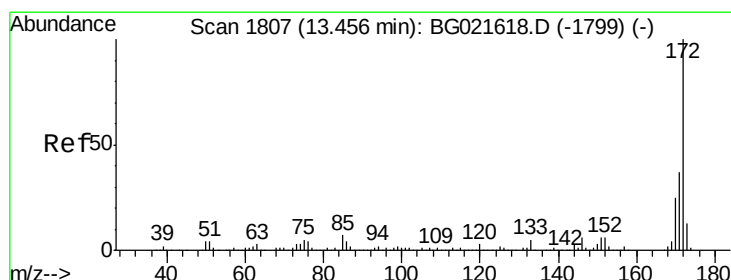
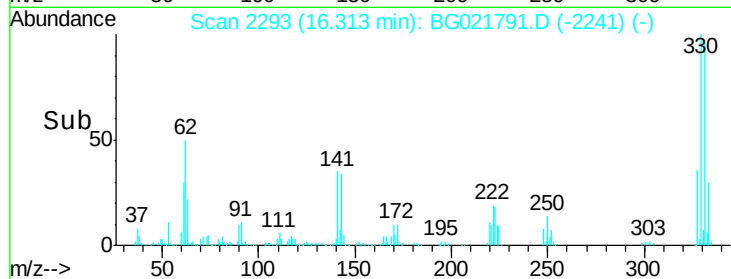
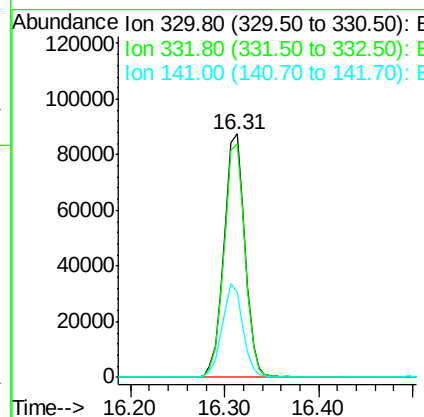
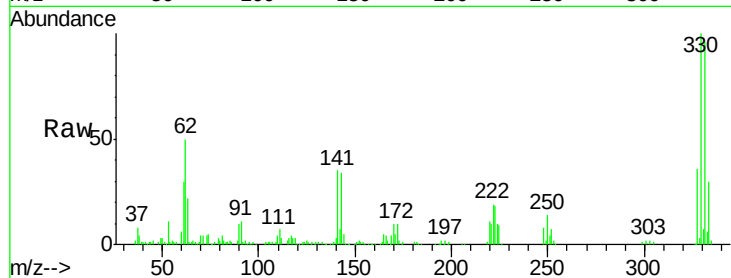
#41
 2,4,6-Tribromophenol
 Concen: 115.68 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BG021791.D
 Acq: 20 Apr 2016 19:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-B-2(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	136680		
332	95.8	78.0	117.0	
141	38.0	33.8	50.8	

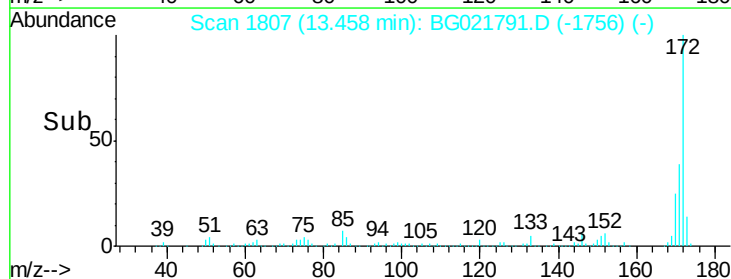
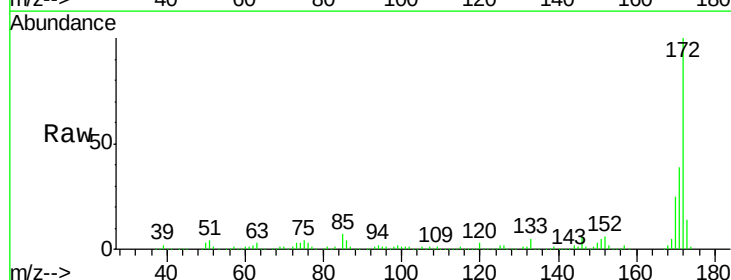
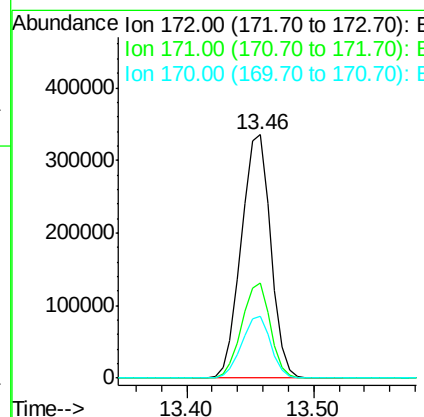
Manual Integrations
 APPROVED

