Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021871.D
Acq On : 12 May 2016 16:34
Operator : UM/SJ
Sample : H2936-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WJ9DL

Manual Integrations APPROVED
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Quant Time: May 13 05:58:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	58294	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	328450	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	210233	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	448219	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	446880	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	449761	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.56	96	929	0.77	ng/uL	0.00
5) Phenol-d5	7.33	99	20464	4.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	8260	3.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	21960	6.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	19543m	5.38	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	10026m	4.64	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	11033m	8.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	23259m	6.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	17355m	4.18	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	73987	5.01	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	100742	4.81	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.78	176	66678	4.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.64	188	99794	4.57	ng/ul	0.00
77) Pyrene-d10	19.91	212	102583	4.90	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	96060	4.50	ng/ul	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.58	178	131697	5.37	ng/ul	99
72) Anthracene	17.67	178	24961	1.00	ng/ul	97
73) Carbazole	17.94	167	31423m	1.46	ng/ul	
75) Fluoranthene	19.58	202	489545	17.58	ng/ul#	95
78) Pyrene	19.94	202	504662m	19.52	ng/ul	
81) Benzo(a)anthracene	21.80	228	512160	20.59	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	15438	1.65	ng/ul#	98
83) Chrysene	21.87	228	582951	23.70	ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	1318623	51.22	ng/ul#	95
87) Benzo(k)fluoranthene	24.17	252	440900m	16.00	ng/ul	
89) Benzo(a)pyrene	25.02	252	985812	38.47	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	29.01	276	876595	28.86	ng/ul#	93
91) Dibenzo(a,h)anthracene	29.04	278	245044m	9.69	ng/ul	
92) Benzo(g,h,i)perylene	30.21	276	783339	31.25	ng/ul#	92

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021871.D
Acq On : 12 May 2016 16:34
Operator : UM/SJ
Sample : H2936-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 13 05:58:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Manual Integrations APPROVED
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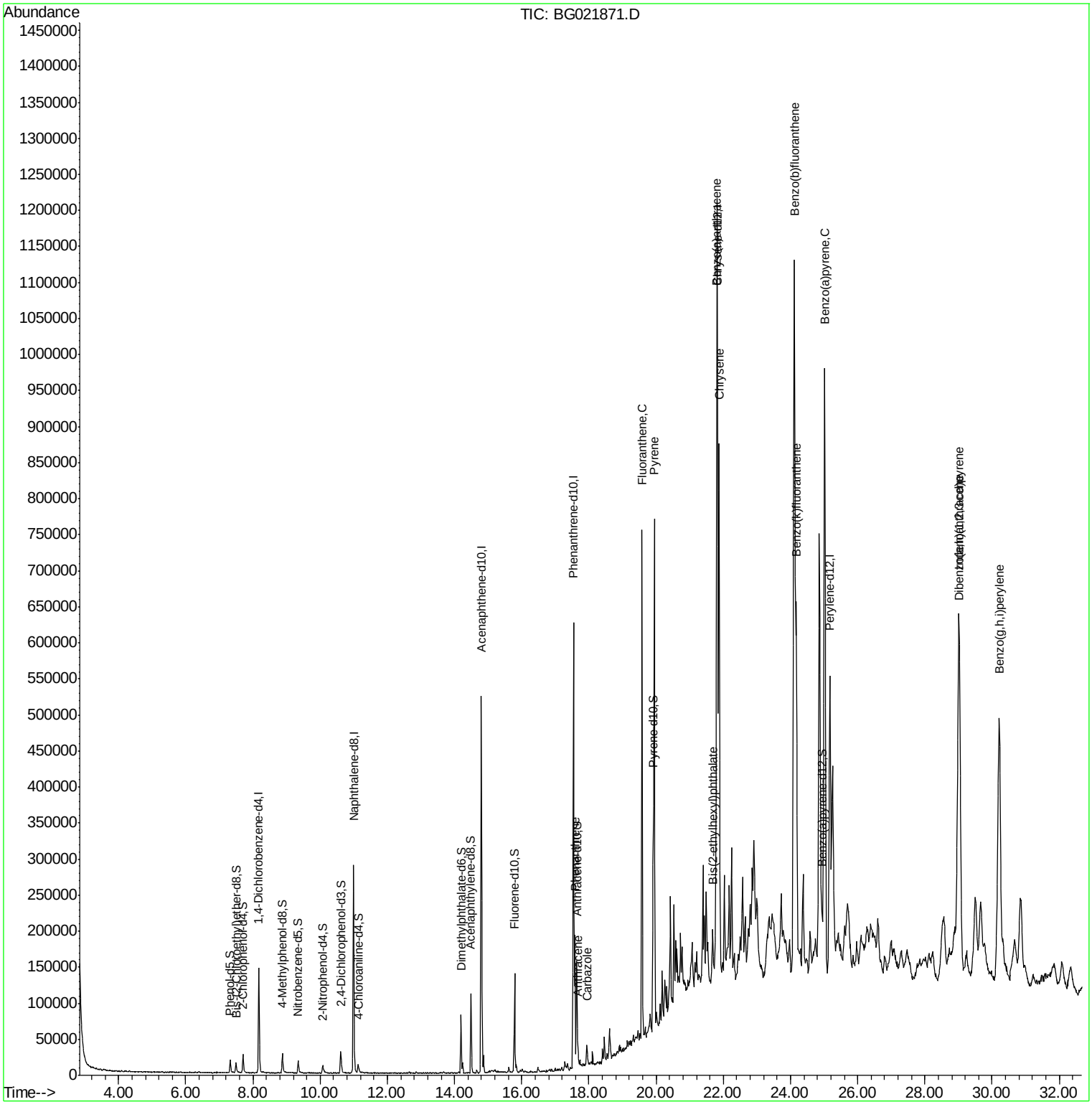
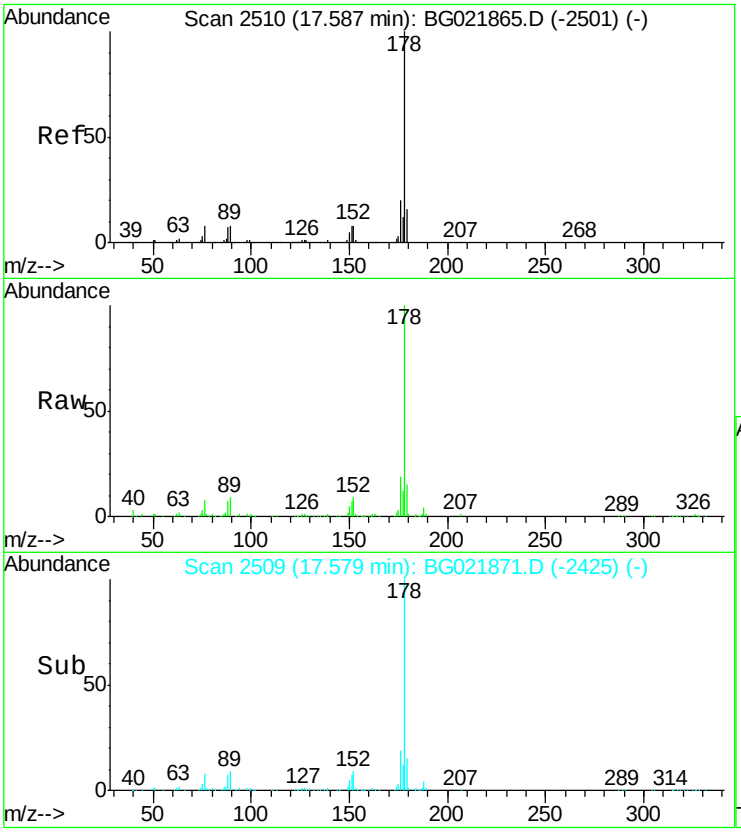
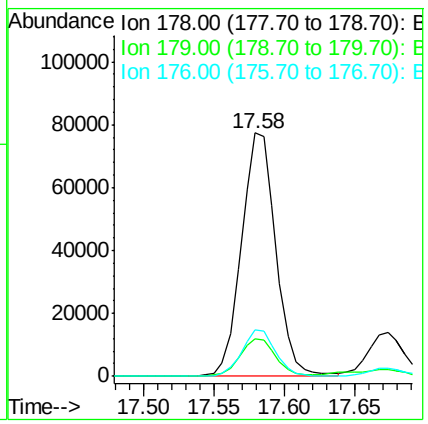




