Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023660.D
Acq On : 12 Aug 2016 17:47
Operator : UM/SJ
Sample : H4384-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0612-01

Manual Integrations APPROVED
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Quant Time: Aug 13 04:01:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	135904	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.96	136	603785	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	427597	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.56	188	1024081	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1014045	20.00	ng/ul	-0.01
83) Perylene-d12	25.31	264	1042693	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	6803	2.13	ng/uL	0.00
5) Phenol-d5	7.27	99	183504	13.40	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	123757	14.11	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.64	132	130208	13.94	ng/ul	-0.02
13) 4-Methylphenol-d8	8.84	113	144129	13.48	ng/ul	-0.01
19) Nitrobenzene-d5	9.30	128	76126	16.00	ng/ul	0.00
22) 2-Nitrophenol-d4	10.03	143	86791	15.88	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	152347	14.78	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.10	131	163777	13.54	ng/ul	-0.01
43) Dimethylphthalate-d6	14.19	166	567531	16.21	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	656900	16.67	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	86547	14.48	ng/ul	0.00
57) Fluorene-d10	15.79	176	513880	15.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	86040	13.10	ng/ul	-0.01
70) Anthracene-d10	17.66	188	781715	16.94	ng/ul	0.00
76) Pyrene-d10	19.95	212	818515	15.95	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.07	264	798048	16.91	ng/ul	-0.02
Target Compounds						Qvalue
44) Dimethylphthalate	14.23	163	202428	5.84	ng/ul	99
47) Acenaphthylene	14.52	152	45128	1.10	ng/ul	94
69) Phenanthrene	17.60	178	402512	7.59	ng/ul	99
74) Fluoranthene	19.62	202	553991m	10.20	ng/ul	
77) Pyrene	19.99	202	748432	11.94	ng/ul#	92
80) Benzo(a)anthracene	21.87	228	320334	5.61	ng/ul	96
82) Chrysene	21.94	228	354967	6.84	ng/ul#	95
85) Benzo(b)fluoranthene	24.21	252	307008	5.18	ng/ul#	94
86) Benzo(k)fluoranthene	24.29	252	104288m	1.79	ng/ul	
88) Benzo(a)pyrene	25.15	252	276032m	4.82	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.23	276	167198m	2.49	ng/ul	
91) Benzo(g,h,i)perylene	30.45	276	172415	3.09	ng/ul#	85

