Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046375.D
Acq On : 20 Aug 2020 12:34
Operator : CG/JU
Sample : L3634-17
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BFMG5

Manual Integrations APPROVED
mohammad
8/21/2020 12:47:13 PM

Quant Time: Aug 20 13:11:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 11:14:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	83487	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	339661	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	226879	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	532495	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	540410	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	572178	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	103846	17.76	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	392543	18.80	ng/ul	0.00
10) Fluorene-d10	15.56	176	307493	19.22	ng/ul	0.00
15) Anthracene-d10	17.41	188	470392	19.06	ng/ul	0.00
19) Pyrene-d10	19.69	212	558695	20.08	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	605685	19.40	ng/ul	0.00
Target Compounds						Qvalue
9) Acenaphthene	14.63	153	23407	1.544	ng/ul	96
11) Fluorene	15.61	166	28980	1.635	ng/ul	96
14) Phenanthrene	17.35	178	625422	21.349	ng/ul	99
16) Anthracene	17.44	178	115689	3.914	ng/ul	98
17) Fluoranthene	19.36	202	927793	28.403	ng/ul	99
20) Pyrene	19.72	202	794381	22.394	ng/ul	99
21) Benzo(a)anthracene	21.54	228	434395	12.355	ng/ul	98
22) Chrysene	21.60	228	475385	13.986	ng/ul	97
24) Benzo(b)fluoranthene	23.68	252	584187	15.439	ng/ul	97
25) Benzo(k)fluoranthene	23.74	252	232402m	6.192	ng/ul	
27) Benzo(a)pyrene	24.52	252	395779	11.394	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.17	276	255770	5.880	ng/ul	99
29) Dibenzo(a,h)anthracene	28.22	278	69634	1.975	ng/ul	97
30) Benzo(g,h,i)perylene	29.26	276	225691	6.200	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BFMG5

Manual Integrations APPROVED
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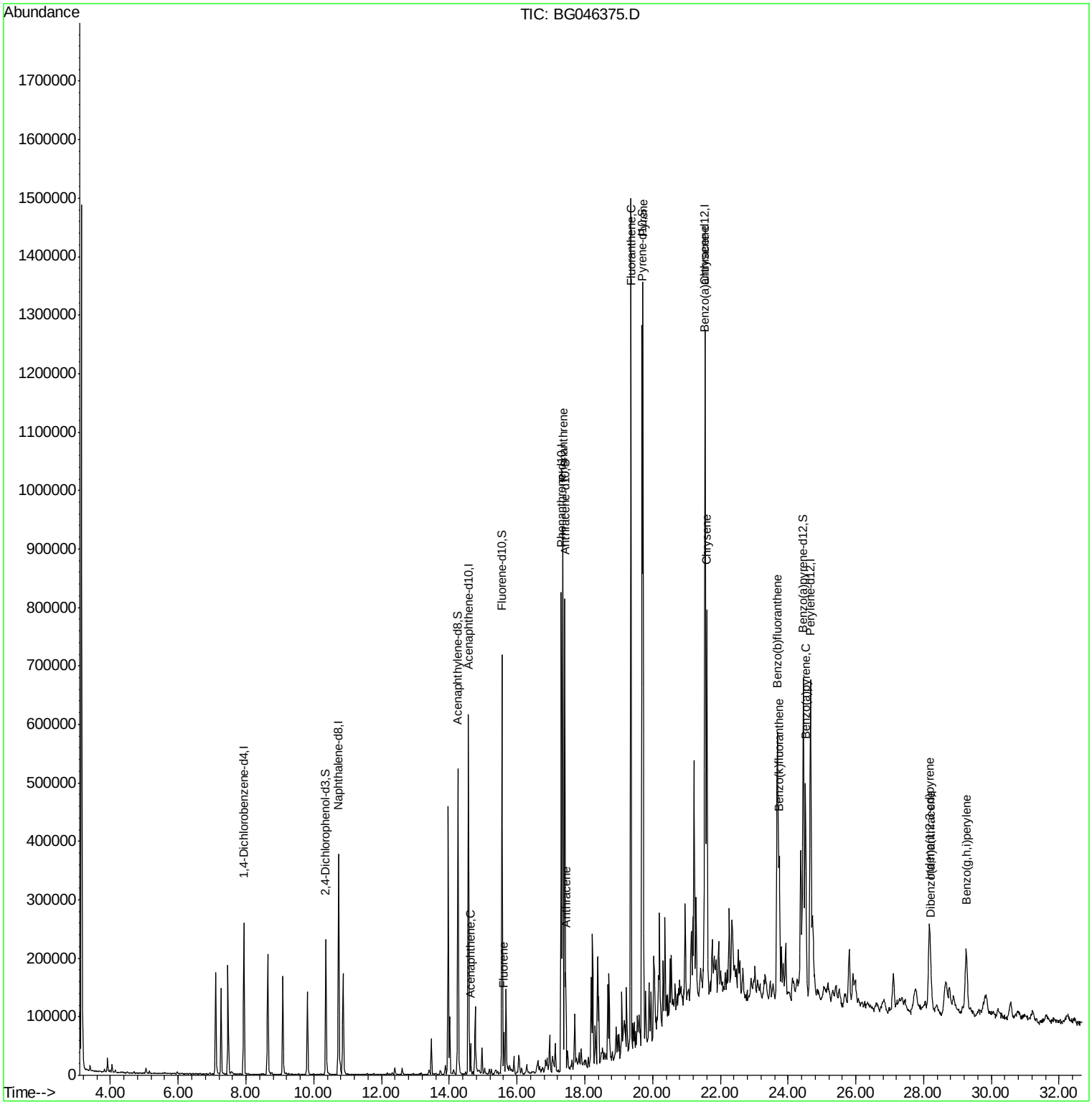
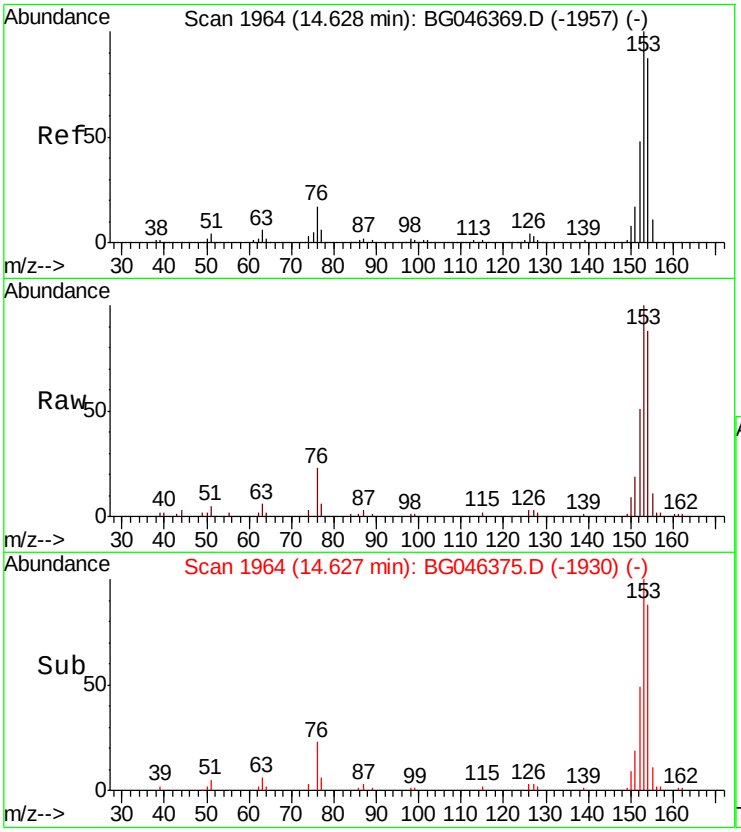
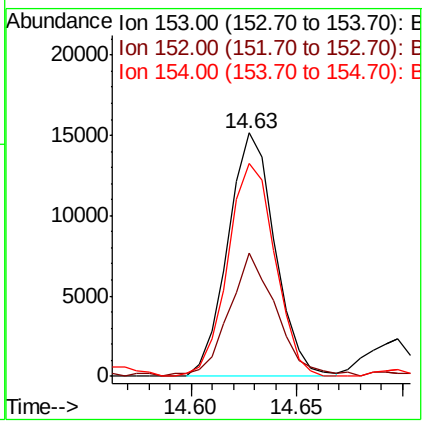




