Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026288.D
Acq On : 17 Mar 2017 18:38
Operator : SJ/MA
Sample : I2218-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB2Z2

Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

Quant Time: Mar 17 19:14:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 17 14:43:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	138609	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	642744	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	347326	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	694577	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	676781	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	628608	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	166949	17.54	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	761797	25.72	ng/ul	0.00
10) Fluorene-d10	15.64	176	531203	24.59	ng/ul	0.00
15) Anthracene-d10	17.49	188	697897	22.61	ng/ul	0.00
19) Pyrene-d10	19.76	212	750116	21.72	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	665498	24.55	ng/ul	0.00
Target Compounds						Qvalue
14) Phenanthrene	17.43	178	128354	3.49	ng/ul	98
17) Fluoranthene	19.43	202	275798	7.22	ng/ul	99
20) Pyrene	19.79	202	268728	6.24	ng/ul	97
21) Benzo(a)anthracene	21.62	228	160155	4.25	ng/ul	97
22) Chrysene	21.68	228	155044	4.41	ng/ul	97
24) Benzo(b)fluoranthene	23.82	252	212854	5.96	ng/ul	97
25) Benzo(k)fluoranthene	23.88	252	73797m	2.17	ng/ul	
27) Benzo(a)pyrene	24.67	252	132006	3.98	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.46	276	77753m	2.12	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	63820m	2.04	ng/ul	

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

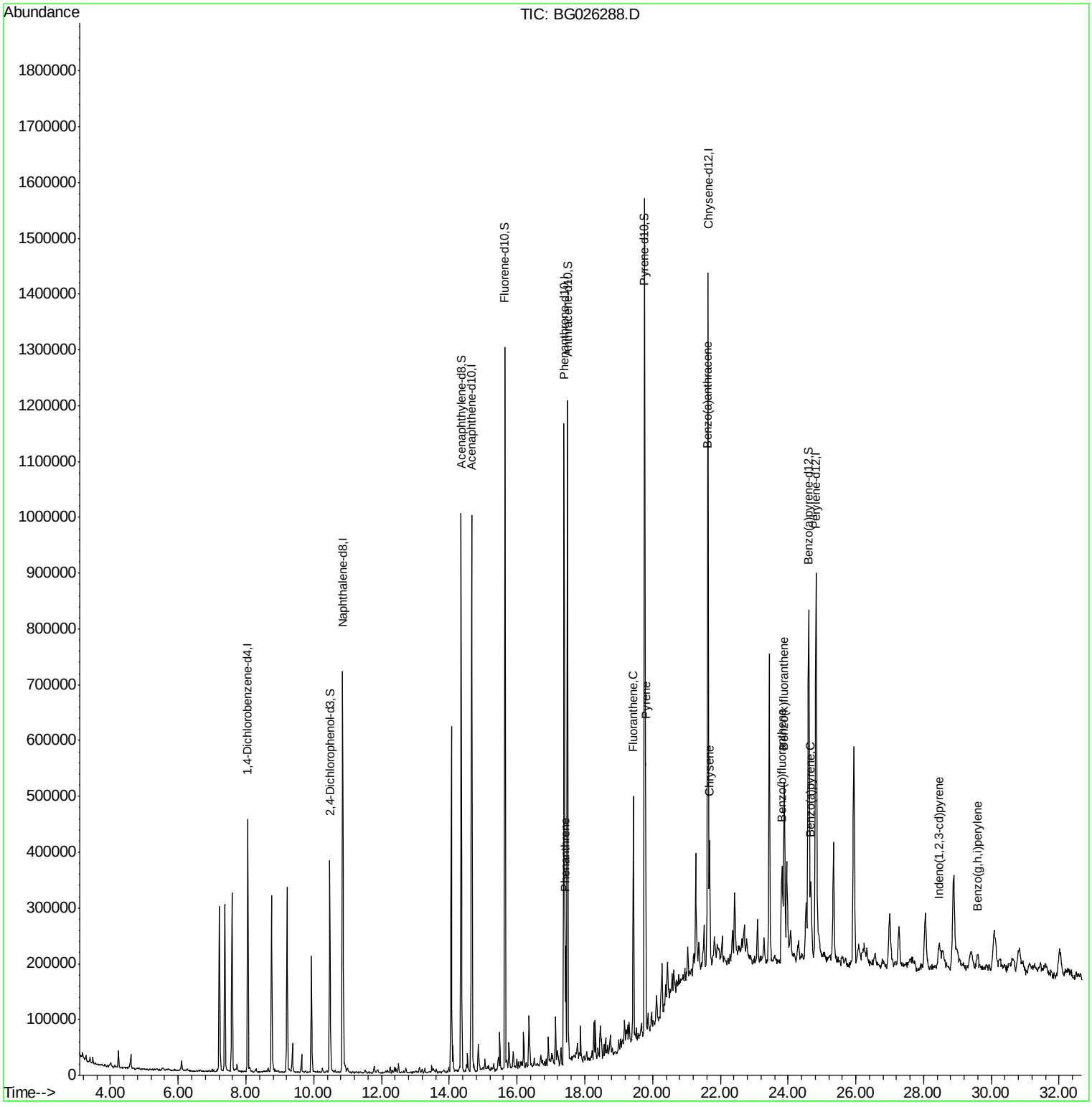
Quantitation Report (QT Reviewed)

