Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
Data File : BM006166.D
Acq On : 30 Jun 2016 20:24
Operator : UM/SJ
Sample : H3780-04MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YF4MS

Manual Integrations APPROVED
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7/1/2016 7:15:33 PM

Quant Time: Jul 01 01:18:12 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	226023	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	901305	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	460862	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	964703	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1023930	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1145407	20.00	ng/ul	0.02
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	8656	1.78	ng/uL	0.00
3) Phenol-d5	6.83	99	343181	18.59	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	211223	19.40	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	269385	19.01	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	258697	17.41	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	126728	20.88	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	139424	20.07	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	239689	18.91	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	205459	20.50	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	664175	20.10	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	855039	21.33	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	126280	20.15	ng/ul	0.01
21) Fluorene-d10	15.30	176	575461	20.41	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	82707	24.21	ng/ul	0.01
26) Anthracene-d10	17.16	188	874021	22.58	ng/ul	0.00
30) Pyrene-d10	19.46	212	947783	22.99	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.34	264	1031365	22.63	ng/ul	0.02
Target Compounds						Qvalue
18) Acenaphthylene	14.03	152	60678	1.45	ng/ul	97
19) Acenaphthene	14.37	153	520667	19.44	ng/ul	99
25) Phenanthrene	17.10	178	579867	12.70	ng/ul	99
27) Anthracene	17.19	178	144144	3.07	ng/ul	99
28) Fluoranthene	19.12	202	1590009	28.44	ng/ul	99
31) Pyrene	19.49	202	2230731	41.30	ng/ul	96
32) Benzo(a)anthracene	21.24	228	766090	14.39	ng/ul	97
33) Chrysene	21.29	228	796900	16.26	ng/ul	97
35) Benzo(b)fluoranthene	22.81	252	1278098	21.50	ng/ul	97
36) Benzo(k)fluoranthene	22.85	252	346100m	6.21	ng/ul	
38) Benzo(a)pyrene	23.38	252	788891	14.05	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.70	276	639389	10.95	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.71	278	165885	3.43	ng/ul#	82
41) Benzo(g,h,i)perylene	26.39	276	597048	12.22	ng/ul	97

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

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Instrument :
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Manual Integrations APPROVED
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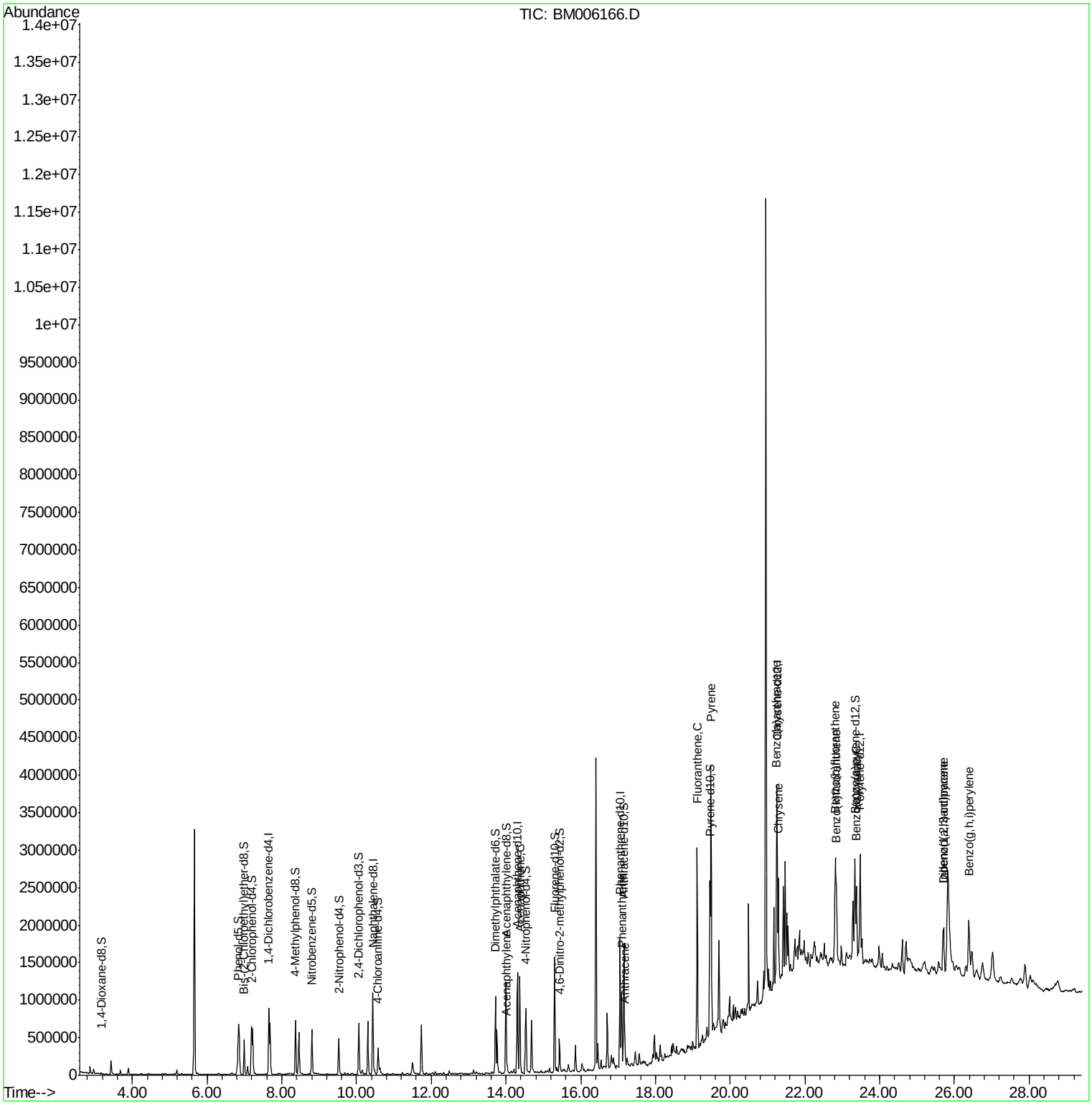
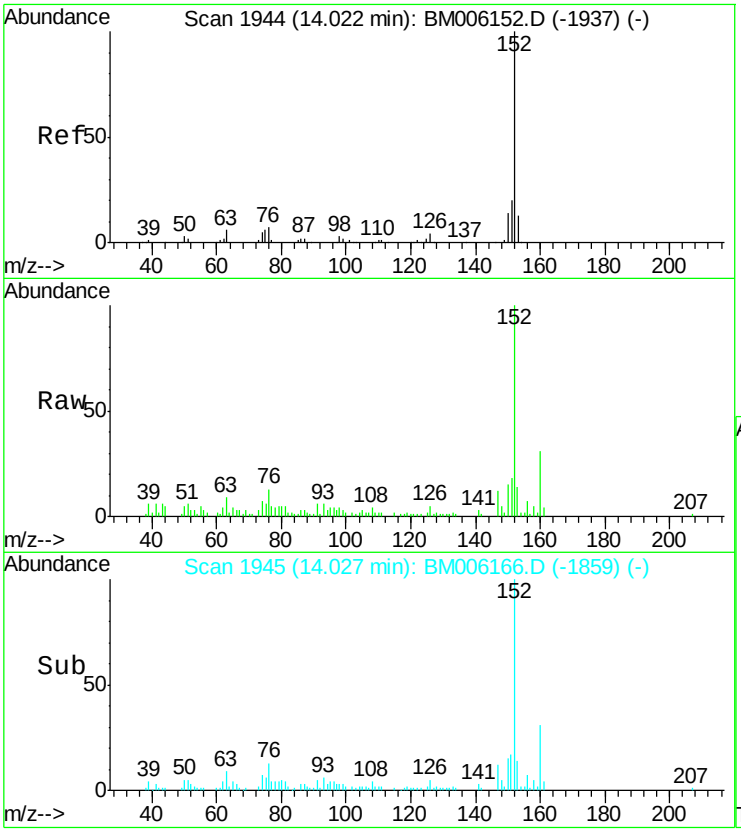
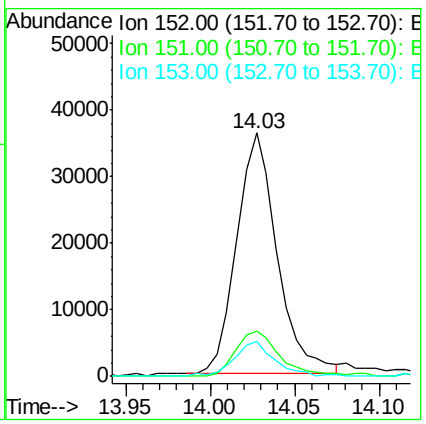




