Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
Data File : BG020643.D
Acq On : 31 Dec 2015 15:57
Operator : UM/SJ
Sample : G4846-18DL 25X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64DL

Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

Quant Time: Jan 01 03:52:00 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20801	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	90316	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	69075	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	179510	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	219230	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	209181	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.39	67	1221	1.15	ng/ul	0.01
9) 2-Chlorophenol-d4	7.59	132	1275	0.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	719m	0.48	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	644	0.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	718m	0.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	1582m	1.03	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	8238	1.46	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	9728	1.51	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.68	176	8200	1.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	13331	1.59	ng/ul	0.00
79) Pyrene-d10	19.83	212	15015	1.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	15808	1.51	ng/ul	-0.02
Target Compounds						Qvalue
28) Naphthalene	10.92	128	134002	28.02	ng/ul	98
34) 2-Methylnaphthalene	12.53	142	25505	7.13	ng/ul	98
41) 1,1'-Biphenyl	13.53	154	8793	1.69	ng/ul#	95
50) Acenaphthene	14.76	153	46765	10.11	ng/ul	100
54) Dibenzofuran	15.09	168	36697	5.25	ng/ul	98
59) Fluorene	15.74	166	32215	5.73	ng/ul	93
70) Phenanthrene	17.48	178	92785	9.51	ng/ul	99
75) Carbazole	17.85	167	30903	3.67	ng/ul	98
77) Fluoranthene	19.49	202	20280	1.70	ng/ul	99

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

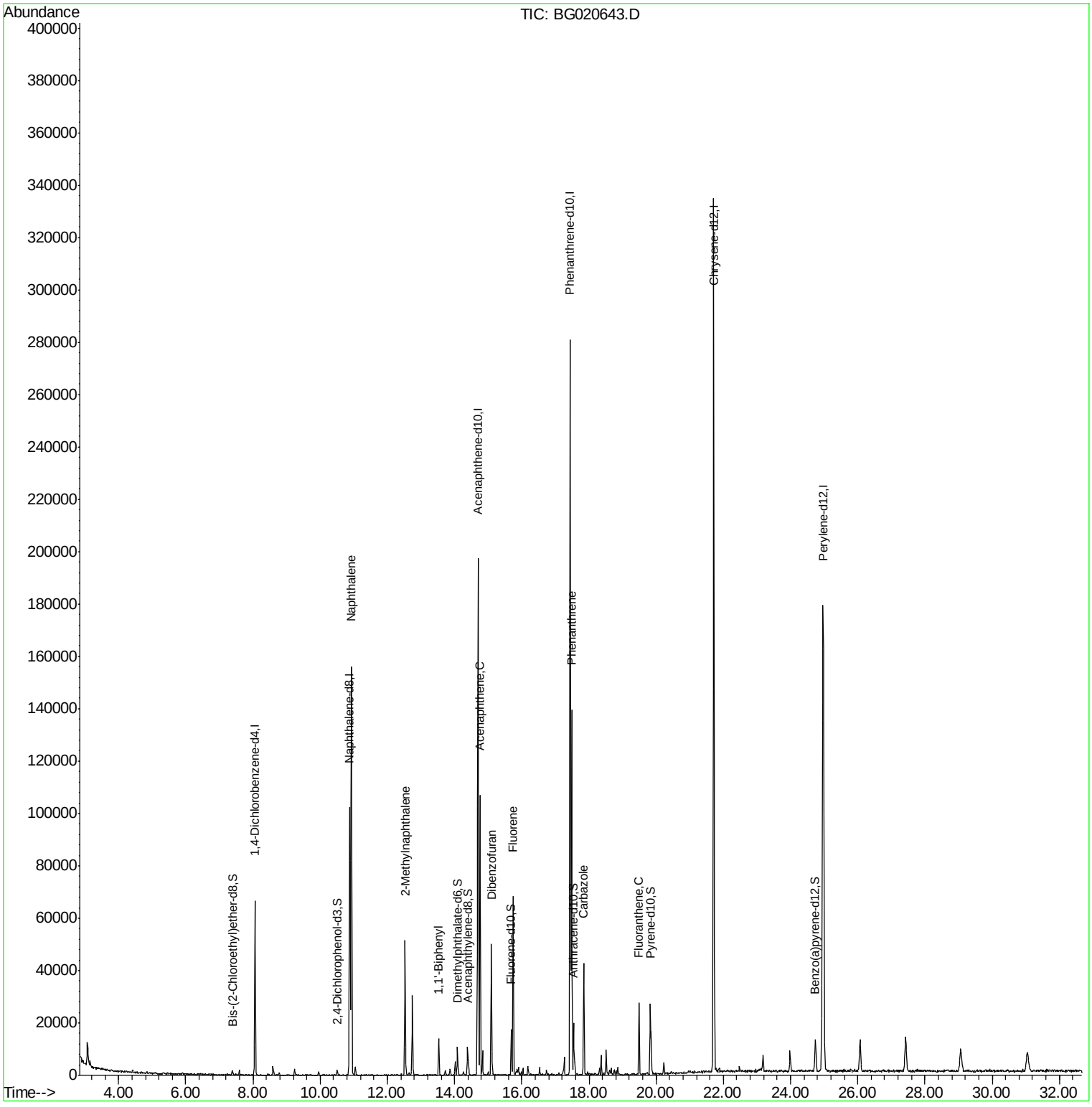
Quantitation Report (LSC Reviewed)

