Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
Data File : BM006154.D
Acq On : 30 Jun 2016 11:22
Operator : UM/SJ
Sample : H3777-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YC3

Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

Quant Time: Jun 30 15:23:12 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	202315	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	967661	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	562383	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1276306	20.00	ng/ul	0.00
29) Chrysene-d12	21.24	240	1213280	20.00	ng/ul	0.00
34) Perylene-d12	23.46	264	1039170	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	7648	1.76	ng/uL	0.00
3) Phenol-d5	6.82	99	353703	21.40	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	244372	25.08	ng/ul	0.00
5) 2-Chlorophenol-d4	7.18	132	296373	23.36	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	258050	19.40	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	155016	23.78	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	171123	22.94	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	305615	22.45	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	251232	23.35	ng/ul	0.00
16) Dimethylphthalate-d6	13.71	166	936400	23.23	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1214727	24.83	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	85674	11.20	ng/ul	0.00
21) Fluorene-d10	15.30	176	828416	24.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	107929	23.88	ng/ul	0.00
26) Anthracene-d10	17.14	188	1265747	24.72	ng/ul	0.00
30) Pyrene-d10	19.45	212	1386540	28.38	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.32	264	1000363	24.19	ng/ul	0.00
Target Compounds						Qvalue
11) Naphthalene	10.48	128	80470	1.90	ng/ul	98
13) 2-Methylnaphthalene	12.10	142	72883	2.26	ng/ul	98
14) 1-Methylnaphthalene	12.32	142	55970m	1.83	ng/ul	
18) Acenaphthylene	14.02	152	94820	1.85	ng/ul	99
25) Phenanthrene	17.09	178	241845	4.00	ng/ul	99
27) Anthracene	17.18	178	108828	1.75	ng/ul	98
28) Fluoranthene	19.12	202	593820	8.03	ng/ul	99
31) Pyrene	19.48	202	575324	8.99	ng/ul	96
32) Benzo(a)anthracene	21.23	228	409379	6.49	ng/ul	92
33) Chrysene	21.29	228	469667	8.09	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	897124	16.63	ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	201844m	3.99	ng/ul	
38) Benzo(a)pyrene	23.37	252	472273	9.27	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.68	276	377040	7.12	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.69	278	108042	2.47	ng/ul#	85
41) Benzo(g,h,i)perylene	26.36	276	360108	8.12	ng/ul	98

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

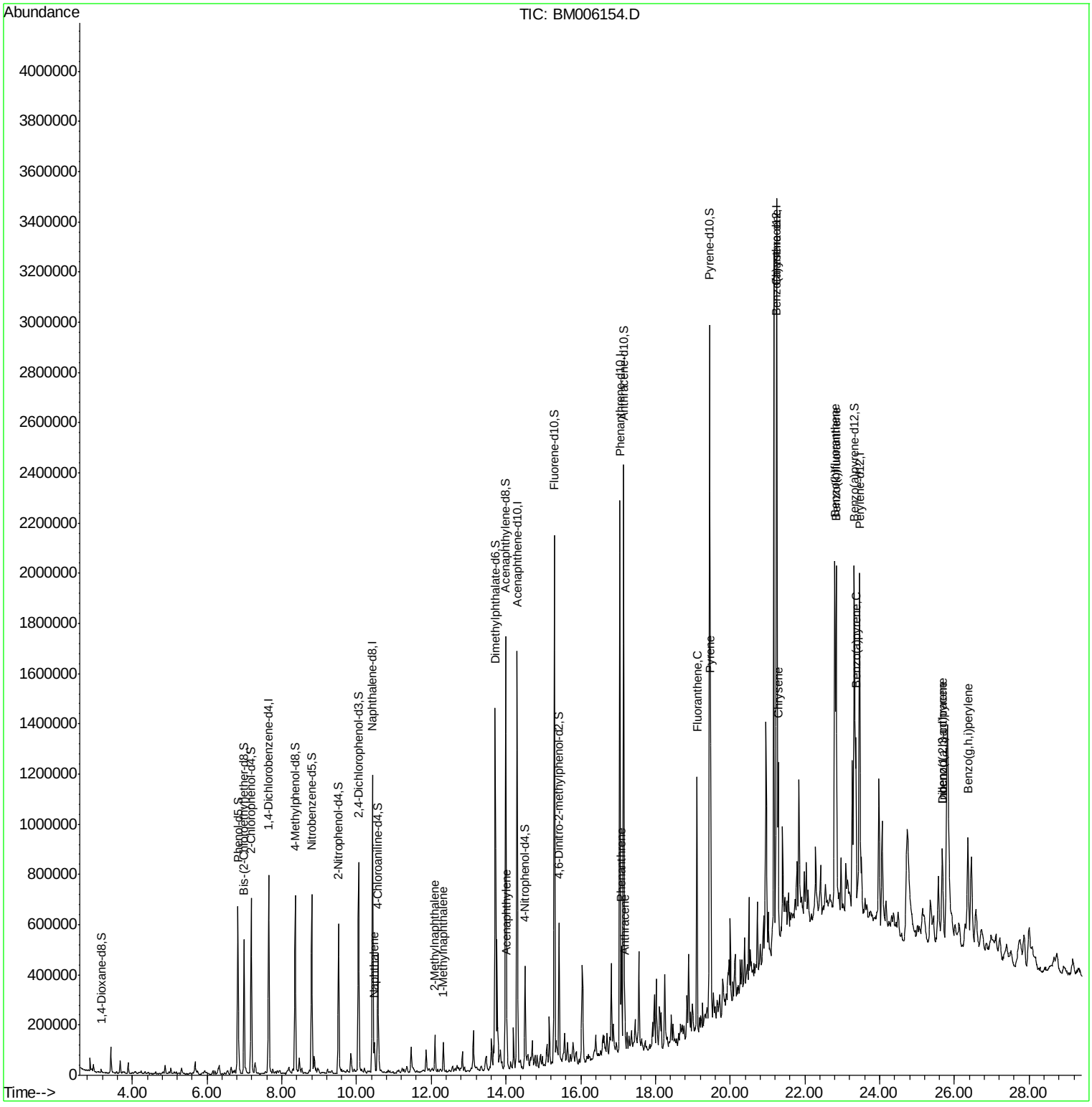
Quantitation Report (QT Reviewed)

