Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005668.D
Acq On : 06 Jun 2016 14:02
Operator : UM/SJ
Sample : H3412-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9XT2

Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

Quant Time: Jun 07 04:38:46 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	97965	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	474243	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	269583	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.15	188	539746	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	381038	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	343410	20.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.22	96	4340	1.86	ng/uL	0.00
3) Phenol-d5	6.93	99	174812	20.30	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	118792	22.67	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	147461	20.75	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	117208	17.21	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	74561	20.47	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	81239	20.85	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	139771	20.18	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	189843	23.07	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	467478	22.56	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	593533	22.02	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	42229	14.23	ng/ul	0.00
21) Fluorene-d10	15.39	176	408364	22.94	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	32483	12.78	ng/ul	0.00
26) Anthracene-d10	17.25	188	564661	22.03	ng/ul	0.00
30) Pyrene-d10	19.53	212	522055	27.26	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	358942	22.71	ng/ul	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.19	178	111171	3.73	ng/ul	98
28) Fluoranthene	19.20	202	242713	7.97	ng/ul	100
31) Pyrene	19.56	202	194017	8.07	ng/ul	97
32) Benzo(a)anthracene	21.31	228	91467	4.09	ng/ul	97
33) Chrysene	21.36	228	90016	4.26	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	101480	4.90	ng/ul	98
36) Benzo(k)fluoranthene	22.94	252	36019m	1.85	ng/ul	
38) Benzo(a)pyrene	23.49	252	71785	3.60	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.86	276	48836	2.07	ng/ul	95
41) Benzo(g,h,i)perylene	26.57	276	44405	2.24	ng/ul#	94

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

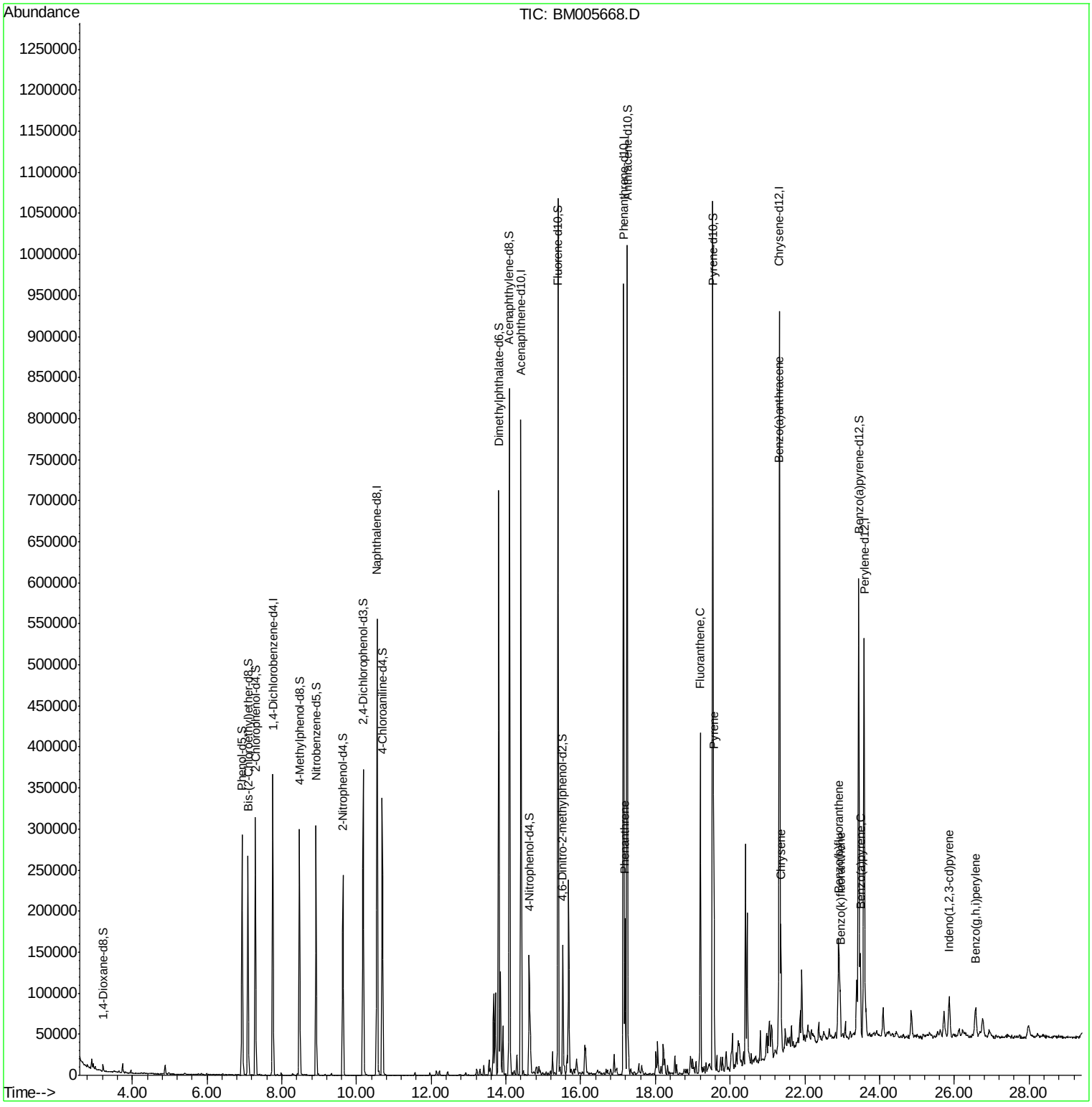
Quantitation Report (QT Reviewed)