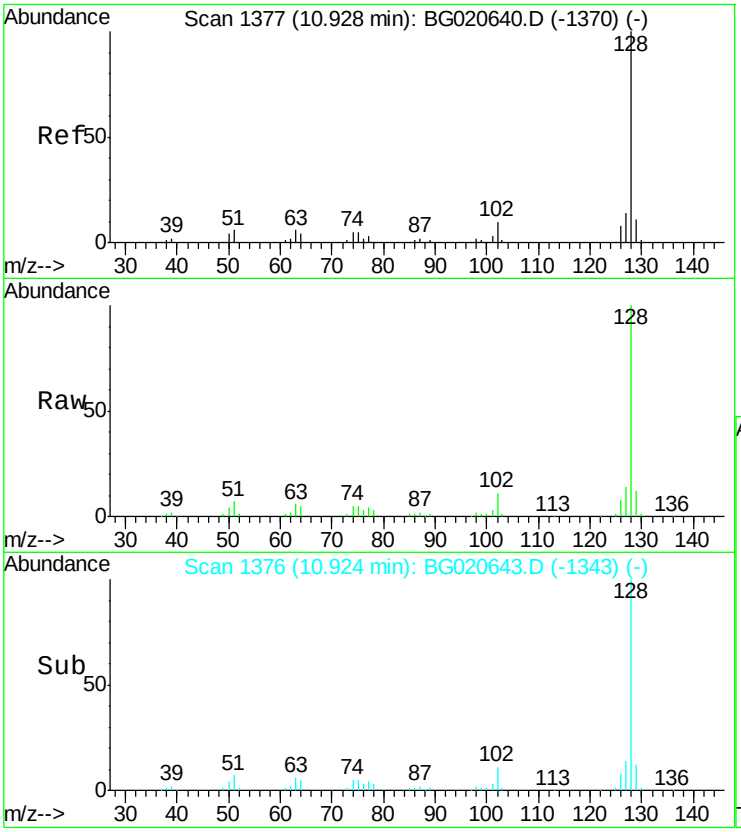
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
Data File : BG020643.D
Acq On : 31 Dec 2015 15:57
Operator : UM/SJ
Sample : G4846-18DL 25X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 01 03:52:00 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

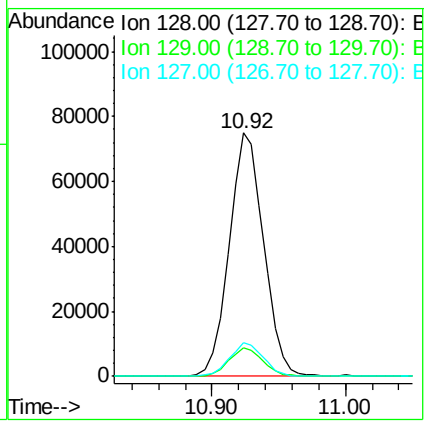




#28
Naphthalene
Concen: 28.02 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

