Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

Quant Time: May 13 13:36:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	55654	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	297625m	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	193347m	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	423292m	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	428987m	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	442856m	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.55	96	5833	5.06	ng/uL	0.00
5) Phenol-d5	7.32	99	146915	35.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	66681	32.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	132591	41.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	132492	38.20	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	66986	34.23	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	75607	61.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	140809	40.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	106765m	28.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	426539m	31.41	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	577896m	29.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	65813m	28.27	ng/ul	0.00
58) Fluorene-d10	15.78	176	390222m	27.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	40318m	34.38	ng/ul	0.00
71) Anthracene-d10	17.64	188	556883m	27.03	ng/ul	0.00
77) Pyrene-d10	19.91	212	583442m	29.06	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	566733m	26.93	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.04	128	14933m	1.00	ng/ul	
45) Dimethylphthalate	14.24	163	79665m	5.76	ng/ul	
48) Acenaphthylene	14.53	152	58132m	2.94	ng/ul	
70) Phenanthrene	17.58	178	194146m	8.39	ng/ul	
73) Carbazole	17.94	167	58996m	2.89	ng/ul	
74) Di-n-butylphthalate	18.48	149	25959m	1.40	ng/ul	
75) Fluoranthene	19.58	202	531705m	20.22	ng/ul	
78) Pyrene	19.94	202	414165m	16.69	ng/ul	
79) Butylbenzylphthalate	20.82	149	20328m	3.71	ng/ul	
81) Benzo(a)anthracene	21.81	228	306690m	12.85	ng/ul	
82) Bis(2-ethylhexyl)phthalate	21.69	149	111143m	12.41	ng/ul	
83) Chrysene	21.87	228	331952m	14.06	ng/ul	
86) Benzo(b)fluoranthene	24.10	252	545479m	21.52	ng/ul	
87) Benzo(k)fluoranthene	24.17	252	201769m	7.43	ng/ul	
89) Benzo(a)pyrene	25.01	252	371899m	14.74	ng/ul	
90) Indeno(1,2,3-cd)pyrene	29.00	276	391969m	13.11	ng/ul	
91) Dibenzo(a,h)anthracene	29.04	278	102982m	4.14	ng/ul	
92) Benzo(g,h,i)perylene	30.20	276	330546m	13.39	ng/ul	

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

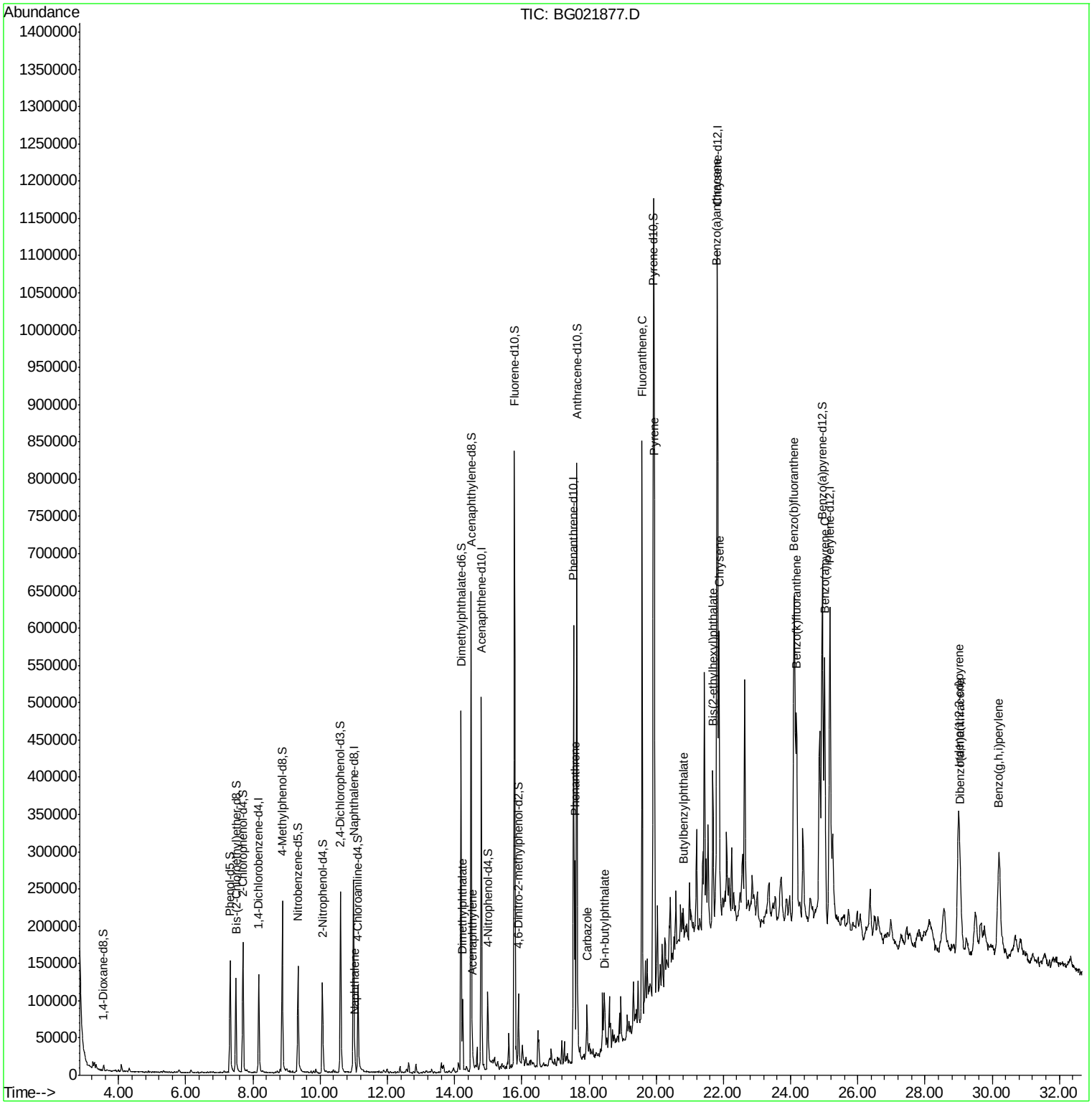
Quantitation Report (QT/LSC Reviewed)

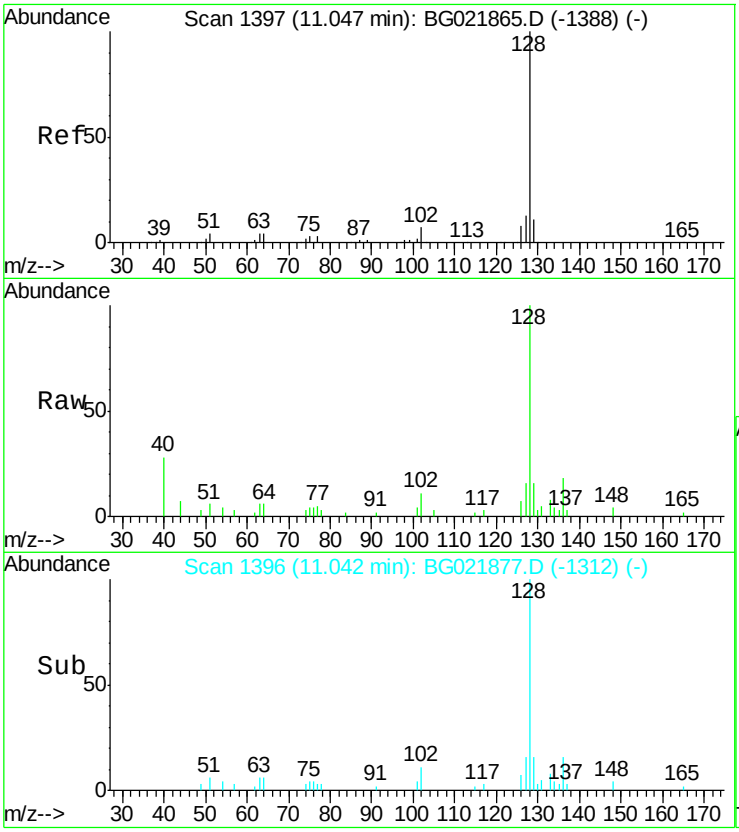
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021877.D
Acq On : 12 May 2016 20:35
Operator : UM/SJ
Sample : H2936-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 13:36:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM





