Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018233.D
Acq On : 2 Aug 2015 19:20
Operator : TP
Sample : G3073-21RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L5RE

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

Quant Time: Aug 11 17:17:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	86138	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	328941	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.17	164	147318	20.00	ng/ul	0.03
62) Phenanthrene-d10	16.93	188	272583m	20.00	ng/ul	0.02
78) Chrysene-d12	21.14	240	354444m	20.00	ng/ul	0.02
86) Perylene-d12	23.33	264	332967	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.96	96	2451	2.15	ng/uL	0.00
5) Phenol-d5	6.69	99	122801	15.85	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.83	67	63844	16.13	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	109419	18.70	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	91758	14.55	ng/ul	0.02
19) Nitrobenzene-d5	8.65	128	58751	22.67	ng/ul	0.02
22) 2-Nitrophenol-d4	9.36	143	54625	18.37	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	108628	20.67	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	51929	7.93	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	255921	22.48	ng/ul	0.01
47) Acenaphthylene-d8	13.86	160	237645	18.00	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.17	176	163978	15.92	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.39	200	800	0.42	ng/ul	0.10
71) Anthracene-d10	17.02	188	200243	16.89	ng/ul	0.02
79) Pyrene-d10	19.34	212	206871m	12.06	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.19	264	231948	13.78	ng/ul	0.04
Target Compounds						Qvalue
28) Naphthalene	10.32	128	115671	7.30	ng/ul	96
34) 2-Methylnaphthalene	11.95	142	61101	4.87	ng/ul	96
45) Dimethylphthalate	13.63	163	103820	9.17	ng/ul#	96
50) Acenaphthene	14.24	153	42981	5.03	ng/ul	94
54) Dibenzofuran	14.57	168	36095	2.81	ng/ul#	55
59) Fluorene	15.23	166	38439	3.46	ng/ul#	81
70) Phenanthrene	16.97	178	157022	11.34	ng/ul	95
72) Anthracene	17.06	178	39496m	2.87	ng/ul	
77) Fluoranthene	19.00	202	309817m	20.37	ng/ul	
80) Pyrene	19.37	202	296594m	13.80	ng/ul	
83) Benzo(a)anthracene	21.12	228	142781m	7.48	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.05	149	64668m	5.49	ng/ul	
85) Chrysene	21.17	228	175074m	10.01	ng/ul	
88) Benzo(b)fluoranthene	22.67	252	283782	14.19	ng/ul#	77
89) Benzo(k)fluoranthene	22.71	252	88825m	4.83	ng/ul	
91) Benzo(a)pyrene	23.23	252	169584	9.48	ng/ul#	74
92) Indeno(1,2,3-cd)pyrene	25.54	276	76698	3.70	ng/ul#	86
94) Benzo(g,h,i)perylene	26.22	276	62767m	3.71	ng/ul	

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

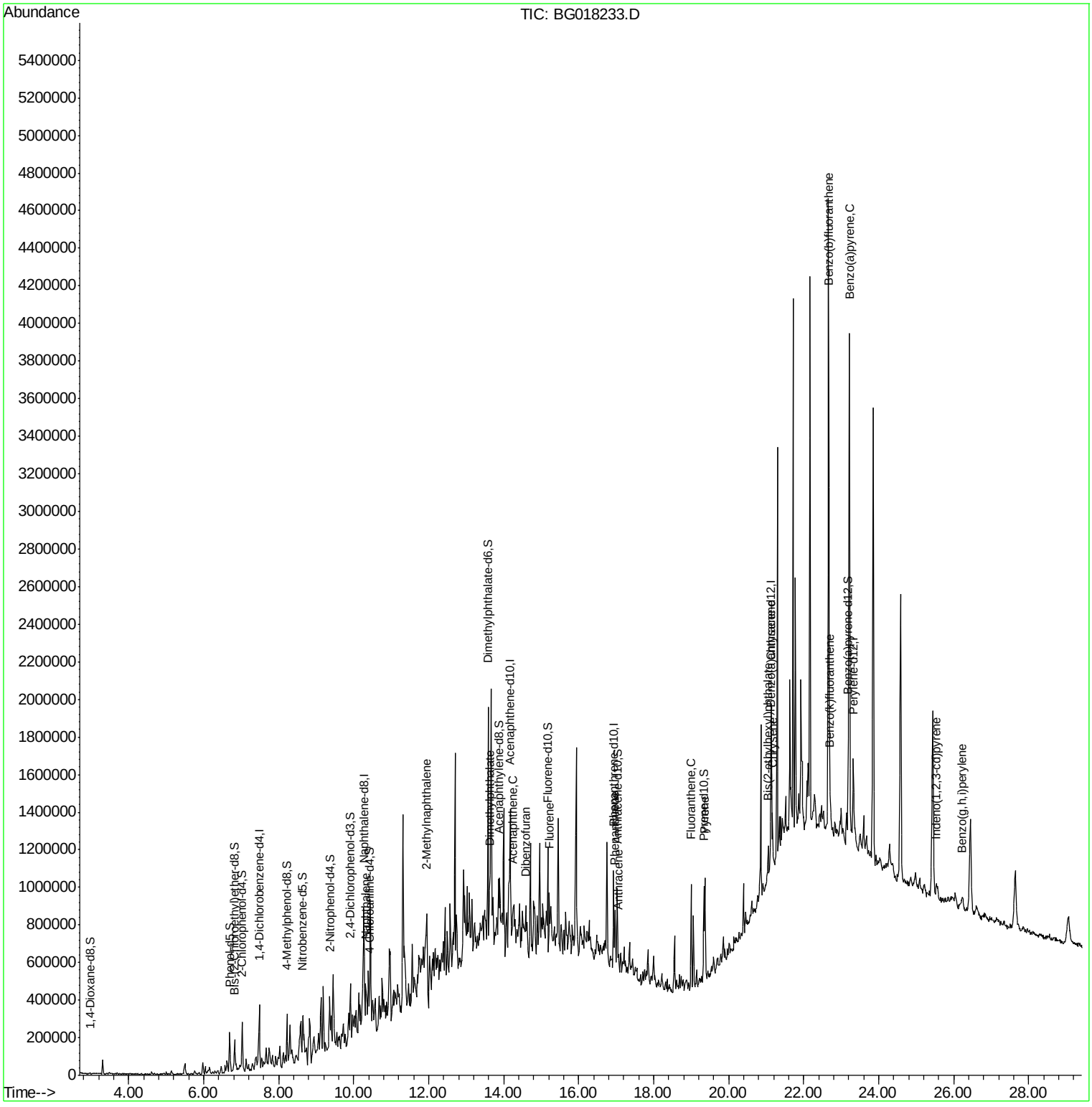
Quantitation Report (LSC Reviewed)

