Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052516\
Data File : BG022068.D
Acq On : 25 May 2016 21:23
Operator : UM/SJ
Sample : H3203-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XJ2

Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

Quant Time: May 26 17:03:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 26 03:11:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	40852	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	216324	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.79	164	121788	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	232287	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	190523	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	186829	20.00	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.52	96	1467	1.65	ng/uL	0.00
3) Phenol-d5	7.32	99	88486	24.53	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	46454	24.18	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	77263	26.09	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	76801	23.90	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	40238	26.51	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	44733	27.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	76028	26.56	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	43612	19.35	ng/ul	0.00
16) Dimethylphthalate-d6	14.17	166	237246	25.26	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	328426	27.15	ng/ul	0.00
20) 4-Nitrophenol-d4	14.99	143	25261	15.29	ng/ul	0.00
21) Fluorene-d10	15.77	176	211617	25.04	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.90	200	30040	26.06	ng/ul	0.00
26) Anthracene-d10	17.62	188	284525	26.59	ng/ul	0.00
30) Pyrene-d10	19.90	212	273237	27.18	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	218626	26.35	ng/ul	0.00
Target Compounds						Qvalue
11) Naphthalene	11.02	128	15978	1.52	ng/ul	97
13) 2-Methylnaphthalene	12.62	142	10652	1.40	ng/ul	99
25) Phenanthrene	17.56	178	30720	2.47	ng/ul	96
28) Fluoranthene	19.57	202	46059	3.57	ng/ul#	98
31) Pyrene	19.93	202	43043m	3.28	ng/ul	
32) Benzo(a)anthracene	21.79	228	25025	2.37	ng/ul	93
33) Chrysene	21.85	228	34311	3.34	ng/ul#	94
35) Benzo(b)fluoranthene	24.08	252	47121	4.39	ng/ul#	91
36) Benzo(k)fluoranthene	24.14	252	13106m	1.24	ng/ul	
38) Benzo(a)pyrene	24.98	252	25747	2.51	ng/ul#	93
39) Indeno(1,2,3-cd)pyrene	28.94	276	22332m	1.91	ng/ul	
41) Benzo(g,h,i)perylene	30.16	276	18889m	1.91	ng/ul	

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

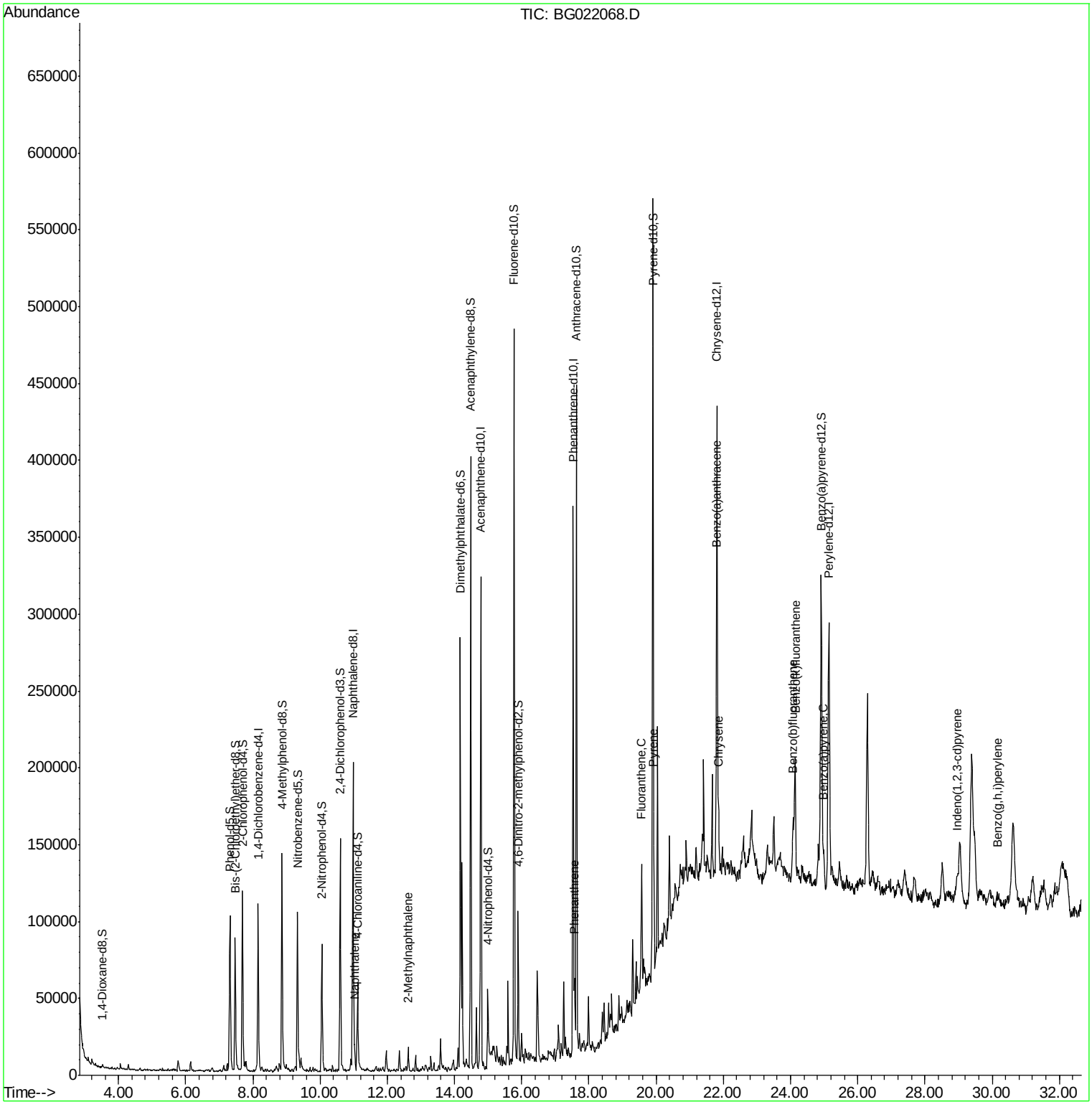
Quantitation Report (QT Reviewed)

