Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101920\
Data File : BG046988.D
Acq On : 19 Oct 2020 15:40
Operator : CG/JU
Sample : L4326-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JLX60

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Quant Time: Oct 19 16:19:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 11:15:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	50953	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	223256	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	153519	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	333850	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	312098	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	329965	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	3964	3.45	ng/uL	0.00
5) Phenol-d5	7.22	99	86063	19.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	54952	21.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	67699	20.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	65487	18.24	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	38032	20.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	43214	19.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	78421	18.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	63665	13.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	283555	22.23	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	301853	20.77	ng/ul	0.00
52) 4-Nitrophenol-d4	14.88	143	32043	14.58	ng/ul	0.00
58) Fluorene-d10	15.69	176	241505	20.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	26922	11.71	ng/ul	0.00
71) Anthracene-d10	17.54	188	337051	20.84	ng/ul	0.00
79) Pyrene-d10	19.82	212	359628	21.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	340748	18.33	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.14	163	73263	5.541	ng/ul	98
48) Acenaphthylene	14.42	152	41802	2.845	ng/ul#	93
50) Acenaphthene	14.76	153	24204	2.349	ng/ul	96
59) Fluorene	15.74	166	17872	1.422	ng/ul#	97
70) Phenanthrene	17.49	178	119952	6.279	ng/ul	98
72) Anthracene	17.57	178	65722	3.406	ng/ul	96
77) Fluoranthene	19.49	202	701140	30.057	ng/ul	99
80) Pyrene	19.85	202	905048	42.850	ng/ul	98
83) Benzo(a)anthracene	21.69	228	383031m	17.782	ng/ul	
85) Chrysene	21.76	228	409964	19.726	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	526820	23.016	ng/ul	98
89) Benzo(k)fluoranthene	23.98	252	140005m	6.343	ng/ul	
91) Benzo(a)pyrene	24.79	252	476514	23.157	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.64	276	332820	13.203	ng/ul	99
93) Dibenzo(a,h)anthracene	28.67	278	63263m	3.026	ng/ul	
94) Benzo(g,h,i)perylene	29.80	276	312365	14.762	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
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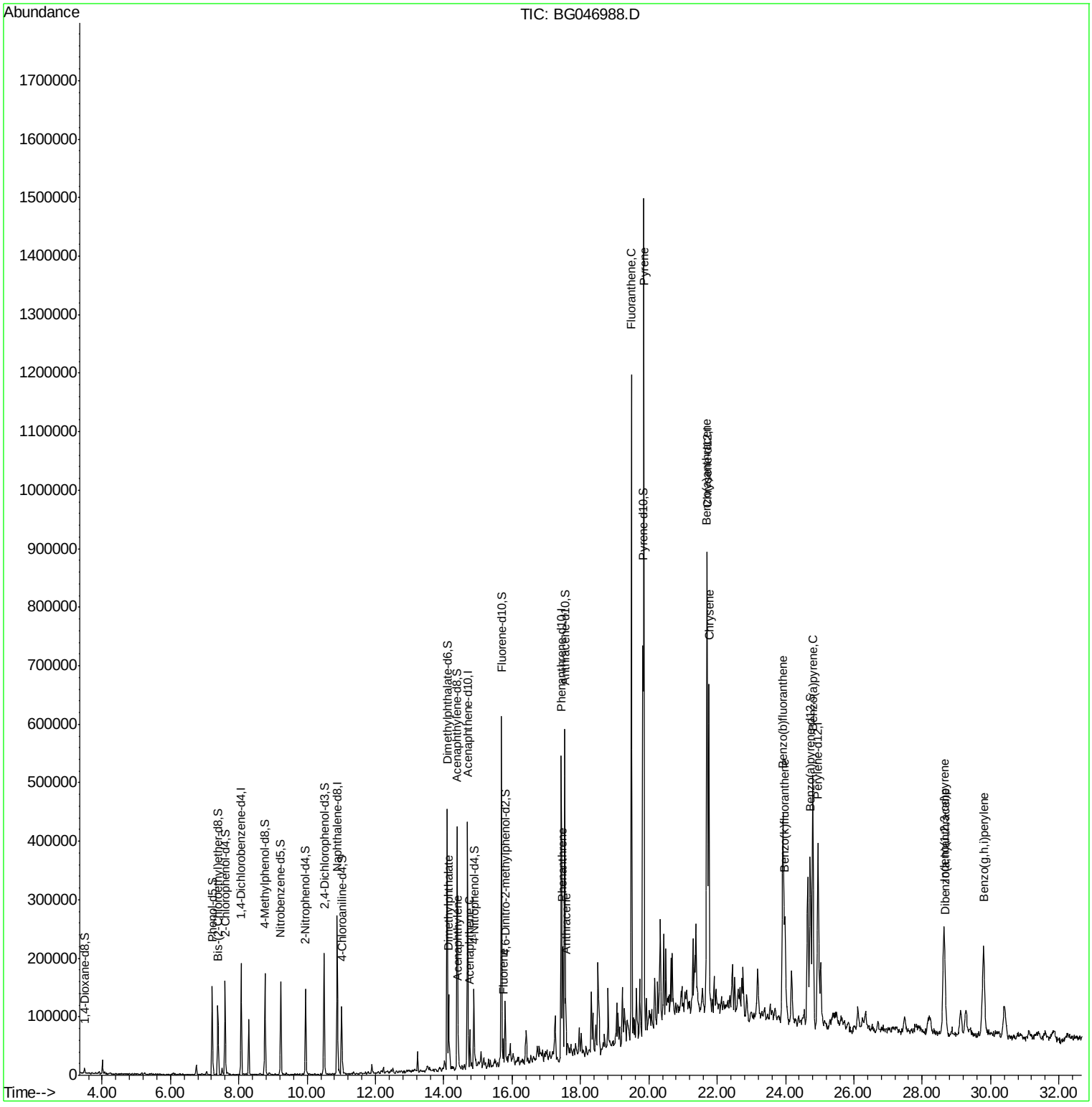
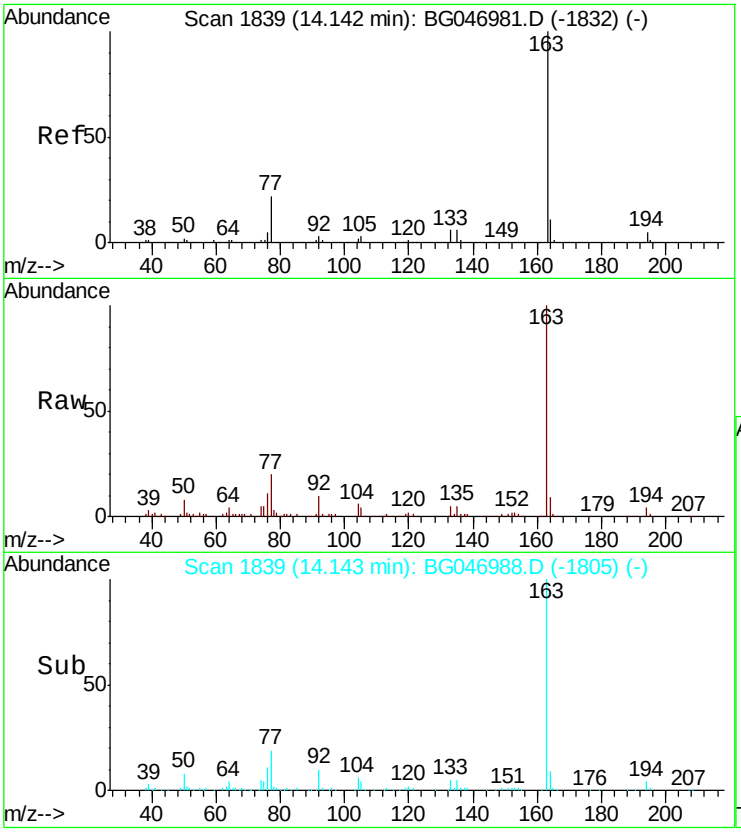
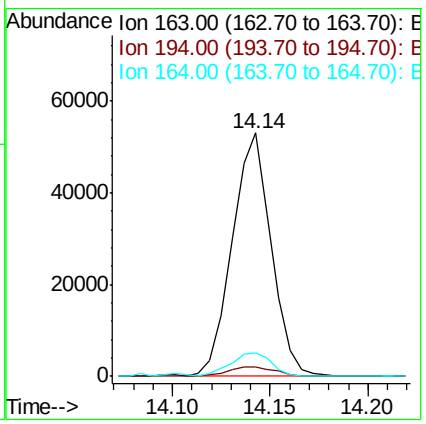