#18
Acenaphthylene
Concen: 1.45 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:152 Resp: 60678

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.8	23.6
153	14.5	10.3	15.5



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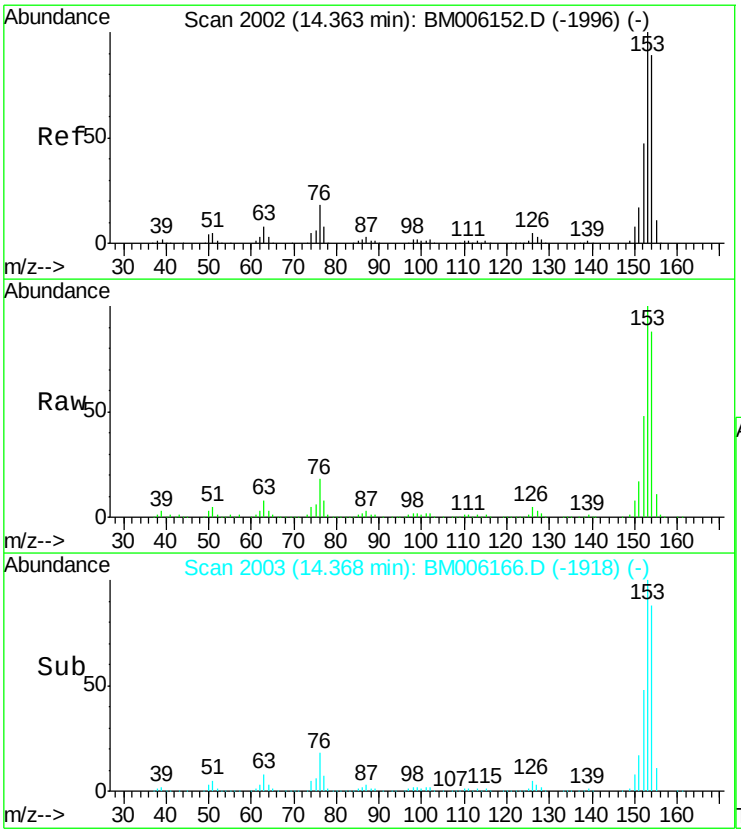
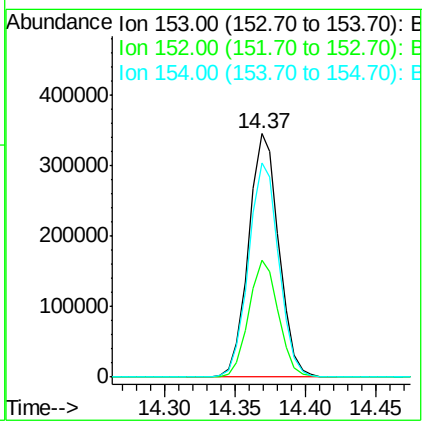
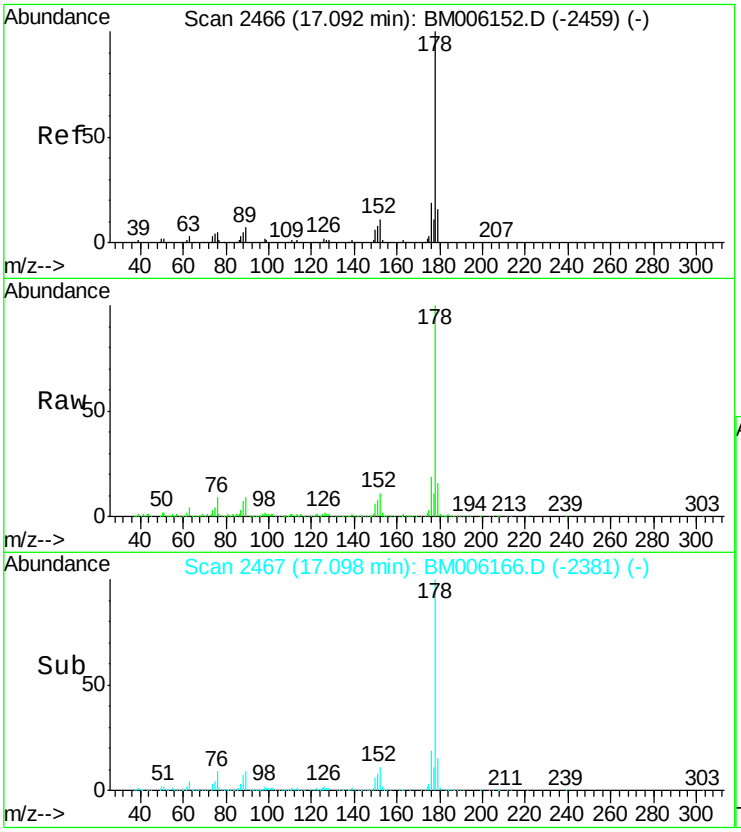