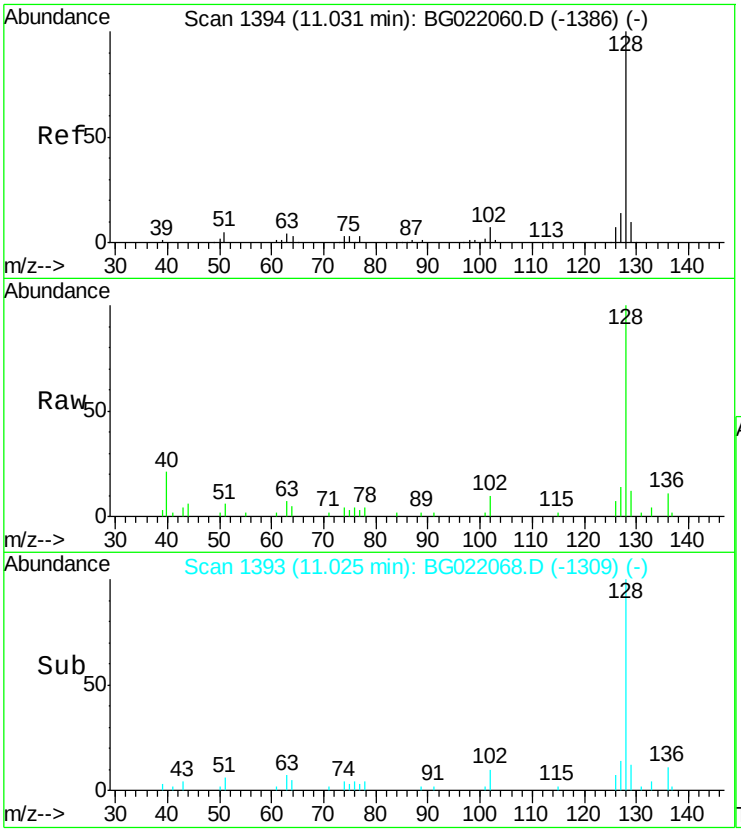
Data Path : Z:\HPCHEM1\BNA G\DATA\BG052516\
Data File : BG022068.D
Acq On : 25 May 2016 21:23
Operator : UM/SJ
Sample : H3203-18
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 26 17:03:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 26 03:11:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XJ2

Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

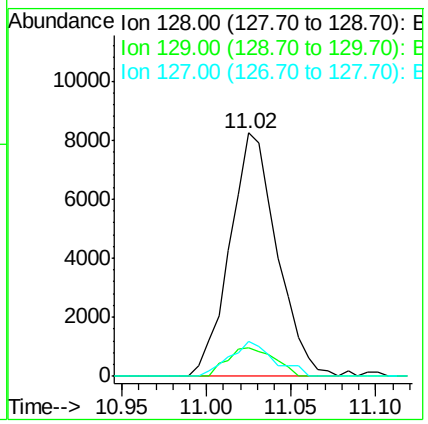




#11
Naphthalene
Concen: 1.52 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

