Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
Data File : BG020236.D
Acq On : 17 Dec 2015 00:49
Operator : UM/SJ
Sample : G4787-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 04:09:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	18076	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	87885	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	65825	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	148416	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	175270	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	170994	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	1162	3.55	ng/uL	0.01
5) Phenol-d5	7.24	99	30181	18.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	20326	21.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	24314	20.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	26853	19.70	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	13611	19.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	14016	18.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	28928	18.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	34835	20.08	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	101070	18.98	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	111912	18.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	10373	10.86	ng/ul	0.00
58) Fluorene-d10	15.72	176	85013	17.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	5692	6.47	ng/ul	0.00
71) Anthracene-d10	17.57	188	129642	18.96	ng/ul	0.00
79) Pyrene-d10	19.85	212	141446	17.31	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	150910	17.69	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.98	128	2174485	473.80	ng/ul#	90
34) 2-Methylnaphthalene	12.57	142	989087	282.14	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	98179	19.77	ng/ul	95
45) Dimethylphthalate	14.17	163	51089	9.39	ng/ul	98
48) Acenaphthylene	14.45	152	37836	5.75	ng/ul#	79
50) Acenaphthene	14.79	153	345237	77.97	ng/ul	98
54) Dibenzofuran	15.12	168	57159	8.68	ng/ul	94
59) Fluorene	15.77	166	208001	39.32	ng/ul	100
70) Phenanthrene	17.52	178	976748	120.32	ng/ul	97
72) Anthracene	17.60	178	290133	35.24	ng/ul	99
75) Carbazole	17.87	167	24373	3.52	ng/ul#	91
77) Fluoranthene	19.52	202	375861	39.62	ng/ul	98
80) Pyrene	19.88	202	538516	50.77	ng/ul	97
83) Benzo(a)anthracene	21.72	228	231823	22.67	ng/ul	94
85) Chrysene	21.79	228	194318	20.17	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	130549	12.68	ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	42850m	4.34	ng/ul	
91) Benzo(a)pyrene	24.85	252	146030	14.97	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.74	276	56708	4.88	ng/ul	94
93) Dibenzo(a,h)anthracene	28.77	278	20816m	2.16	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	50541m	5.31	ng/ul	

Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
Data File : BG020236.D
Acq On : 17 Dec 2015 00:49
Operator : UM/SJ
Sample : G4787-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 04:09:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

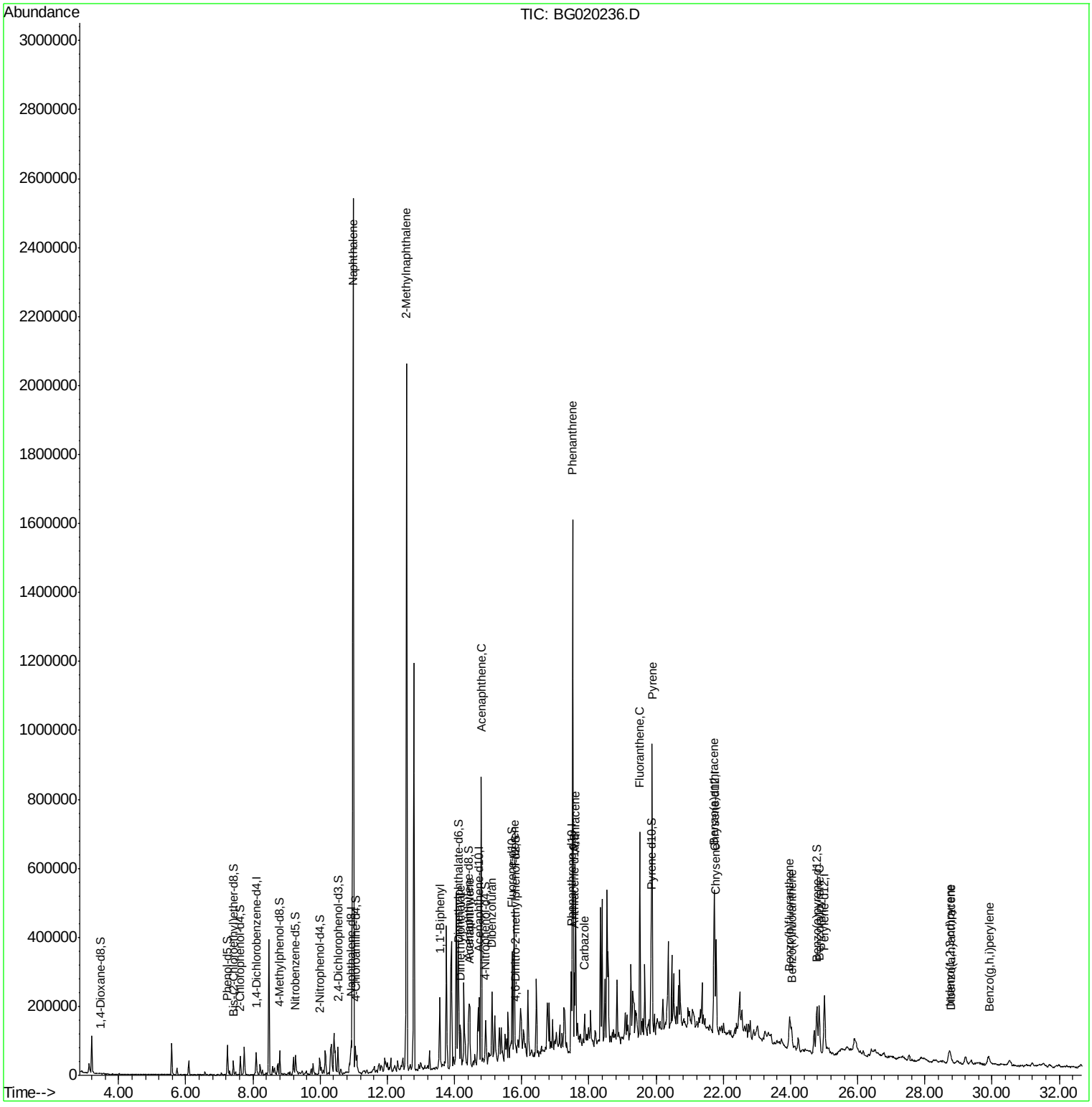
Quantitation Report (LSC Reviewed)

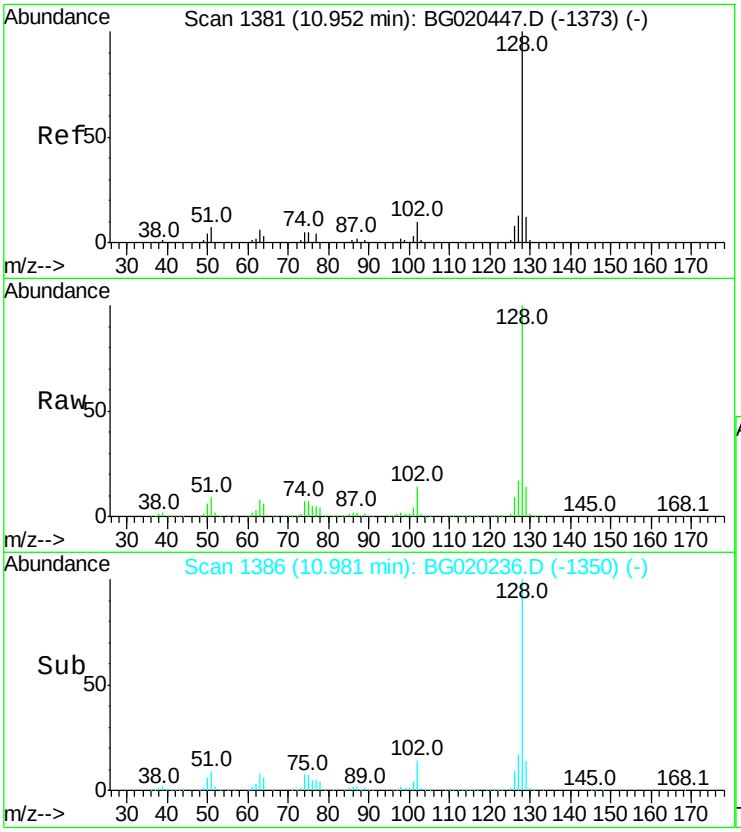
Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
Data File : BG020236.D
Acq On : 17 Dec 2015 00:49
Operator : UM/SJ
Sample : G4787-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 26 04:09:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