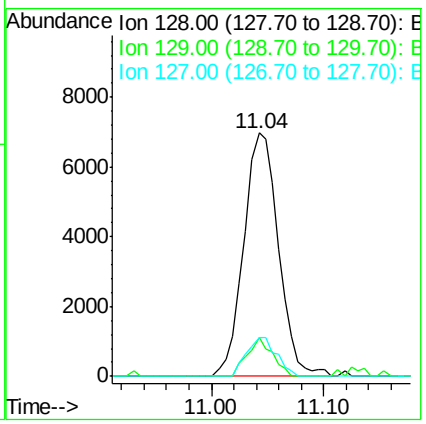
#28
Naphthalene
Concen: 1.00 ng/ul m
RT: 11.04 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

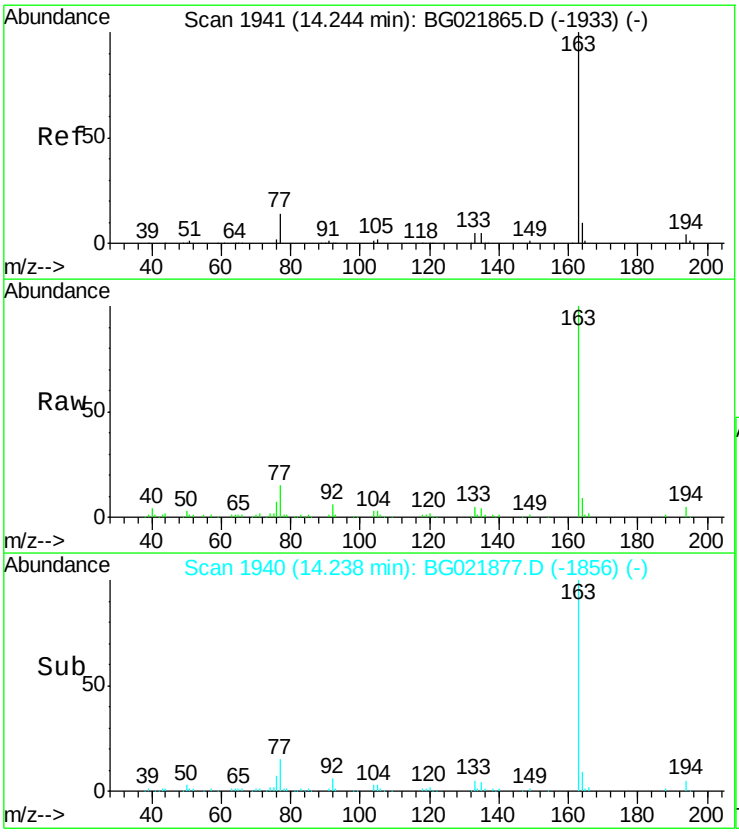
Tgt Ion:128 Resp: 14933

Ion	Ratio	Lower	Upper
128	100		
129	15.8	8.3	12.5#
127	15.7	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

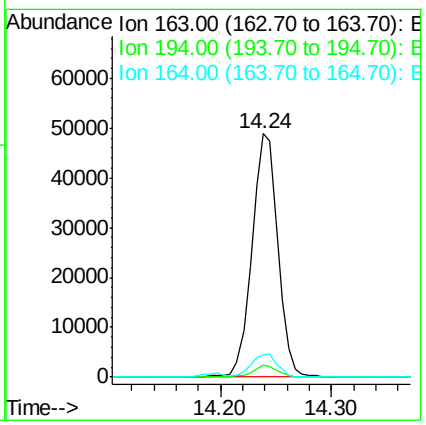


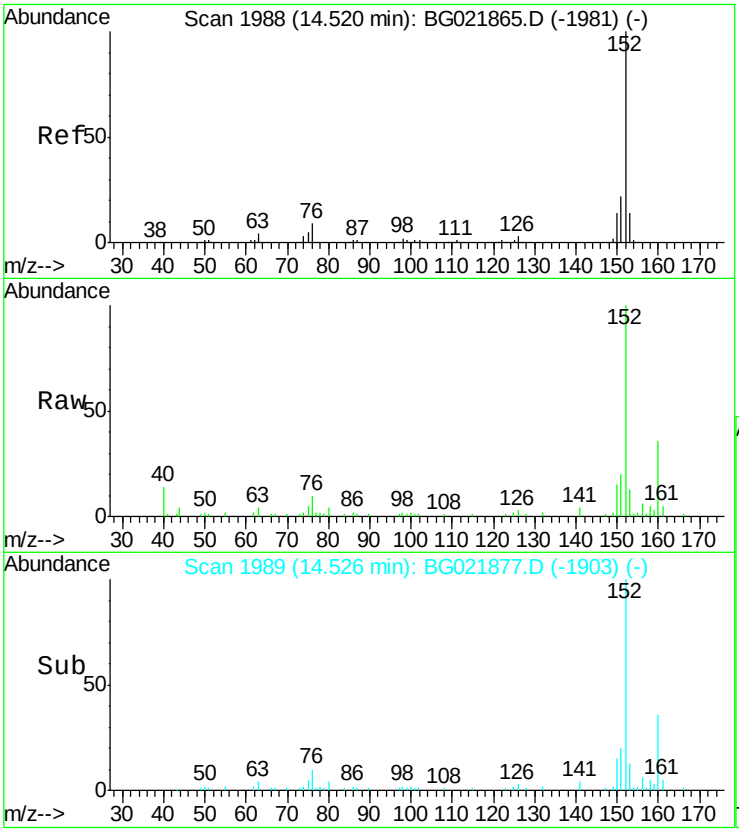


#45
Dimethylphthalate
Concen: 5.76 ng/ul m
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:163 Resp: 79665

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.9	5.9
164	9.2	8.7	13.1

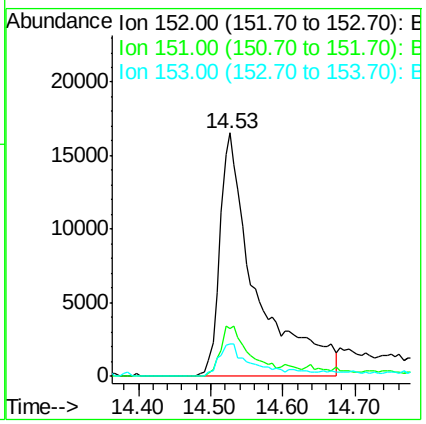




#48
Acenaphthylene
Concen: 2.94 ng/ul m
RT: 14.53 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

