Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
Data File : BM006153.D
Acq On : 30 Jun 2016 10:45
Operator : UM/SJ
Sample : H3777-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YC2

Manual Integrations APPROVED
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Quant Time: Jun 30 15:18:25 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	200395	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	907235	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	530166	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1194918	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1158240	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	972163	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	8611	2.00	ng/uL	0.00
3) Phenol-d5	6.83	99	417327	25.49	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	292290	30.28	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	350173	27.87	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	267353	20.29	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	189247	30.97	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	207754	29.71	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	366628	28.73	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	359289	35.62	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1151382	30.30	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1469005	31.85	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	152871	21.20	ng/ul	0.00
21) Fluorene-d10	15.30	176	1014447	31.28	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	154822	36.58	ng/ul	0.00
26) Anthracene-d10	17.15	188	1553420	32.41	ng/ul	0.00
30) Pyrene-d10	19.45	212	1715021	36.77	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1231778	31.84	ng/ul	0.00
Target Compounds						Qvalue
11) Naphthalene	10.48	128	41325	1.04	ng/ul	98
13) 2-Methylnaphthalene	12.10	142	32620	1.08	ng/ul	94
18) Acenaphthylene	14.02	152	59708	1.24	ng/ul#	96
25) Phenanthrene	17.09	178	128340	2.27	ng/ul	99
28) Fluoranthene	19.12	202	369146	5.33	ng/ul	100
31) Pyrene	19.48	202	348318	5.70	ng/ul	98
32) Benzo(a)anthracene	21.23	228	225815	3.75	ng/ul	95
33) Chrysene	21.29	228	270023	4.87	ng/ul	98
35) Benzo(b)fluoranthene	22.80	252	448669	8.89	ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	107414m	2.27	ng/ul	
38) Benzo(a)pyrene	23.37	252	247814	5.20	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.67	276	190181	3.84	ng/ul	94
40) Dibenzo(a,h)anthracene	25.68	278	57617m	1.41	ng/ul	
41) Benzo(g,h,i)perylene	26.36	276	184197	4.44	ng/ul	96

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

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Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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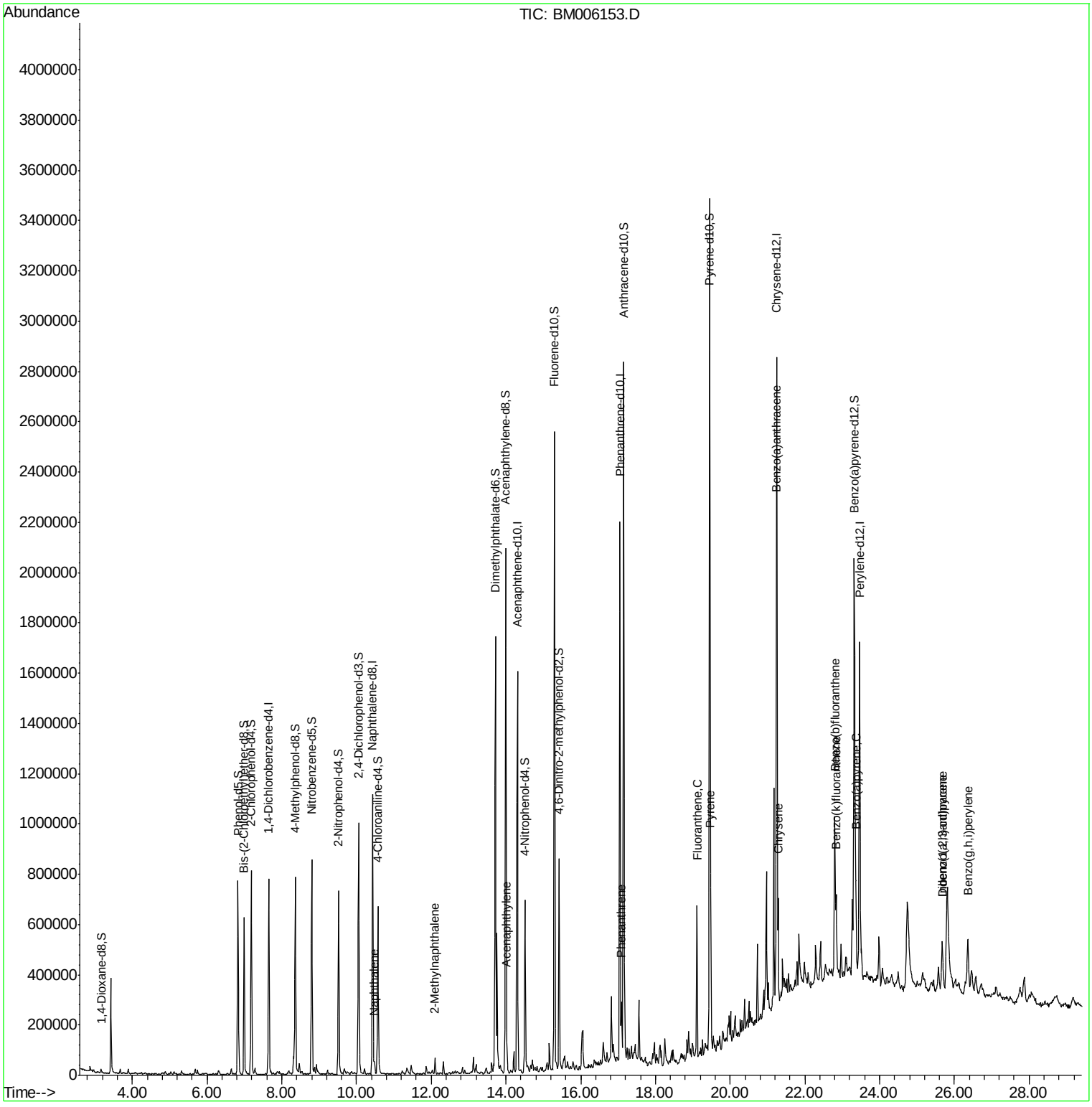