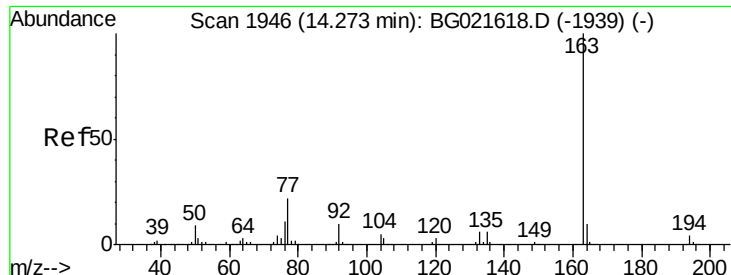
Sohil
 4/21/2016 10:38:04 AM



#44
 2-Fluorobiphenyl
 Concen: 71.89 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BG021791.D
 Acq: 20 Apr 2016 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	537886		
171	39.3	27.8	41.6	
170	25.3	19.6	29.4	





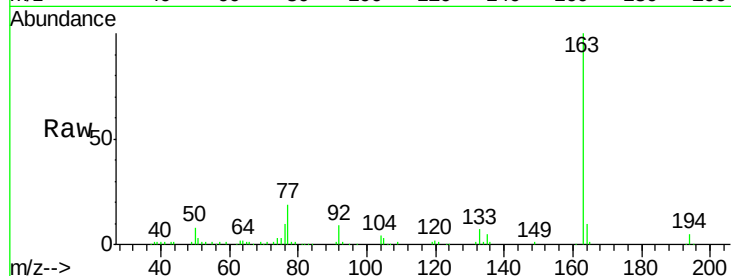
#49
Dimethylphthalate
Concen: 10.52 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

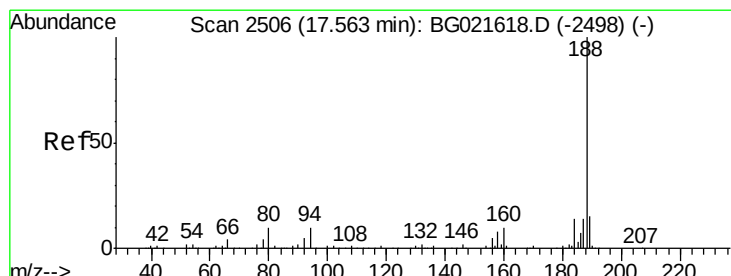
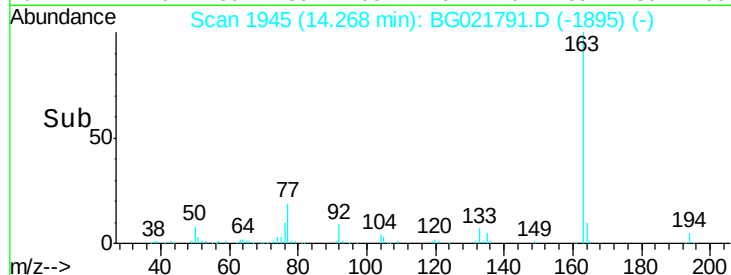
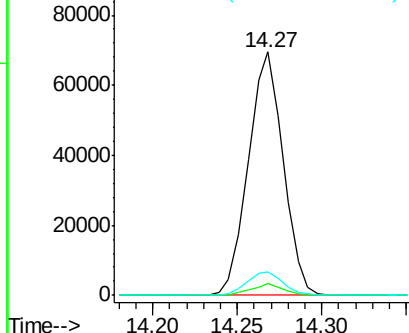
Tot Ion	Ratio	Resp	Lower	Upper
163	100	99691		
194	5.1	3.0	4.6#	
164	9.5	8.1	12.1	

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM

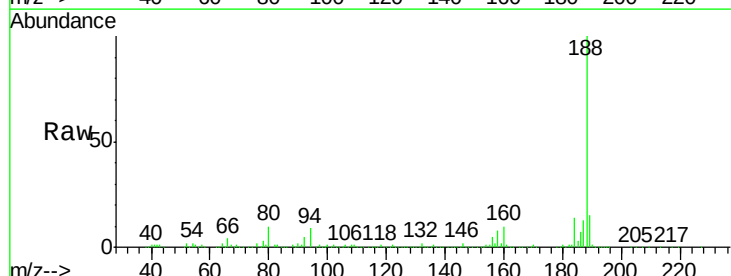


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

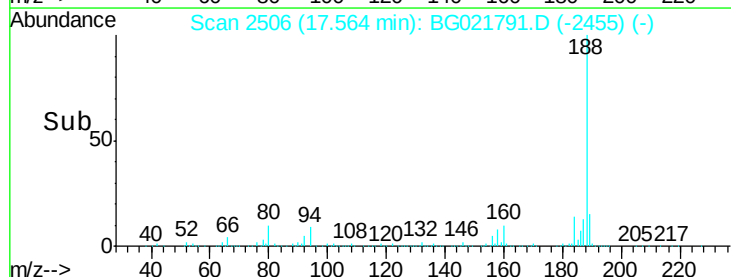
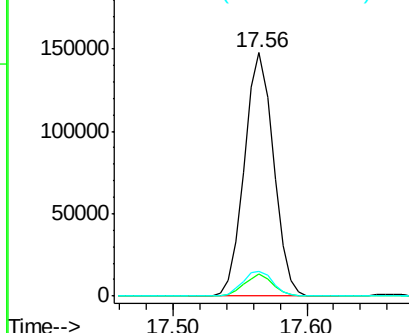