#9
Acenaphthene
Concen: 1.544 ng/ul
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:153 Resp: 23407

Ion	Ratio	Lower	Upper
153	100		
152	50.6	37.2	55.8
154	87.6	67.8	101.6



Instrument :
BNA_G
ClientSampleId :
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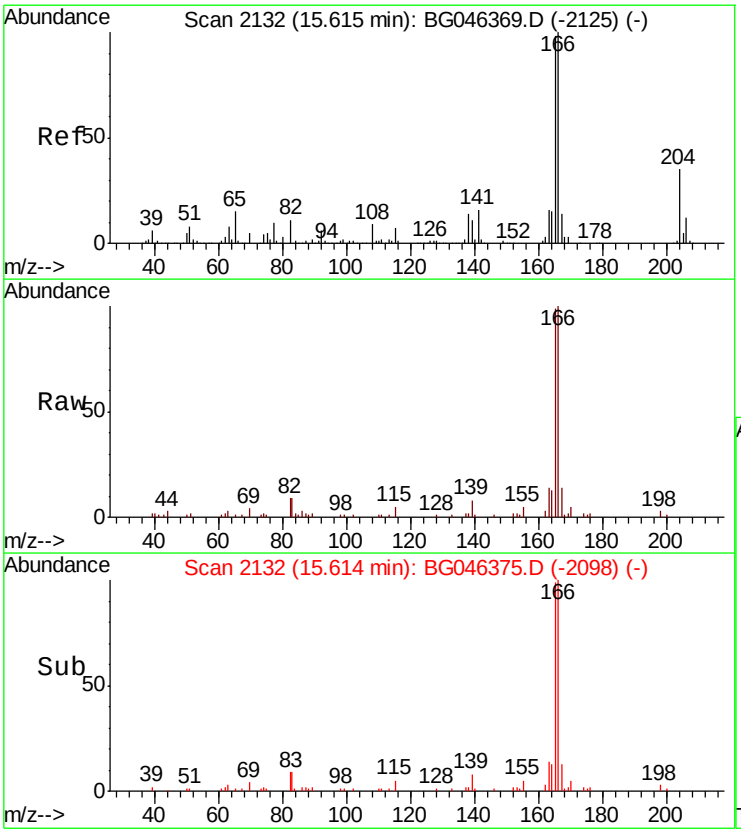
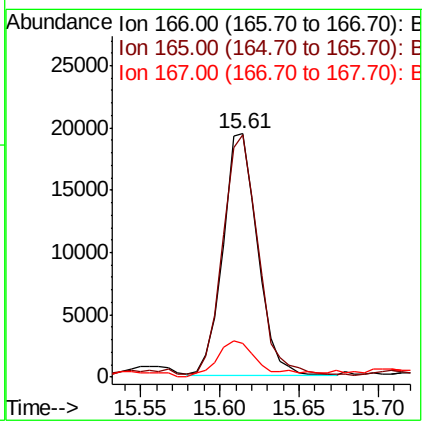
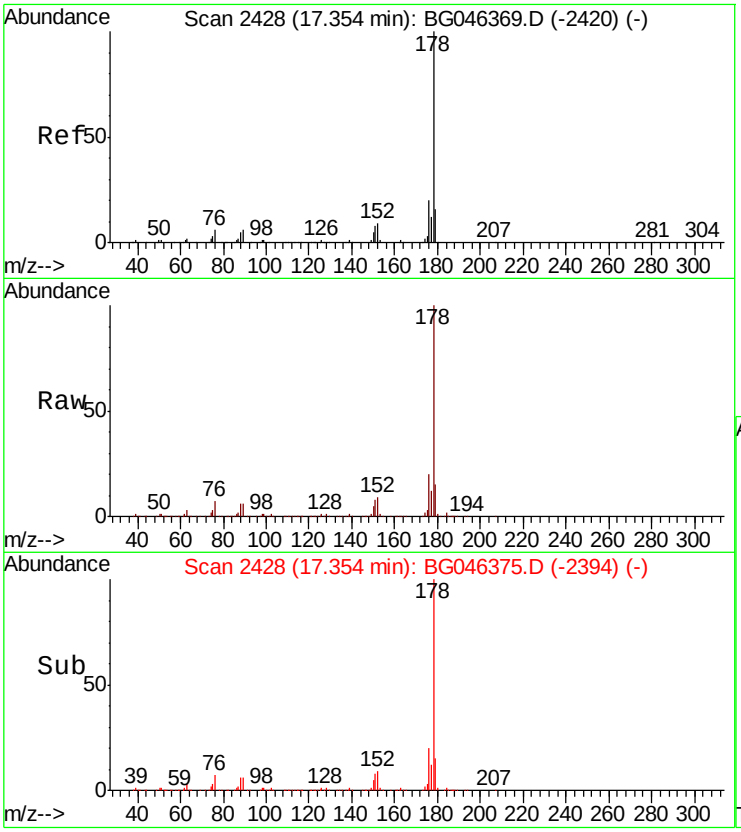