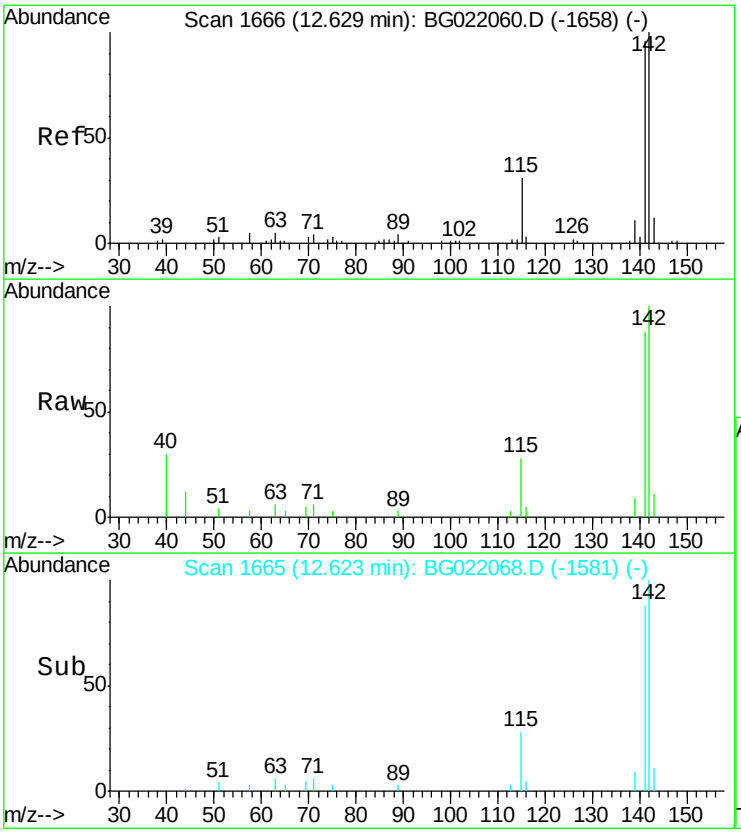
Tgt Ion:128 Resp: 15978

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.3	12.5
127	14.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
D9XJ2

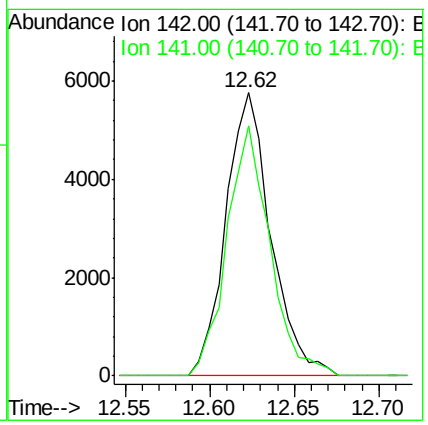
Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

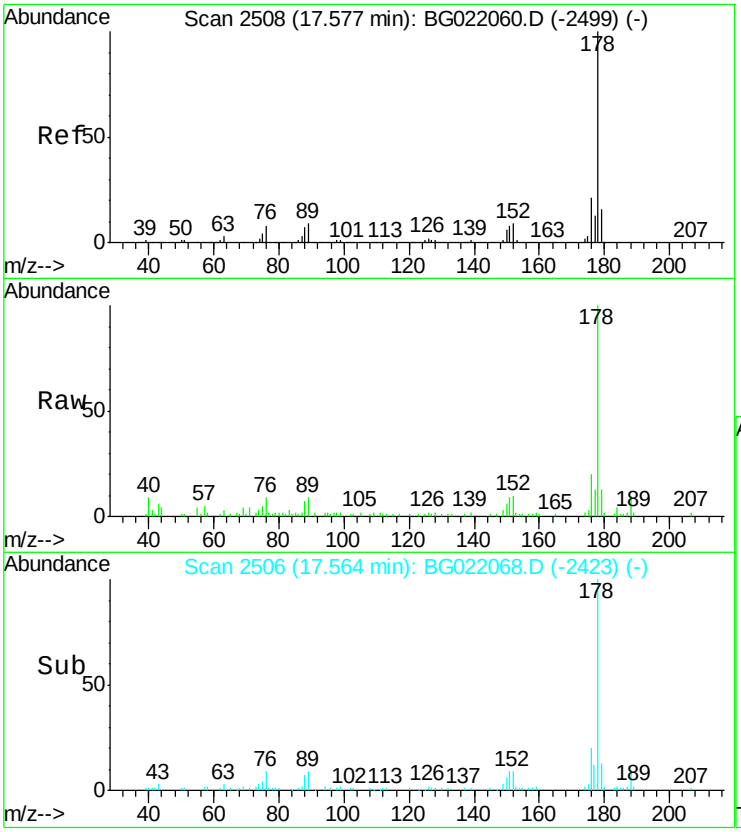


#13
2-Methylnaphthalene
Concen: 1.40 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:142 Resp: 10652

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9

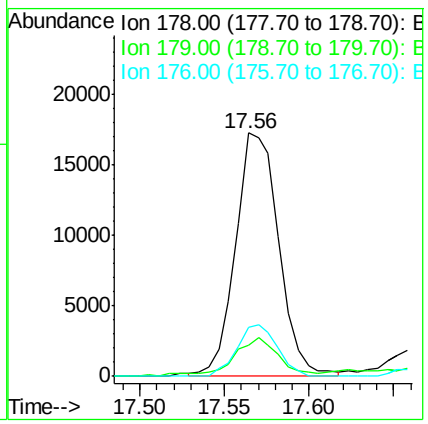




#25
Phenanthrene
Concen: 2.47 ng/ul
RT: 17.56 min Scan# 2506
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