#45
Dimethylphthalate
Concen: 5.541 ng/ul
RT: 14.14 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:163 Resp: 73263

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.9	5.9
164	9.4	7.8	11.8



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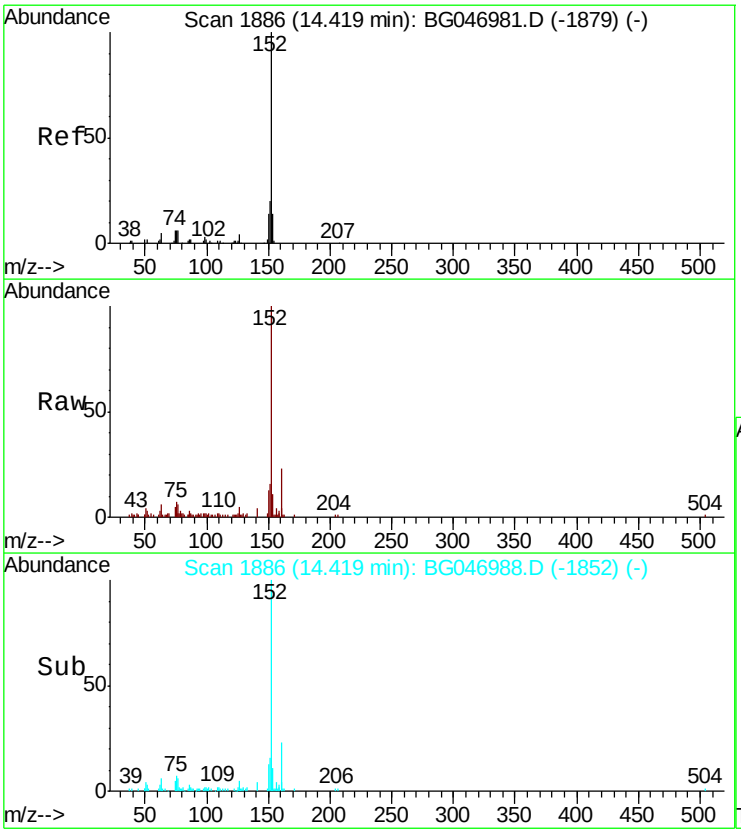
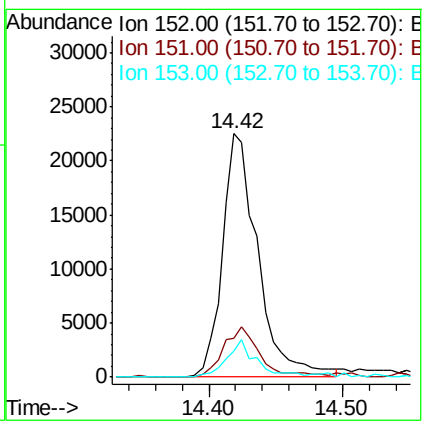
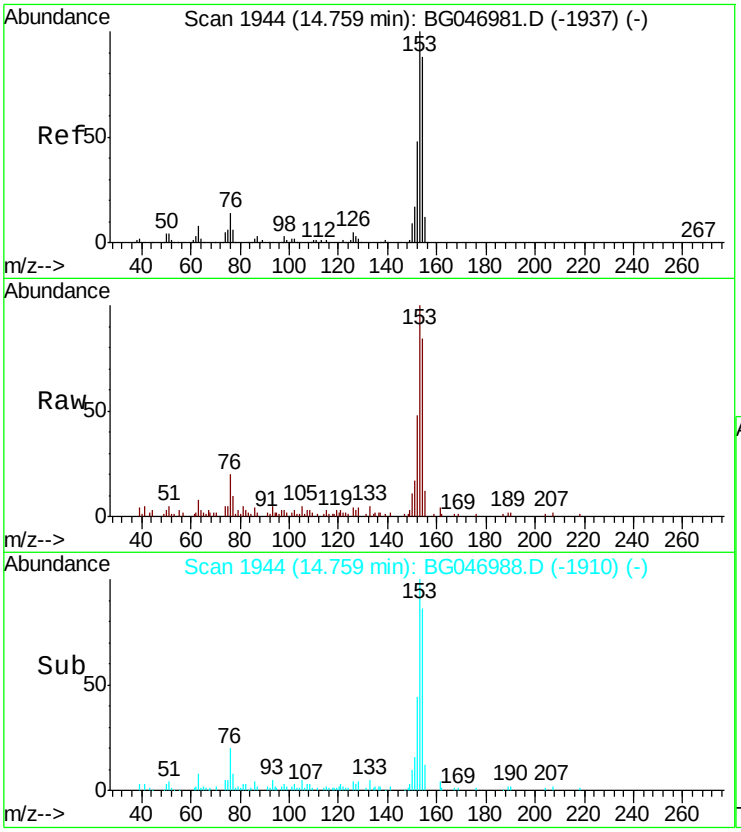