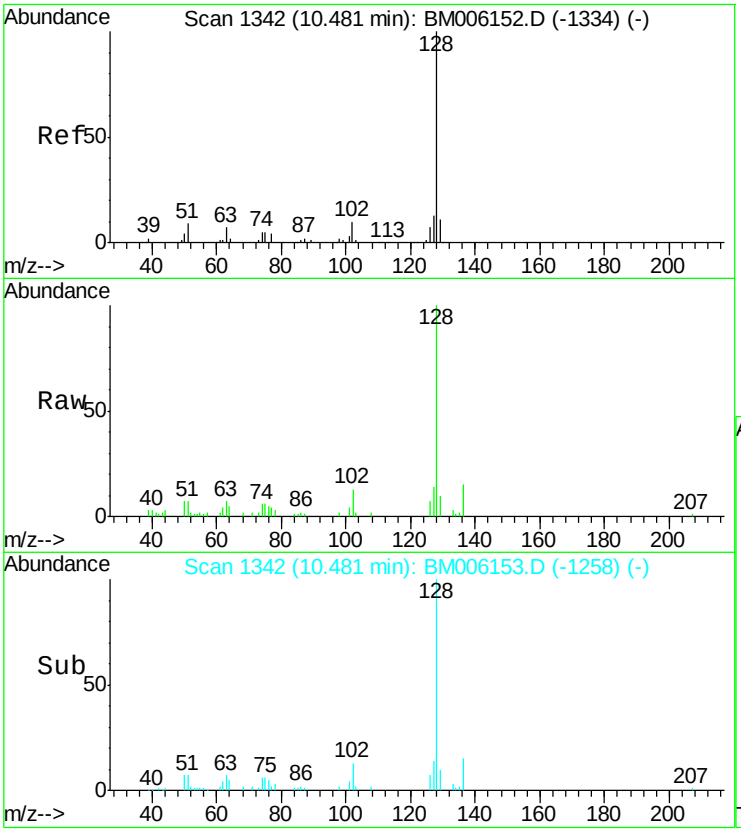

#11
Naphthalene
Concen: 1.04 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Instrument :
BNA_M
ClientSampleId :
D9YC2

Manual Integrations APPROVED
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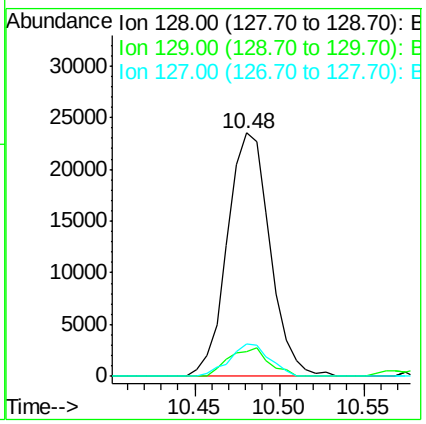
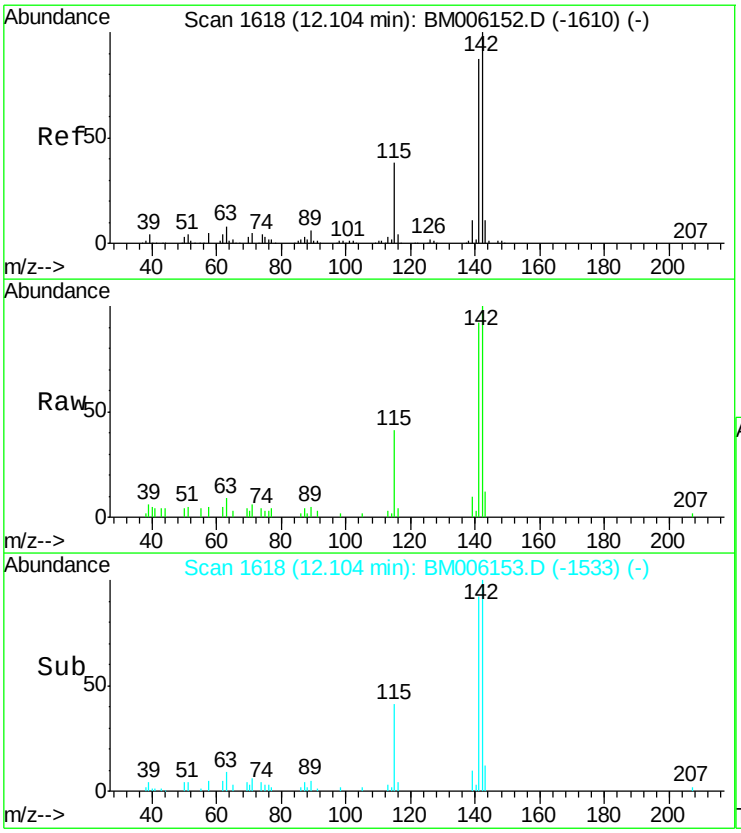
Tgt Ion:128 Resp: 41325