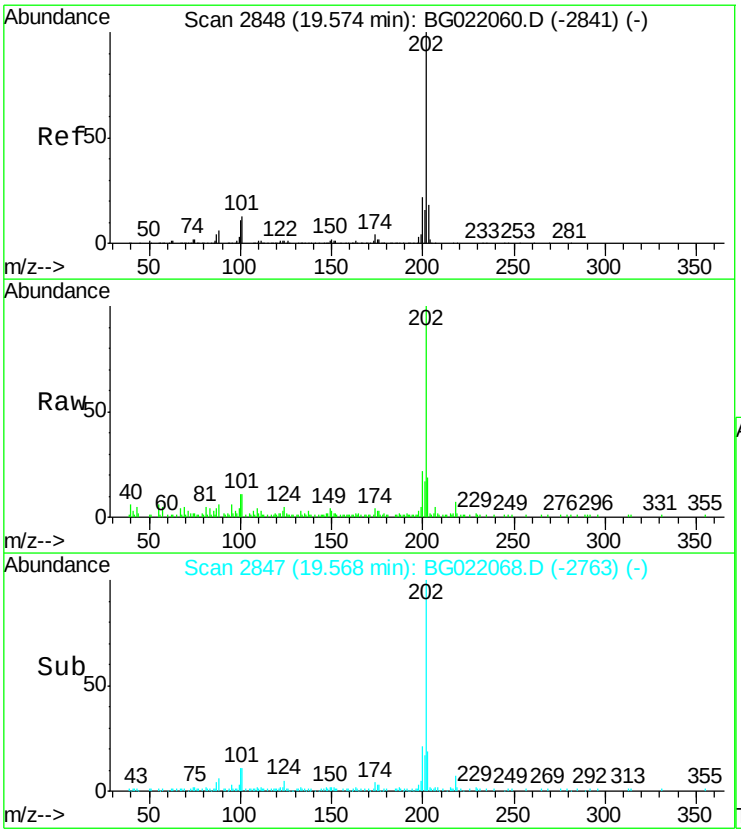
Tgt Ion:178 Resp: 30720

Ion	Ratio	Lower	Upper
178	100		
179	12.9	11.8	17.8
176	20.0	14.8	22.2



Instrument :
BNA_G
ClientSampleId :
D9XJ2

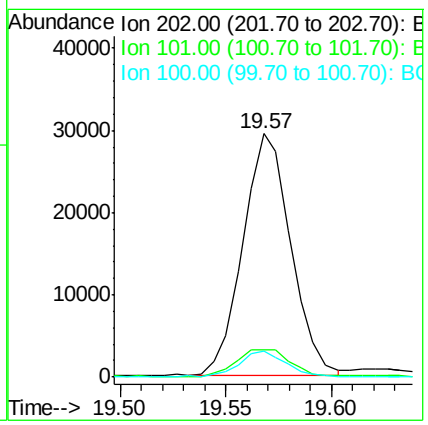
Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

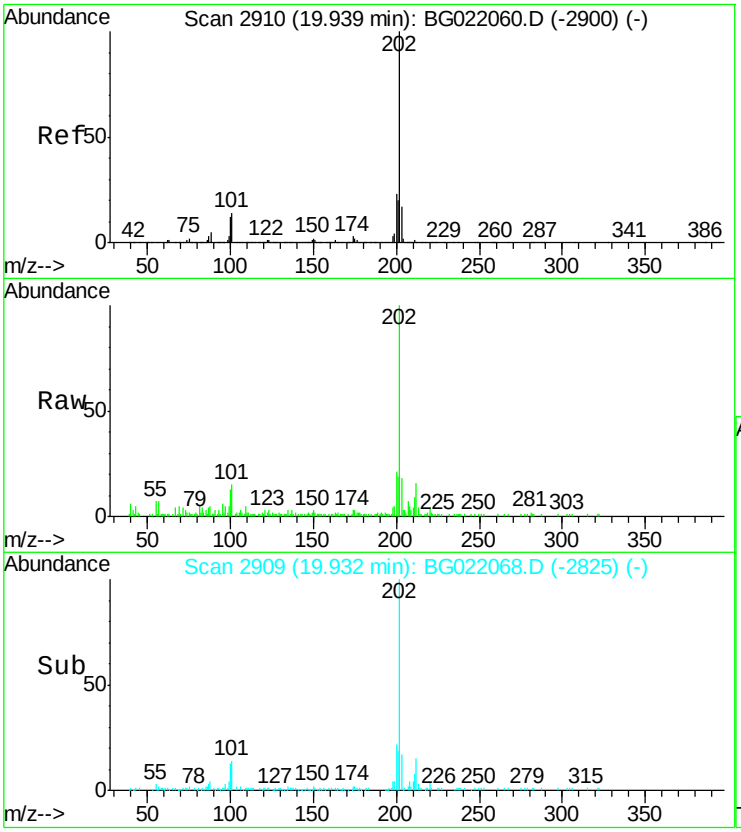


#28
Fluoranthene
Concen: 3.57 ng/ul
RT: 19.57 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:202 Resp: 46059

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	10.6	7.0	10.4#





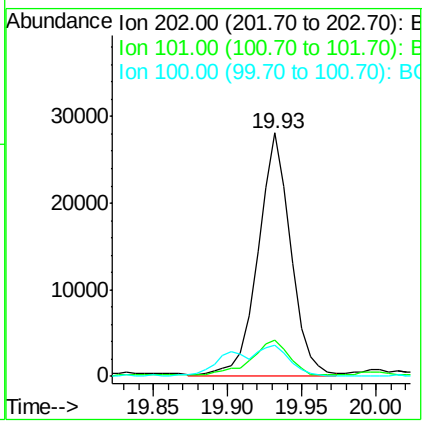
#31
Pyrene
Concen: 3.28 ng/ul m
RT: 19.93 min Scan# 2909
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