#11
Fluorene
Concen: 1.635 ng/ul
RT: 15.61 min Scan# 2132
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:166 Resp: 28980

Ion	Ratio	Lower	Upper
166	100		
165	99.4	75.9	113.9
167	13.7	10.7	16.1

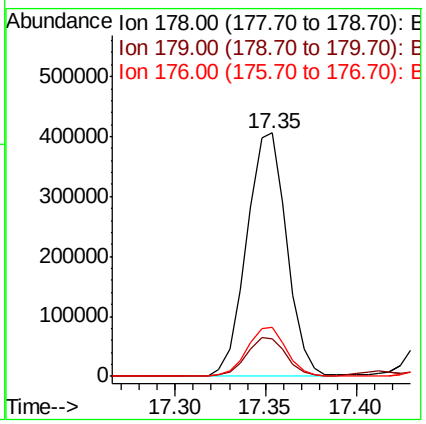




#14
Phenanthrene
Concen: 21.349 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:178 Resp: 625422

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.8	19.2
176	20.2	15.8	23.8



Instrument :
BNA_G
ClientSampleId :
BFMG5

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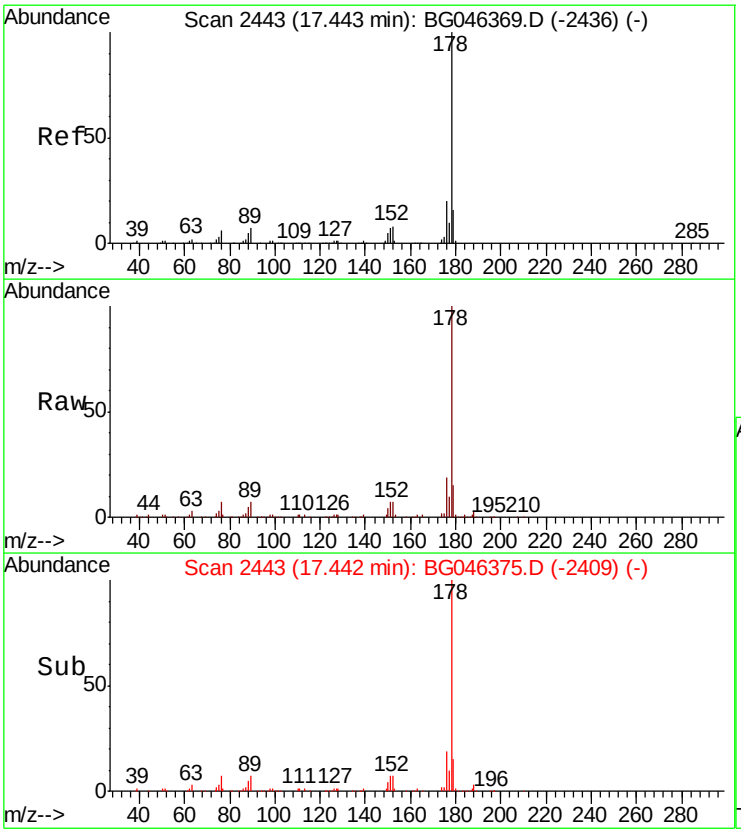
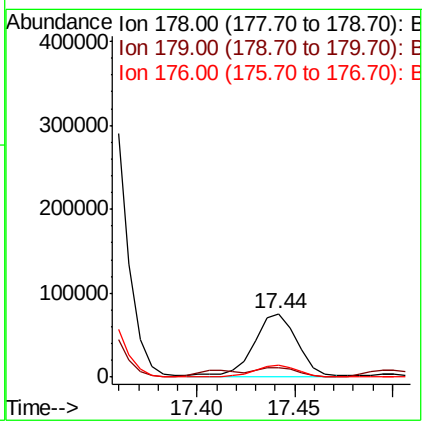
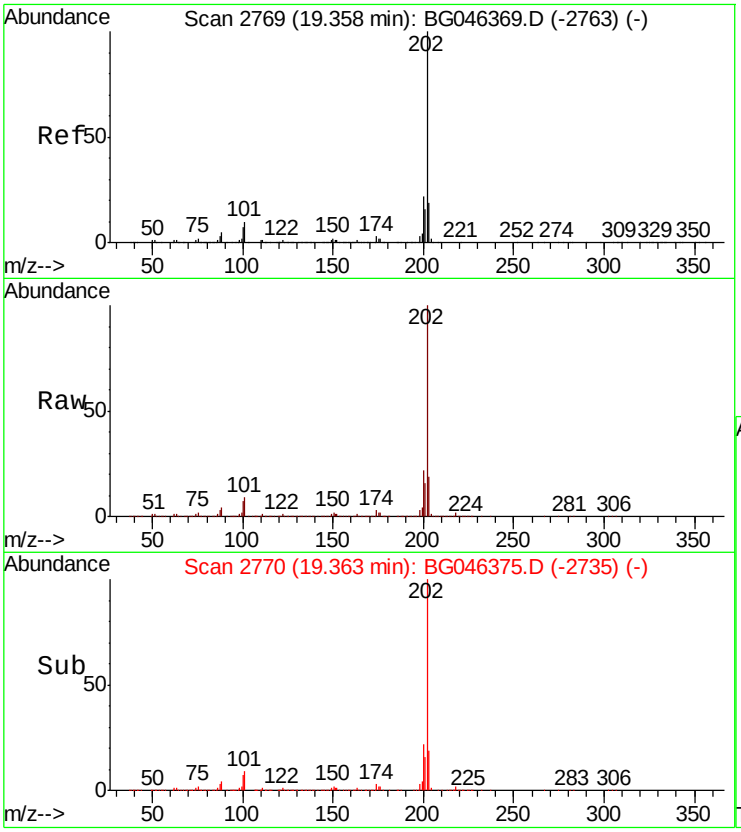