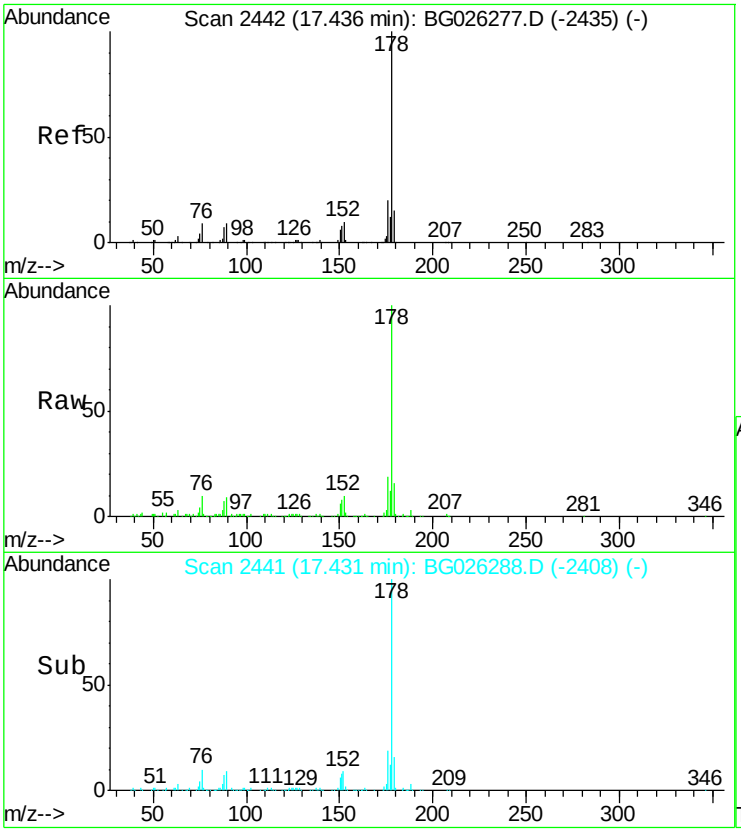
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026288.D
Acq On : 17 Mar 2017 18:38
Operator : SJ/MA
Sample : I2218-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 17 19:14:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 17 14:43:33 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2Z2

Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

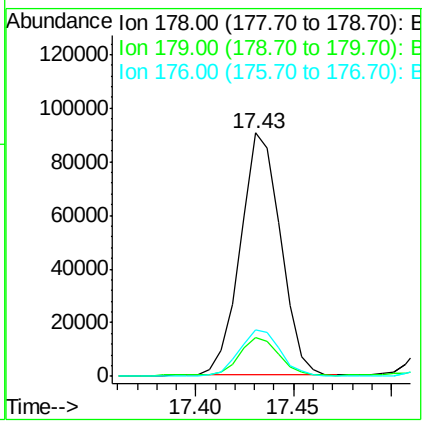




#14
Phenanthrene
Concen: 3.49 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

