Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020694.D
Acq On : 13 Jan 2016 6:19
Operator : SJ/IZ
Sample : H1094-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E7

Manual Integrations APPROVED
MMdadoda
1/13/2016 3:31:13 PM

Quant Time: Jan 13 08:08:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 07:56:00 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	16491	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	71930	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	52870	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	145797	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	174660	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	162874	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.40	96	1115	3.30	ng/uL	0.00
5) Phenol-d5	7.21	99	26660	18.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	17362	20.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	22148	19.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	17465	14.65	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	11991	21.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	13701	20.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	23655	18.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	24473	19.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	100331	21.75	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	113630	21.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	9784	15.79	ng/ul	0.00
58) Fluorene-d10	15.67	176	94133	22.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	14444	18.22	ng/ul	0.00
71) Anthracene-d10	17.53	188	163732	22.91	ng/ul	0.00
79) Pyrene-d10	19.81	212	196157	23.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	209446	24.12	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.13	163	33668	6.79	ng/ul#	99
70) Phenanthrene	17.47	178	91243	10.52	ng/ul	99
72) Anthracene	17.56	178	12023	1.37	ng/ul	98
77) Fluoranthene	19.48	202	148624	14.09	ng/ul	98
80) Pyrene	19.84	202	180633	16.31	ng/ul	98
83) Benzo(a)anthracene	21.68	228	83528	7.67	ng/ul	99
85) Chrysene	21.75	228	91904	8.92	ng/ul	98
88) Benzo(b)fluoranthene	23.92	252	84111m	8.02	ng/ul	
89) Benzo(k)fluoranthene	23.97	252	26036	2.51	ng/ul	97
91) Benzo(a)pyrene	24.80	252	65018	6.44	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.67	276	38110	3.20	ng/ul	96
94) Benzo(g,h,i)perylene	29.85	276	36209	3.68	ng/ul	100

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

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Instrument :
BNA_G
ClientSampleId :
BC9E7

Manual Integrations APPROVED
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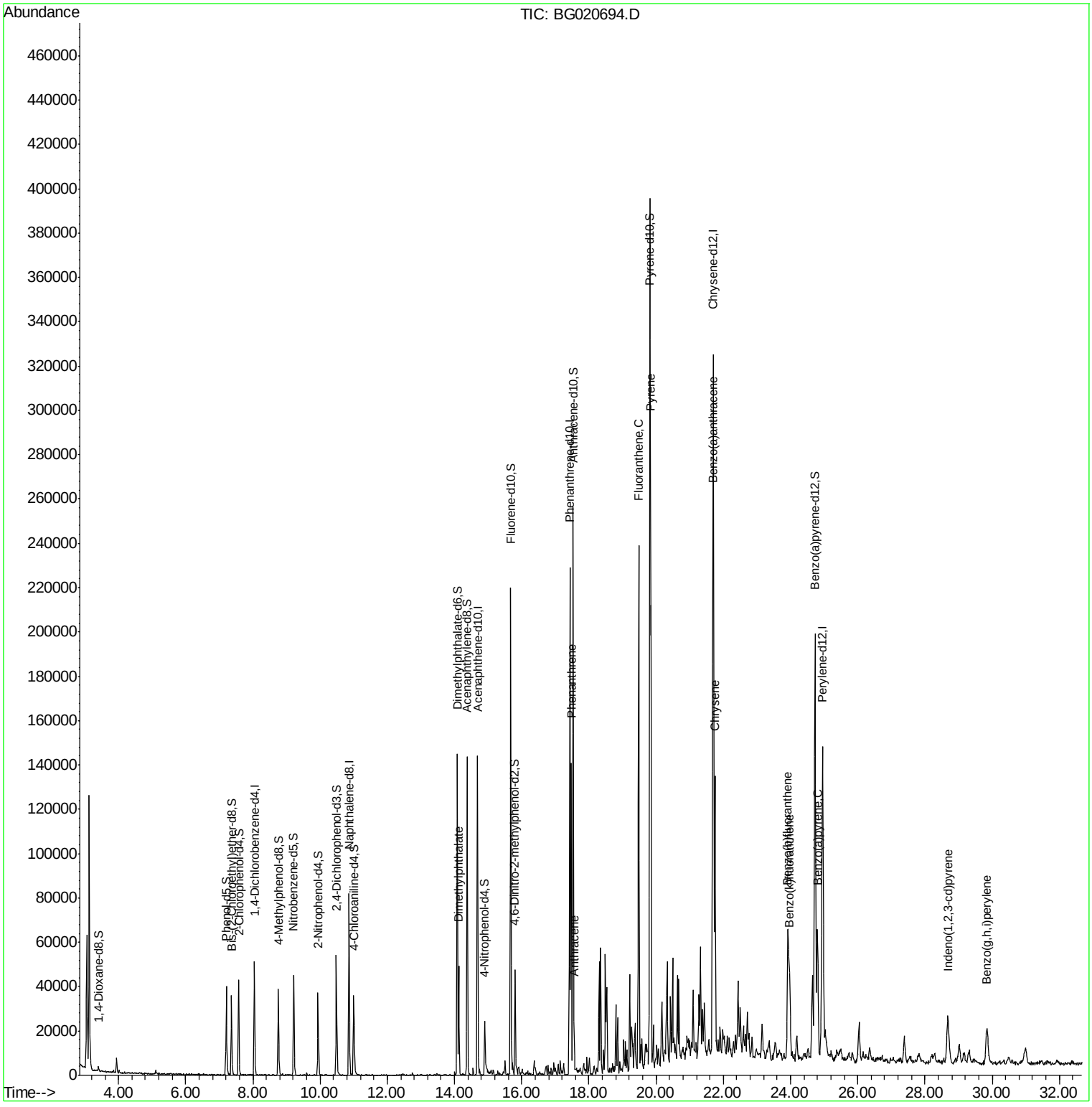