#16
Anthracene
Concen: 3.914 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:178 Resp: 115689

Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.2	19.8
176	19.2	15.2	22.8

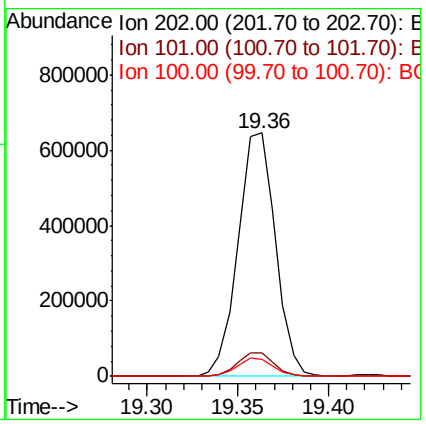




#17
Fluoranthene
Concen: 28.403 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:202 Resp: 927793

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.6
100	7.1	5.9	8.9



Instrument :
BNA_G
ClientSampleId :
BFMG5

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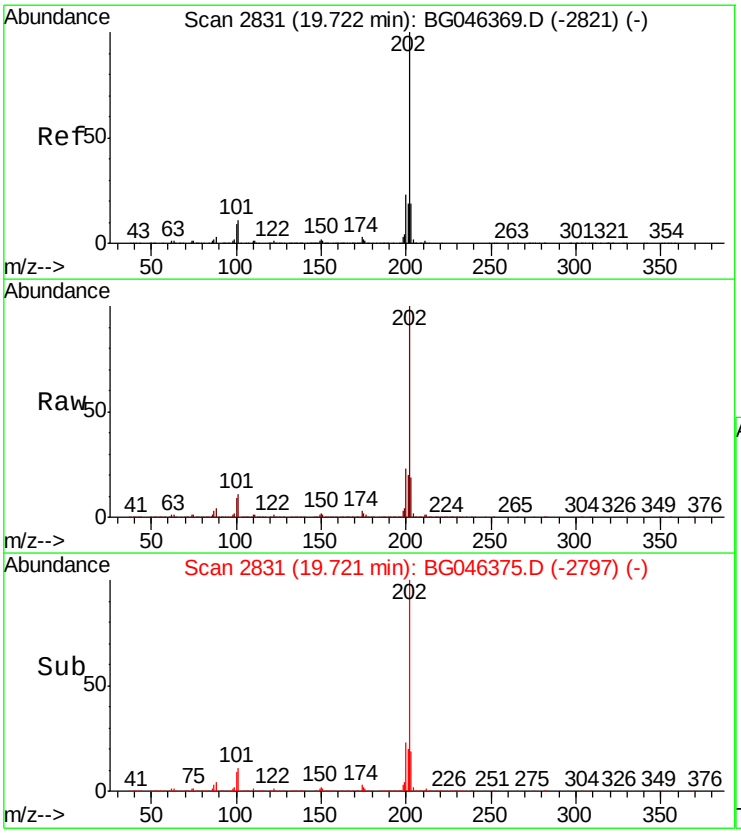
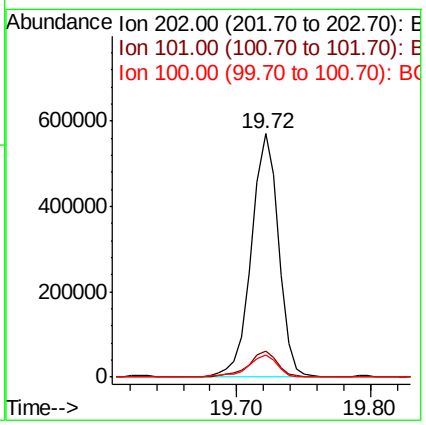
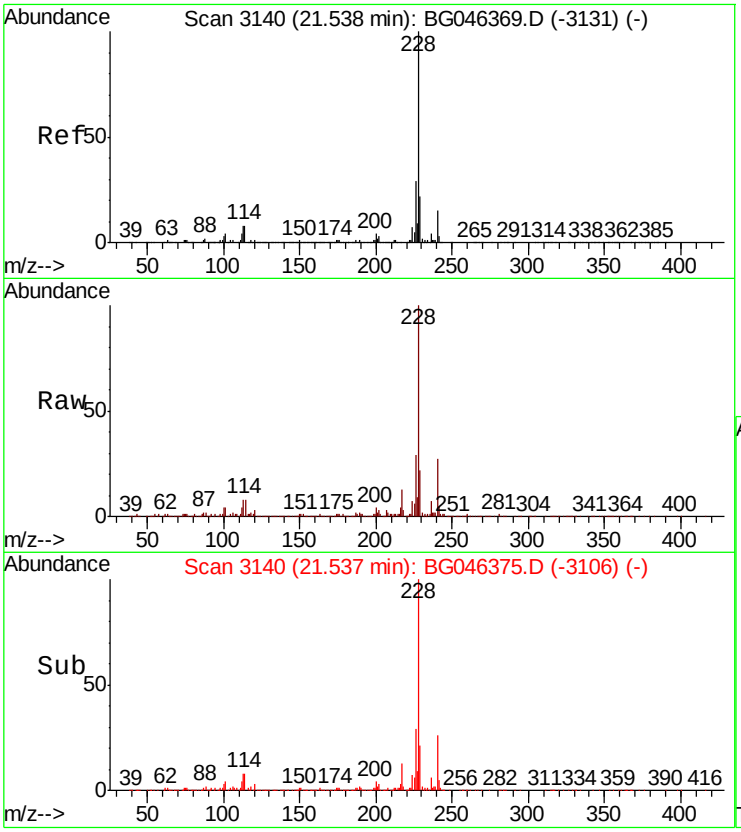