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

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Instrument :
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Manual Integrations APPROVED
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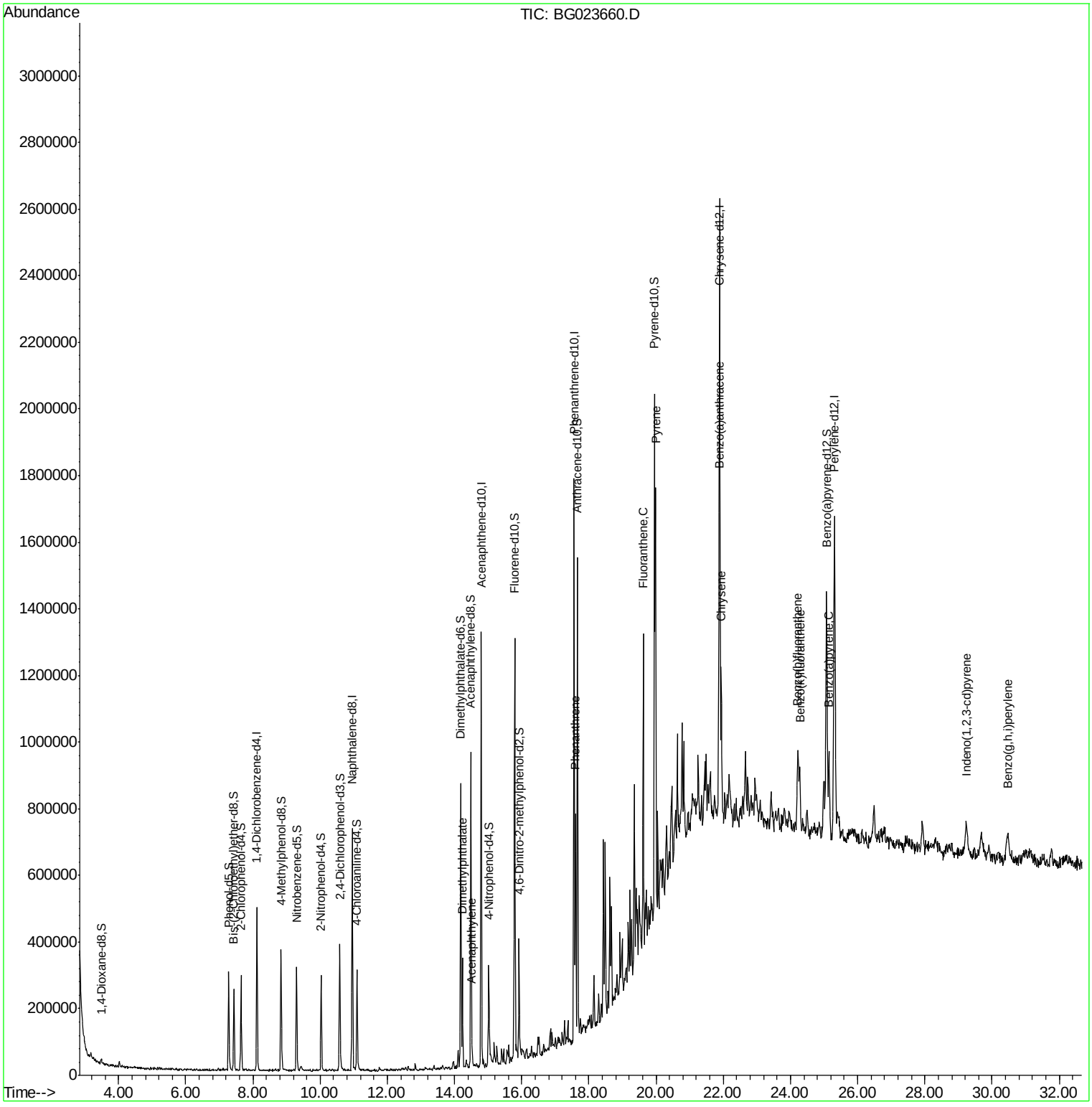
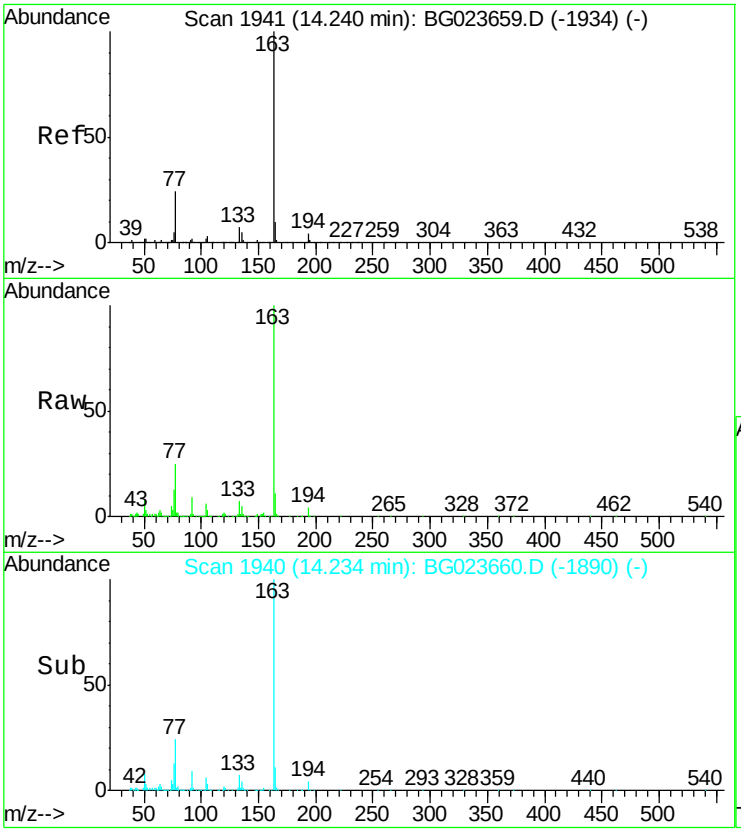
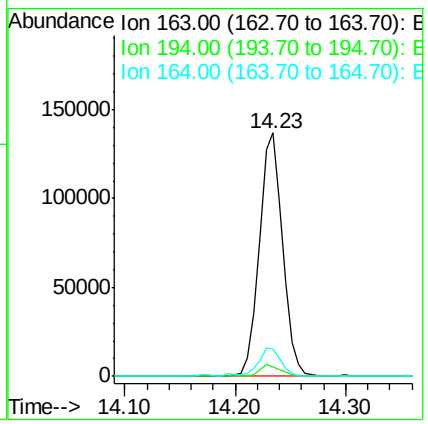




#44
Dimethylphthalate
Concen: 5.84 ng/ul
RT: 14.23 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:163 Resp: 202428