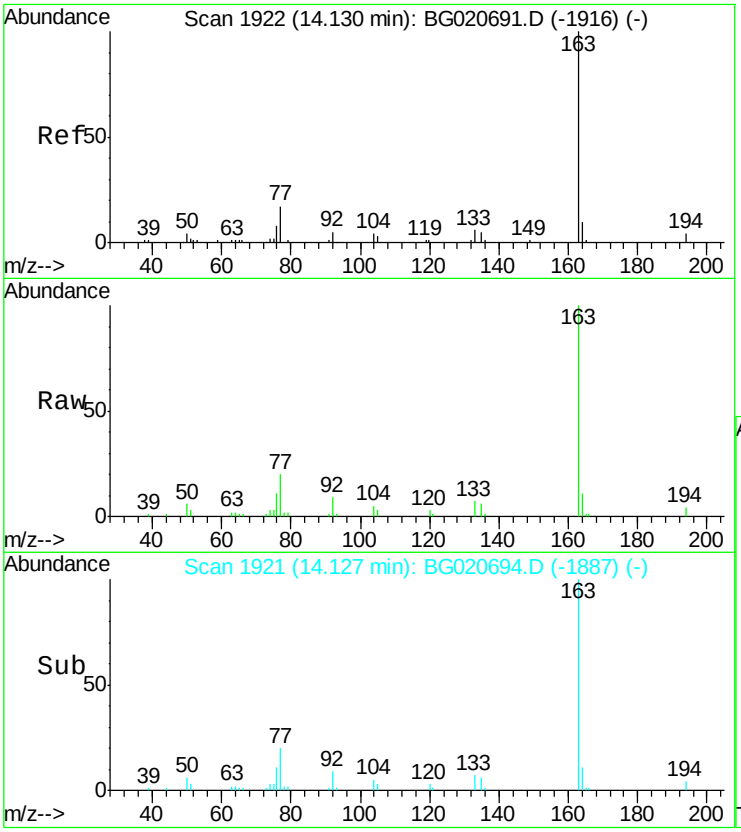

#45
Dimethylphthalate
Concen: 6.79 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:163 Resp: 33668

Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.6	8.4	12.6

Instrument :
BNA_G
ClientSampleId :
BC9E7

Manual Integrations APPROVED
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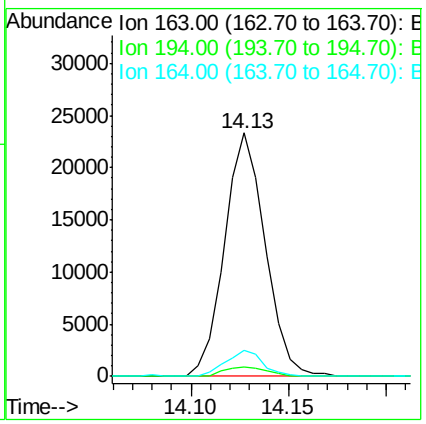
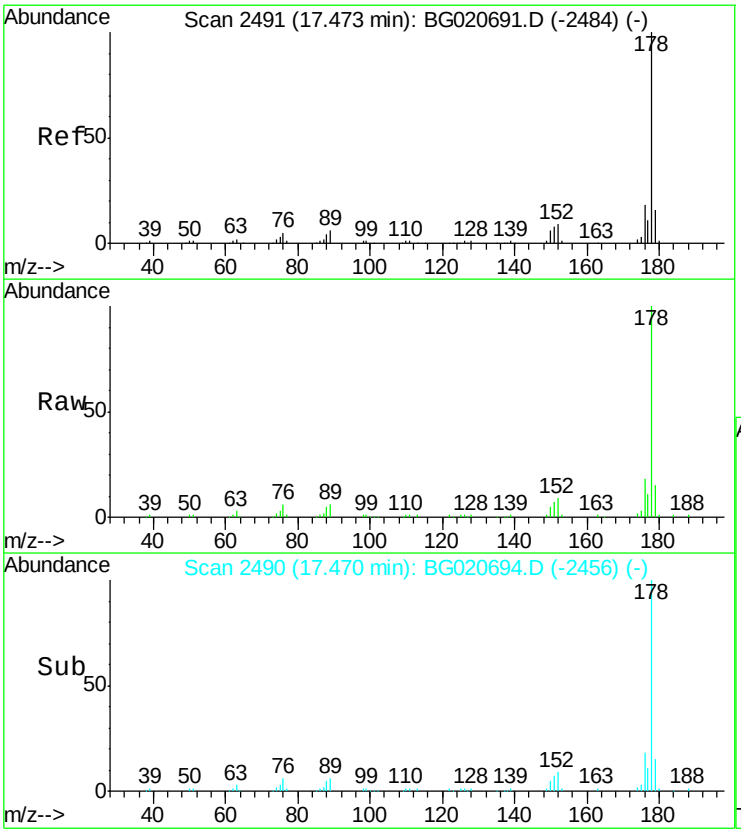
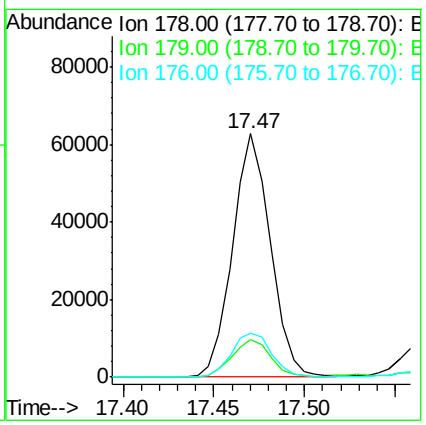