#20
Pyrene
Concen: 22.394 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:202 Resp: 794381

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.9	13.3
100	9.1	7.9	11.9

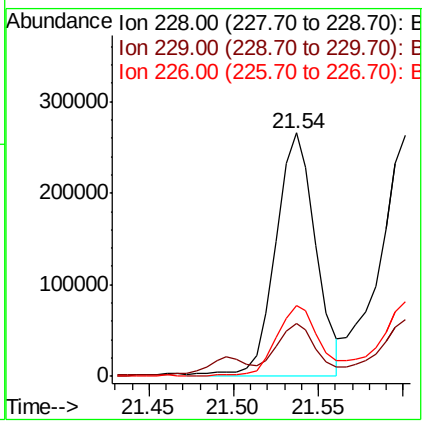




#21
Benzo(a)anthracene
Concen: 12.355 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:228 Resp: 434395

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.6	25.0
226	29.0	22.6	33.8



Instrument :
BNA_G
ClientSampleId :
BFMG5

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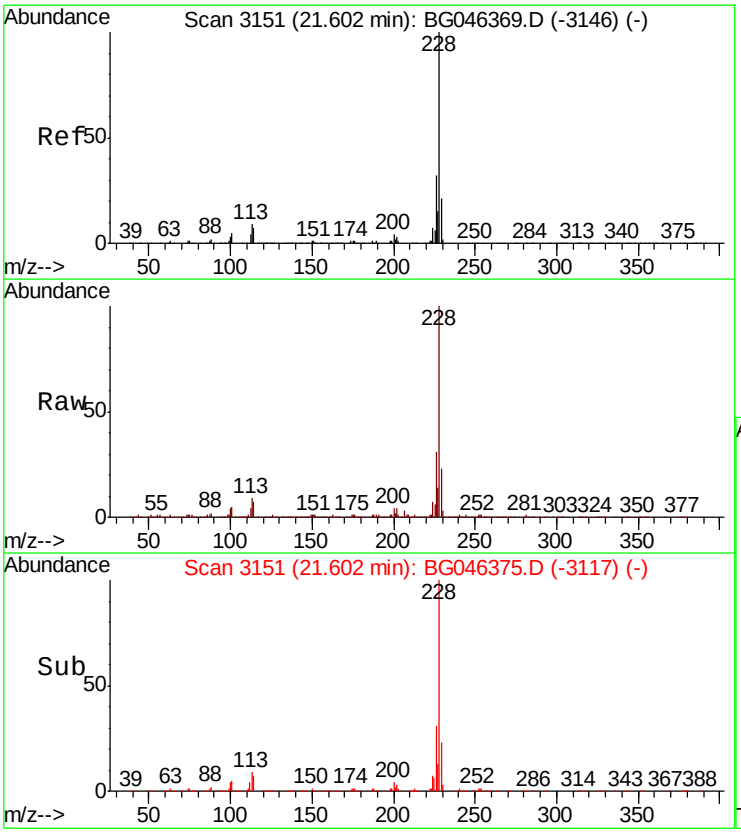
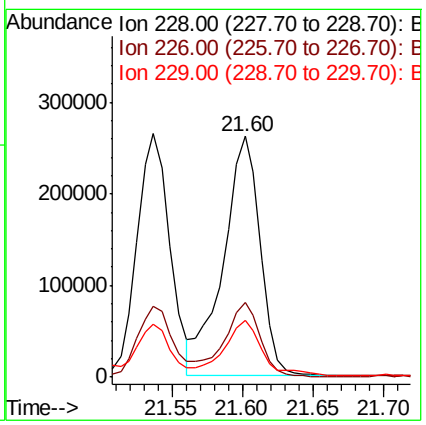
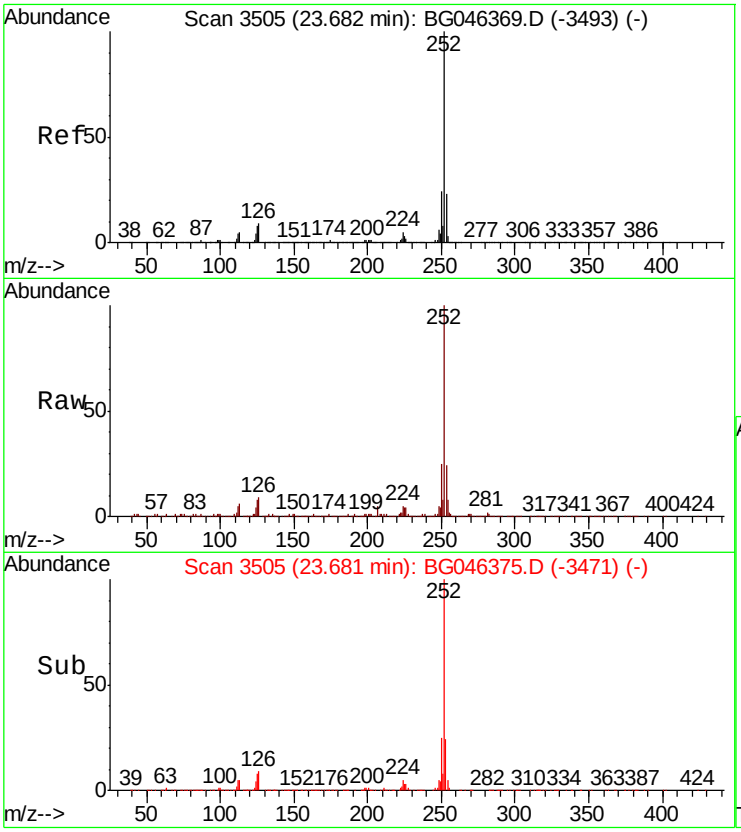


