Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020680.D
Acq On : 12 Jan 2016 16:31
Operator : SJ/IZ
Sample : H1094-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC952

Manual Integrations APPROVED
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1/13/2016 3:30:53 PM

Quant Time: Jan 13 02:56:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 02:39:33 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	15400	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	65927	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	47598	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	127604	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	157676	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	150127	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	1085	3.44	ng/uL	0.00
5) Phenol-d5	7.21	99	23615	17.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	16951	21.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	20681	19.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	19451	17.47	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	10924	21.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	12463	20.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	22211	19.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	24695	21.68	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	91915	22.13	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	100332	21.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.89	143	9263m	16.61	ng/ul	0.00
58) Fluorene-d10	15.68	176	81131	21.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	11927	17.19	ng/ul	0.00
71) Anthracene-d10	17.53	188	139094	22.24	ng/ul	0.00
79) Pyrene-d10	19.81	212	180250	24.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	188419	23.55	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.13	163	36323	8.14	ng/ul	99
70) Phenanthrene	17.47	178	13133	1.73	ng/ul	97
77) Fluoranthene	19.48	202	27344	2.96	ng/ul#	96
80) Pyrene	19.84	202	31218	3.12	ng/ul	98
83) Benzo(a)anthracene	21.68	228	15222	1.55	ng/ul	95
85) Chrysene	21.75	228	14605	1.57	ng/ul	99
88) Benzo(b)fluoranthene	23.93	252	17294	1.79	ng/ul#	98
91) Benzo(a)pyrene	24.79	252	14199	1.53	ng/ul	99