#48
Acenaphthylene
Concen: 2.845 ng/ul
RT: 14.42 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:152 Resp: 41802

Ion	Ratio	Lower	Upper
152	100		
151	16.0	16.1	24.1#
153	10.9	10.1	15.1

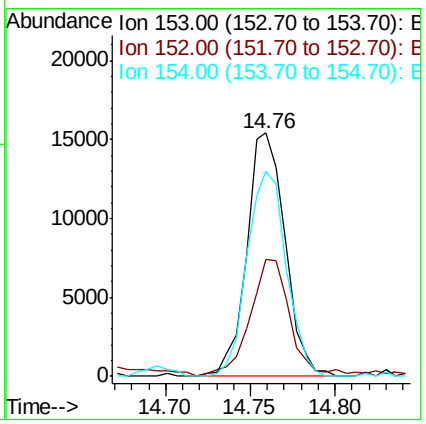




#50
Acenaphthene
Concen: 2.349 ng/ul
RT: 14.76 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:153 Resp: 24204

Ion	Ratio	Lower	Upper
153	100		
152	47.8	39.0	58.6
154	84.3	71.6	107.4



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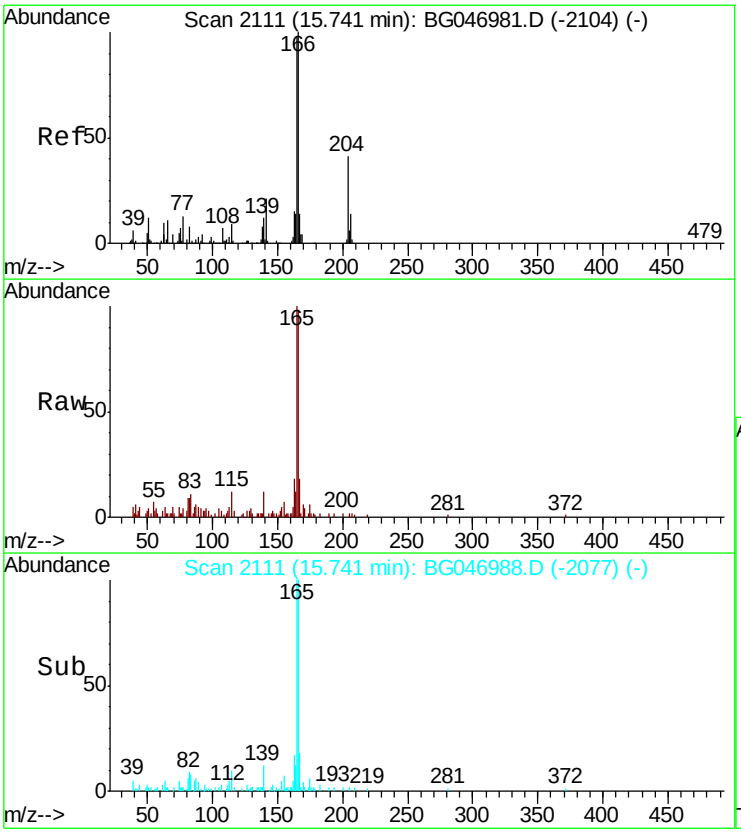
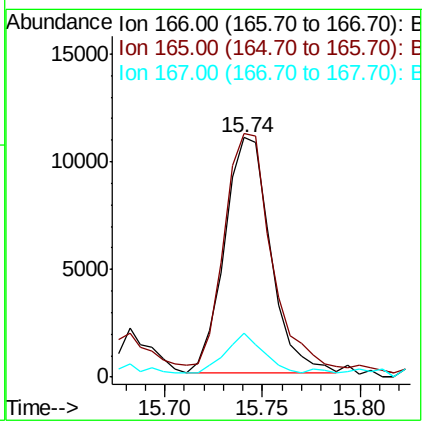
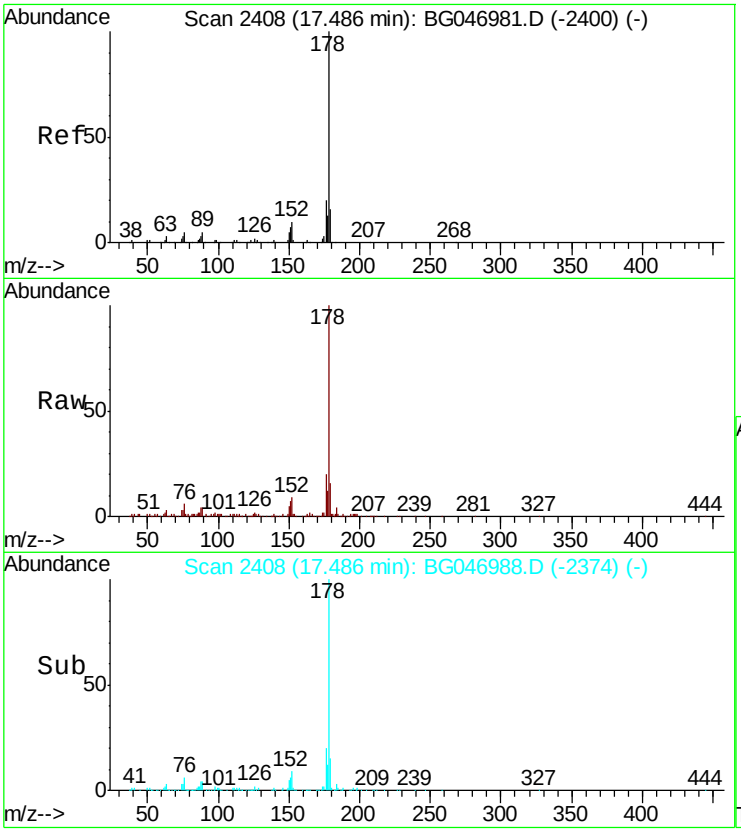


#59
Fluorene
Concen: 1.422 ng/ul
RT: 15.74 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:166 Resp: 17872