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	11.3	8.8	13.2



Instrument :
BNA_G
ClientSampleId :
P002-SS001-0612-01

Manual Integrations APPROVED
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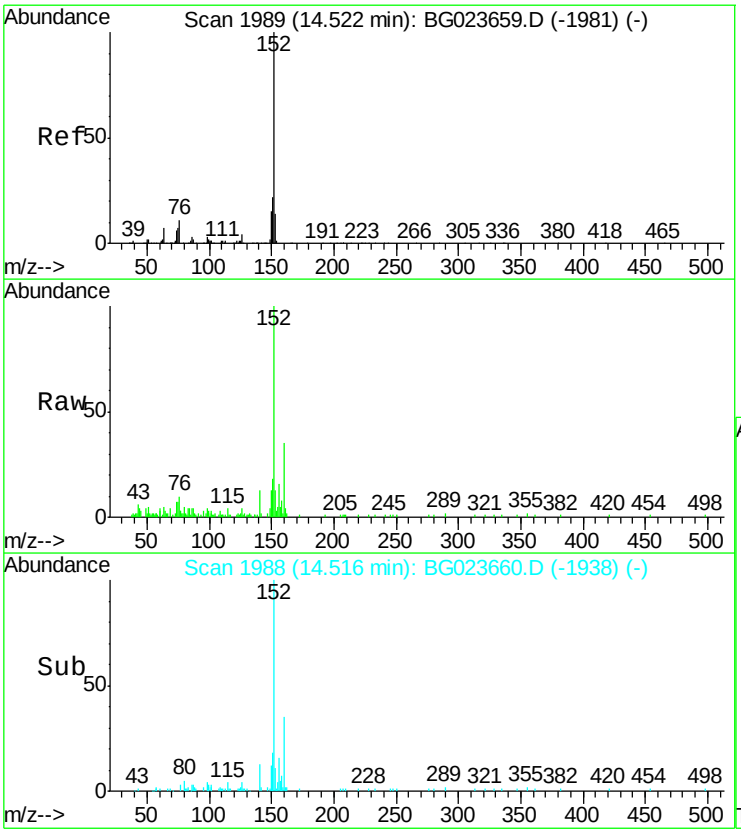
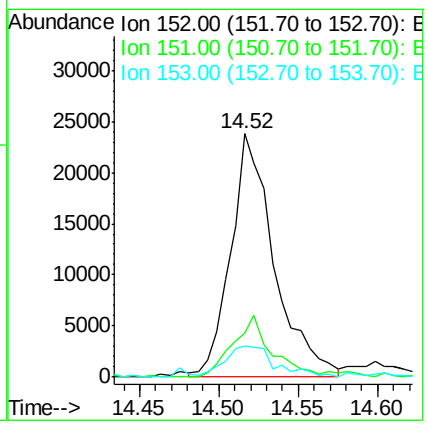
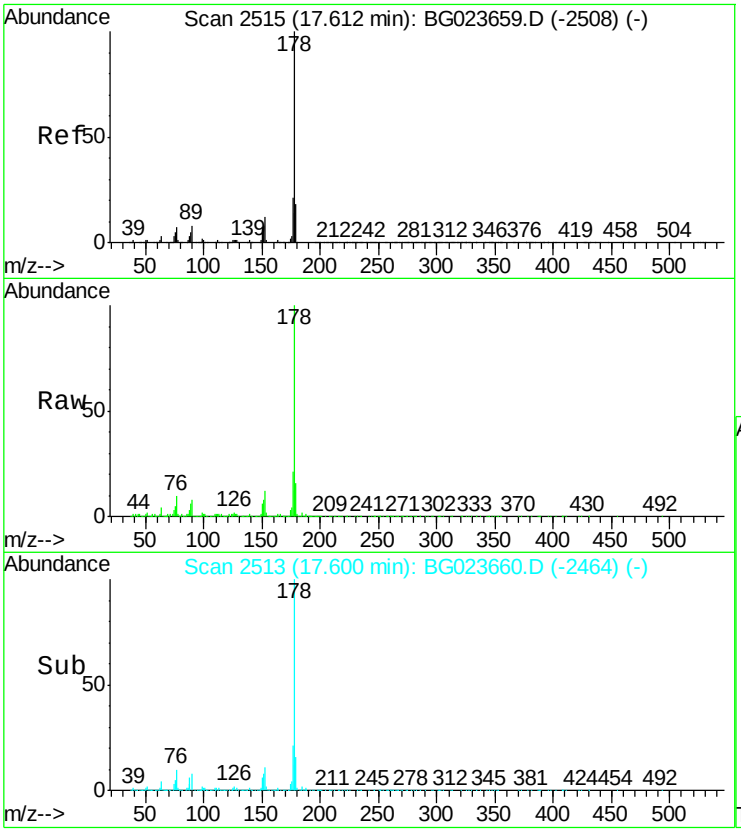


#47
Acenaphthylene
Concen: 1.10 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:152 Resp: 45128

Ion	Ratio	Lower	Upper
152	100		
151	18.0	17.5	26.3
153	12.6	11.1	16.7

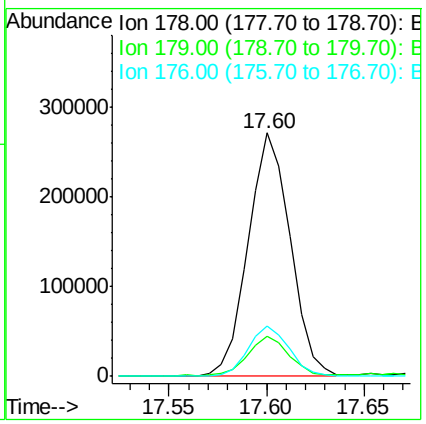




#69
Phenanthrene
Concen: 7.59 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:178 Resp: 402512

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.9	19.3
176	20.7	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
P002-SS001-0612-01