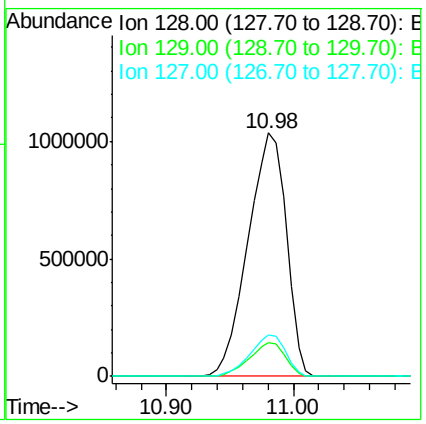




#28
Naphthalene
Concen: 473.80 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

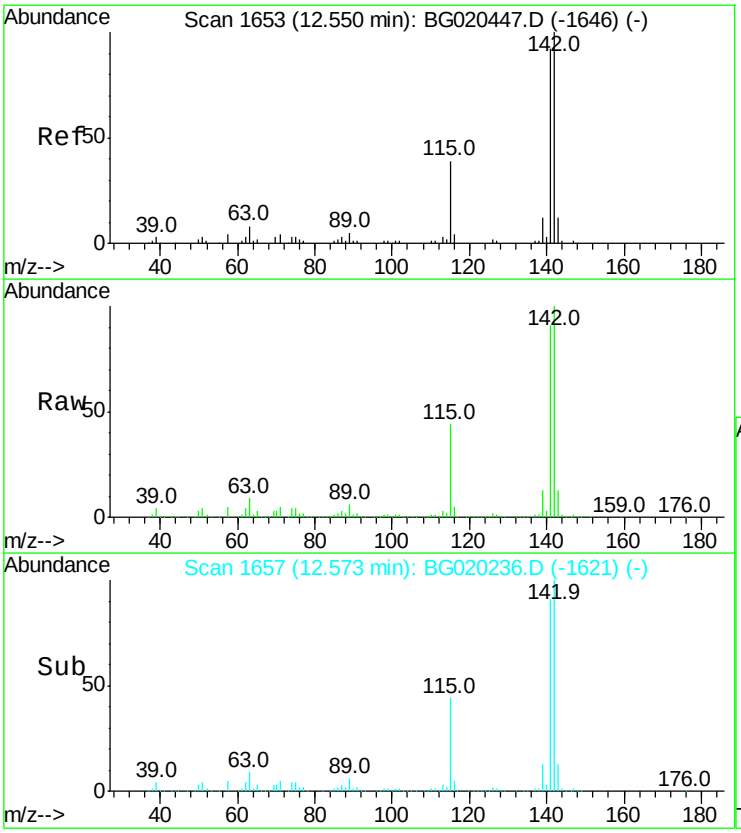
Tgt Ion:128 Resp: 2174485

Ion	Ratio	Lower	Upper
128	100		
129	14.0	8.6	12.8#
127	17.1	10.1	15.1#



Instrument :
BNA_G
ClientSampleId :
G9BP0

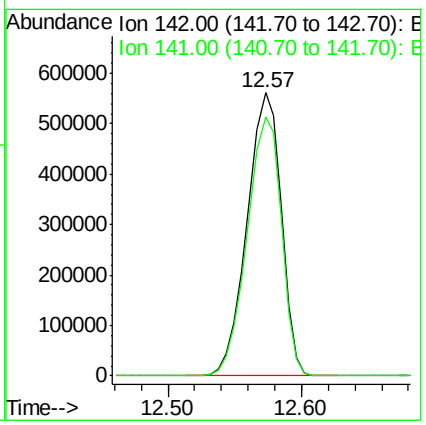
Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

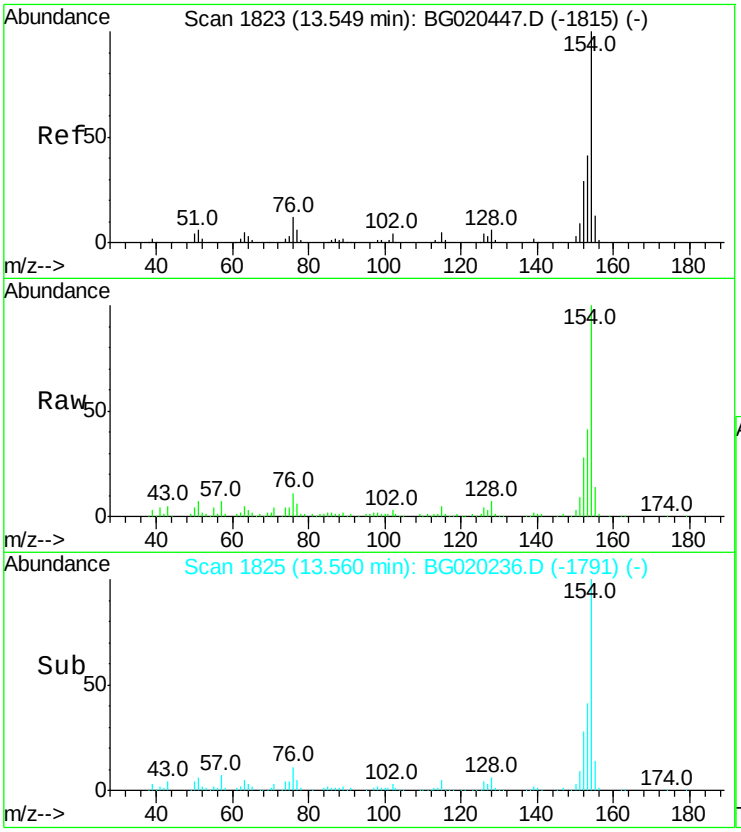


#34
2-Methylnaphthalene
Concen: 282.14 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:142 Resp: 989087

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.9	112.3

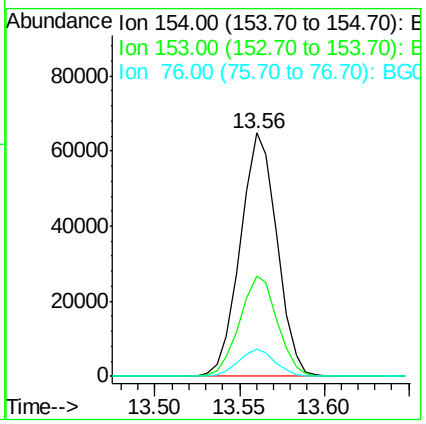




#41
1,1'-Biphenyl
Concen: 19.77 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

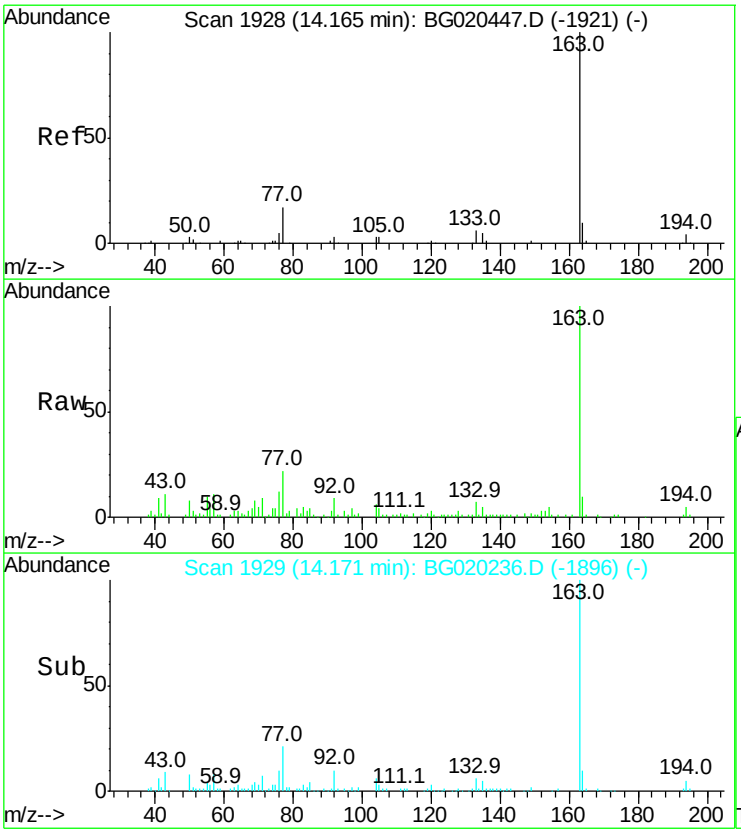
Tgt Ion:154 Resp: 98179

Ion	Ratio	Lower	Upper
154	100		
153	41.2	35.5	53.3
76	11.5	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
G9BP0