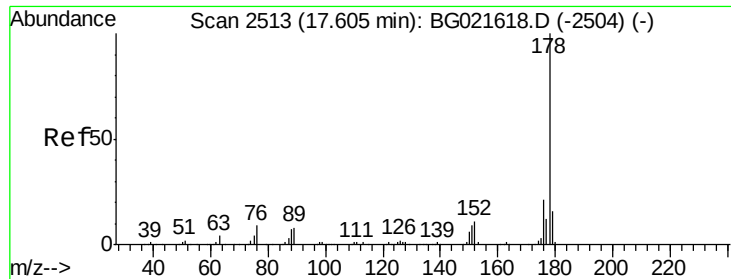
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	222002		
94	9.1	7.5	11.3	
80	10.2	8.6	13.0	



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





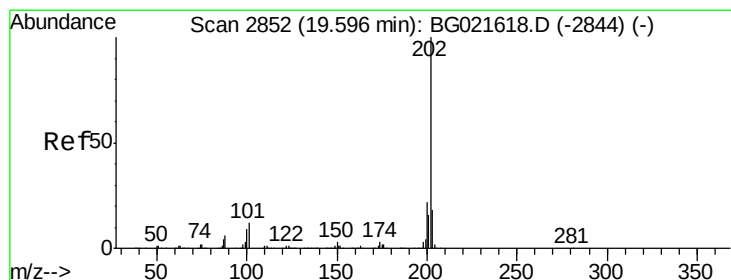
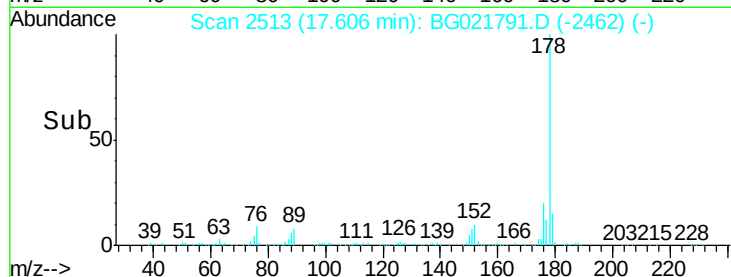
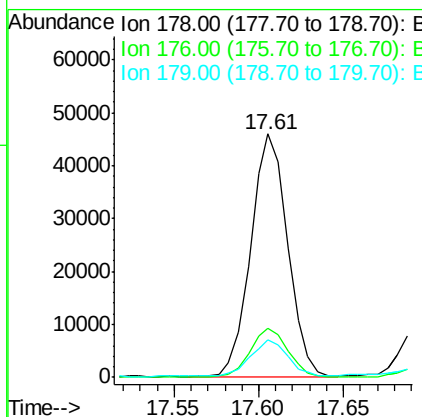
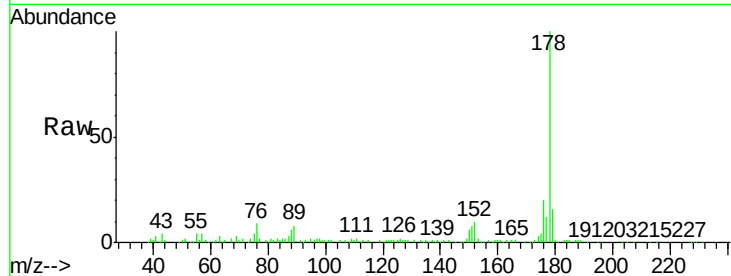
#70
Phenanthrene
Concen: 5.75 ng
RT: 17.61 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.5	12.0	18.0

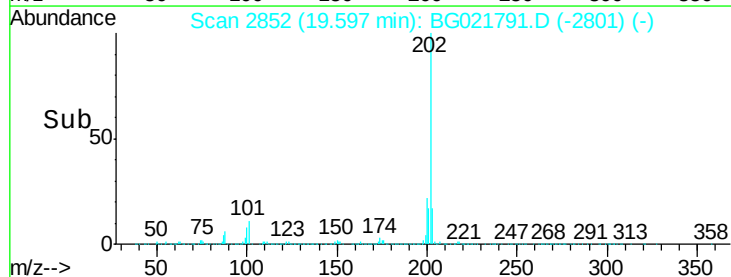
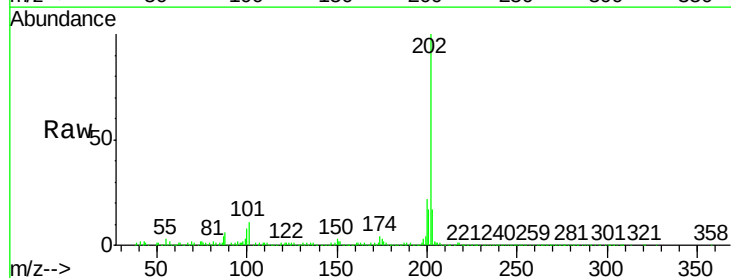
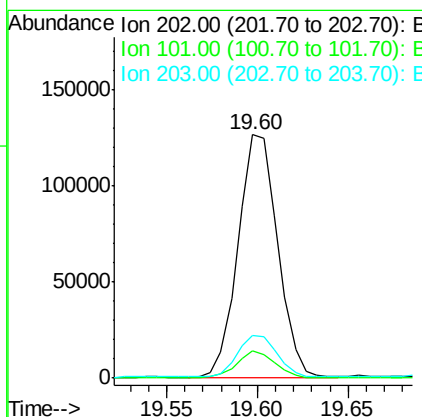
Manual Integrations
APPROVED