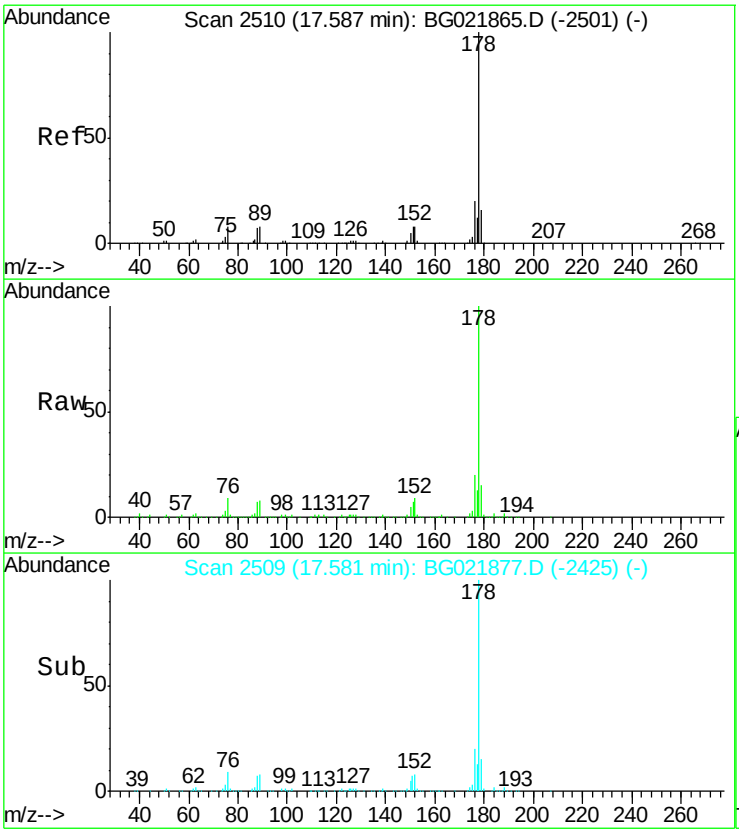
Tgt Ion:152 Resp: 58132

Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.3	25.9
153	13.5	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
D9WK4

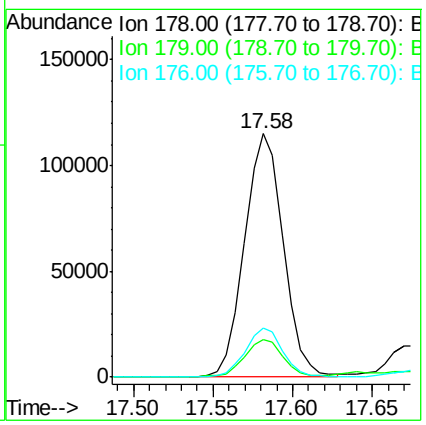
Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

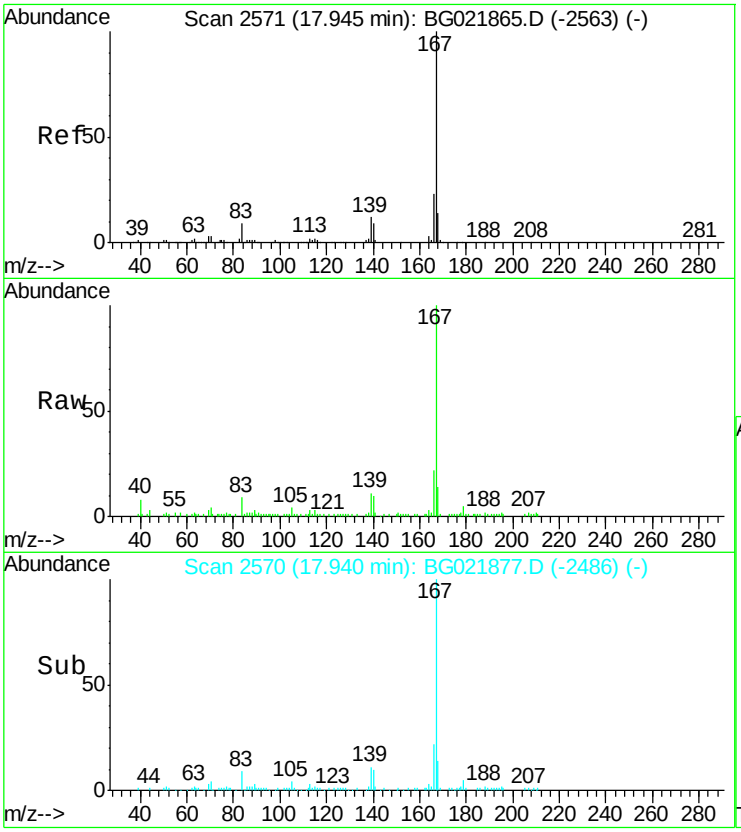


#70
Phenanthrene
Concen: 8.39 ng/ul m
RT: 17.58 min Scan# 2509
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:178 Resp: 194146

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	20.2	14.8	22.2





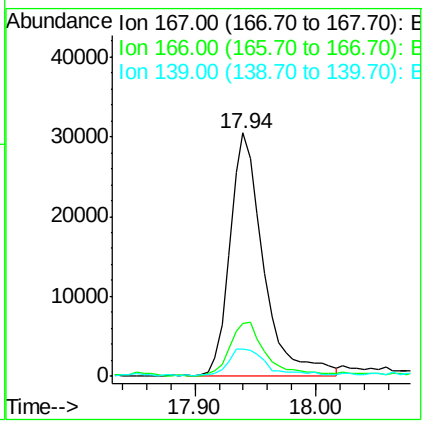
#73
Carbazole
Concen: 2.89 ng/ul m
RT: 17.94 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