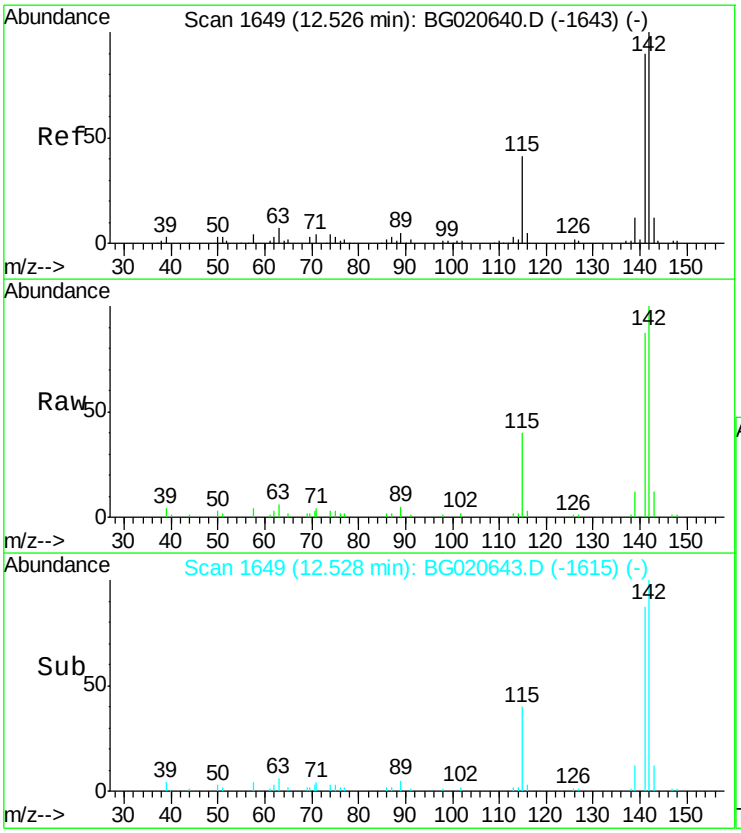
Tgt Ion:128 Resp: 134002

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	13.8	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
D9N64DL

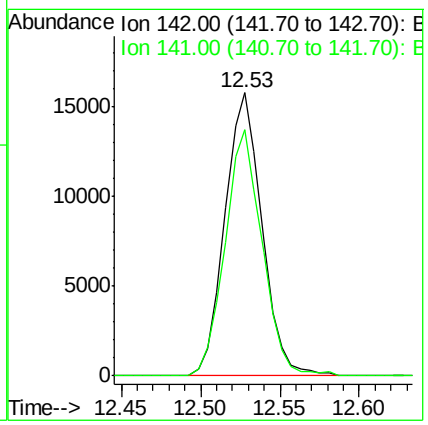
Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