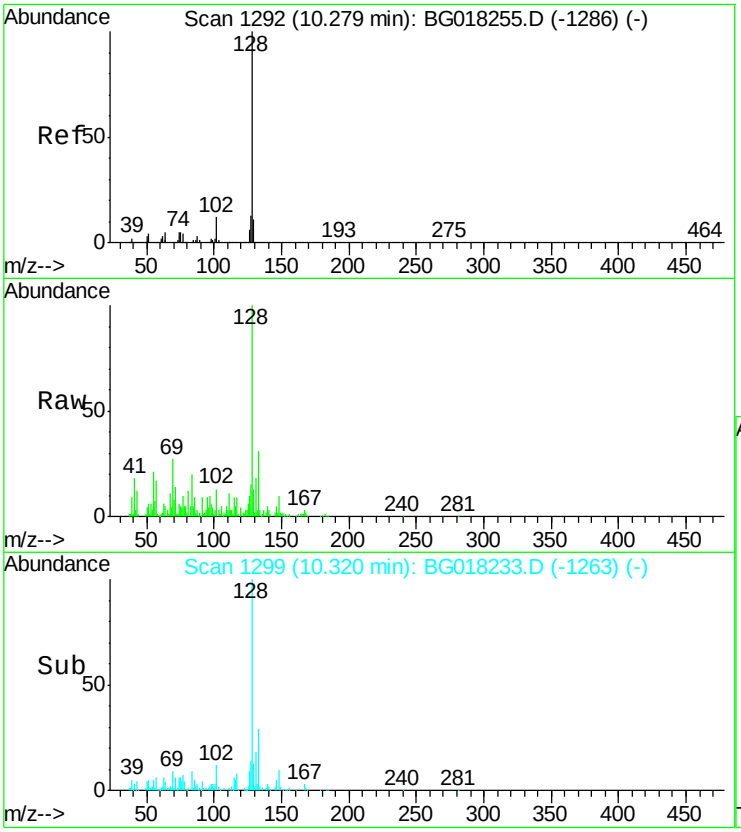
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018233.D
Acq On : 2 Aug 2015 19:20
Operator : TP
Sample : G3073-21RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 11 17:17:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02L5RE

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

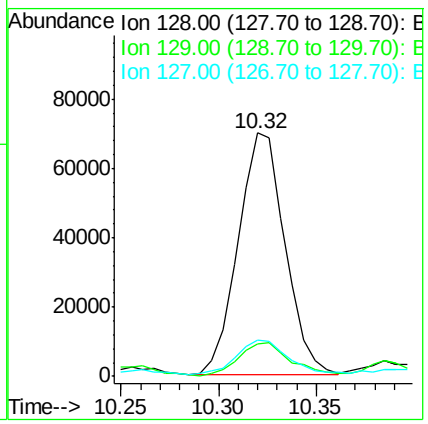




#28
Naphthalene
Concen: 7.30 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

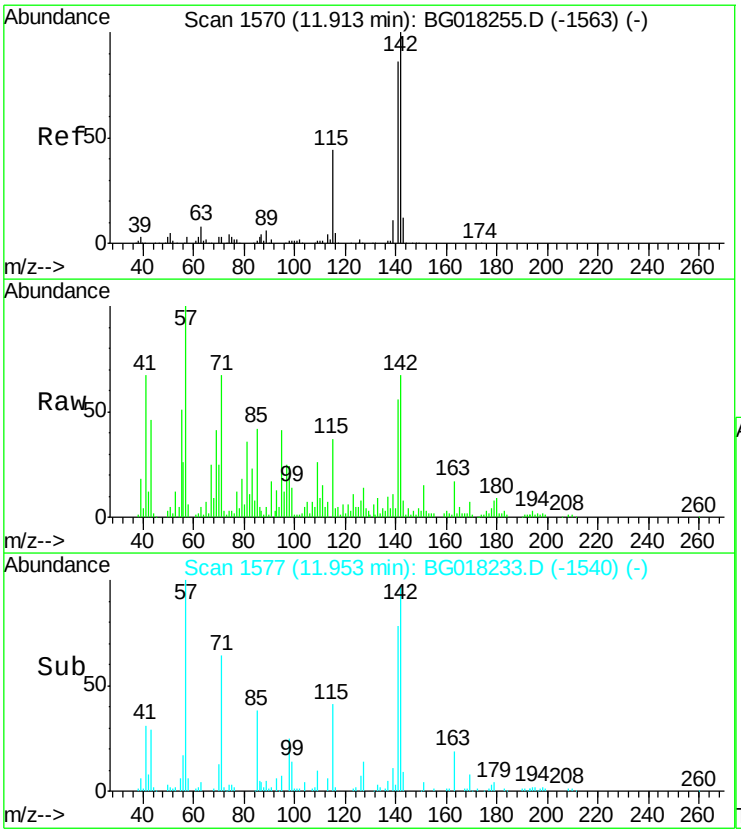
Tgt Ion:128 Resp: 115671

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.1	13.7
127	15.1	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
C02L5RE

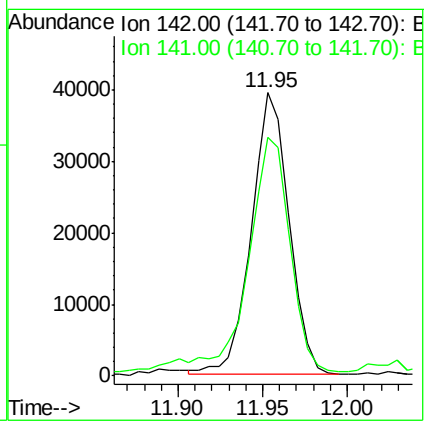
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

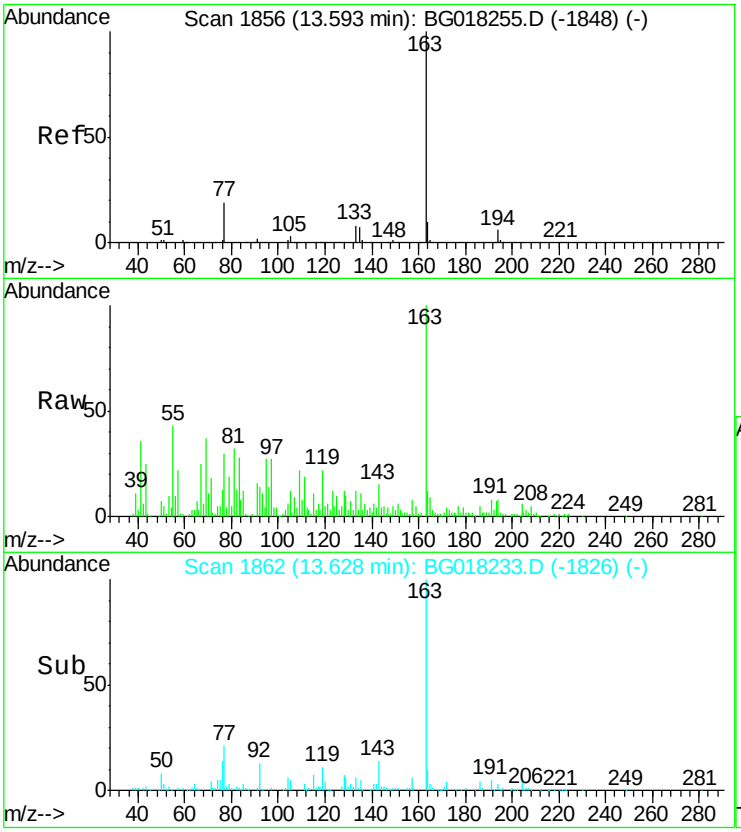


#34
2-Methylnaphthalene
Concen: 4.87 ng/ul
RT: 11.95 min Scan# 1577
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:142 Resp: 61101