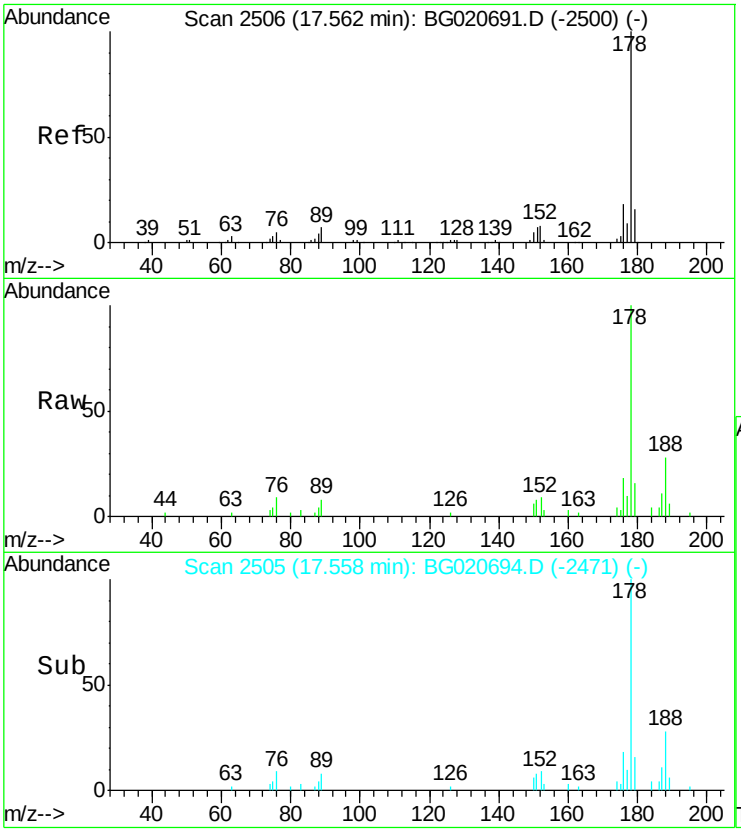


#70
Phenanthrene
Concen: 10.52 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:178 Resp: 91243

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.2	15.4	23.0

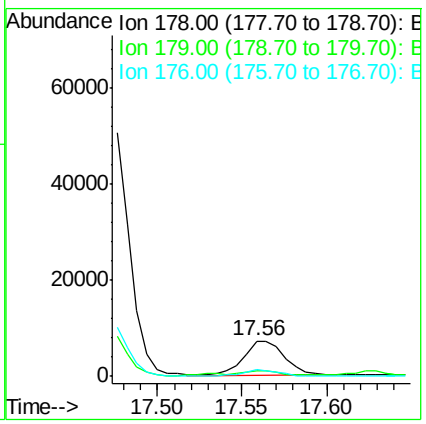




#72
Anthracene
Concen: 1.37 ng/ul
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:178 Resp: 12023

Ion	Ratio	Lower	Upper
178	100		
179	16.3	13.4	20.2
176	18.2	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
BC9E7

