Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046311.D
Acq On : 18 Aug 2020 1:17
Operator : CG/JU
Sample : L3632-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFM92

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Quant Time: Aug 18 04:28:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 02:05:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	80064	20.00	ng/ul	-0.01
2) Naphthalene-d8	10.73	136	338679	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.57	164	237558	20.00	ng/ul	-0.01
12) Phenanthrene-d10	17.31	188	554095	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	536929	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	586379	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	53898	9.24	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	211854	9.69	ng/ul	0.00
10) Fluorene-d10	15.56	176	178123	10.63	ng/ul	0.00
15) Anthracene-d10	17.41	188	260343	10.14	ng/ul	0.00
19) Pyrene-d10	19.69	212	279243	10.10	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	290023	9.06	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.79	128	48438	2.750	ng/ul	99
5) 2-Methylnaphthalene	12.40	142	19509	1.453	ng/ul	98
8) Acenaphthylene	14.29	152	25878	1.164	ng/ul	98
9) Acenaphthene	14.63	153	28073	1.769	ng/ul	93
11) Fluorene	15.61	166	31805	1.714	ng/ul	98
14) Phenanthrene	17.35	178	562103	18.440	ng/ul	99
16) Anthracene	17.44	178	101695	3.306	ng/ul	97
17) Fluoranthene	19.36	202	828526	24.376	ng/ul	100
20) Pyrene	19.72	202	721788	20.480	ng/ul	99
21) Benzo(a)anthracene	21.54	228	407221	11.657	ng/ul	97
22) Chrysene	21.60	228	419370	12.418	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	525255	13.546	ng/ul	98
25) Benzo(k)fluoranthene	23.74	252	185530m	4.823	ng/ul	
27) Benzo(a)pyrene	24.51	252	338045	9.496	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	243202	5.456	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	71325	1.974	ng/ul	93
30) Benzo(g,h,i)perylene	29.26	276	178228	4.778	ng/ul	98

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

Quantitation Report (LSC Reviewed)

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Quant Title : SVOA CALIBRATION
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ClientSampleId :
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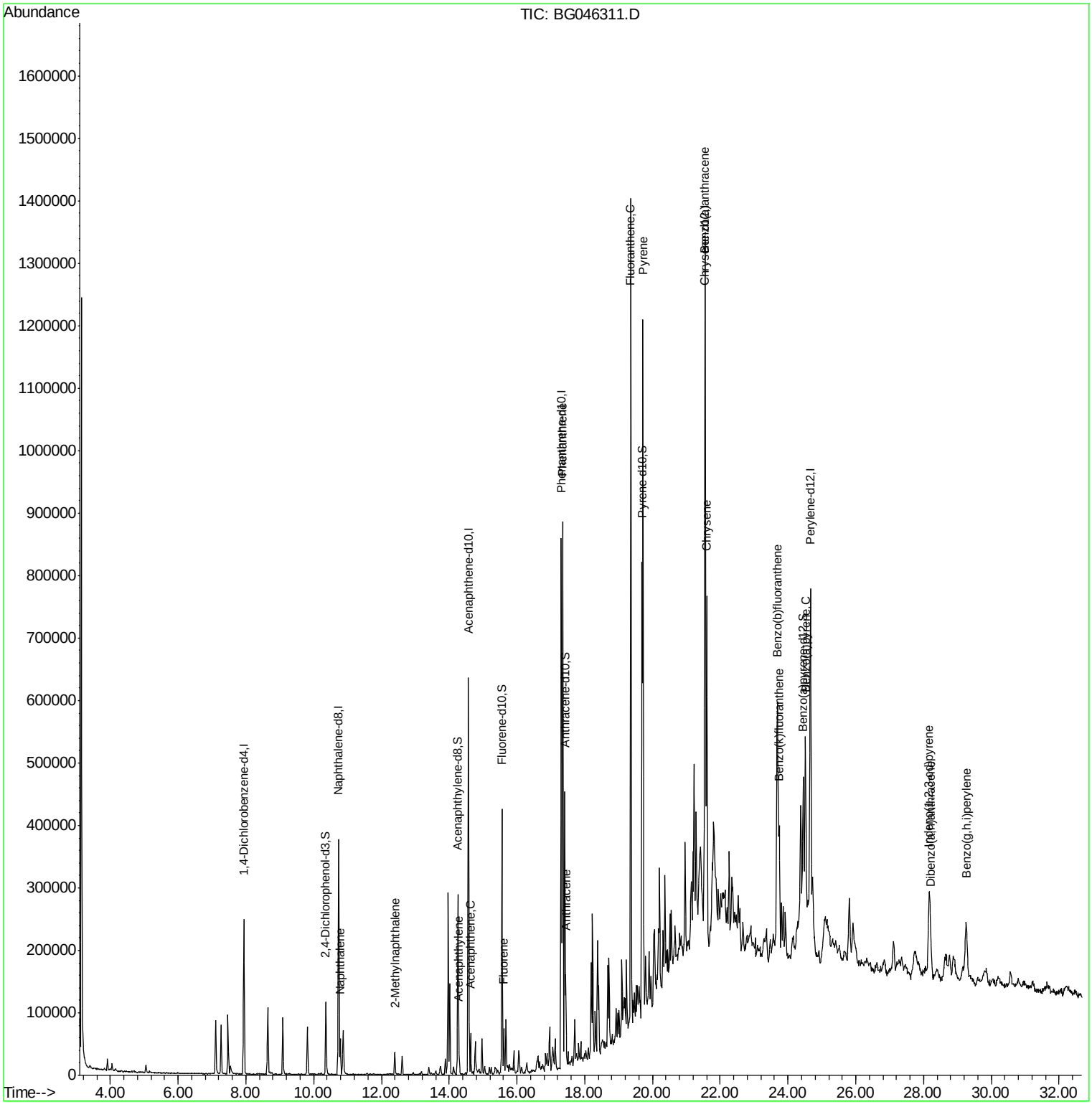
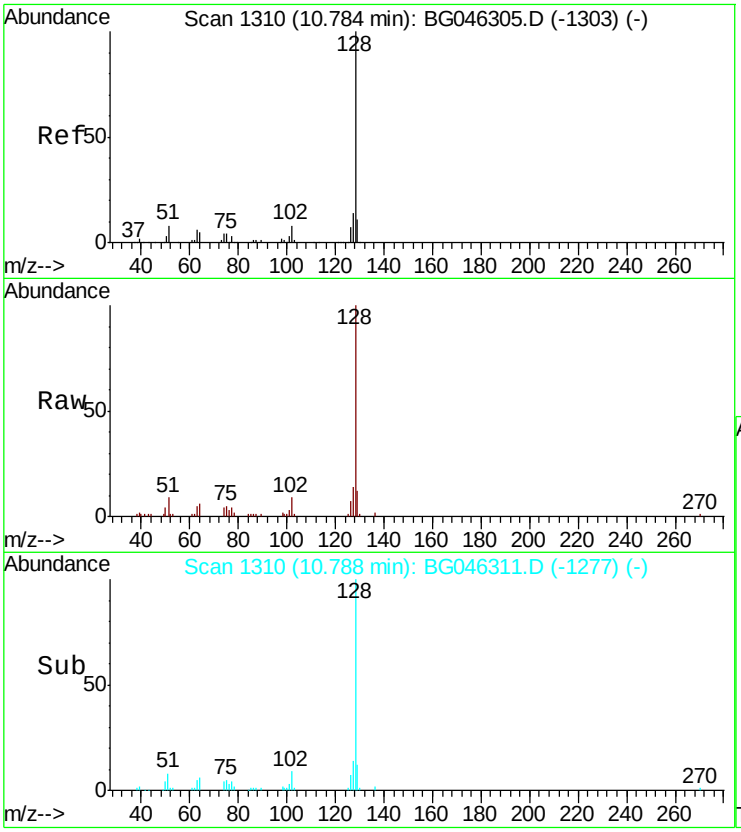
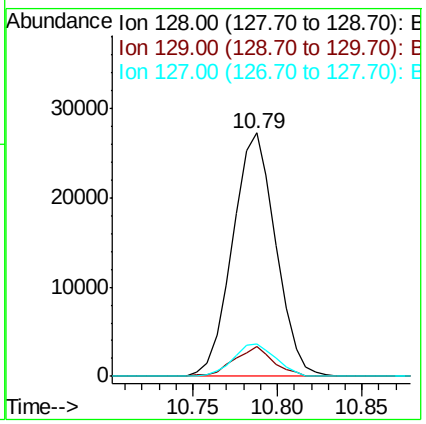