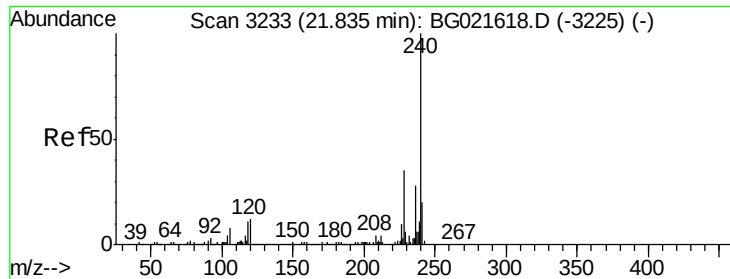
Sohil
4/21/2016 10:38:04 AM



#74
Fluoranthene
Concen: 13.08 ng
RT: 19.60 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	17.4	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. 0.01 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Instrument :

BNA_G

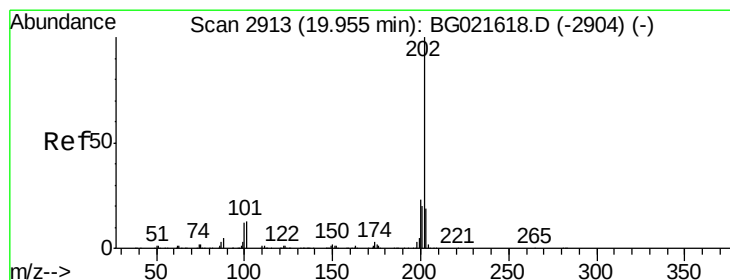
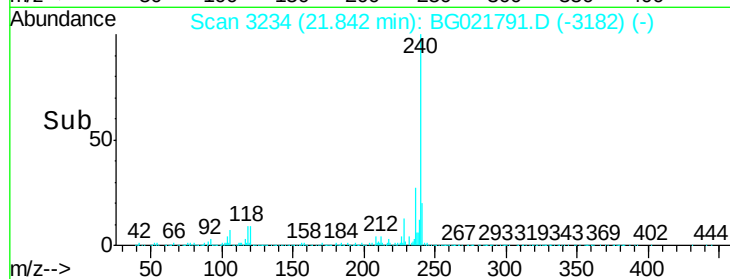
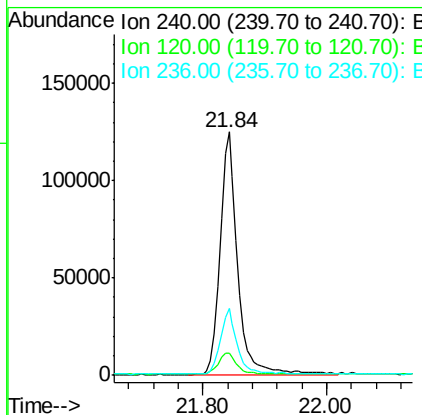
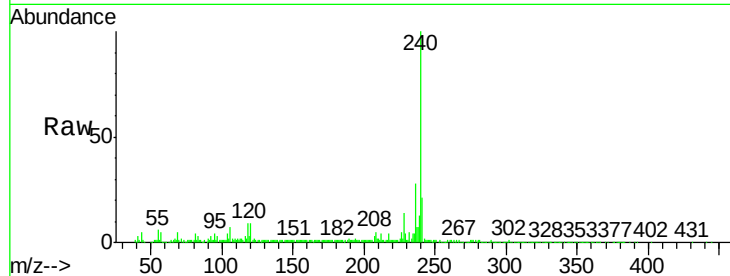
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	240	Resp:	247018
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.4	12.6
236	27.7	19.6	29.4

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM



#77

Pyrene

Concen: 12.88 ng

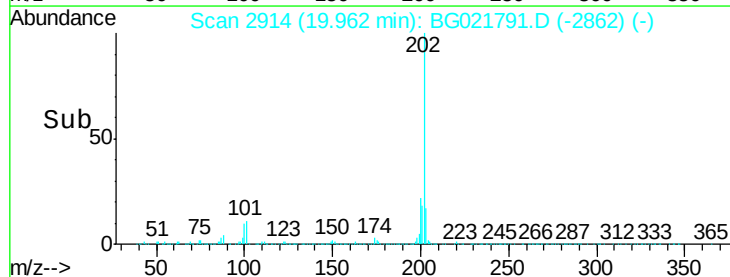
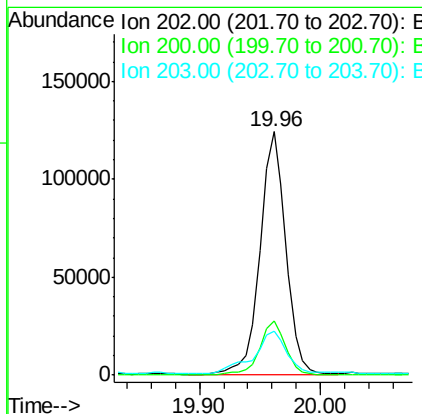
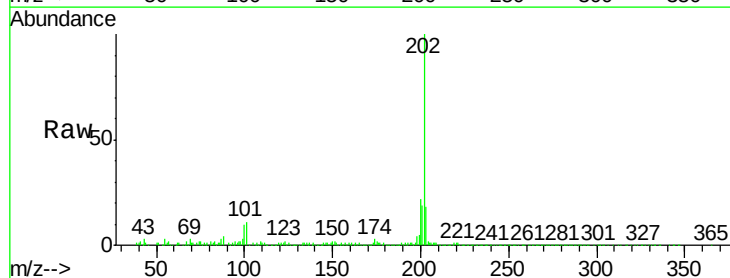
RT: 19.96 min Scan# 2914