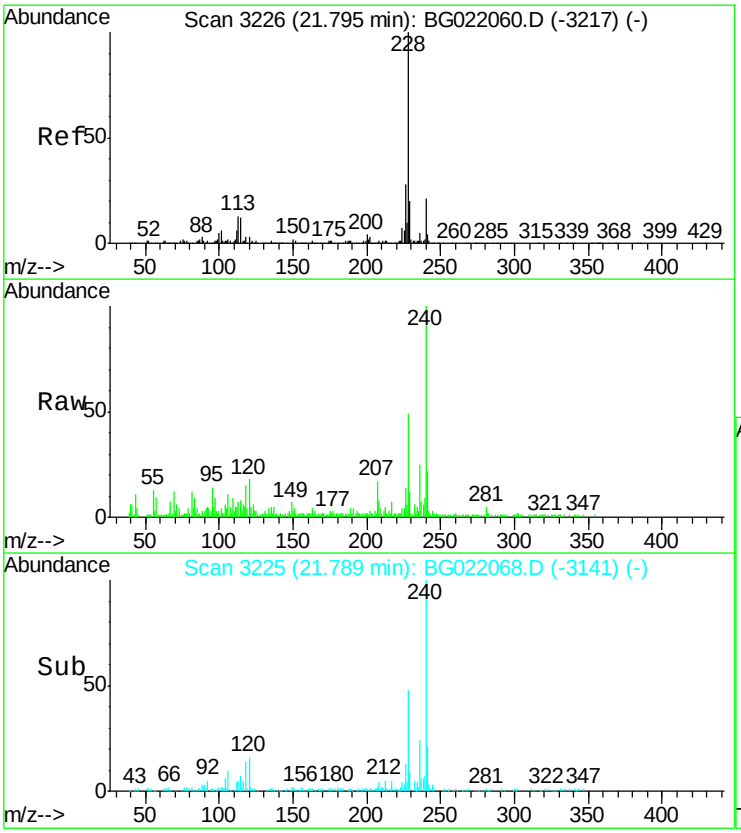
Tgt Ion:202 Resp: 43043

Ion	Ratio	Lower	Upper
202	100		
101	15.1	9.8	14.8#
100	12.6	9.3	13.9

Instrument :
BNA_G
ClientSampleId :
D9XJ2

Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

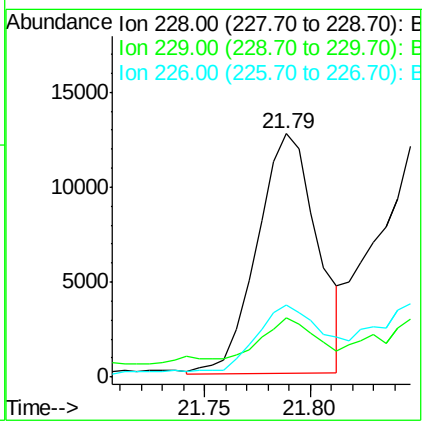


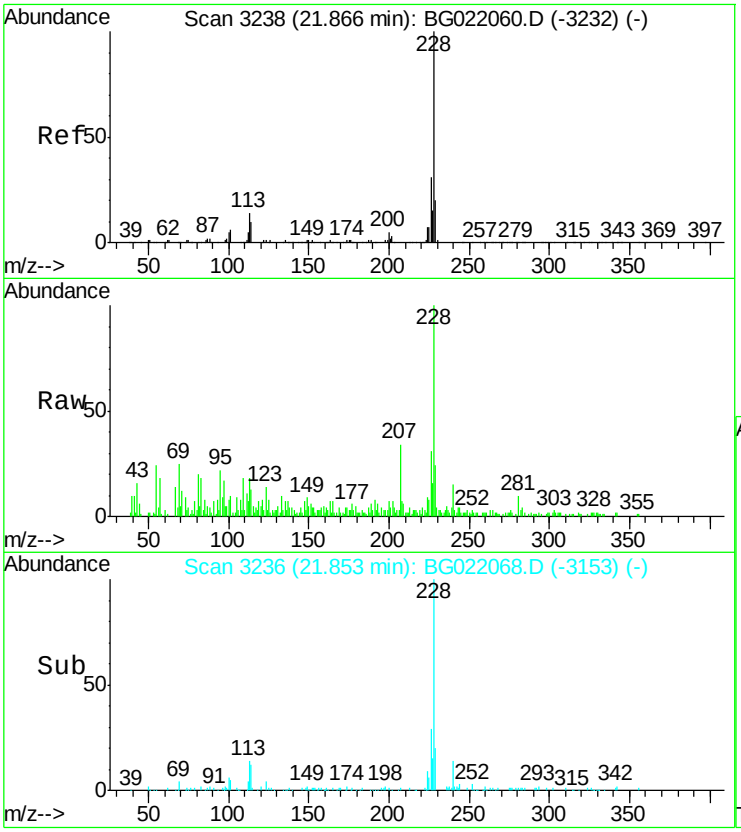


#32
Benzo(a)anthracene
Concen: 2.37 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:228 Resp: 25025