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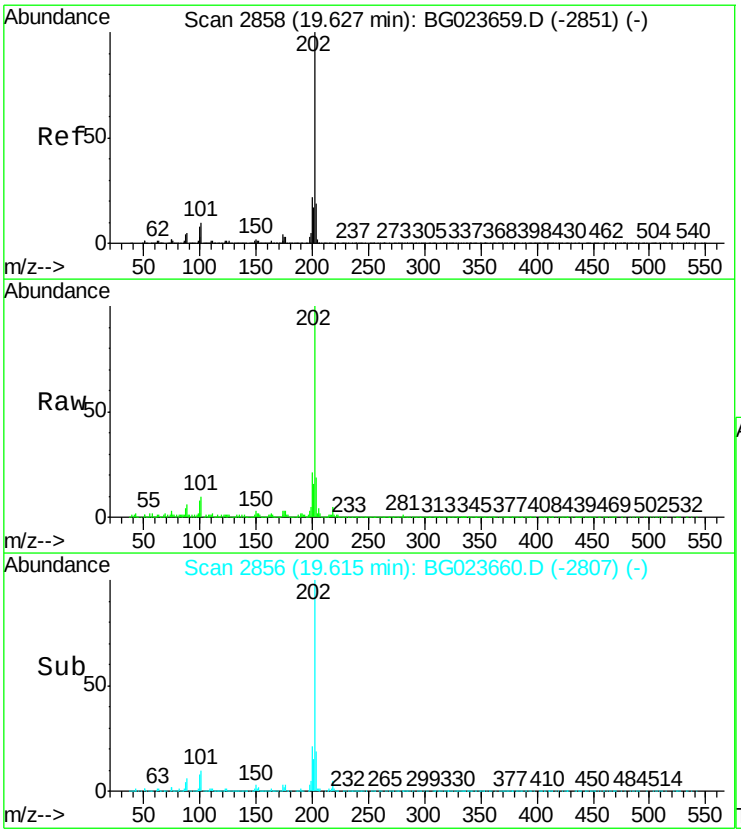
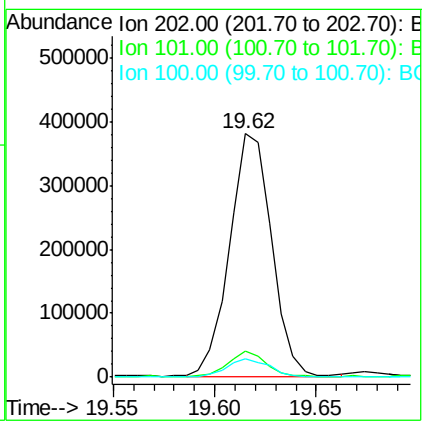
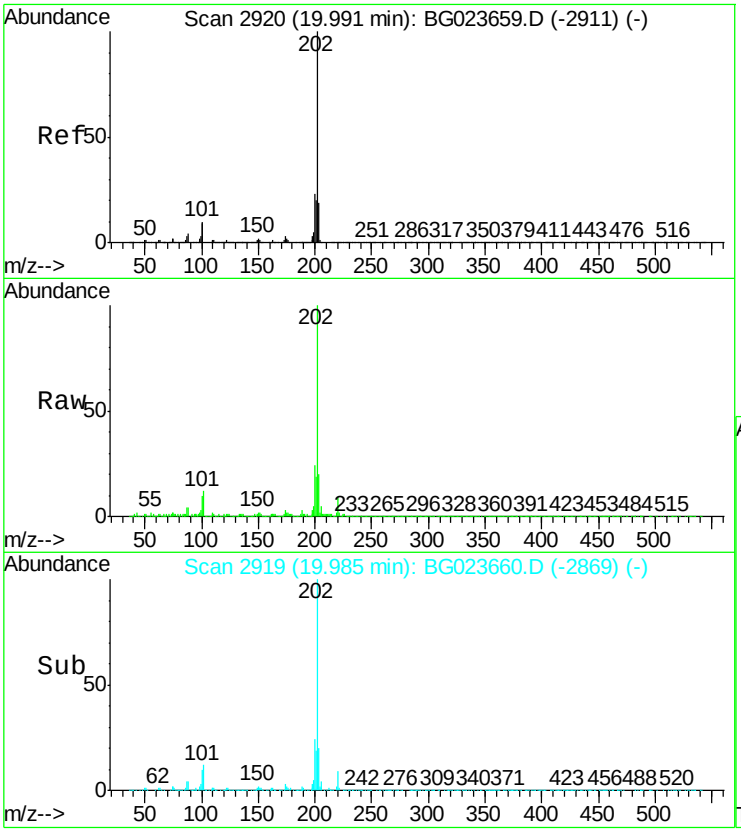


#74
Fluoranthene
Concen: 10.20 ng/ul m
RT: 19.62 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:202 Resp: 553991

Ion	Ratio	Lower	Upper
202	100		
101	10.5	10.6	16.0#
100	7.6	8.7	13.1#





#77
Pyrene
Concen: 11.94 ng/ul
RT: 19.99 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:202 Resp: 748432