Ion	Ratio	Lower	Upper
166	100		
165	101.8	80.4	120.6
167	18.5	10.6	16.0#

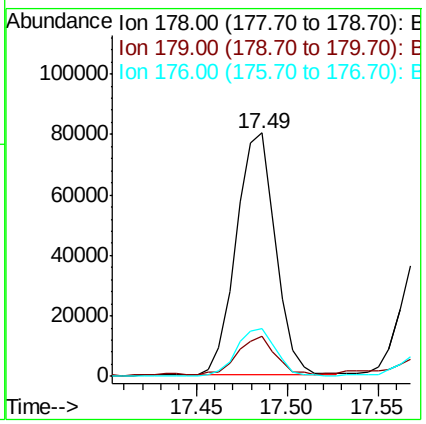




#70
Phenanthrene
Concen: 6.279 ng/ul
RT: 17.49 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:178 Resp: 119952

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.5	18.7
176	19.6	15.0	22.4



Instrument :
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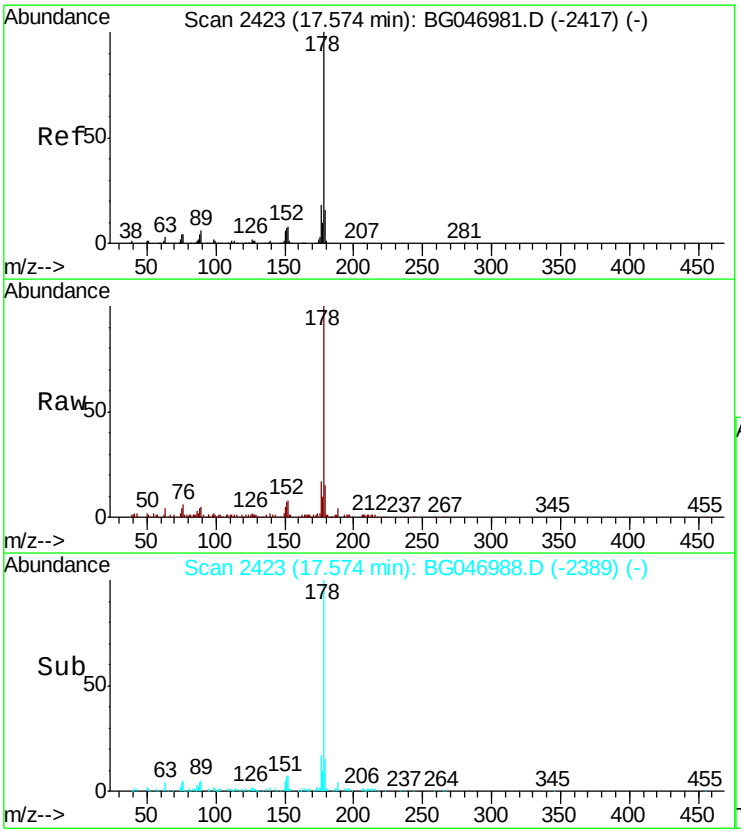
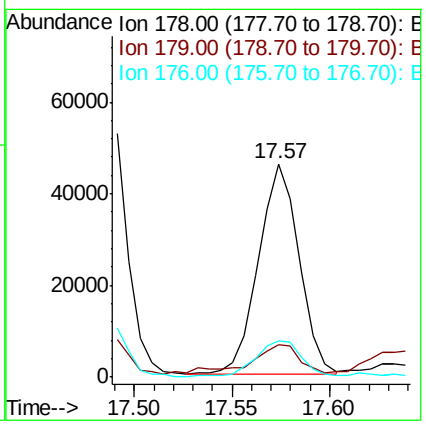
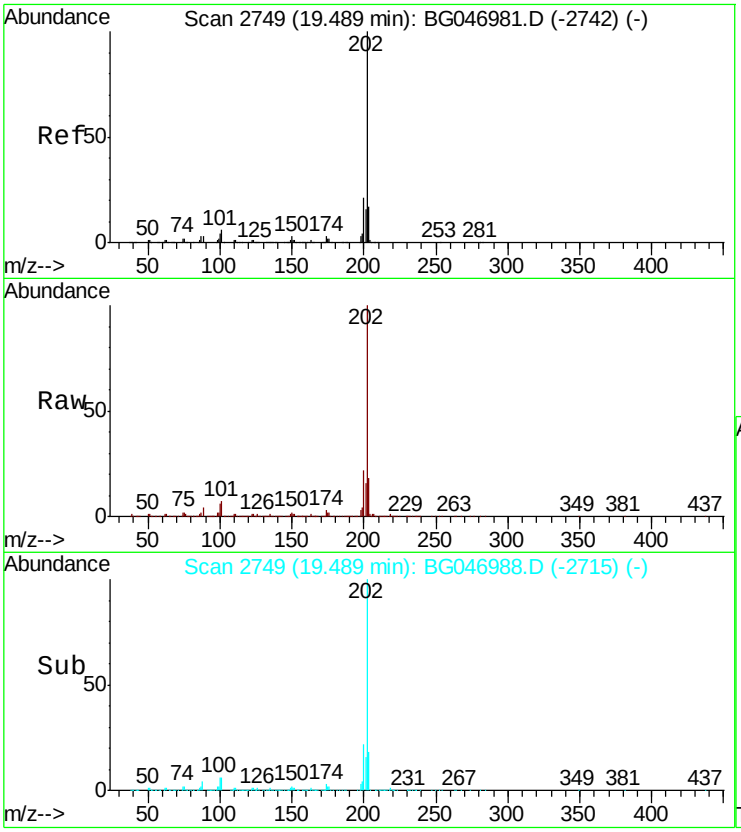


#72
Anthracene
Concen: 3.406 ng/ul
RT: 17.57 min Scan# 2423
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:178 Resp: 65722

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	17.0	16.2	24.4

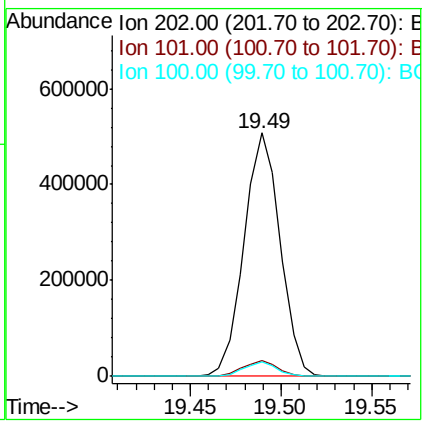




#77
Fluoranthene
Concen: 30.057 ng/ul
RT: 19.49 min Scan# 2749
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:202 Resp: 701140