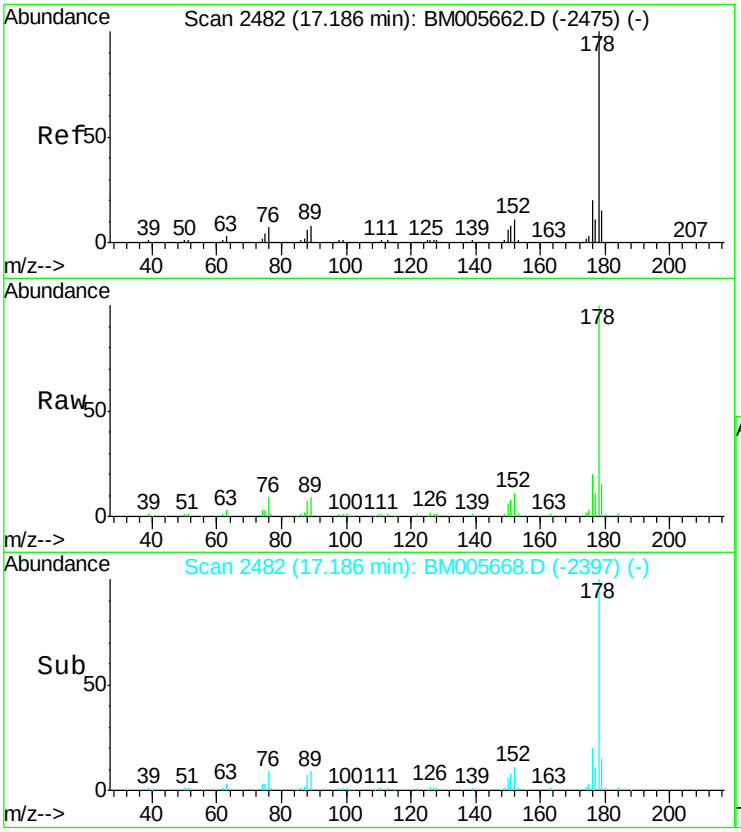
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
Data File : BM005668.D
Acq On : 06 Jun 2016 14:02
Operator : UM/SJ
Sample : H3412-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 07 04:38:46 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9XT2

Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

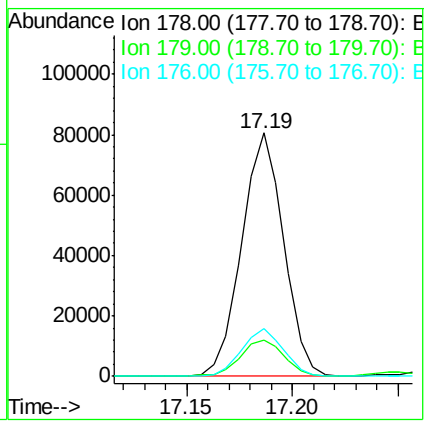




#25
Phenanthrene
Concen: 3.73 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