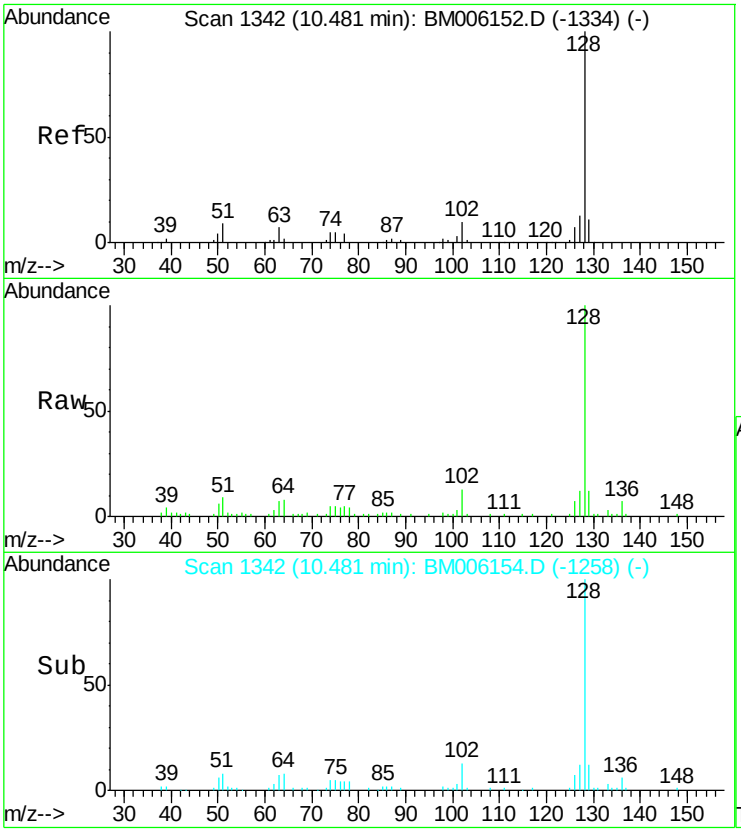
Data Path : Z:\HPCHEM1\BNA M\DATA\BM063016\
Data File : BM006154.D
Acq On : 30 Jun 2016 11:22
Operator : UM/SJ
Sample : H3777-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 15:23:12 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

Instrument :
BNA_M
ClientSampleId :
D9YC3

Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

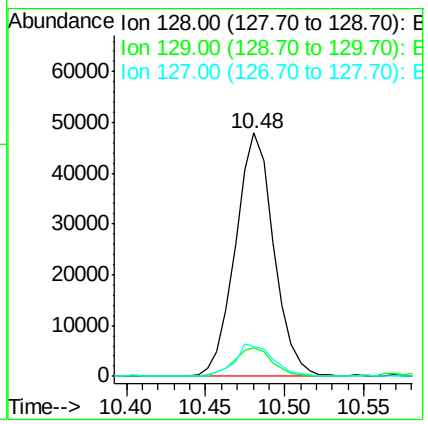




#11
Naphthalene
Concen: 1.90 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

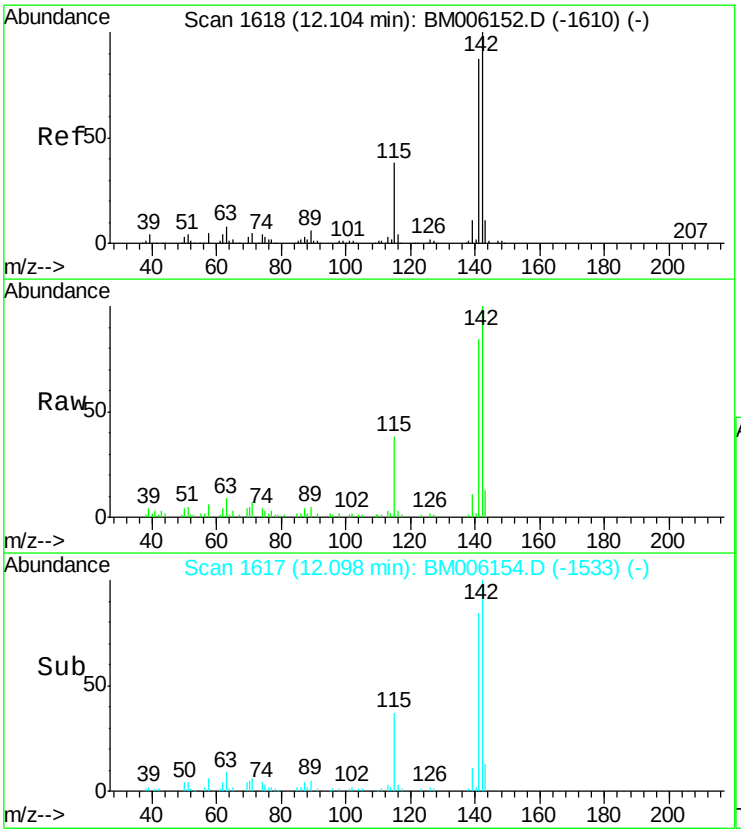
Tgt Ion:128 Resp: 80470

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	12.3	10.5	15.7



Instrument :
BNA_M
ClientSampleId :
D9YC3

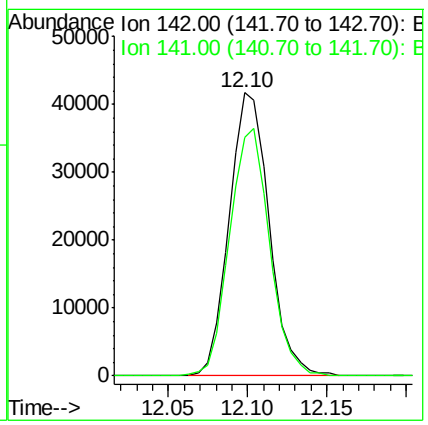
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