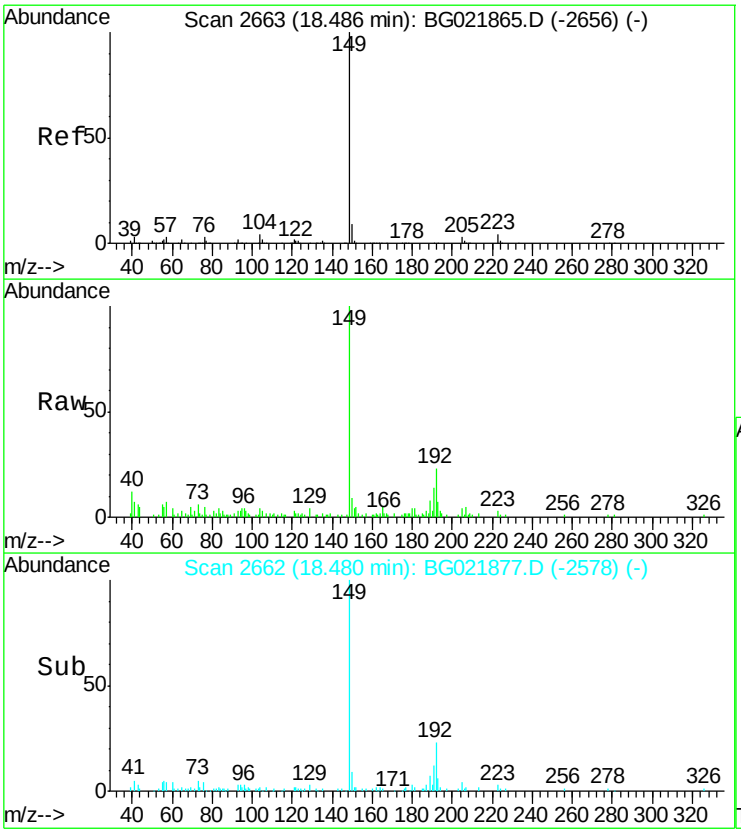
Tgt Ion:167 Resp: 58996

Ion	Ratio	Lower	Upper
167	100		
166	22.0	19.0	28.4
139	11.0	12.2	18.4#

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

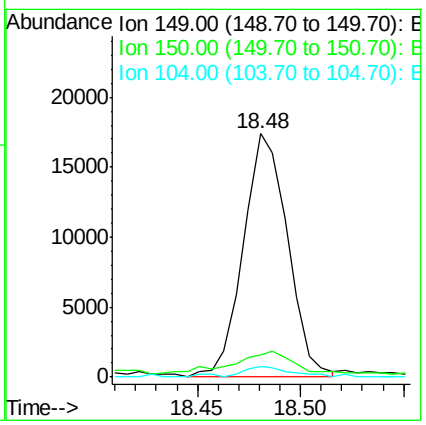


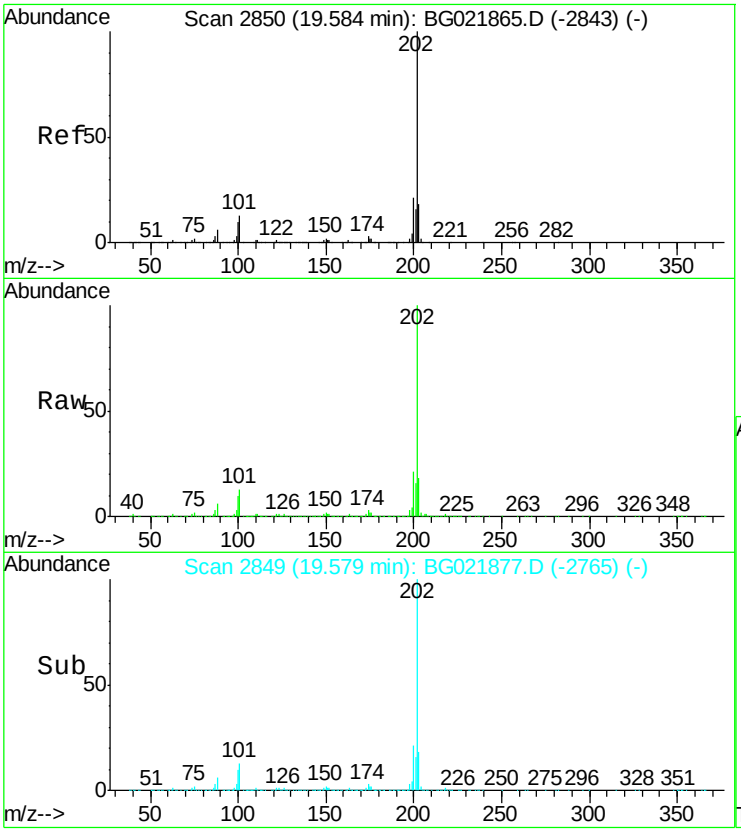


#74
Di-n-butylphthalate
Concen: 1.40 ng/ul m
RT: 18.48 min Scan# 2662
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:149 Resp: 25959

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.3	5.4	8.2#

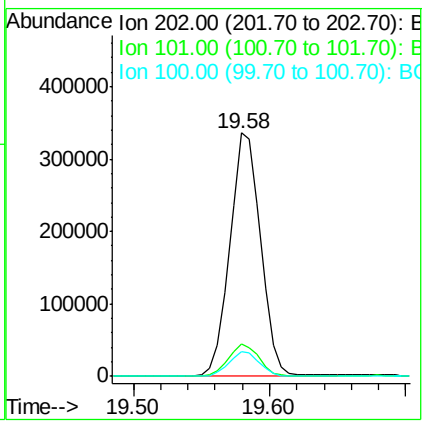




#75
Fluoranthene
Concen: 20.22 ng/ul m
RT: 19.58 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

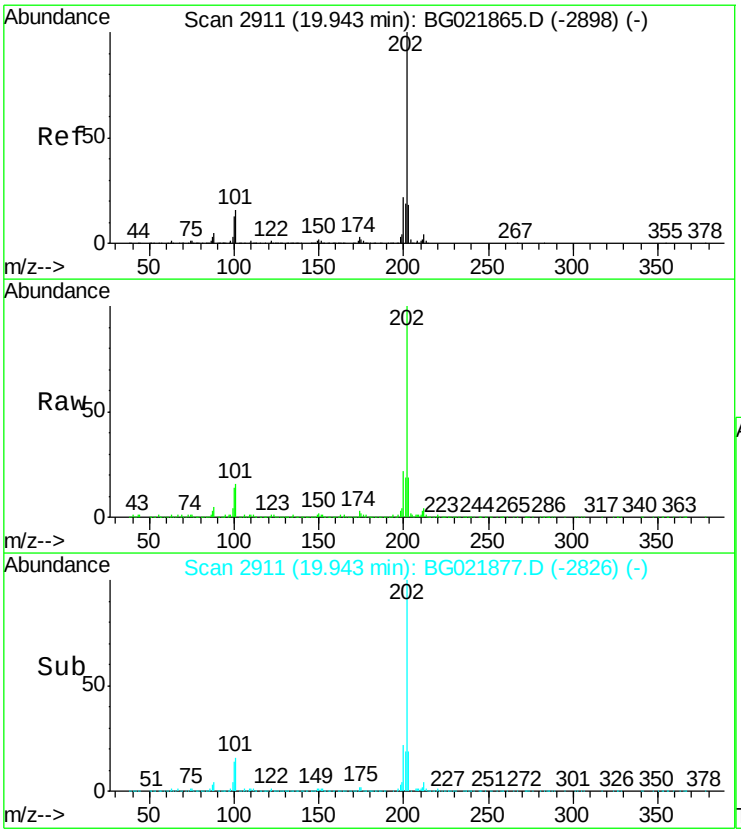
Tgt Ion:202 Resp: 531705

Ion	Ratio	Lower	Upper
202	100		
101	13.2	8.9	13.3
100	10.3	7.0	10.4



Instrument :
BNA_G
ClientSampleId :
D9WK4

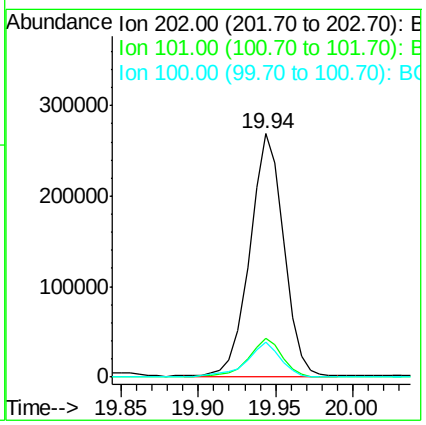
Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