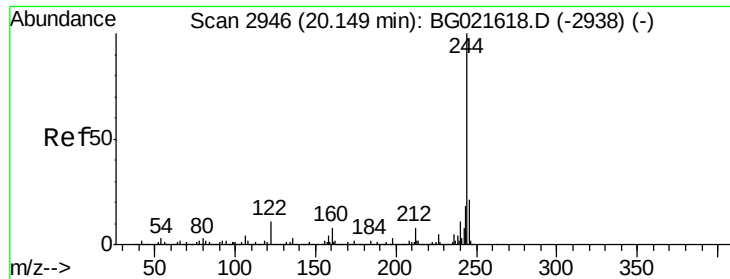
Delta R.T. 0.01 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Tgt Ion:	202	Resp:	183490
Ion Ratio	Lower	Upper	
202	100		
200	22.1	18.2	27.2
203	17.8	15.0	22.4





#78

Terphenyl-d14

Concen: 59.42 ng

RT: 20.15 min Scan# 2946

Delta R.T. 0.00 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Instrument :

BNA_G

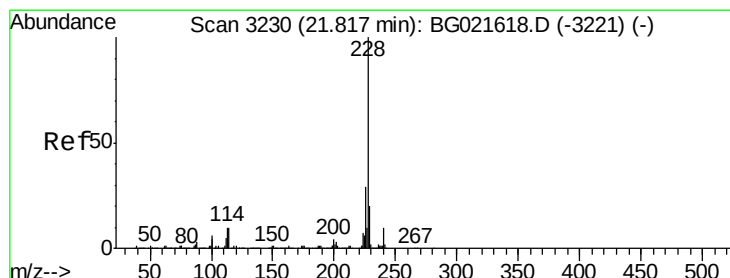
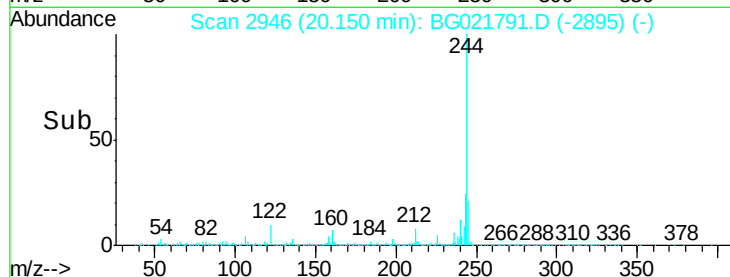
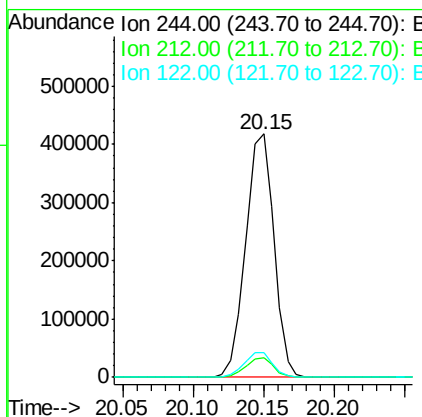
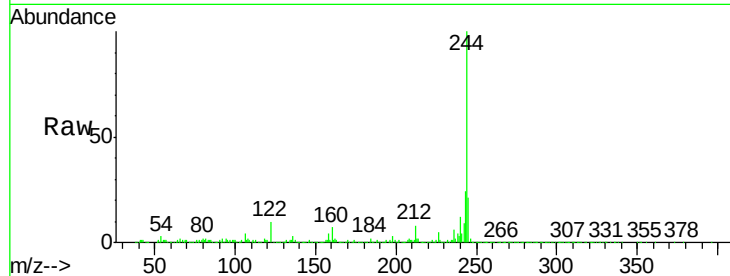
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	244	Resp:	588198
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.5	9.7
122	10.0	8.6	12.8