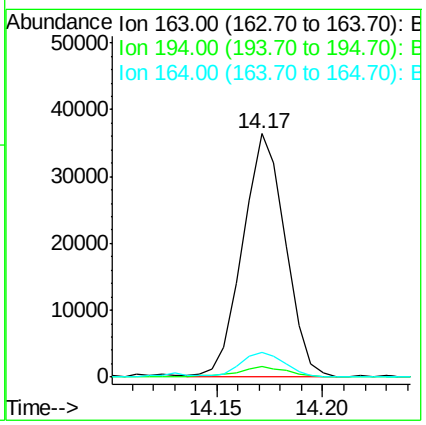
Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

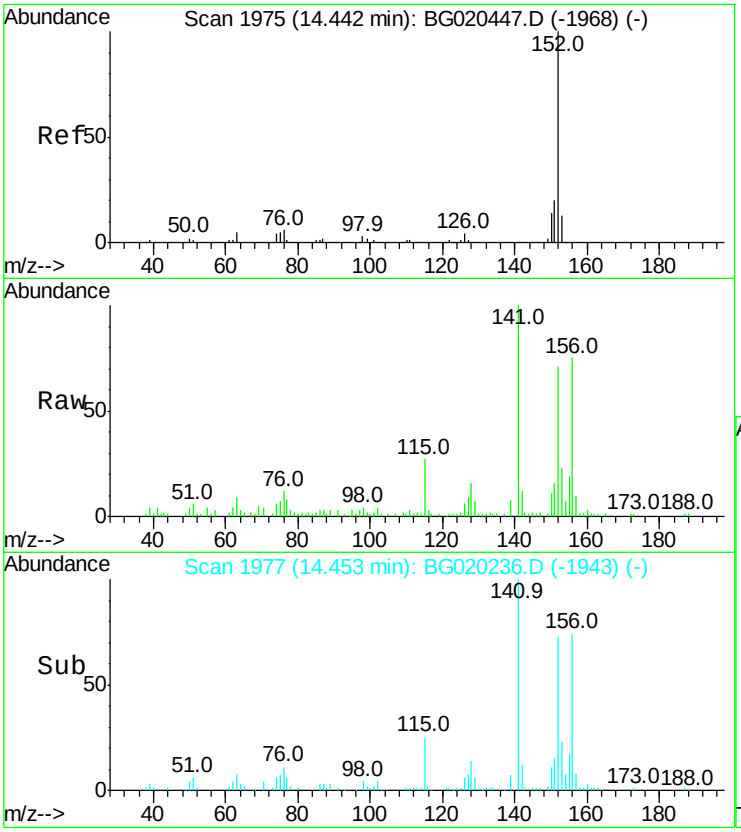


#45
Dimethylphthalate
Concen: 9.39 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:163 Resp: 51089

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.4	7.7	11.5





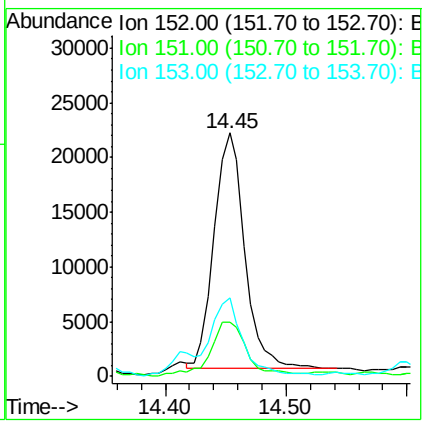
#48
Acenaphthylene
Concen: 5.75 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

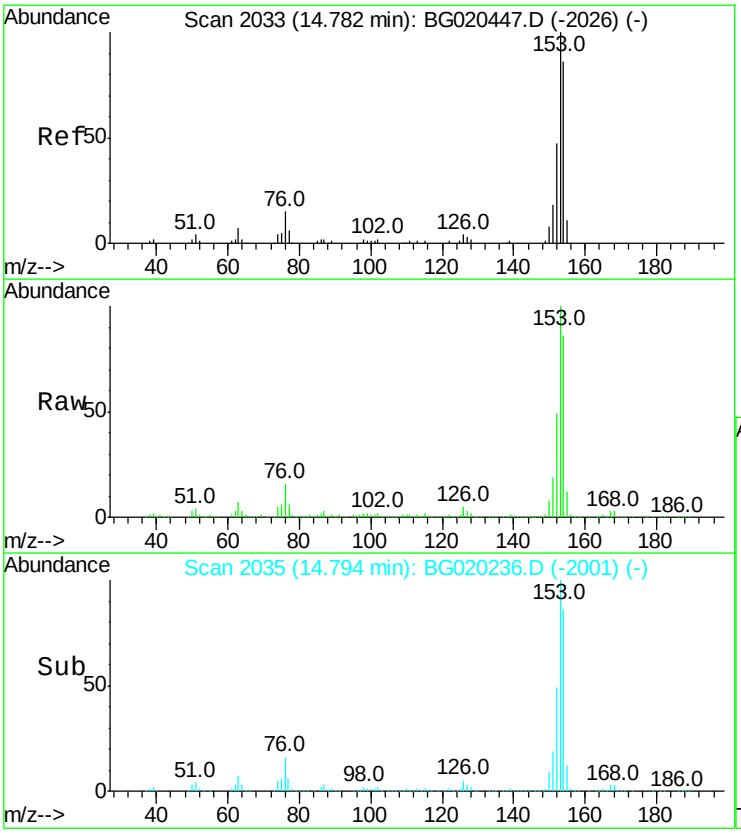
Tgt Ion:152 Resp: 37836

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.4	24.6
153	32.2	10.4	15.6#

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

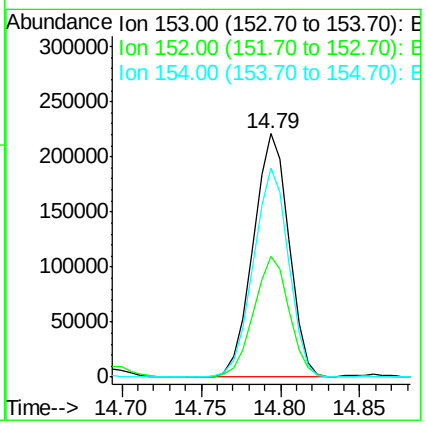


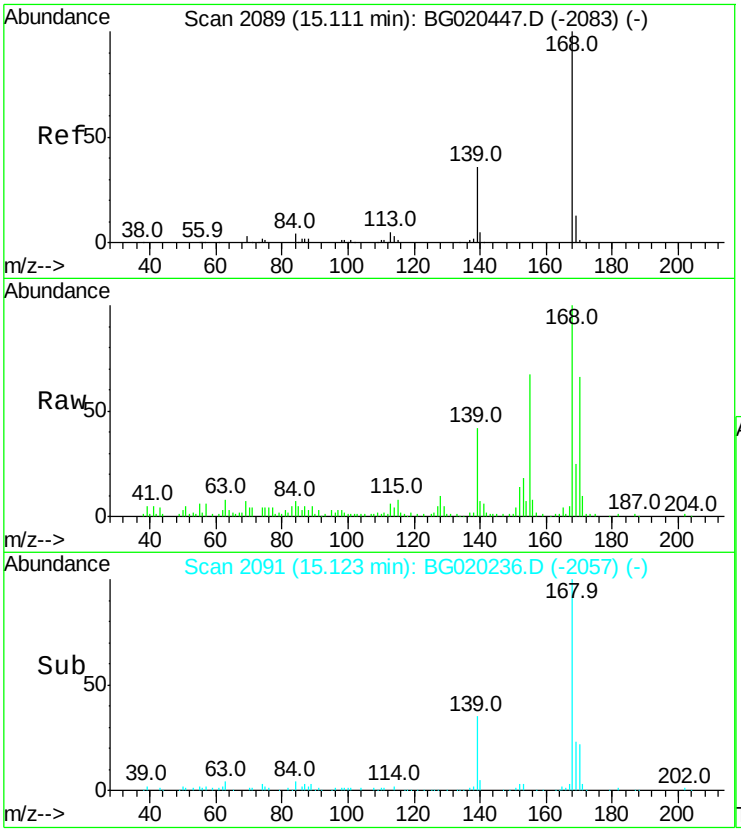


#50
Acenaphthene
Concen: 77.97 ng/ul
RT: 14.79 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:153 Resp: 345237