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.9	13.3
127	13.6	10.5	15.7

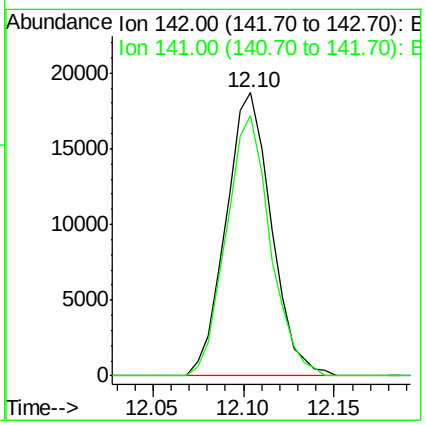


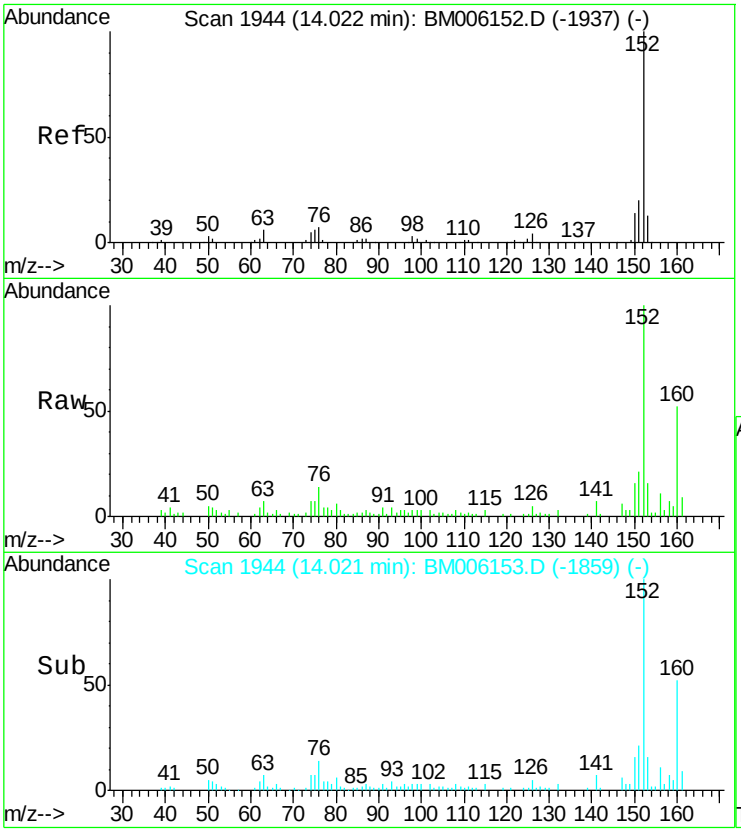


#13
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:142 Resp: 32620

Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.0	103.6

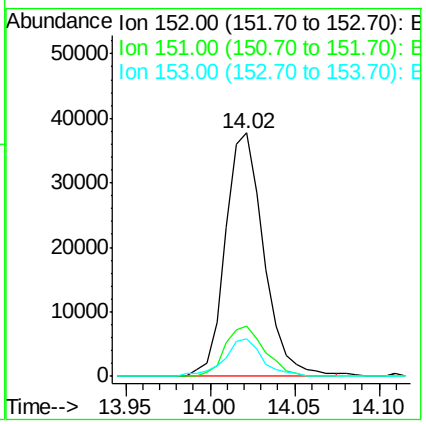




#18
Acenaphthylene
Concen: 1.24 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:152 Resp: 59708

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	15.6	10.3	15.5#



Instrument :
BNA_M
ClientSampleId :
D9YC2

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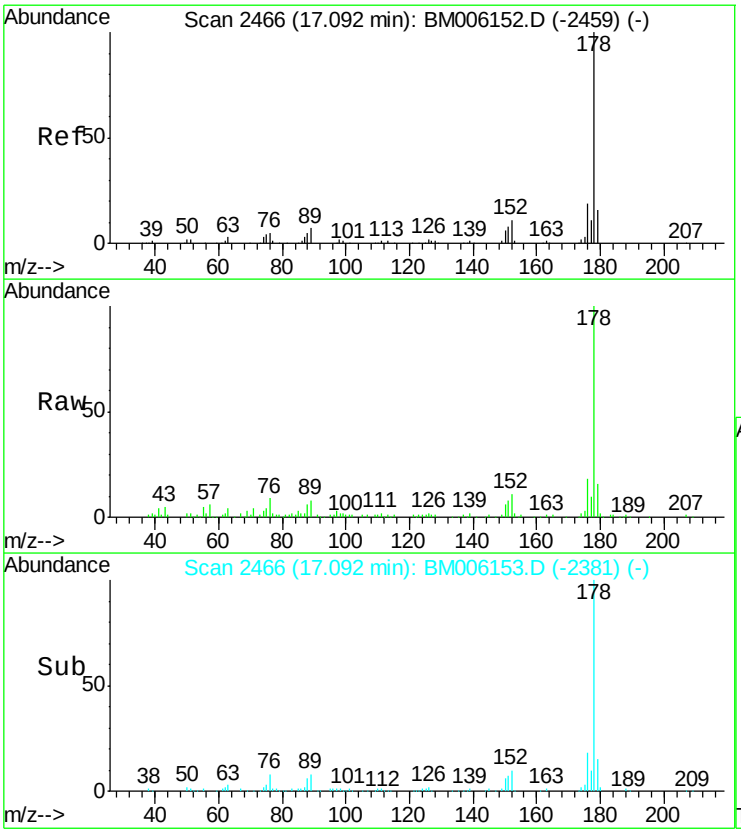
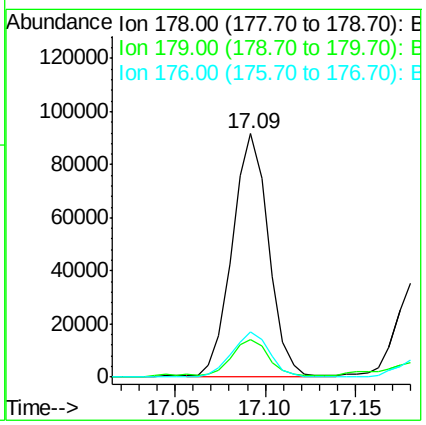
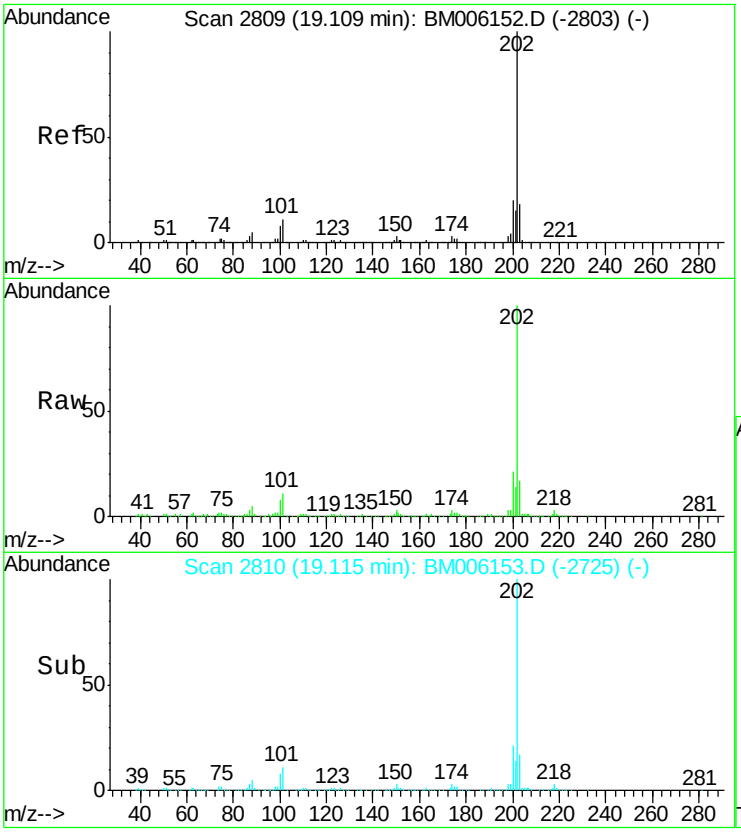