#22
Chrysene
Concen: 13.986 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:228 Resp: 475385

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	23.3	17.0	25.4

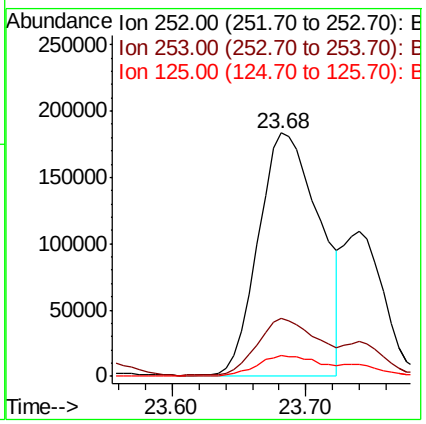




#24
Benzo(b)fluoranthene
Concen: 15.439 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:252 Resp: 584187

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	8.4	6.4	9.6



Instrument :
BNA_G
ClientSampleId :
BFMG5

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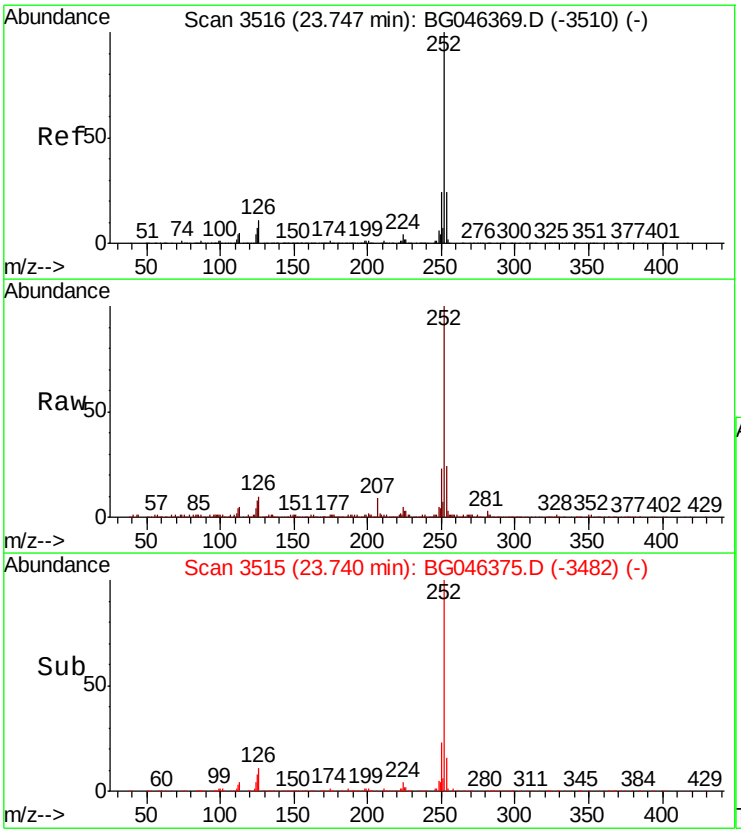
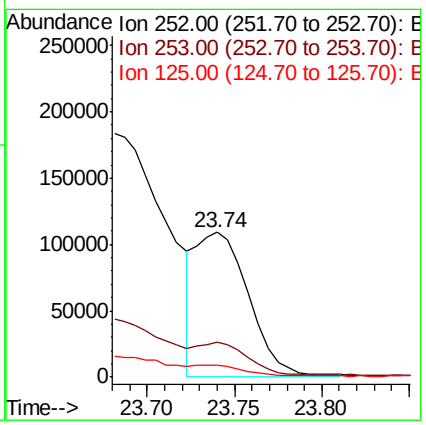
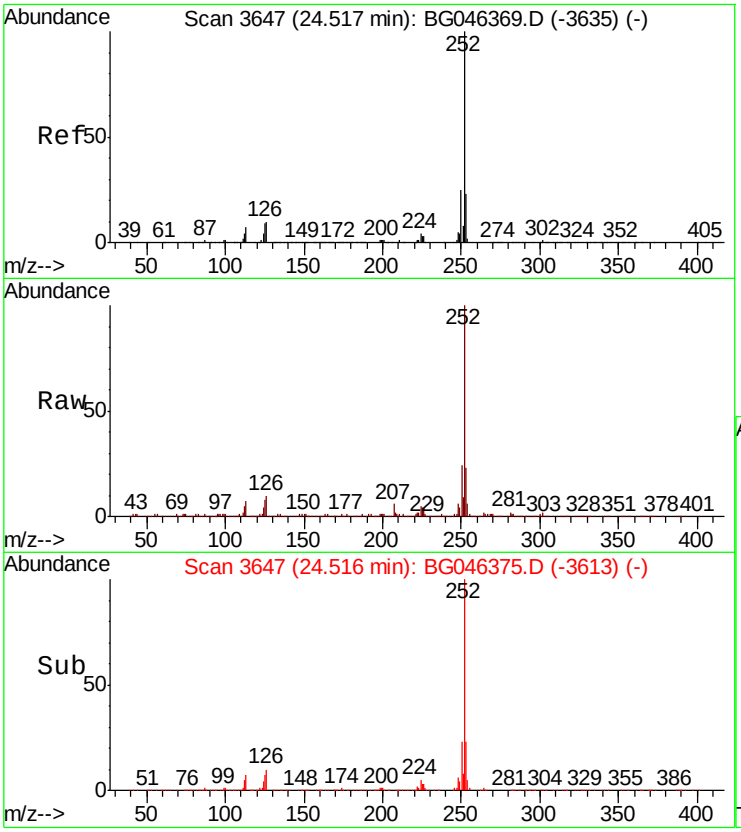