Ion	Ratio	Lower	Upper
153	100		
152	49.3	37.6	56.4
154	85.7	67.9	101.9





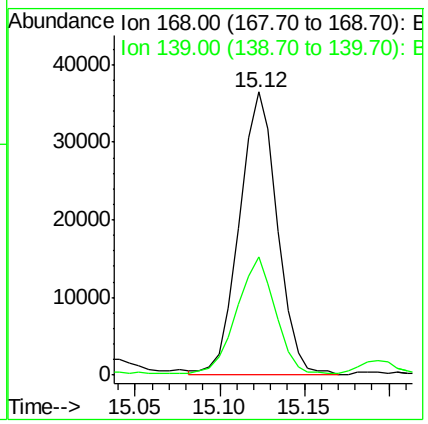
#54
Dibenzofuran
Concen: 8.68 ng/ul
RT: 15.12 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

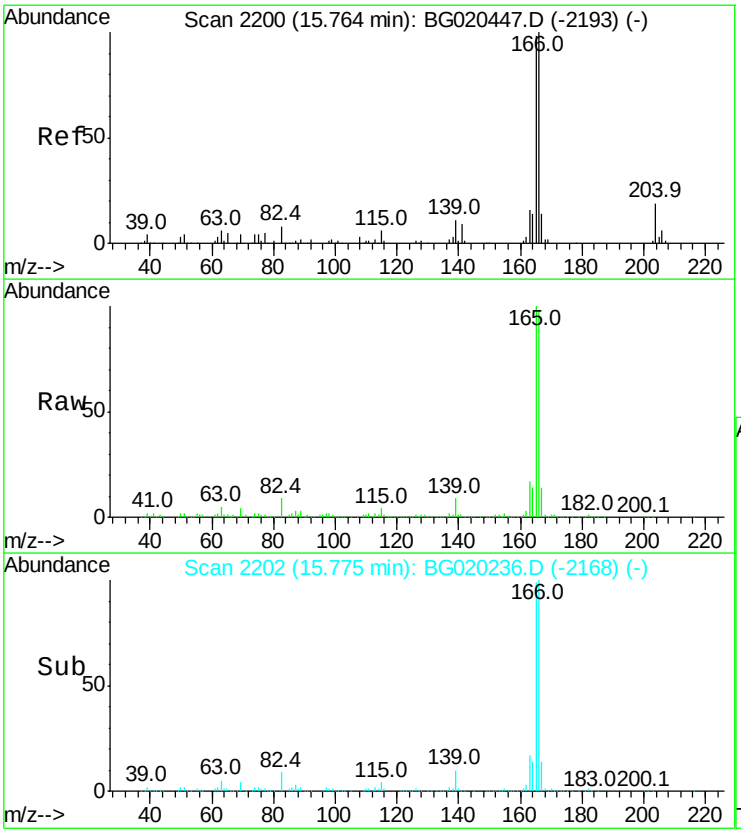
Tgt Ion:168 Resp: 57159

Ion	Ratio	Lower	Upper
168	100		
139	41.7	30.5	45.7

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

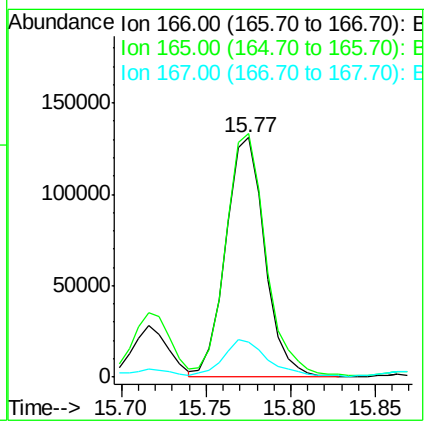


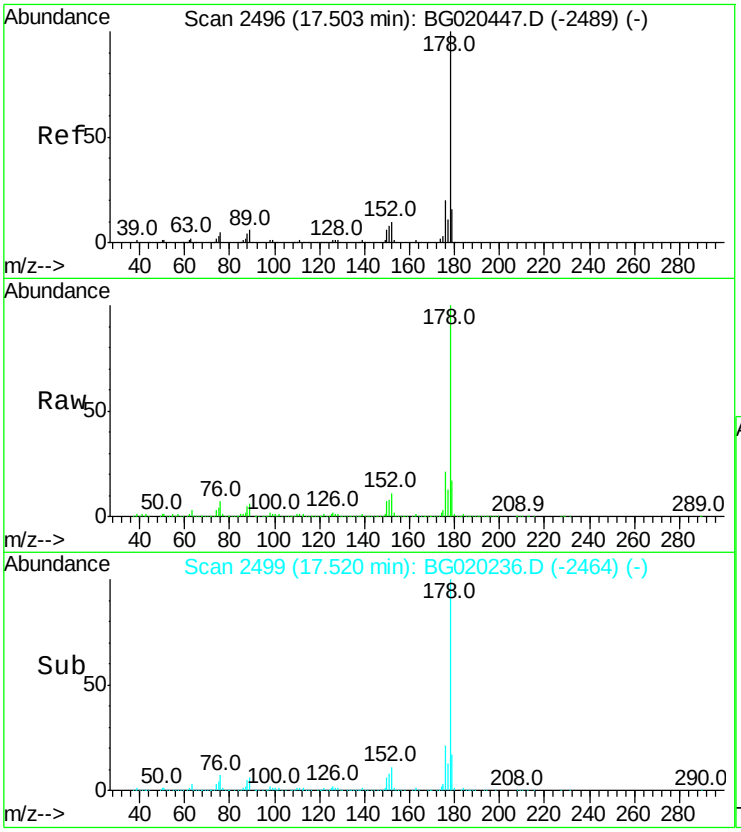


#59
Fluorene
Concen: 39.32 ng/ul
RT: 15.77 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:166 Resp: 208001

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.4	122.0
167	14.6	11.2	16.8

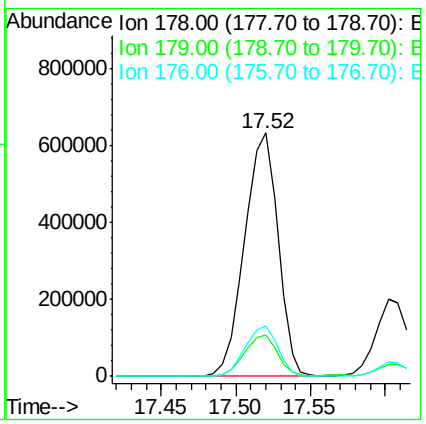




#70
Phenanthrene
Concen: 120.32 ng/ul
RT: 17.52 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

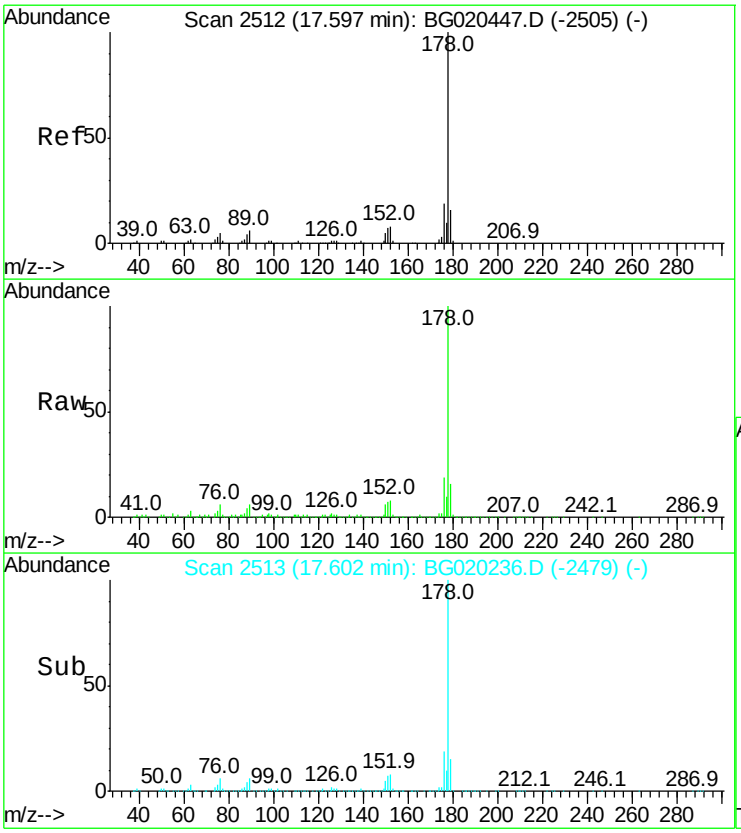
Tgt Ion:178 Resp: 976748

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.9	19.3
176	20.7	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
G9BP0