Ion	Ratio	Lower	Upper
142	100		
141	84.3	70.3	105.5

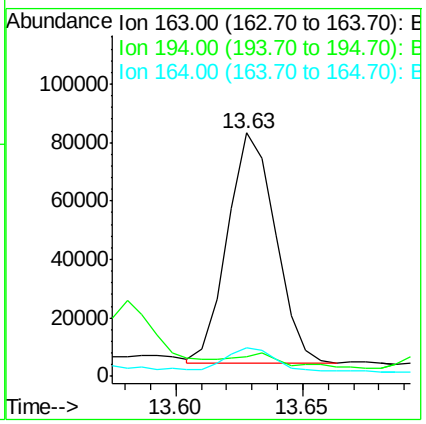




#45
Dimethylphthalate
Concen: 9.17 ng/ul
RT: 13.63 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

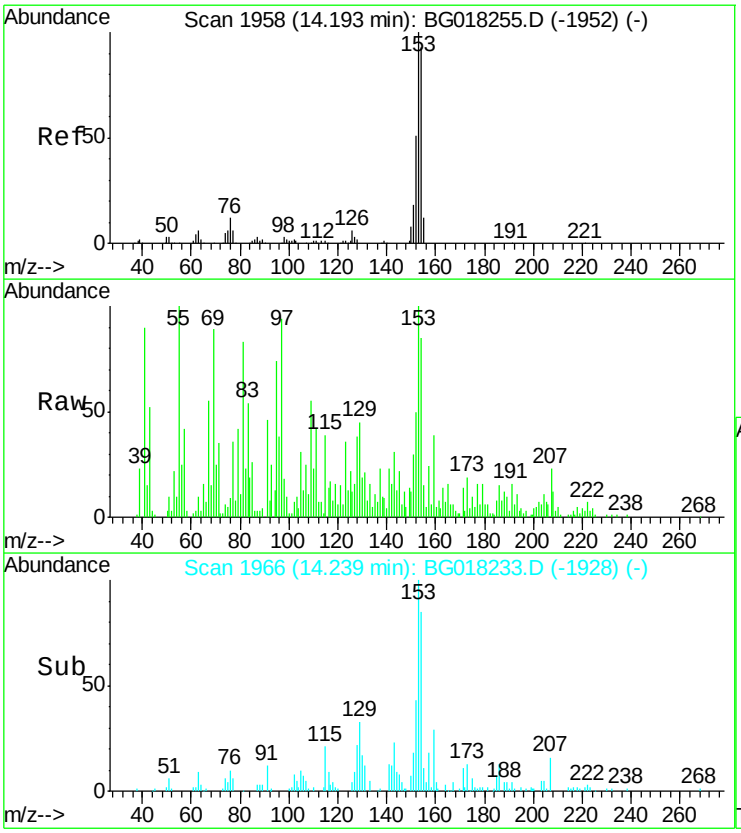
Tgt Ion:163 Resp: 103820

Ion	Ratio	Lower	Upper
163	100		
194	8.3	5.2	7.8#
164	11.8	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
C02L5RE

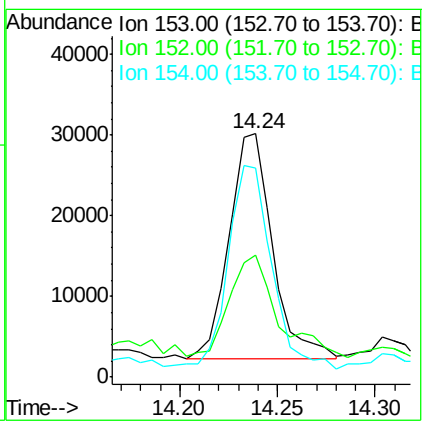
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

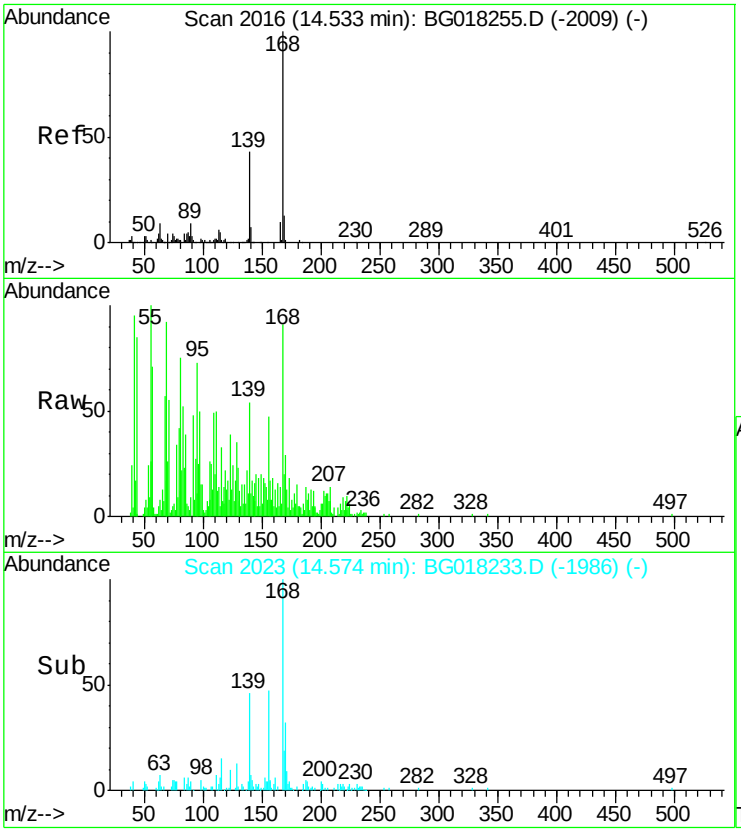


#50
Acenaphthene
Concen: 5.03 ng/ul
RT: 14.24 min Scan# 1966
Delta R.T. 0.03 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:153 Resp: 42981

Ion	Ratio	Lower	Upper
153	100		
152	50.3	38.7	58.1
154	85.8	74.8	112.2





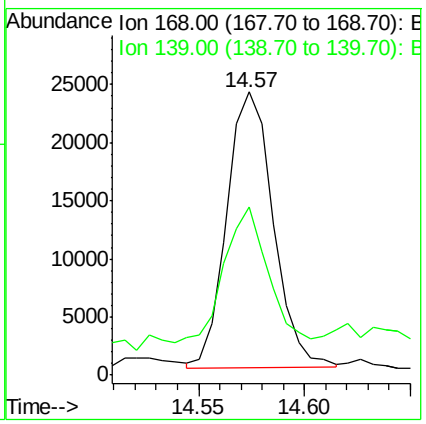
#54
Dibenzofuran
Concen: 2.81 ng/ul
RT: 14.57 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