#25
Phenanthrene
Concen: 2.27 ng/ul
RT: 17.09 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:178 Resp: 128340

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	18.5	15.3	22.9

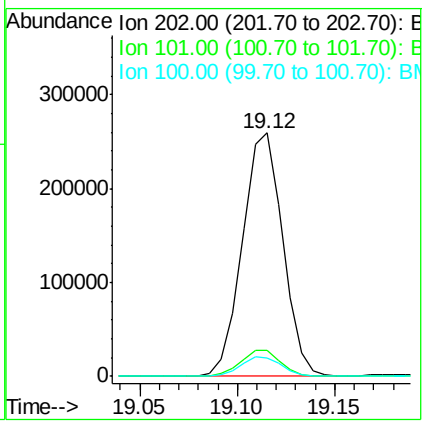




#28
Fluoranthene
Concen: 5.33 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:202 Resp: 369146

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.5	12.7
100	7.7	6.5	9.7



Instrument :
BNA_M
ClientSampleId :
D9YC2

Manual Integrations APPROVED
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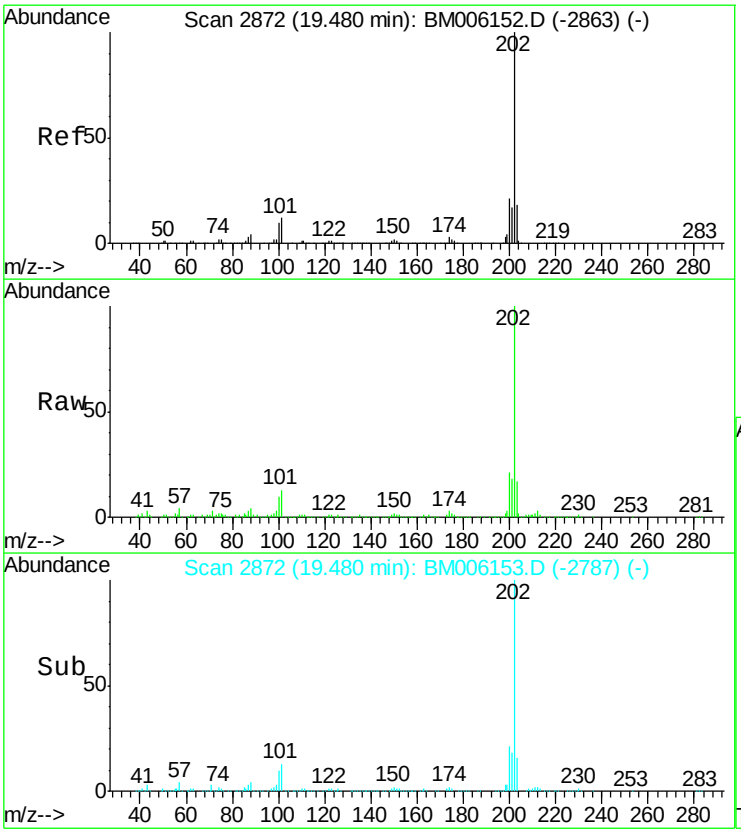
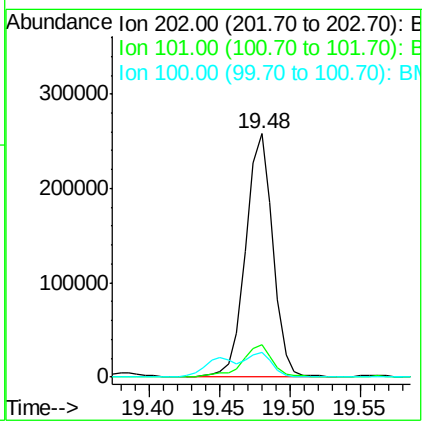
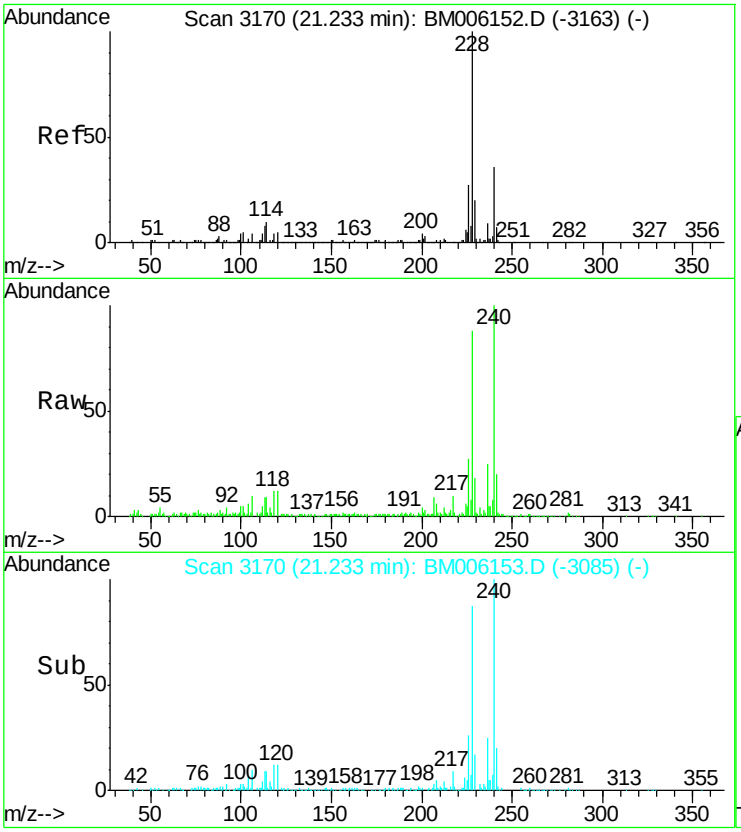