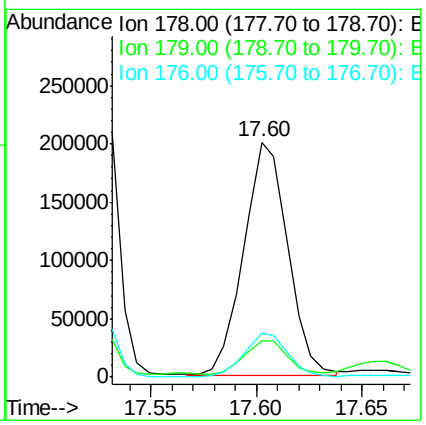
Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

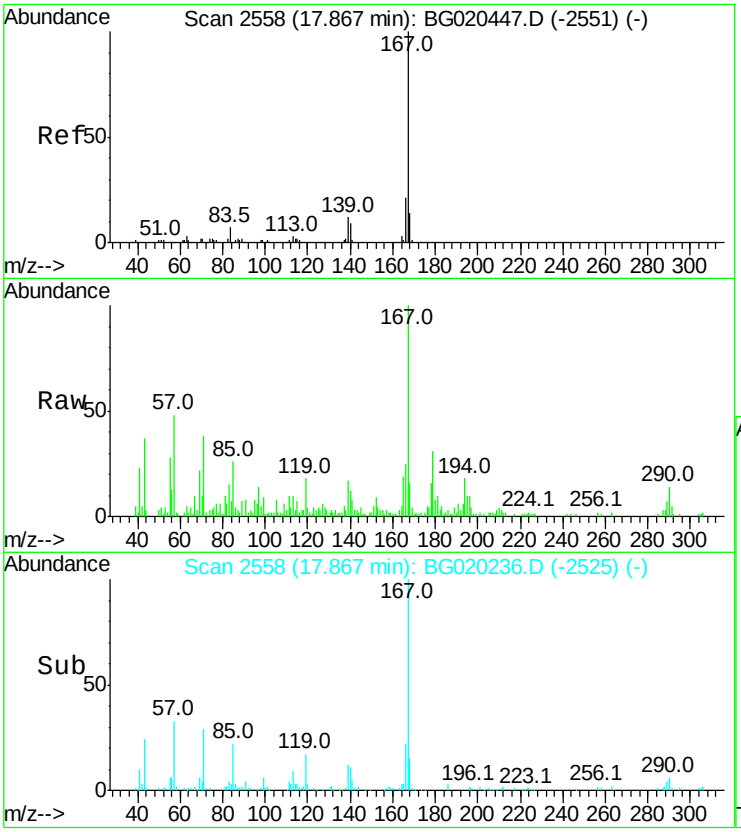


#72
Anthracene
Concen: 35.24 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:178 Resp: 290133

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.8	14.3	21.5





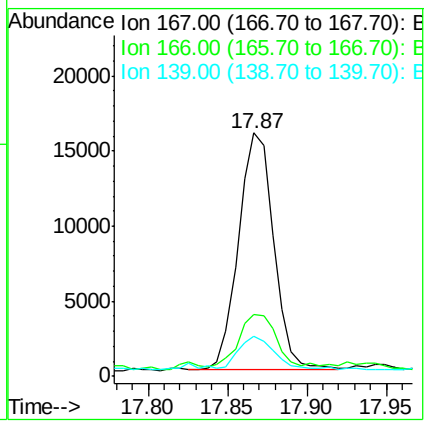
#75
Carbazole
Concen: 3.52 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

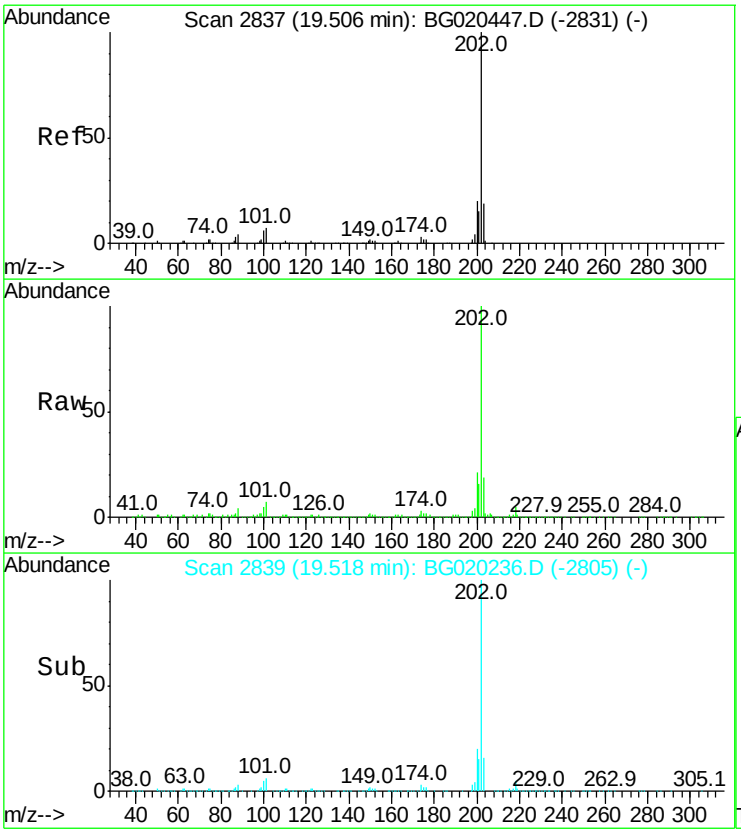
Tgt Ion:167 Resp: 24373

Ion	Ratio	Lower	Upper
167	100		
166	25.4	17.0	25.6
139	16.5	10.1	15.1#

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

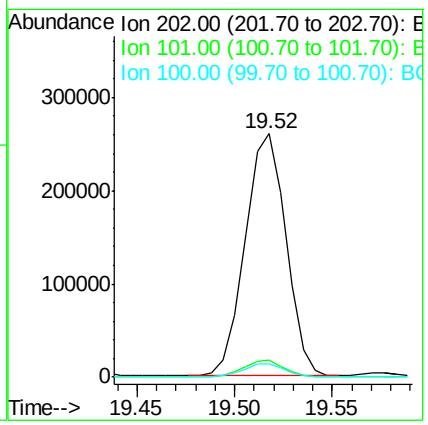


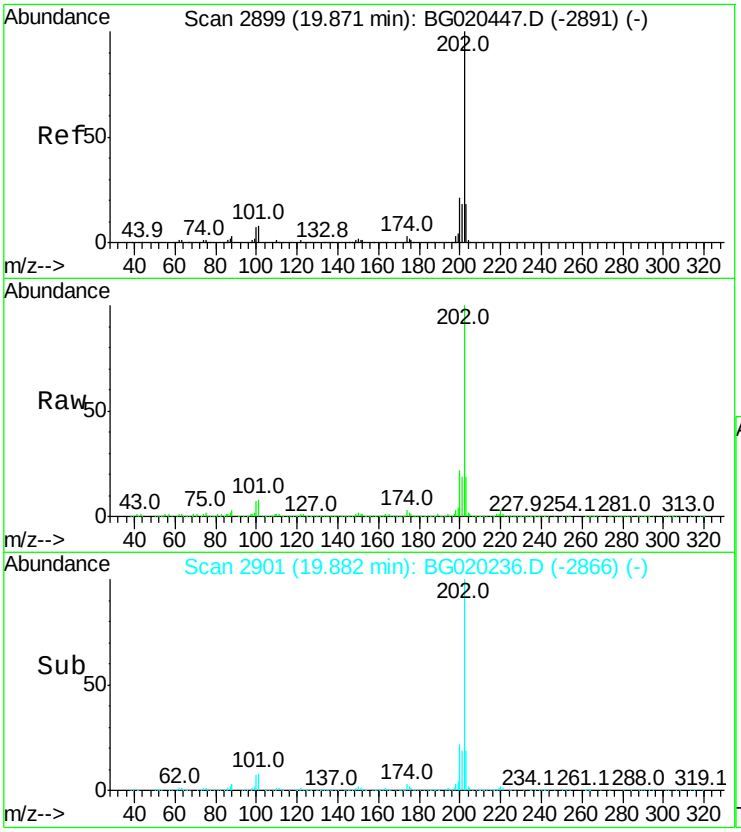


#77
Fluoranthene
Concen: 39.62 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:202 Resp: 375861

Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.2	9.4
100	5.3	5.1	7.7

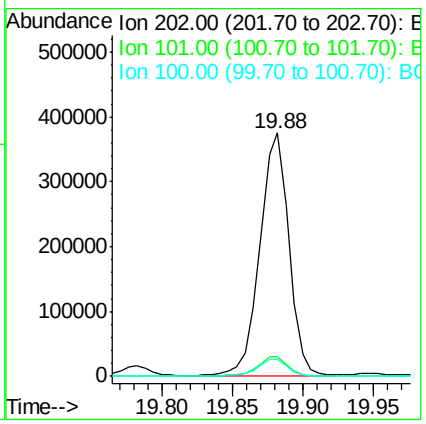




#80
Pyrene
Concen: 50.77 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

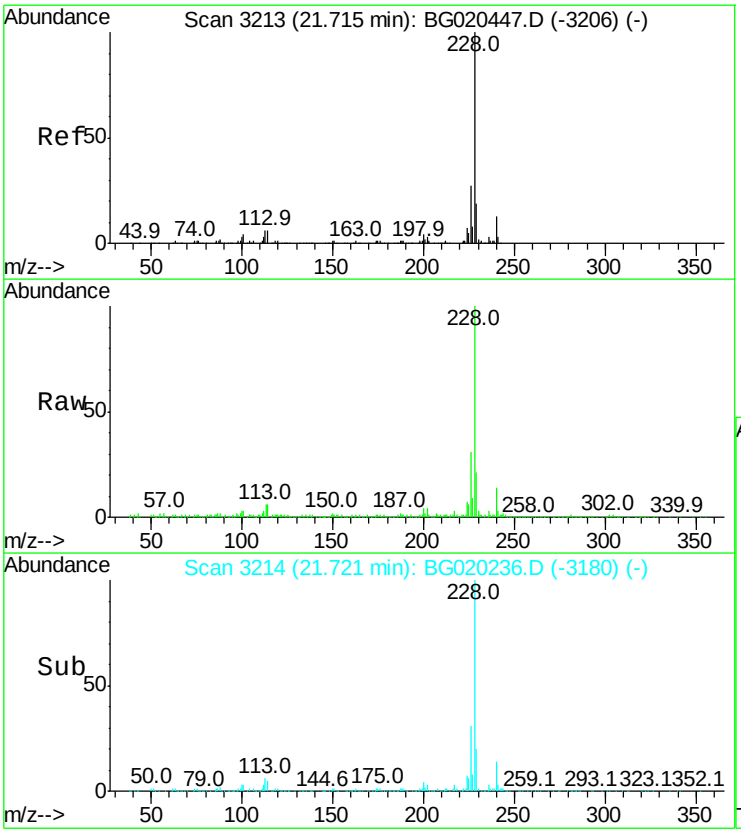
Tgt Ion:202 Resp: 538516

Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
100	6.9	6.4	9.6



Instrument :
BNA_G
ClientSampleId :
G9BP0

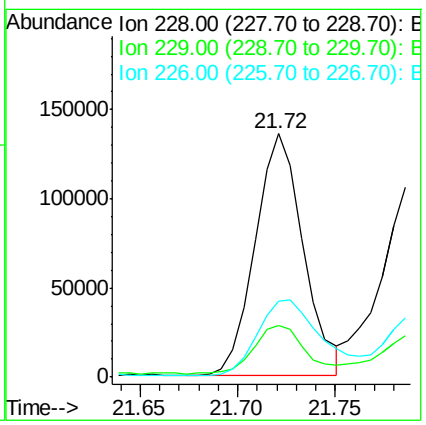
Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

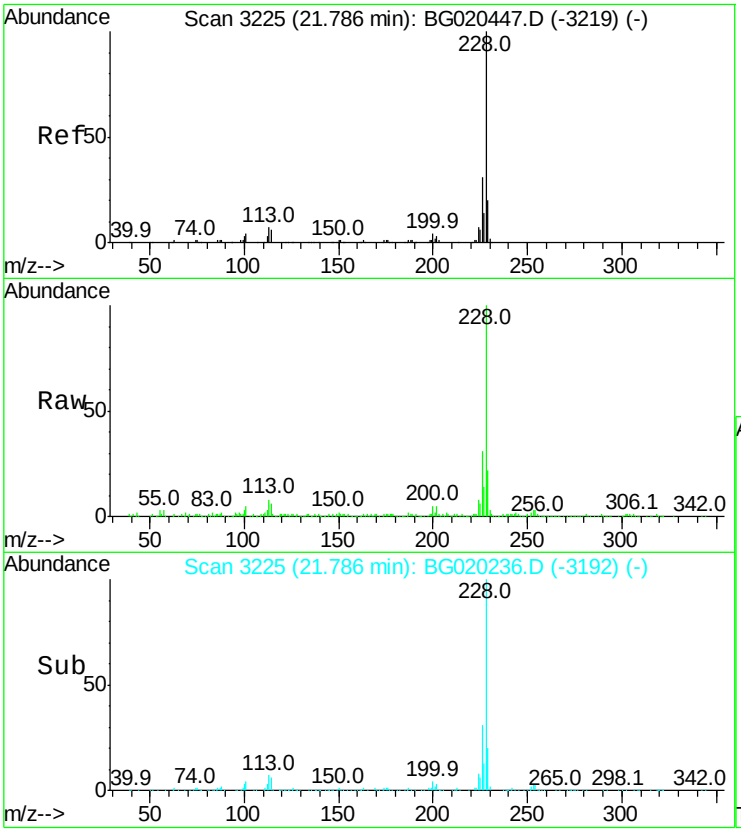


#83
Benzo(a)anthracene
Concen: 22.67 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:228 Resp: 231823

Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.8
226	31.4	21.8	32.6

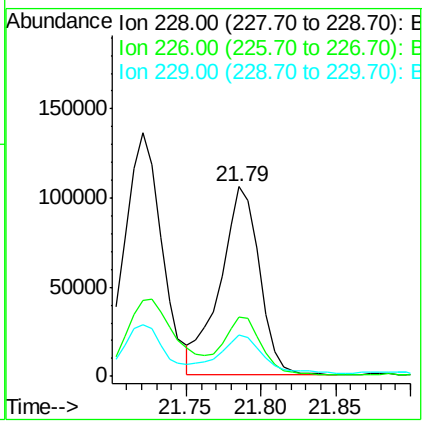




#85
Chrysene
Concen: 20.17 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

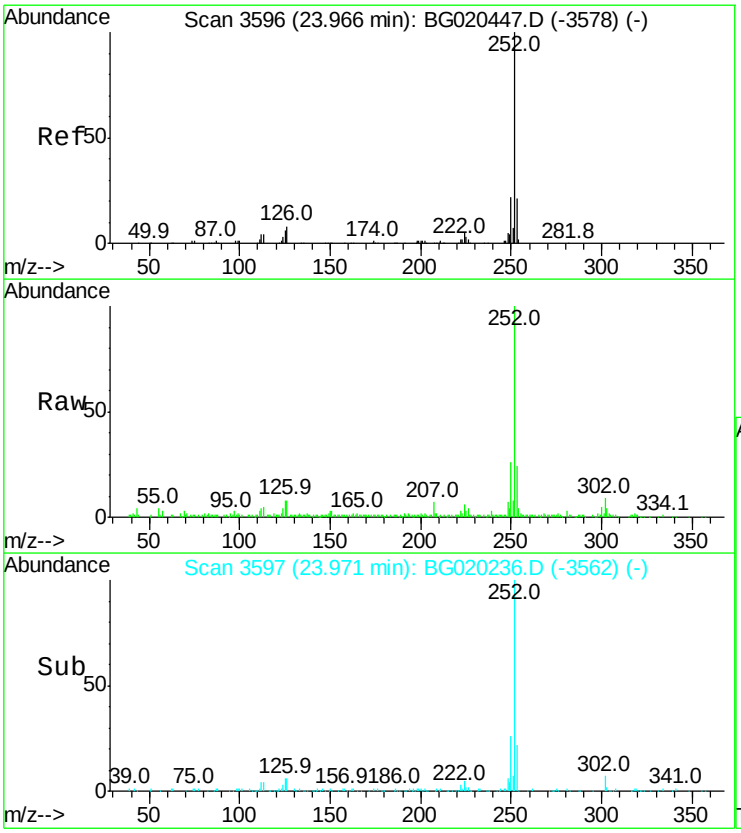
Tgt Ion:228 Resp: 194318

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	21.9	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
G9BP0