#19
Acenaphthene
Concen: 19.44 ng/ul
RT: 14.37 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:153 Resp: 520667

Ion	Ratio	Lower	Upper
153	100		
152	48.0	38.1	57.1
154	87.9	71.6	107.4

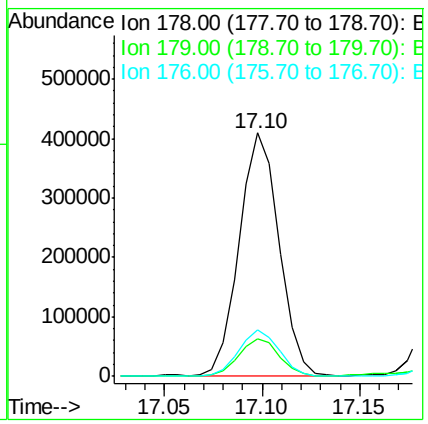




#25
Phenanthrene
Concen: 12.70 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:178 Resp: 579867

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	18.9	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
D9YF4MS

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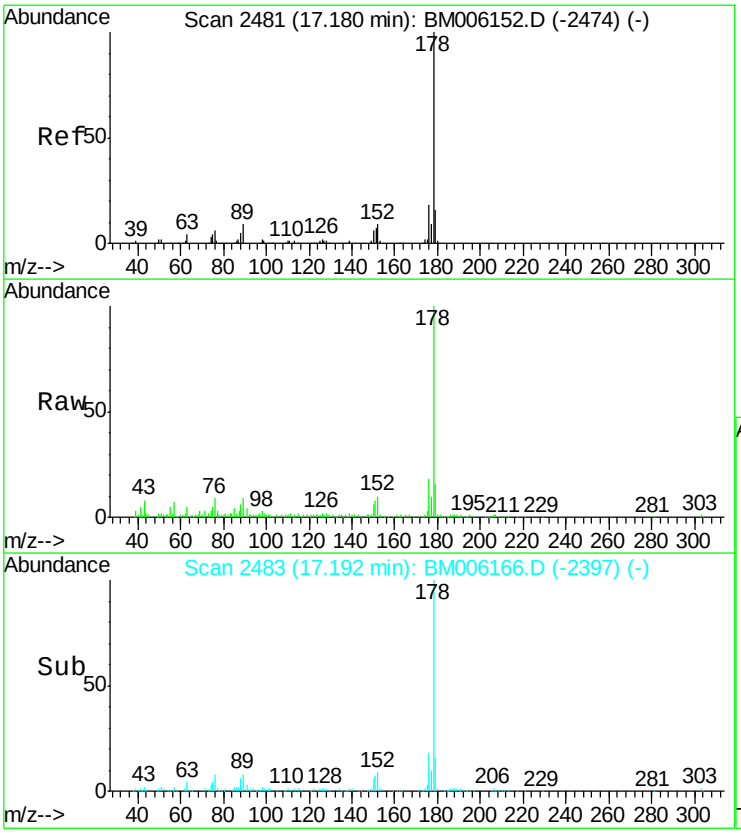
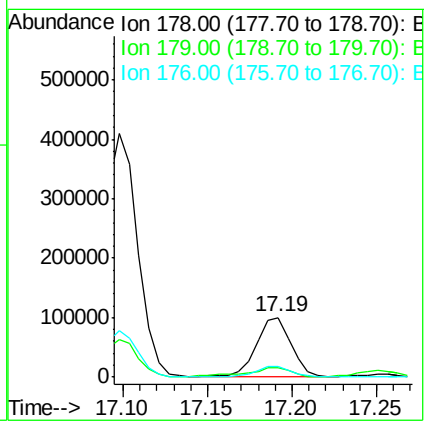
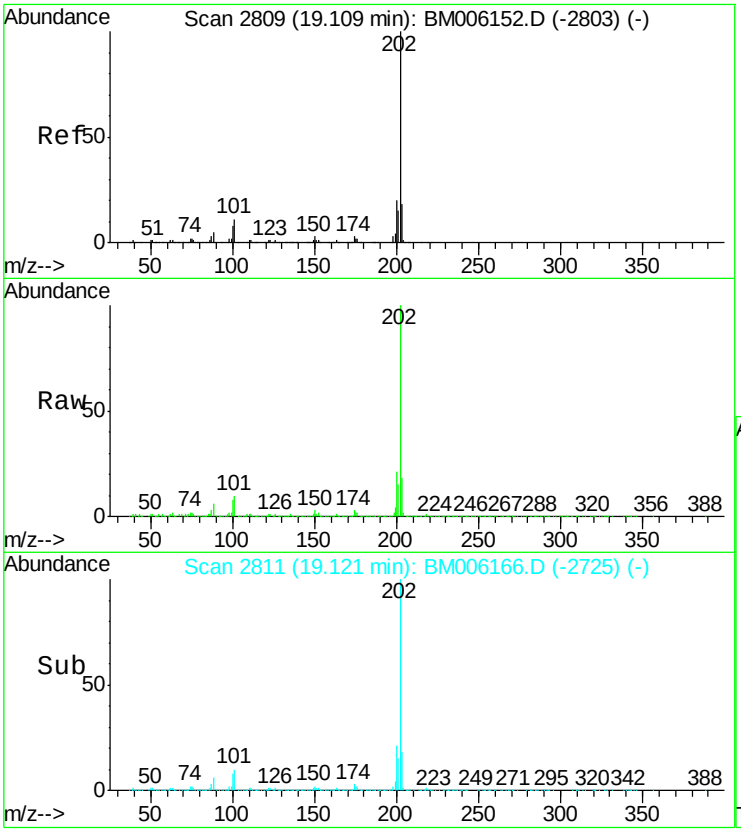