Ion	Ratio	Lower	Upper
202	100		
101	6.7	4.9	7.3
100	5.7	4.6	6.8



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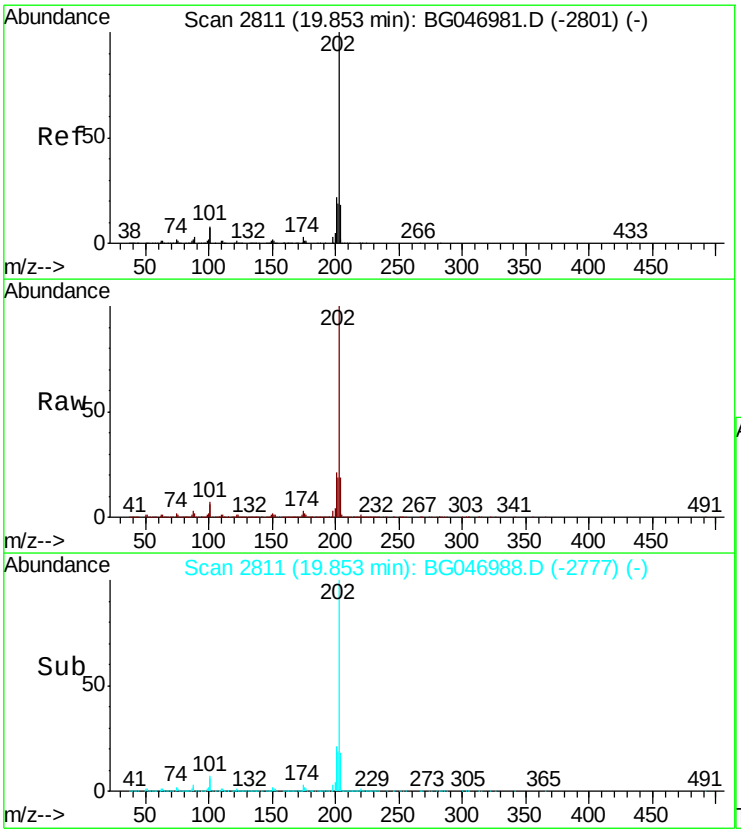
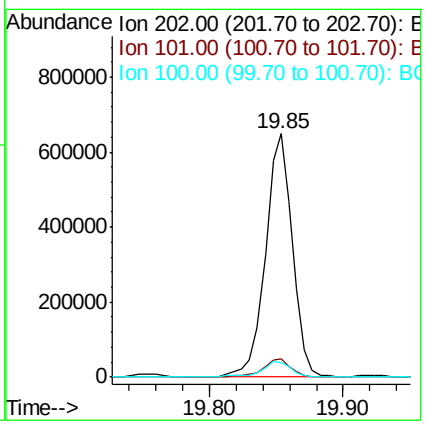
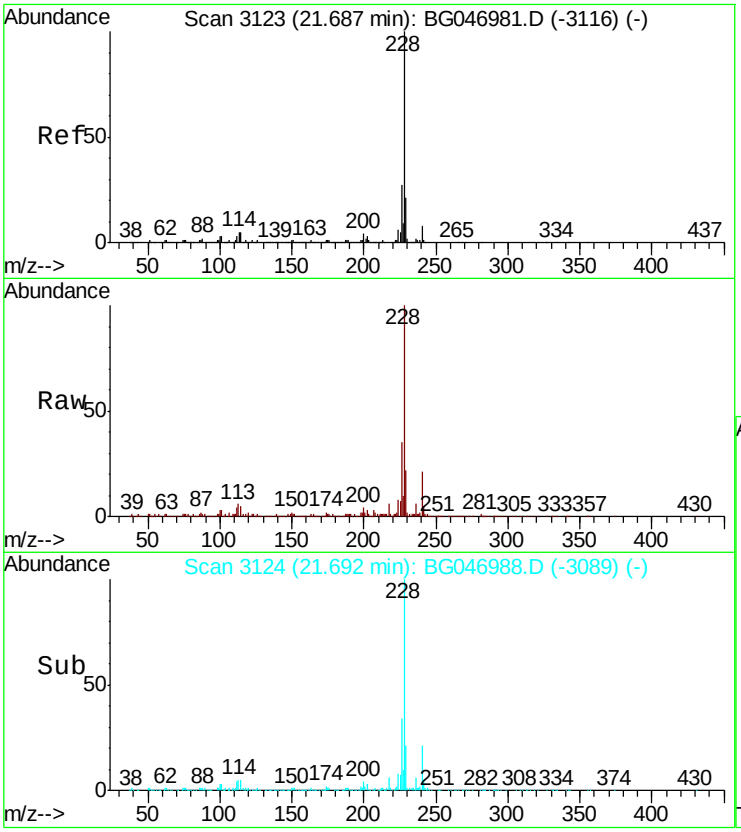


#80
Pyrene
Concen: 42.850 ng/ul
RT: 19.85 min Scan# 2811
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:202 Resp: 905048

Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.5	9.7
100	6.0	5.2	7.8

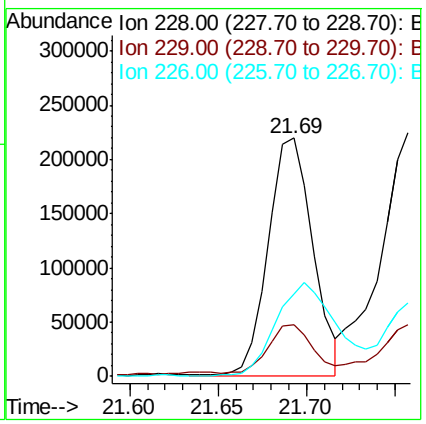




#83
Benzo(a)anthracene
Concen: 17.782 ng/ul m
RT: 21.69 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:228 Resp: 383031