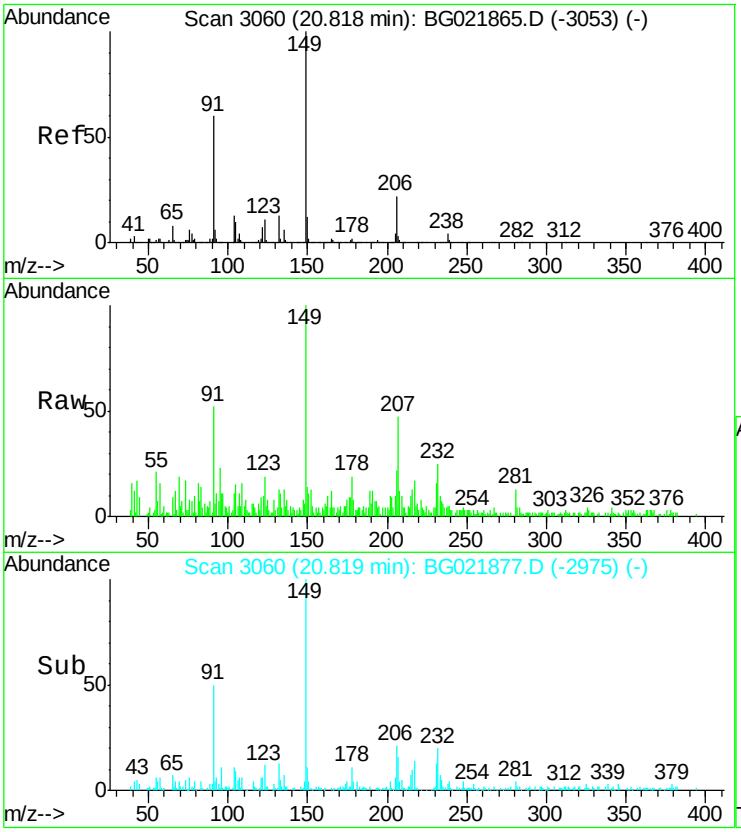


#78
Pyrene
Concen: 16.69 ng/ul m
RT: 19.94 min Scan# 2911
Delta R.T. 0.00 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:202 Resp: 414165

Ion	Ratio	Lower	Upper
202	100		
101	15.8	9.8	14.8#
100	14.4	9.3	13.9#





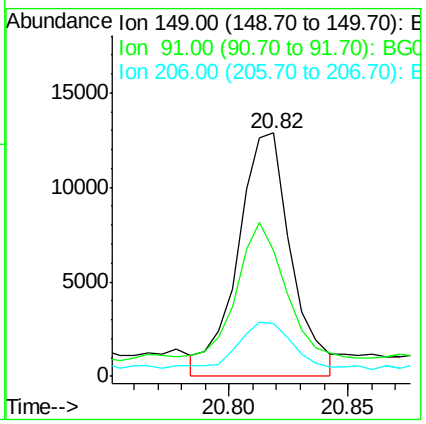
#79
Butylbenzylphthalate
Concen: 3.71 ng/ul m
RT: 20.82 min Scan# 3060
Delta R.T. 0.00 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

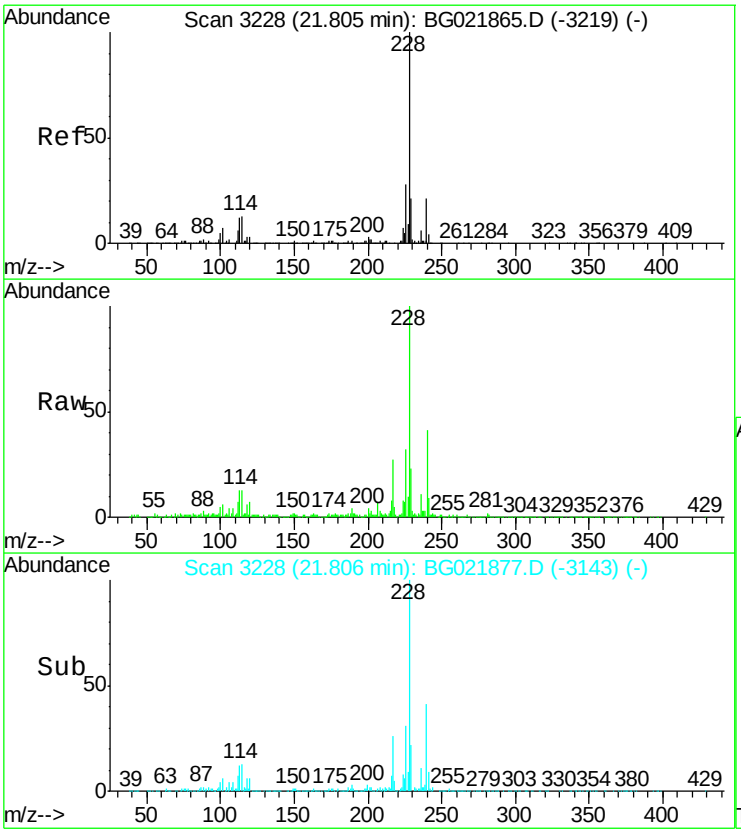
Tgt Ion:149 Resp: 20328

Ion	Ratio	Lower	Upper
149	100		
91	51.6	65.8	98.8#
206	21.6	15.5	23.3

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

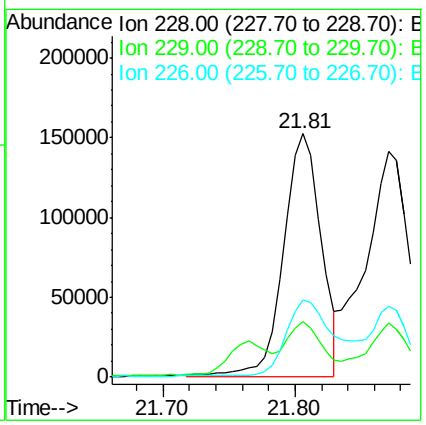


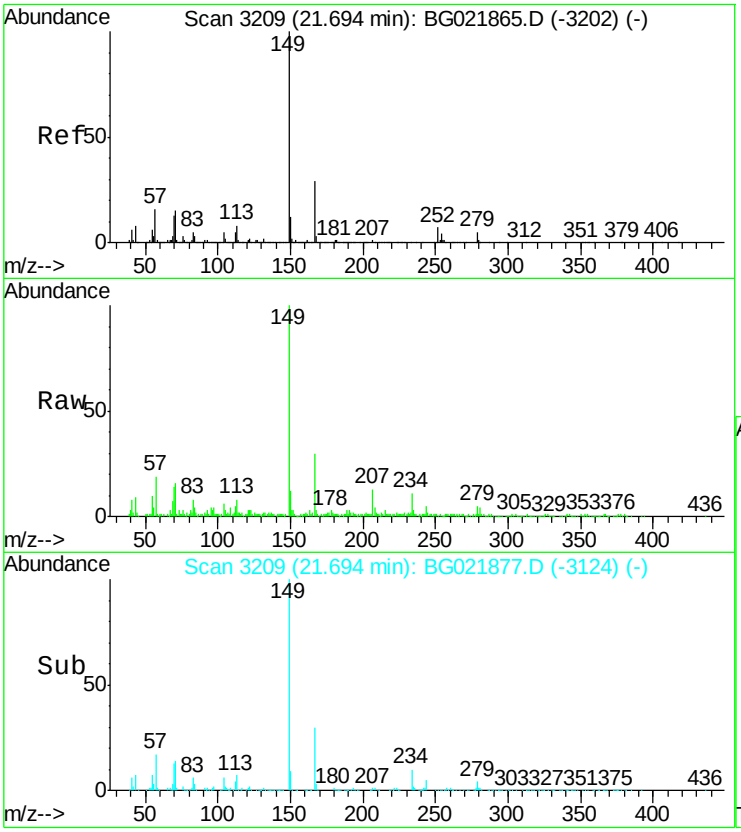


#81
Benzo(a)anthracene
Concen: 12.85 ng/ul m
RT: 21.81 min Scan# 3228
Delta R.T. 0.00 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:228 Resp: 306690