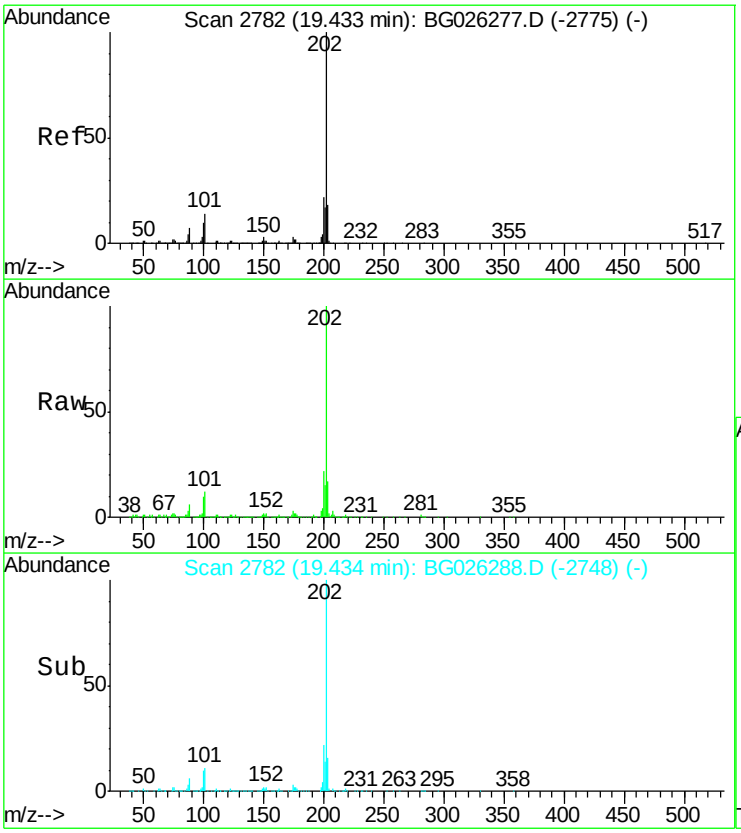
Tgt Ion:178 Resp: 128354

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	19.2	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
CB2Z2

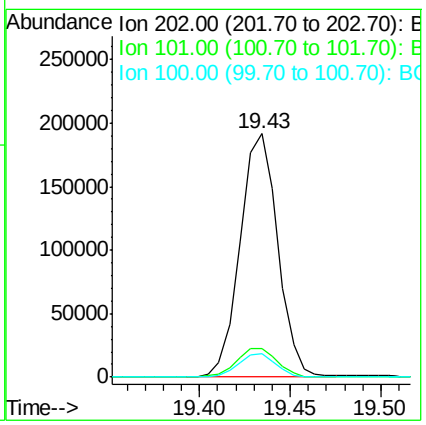
Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

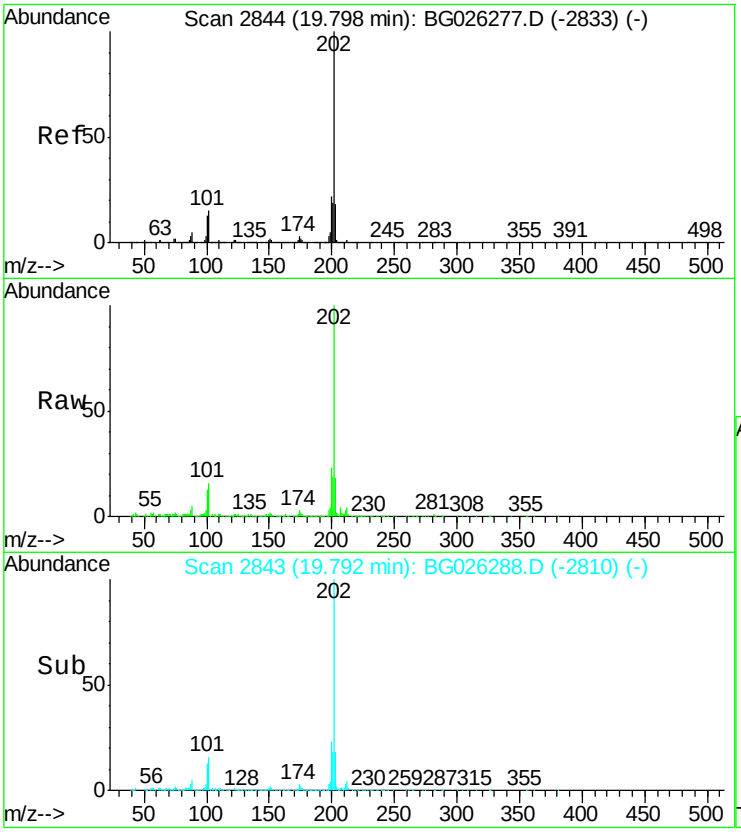


#17
Fluoranthene
Concen: 7.22 ng/ul
RT: 19.43 min Scan# 2782
Delta R.T. 0.00 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