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM



#80

Benzo(a)anthracene

Concen: 7.40 ng

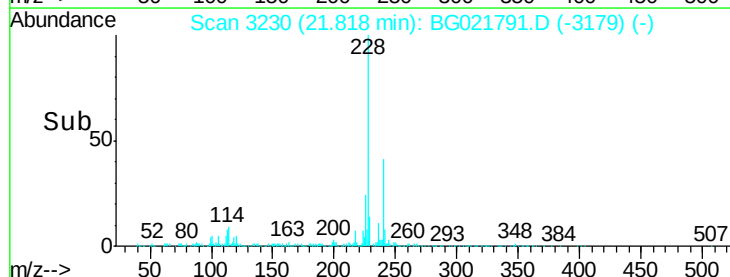
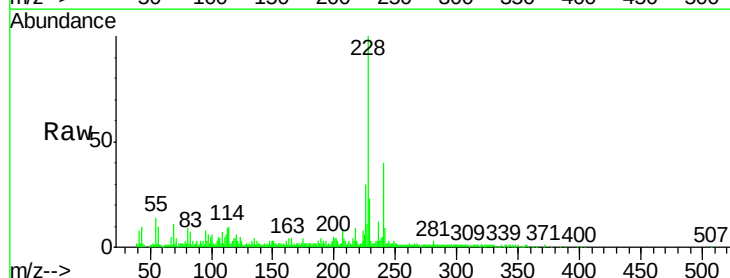
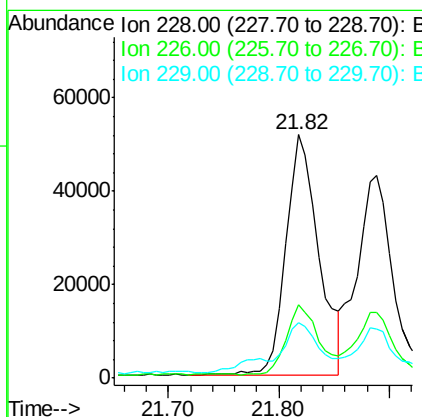
RT: 21.82 min Scan# 3230

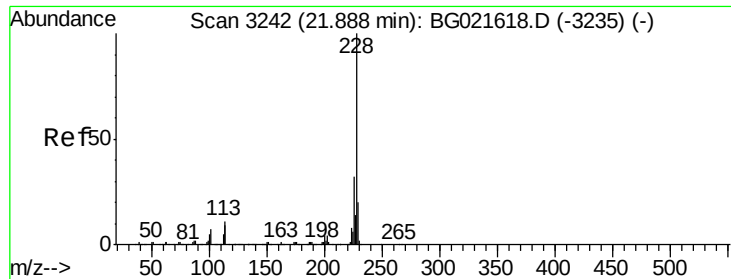
Delta R.T. 0.00 min

Lab File: BG021791.D

Acq: 20 Apr 2016 19:03

Tgt Ion:	228	Resp:	105221
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.6	34.0
229	22.9	16.1	24.1





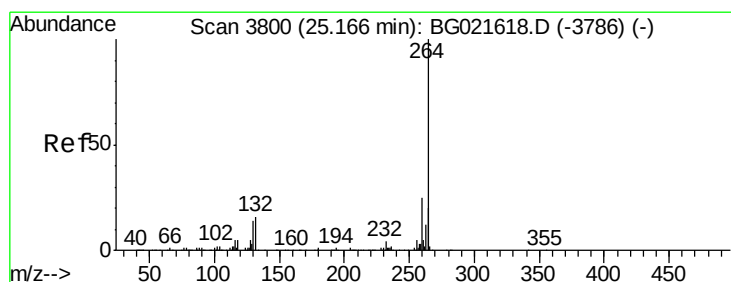
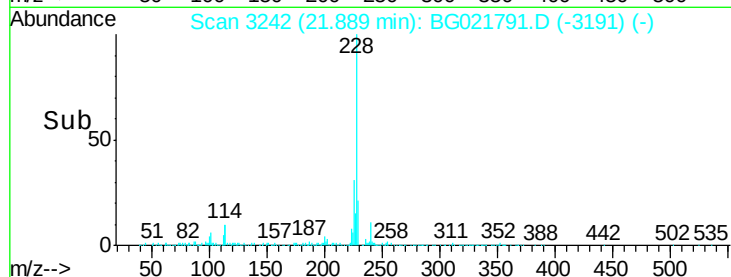
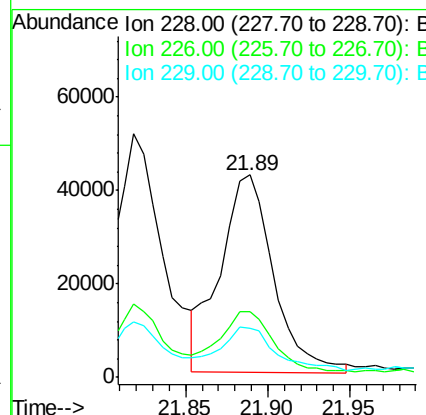
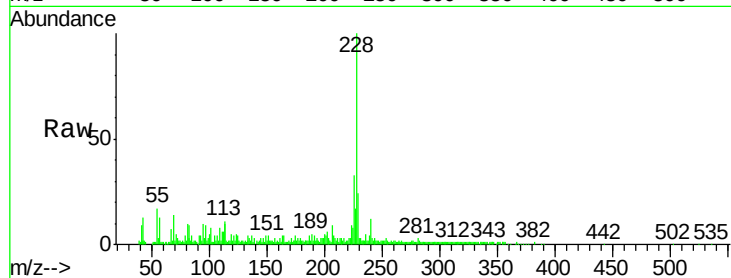
#82
Chrysene
Concen: 7.03 ng/mL
RT: 21.89 min Scan# 3242
Delta R.T. 0.00 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion:	228	Resp:	96034
Ion Ratio	Lower	Upper	
228	100		
226	32.6	25.4	38.0
229	24.3	15.9	23.9