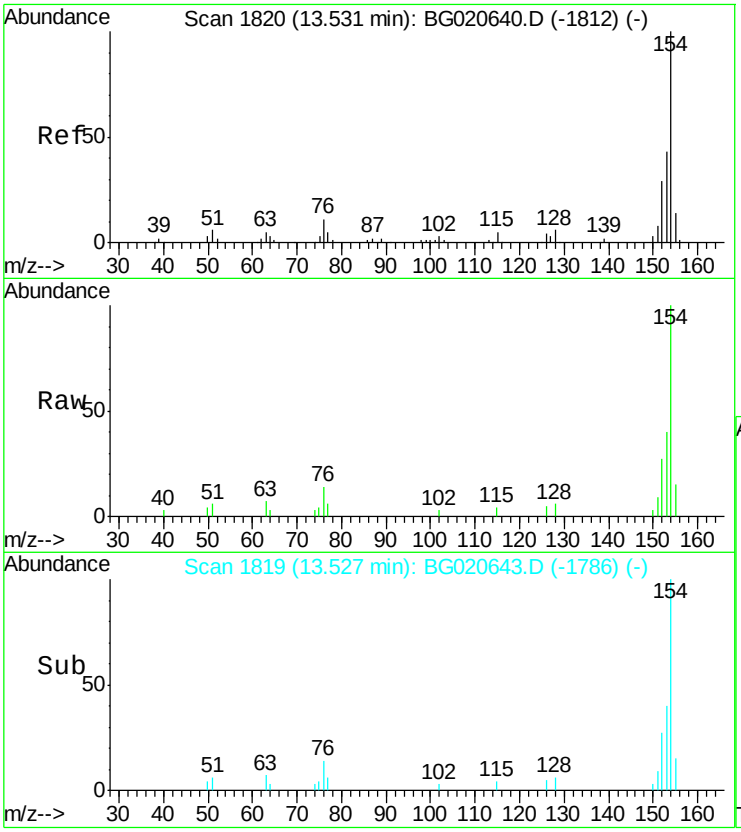


#34
2-Methylnaphthalene
Concen: 7.13 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

Tgt Ion:142 Resp: 25505

Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.4	107.2

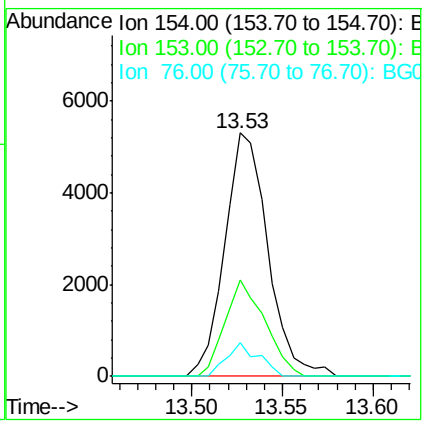




#41
1,1'-Biphenyl
Concen: 1.69 ng/ul
RT: 13.53 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