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

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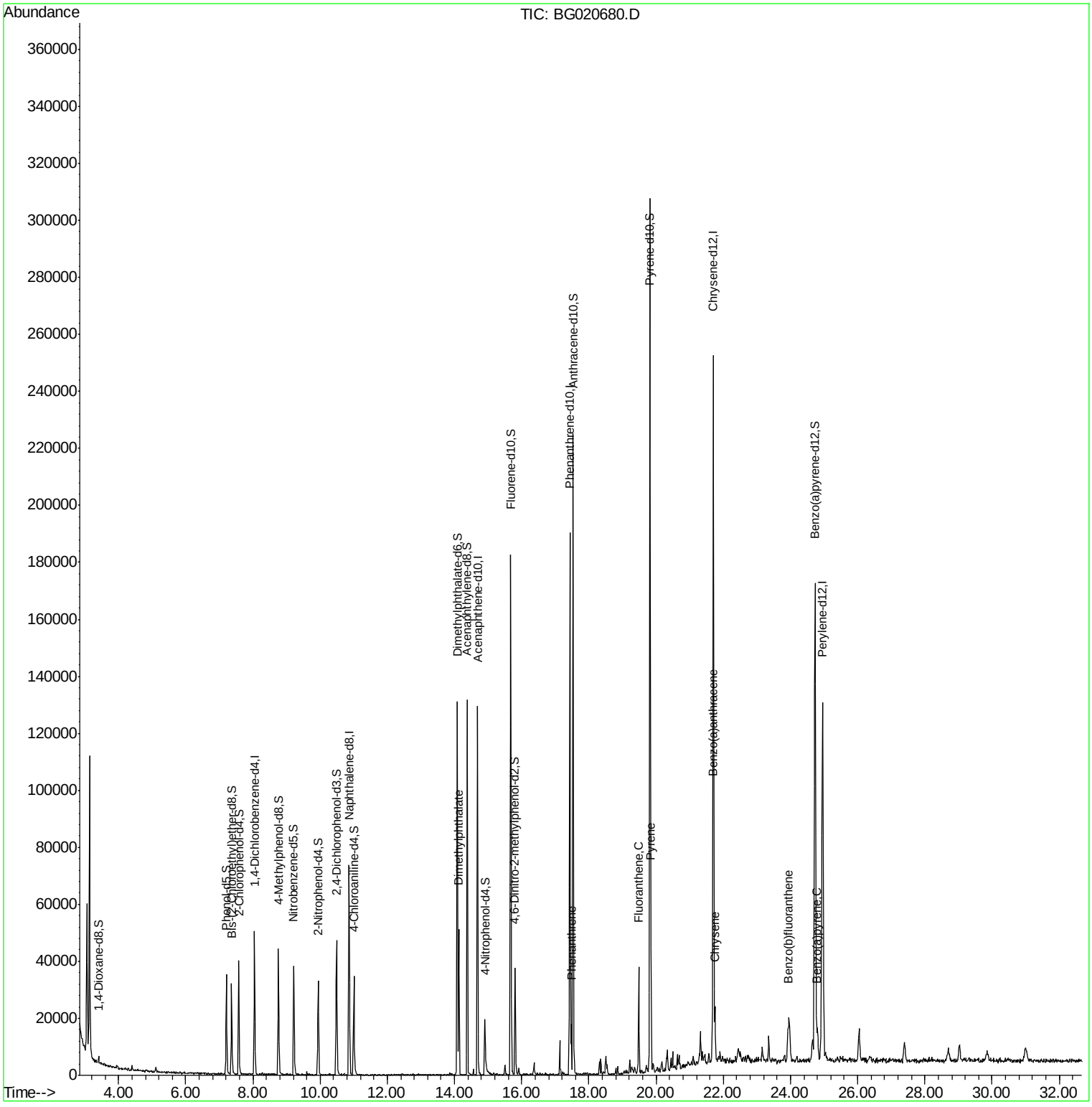
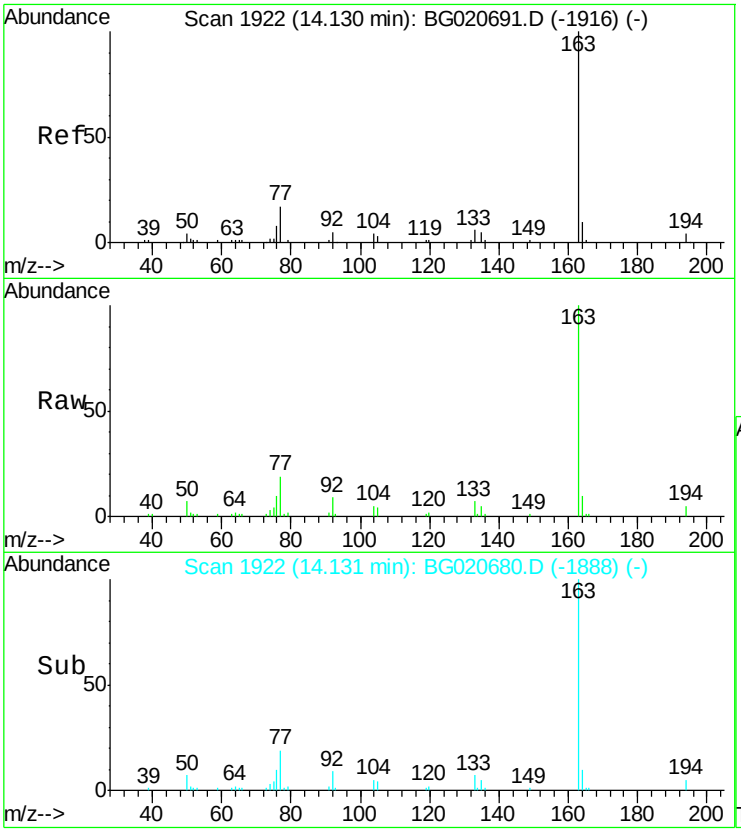
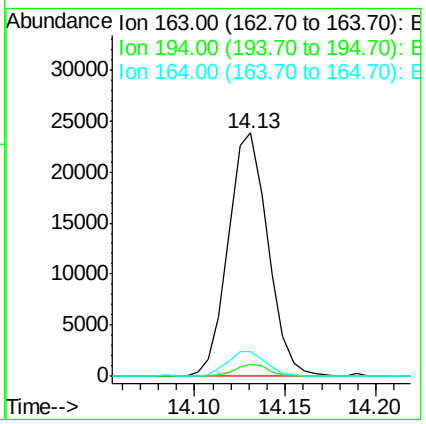