#4
Naphthalene
Concen: 2.750 ng/ul
RT: 10.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:128 Resp: 48438

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.0	13.6
127	13.5	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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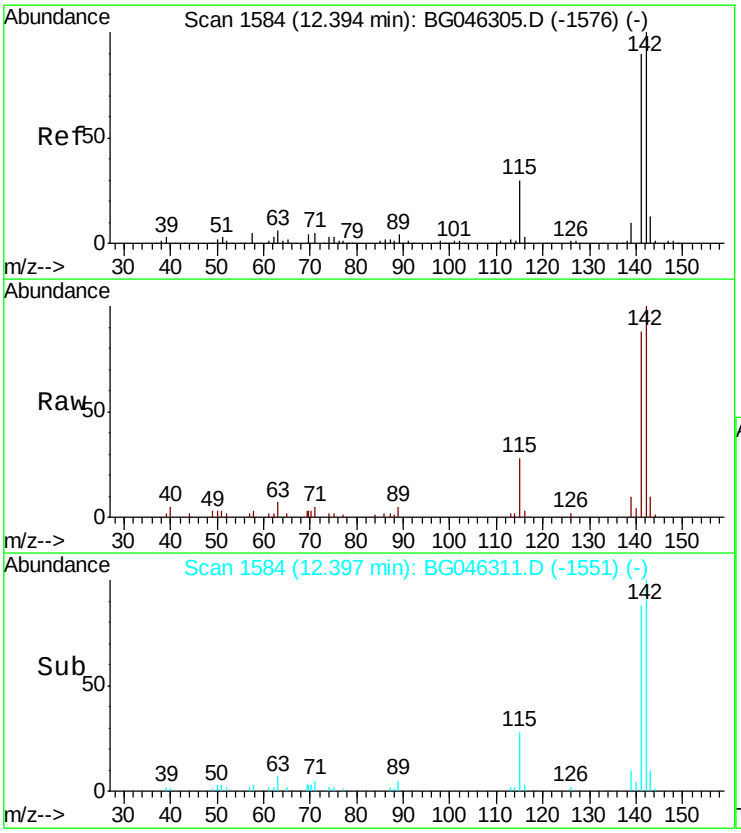
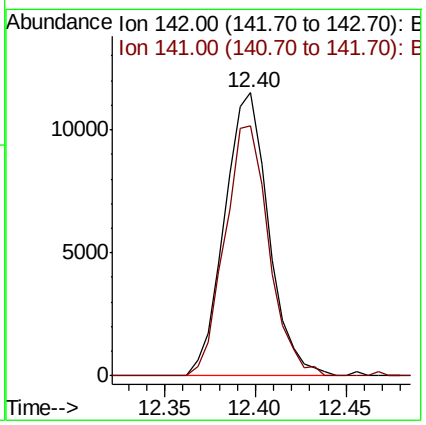
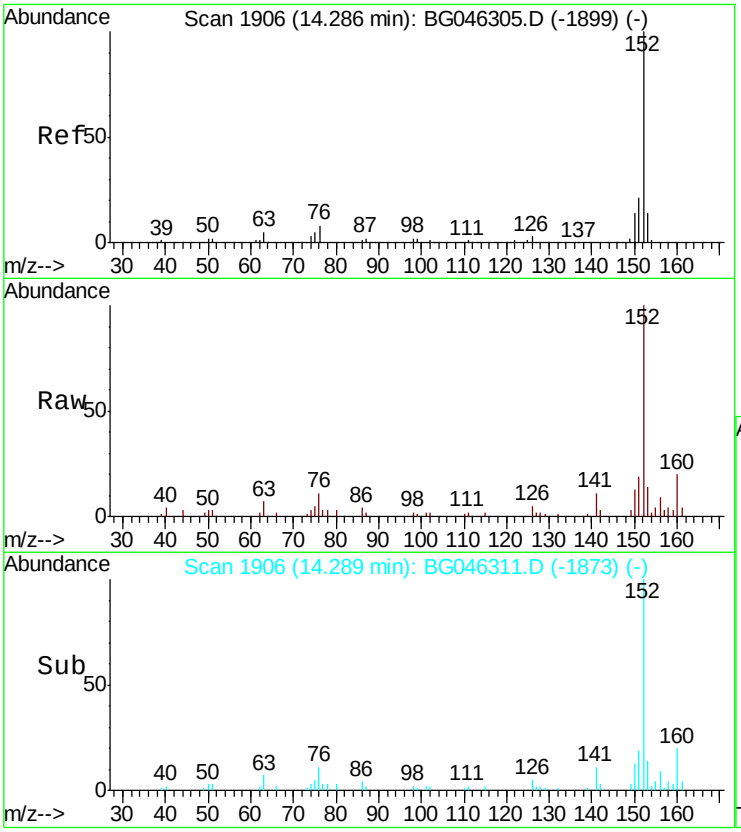


#5
2-Methylnaphthalene
Concen: 1.453 ng/ul
RT: 12.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:142 Resp: 19509