#27
Anthracene
Concen: 3.07 ng/ul
RT: 17.19 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:178 Resp: 144144

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	18.3	14.6	22.0

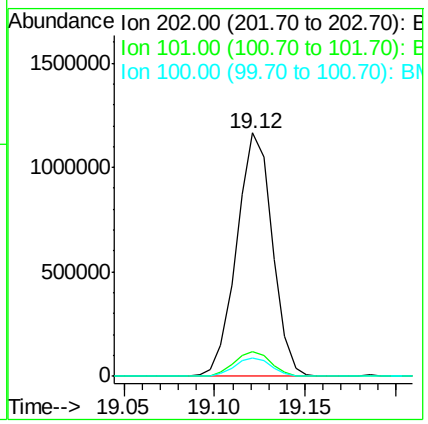




#28
Fluoranthene
Concen: 28.44 ng/ul
RT: 19.12 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:202 Resp: 1590009

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.5	12.7
100	7.7	6.5	9.7



Instrument :
BNA_M
ClientSampleId :
D9YF4MS

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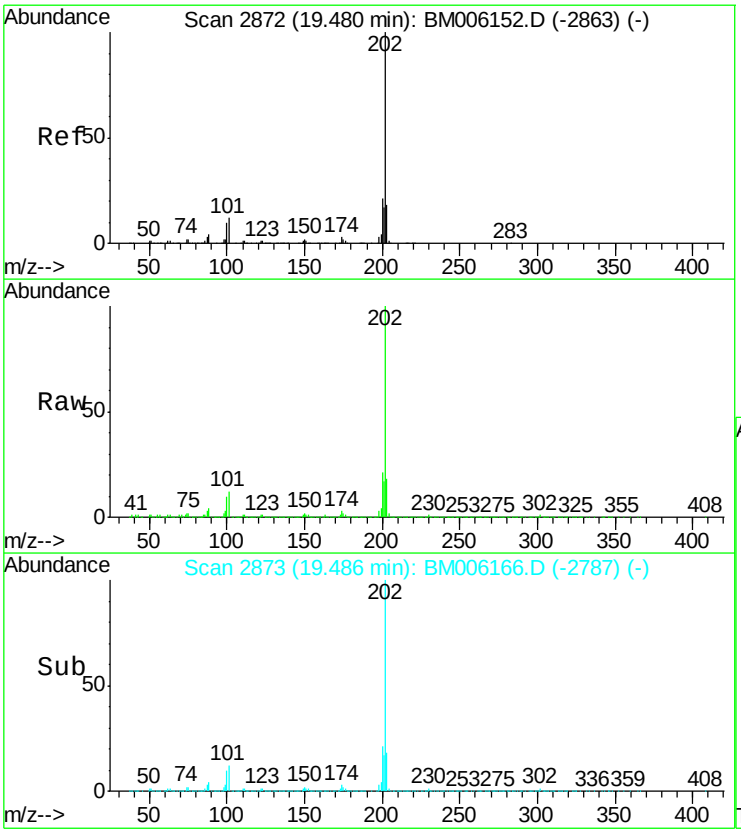
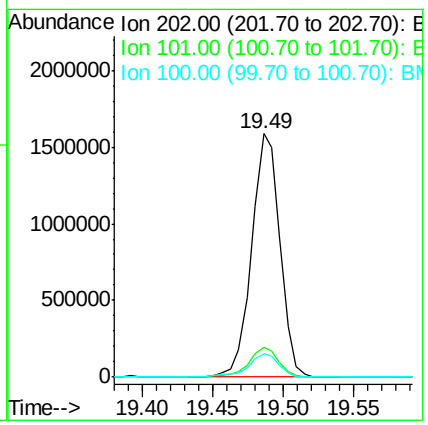
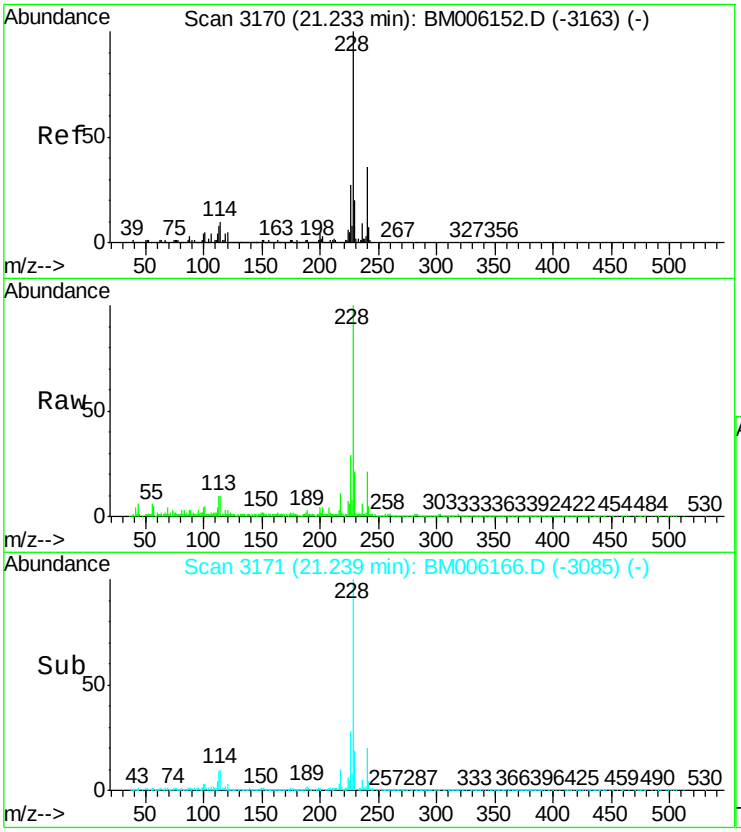