#45
Dimethylphthalate
Concen: 8.14 ng/ul
RT: 14.13 min Scan# 1922
Delta R.T. -0.00 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:163 Resp: 36323

Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.0	6.0
164	10.1	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
BC952

Manual Integrations APPROVED
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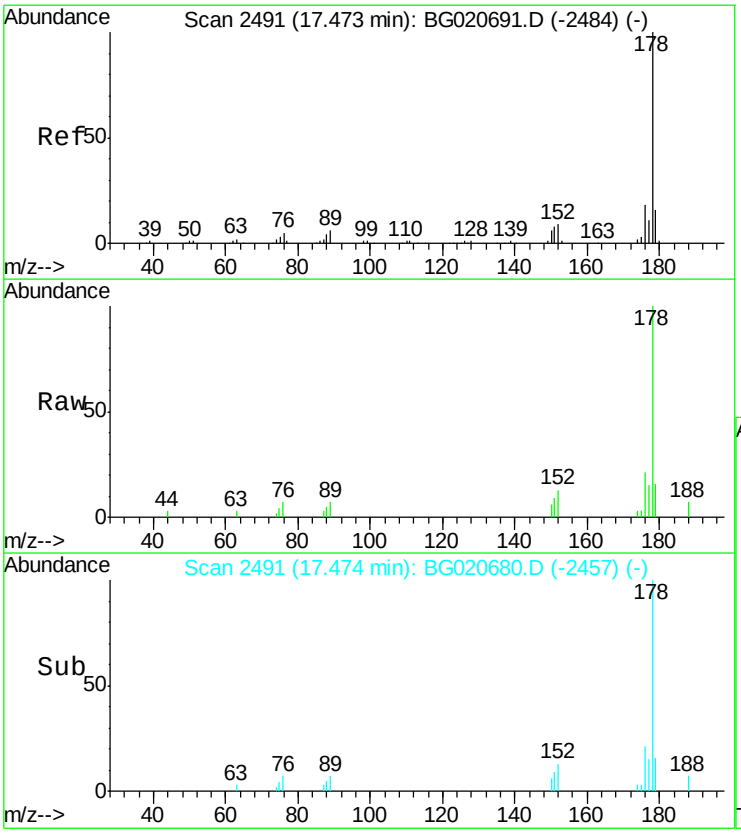
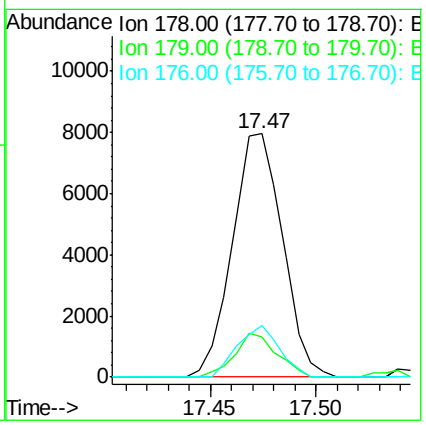
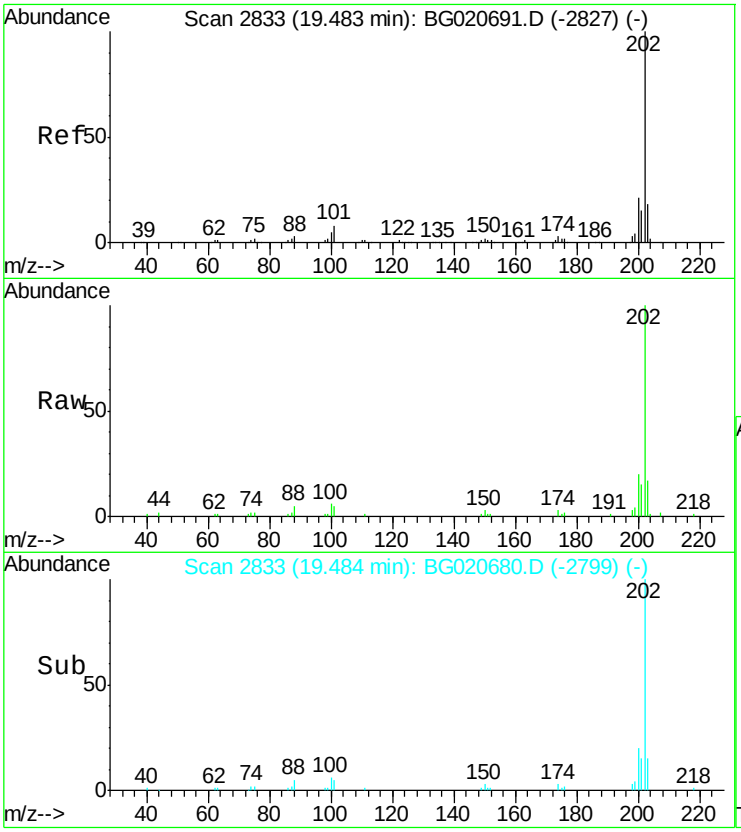