Tgt Ion:202 Resp: 275798

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.8	14.8
100	9.7	7.5	11.3

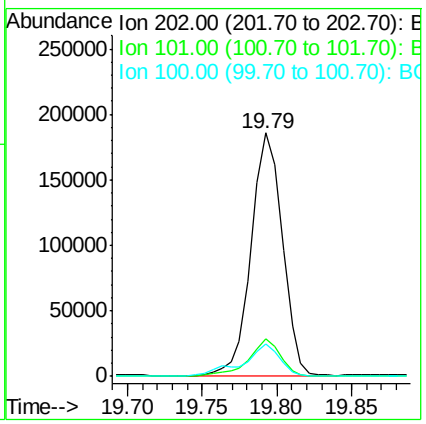




#20
Pyrene
Concen: 6.24 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

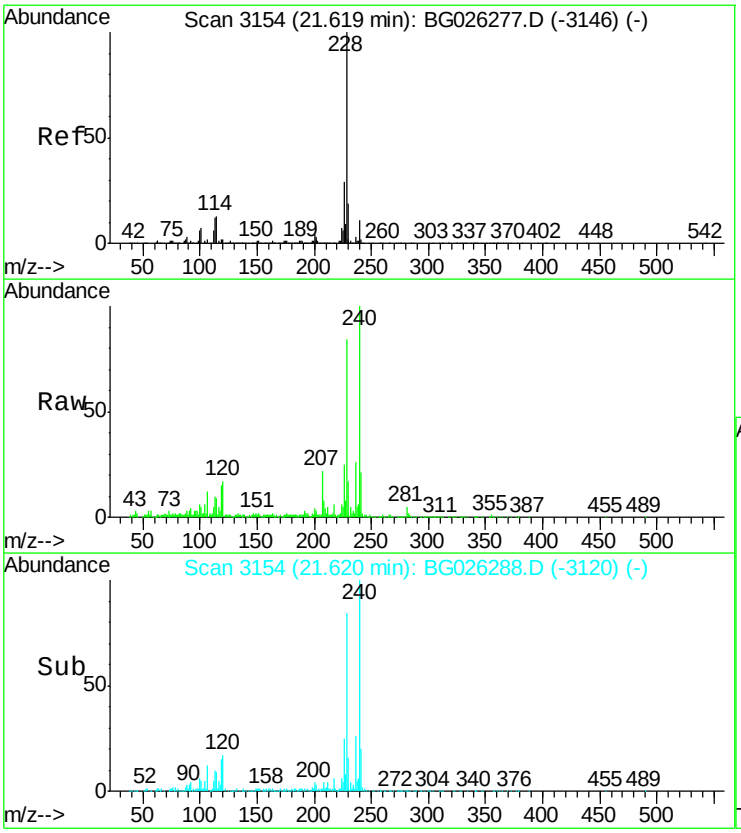
Tgt Ion:202 Resp: 268728

Ion	Ratio	Lower	Upper
202	100		
101	15.6	11.2	16.8
100	13.4	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
CB2Z2

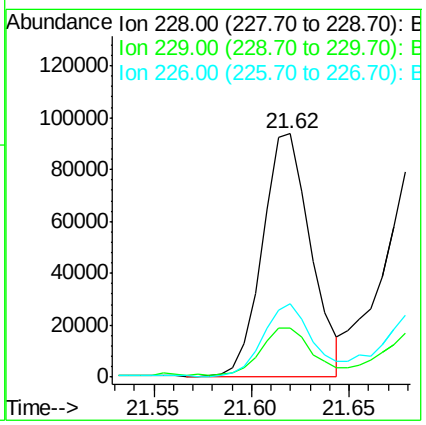
Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