Ion	Ratio	Lower	Upper
228	100		
229	24.3	16.6	25.0
226	29.5	21.0	31.4

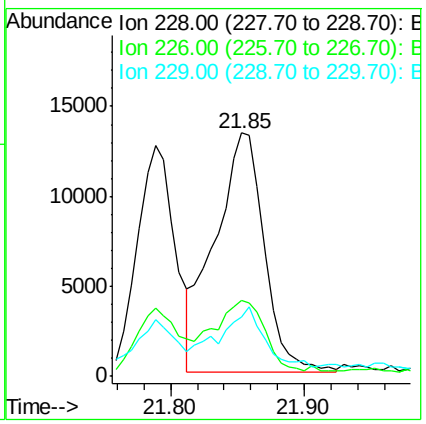




#33
Chrysene
Concen: 3.34 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

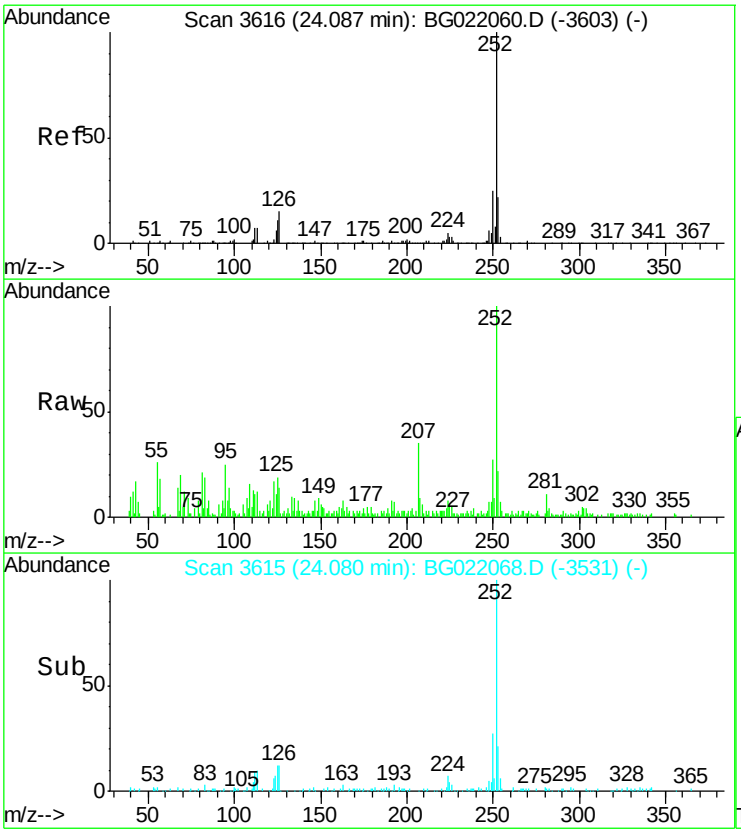
Tgt Ion:228 Resp: 34311

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	24.4	16.2	24.2#



Instrument :
BNA_G
ClientSampleId :
D9XJ2

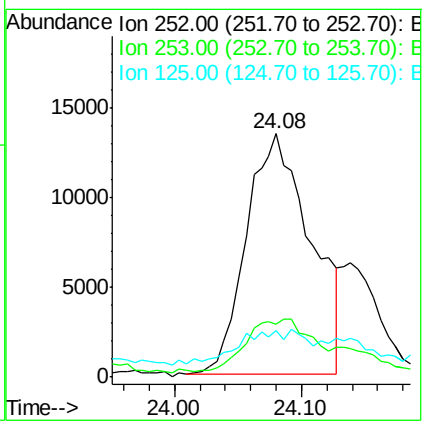
Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