#70
Phenanthrene
Concen: 1.73 ng/ul
RT: 17.47 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:178 Resp: 13133

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	21.2	15.4	23.0





#77
Fluoranthene
Concen: 2.96 ng/ul
RT: 19.48 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:202 Resp: 27344

Ion	Ratio	Lower	Upper
202	100		
101	5.1	6.1	9.1#
100	5.6	4.6	7.0

Instrument :
BNA_G
ClientSampleId :
BC952

Manual Integrations APPROVED
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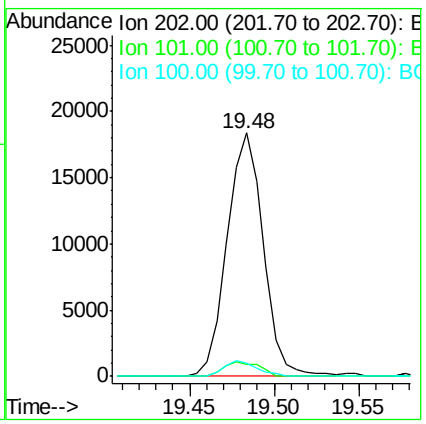
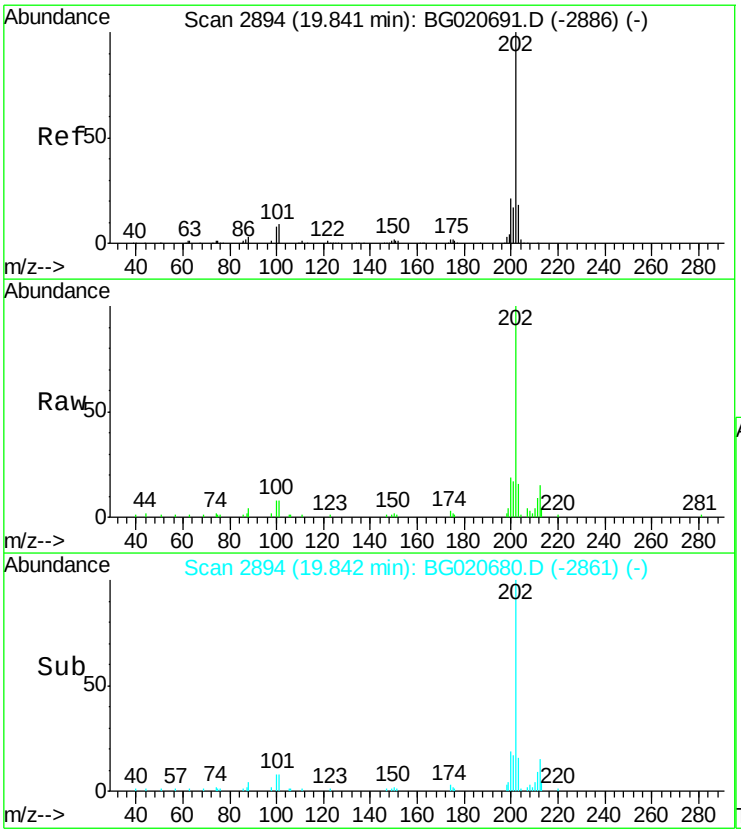
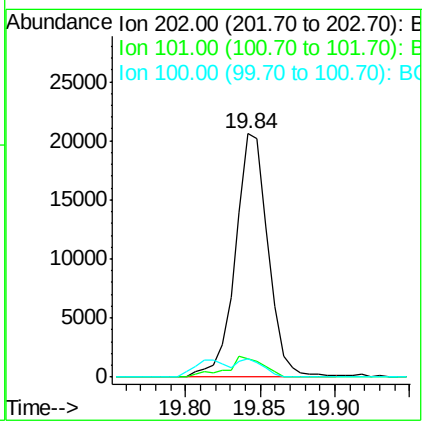