#70
Phenanthrene
Concen: 5.37 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:178 Resp: 131697

Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	19.1	14.8	22.2



Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Manual Integrations APPROVED
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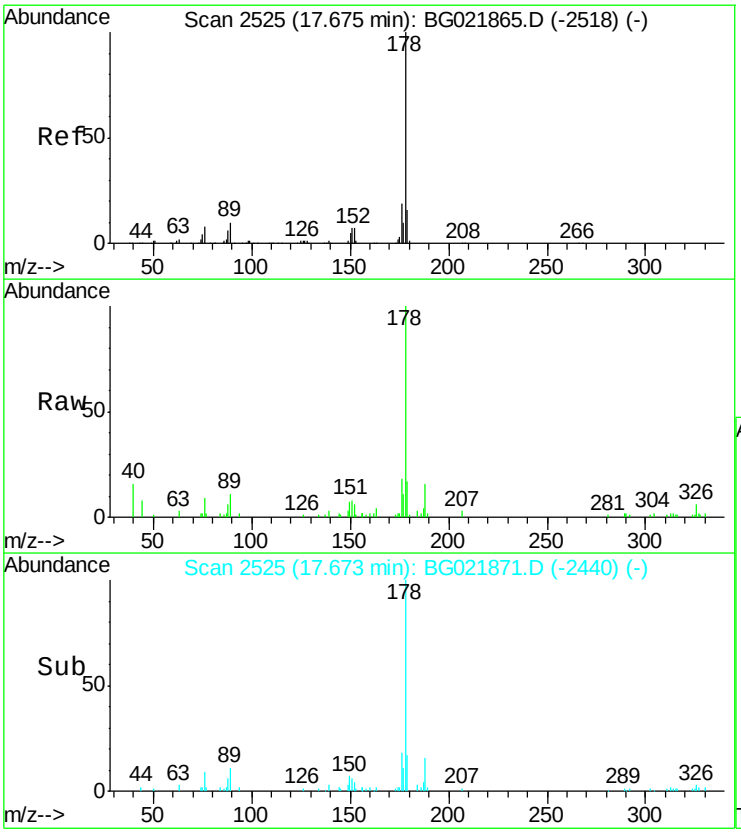
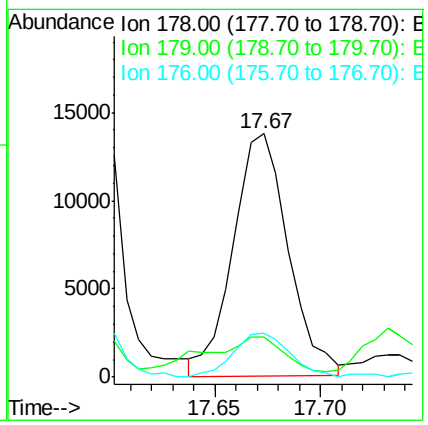
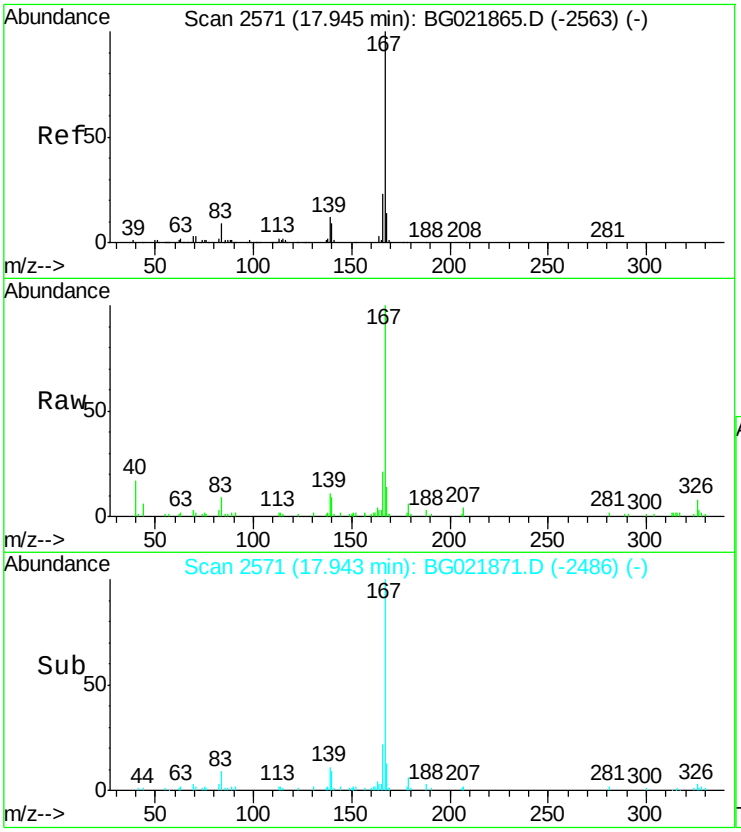