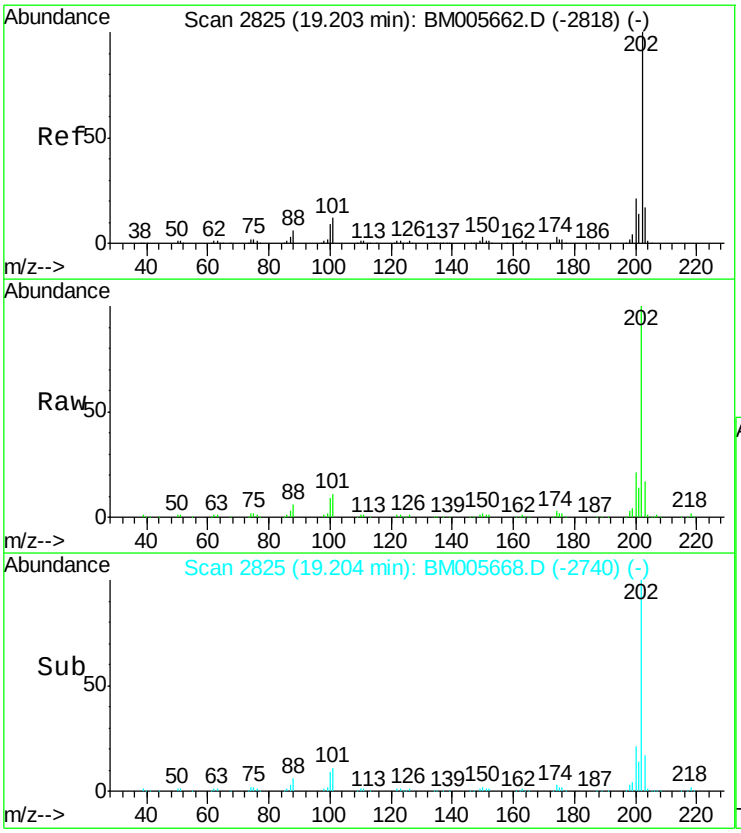
Tgt Ion:178 Resp: 111171

Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8
176	19.8	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
D9XT2

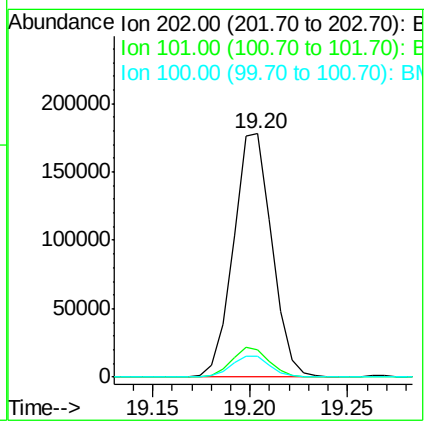
Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

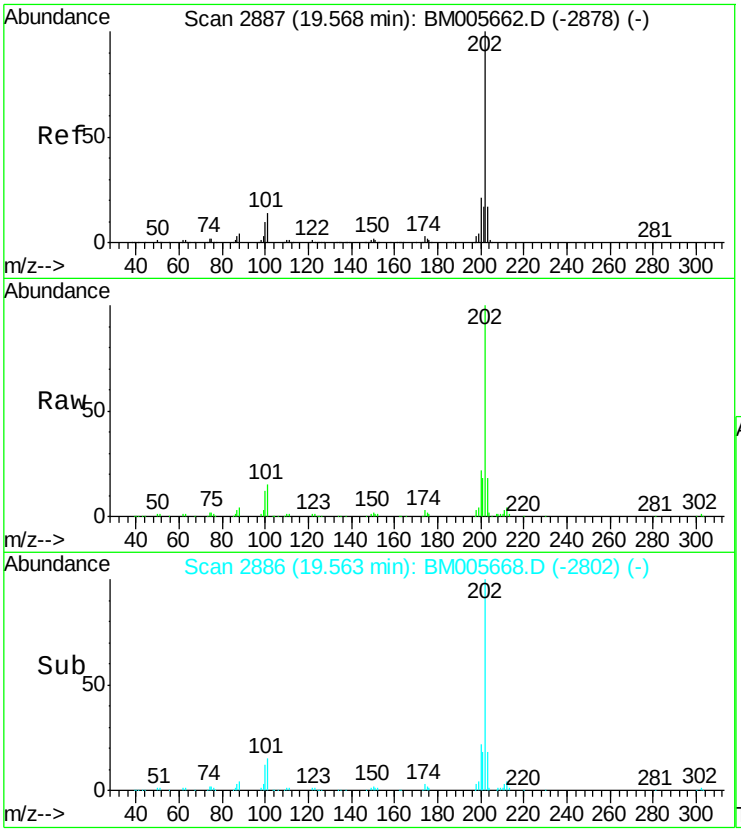


#28
Fluoranthene
Concen: 7.97 ng/ul
RT: 19.20 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion:202 Resp: 242713