Ion	Ratio	Lower	Upper
202	100		
101	12.0	12.5	18.7#
100	10.0	10.2	15.4#

Instrument :
BNA_G
ClientSampleId :
P002-SS001-0612-01

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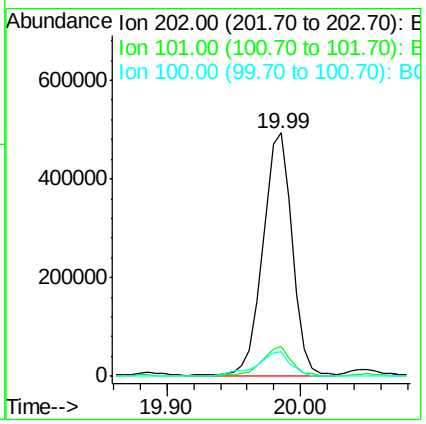
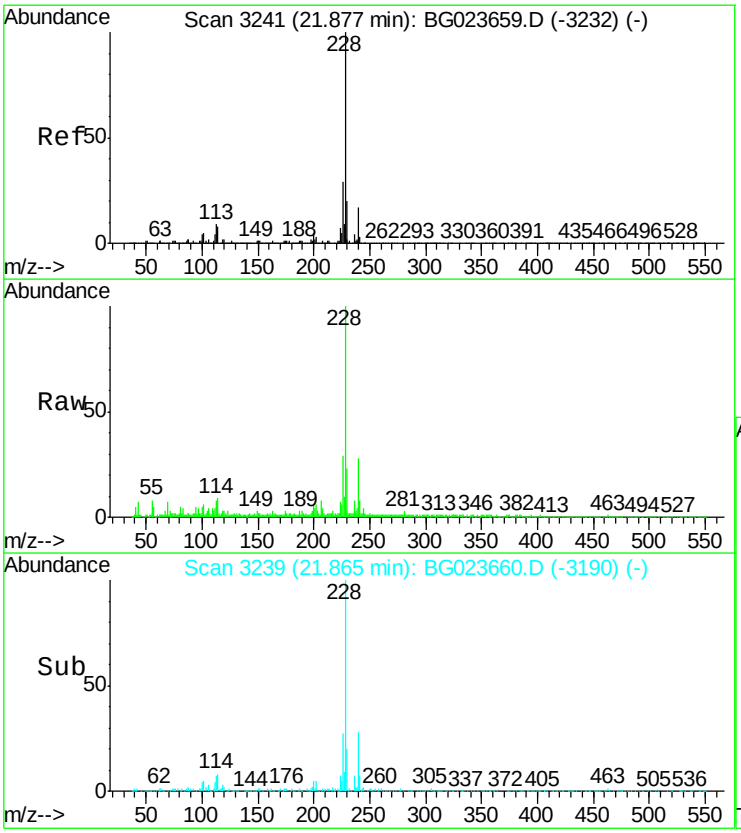
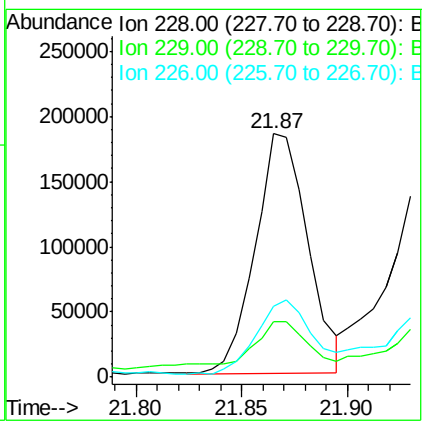


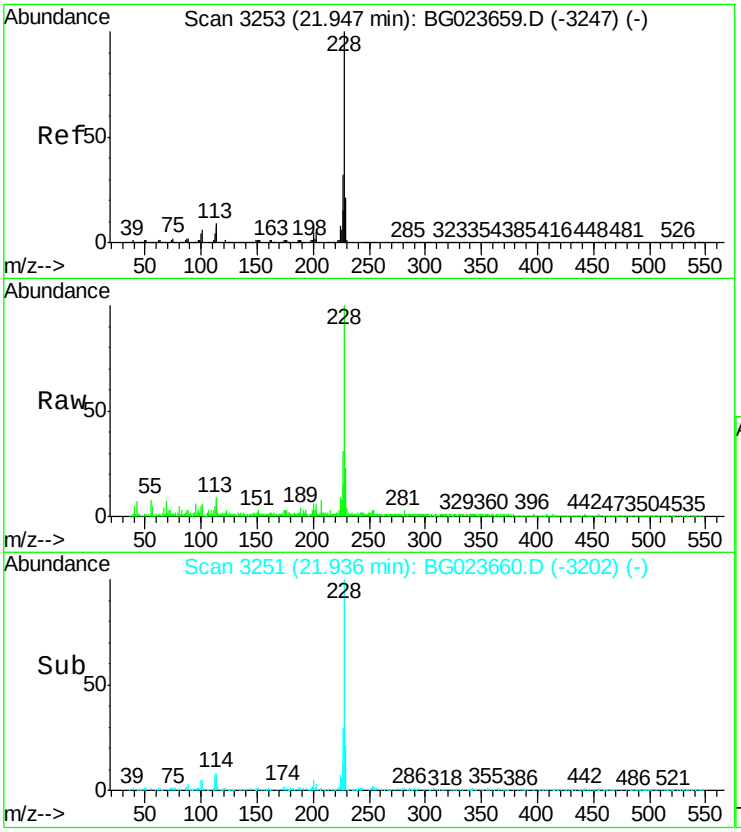


#80
Benzo(a)anthracene
Concen: 5.61 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:228 Resp: 320334