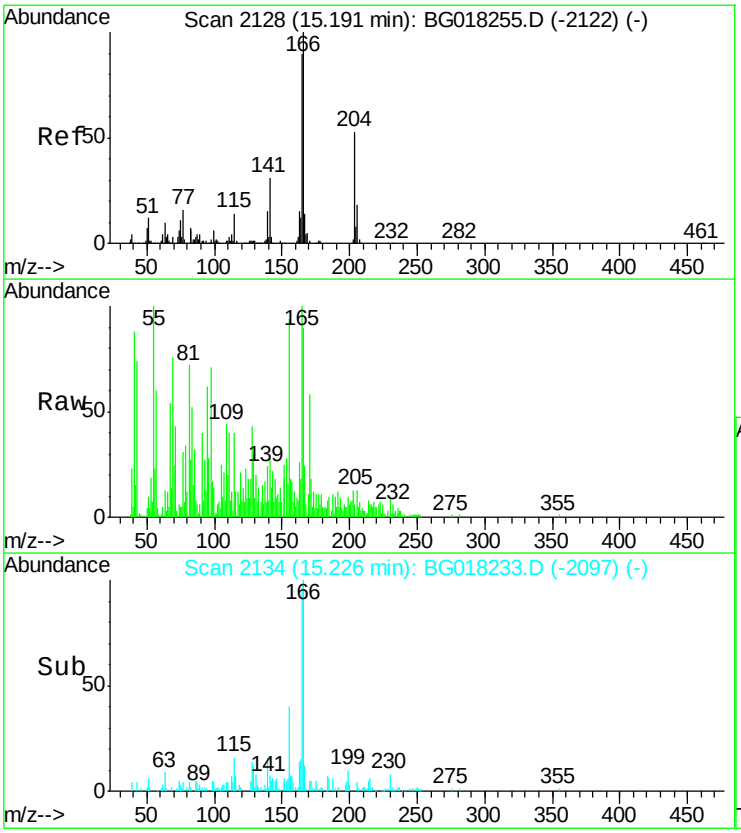
Tgt Ion:168 Resp: 36095

Ion	Ratio	Lower	Upper
168	100		
139	59.3	26.8	40.2#

Instrument :
BNA_G
ClientSampleId :
C02L5RE

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

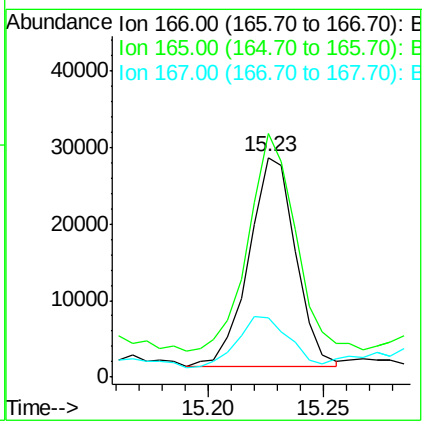


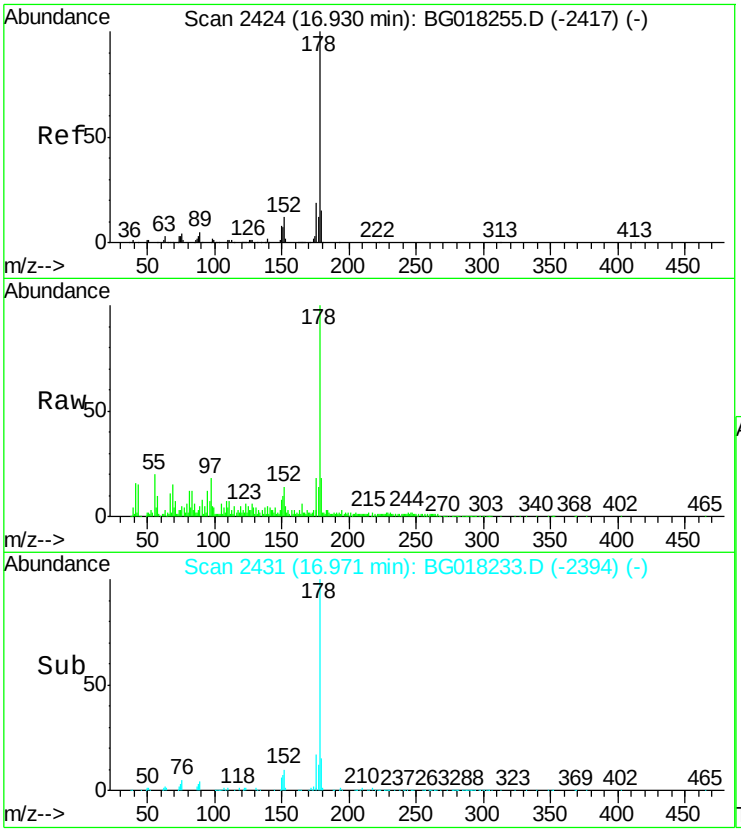


#59
Fluorene
Concen: 3.46 ng/ul
RT: 15.23 min Scan# 2134
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:166 Resp: 38439

Ion	Ratio	Lower	Upper
166	100		
165	110.8	75.1	112.7
167	26.9	11.8	17.6#

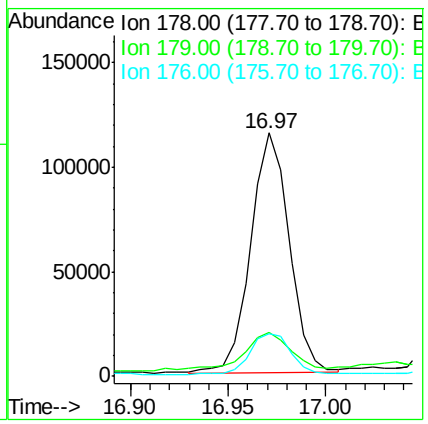




#70
Phenanthrene
Concen: 11.34 ng/ul
RT: 16.97 min Scan# 2431
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

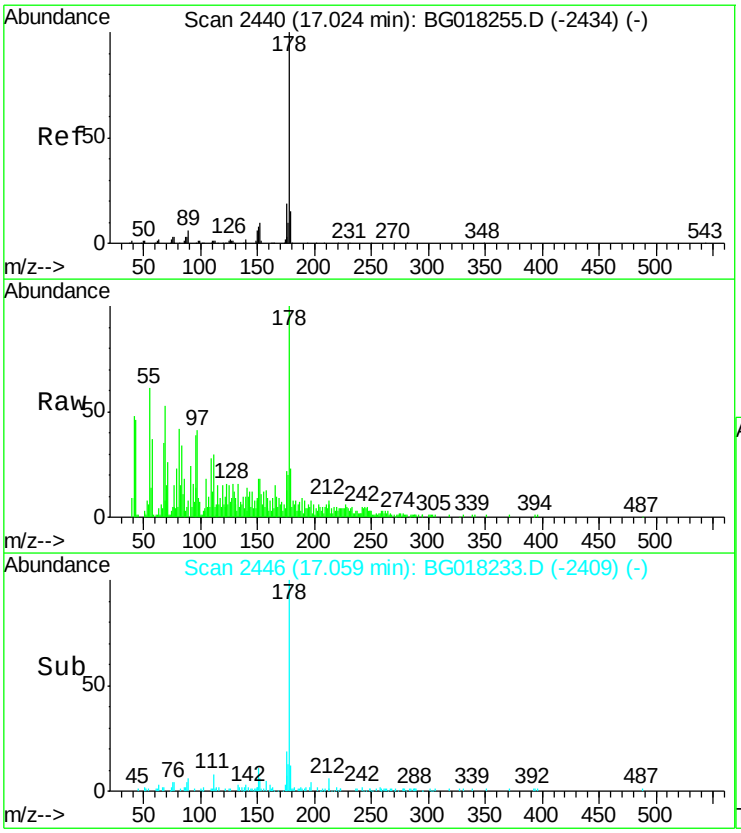
Tgt Ion:178 Resp: 157022

Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.8	19.2
176	17.7	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
C02L5RE