#31
Pyrene
Concen: 5.70 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:202 Resp: 348318

Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.0	16.4
100	9.9	8.9	13.3

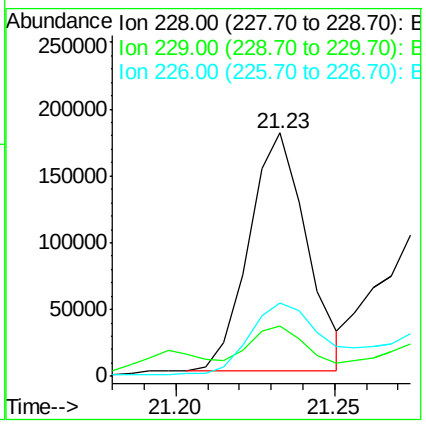




#32
Benzo(a)anthracene
Concen: 3.75 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:228 Resp: 225815

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.6	23.4
226	30.2	21.6	32.4



Instrument :
BNA_M
ClientSampleId :
D9YC2

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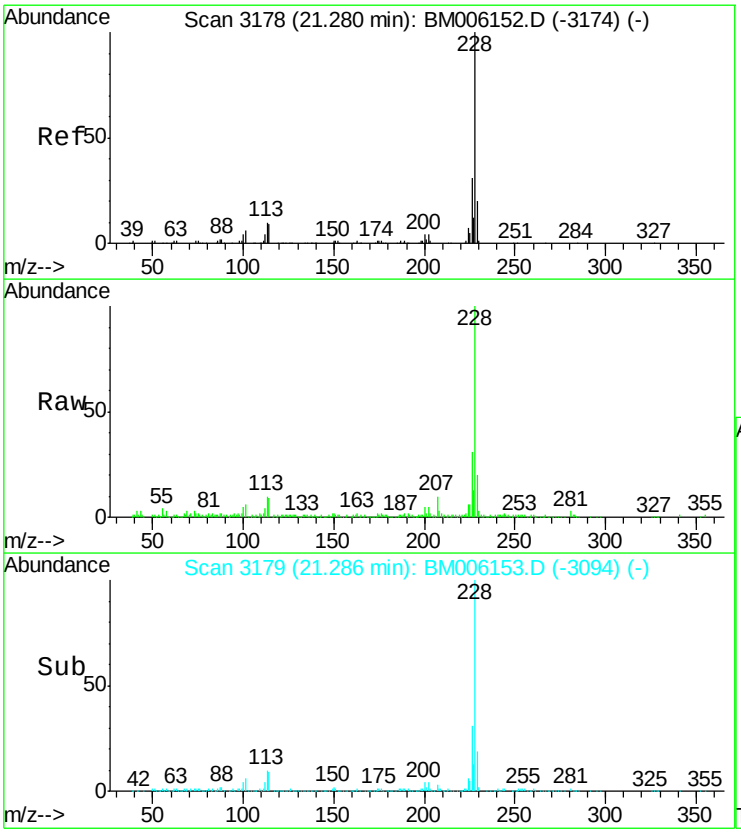
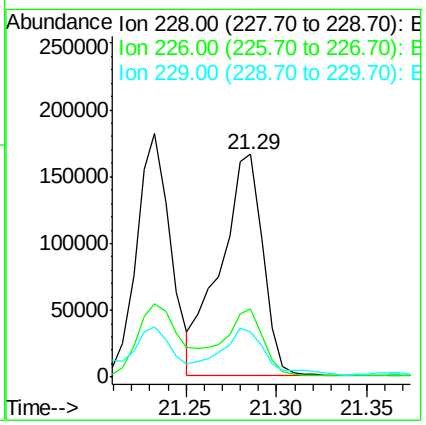
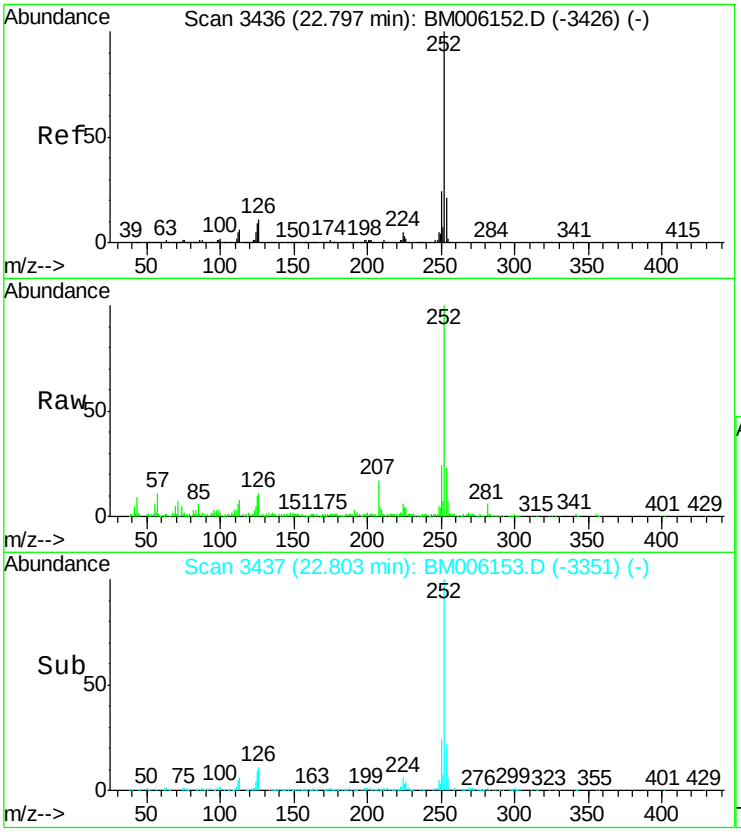