Ion	Ratio	Lower	Upper
228	100		
229	22.9	16.6	25.0
226	31.7	21.0	31.4#





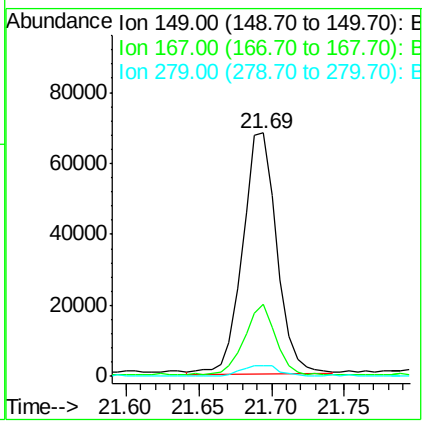
#82
Bis(2-ethylhexyl)phthalate
Concen: 12.41 ng/ul m
RT: 21.69 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

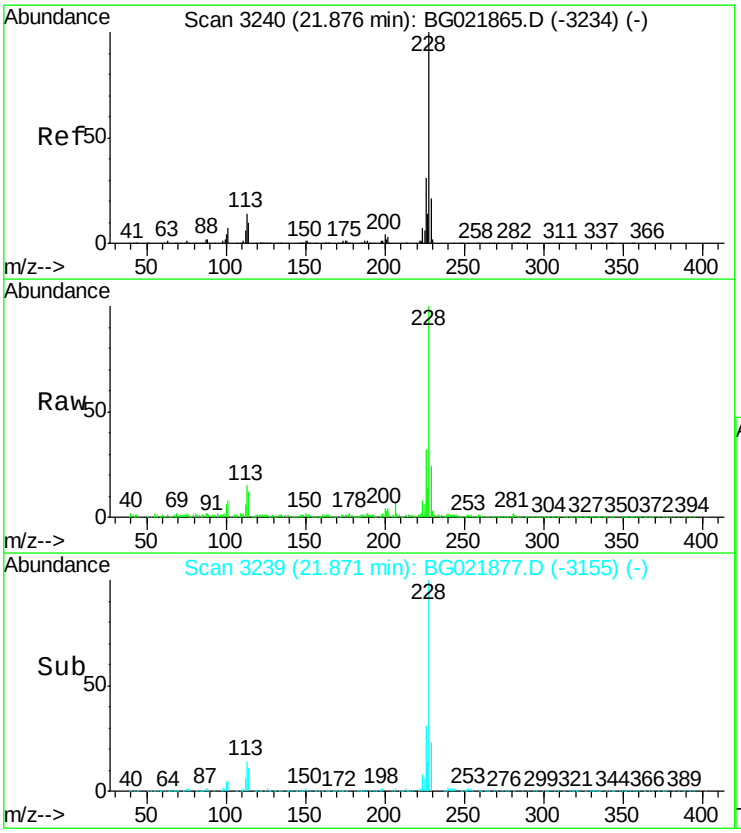
Tgt Ion:149 Resp: 111143

Ion	Ratio	Lower	Upper
149	100		
167	29.5	20.5	30.7
279	4.6	3.7	5.5

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

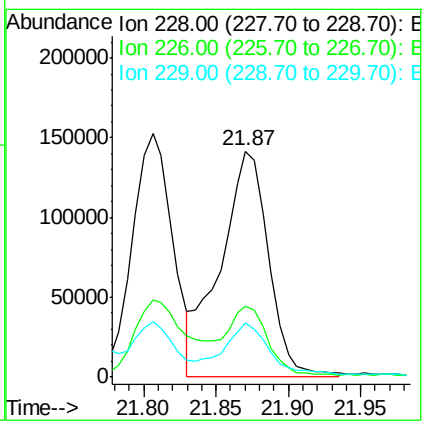


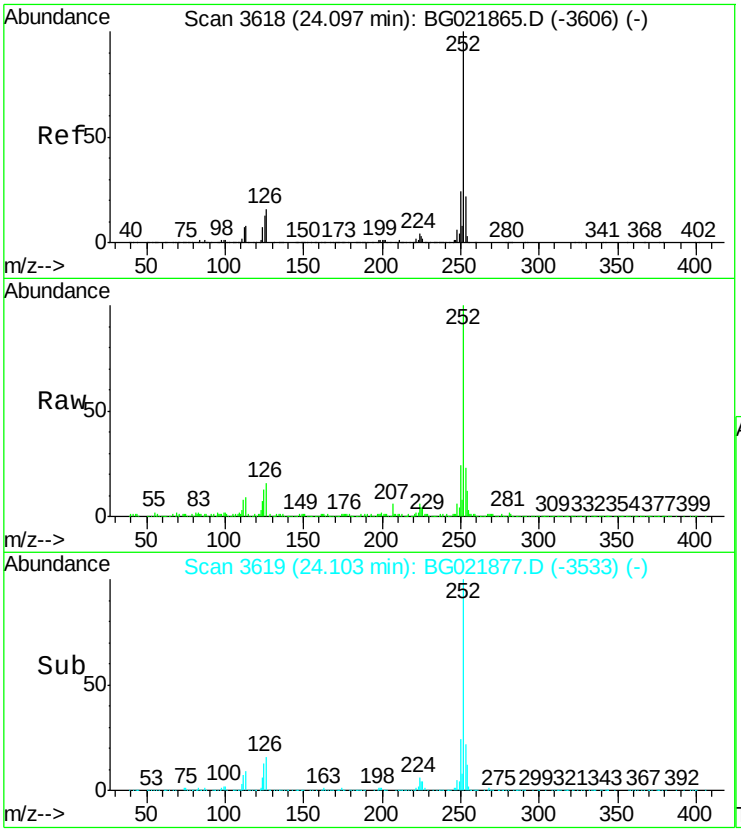


#83
Chrysene
Concen: 14.06 ng/ul m
RT: 21.87 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:228 Resp: 331952

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	23.9	16.2	24.2

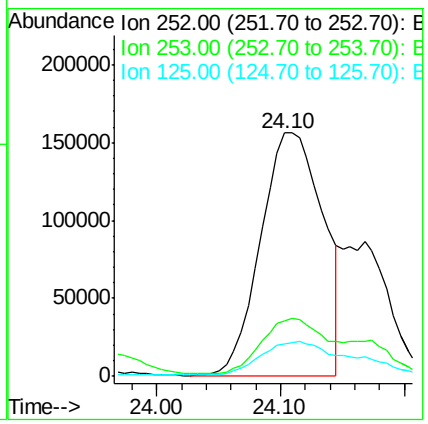




#86
Benzo(b)fluoranthene
Concen: 21.52 ng/ul m
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