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.2	24.2
226	34.7	21.6	32.4#



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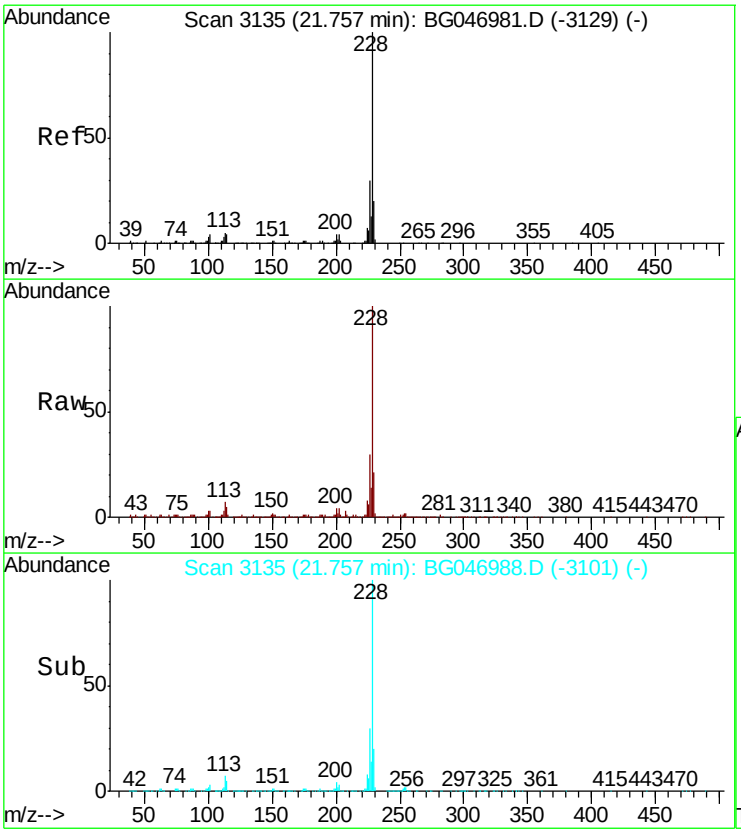
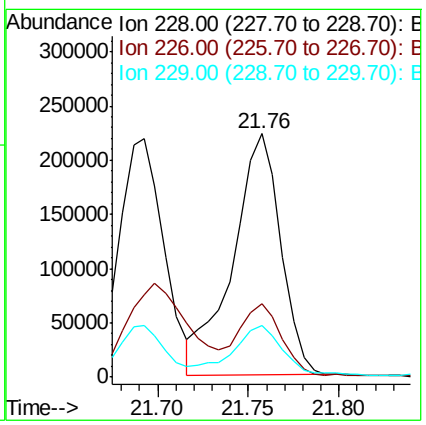
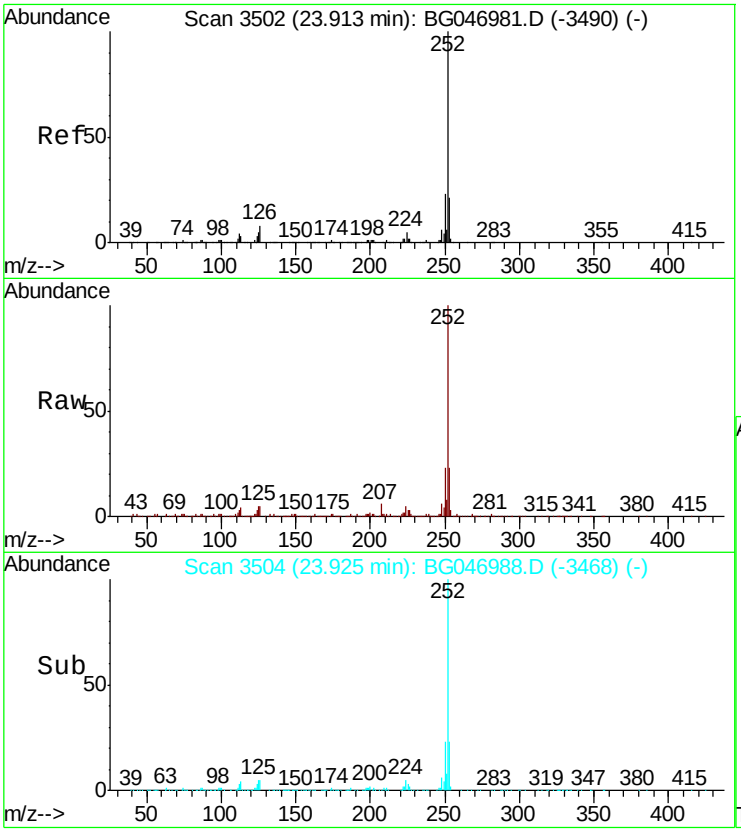


#85
Chrysene
Concen: 19.726 ng/ul
RT: 21.76 min Scan# 3135
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:228 Resp: 409964

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	21.0	15.6	23.4

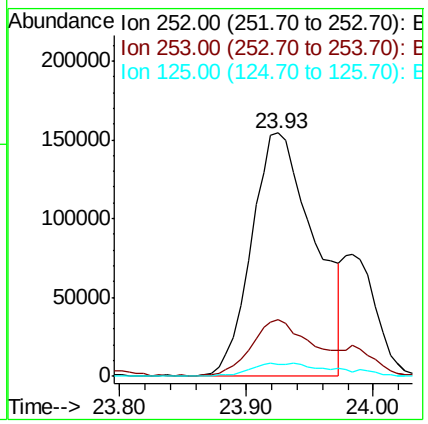




#88
Benzo(b)fluoranthene
Concen: 23.016 ng/ul
RT: 23.93 min Scan# 3504
Delta R.T. 0.01 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:252 Resp: 526820