#33
Chrysene
Concen: 4.87 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:228 Resp: 270023

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	20.1	15.8	23.6

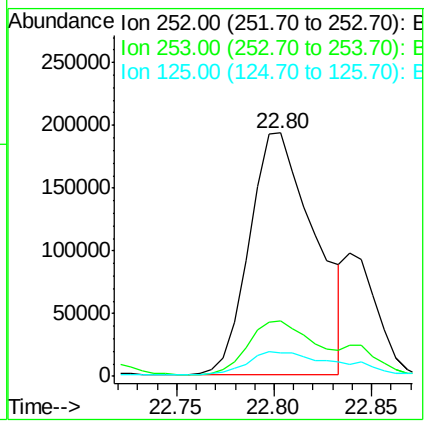




#35
Benzo(b)fluoranthene
Concen: 8.89 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. 0.01 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:252 Resp: 448669

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	9.9	7.8	11.6



Instrument :
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ClientSampleId :
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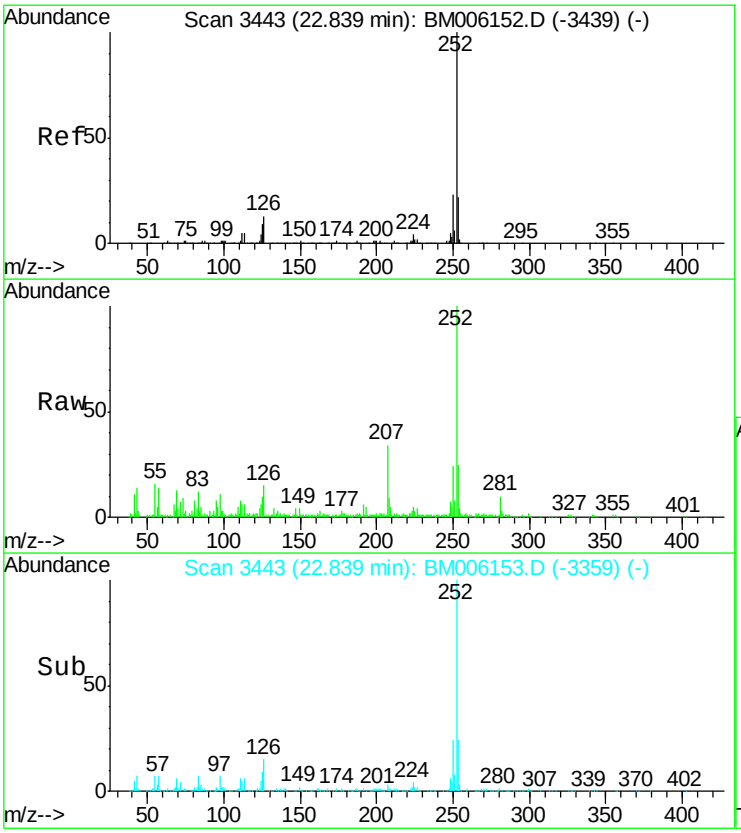
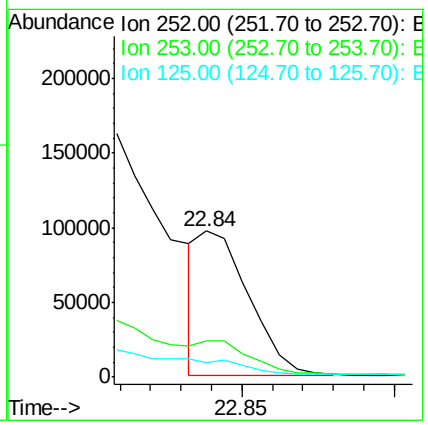
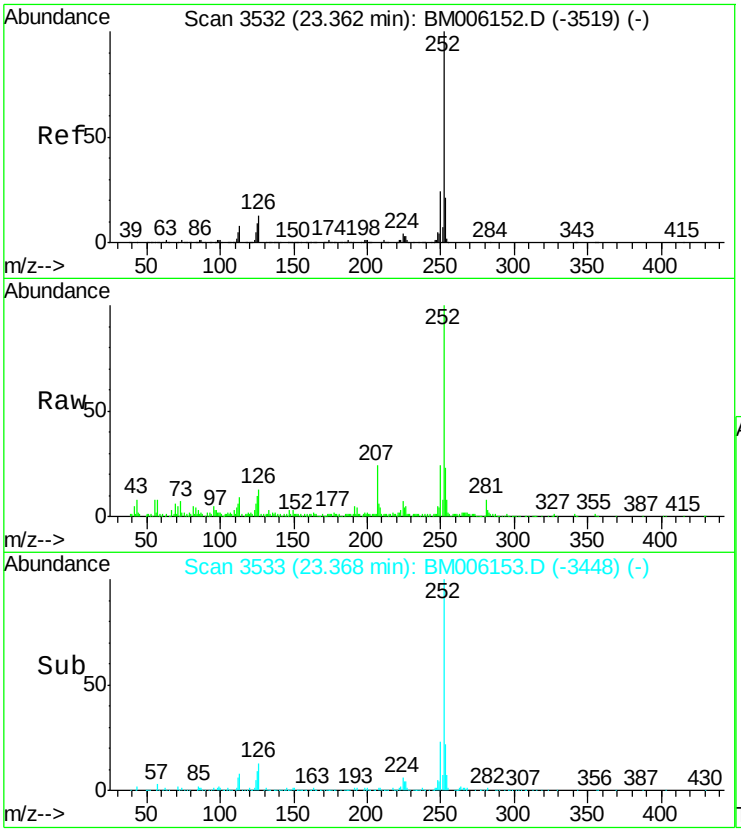