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
100	8.6	7.0	10.4

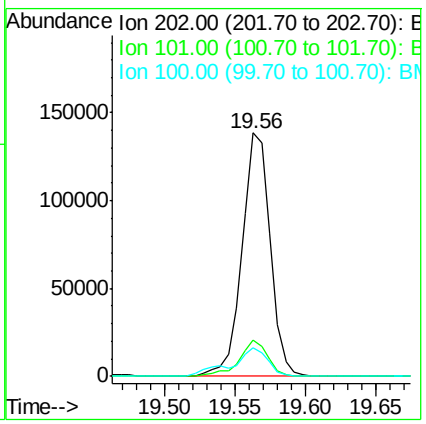




#31
Pyrene
Concen: 8.07 ng/ul
RT: 19.56 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

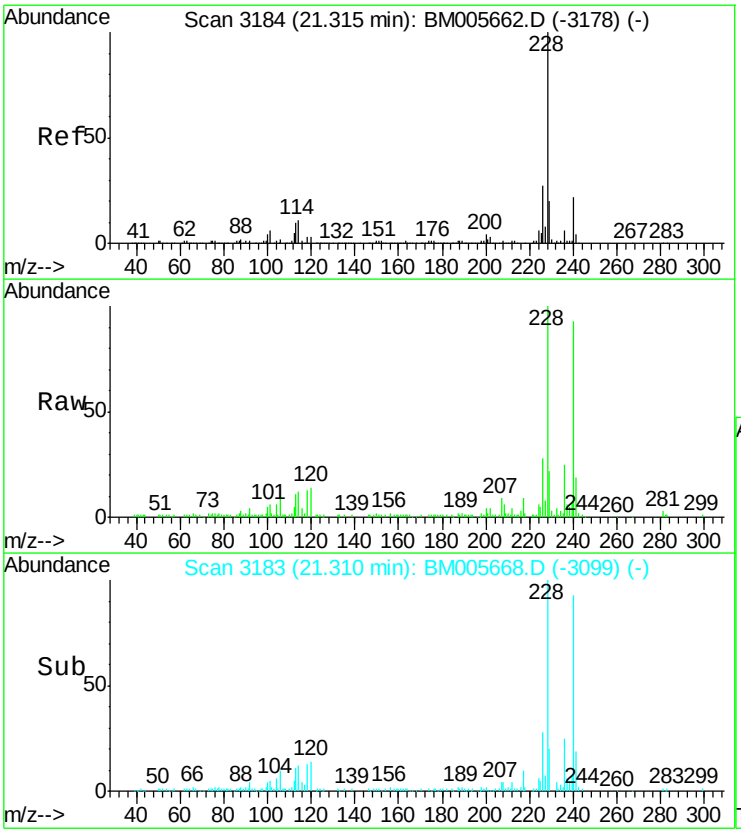
Tgt Ion:202 Resp: 194017

Ion	Ratio	Lower	Upper
202	100		
101	14.7	9.8	14.8
100	11.7	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
D9XT2

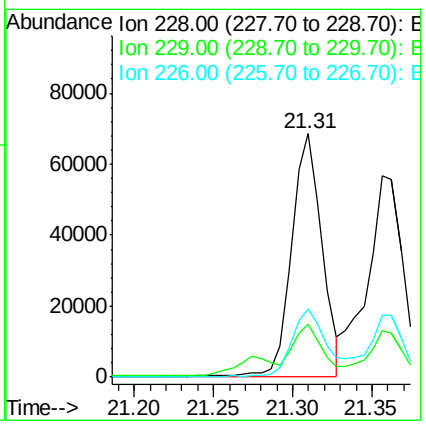
Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