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.2
226	29.2	22.8	34.2





#82
Chrysene
Concen: 6.84 ng/ul
RT: 21.94 min Scan# 3251
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:228 Resp: 354967

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.4
229	22.9	15.0	22.6#

Instrument :
BNA_G
ClientSampleId :
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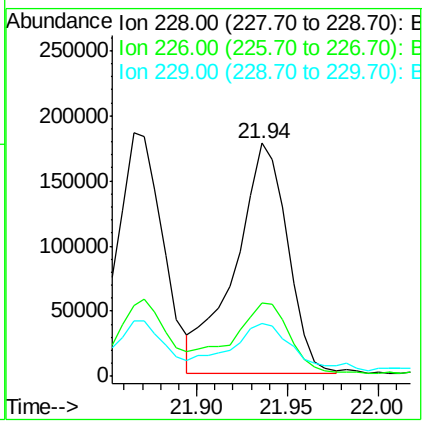
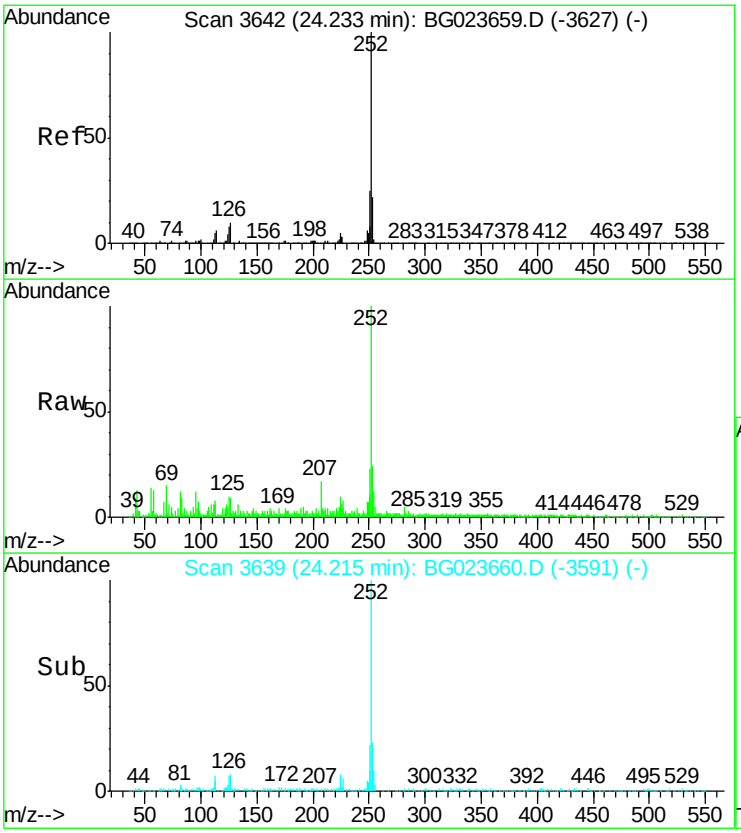
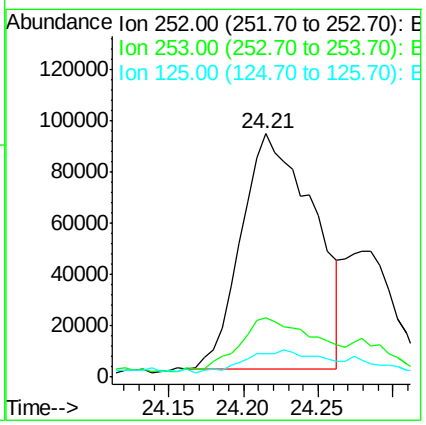