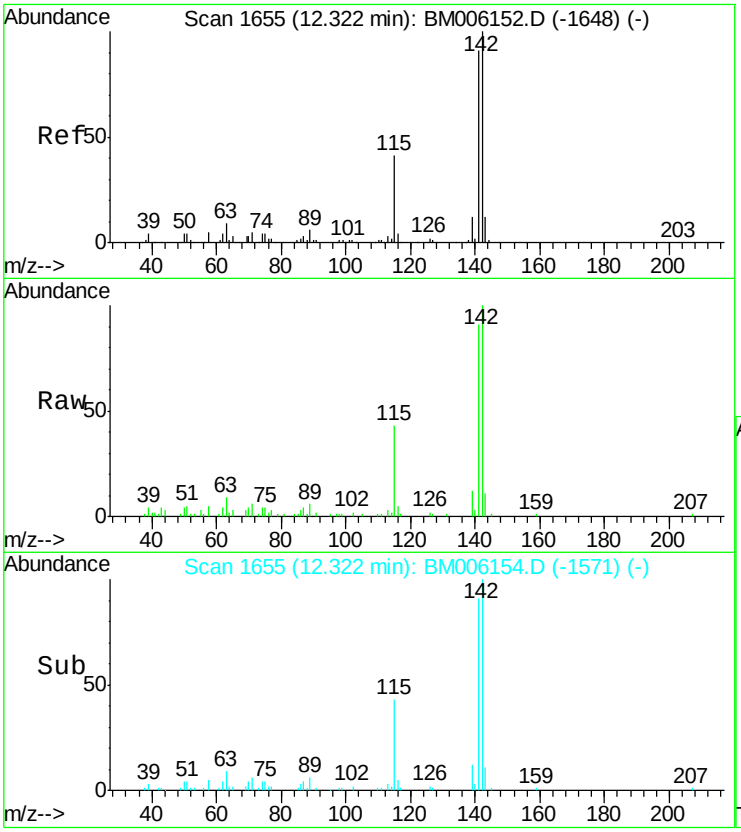


#13
2-Methylnaphthalene
Concen: 2.26 ng/ul
RT: 12.10 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:142 Resp: 72883

Ion	Ratio	Lower	Upper
142	100		
141	84.3	69.0	103.6

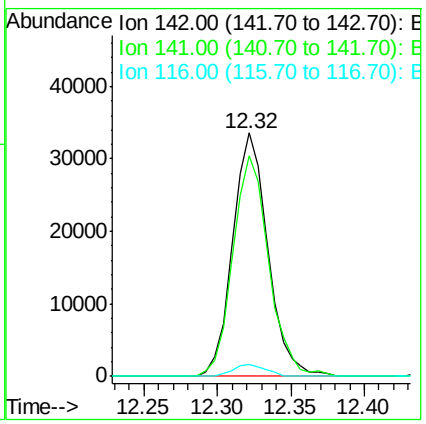




#14
1-Methylnaphthalene
Concen: 1.83 ng/ul m
RT: 12.32 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

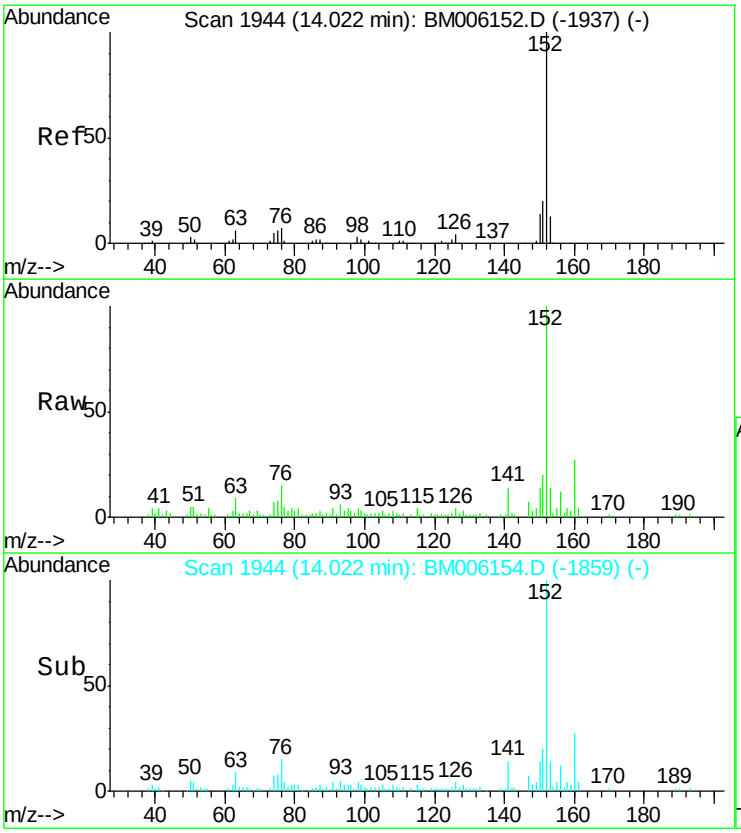
Tgt Ion:142 Resp: 55970

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.4
116	5.2	3.0	4.6#



Instrument :
BNA_M
ClientSampleId :
D9YC3

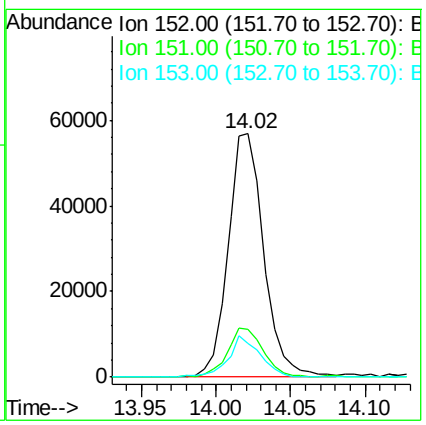
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

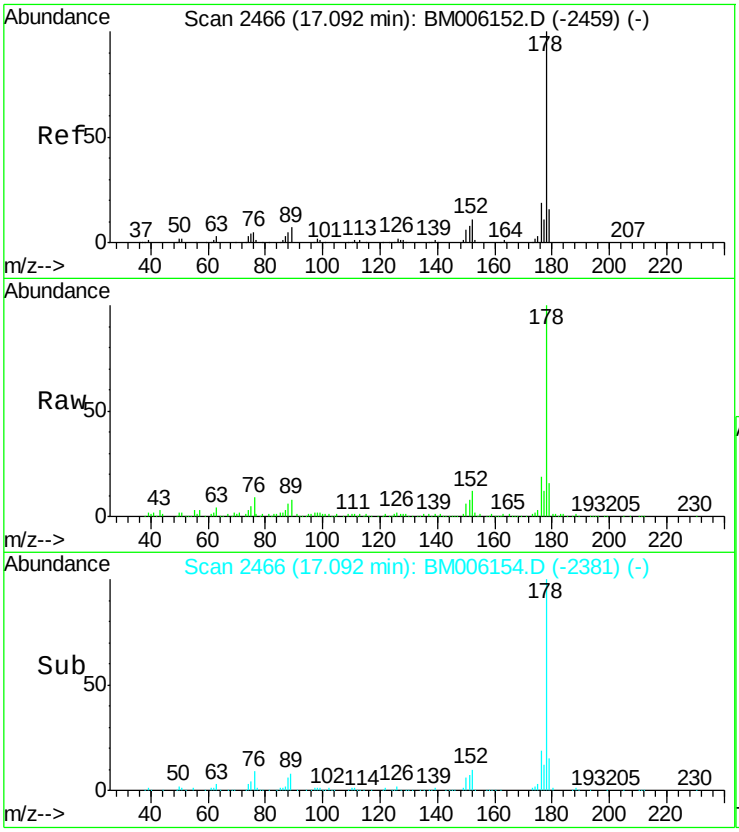


#18
Acenaphthylene
Concen: 1.85 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:152 Resp: 94820