#36
Benzo(k)fluoranthene
Concen: 2.27 ng/ul m
RT: 22.84 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:252 Resp: 107414

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	10.1	8.1	12.1

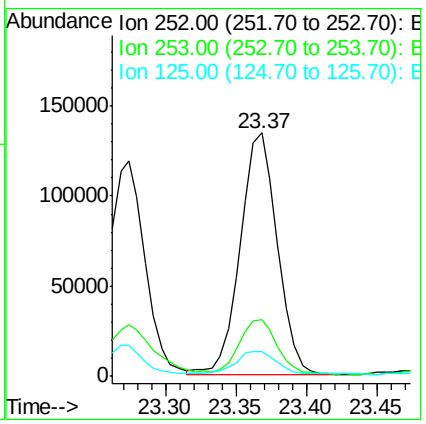




#38
Benzo(a)pyrene
Concen: 5.20 ng/ul
RT: 23.37 min Scan# 3533
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:252 Resp: 247814

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	10.1	8.7	13.1



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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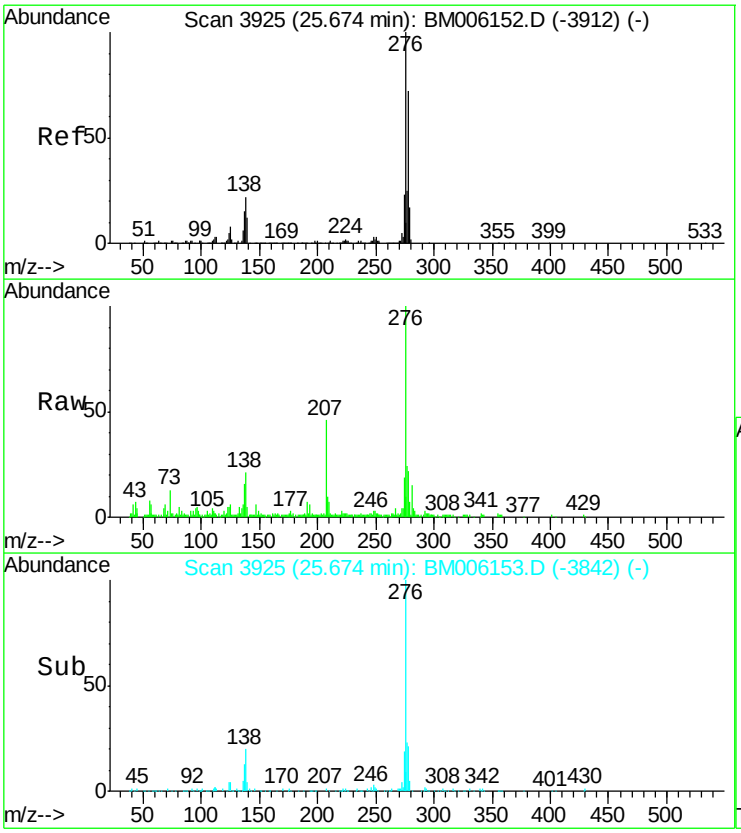
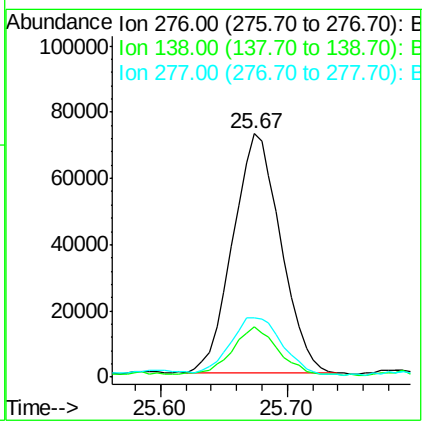
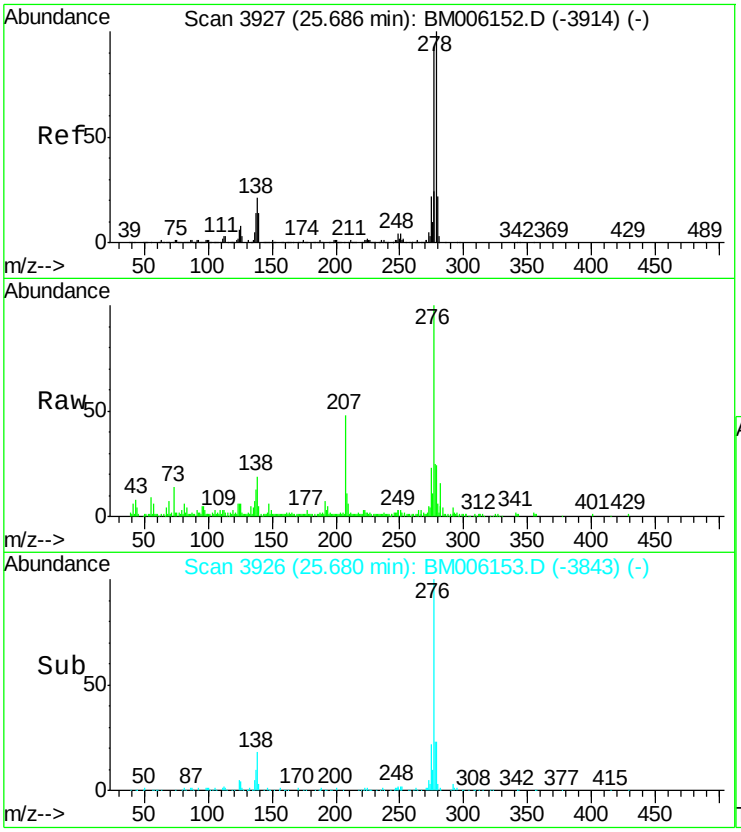