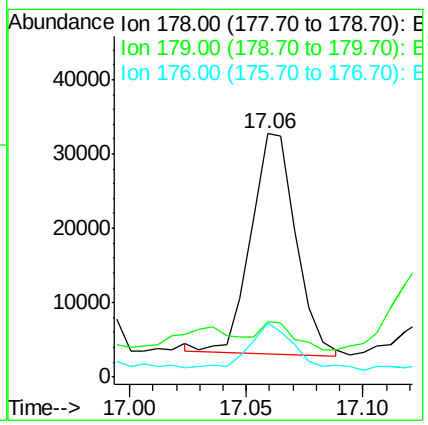
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

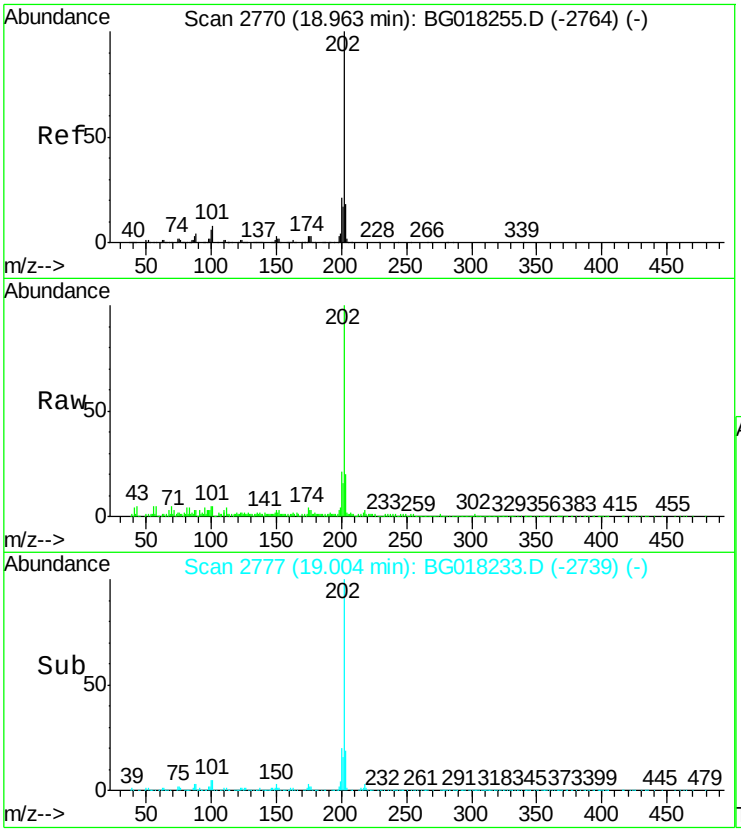


#72
Anthracene
Concen: 2.87 ng/ul m
RT: 17.06 min Scan# 2446
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:178 Resp: 39496

Ion	Ratio	Lower	Upper
178	100		
179	22.6	12.2	18.2#
176	22.5	14.8	22.2#





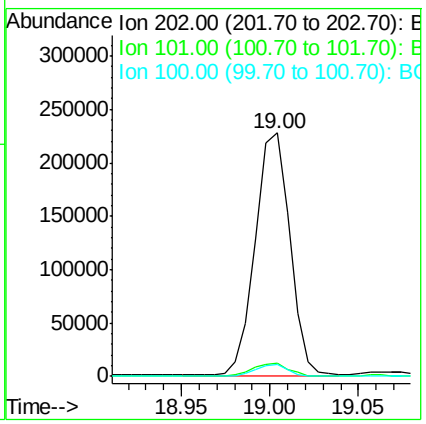
#77
Fluoranthene
Concen: 20.37 ng/ul m
RT: 19.00 min Scan# 2777
Delta R.T. 0.03 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

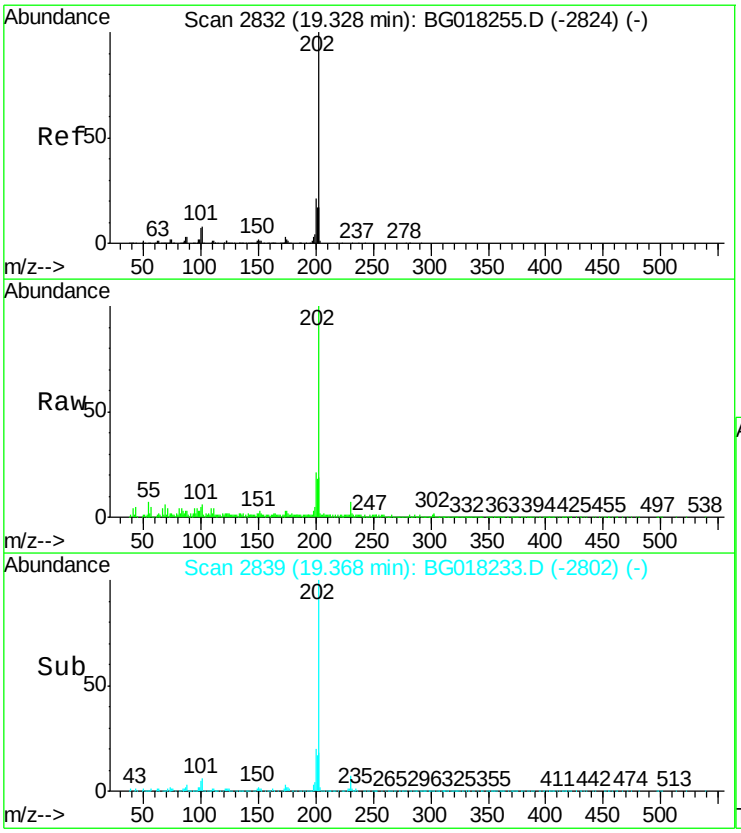
Tgt Ion:202 Resp: 309817

Ion	Ratio	Lower	Upper
202	100		
101	5.3	7.5	11.3#
100	4.8	5.5	8.3#

Instrument :
BNA_G
ClientSampleId :
C02L5RE

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

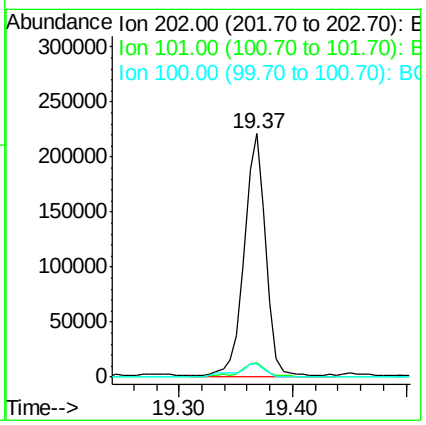


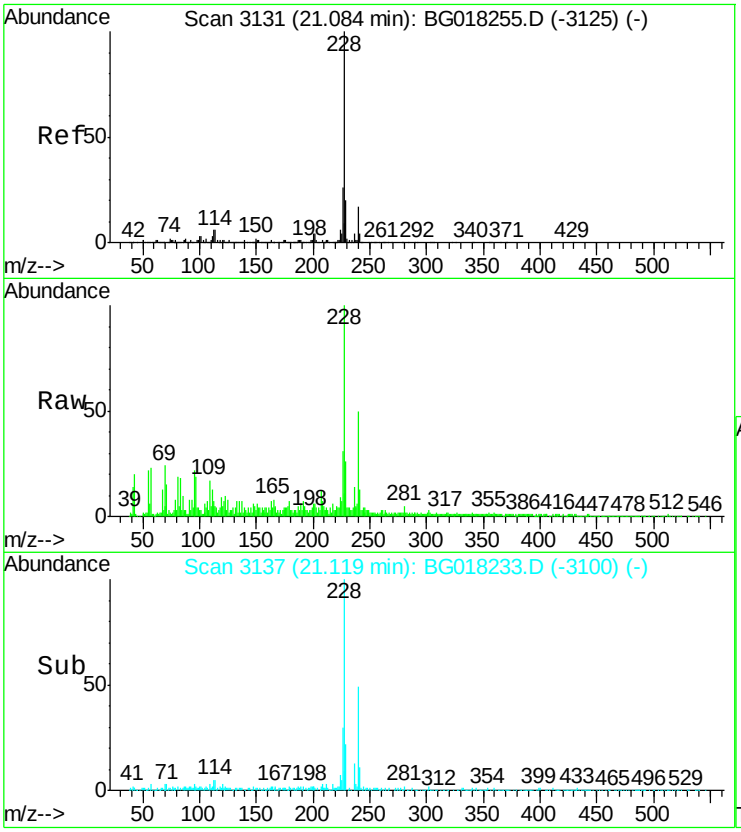


#80
Pyrene
Concen: 13.80 ng/ul m
RT: 19.37 min Scan# 2839
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:202 Resp: 296594