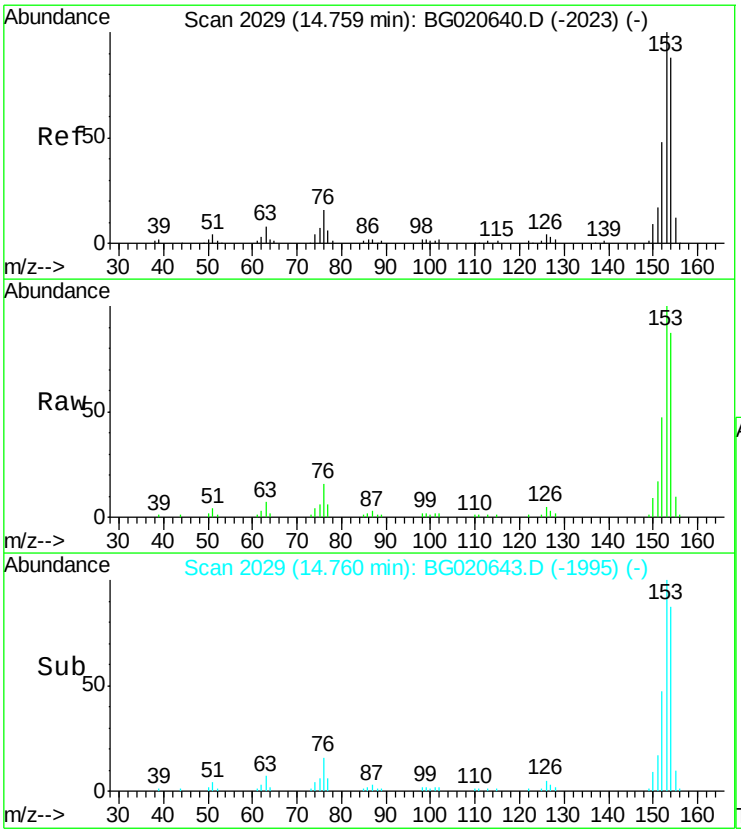
Tgt Ion:154 Resp: 8793

Ion	Ratio	Lower	Upper
154	100		
153	39.7	34.0	51.0
76	13.9	8.4	12.6#



Instrument :
BNA_G
ClientSampleId :
D9N64DL

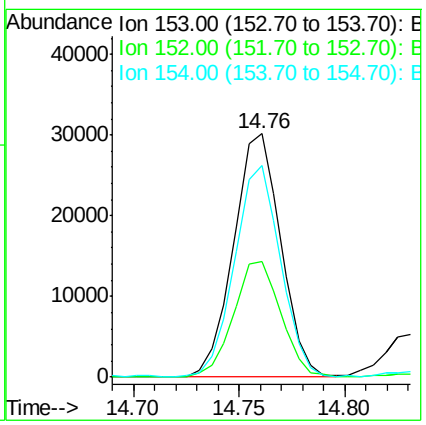
Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

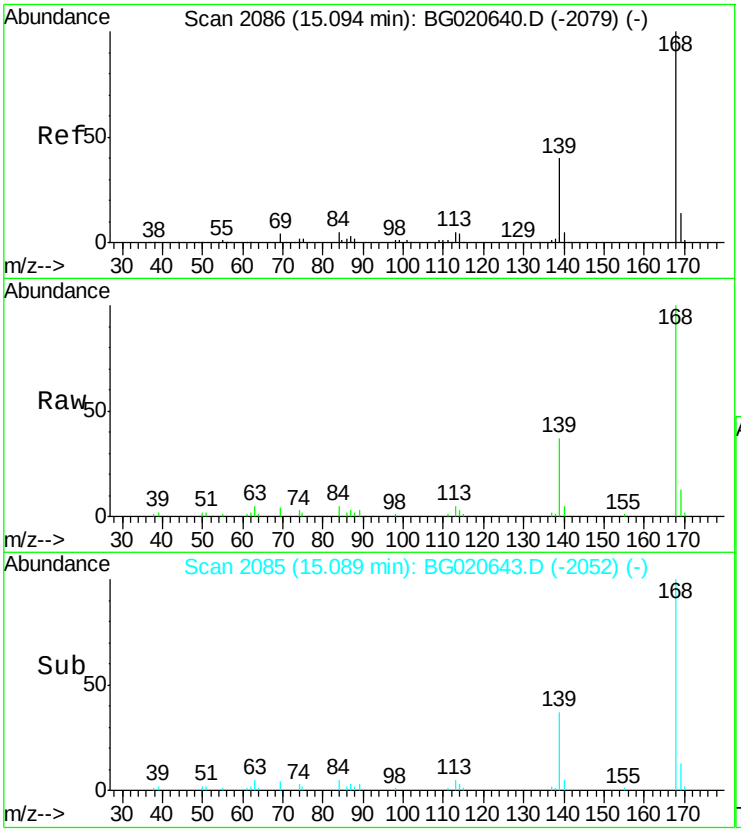


#50
Acenaphthene
Concen: 10.11 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

Tgt Ion:153 Resp: 46765

Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.9	56.9
154	86.7	69.8	104.6





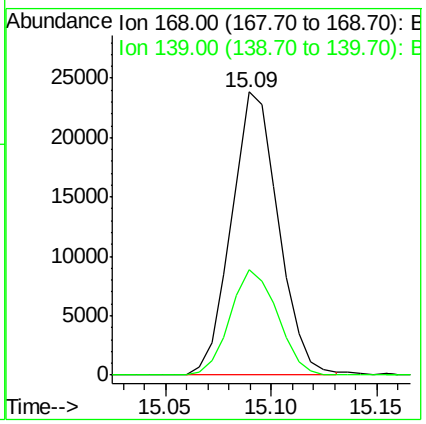
#54
Dibenzofuran
Concen: 5.25 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