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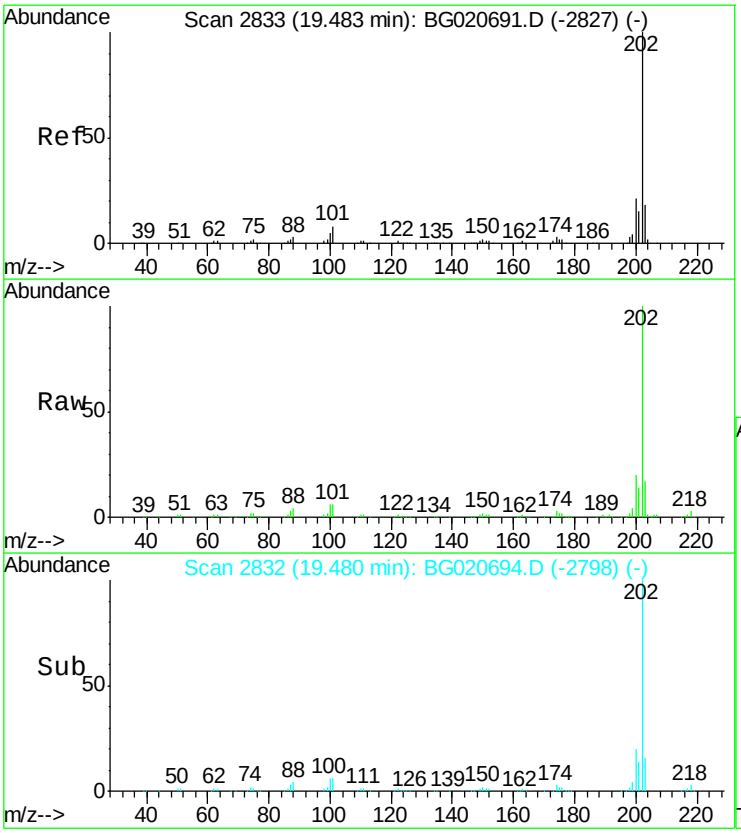
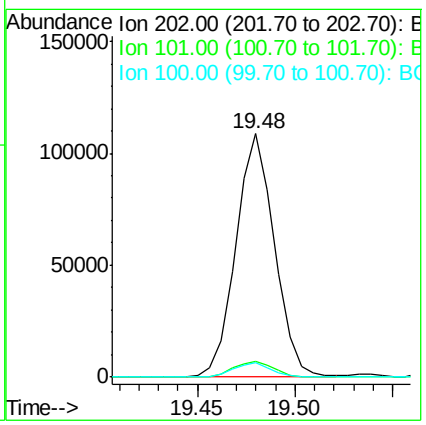
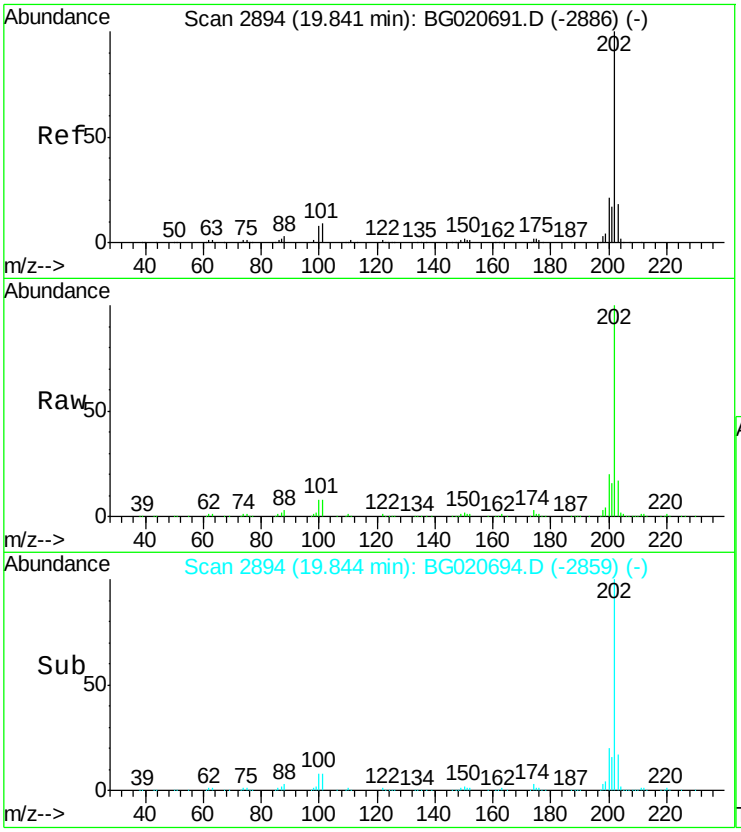


#77
Fluoranthene
Concen: 14.09 ng/ul
RT: 19.48 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:202 Resp: 148624

Ion	Ratio	Lower	Upper
202	100		
101	6.4	6.1	9.1
100	6.1	4.6	7.0





#80
Pyrene
Concen: 16.31 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. 0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:202 Resp: 180633

Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.9	10.3
100	7.5	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
BC9E7