Ion	Ratio	Lower	Upper
202	100		
101	6.2	8.1	12.1#
100	5.4	7.4	11.0#

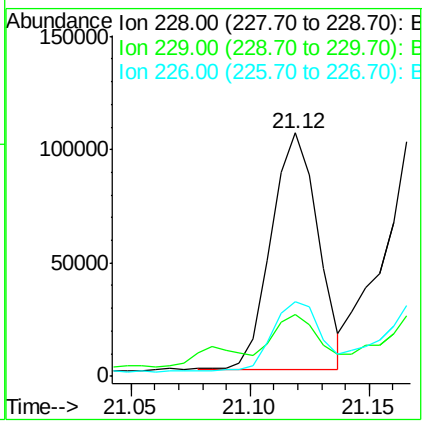




#83
Benzo(a)anthracene
Concen: 7.48 ng/ul m
RT: 21.12 min Scan# 3137
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

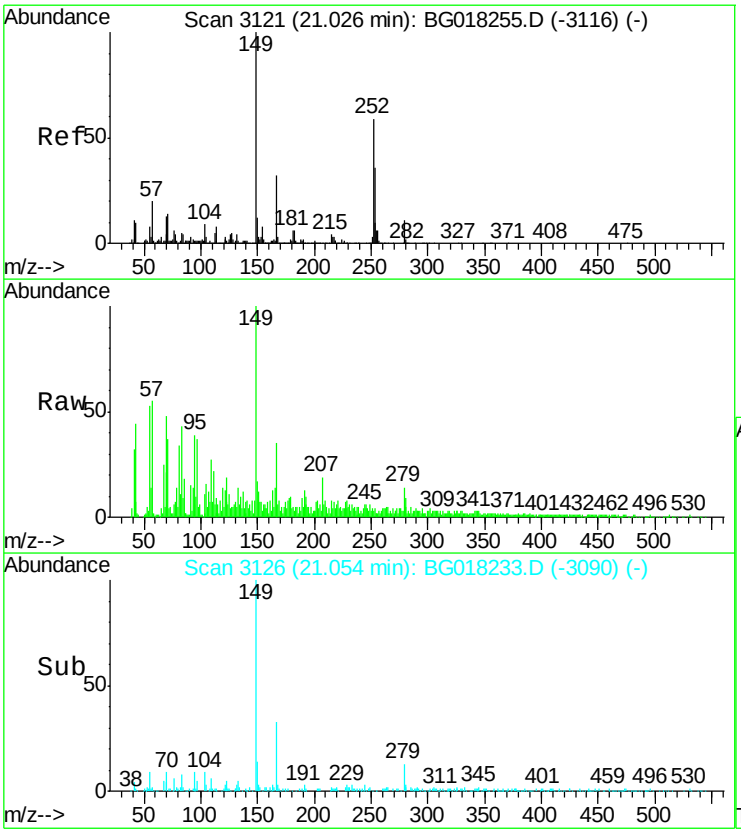
Tgt Ion:228 Resp: 142781

Ion	Ratio	Lower	Upper
228	100		
229	25.6	16.5	24.7#
226	30.6	21.5	32.3



Instrument :
BNA_G
ClientSampleId :
C02L5RE

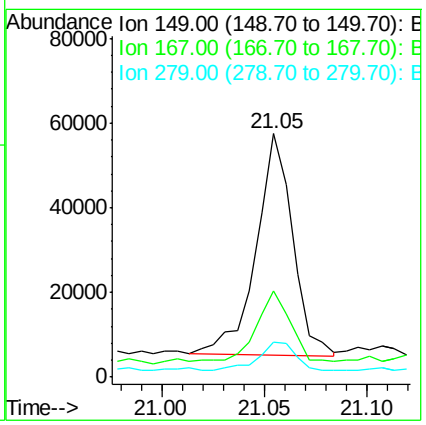
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

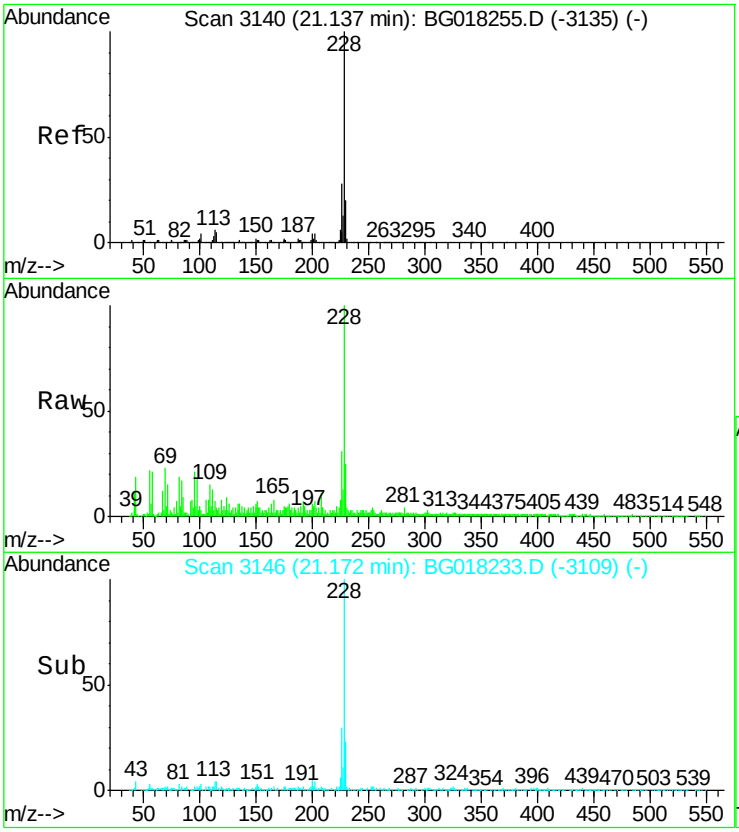


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.49 ng/ul m
RT: 21.05 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:149 Resp: 64668