#31
Pyrene
Concen: 41.30 ng/ul
RT: 19.49 min Scan# 2873
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:202 Resp: 2230731

Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.0	16.4
100	9.9	8.9	13.3

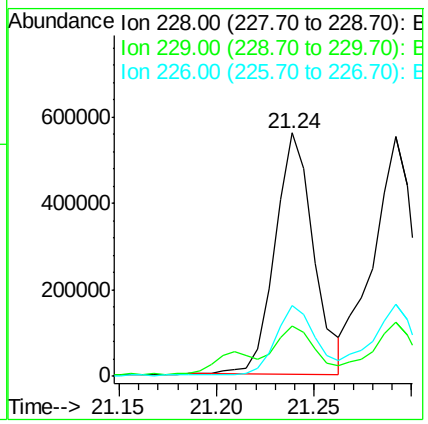




#32
Benzo(a)anthracene
Concen: 14.39 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:228 Resp: 766090

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.6	23.4
226	28.9	21.6	32.4



Instrument :
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ClientSampleId :
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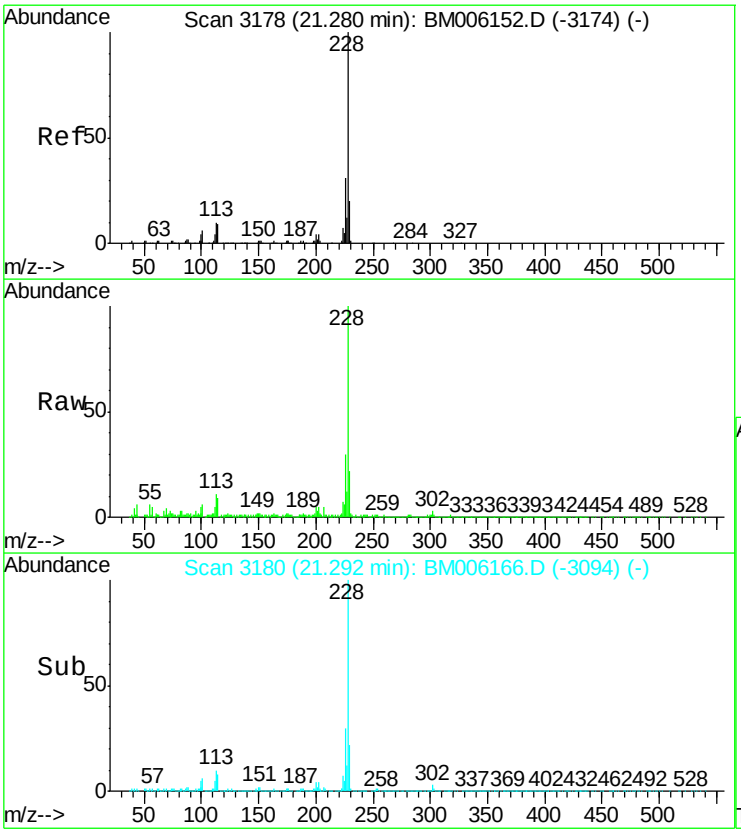
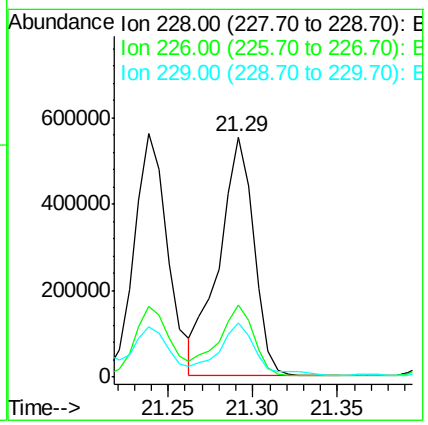
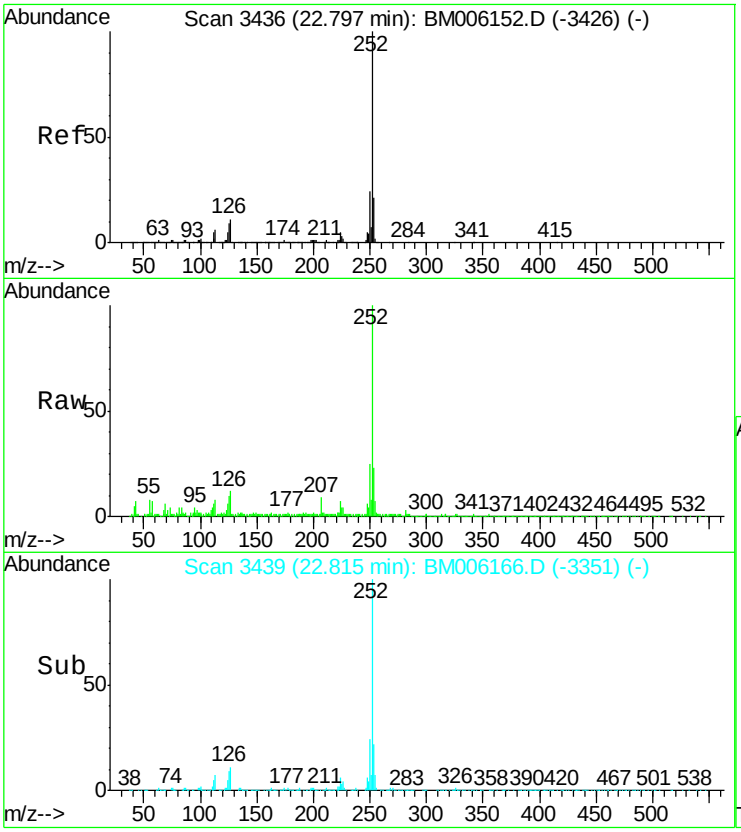