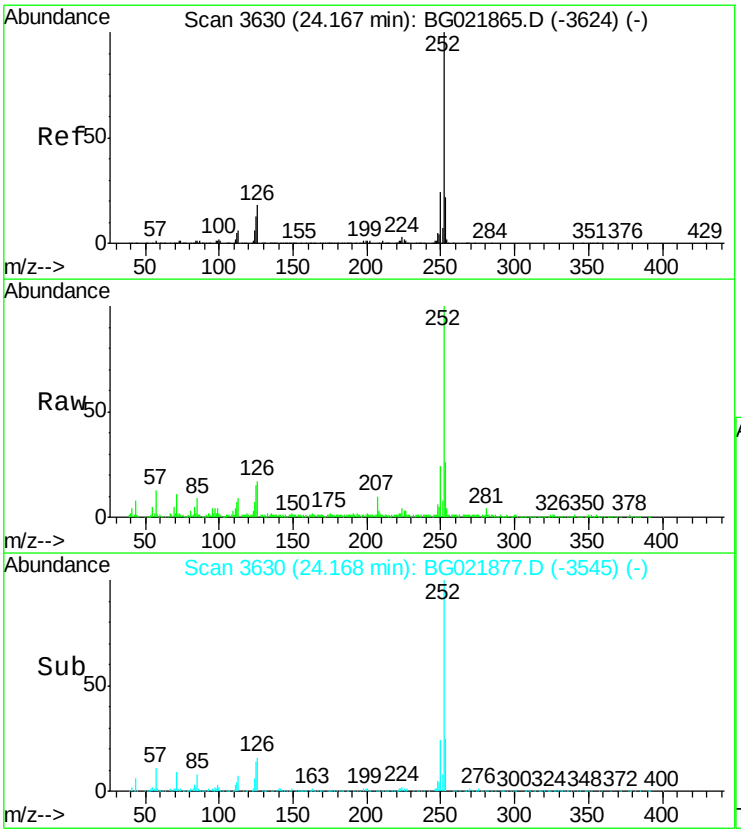
Tgt Ion:252 Resp: 545479

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.5	7.6	11.4#



Instrument :
BNA_G
ClientSampleId :
D9WK4

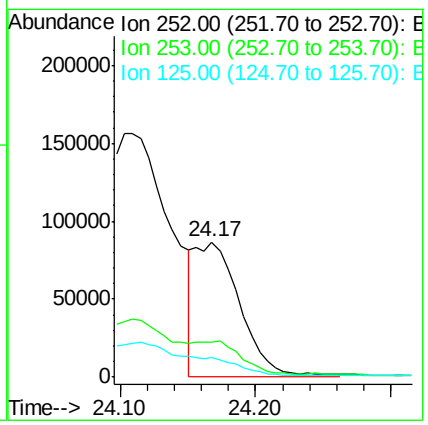
Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

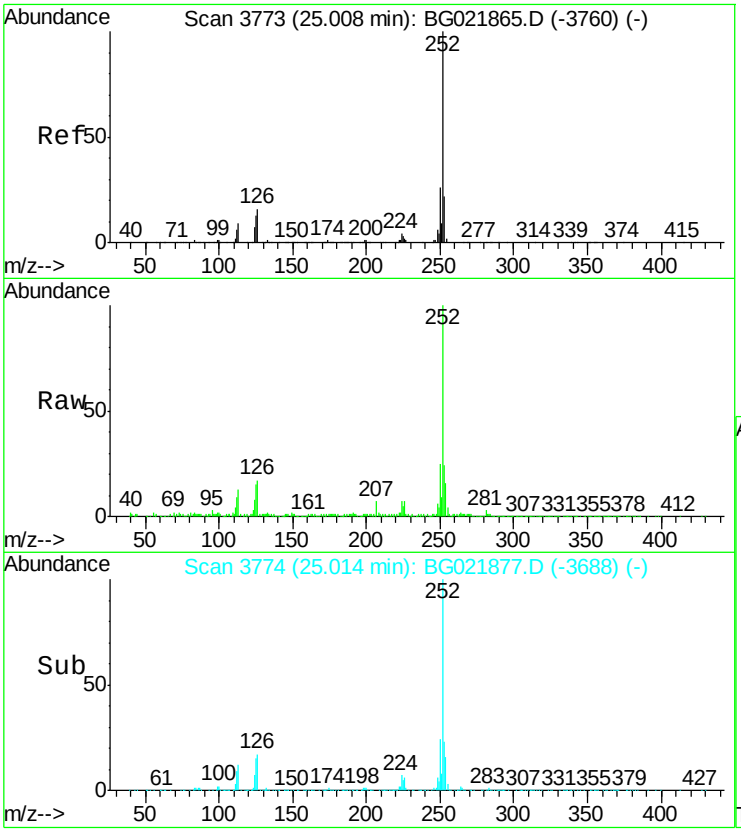


#87
Benzo(k)fluoranthene
Concen: 7.43 ng/ul m
RT: 24.17 min Scan# 3630
Delta R.T. 0.00 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:252 Resp: 201769

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	14.7	7.7	11.5#

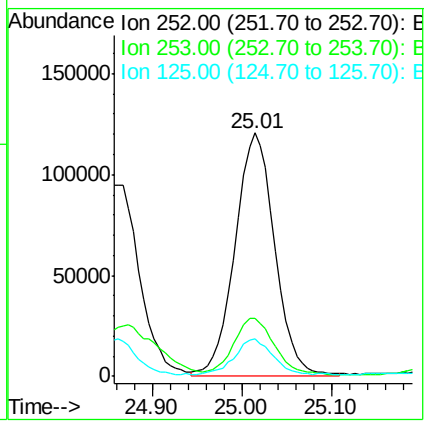




#89
Benzo(a)pyrene
Concen: 14.74 ng/ul m
RT: 25.01 min Scan# 3774
Delta R.T. 0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