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.5	108.7

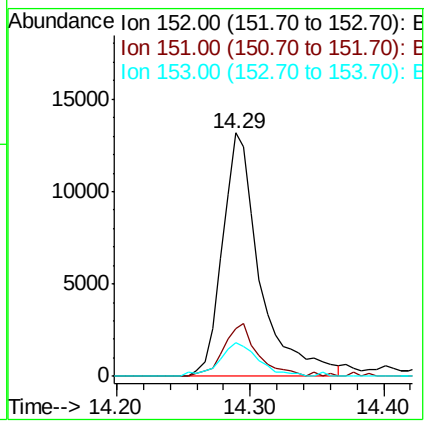




#8
Acenaphthylene
Concen: 1.164 ng/ul
RT: 14.29 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:152 Resp: 25878

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.5	24.7
153	14.0	11.0	16.6



Instrument :
BNA_G
ClientSampleId :
BFM92

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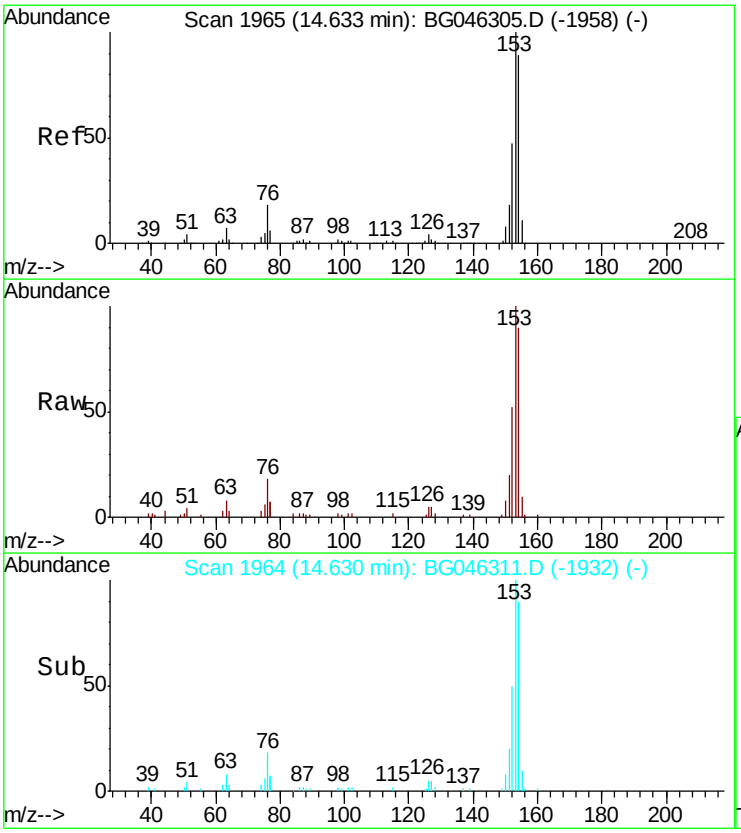
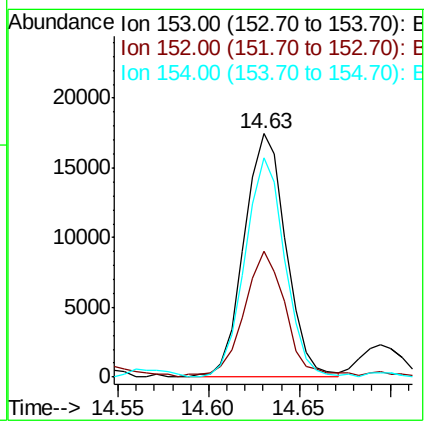
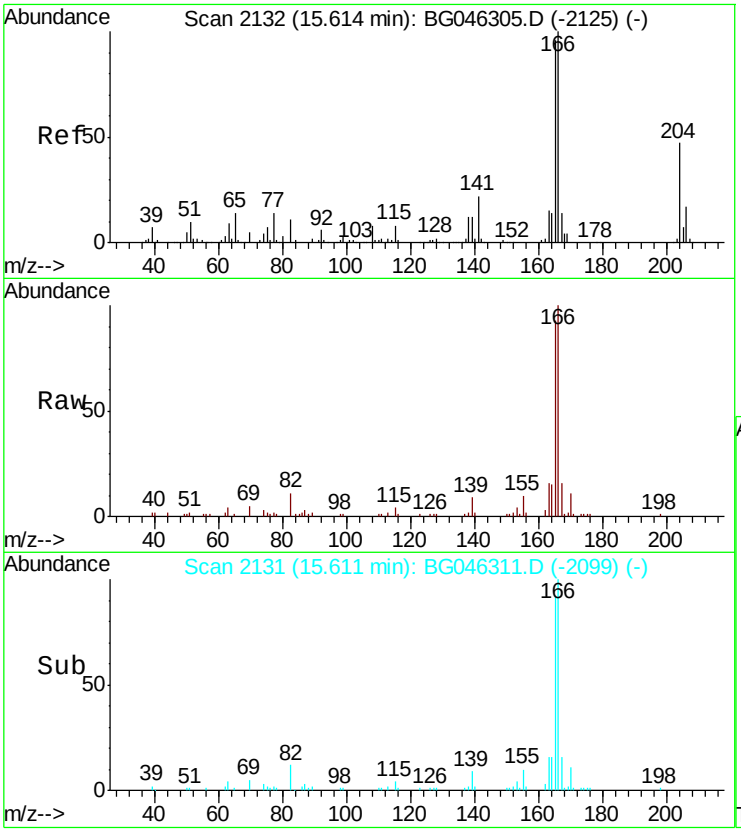


#9
Acenaphthene
Concen: 1.769 ng/ul
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:153 Resp: 28073

Ion	Ratio	Lower	Upper
153	100		
152	51.8	37.2	55.8
154	90.0	67.8	101.6

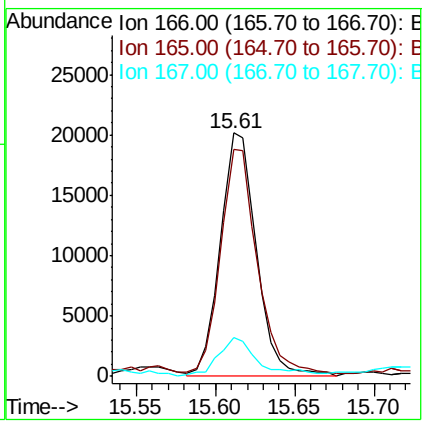




#11
Fluorene
Concen: 1.714 ng/ul
RT: 15.61 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:166 Resp: 31805