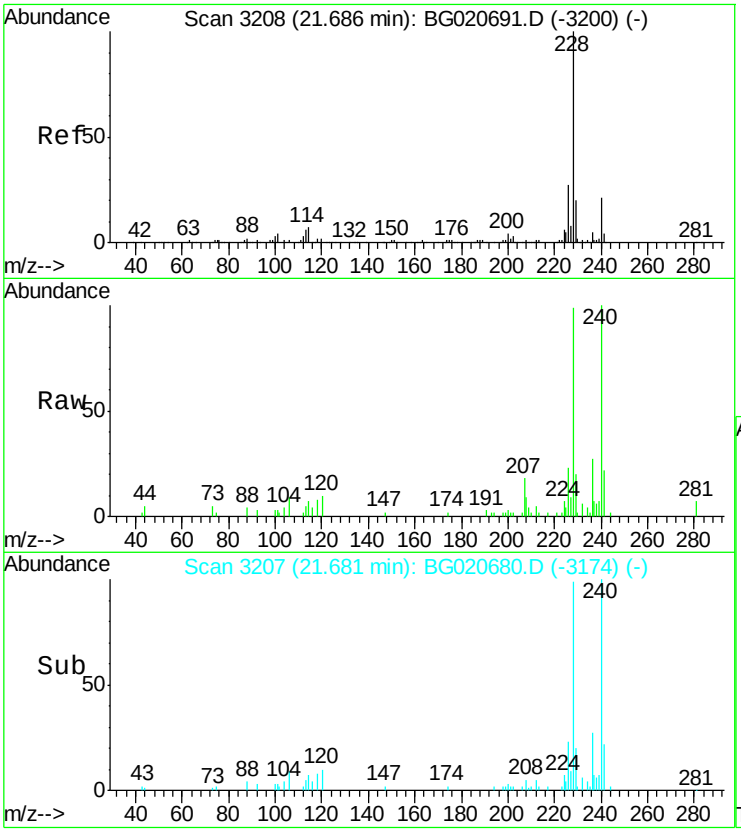


#80
Pyrene
Concen: 3.12 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. -0.01 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:202 Resp: 31218

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.9	10.3
100	7.7	5.6	8.4

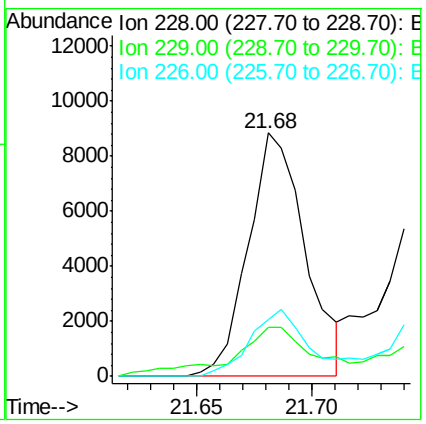




#83
Benzo(a)anthracene
Concen: 1.55 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:228 Resp: 15222