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	4.9	4.6	7.0



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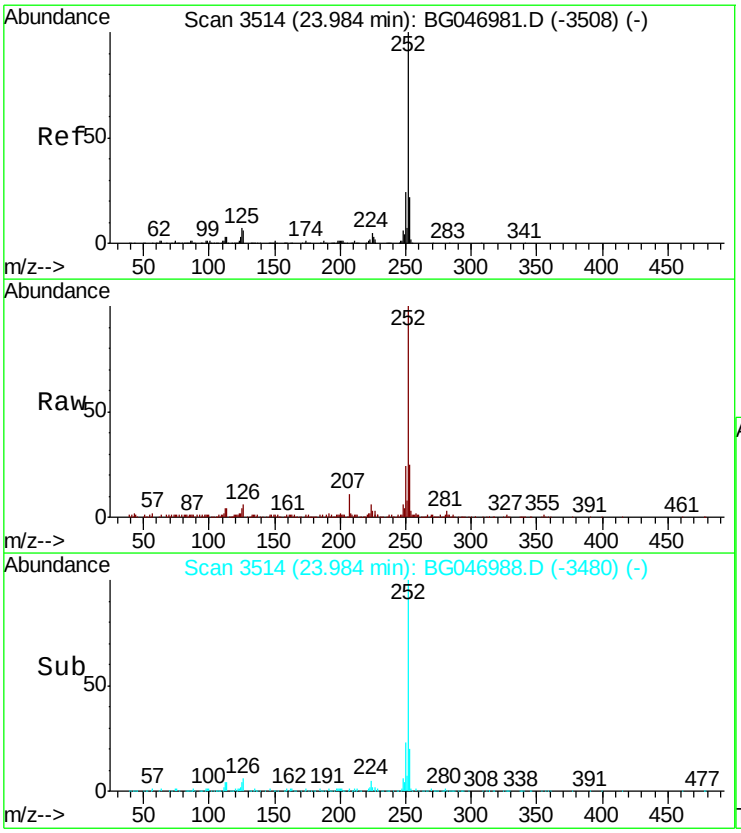
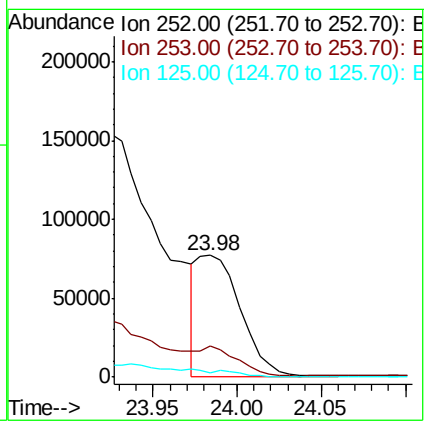
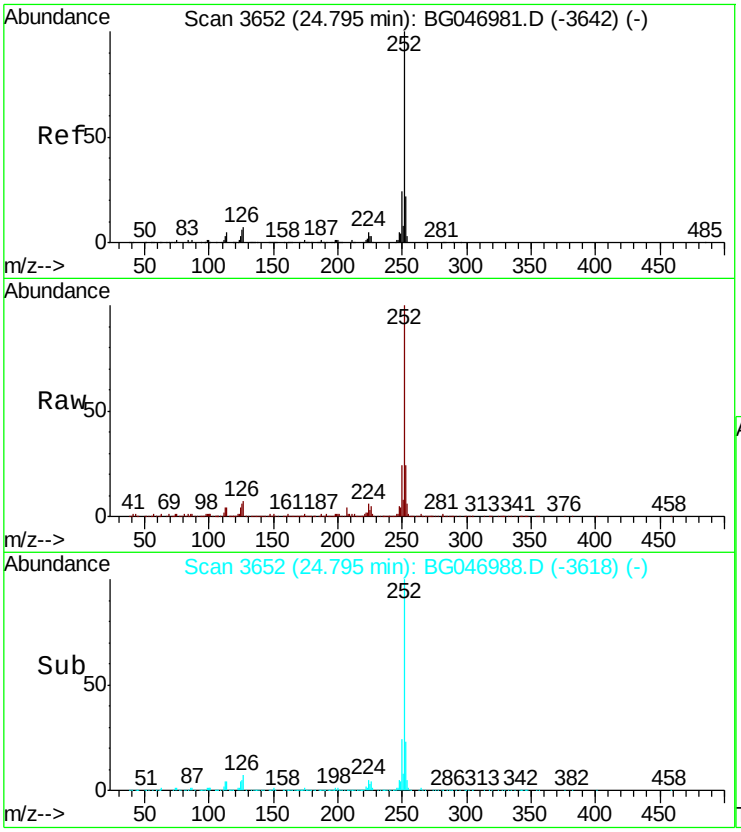


#89
Benzo(k)fluoranthene
Concen: 6.343 ng/ul m
RT: 23.98 min Scan# 3514
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:252 Resp: 140005

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	3.7	4.2	6.4#

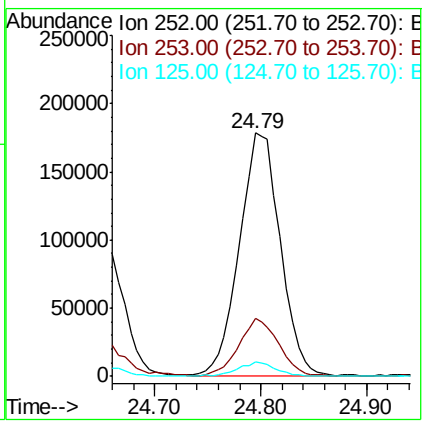




#91
Benzo(a)pyrene
Concen: 23.157 ng/ul
RT: 24.79 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:252 Resp: 476514