Ion	Ratio	Lower	Upper
166	100		
165	93.1	75.9	113.9
167	15.9	10.7	16.1



Instrument :
BNA_G
ClientSampleId :
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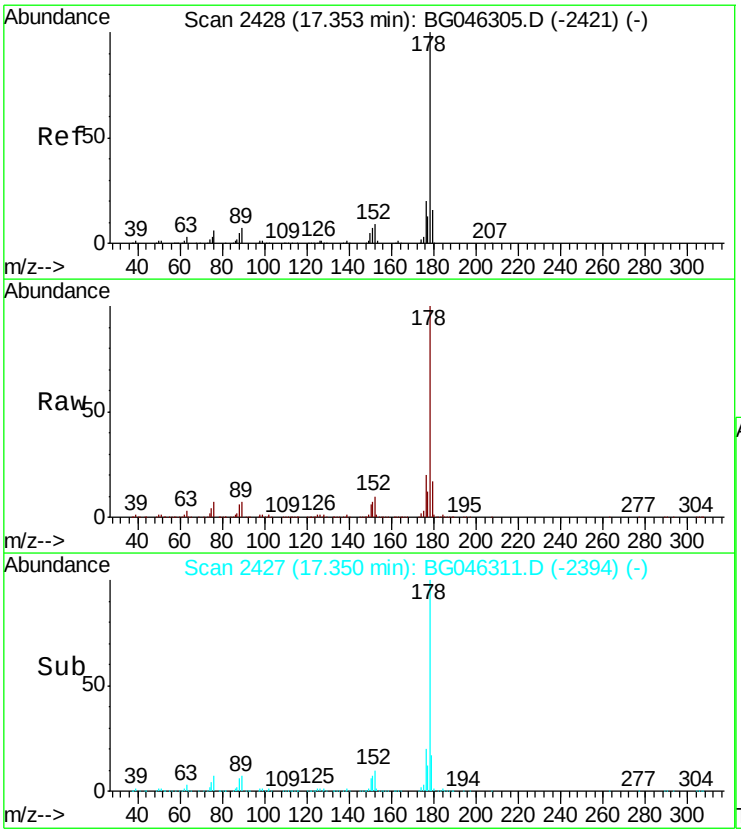
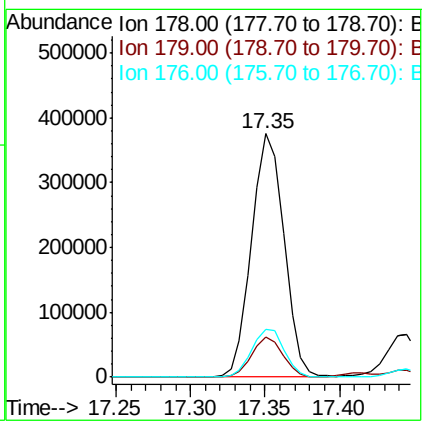
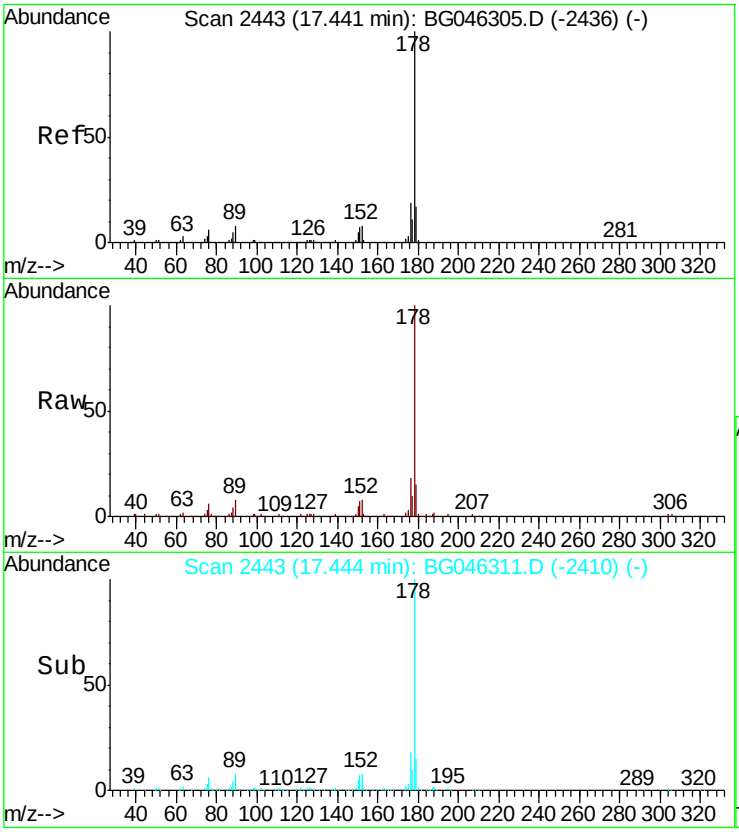


#14
Phenanthrene
Concen: 18.440 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:178 Resp: 562103

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	19.6	15.8	23.8

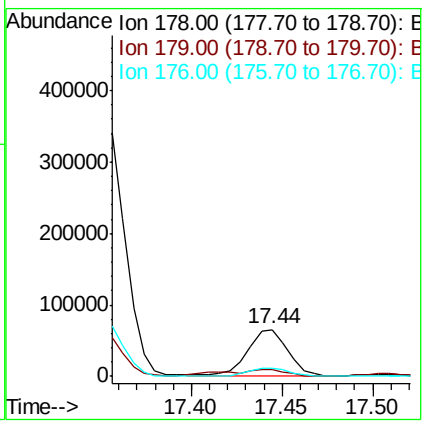




#16
Anthracene
Concen: 3.306 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:178 Resp: 101695

Ion	Ratio	Lower	Upper
178	100		
179	15.0	13.2	19.8
176	18.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
BFM92