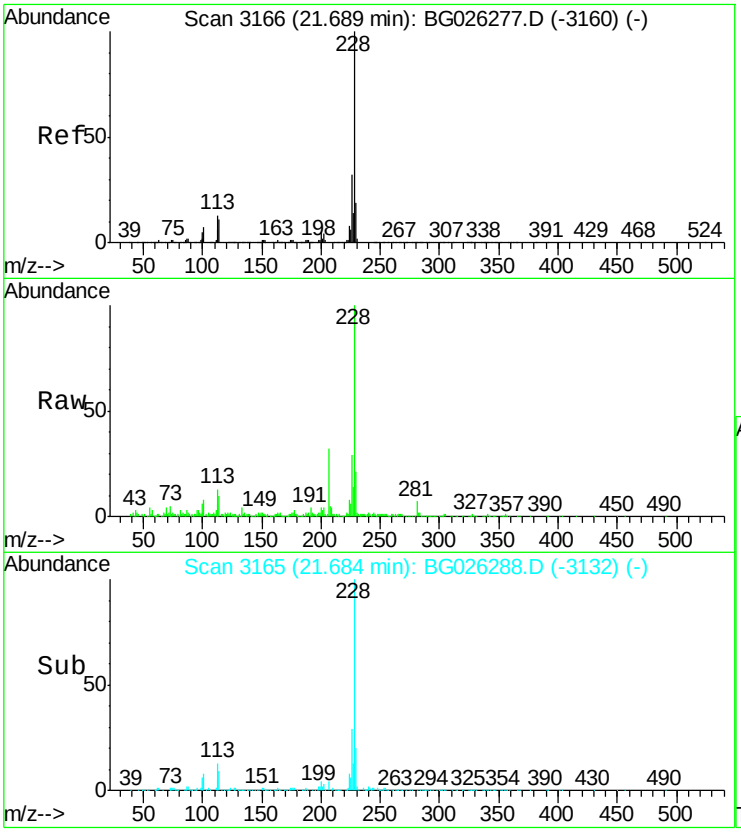


#21
Benzo(a)anthracene
Concen: 4.25 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

Tgt Ion:228 Resp: 160155

Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	29.9	22.1	33.1

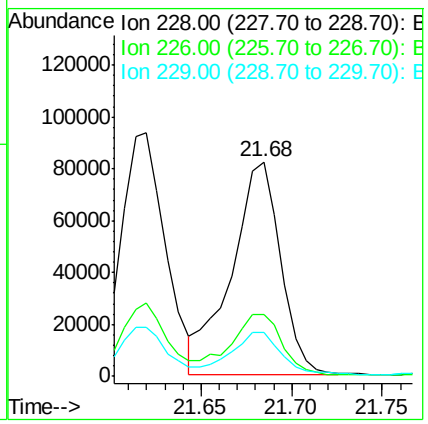




#22
Chrysene
Concen: 4.41 ng/ul
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