Ion	Ratio	Lower	Upper
228	100		
229	20.2	16.0	24.0
226	23.2	21.8	32.8



Instrument :
BNA_G
ClientSampleId :
BC952

Manual Integrations APPROVED
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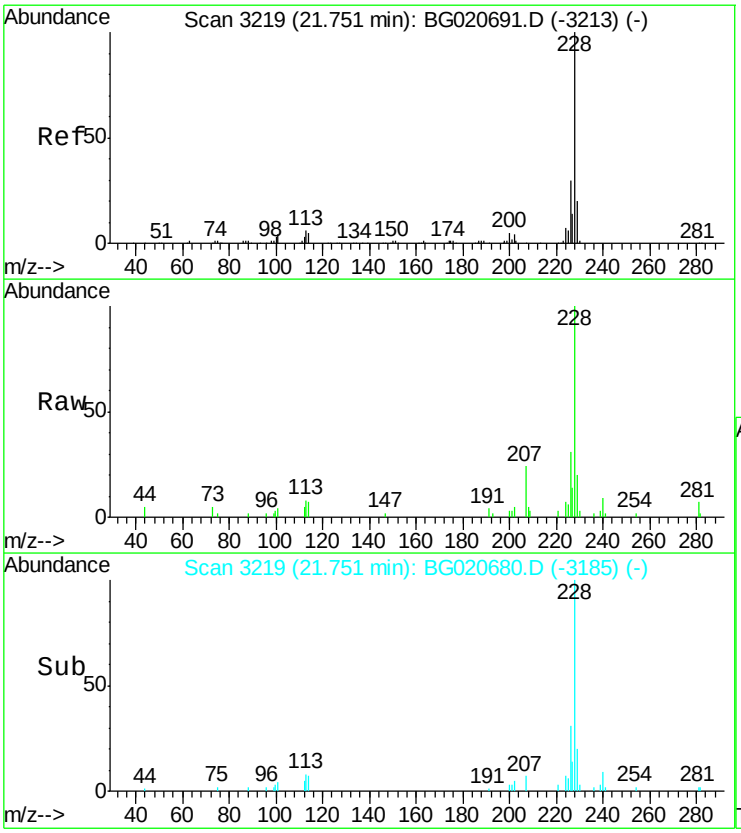
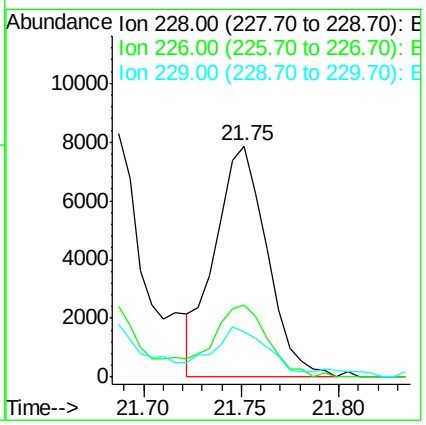
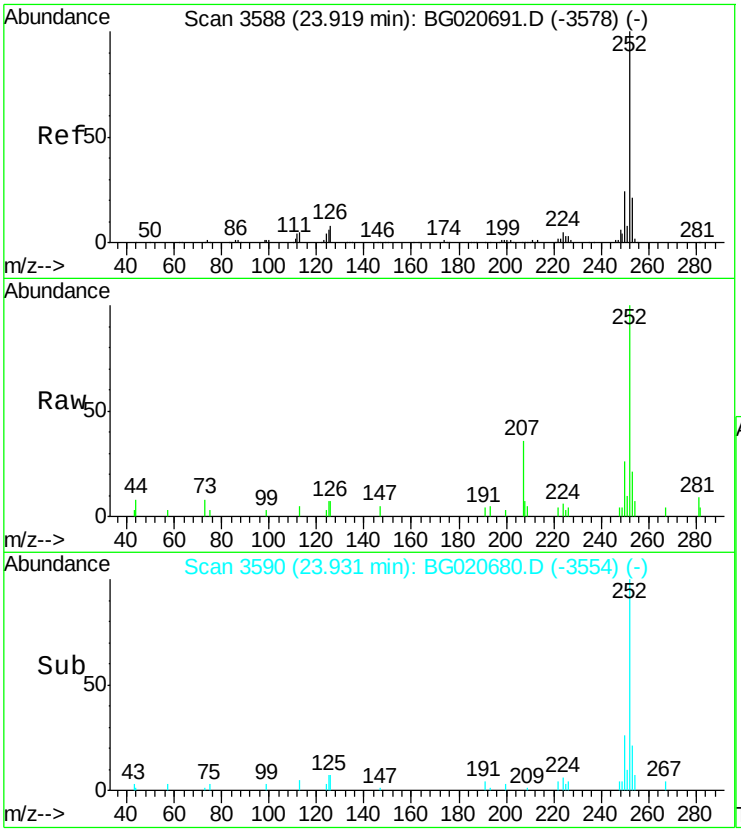