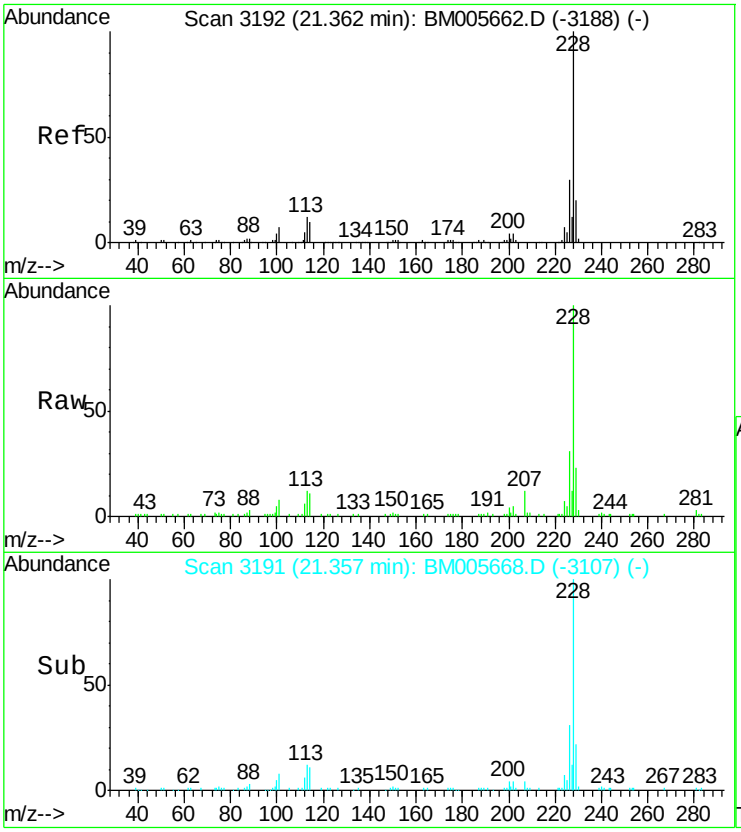


#32
Benzo(a)anthracene
Concen: 4.09 ng/ul
RT: 21.31 min Scan# 3183
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion:228 Resp: 91467

Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	28.0	21.0	31.4

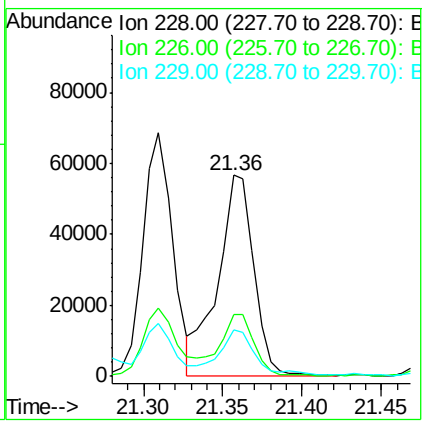




#33
Chrysene
Concen: 4.26 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

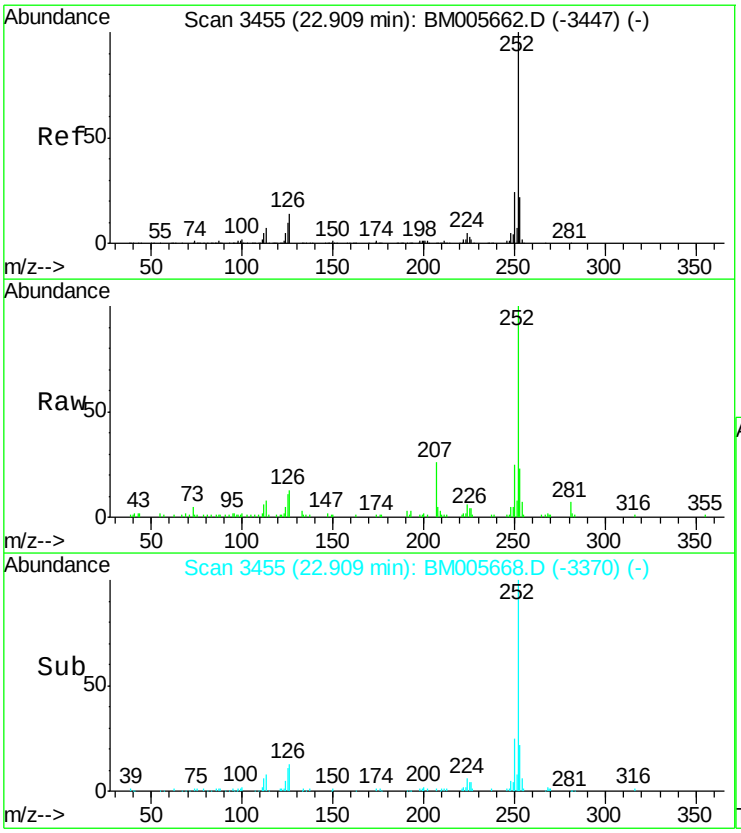
Tgt Ion:228 Resp: 90016

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	22.9	16.2	24.2



Instrument :
BNA_M
ClientSampleId :
D9XT2

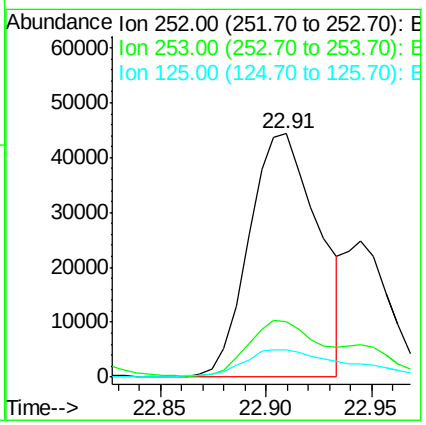
Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

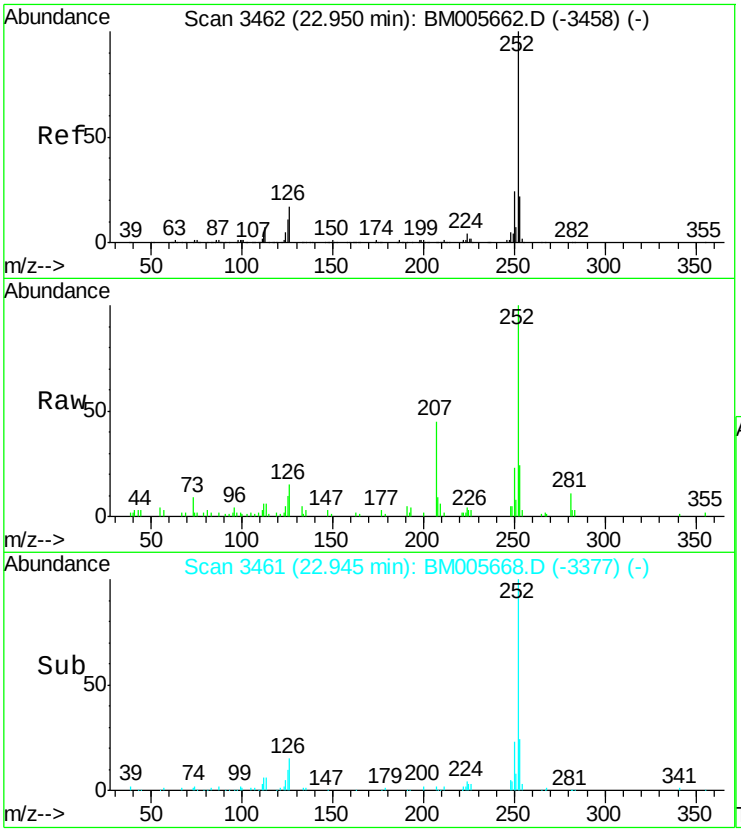


#35
Benzo(b)fluoranthene
Concen: 4.90 ng/ul
RT: 22.91 min Scan# 3455
Delta R.T. 0.00 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion:252 Resp: 101480

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.0	7.6	11.4

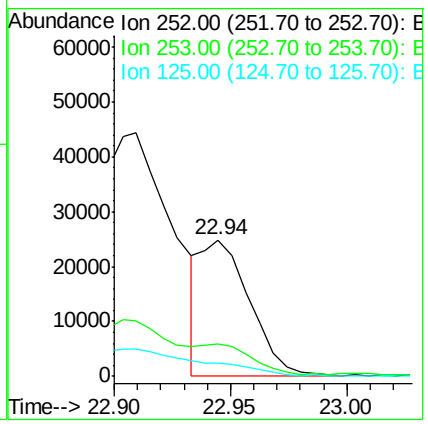




#36
Benzo(k)fluoranthene
Concen: 1.85 ng/ul m
RT: 22.94 min Scan# 3461
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