#33
Chrysene
Concen: 16.26 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:228 Resp: 796900

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	22.4	15.8	23.6

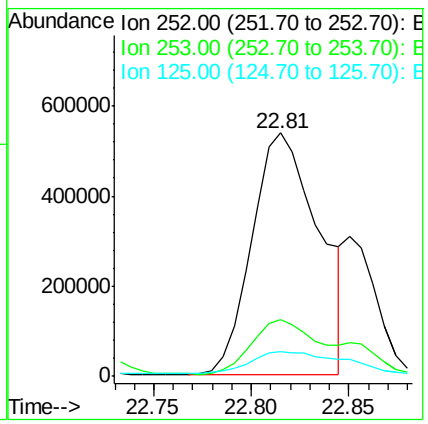




#35
Benzo(b)fluoranthene
Concen: 21.50 ng/ul
RT: 22.81 min Scan# 3439
Delta R.T. 0.02 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:252 Resp: 1278098

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.1	7.8	11.6



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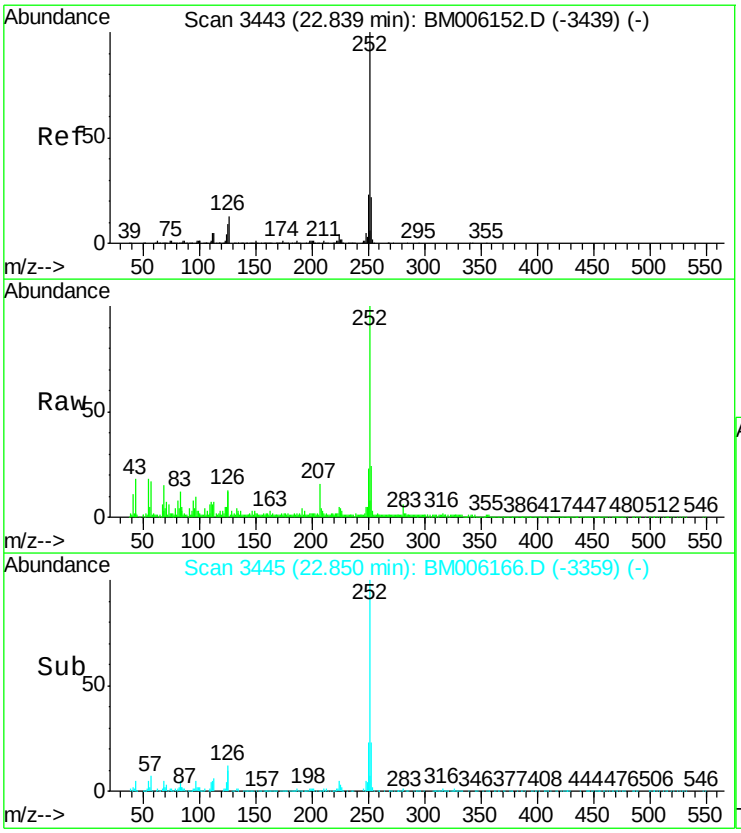
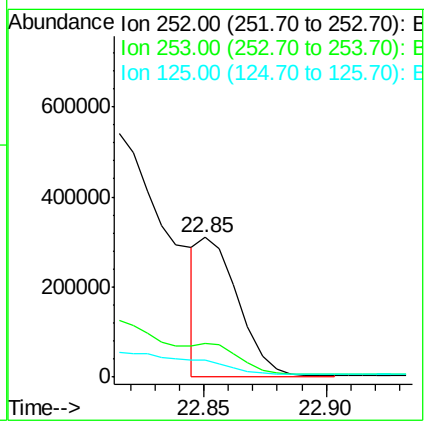
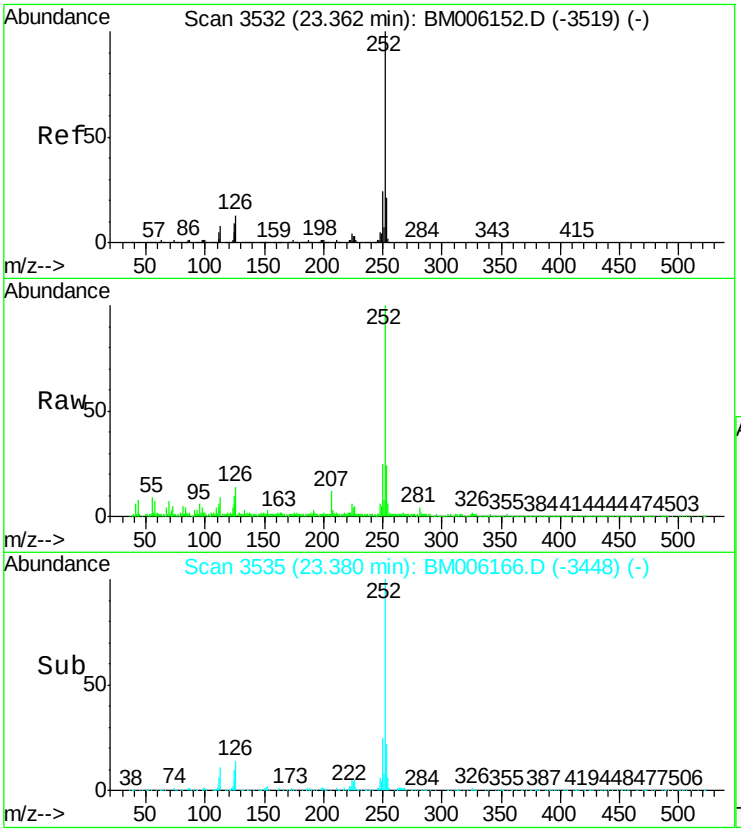