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	5.7	5.4	8.0



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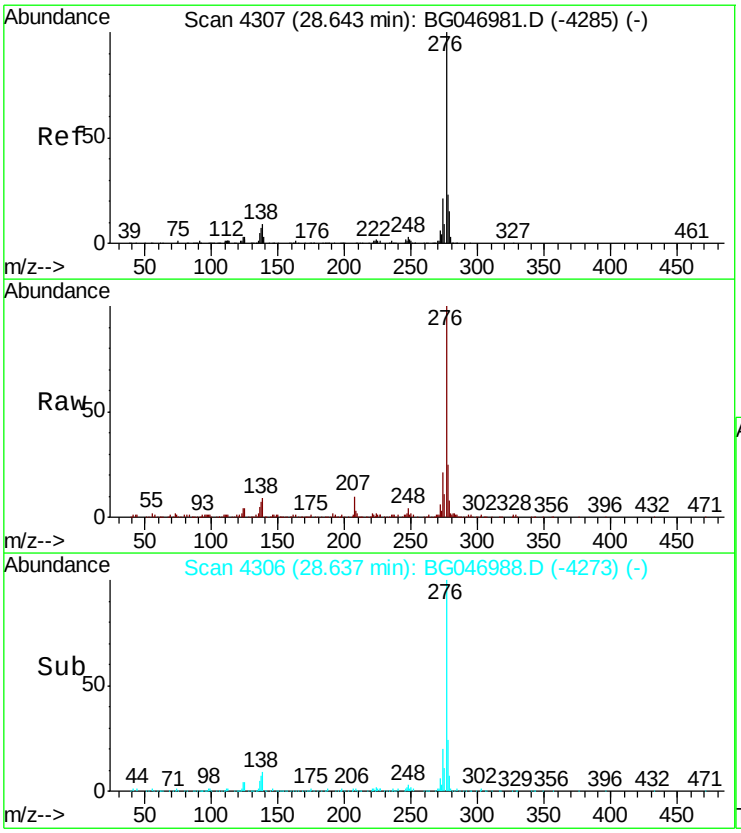
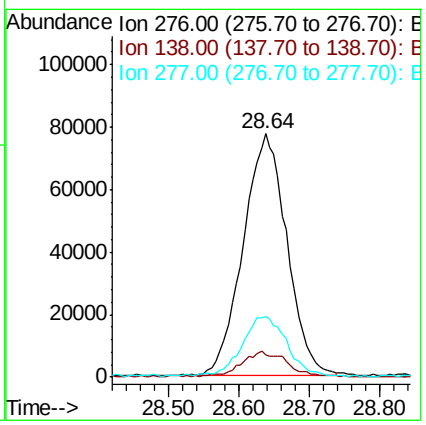
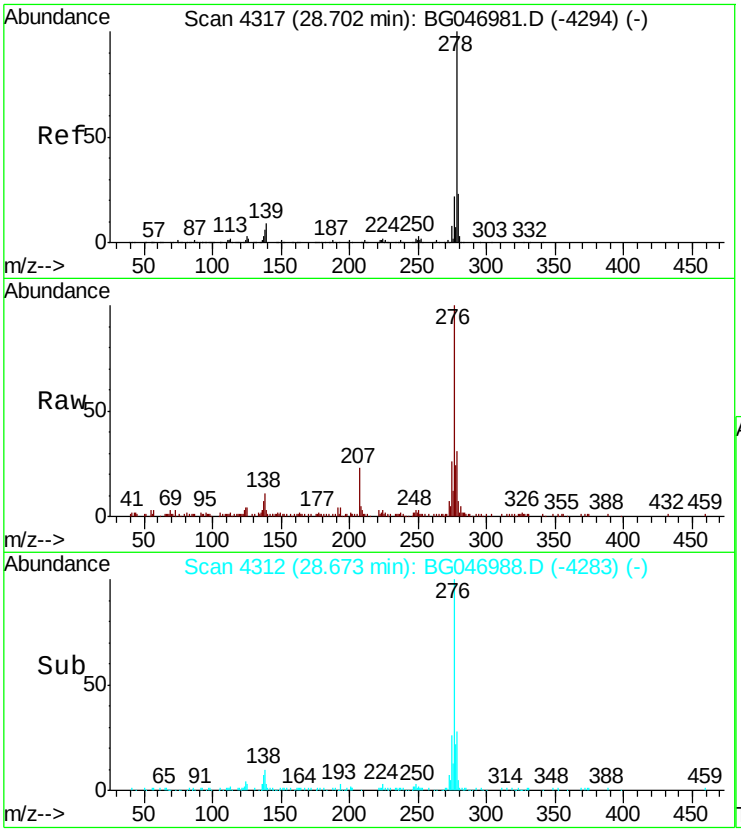


#92
Indeno(1,2,3-cd)pyrene
Concen: 13.203 ng/ul
RT: 28.64 min Scan# 4306
Delta R.T. -0.01 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:276 Resp: 332820

Ion	Ratio	Lower	Upper
276	100		
138	9.2	7.8	11.6
277	24.8	19.4	29.2





#93
Dibenzo(a,h)anthracene
Concen: 3.026 ng/ul m
RT: 28.67 min Scan# 4312
Delta R.T. -0.03 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:278 Resp: 63263

Ion	Ratio	Lower	Upper
278	100		
139	11.2	7.0	10.6#
279	23.3	19.0	28.4

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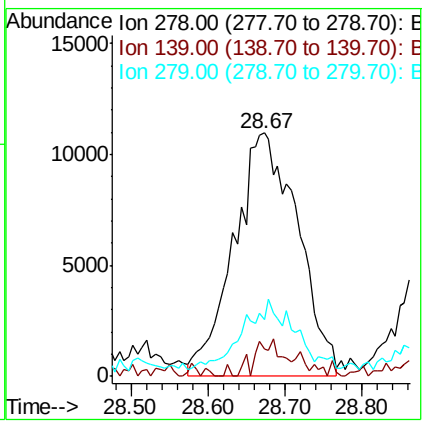
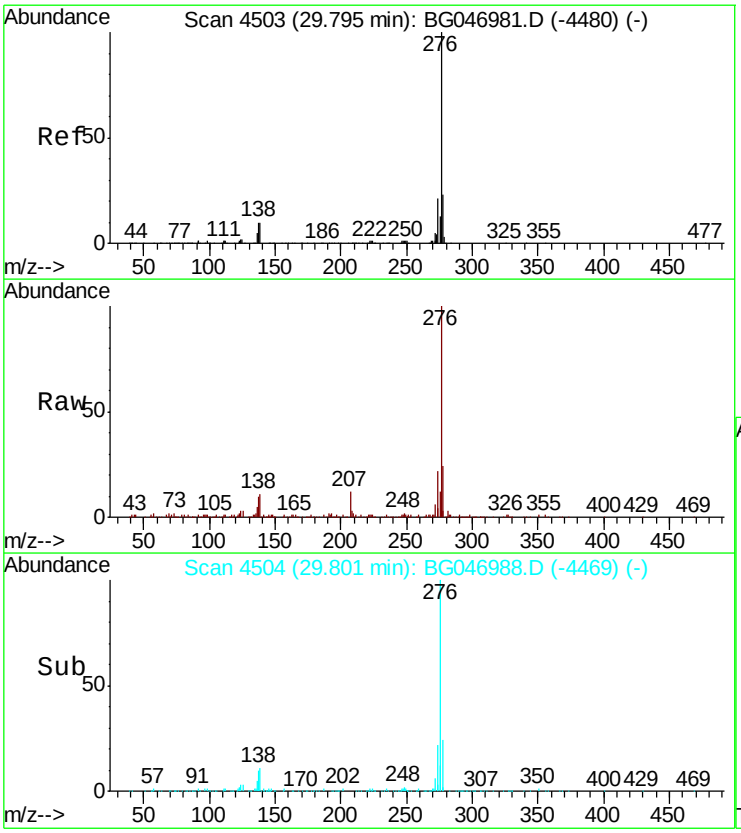
10/20/2020 2:57:51 PM





#94
Benzo(g,h,i)perylene
Concen: 14.762 ng/ul
RT: 29.80 min Scan# 4504
Delta R.T. 0.01 min
Lab File: BG046988.D
Acq: 19 Oct 2020 15:40

Tgt Ion:276 Resp: 312365

Ion	Ratio	Lower	Upper
276	100		
138	11.0	8.5	12.7
277	24.2	18.5	27.7