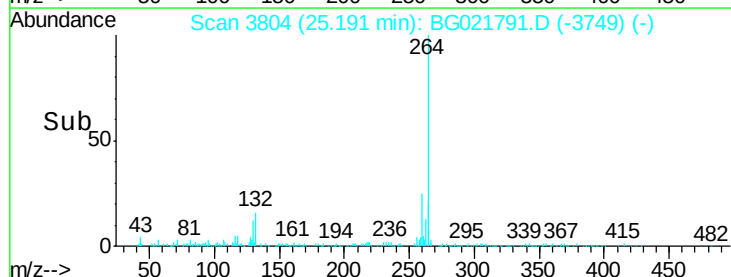
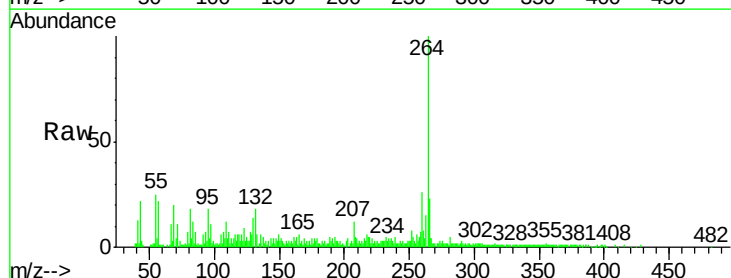
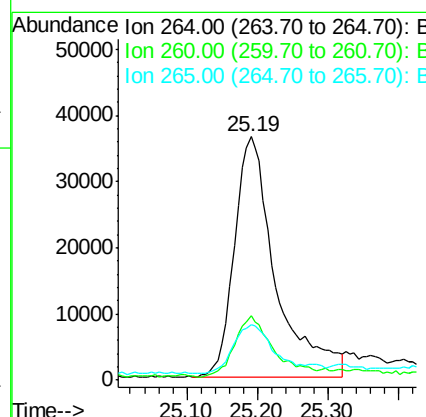
Manual Integrations
APPROVED

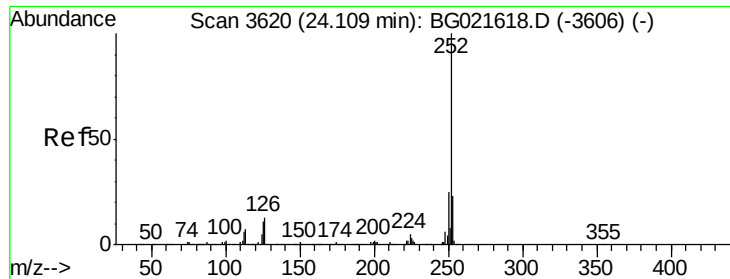
Sohil
4/21/2016 10:38:04 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.19 min Scan# 3804
Delta R.T. 0.02 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Tgt Ion:	264	Resp:	148940
Ion Ratio	Lower	Upper	
264	100		
260	26.3	20.2	30.4
265	22.8	17.8	26.8





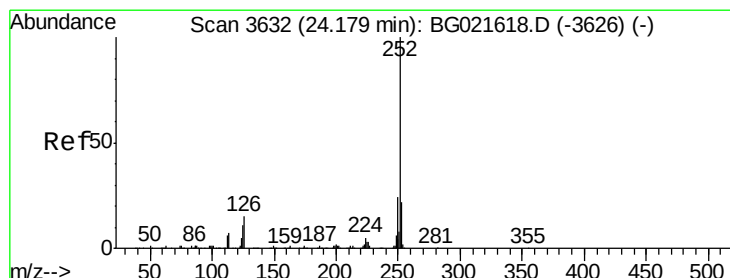
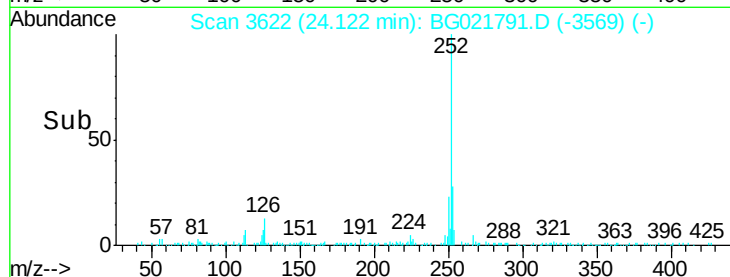
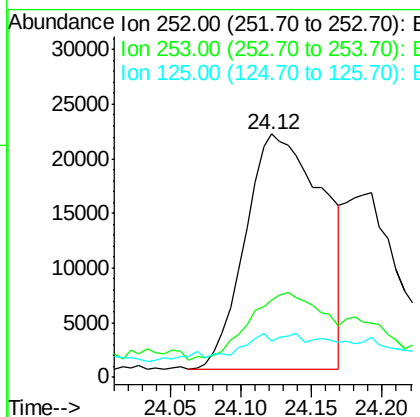
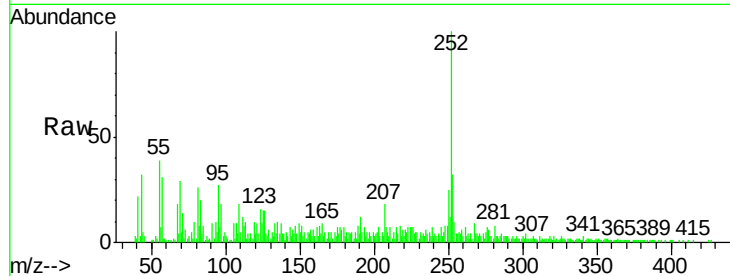
#87
Benzo(b)fluoranthene
Concen: 9.61 ng
RT: 24.12 min Scan# 3622
Delta R.T. 0.01 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.5	26.3#
125	15.0	8.6	13.0#