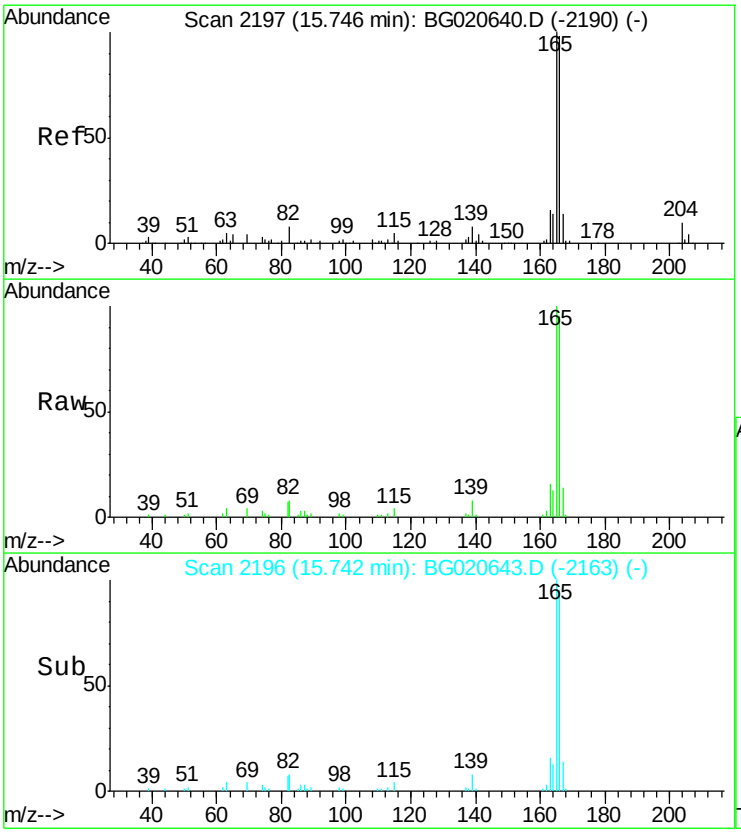
Tgt Ion:168 Resp: 36697

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.0	46.4

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

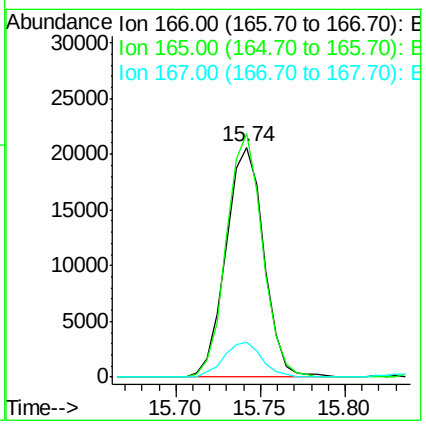


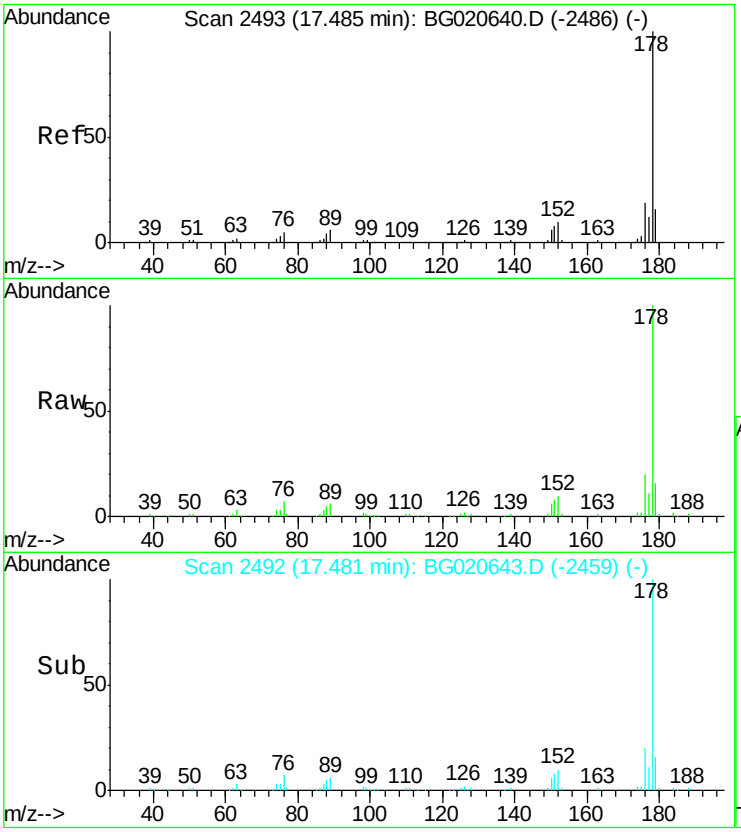


#59
Fluorene
Concen: 5.73 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

Tgt Ion:166 Resp: 32215

Ion	Ratio	Lower	Upper
166	100		
165	105.8	78.4	117.6