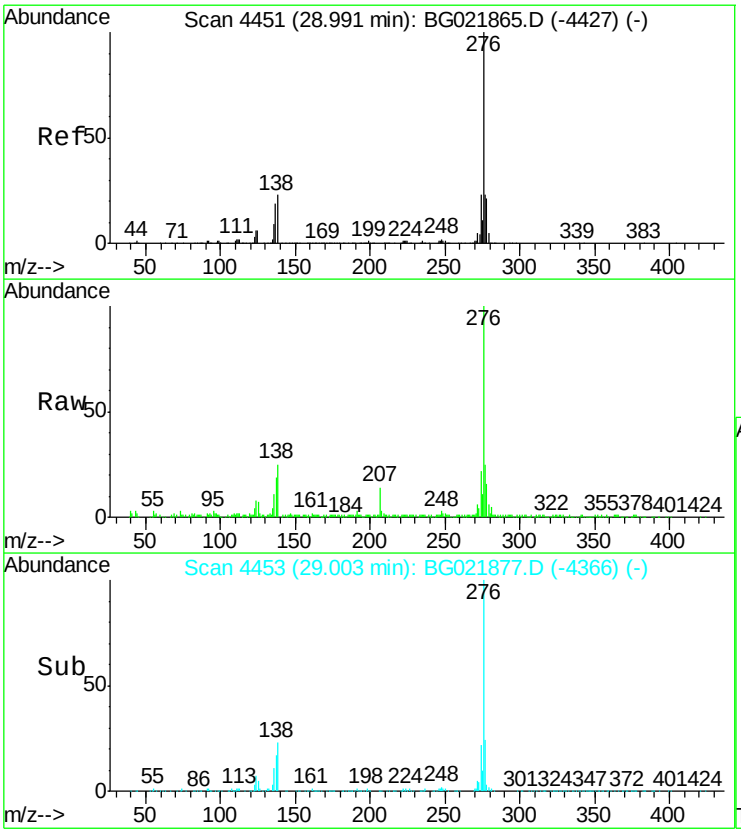
Tgt Ion:252 Resp: 371899

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	15.5	8.2	12.2#



Instrument :
BNA_G
ClientSampleId :
D9WK4

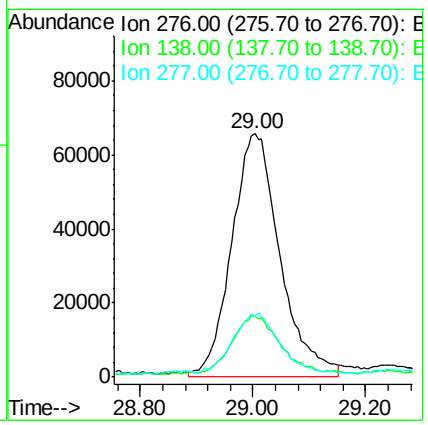
Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM

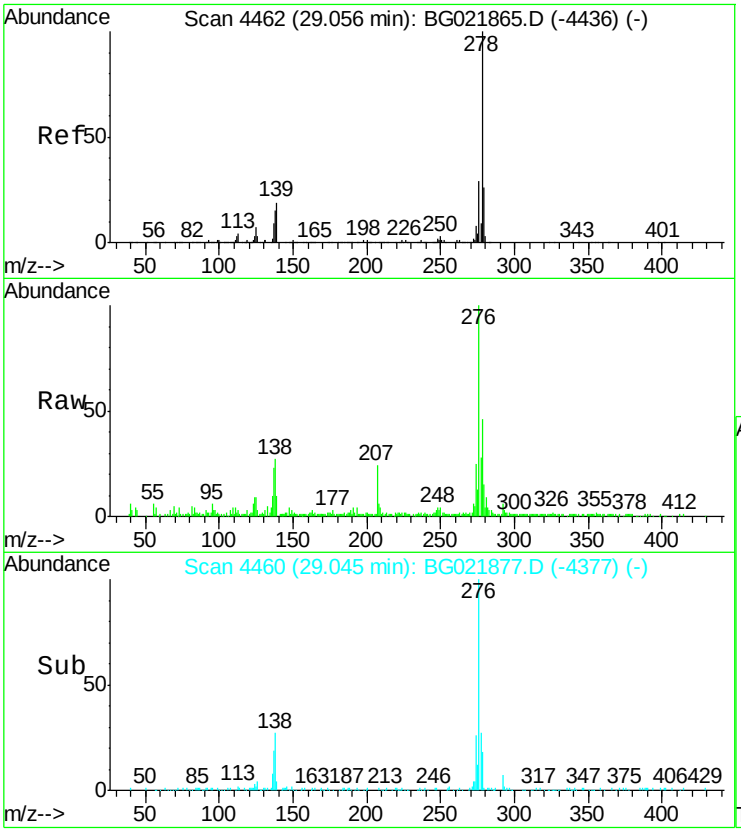


#90
Indeno(1,2,3-cd)pyrene
Concen: 13.11 ng/ul m
RT: 29.00 min Scan# 4453
Delta R.T. 0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:276 Resp: 391969

Ion	Ratio	Lower	Upper
276	100		
138	24.9	15.8	23.6#
277	24.9	19.0	28.6





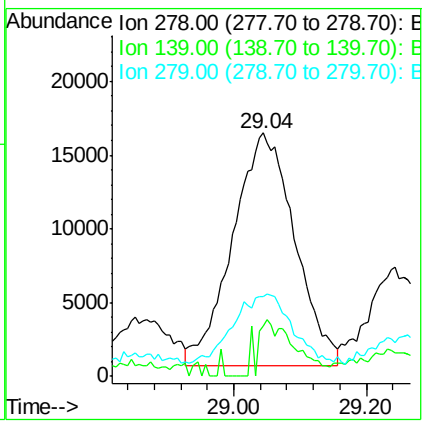
#91
Dibenzo(a,h)anthracene
Concen: 4.14 ng/ul m
RT: 29.04 min Scan# 4460
Delta R.T. -0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

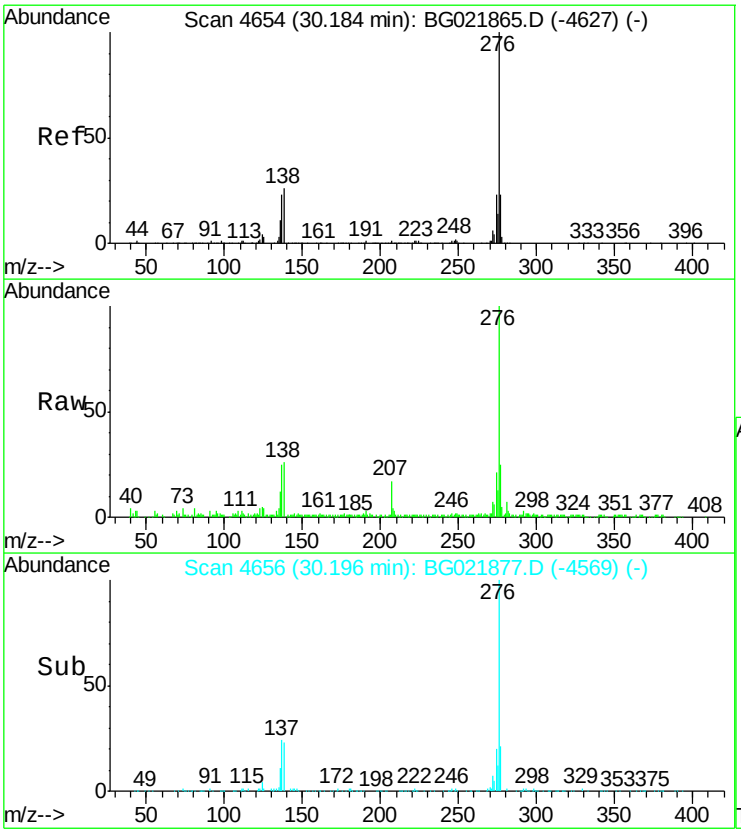
Tgt Ion:278 Resp: 102982

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.1	18.1#
279	33.0	19.8	29.8#

Instrument :
BNA_G
ClientSampleId :
D9WK4

Manual Integrations APPROVED
sohil
5/13/2016 8:12:32 PM





#92
Benzo(g,h,i)perylene
Concen: 13.39 ng/ul m
RT: 30.20 min Scan# 4656
Delta R.T. 0.01 min
Lab File: BG021877.D
Acq: 12 May 2016 20:35

Tgt Ion:276 Resp: 330546

Ion	Ratio	Lower	Upper
276	100		
138	25.6	13.9	20.9#
277	24.9	19.8	29.6