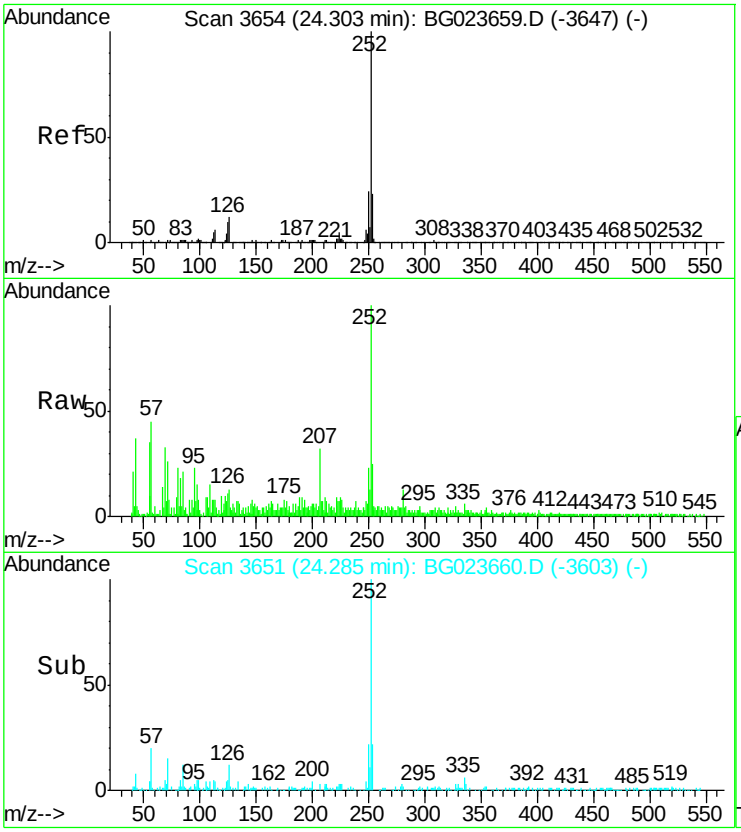


#85
Benzo(b)fluoranthene
Concen: 5.18 ng/ul
RT: 24.21 min Scan# 3639
Delta R.T. -0.02 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:252 Resp: 307008

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	9.7	10.8	16.2#

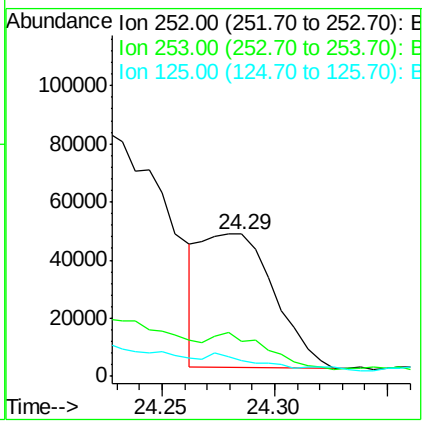




#86
Benzo(k)fluoranthene
Concen: 1.79 ng/ul m
RT: 24.29 min Scan# 3651
Delta R.T. -0.02 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:252 Resp: 104288

Ion	Ratio	Lower	Upper
252	100		
253	24.7	15.8	23.6#
125	10.9	10.6	16.0



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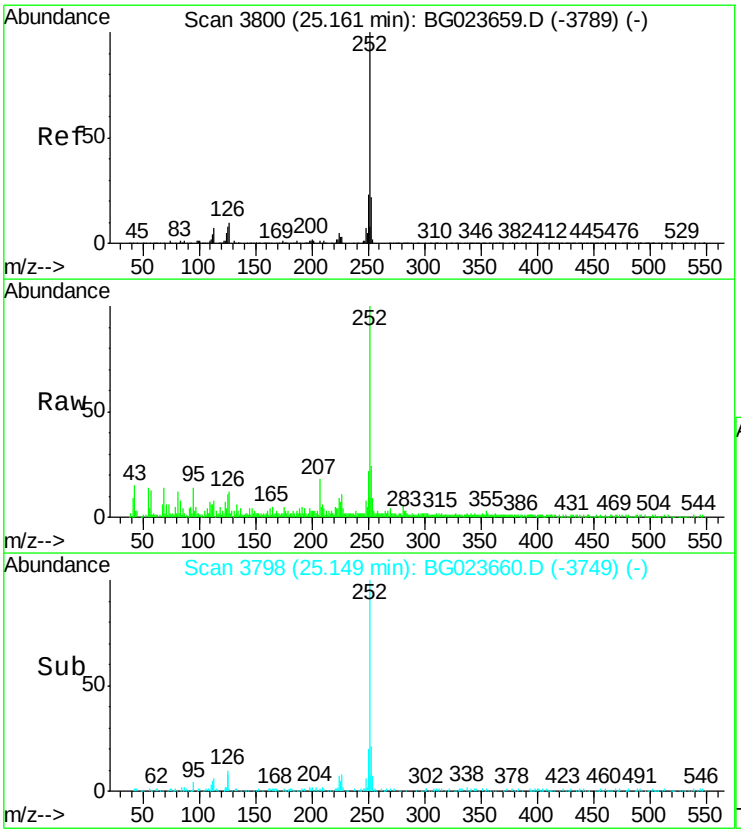
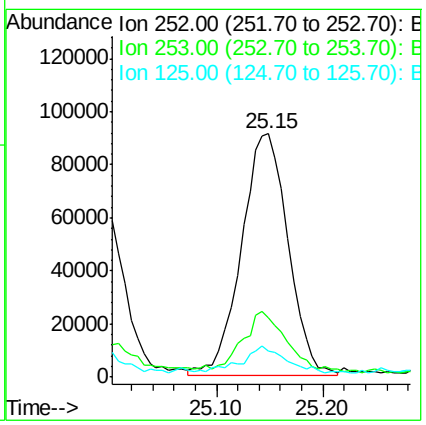
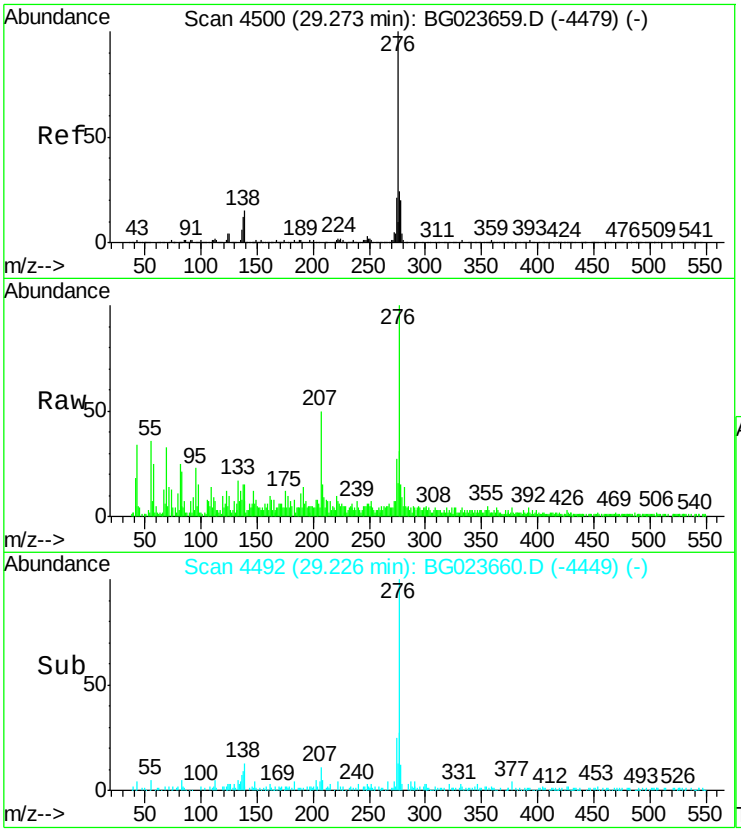