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.9	10.3	15.5

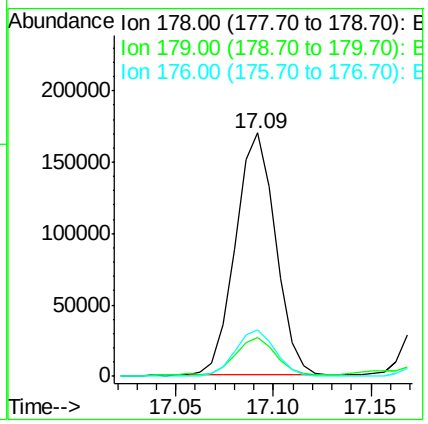




#25
Phenanthrene
Concen: 4.00 ng/ul
RT: 17.09 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

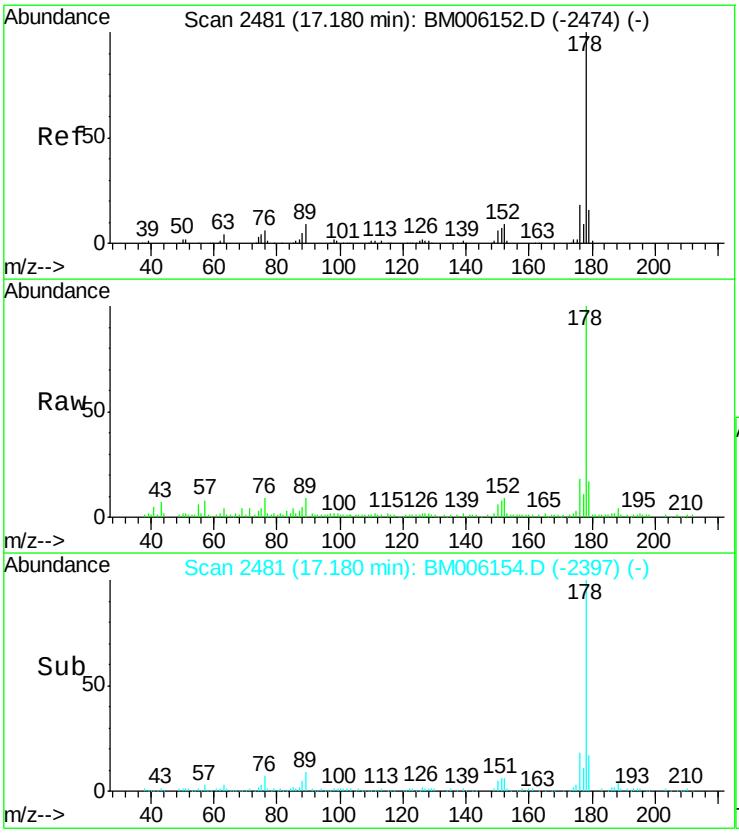
Tgt Ion:178 Resp: 241845

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	19.1	15.3	22.9



Instrument :
BNA_M
ClientSampleId :
D9YC3

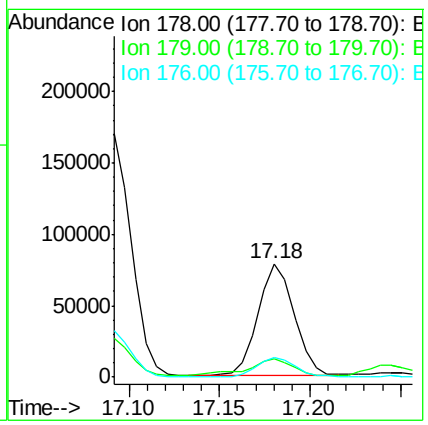
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

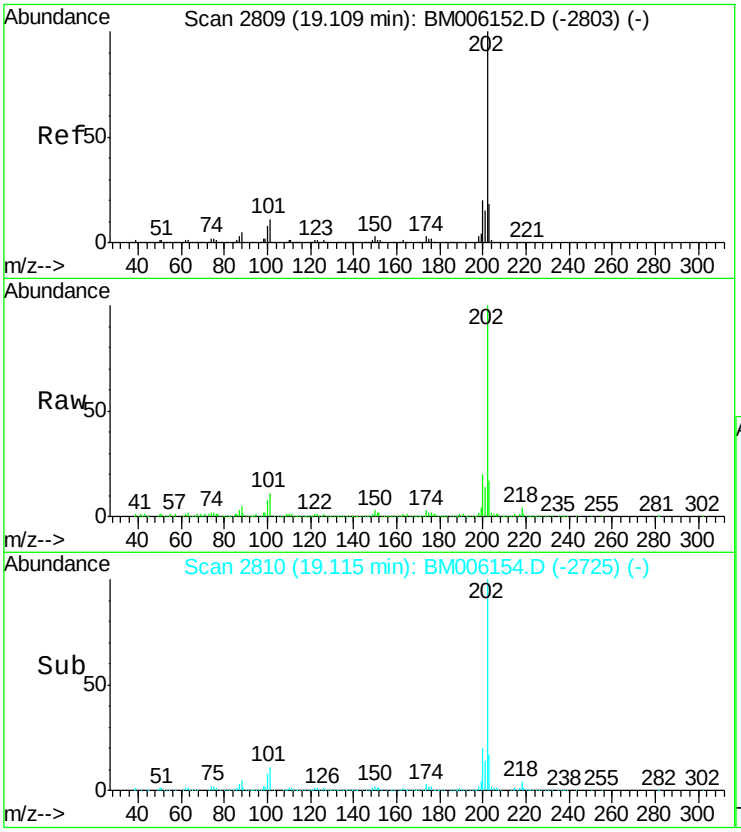


#27
Anthracene
Concen: 1.75 ng/ul
RT: 17.18 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:178 Resp: 108828

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	17.9	14.6	22.0

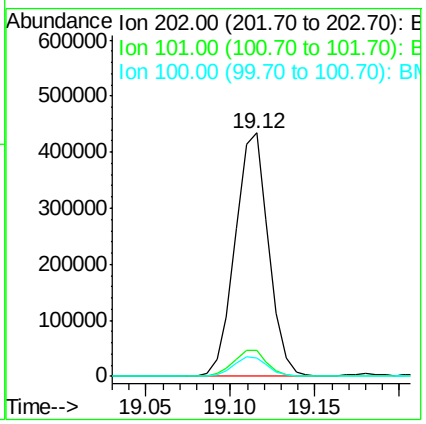




#28
Fluoranthene
Concen: 8.03 ng/ul
RT: 19.12 min Scan# 2810
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