Manual Integrations APPROVED
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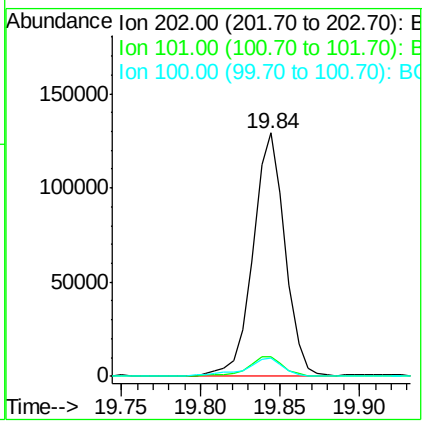
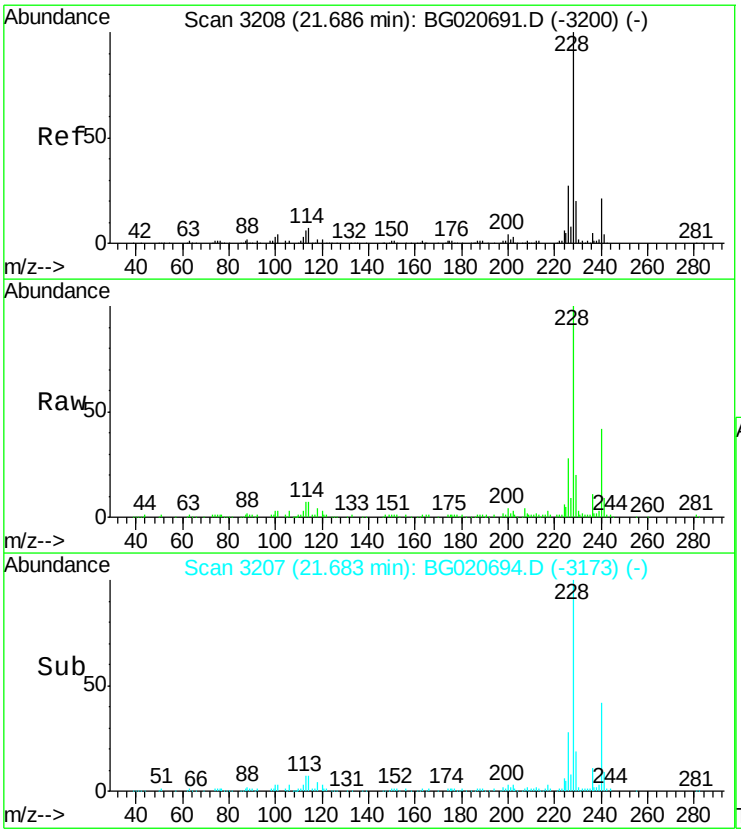
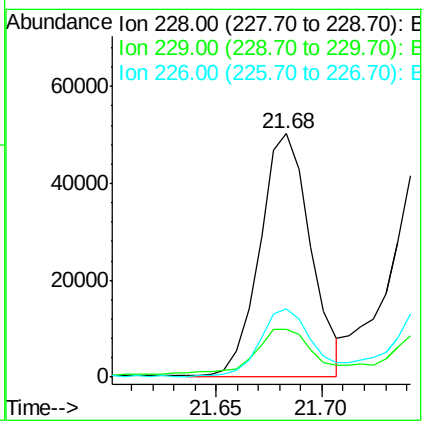


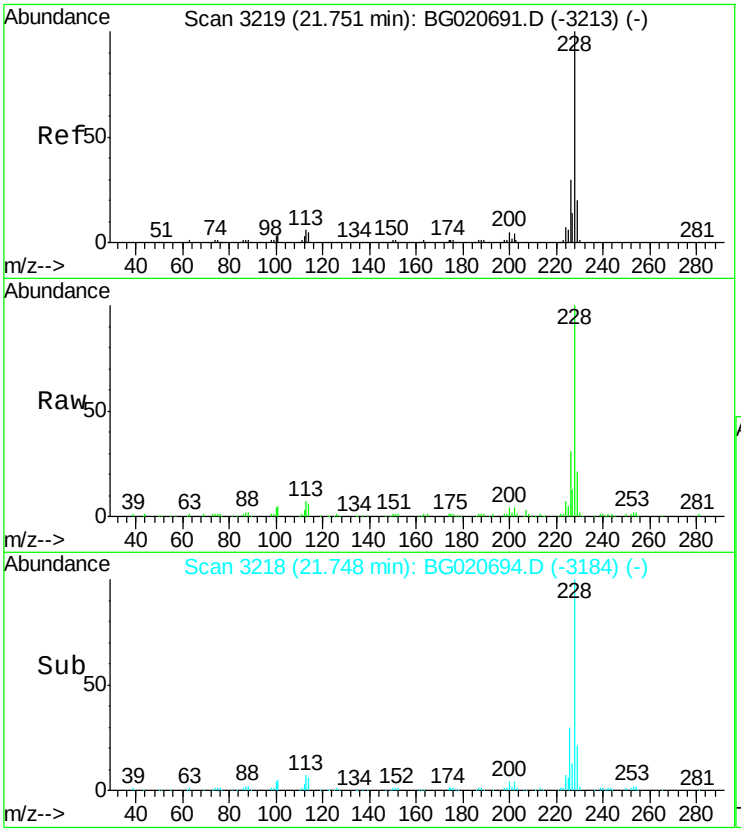


#83
Benzo(a)anthracene
Concen: 7.67 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:228 Resp: 83528

Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.0	24.0
226	28.2	21.8	32.8

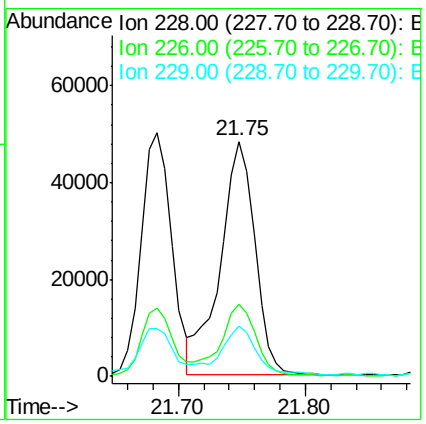




#85
Chrysene
Concen: 8.92 ng/ul
RT: 21.75 min Scan# 3218
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:228 Resp: 91904

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.1	36.1
229	21.4	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
BC9E7

Manual Integrations APPROVED
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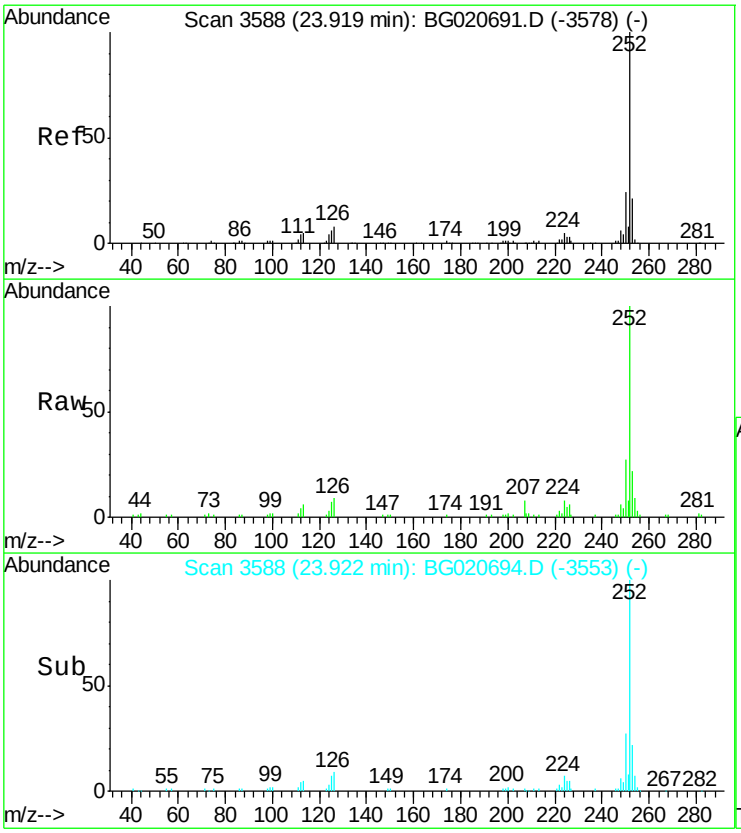
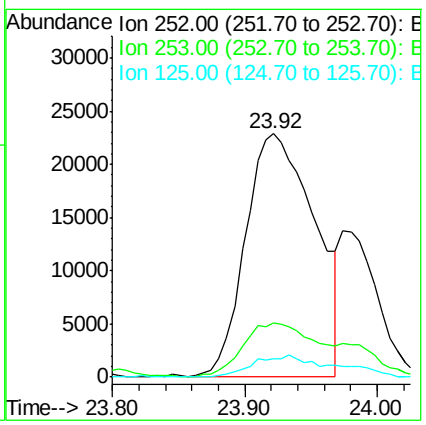
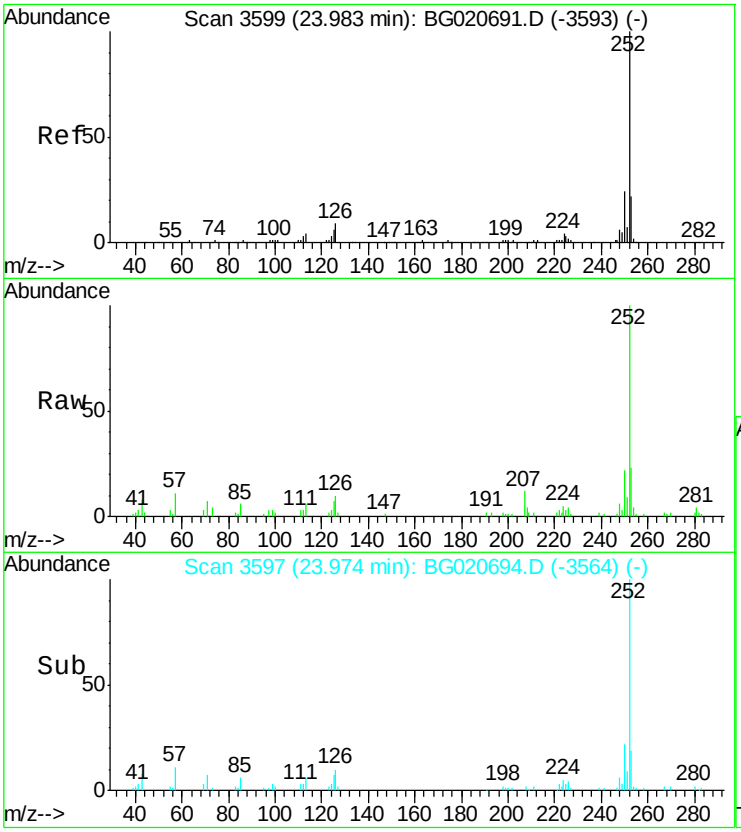