#39
Indeno(1,2,3-cd)pyrene
Concen: 3.84 ng/ul
RT: 25.67 min Scan# 3925
Delta R.T. -0.01 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:276 Resp: 190181

Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.4	30.6
277	24.3	20.6	30.8

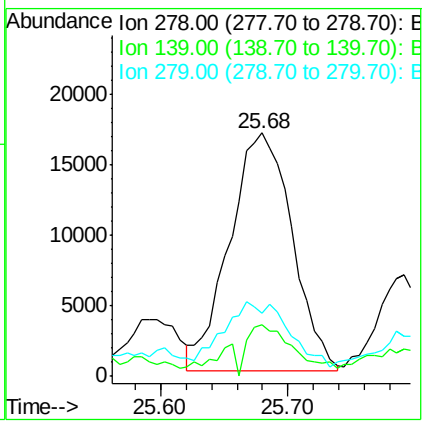




#40
Dibenzo(a,h)anthracene
Concen: 1.41 ng/ul m
RT: 25.68 min Scan# 3926
Delta R.T. -0.01 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:278 Resp: 57617

Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.0	19.4#
279	25.8	18.8	28.2



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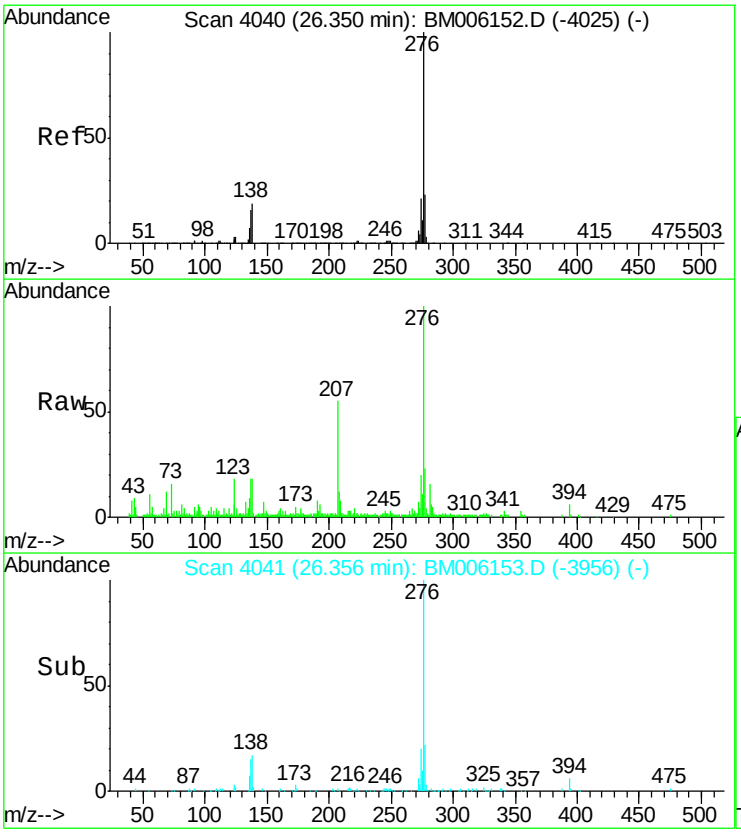

#41
Benzo(g,h,i)perylene
Concen: 4.44 ng/ul
RT: 26.36 min Scan# 4041
Delta R.T. 0.00 min
Lab File: BM006153.D
Acq: 30 Jun 2016 10:45

Tgt Ion:276 Resp: 184197

Ion	Ratio	Lower	Upper
276	100		
138	17.6	16.6	25.0
277	22.9	18.9	28.3