Ion	Ratio	Lower	Upper
149	100		
167	35.3	27.4	41.2
279	14.4	8.3	12.5#

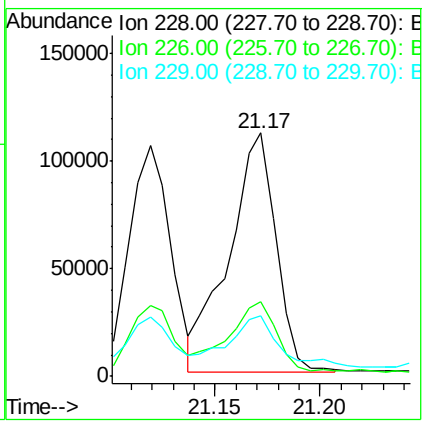




#85
Chrysene
Concen: 10.01 ng/ul m
RT: 21.17 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

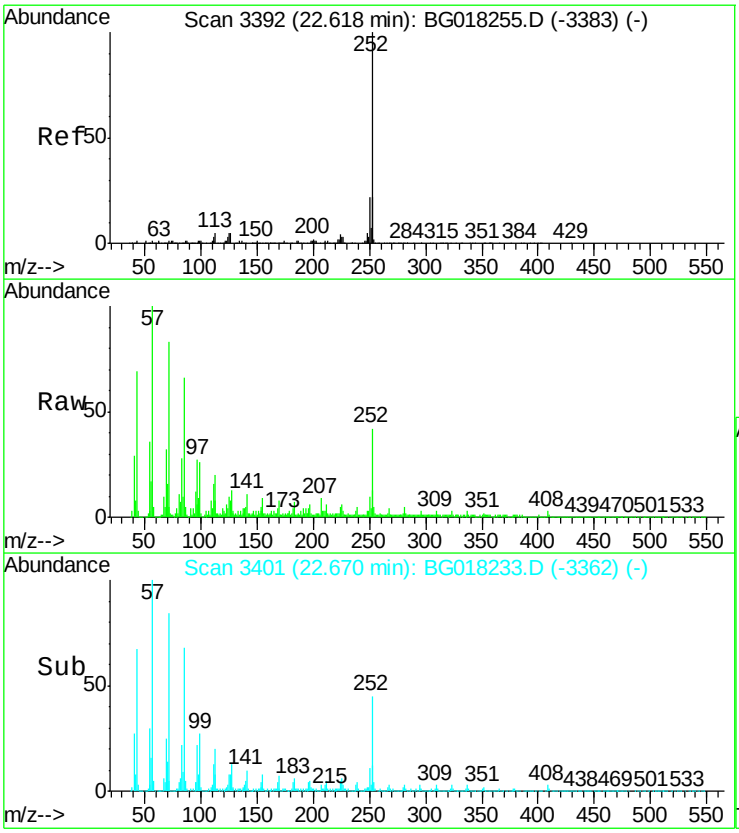
Tgt Ion:228 Resp: 175074

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.7	34.1
229	25.1	16.2	24.2#



Instrument :
BNA_G
ClientSampleId :
C02L5RE

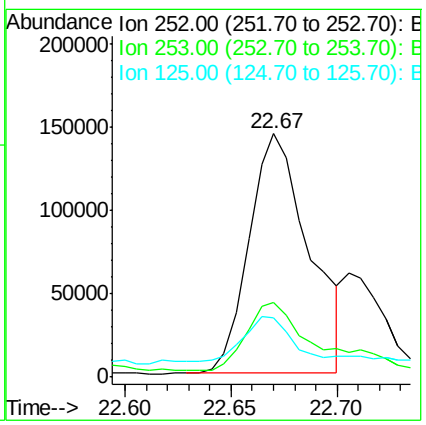
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

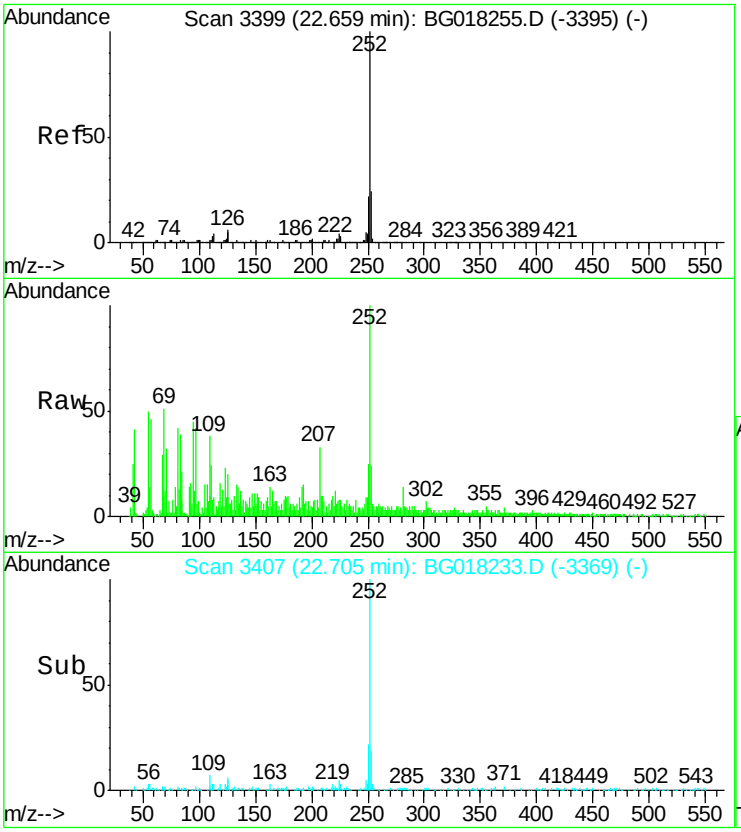


#88
Benzo(b)fluoranthene
Concen: 14.19 ng/ul
RT: 22.67 min Scan# 3401
Delta R.T. 0.03 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:252 Resp: 283782

Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.5	27.7#
125	24.5	7.4	11.0#

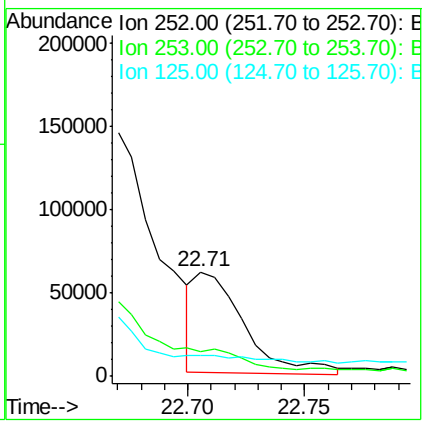




#89
Benzo(k)fluoranthene
Concen: 4.83 ng/ul m
RT: 22.71 min Scan# 3407
Delta R.T. 0.03 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