#88
Benzo(b)fluoranthene
Concen: 8.02 ng/ul m
RT: 23.92 min Scan# 3588
Delta R.T. 0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:252 Resp: 84111

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	7.4	4.9	7.3#

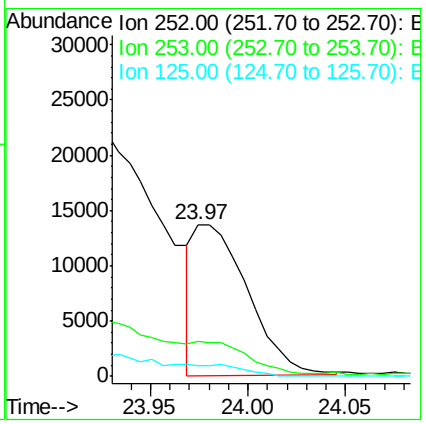




#89
Benzo(k)fluoranthene
Concen: 2.51 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:252 Resp: 26036

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	7.1	5.4	8.0



Instrument :
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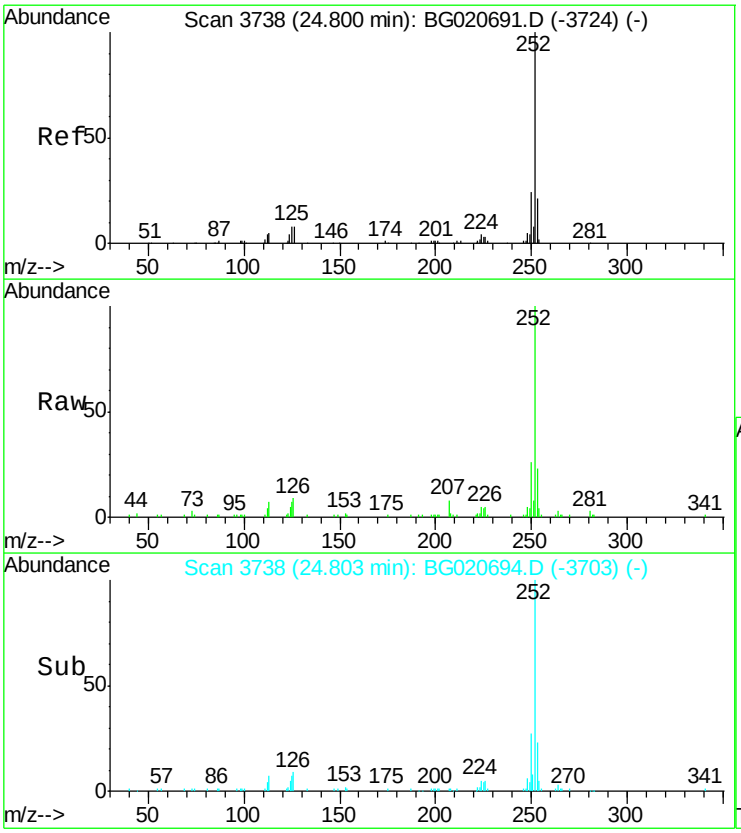
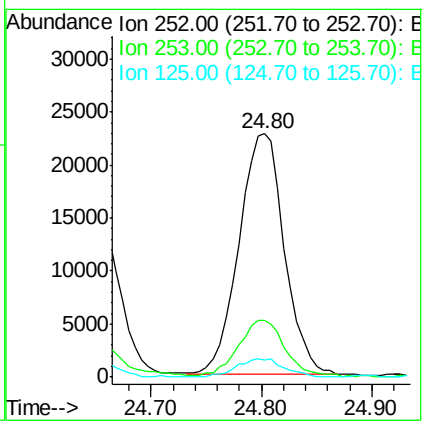
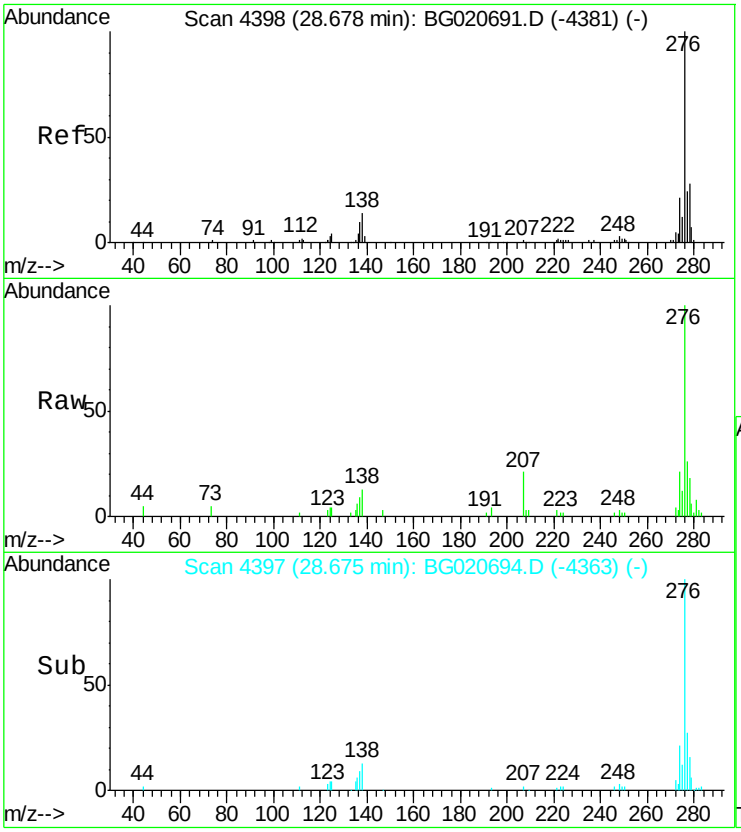