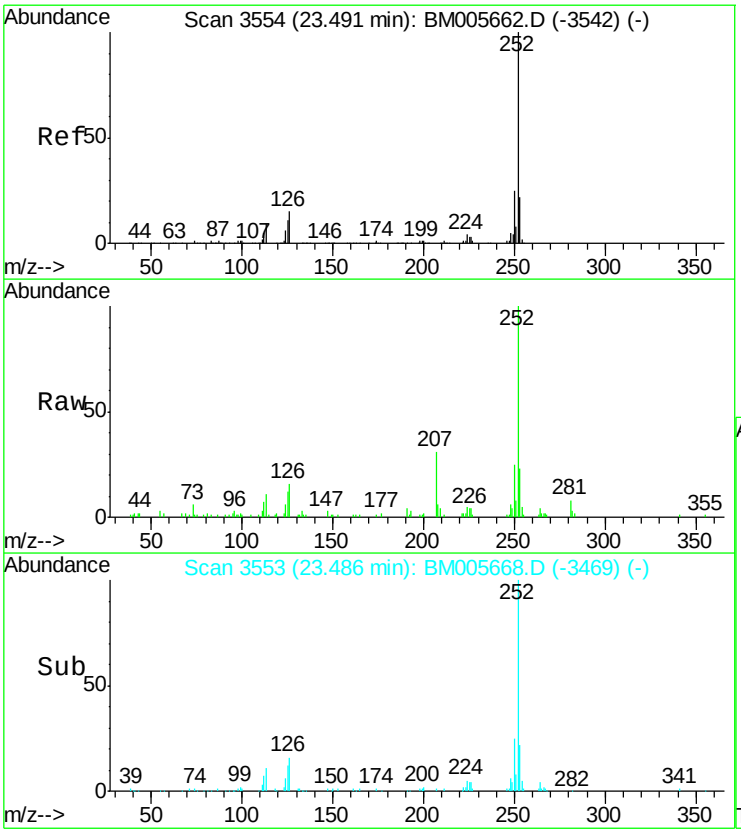
Tgt Ion:252 Resp: 36019

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	10.1	7.7	11.5



Instrument :
BNA_M
ClientSampleId :
D9XT2

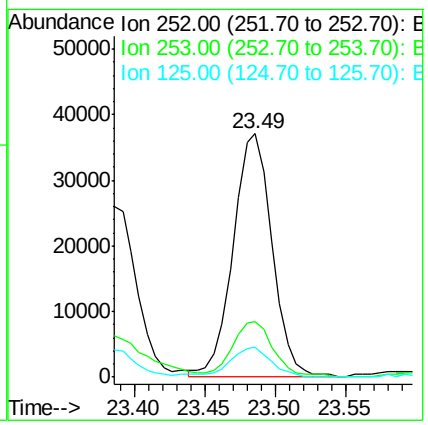
Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM

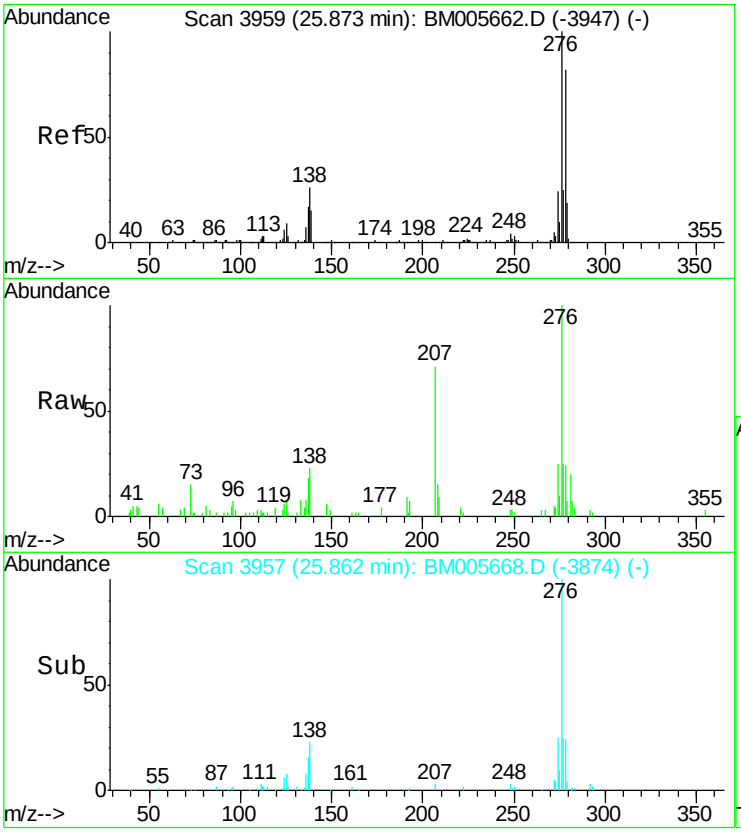


#38
Benzo(a)pyrene
Concen: 3.60 ng/ul
RT: 23.49 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion:252 Resp: 71785

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.1	8.2	12.2

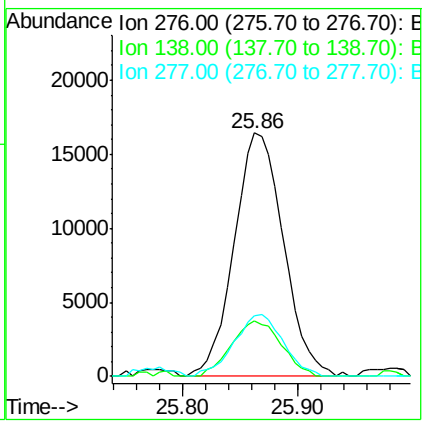




#39
Indeno(1,2,3-cd)pyrene
Concen: 2.07 ng/ul
RT: 25.86 min Scan# 3957
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

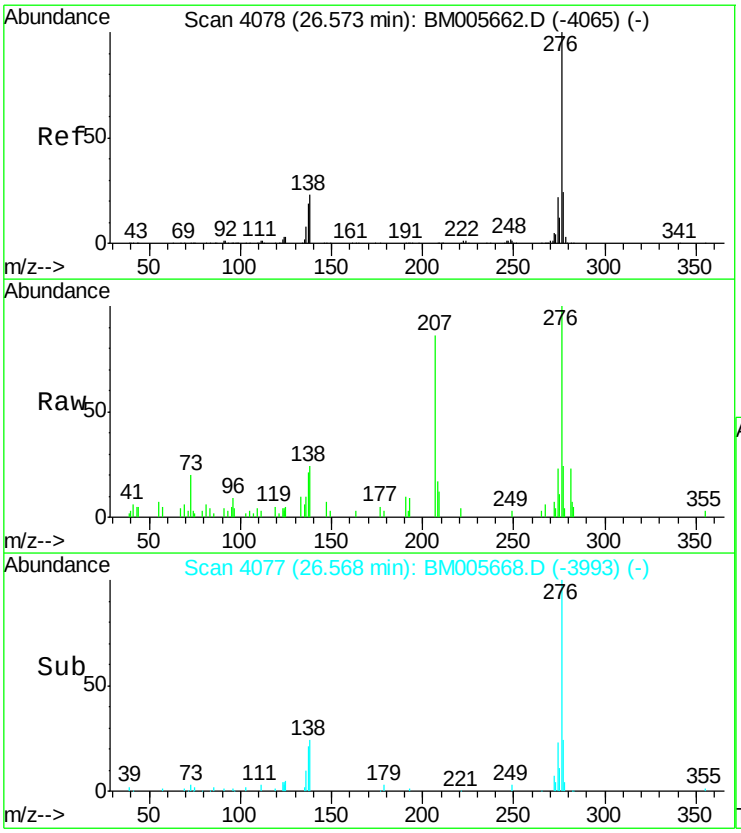
Tgt Ion:276 Resp: 48836

Ion	Ratio	Lower	Upper
276	100		
138	22.8	15.8	23.6
277	25.1	19.0	28.6



Instrument :
BNA_M
ClientSampleId :
D9XT2

Manual Integrations APPROVED
sohil
6/7/2016 7:13:35 PM



#41
Benzo(g,h,i)perylene
Concen: 2.24 ng/ul
RT: 26.57 min Scan# 4077
Delta R.T. -0.01 min
Lab File: BM005668.D
Acq: 06 Jun 2016 14:02

Tgt Ion:276 Resp: 44405

Ion	Ratio	Lower	Upper
276	100		
138	23.6	13.9	20.9#
277	24.5	19.8	29.6