#85
Chrysene
Concen: 1.57 ng/ul
RT: 21.75 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:228 Resp: 14605

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.1	36.1
229	19.8	16.0	24.0





#88
Benzo(b)fluoranthene
Concen: 1.79 ng/ul
RT: 23.93 min Scan# 3590
Delta R.T. 0.01 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:252 Resp: 17294

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	7.4	4.9	7.3#

Instrument :
BNA_G
ClientSampleId :
BC952

Manual Integrations APPROVED
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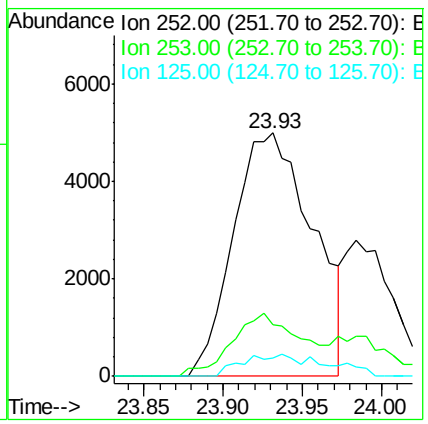
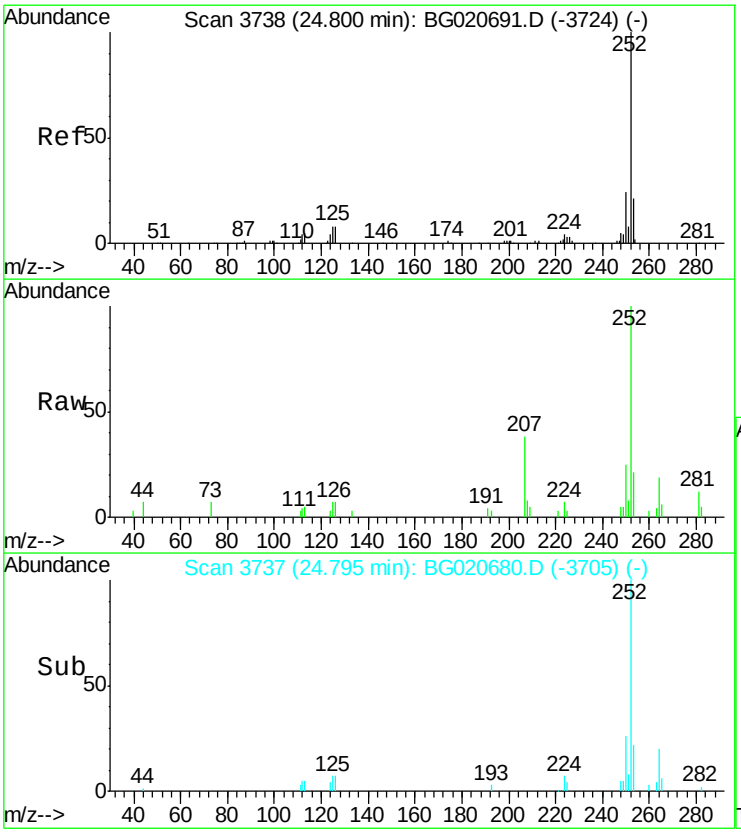
1/13/2016 3:30:53 PM





#91
Benzo(a)pyrene
Concen: 1.53 ng/ul
RT: 24.79 min Scan# 3737
Delta R.T. -0.01 min
Lab File: BG020680.D
Acq: 12 Jan 2016 16:31

Tgt Ion:252 Resp: 14199

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	6.6	5.8	8.6