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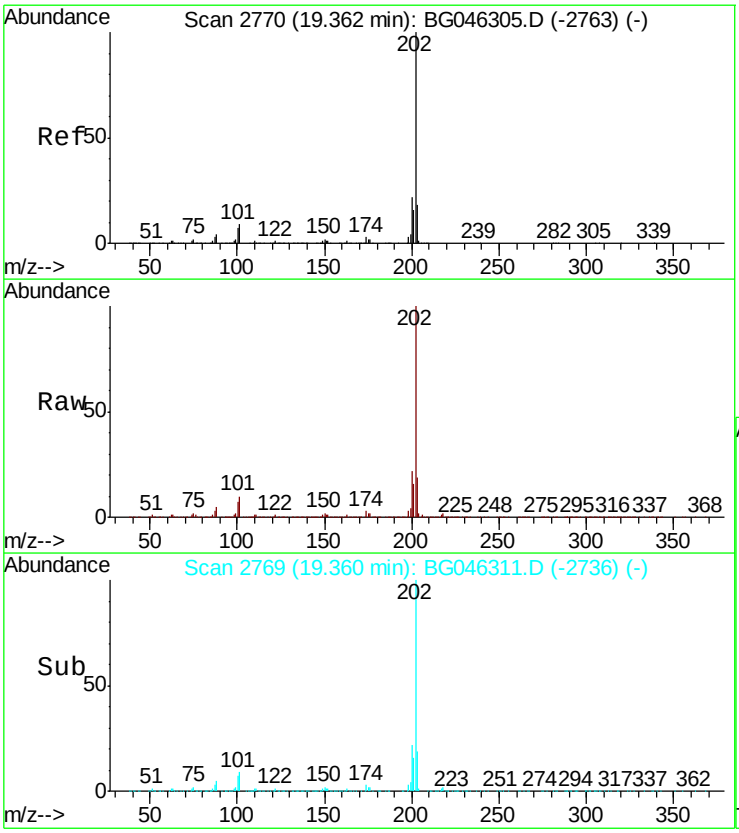
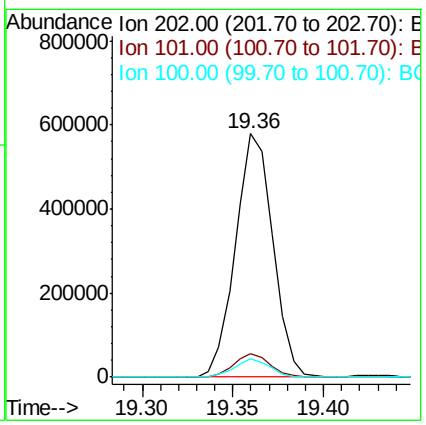
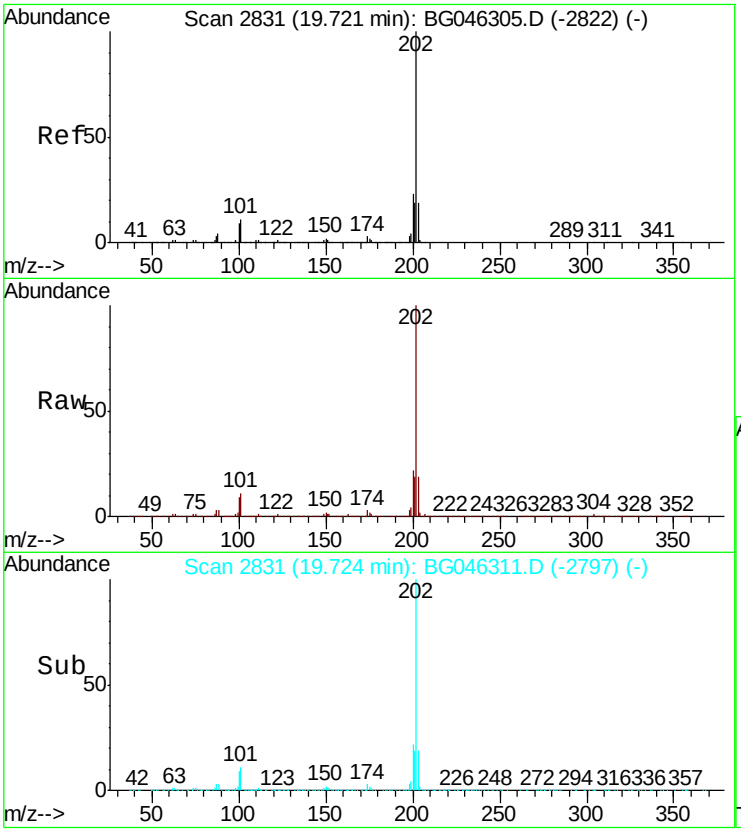


#17
Fluoranthene
Concen: 24.376 ng/ul
RT: 19.36 min Scan# 2769
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:202 Resp: 828526

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.8	11.6
100	7.3	5.9	8.9

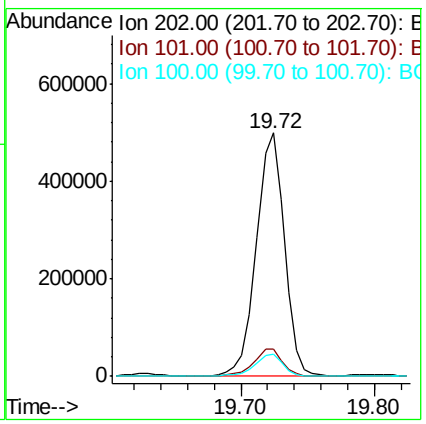




#20
Pyrene
Concen: 20.480 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:202 Resp: 721788

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
100	9.0	7.9	11.9



Instrument :
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ClientSampleId :
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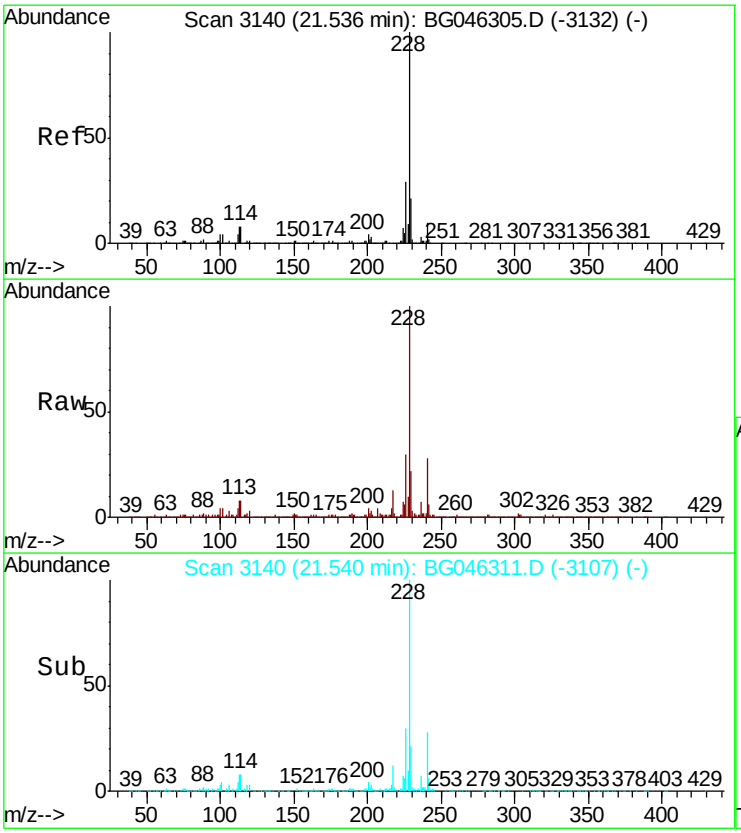
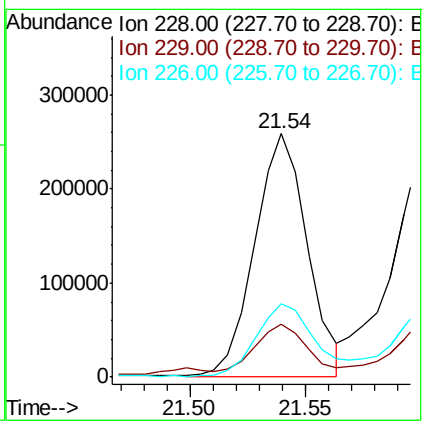
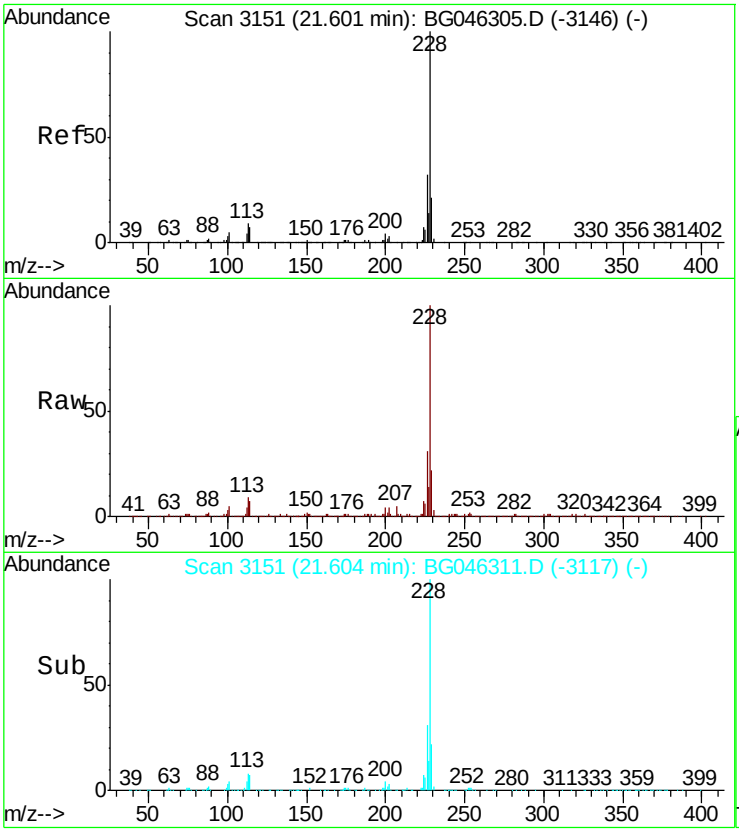