#72
Anthracene
Concen: 1.00 ng/ul
RT: 17.67 min Scan# 2525
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:178 Resp: 24961

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	17.9	15.6	23.4





#73
Carbazole
Concen: 1.46 ng/ul m
RT: 17.94 min Scan# 2571
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:167 Resp: 31423

Ion	Ratio	Lower	Upper
167	100		
166	21.4	19.0	28.4
139	10.8	12.2	18.4#

Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Manual Integrations APPROVED
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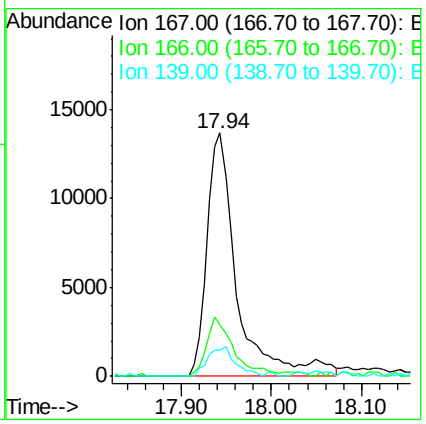
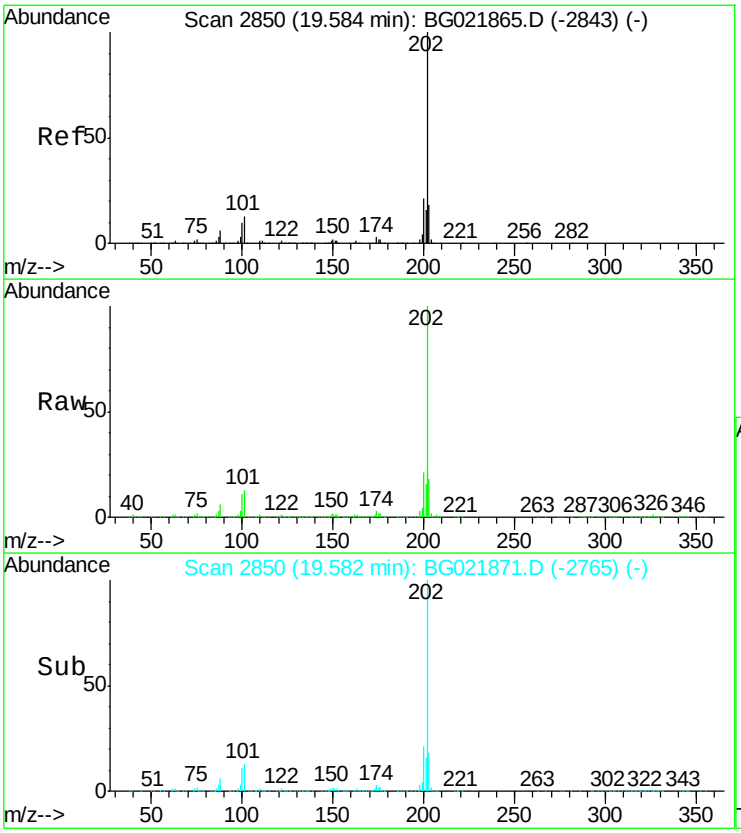
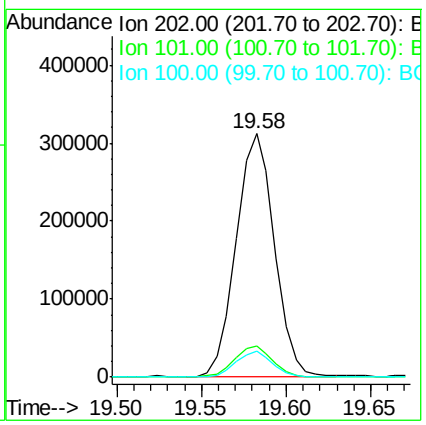