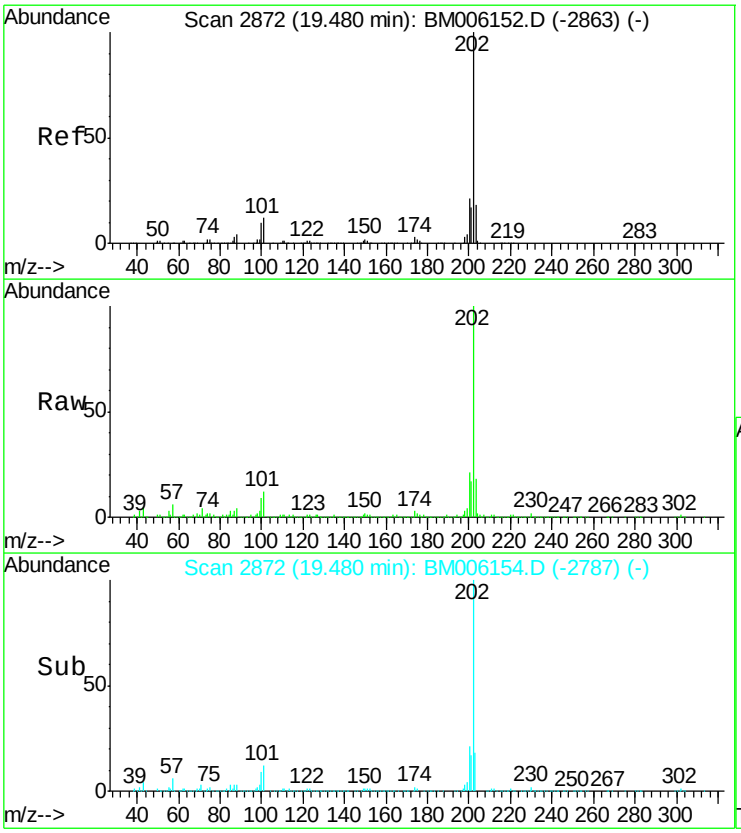
Tgt Ion:202 Resp: 593820

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.5	12.7
100	7.7	6.5	9.7



Instrument :
BNA_M
ClientSampleId :
D9YC3

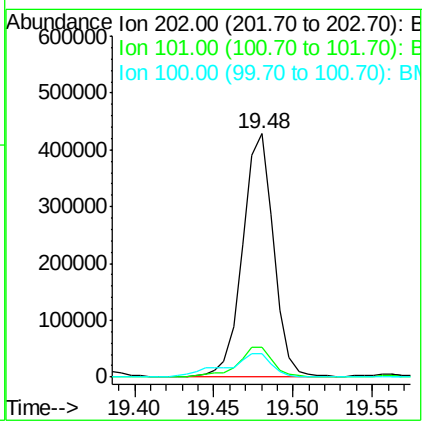
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

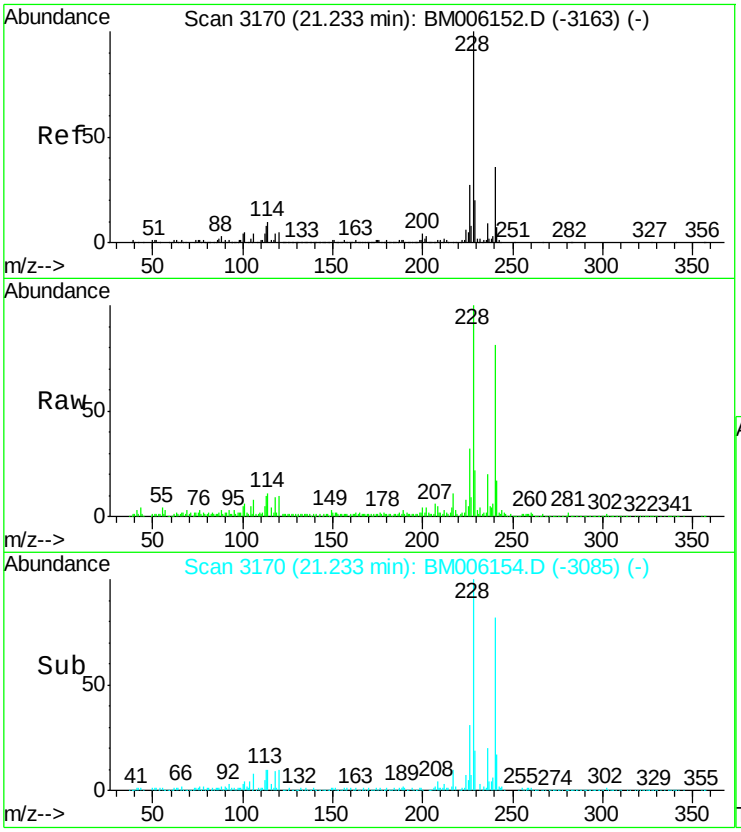


#31
Pyrene
Concen: 8.99 ng/ul
RT: 19.48 min Scan# 2872
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:202 Resp: 575324

Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.0	16.4
100	9.5	8.9	13.3

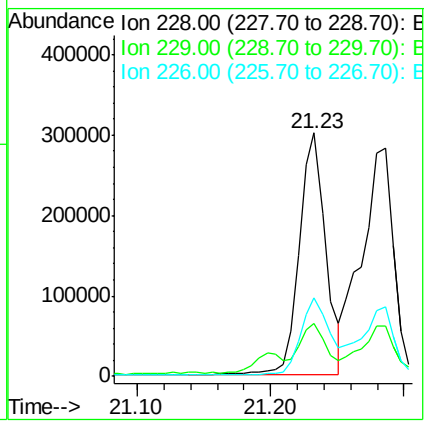




#32
Benzo(a)anthracene
Concen: 6.49 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