#91
Benzo(a)pyrene
Concen: 6.44 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. 0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:252 Resp: 65018

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	7.1	5.8	8.6





#92
Indeno(1,2,3-cd)pyrene
Concen: 3.20 ng/ul
RT: 28.67 min Scan# 4397
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:276 Resp: 38110

Ion	Ratio	Lower	Upper
276	100		
138	13.0	10.9	16.3
277	26.0	18.9	28.3

Instrument :
BNA_G
ClientSampleId :
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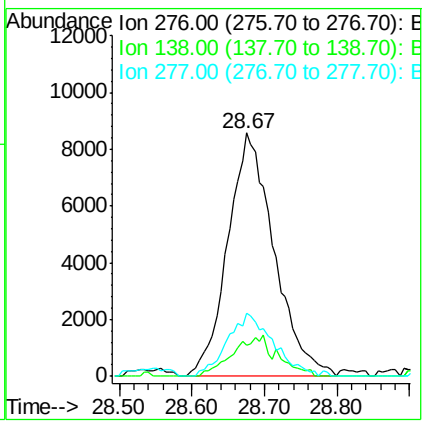

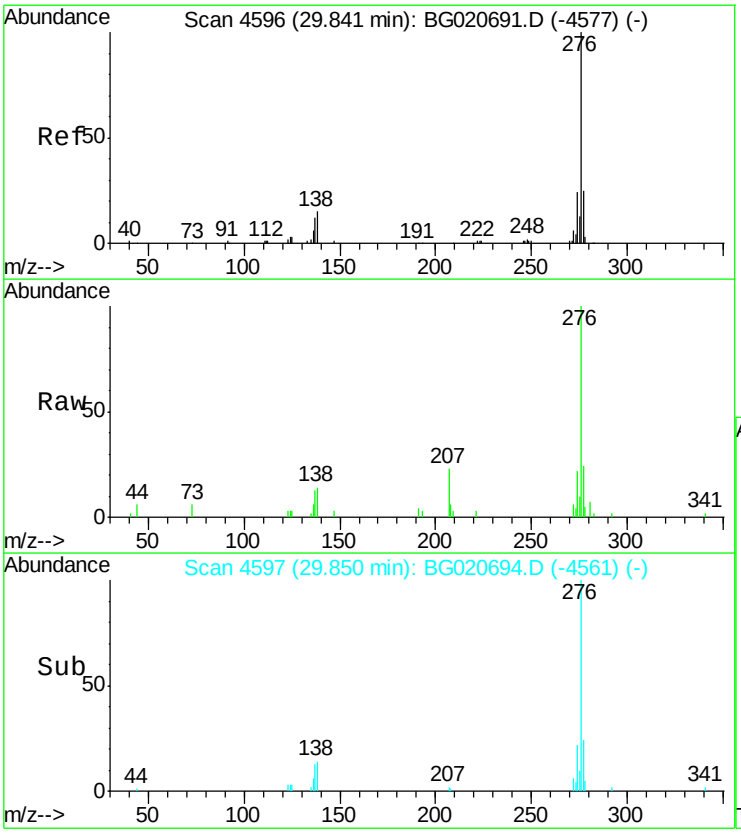

#94
Benzo(g,h,i)perylene
Concen: 3.68 ng/ul
RT: 29.85 min Scan# 4597
Delta R.T. 0.01 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:276 Resp: 36209

Ion	Ratio	Lower	Upper
276	100		
138	14.3	11.2	16.8
277	23.7	19.0	28.6