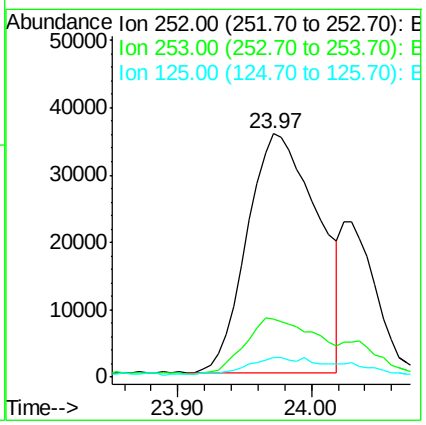
Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

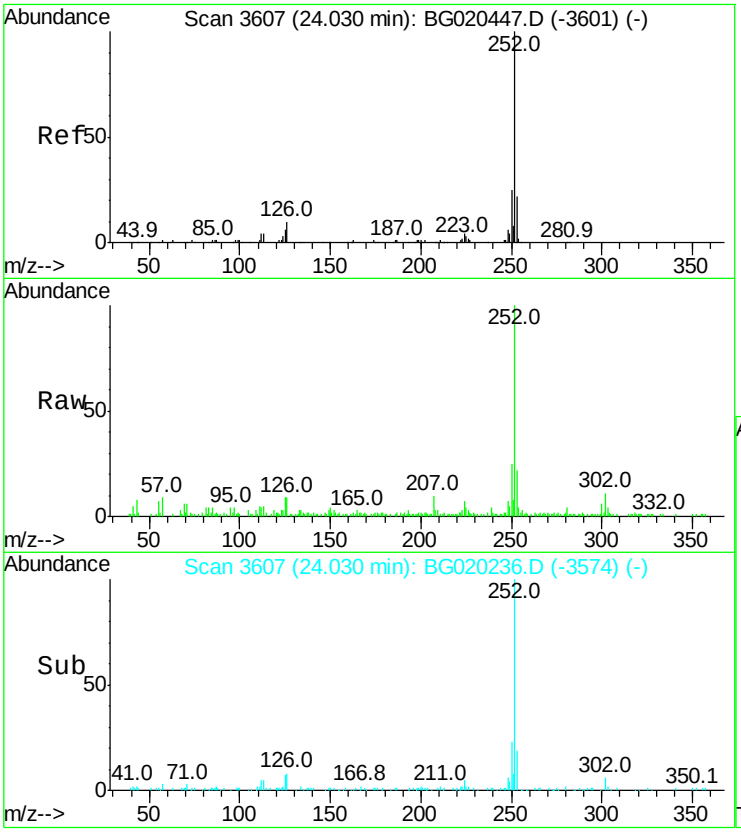


#88
Benzo(b)fluoranthene
Concen: 12.68 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:252 Resp: 130549

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.7	25.1
125	7.9	6.2	9.2





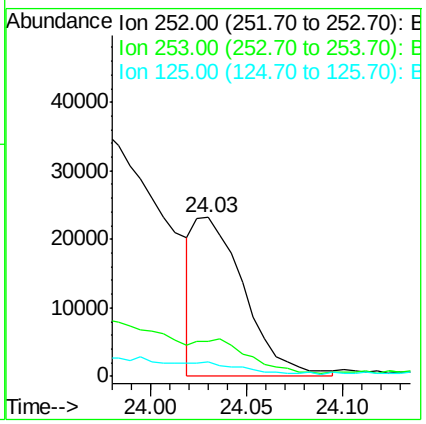
#89
Benzo(k)fluoranthene
Concen: 4.34 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

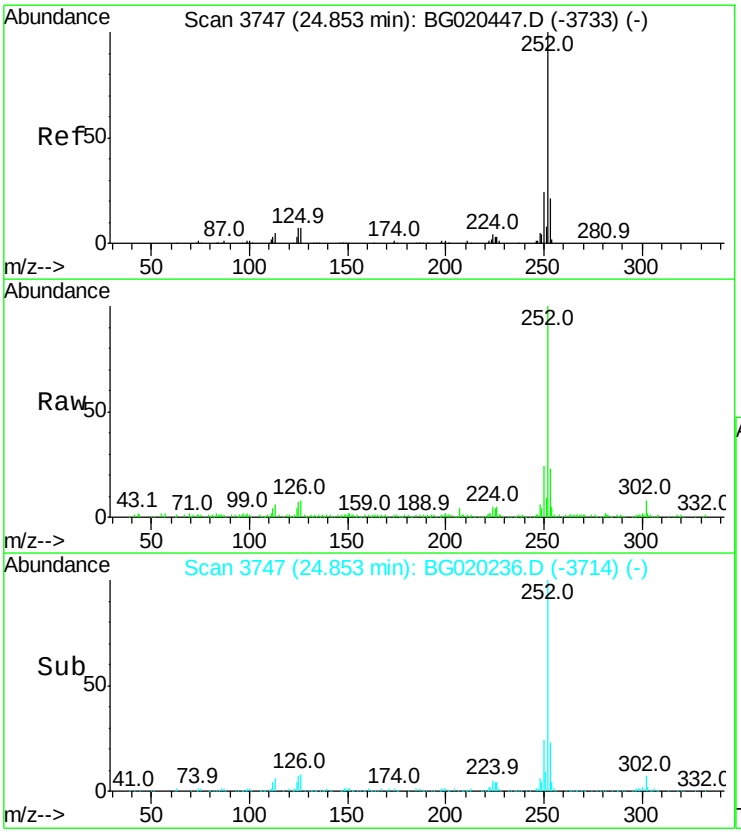
Tgt Ion:252 Resp: 42850

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	9.0	5.8	8.6#

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

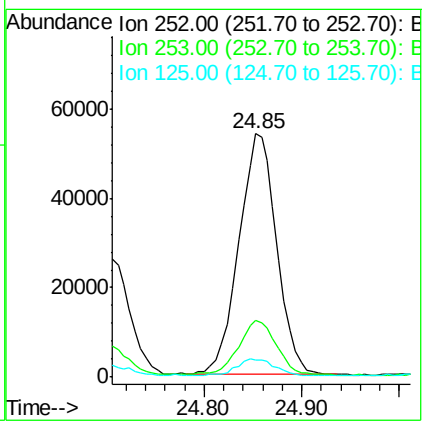


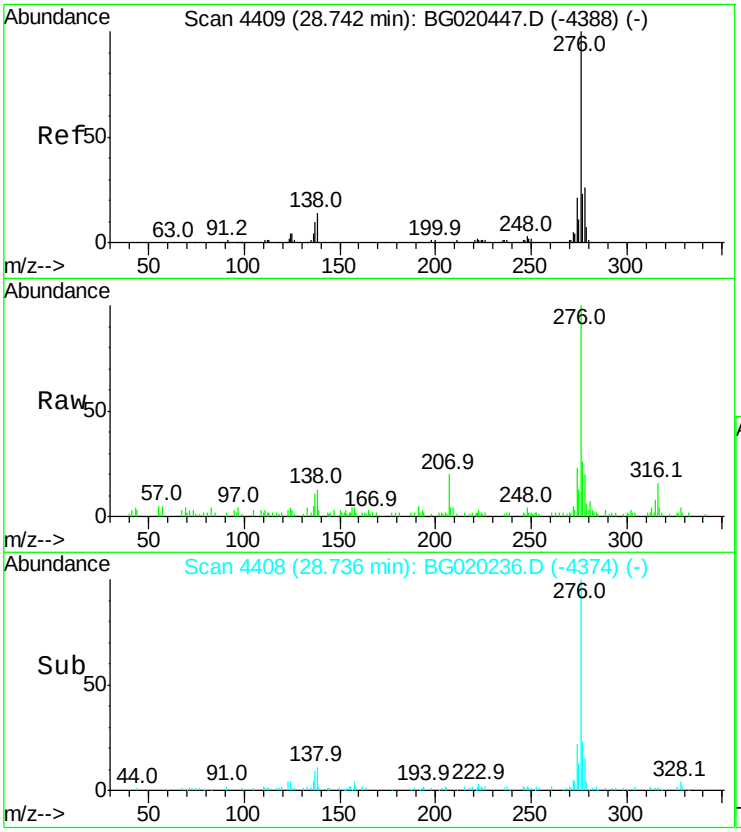


#91
Benzo(a)pyrene
Concen: 14.97 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:252 Resp: 146030