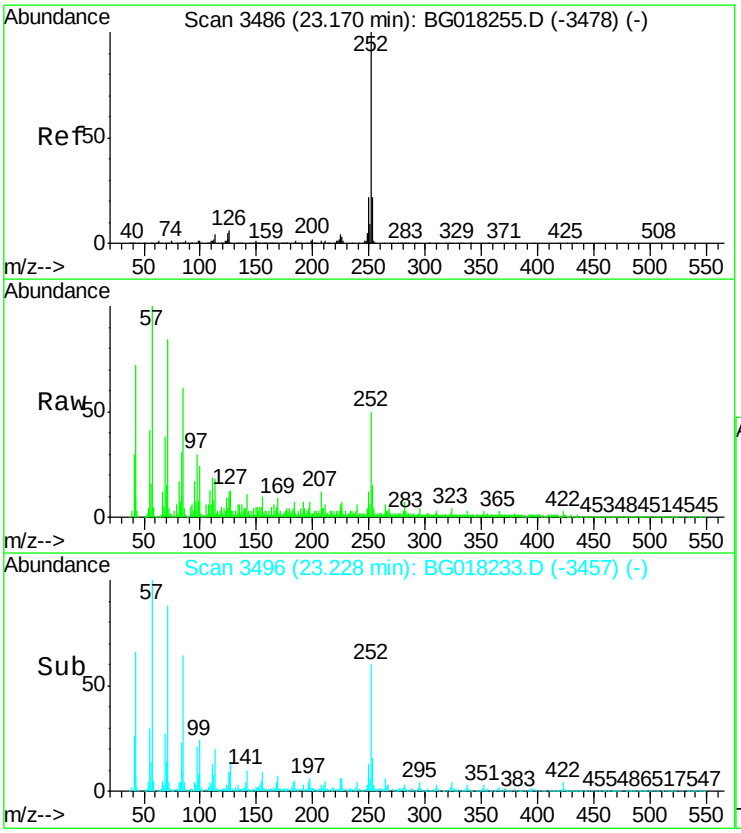
Tgt Ion:252 Resp: 88825

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	20.2	7.5	11.3#



Instrument :
BNA_G
ClientSampleId :
C02L5RE

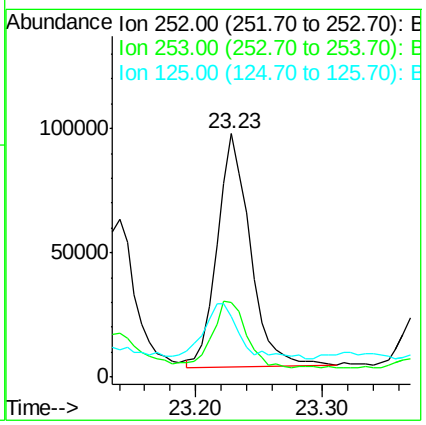
Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM

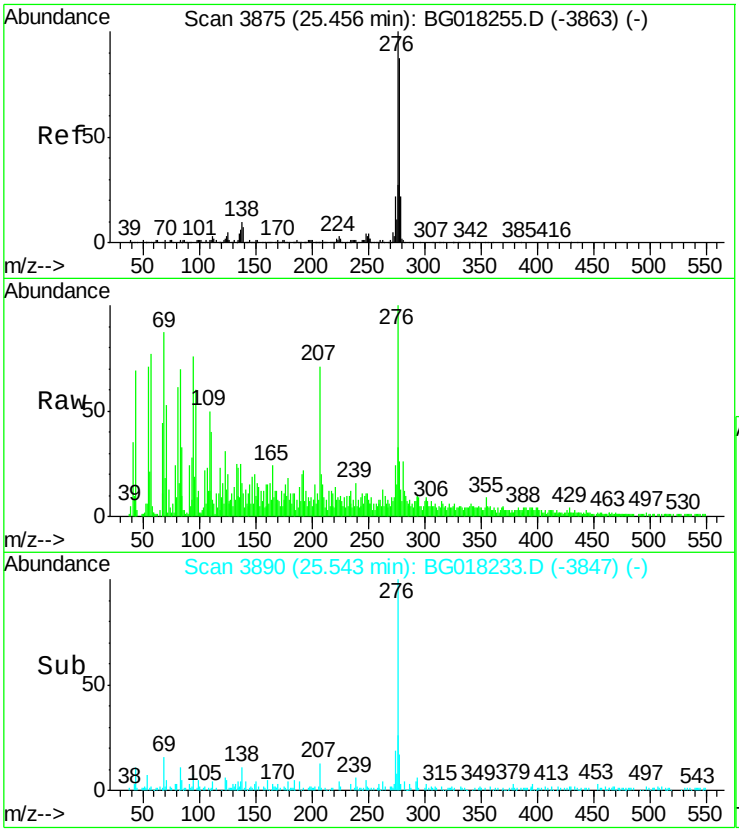


#91
Benzo(a)pyrene
Concen: 9.48 ng/ul
RT: 23.23 min Scan# 3496
Delta R.T. 0.03 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:252 Resp: 169584

Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.4	26.2#
125	24.9	7.3	10.9#





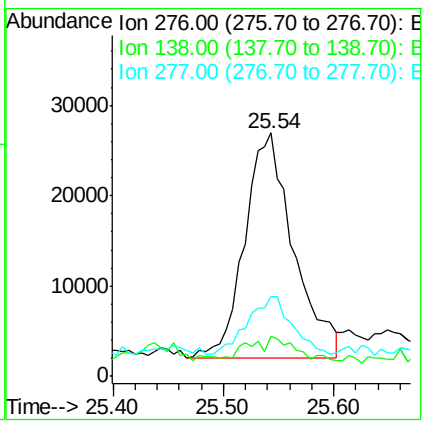
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.70 ng/ul
RT: 25.54 min Scan# 3890
Delta R.T. 0.06 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

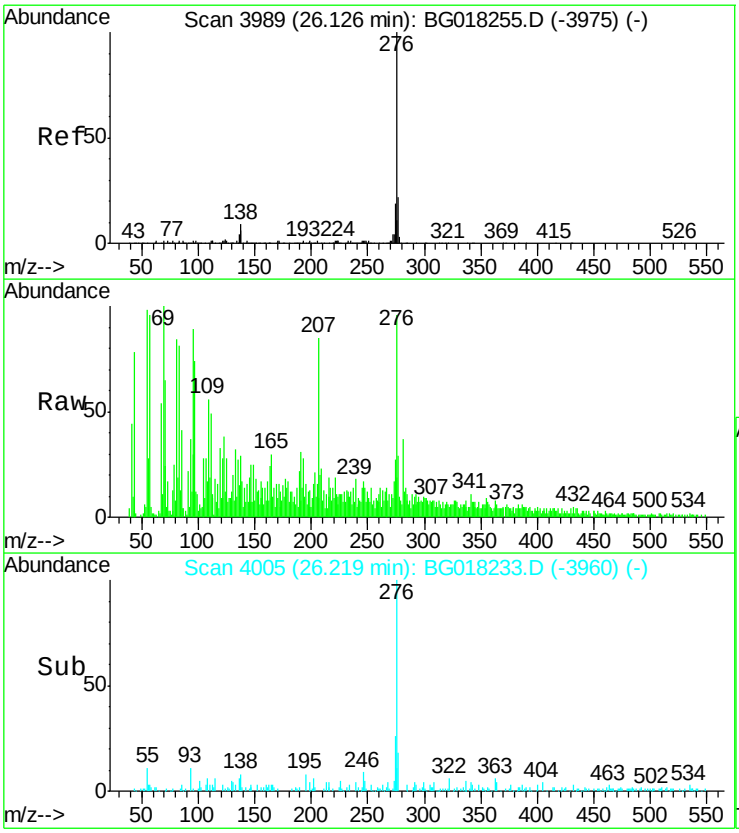
Tgt Ion:276 Resp: 76698

Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.2	25.8#
277	32.6	19.5	29.3#

Instrument :
BNA_G
ClientSampleId :
C02L5RE

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:20:11 PM





#94
Benzo(g,h,i)perylene
Concen: 3.71 ng/ul m
RT: 26.22 min Scan# 4005
Delta R.T. 0.07 min
Lab File: BG018233.D
Acq: 2 Aug 2015 19:20

Tgt Ion:276 Resp: 62767

Ion	Ratio	Lower	Upper
276	100		
138	17.7	15.1	22.7
277	30.2	19.8	29.6#