#36
Benzo(k)fluoranthene
Concen: 6.21 ng/ul m
RT: 22.85 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:252 Resp: 346100

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	12.1	8.1	12.1

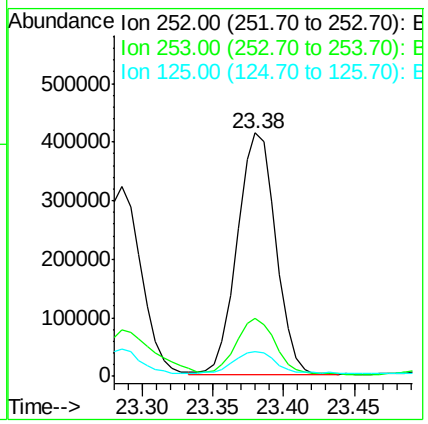




#38
Benzo(a)pyrene
Concen: 14.05 ng/ul
RT: 23.38 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:252 Resp: 788891

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	10.4	8.7	13.1



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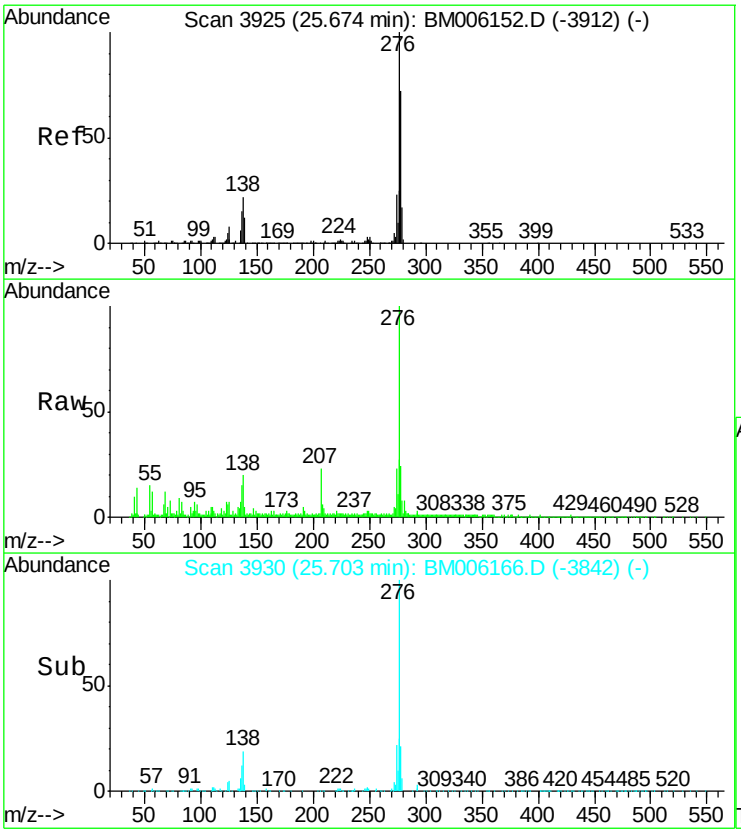
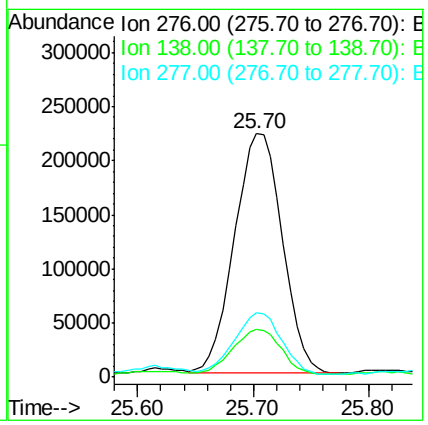
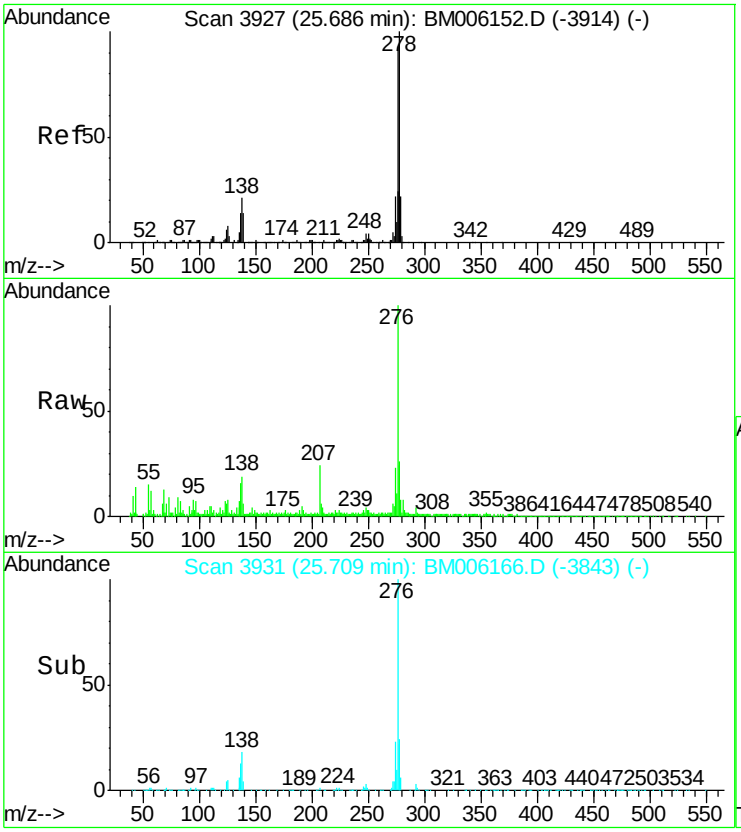