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	7.2	6.2	9.4





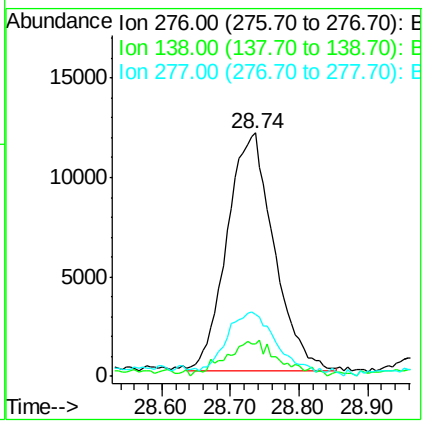
#92
Indeno(1,2,3-cd)pyrene
Concen: 4.88 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. 0.00 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

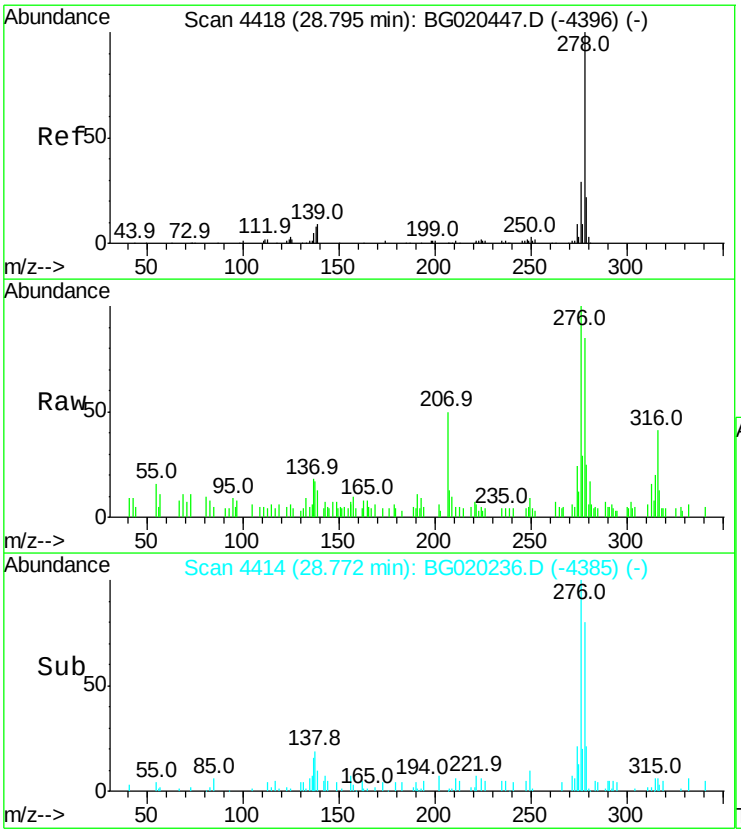
Tgt Ion:276 Resp: 56708

Ion	Ratio	Lower	Upper
276	100		
138	13.1	11.4	17.0
277	25.5	17.4	26.0

Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM

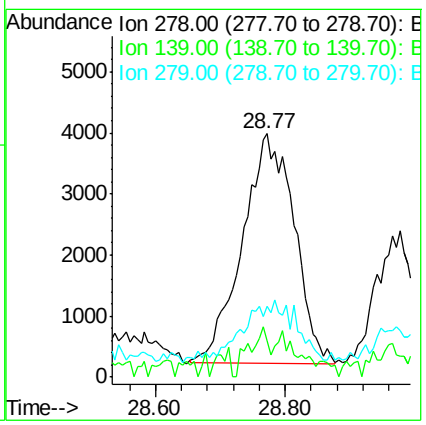


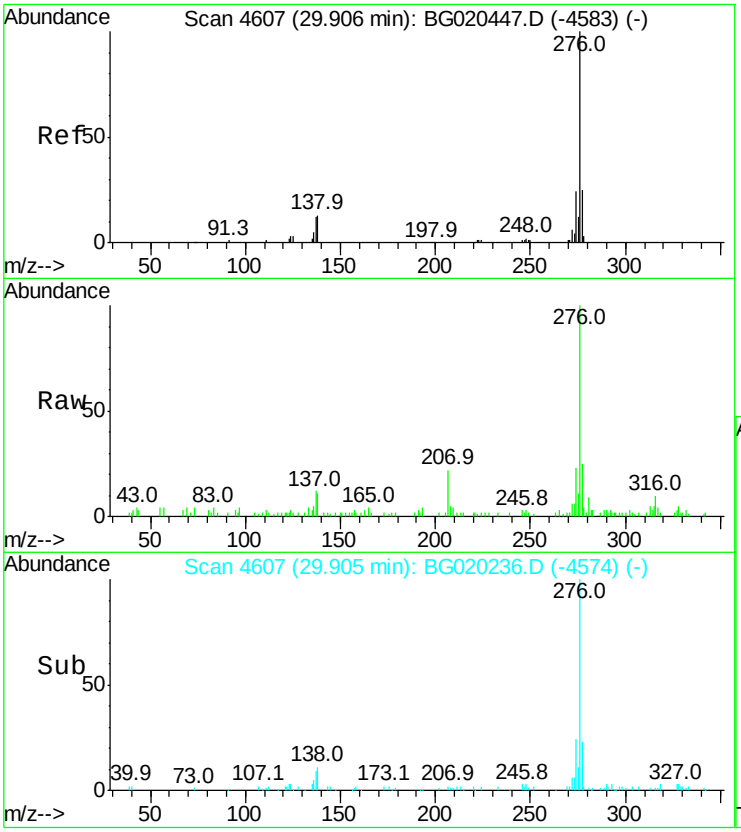


#93
Dibenzo(a,h)anthracene
Concen: 2.16 ng/ul m
RT: 28.77 min Scan# 4414
Delta R.T. -0.03 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:278 Resp: 20816

Ion	Ratio	Lower	Upper
278	100		
139	15.1	9.4	14.2#
279	28.9	19.4	29.0

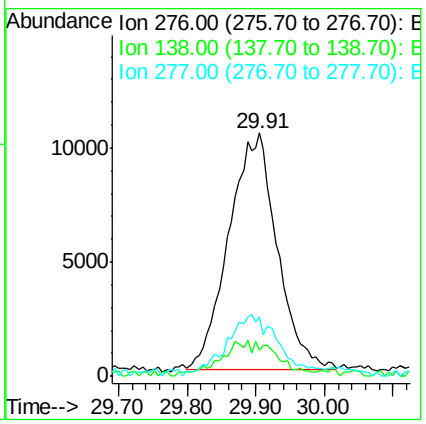




#94
Benzo(g,h,i)perylene
Concen: 5.31 ng/ul m
RT: 29.91 min Scan# 4607
Delta R.T. -0.01 min
Lab File: BG020236.D
Acq: 17 Dec 2015 00:49

Tgt Ion:276 Resp: 50541

Ion	Ratio	Lower	Upper
276	100		
138	10.6	10.8	16.2#
277	24.6	19.9	29.9



Instrument :
BNA_G
ClientSampleId :
G9BP0

Manual Integrations APPROVED
MMdadoda
12/17/2015 12:00:23 PM