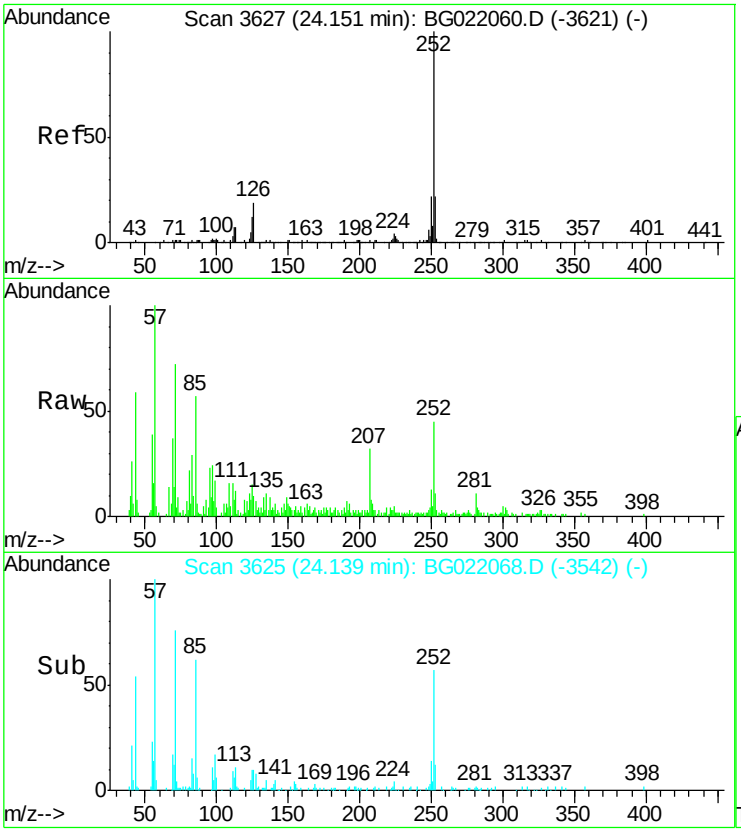


#35
Benzo(b)fluoranthene
Concen: 4.39 ng/ul
RT: 24.08 min Scan# 3615
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:252 Resp: 47121

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	19.1	7.6	11.4#

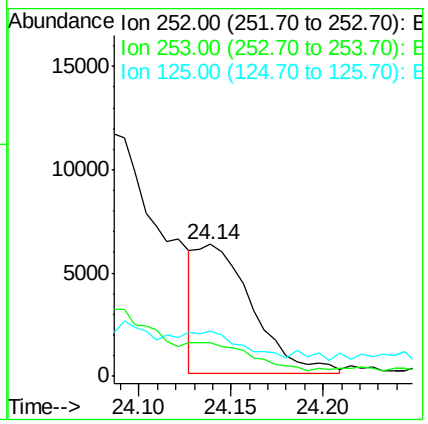




#36
Benzo(k)fluoranthene
Concen: 1.24 ng/ul m
RT: 24.14 min Scan# 3625
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

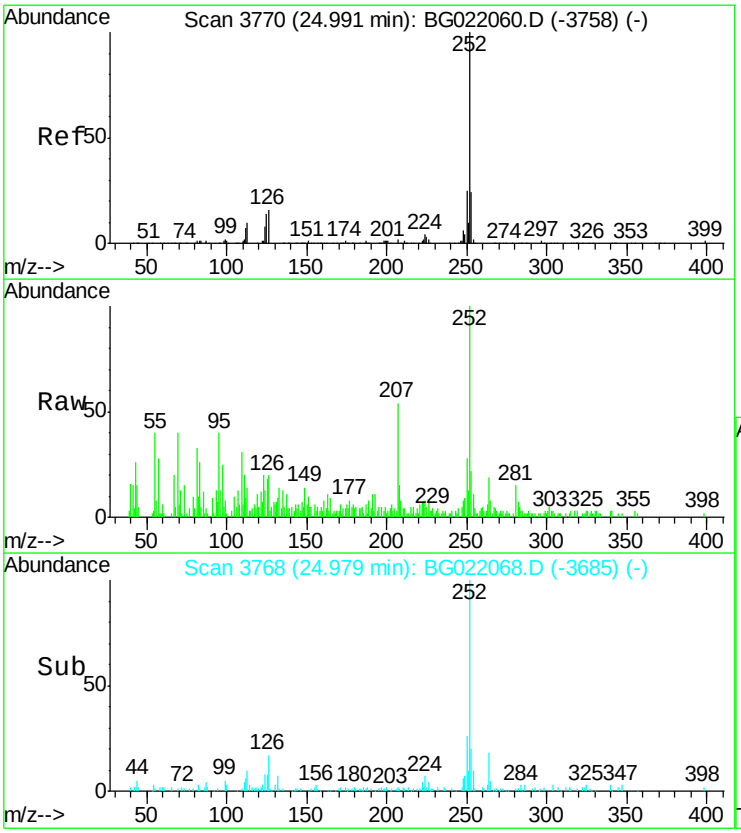
Tgt Ion:252 Resp: 13106

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	34.3	7.7	11.5#



Instrument :
BNA_G
ClientSampleId :
D9XJ2

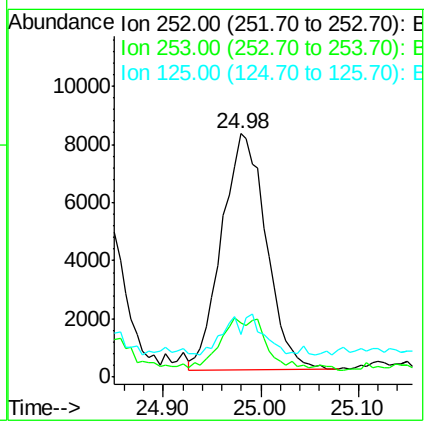
Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM

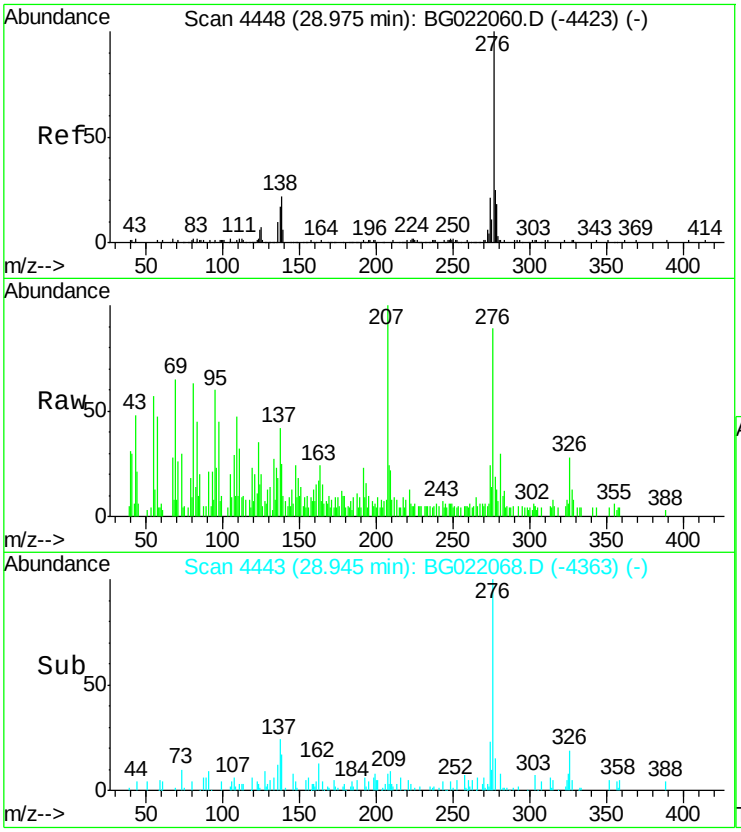


#38
Benzo(a)pyrene
Concen: 2.51 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:252 Resp: 25747

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	17.6	8.2	12.2#

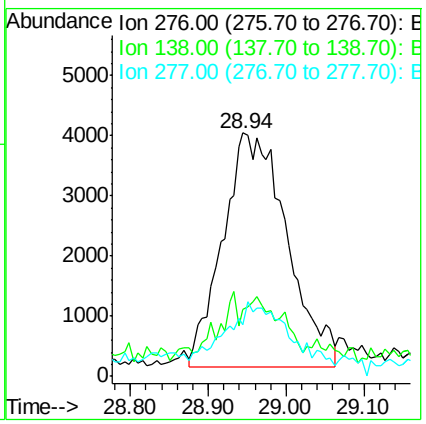




#39
Indeno(1,2,3-cd)pyrene
Concen: 1.91 ng/ul m
RT: 28.94 min Scan# 4443
Delta R.T. -0.03 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

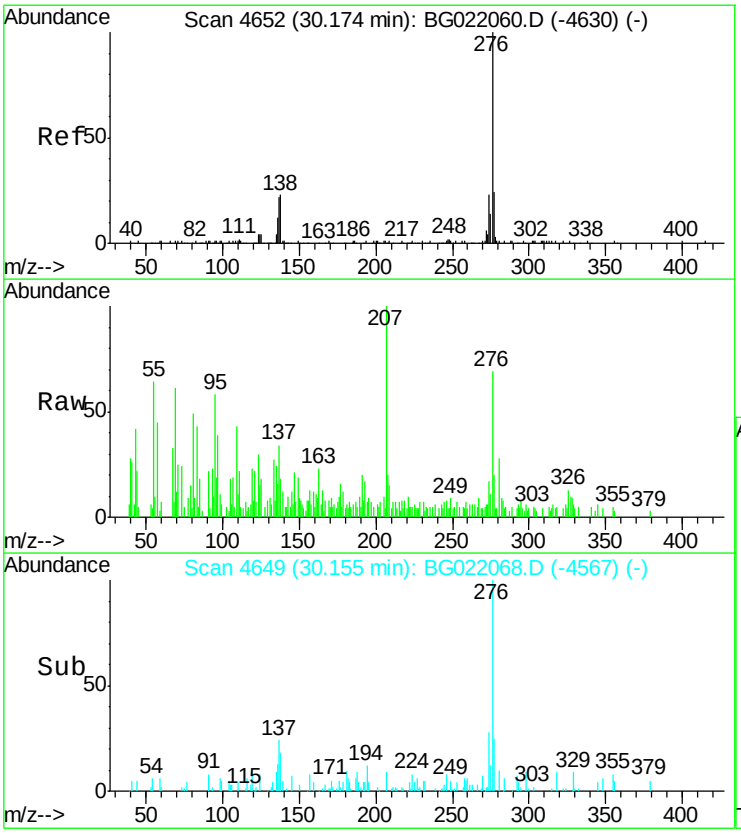
Tgt Ion:276 Resp: 22332

Ion	Ratio	Lower	Upper
276	100		
138	27.7	15.8	23.6#
277	21.1	19.0	28.6



Instrument :
BNA_G
ClientSampleId :
D9XJ2

Manual Integrations APPROVED
sohil
5/26/2016 6:42:54 PM



#41
Benzo(g,h,i)perylene
Concen: 1.91 ng/ul m
RT: 30.16 min Scan# 4649
Delta R.T. -0.02 min
Lab File: BG022068.D
Acq: 25 May 2016 21:23

Tgt Ion:276 Resp: 18889

Ion	Ratio	Lower	Upper
276	100		
138	26.6	13.9	20.9#
277	29.2	19.8	29.6