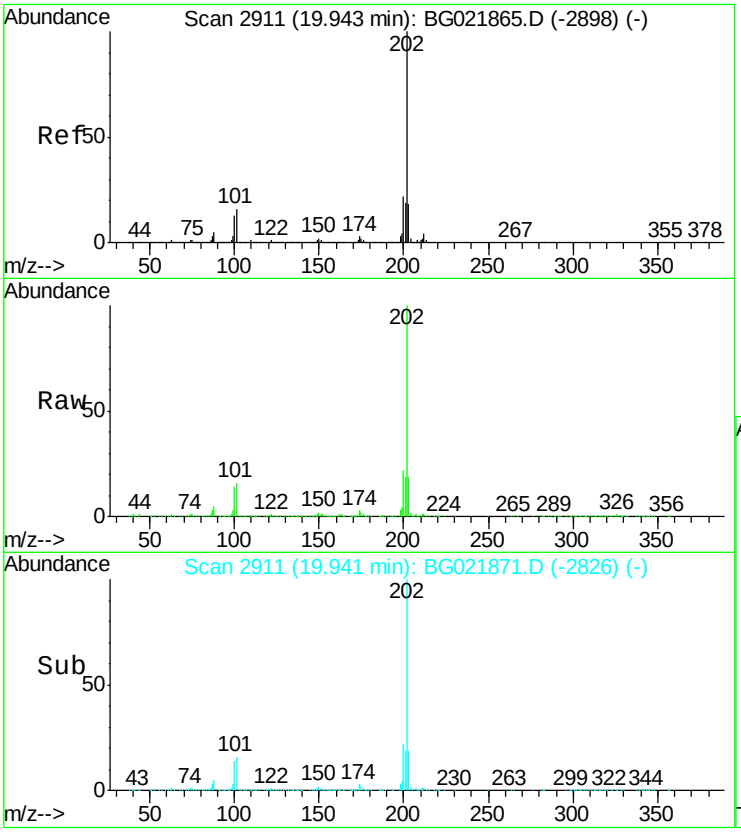


#75
Fluoranthene
Concen: 17.58 ng/ul
RT: 19.58 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:202 Resp: 489545

Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.9	13.3
100	10.6	7.0	10.4#

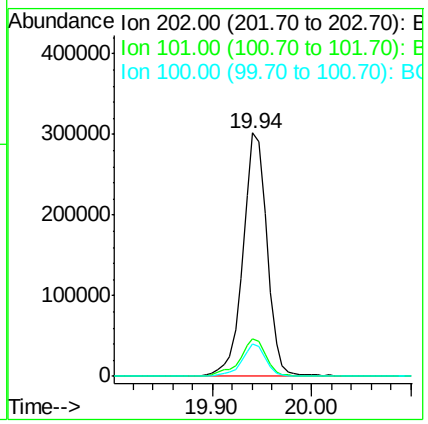




#78
Pyrene
Concen: 19.52 ng/ul m
RT: 19.94 min Scan# 2911
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:202 Resp: 504662

Ion	Ratio	Lower	Upper
202	100		
101	15.5	9.8	14.8#
100	13.5	9.3	13.9



Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

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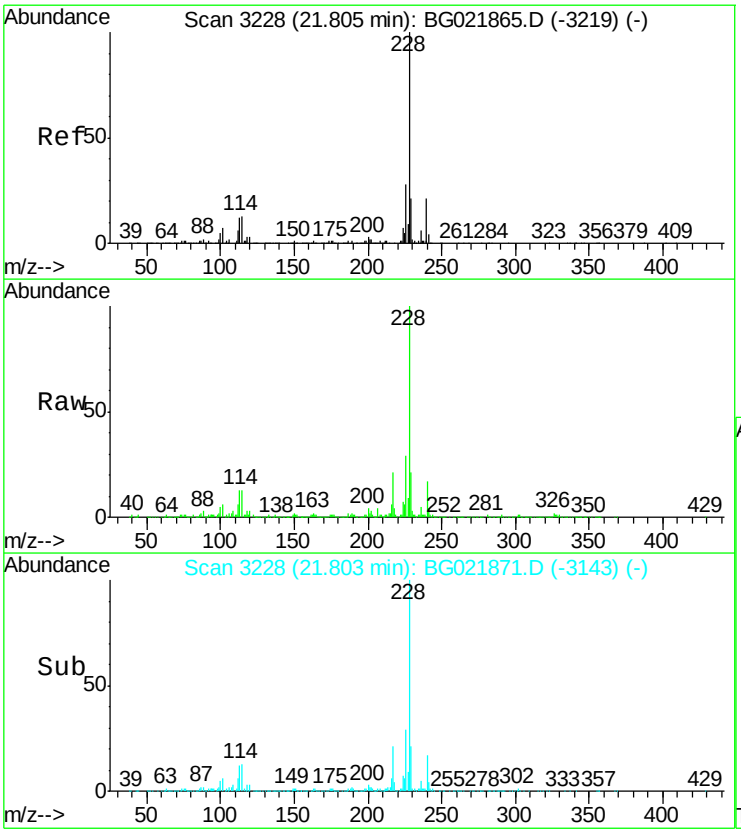
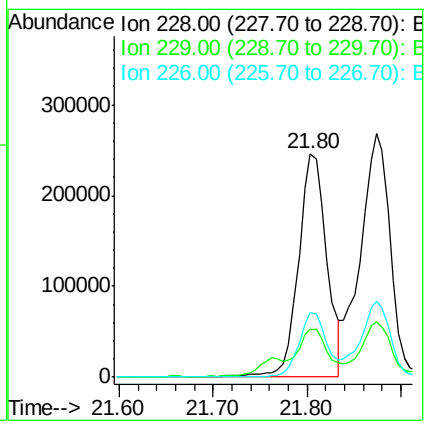
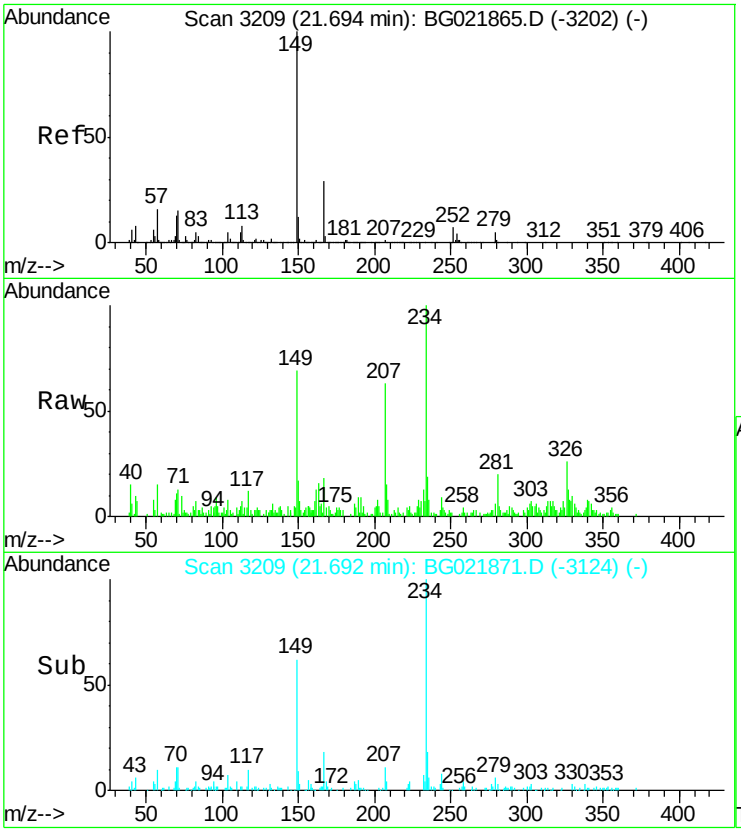