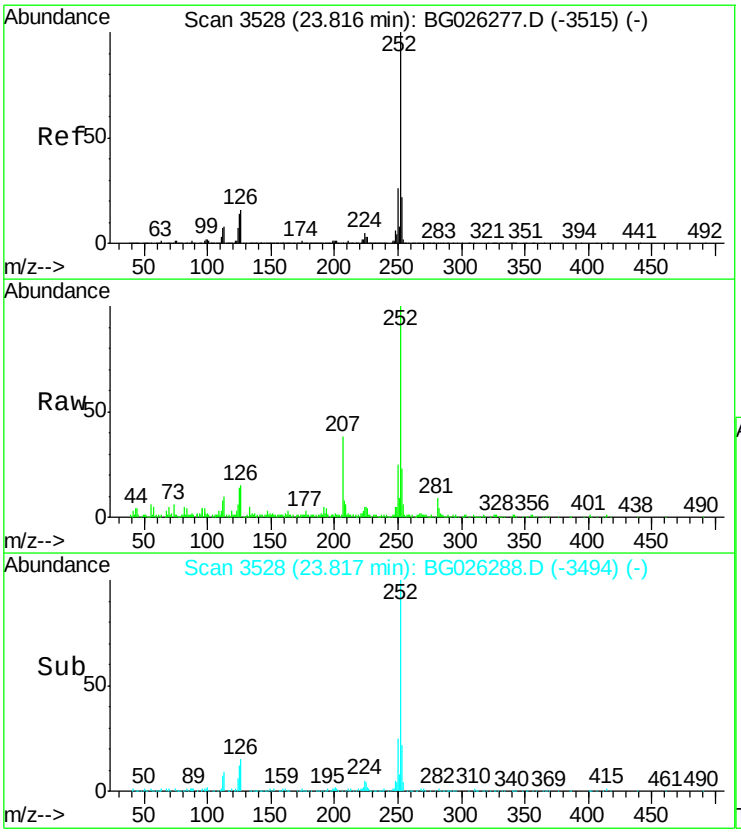
Tgt Ion:228 Resp: 155044

Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	20.6	16.6	25.0



Instrument :
BNA_G
ClientSampleId :
CB2Z2

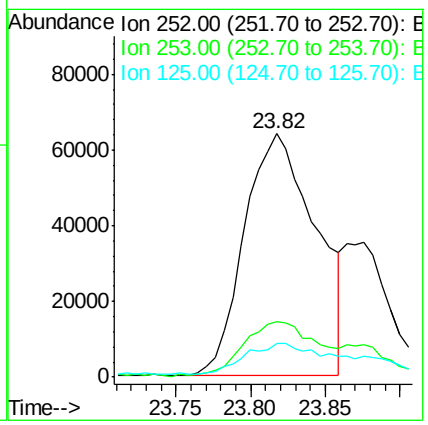
Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

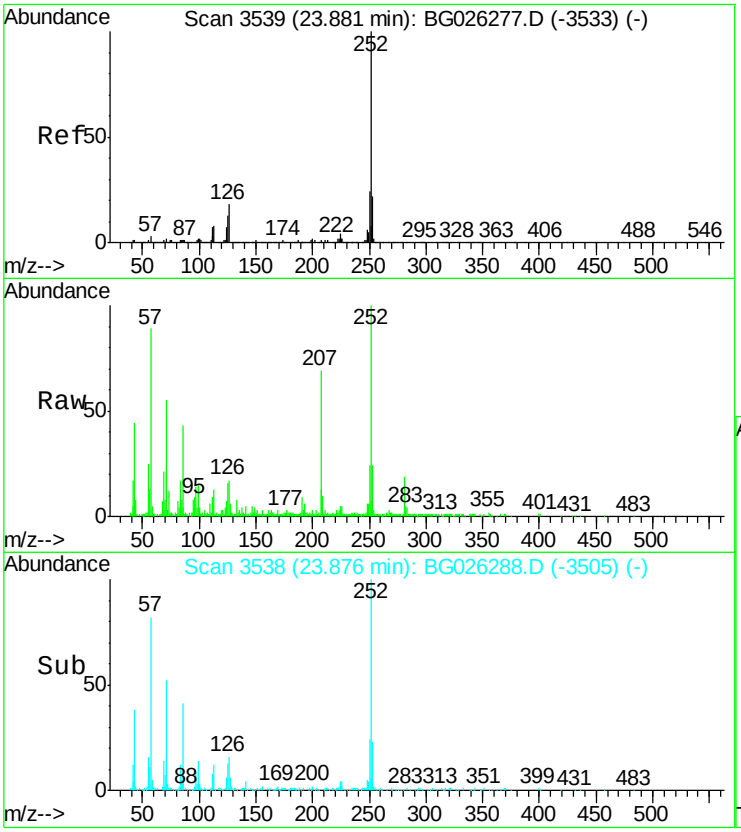


#24
Benzo(b)fluoranthene
Concen: 5.96 ng/ul
RT: 23.82 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

Tgt Ion:252 Resp: 212854

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	13.6	9.4	14.0

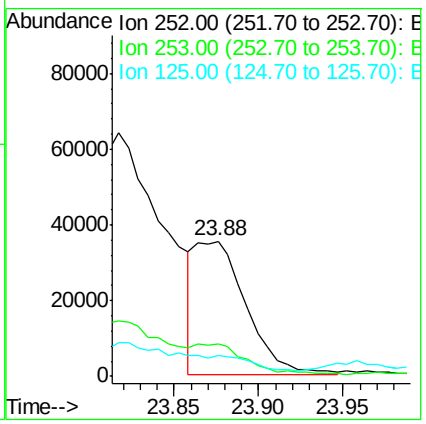




#25
Benzo(k)fluoranthene
Concen: 2.17 ng/ul m
RT: 23.88 min Scan# 3538
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