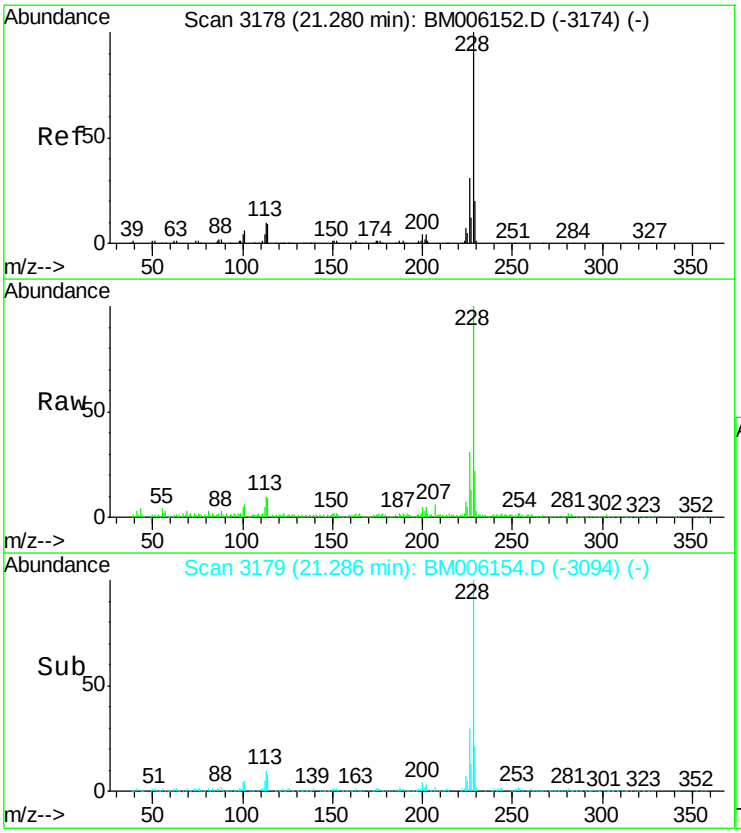
Tgt Ion:228 Resp: 409379

Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.6	23.4
226	32.3	21.6	32.4



Instrument :
BNA_M
ClientSampleId :
D9YC3

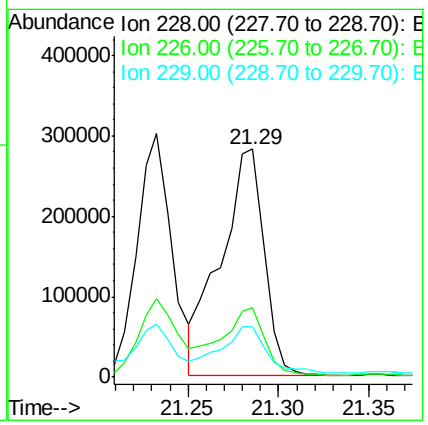
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

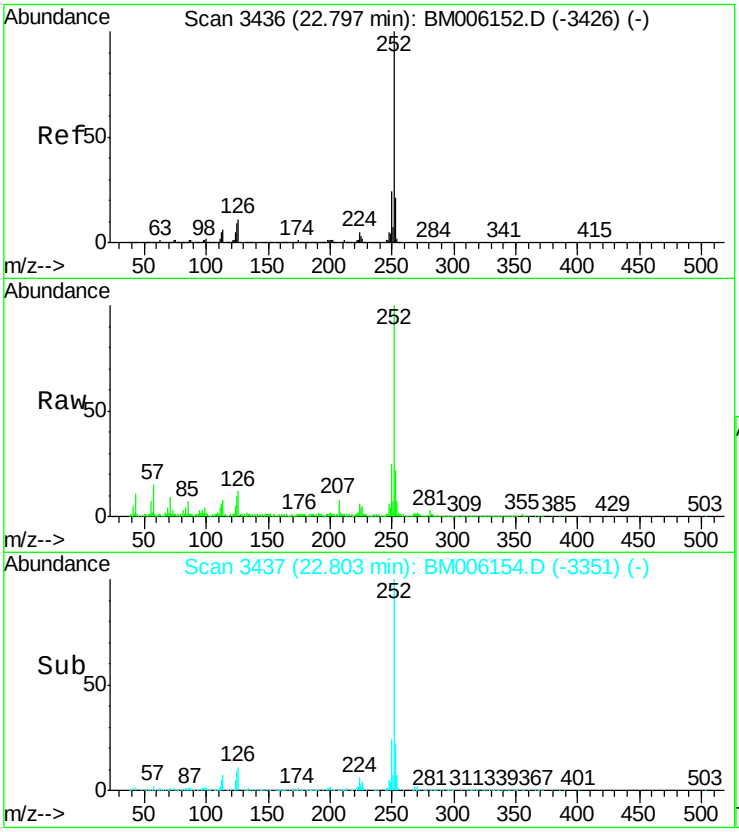


#33
Chrysene
Concen: 8.09 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:228 Resp: 469667

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	22.0	15.8	23.6

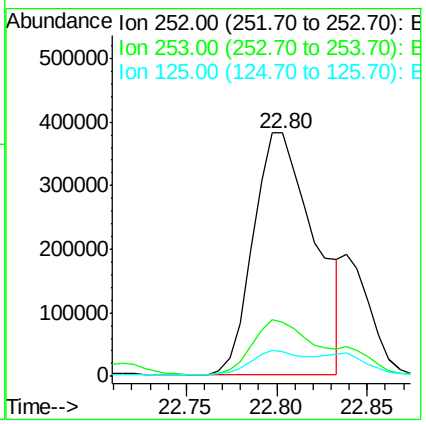




#35
Benzo(b)fluoranthene
Concen: 16.63 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. 0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