#81
Benzo(a)anthracene
Concen: 20.59 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:228 Resp: 512160

Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	29.0	21.0	31.4





#82
Bis(2-ethylhexyl)phthalate
Concen: 1.65 ng/ul
RT: 21.69 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Tgt Ion:149 Resp: 15438

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.5	30.7
279	8.2	3.7	5.5#

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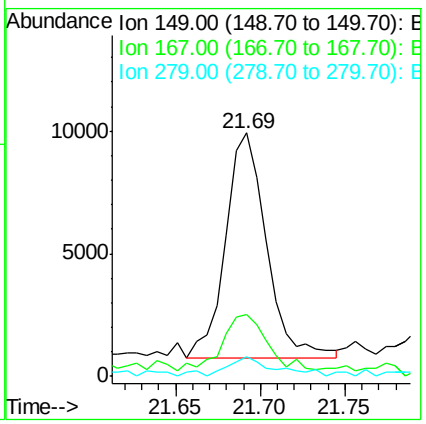
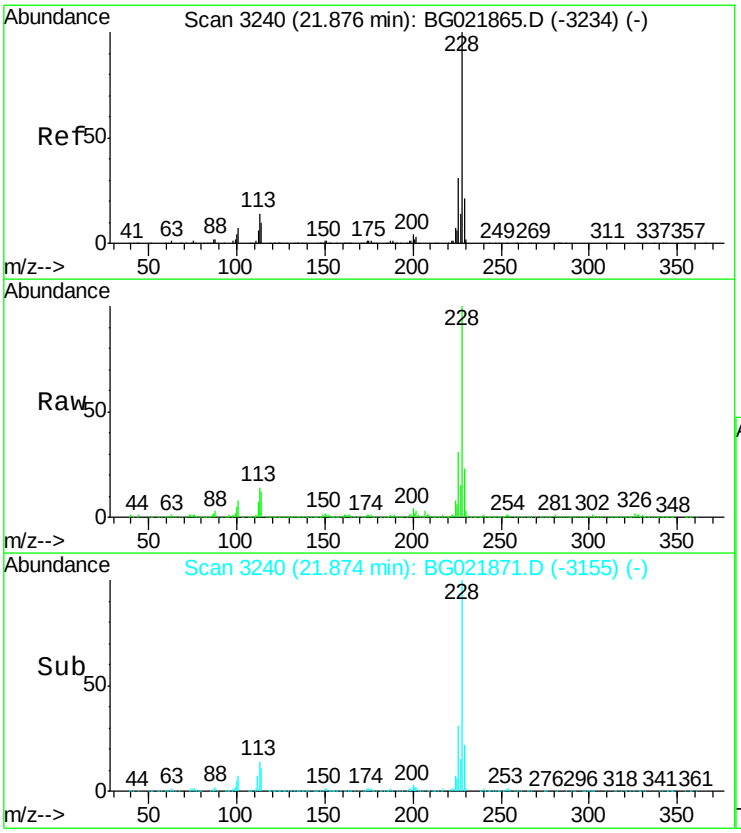
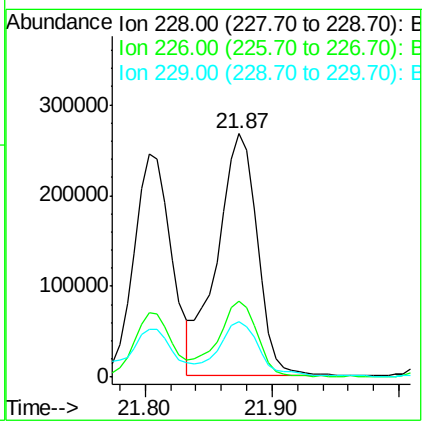