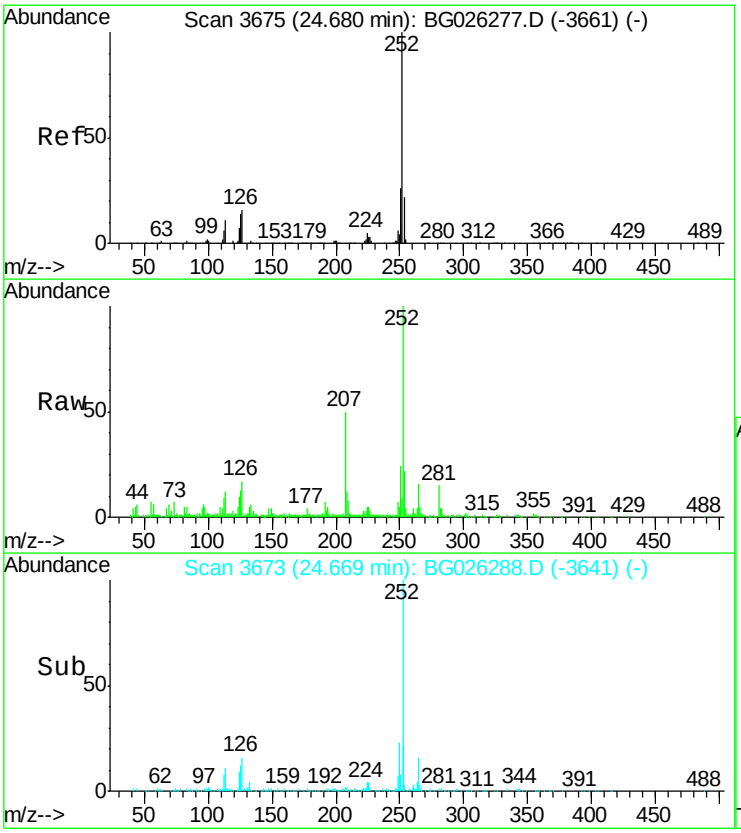
Tgt Ion:252 Resp: 73797

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	15.5	8.8	13.2#



Instrument :
BNA_G
ClientSampleId :
CB2Z2

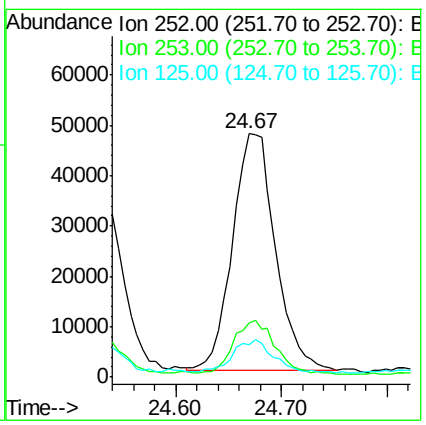
Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM

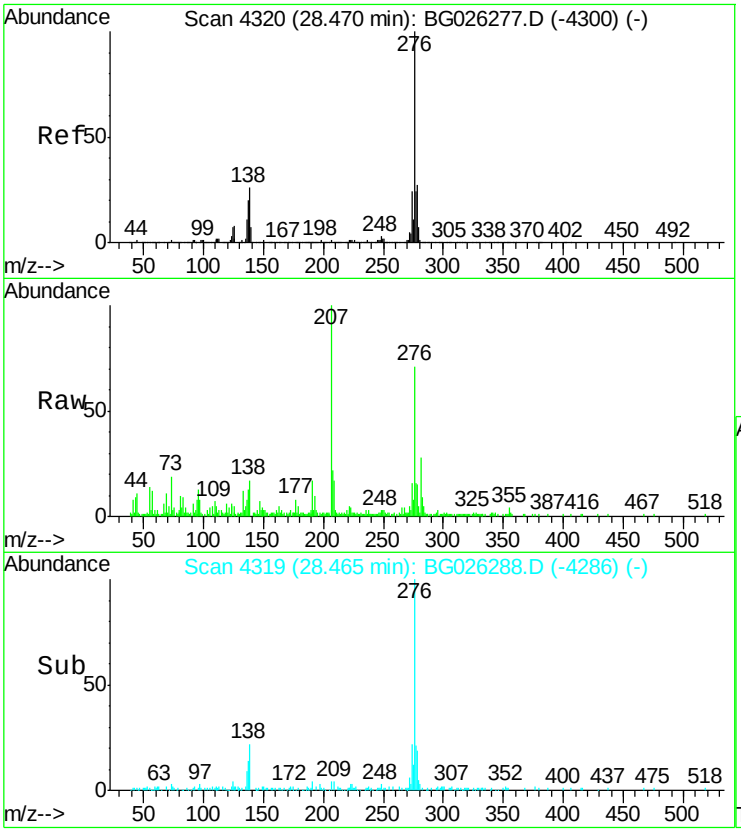


#27
Benzo(a)pyrene
Concen: 3.98 ng/ul
RT: 24.67 min Scan# 3673
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

Tgt Ion:252 Resp: 132006

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.4	9.4	14.2

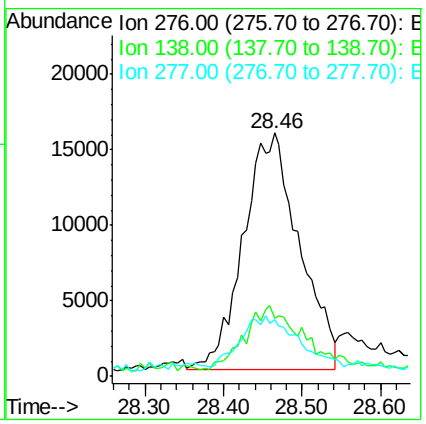




#28
Indeno(1,2,3-cd)pyrene
Concen: 2.12 ng/ul m
RT: 28.46 min Scan# 4319
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

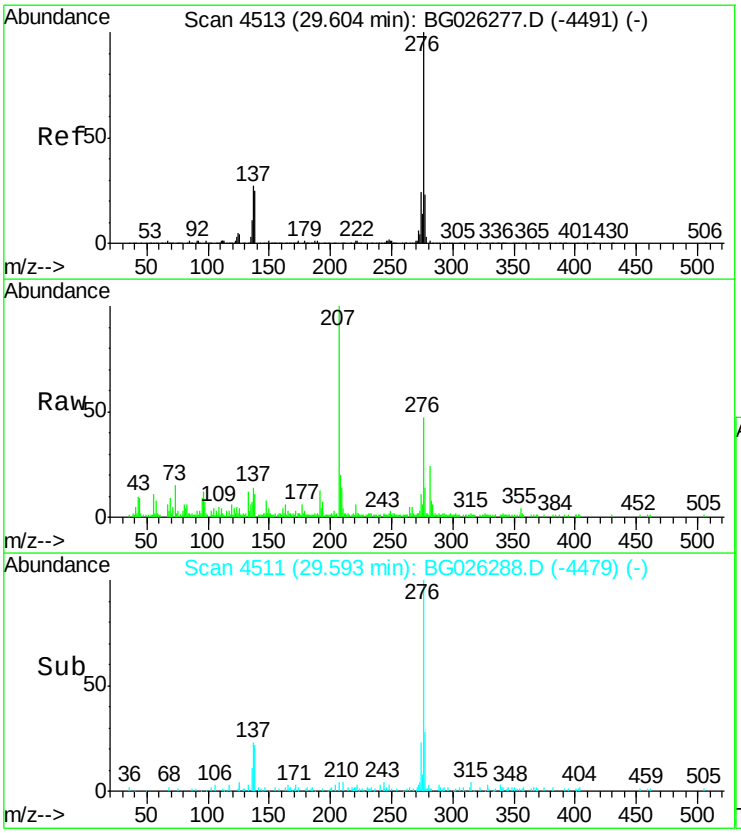
Tgt Ion:276 Resp: 77753

Ion	Ratio	Lower	Upper
276	100		
138	23.8	17.8	26.6
277	23.2	19.4	29.0



Instrument :
BNA_G
ClientSampleId :
CB2Z2

Manual Integrations APPROVED
mohammad
3/20/2017 12:54:46 PM



#30
Benzo(g,h,i)perylene
Concen: 2.04 ng/ul m
RT: 29.59 min Scan# 4511
Delta R.T. -0.01 min
Lab File: BG026288.D
Acq: 17 Mar 2017 18:38

Tgt Ion:276 Resp: 63820

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.0	28.4
277	30.1	19.7	29.5#