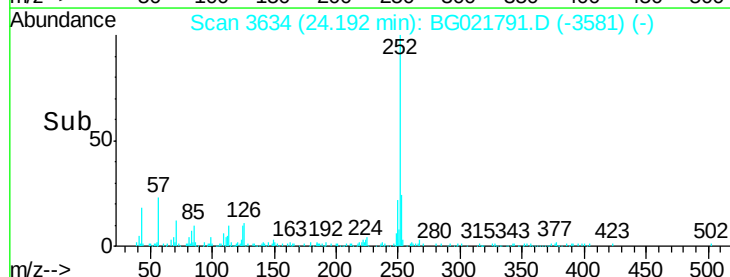
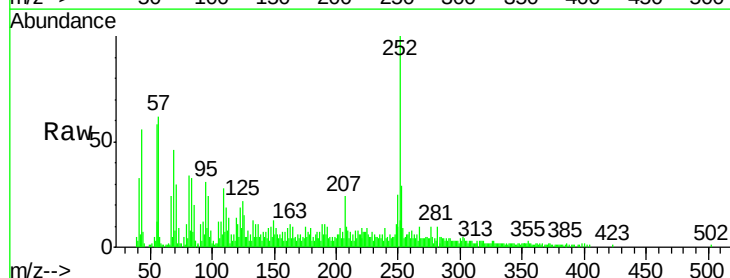
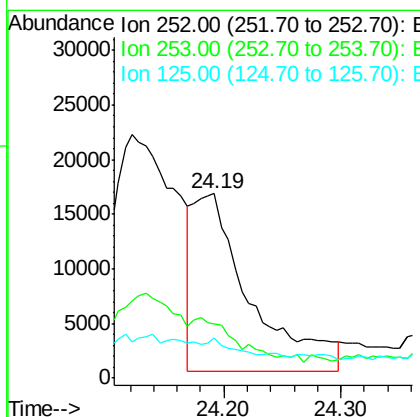
Manual Integrations
APPROVED

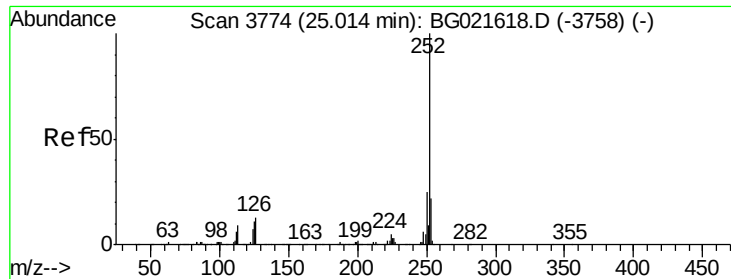
Sohil
4/21/2016 10:38:04 AM



#88
Benzo(k)fluoranthene
Concen: 6.54 ng m
RT: 24.19 min Scan# 3634
Delta R.T. 0.01 min
Lab File: BG021791.D
Acq: 20 Apr 2016 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.8	26.8#
125	21.7	8.3	12.5#





#89

Benzo(a)pyrene

Concen: 8.14 ng/mL

RT: 25.03 min Scan# 3777

Delta R.T. 0.02 min

Lab File: BG021791.D

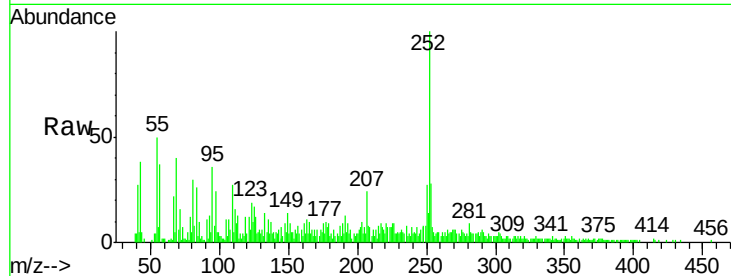
Acq: 20 Apr 2016 19:03

Instrument :

BNA_G

ClientSampleId :

SP-2-B-2(0-2)



Tot Ion:	252	Resp:	68166
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.1	25.7#
125	16.7	9.6	14.4#

Manual Integrations
APPROVED

Sohil
4/21/2016 10:38:04 AM