#21
Benzo(a)anthracene
Concen: 11.657 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:228 Resp: 407221

Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.6	25.0
226	30.0	22.6	33.8

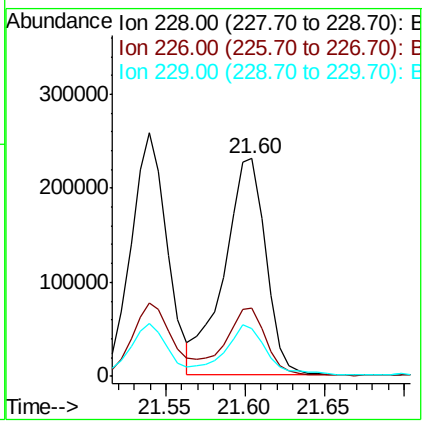




#22
Chrysene
Concen: 12.418 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:228 Resp: 419370

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.5	38.3
229	22.2	17.0	25.4



Instrument :
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ClientSampleId :
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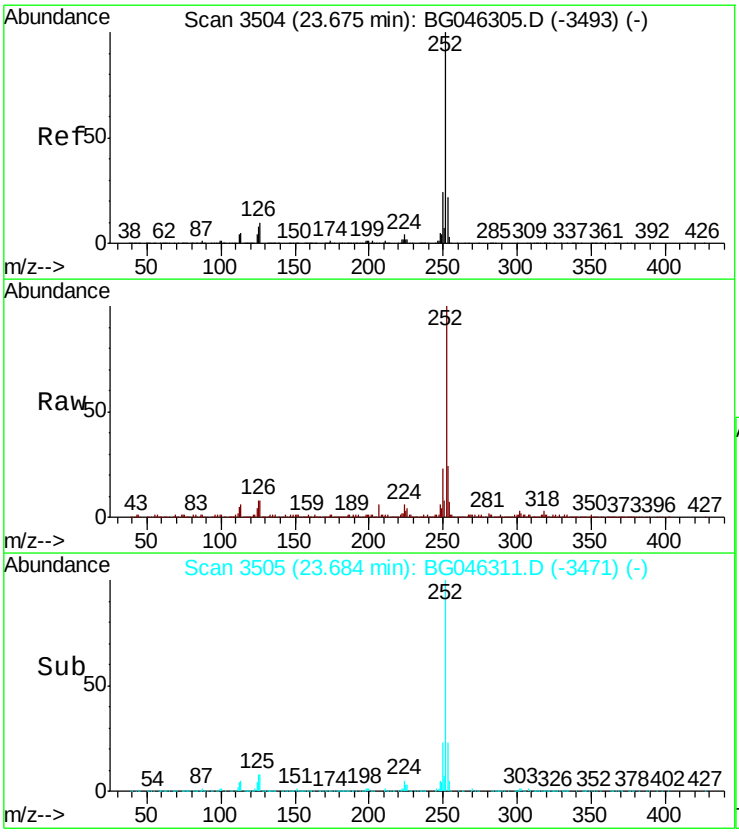
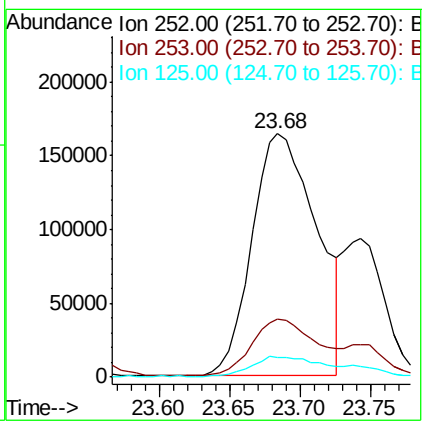
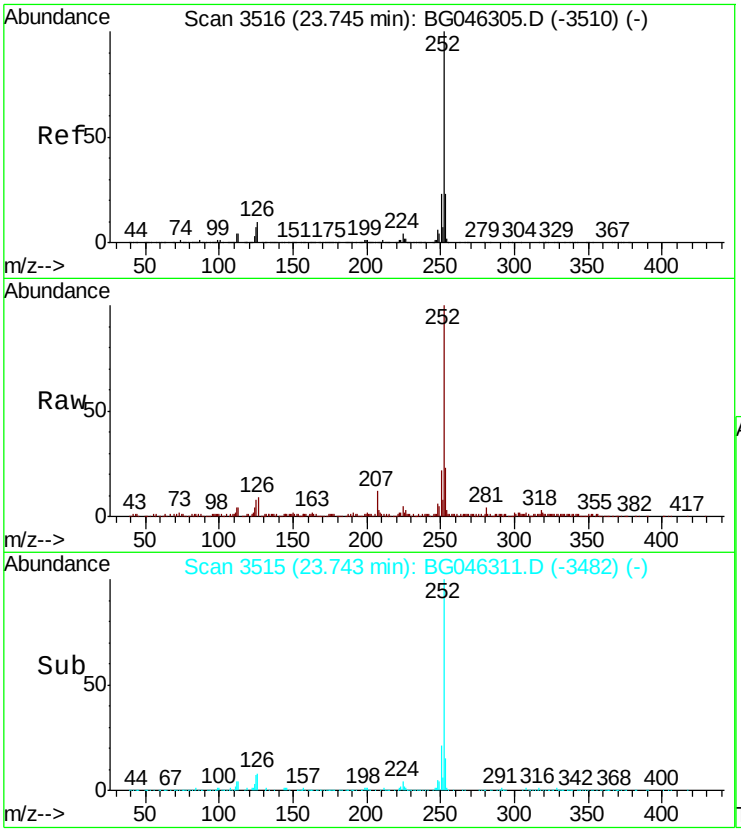