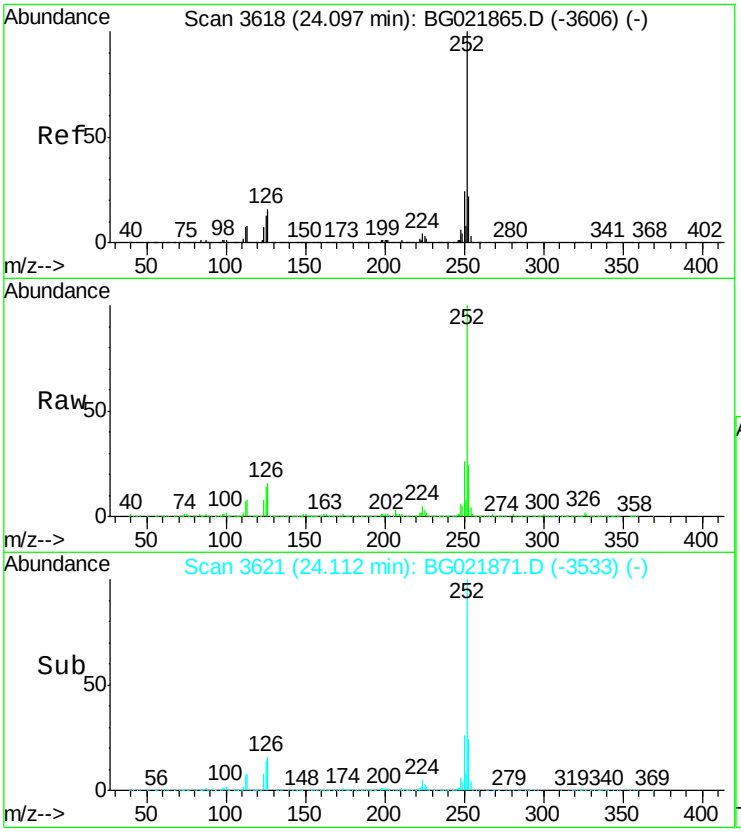


#83
Chrysene
Concen: 23.70 ng/ul
RT: 21.87 min Scan# 3240
Delta R.T. -0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:228 Resp: 582951

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	22.7	16.2	24.2

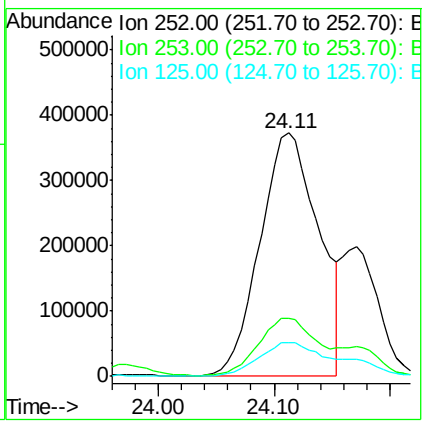




#86
Benzo(b)fluoranthene
Concen: 51.22 ng/ul
RT: 24.11 min Scan# 3621
Delta R.T. 0.02 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:252 Resp: 1318623

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.0	7.6	11.4#



Instrument :
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ClientSampleId :
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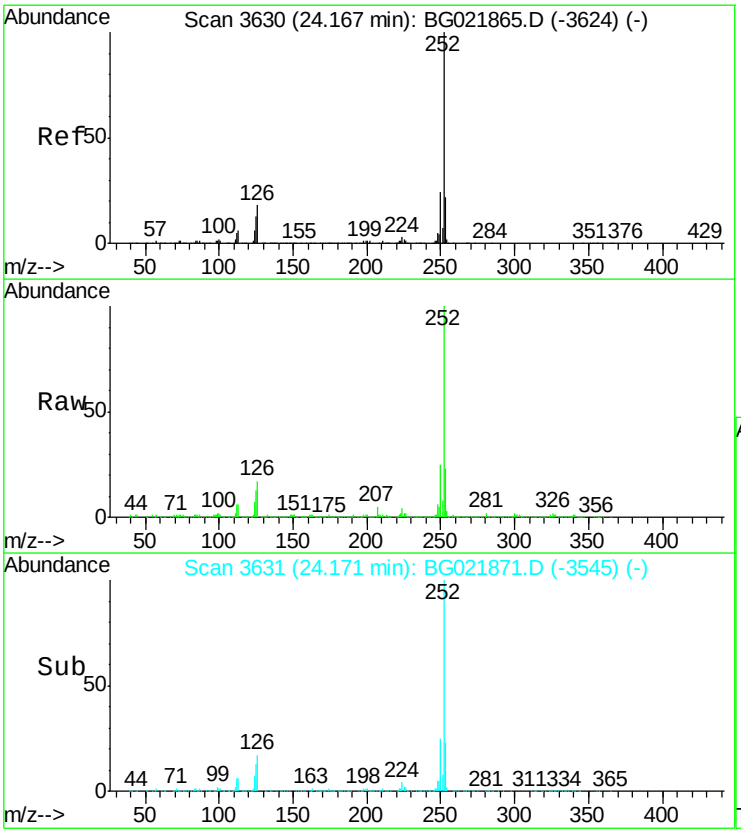
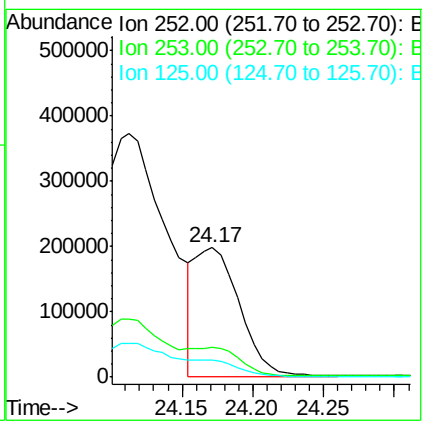
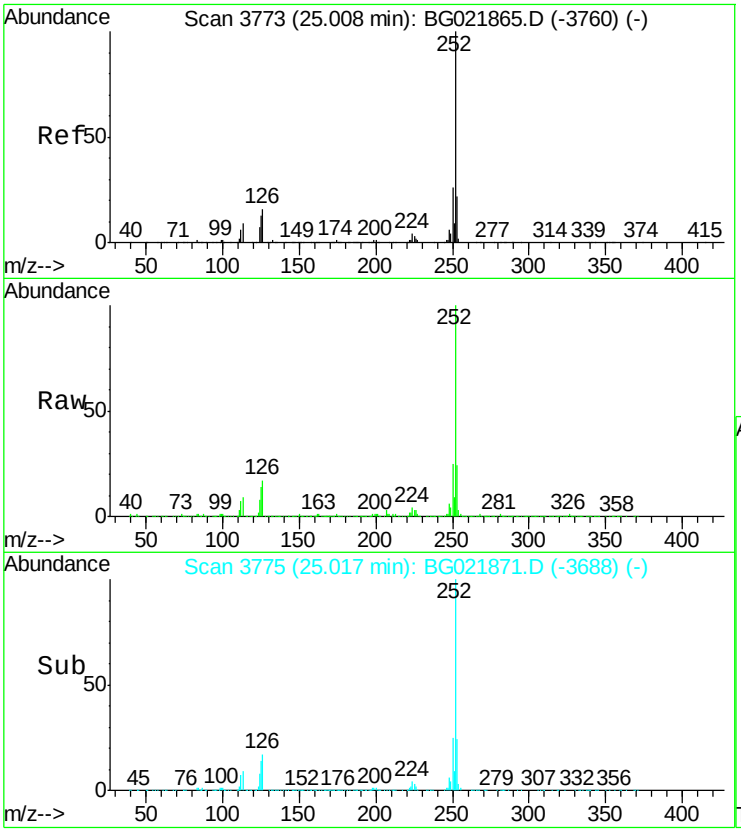