#39
Indeno(1,2,3-cd)pyrene
Concen: 10.95 ng/ul
RT: 25.70 min Scan# 3930
Delta R.T. 0.02 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:276 Resp: 639389

Ion	Ratio	Lower	Upper
276	100		
138	19.6	20.4	30.6#
277	26.5	20.6	30.8





#40
Dibenzo(a,h)anthracene
Concen: 3.43 ng/ul
RT: 25.71 min Scan# 3931
Delta R.T. 0.02 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:278 Resp: 165885

Ion	Ratio	Lower	Upper
278	100		
139	22.8	13.0	19.4#
279	33.0	18.8	28.2#

Instrument :
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ClientSampleId :
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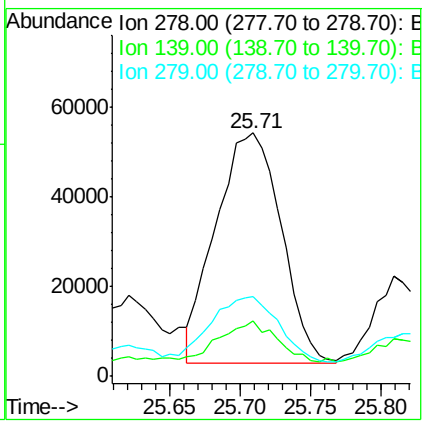

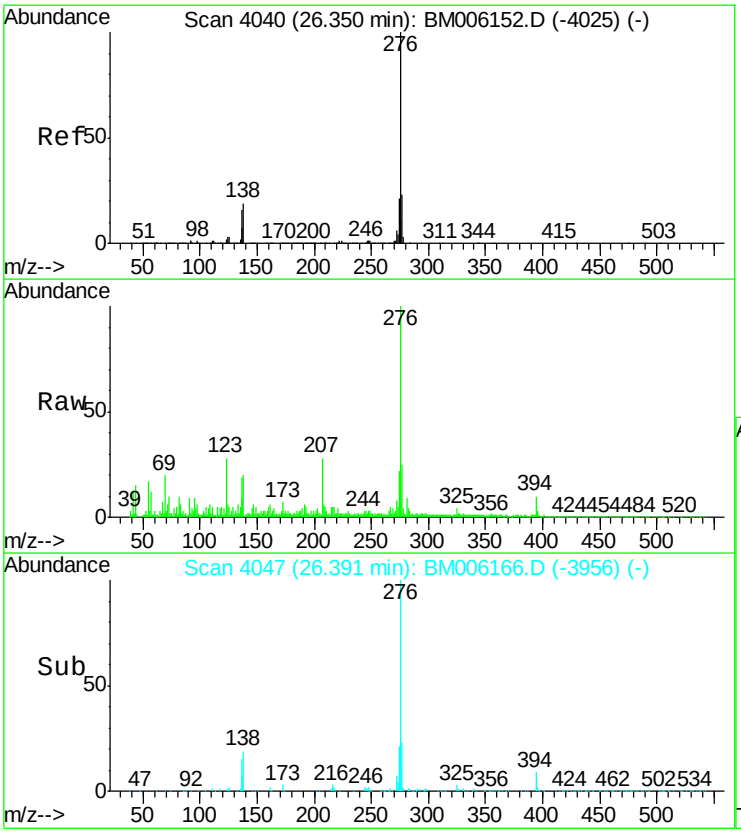

#41
Benzo(g,h,i)perylene
Concen: 12.22 ng/ul
RT: 26.39 min Scan# 4047
Delta R.T. 0.04 min
Lab File: BM006166.D
Acq: 30 Jun 2016 20:24

Tgt Ion:276 Resp: 597048

Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.6	25.0
277	25.3	18.9	28.3