#24
Benzo(b)fluoranthene
Concen: 13.546 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:252 Resp: 525255

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	8.0	6.4	9.6

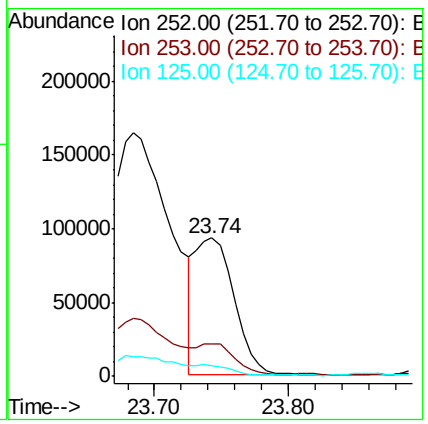




#25
Benzo(k)fluoranthene
Concen: 4.823 ng/ul m
RT: 23.74 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:252 Resp: 185530

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	7.9	6.2	9.2



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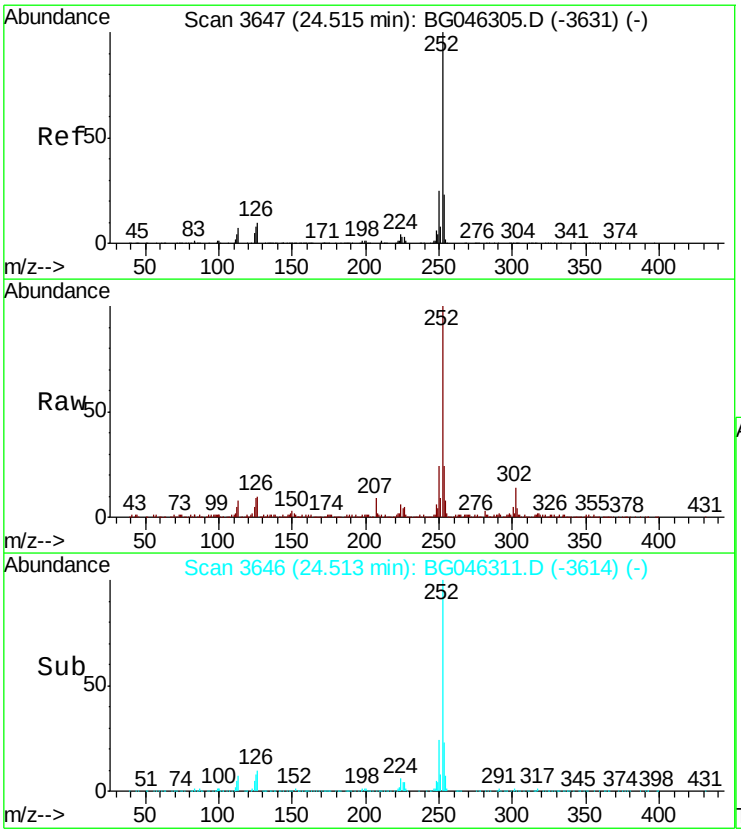
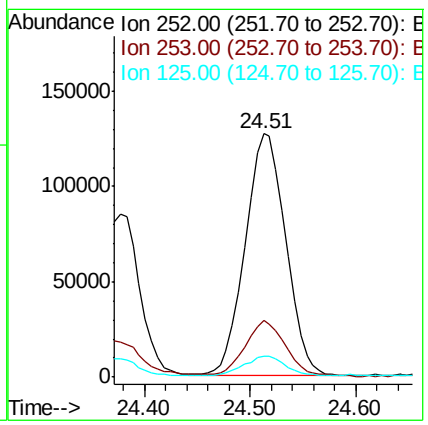
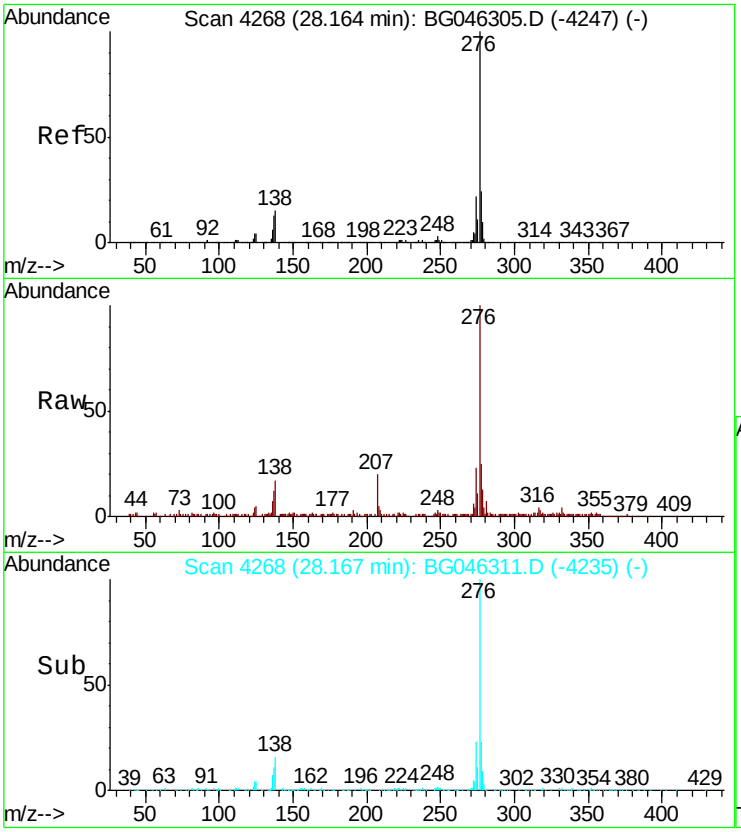


#27
Benzo(a)pyrene
Concen: 9.496 ng/ul
RT: 24.51 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:252 Resp: 338045