#88
Benzo(a)pyrene
Concen: 4.82 ng/ul m
RT: 25.15 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:252 Resp: 276032

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.4
125	10.6	12.0	18.0#





#89
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng/ul m
RT: 29.23 min Scan# 4492
Delta R.T. -0.05 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:276 Resp: 167198

Ion	Ratio	Lower	Upper
276	100		
138	15.4	20.8	31.2#
277	30.7	17.6	26.4#

Instrument :
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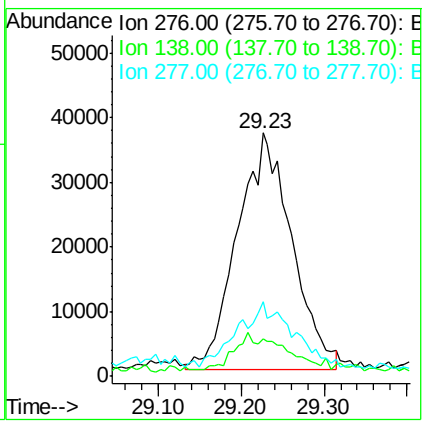

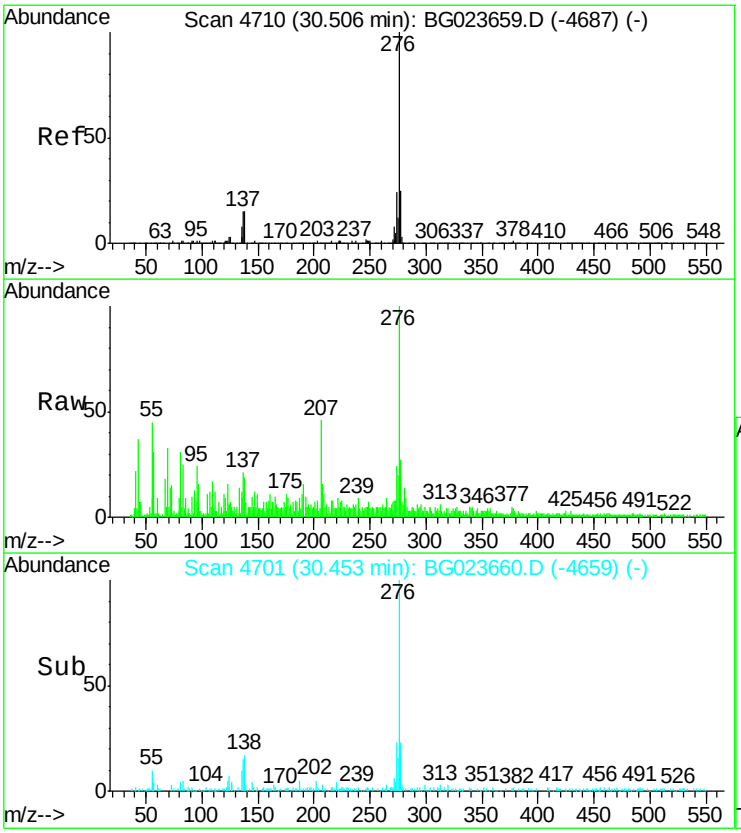

#91
Benzo(g,h,i)perylene
Concen: 3.09 ng/ul
RT: 30.45 min Scan# 4701
Delta R.T. -0.05 min
Lab File: BG023660.D
Acq: 12 Aug 2016 17:47

Tgt Ion:276 Resp: 172415

Ion	Ratio	Lower	Upper
276	100		
138	18.8	22.1	33.1#
277	27.4	17.0	25.4#