#25
Benzo(k)fluoranthene
Concen: 6.192 ng/ul m
RT: 23.74 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:252 Resp: 232402

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	8.3	6.2	9.2





#27
Benzo(a)pyrene
Concen: 11.394 ng/ul
RT: 24.52 min Scan# 3647
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:252 Resp: 395779

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	7.7	7.1	10.7

Instrument :
BNA_G
ClientSampleId :
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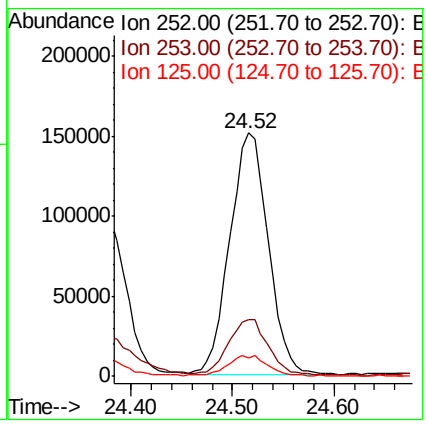
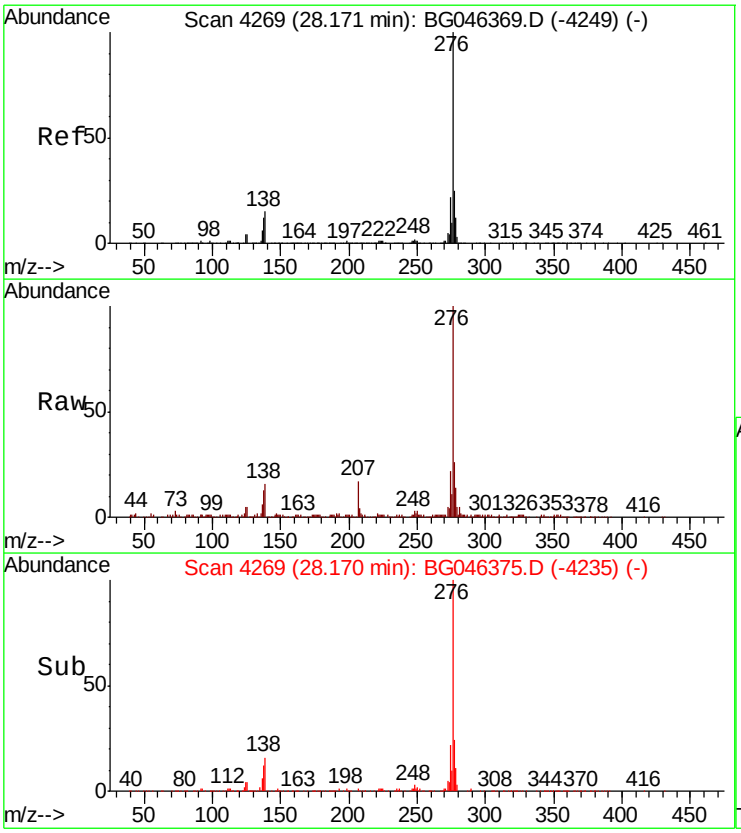
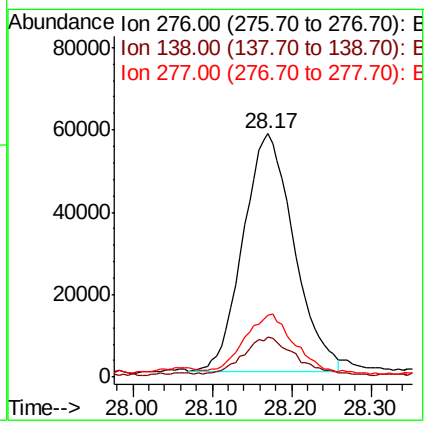