#87
Benzo(k)fluoranthene
Concen: 16.00 ng/ul m
RT: 24.17 min Scan# 3631
Delta R.T. 0.00 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:252 Resp: 440900

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.0	7.7	11.5#

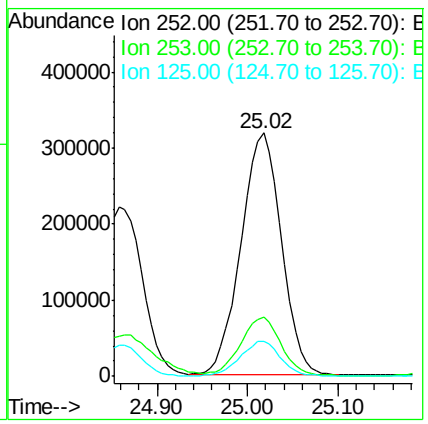




#89
Benzo(a)pyrene
Concen: 38.47 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:252 Resp: 985812

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	14.1	8.2	12.2#



Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Manual Integrations APPROVED
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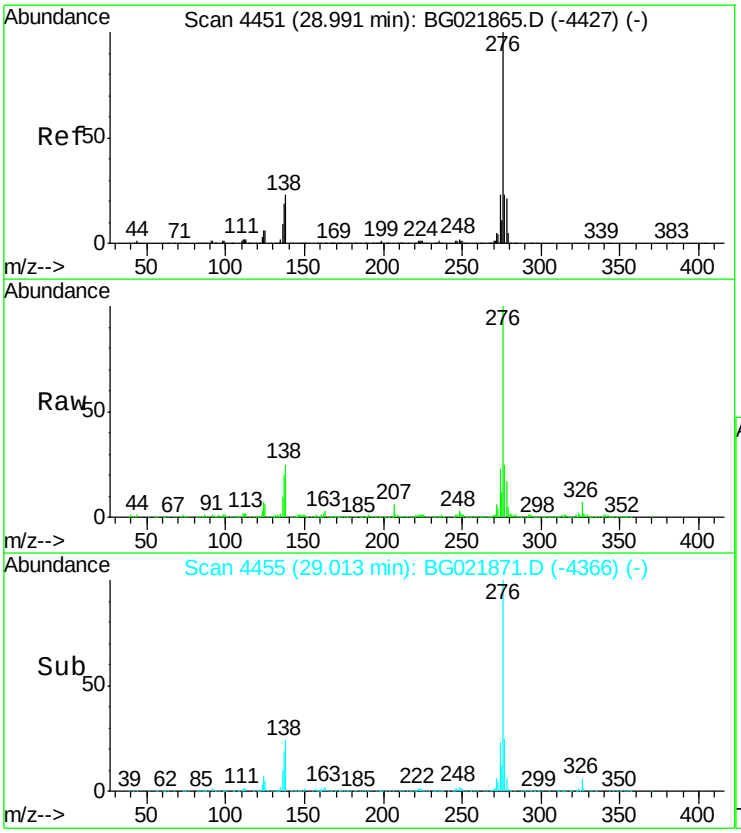
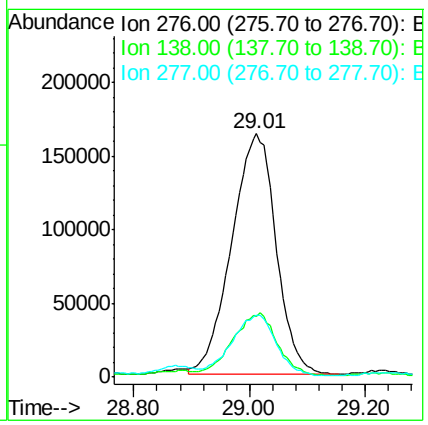
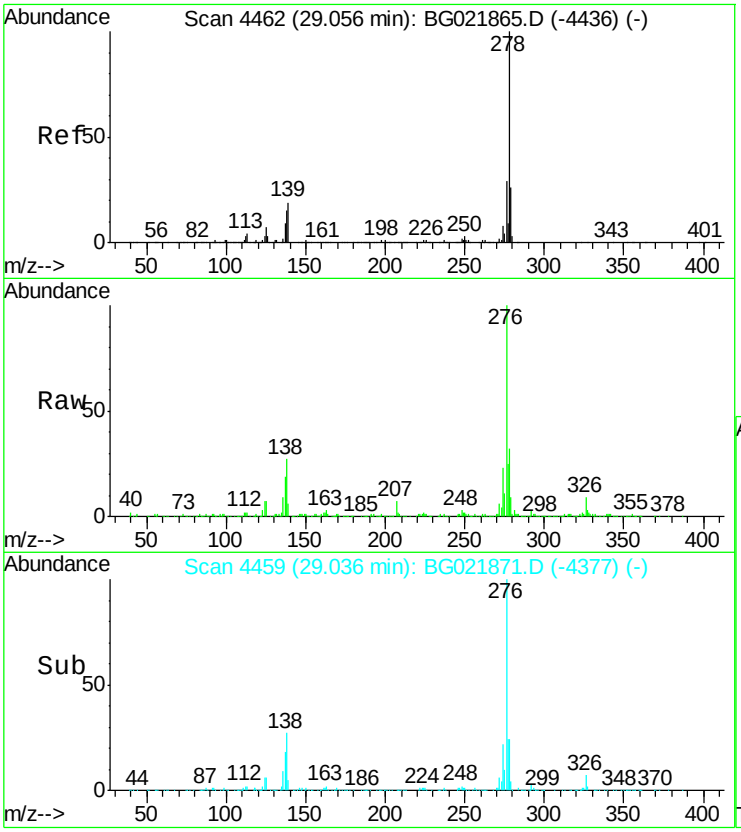