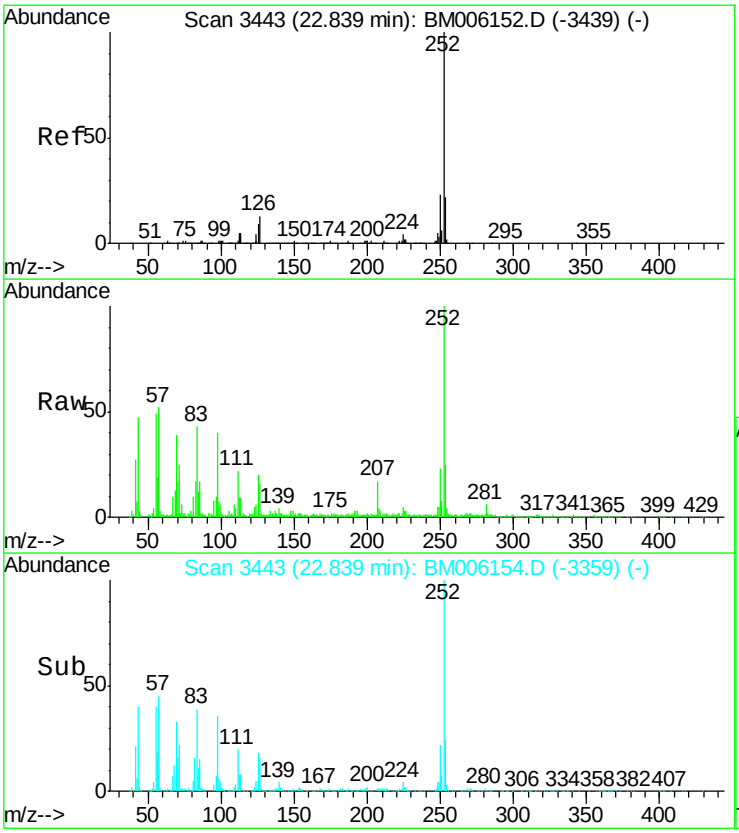
Tgt Ion:252 Resp: 897124

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	10.1	7.8	11.6



Instrument :
BNA_M
ClientSampleId :
D9YC3

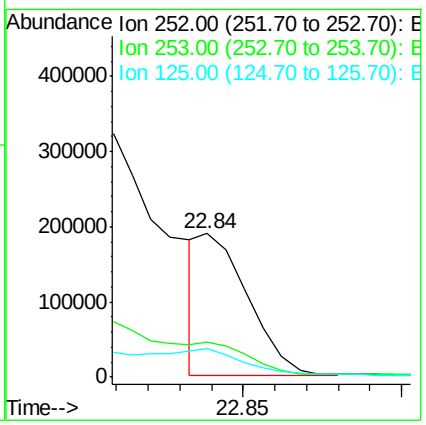
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

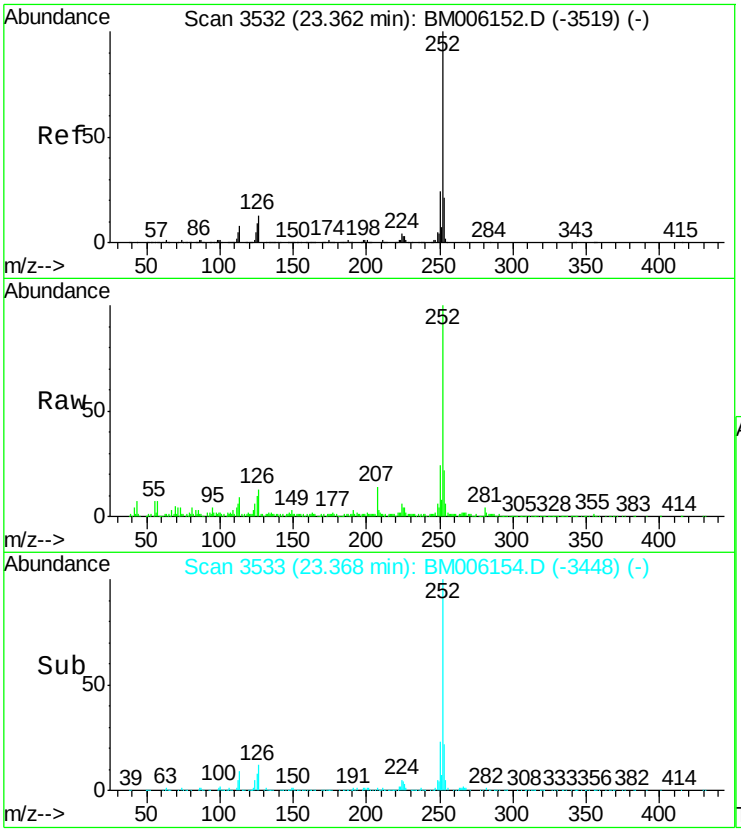


#36
Benzo(k)fluoranthene
Concen: 3.99 ng/ul m
RT: 22.84 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:252 Resp: 201844

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	19.6	8.1	12.1#

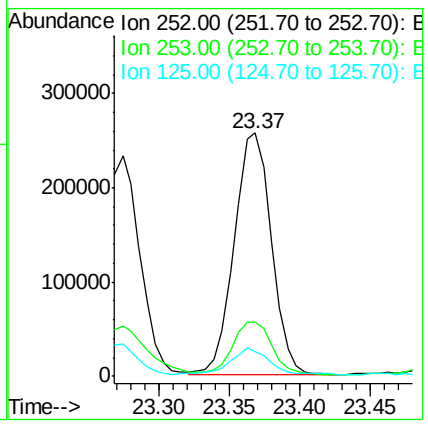




#38
Benzo(a)pyrene
Concen: 9.27 ng/ul
RT: 23.37 min Scan# 3533
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

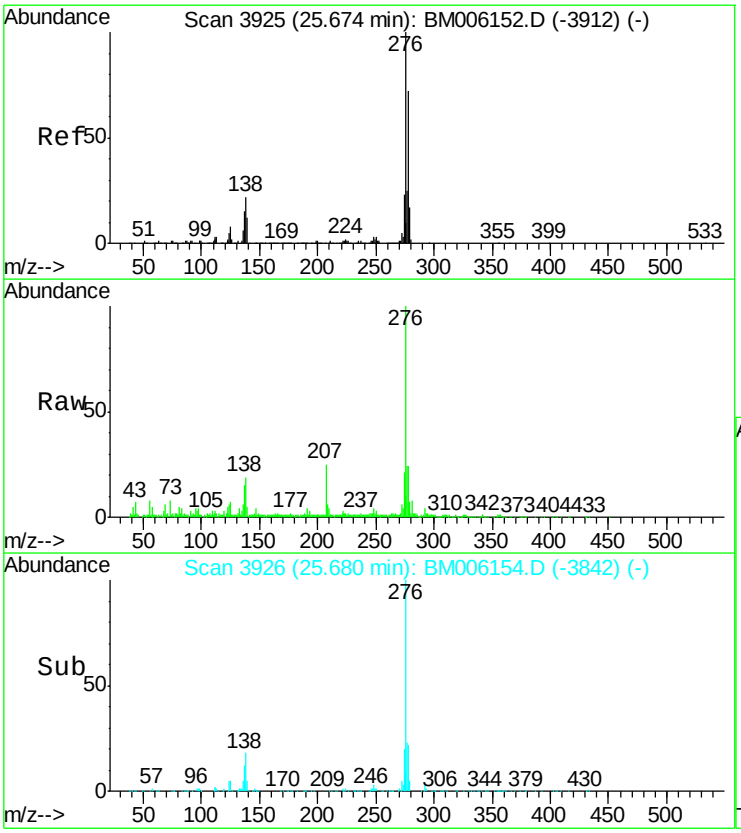
Tgt Ion:252 Resp: 472273

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	10.2	8.7	13.1



Instrument :
BNA_M
ClientSampleId :
D9YC3

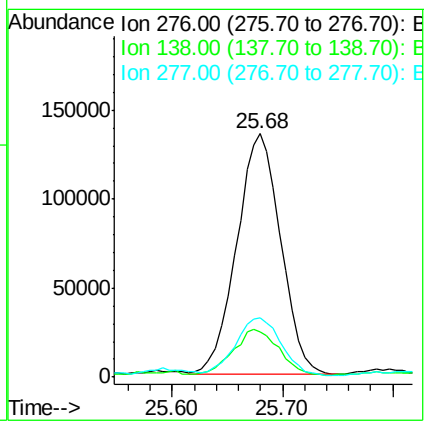
Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM

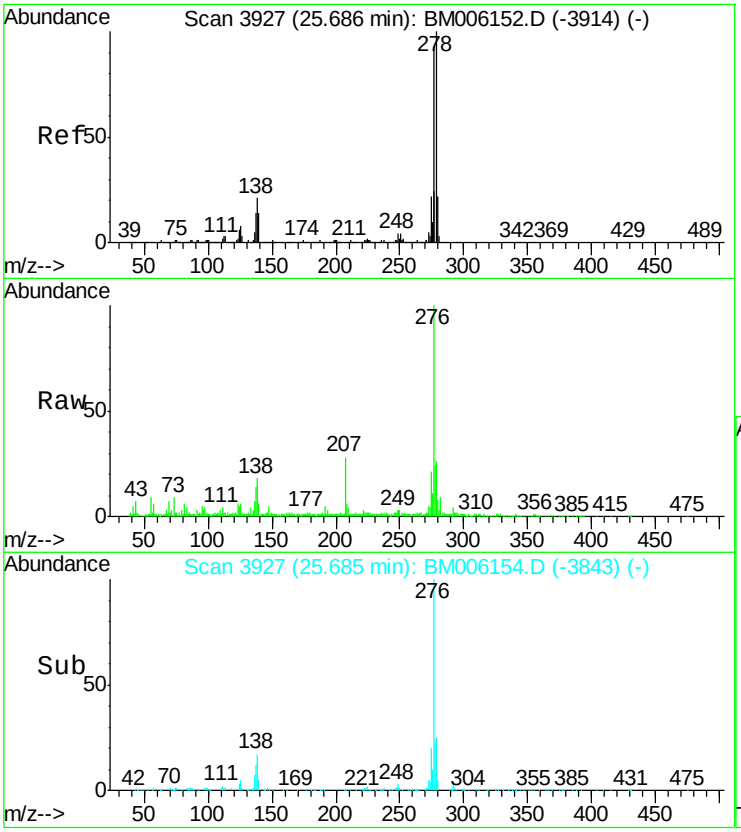


#39
Indeno(1,2,3-cd)pyrene
Concen: 7.12 ng/ul
RT: 25.68 min Scan# 3926
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:276 Resp: 377040

Ion	Ratio	Lower	Upper
276	100		
138	18.8	20.4	30.6#
277	24.5	20.6	30.8





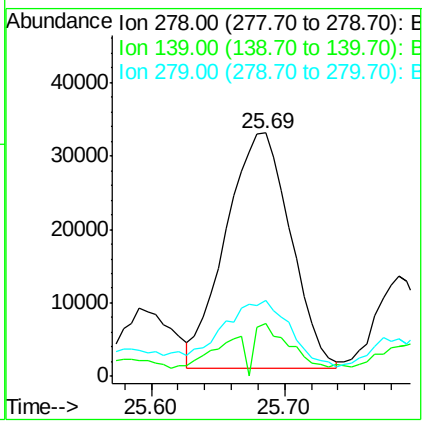
#40
Dibenzo(a,h)anthracene
Concen: 2.47 ng/ul
RT: 25.69 min Scan# 3927
Delta R.T. -0.01 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

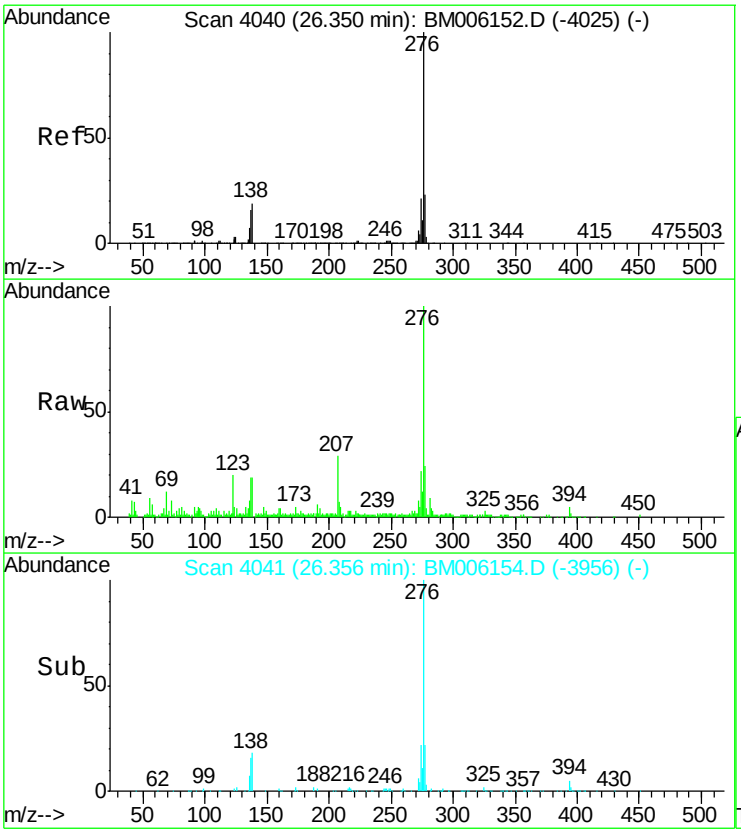
Tgt Ion:278 Resp: 108042

Ion	Ratio	Lower	Upper
278	100		
139	21.7	13.0	19.4#
279	31.2	18.8	28.2#

Instrument :
BNA_M
ClientSampleId :
D9YC3

Manual Integrations APPROVED
sohil
7/1/2016 7:15:06 PM





#41
Benzo(g,h,i)perylene
Concen: 8.12 ng/ul
RT: 26.36 min Scan# 4041
Delta R.T. 0.00 min
Lab File: BM006154.D
Acq: 30 Jun 2016 11:22

Tgt Ion:276 Resp: 360108

Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.6	25.0
277	24.0	18.9	28.3