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	8.6	7.1	10.7

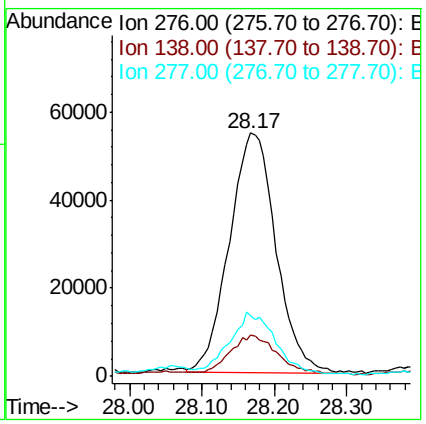




#28
Indeno(1,2,3-cd)pyrene
Concen: 5.456 ng/ul
RT: 28.17 min Scan# 4268
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:276 Resp: 243202

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.2	19.8
277	24.8	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
BFM92

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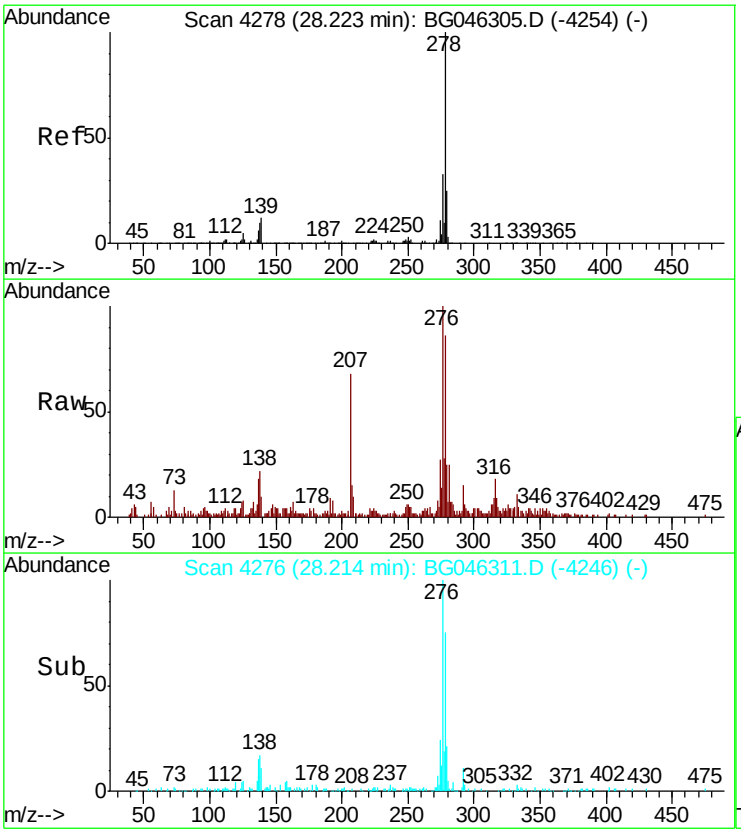
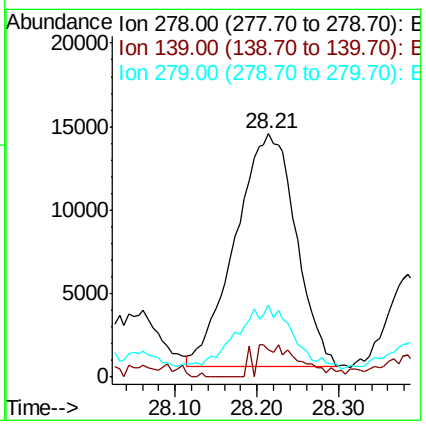
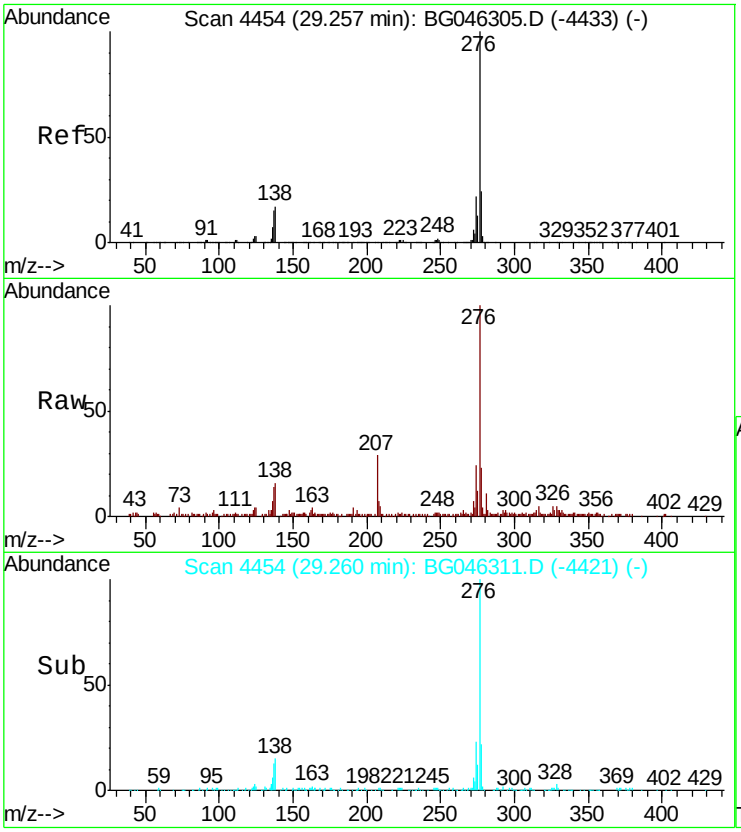


#29
Dibenzo(a,h)anthracene
Concen: 1.974 ng/ul
RT: 28.21 min Scan# 4276
Delta R.T. -0.02 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:278 Resp: 71325

Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.8	14.8
279	29.4	19.7	29.5

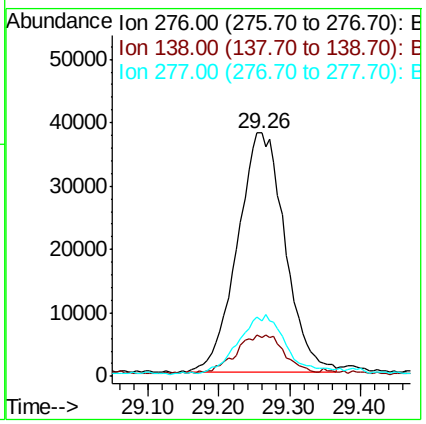




#30
Benzo(g,h,i)perylene
Concen: 4.778 ng/ul
RT: 29.26 min Scan# 4454
Delta R.T. -0.01 min
Lab File: BG046311.D
Acq: 18 Aug 2020 1:17

Tgt Ion:276 Resp: 178228

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	22.9	19.4	29.0



Instrument :
BNA_G
ClientSampleId :
BFM92

Manual Integrations APPROVED
mohammad
8/19/2020 2:16:13 PM