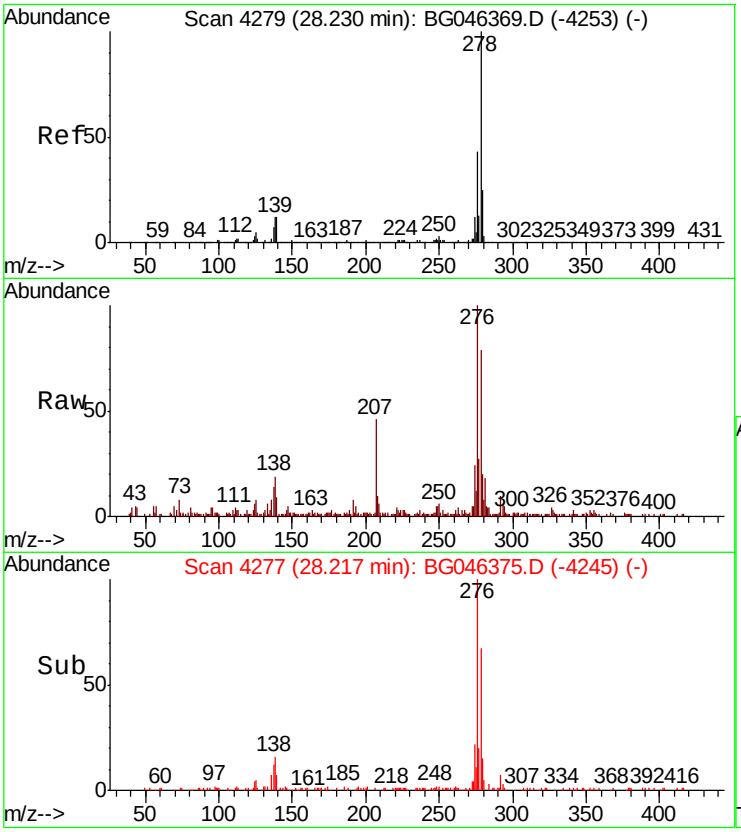


#28
Indeno(1,2,3-cd)pyrene
Concen: 5.880 ng/ul
RT: 28.17 min Scan# 4269
Delta R.T. -0.00 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:276 Resp: 255770

Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.2	19.8
277	25.6	19.9	29.9

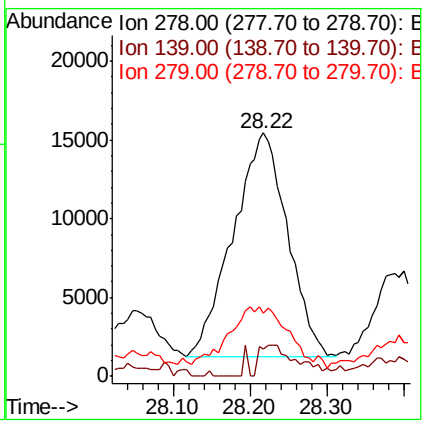




#29
Dibenzo(a,h)anthracene
Concen: 1.975 ng/ul
RT: 28.22 min Scan# 4277
Delta R.T. -0.01 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:278 Resp: 69634

Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.8	14.8
279	25.8	19.7	29.5



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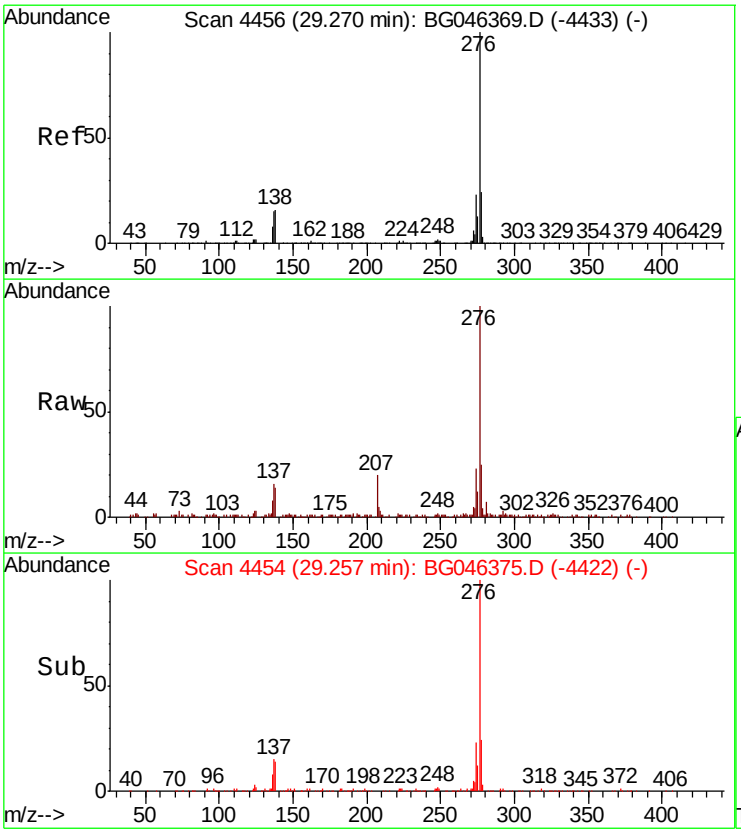

#30
Benzo(g,h,i)perylene
Concen: 6.200 ng/ul
RT: 29.26 min Scan# 4454
Delta R.T. -0.01 min
Lab File: BG046375.D
Acq: 20 Aug 2020 12:34

Tgt Ion:276 Resp: 225691

Ion	Ratio	Lower	Upper
276	100		
138	14.3	12.9	19.3
277	24.7	19.4	29.0