#90
Indeno(1,2,3-cd)pyrene
Concen: 28.86 ng/ul
RT: 29.01 min Scan# 4455
Delta R.T. 0.02 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:276 Resp: 876595

Ion	Ratio	Lower	Upper
276	100		
138	25.0	15.8	23.6#
277	25.2	19.0	28.6





#91
Dibenzo(a,h)anthracene
Concen: 9.69 ng/ul m
RT: 29.04 min Scan# 4459
Delta R.T. -0.02 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Instrument :
BNA_G
ClientSampleId :
D9WJ9DL

Manual Integrations APPROVED
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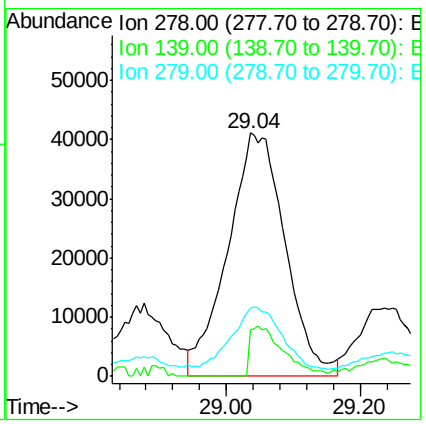
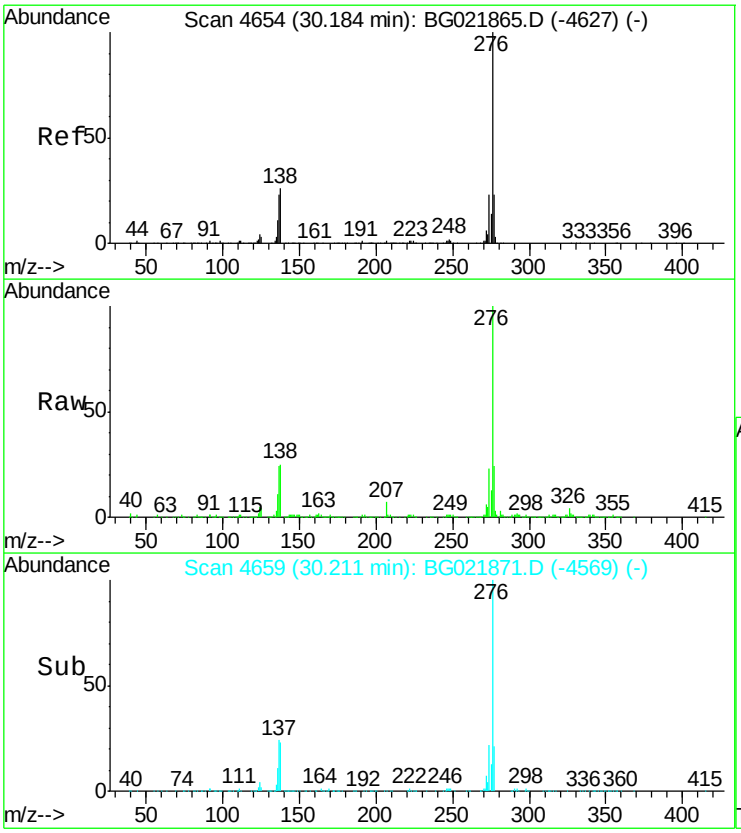
Tgt Ion:278 Resp: 245044

Ion	Ratio	Lower	Upper
278	100		
139	19.2	12.1	18.1#
279	27.9	19.8	29.8





#92
Benzo(g,h,i)perylene
Concen: 31.25 ng/ul
RT: 30.21 min Scan# 4659
Delta R.T. 0.03 min
Lab File: BG021871.D
Acq: 12 May 2016 16:34

Tgt Ion:276 Resp: 783339

Ion	Ratio	Lower	Upper
276	100		
138	24.9	13.9	20.9#
277	24.0	19.8	29.6