167	15.3	11.1	16.7

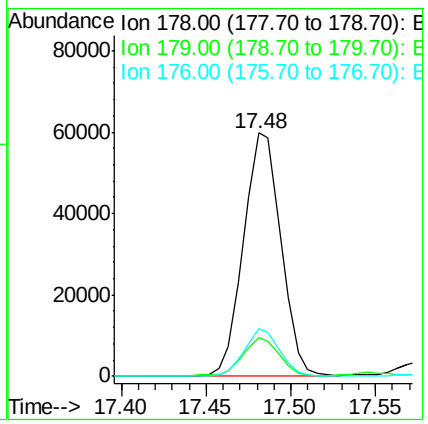




#70
Phenanthrene
Concen: 9.51 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

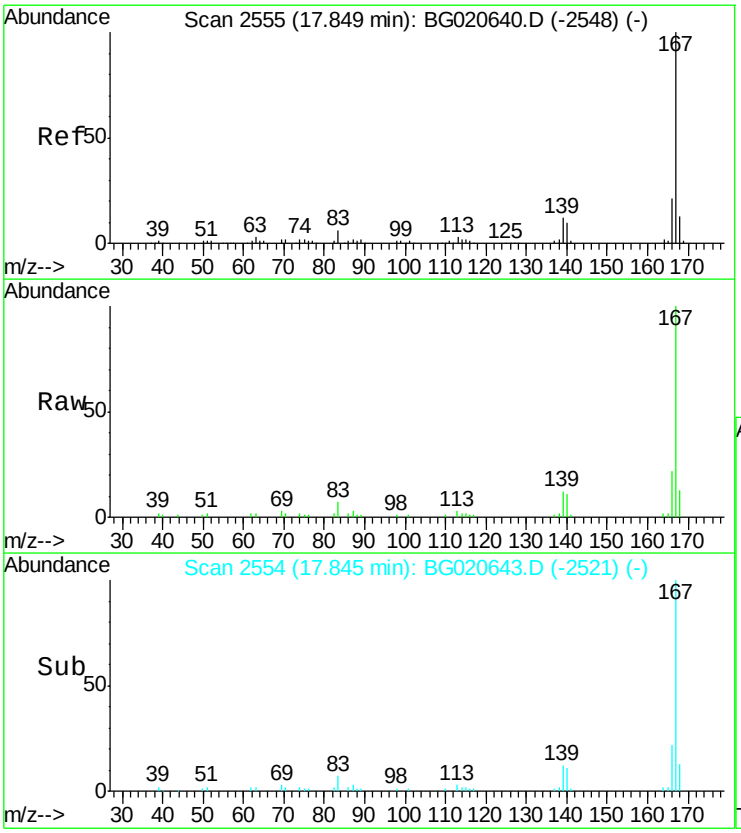
Tgt Ion:178 Resp: 92785

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.8	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
D9N64DL

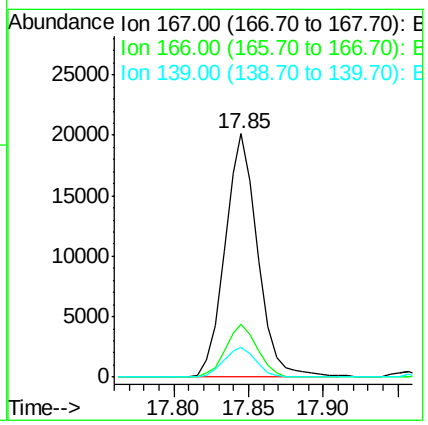
Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM

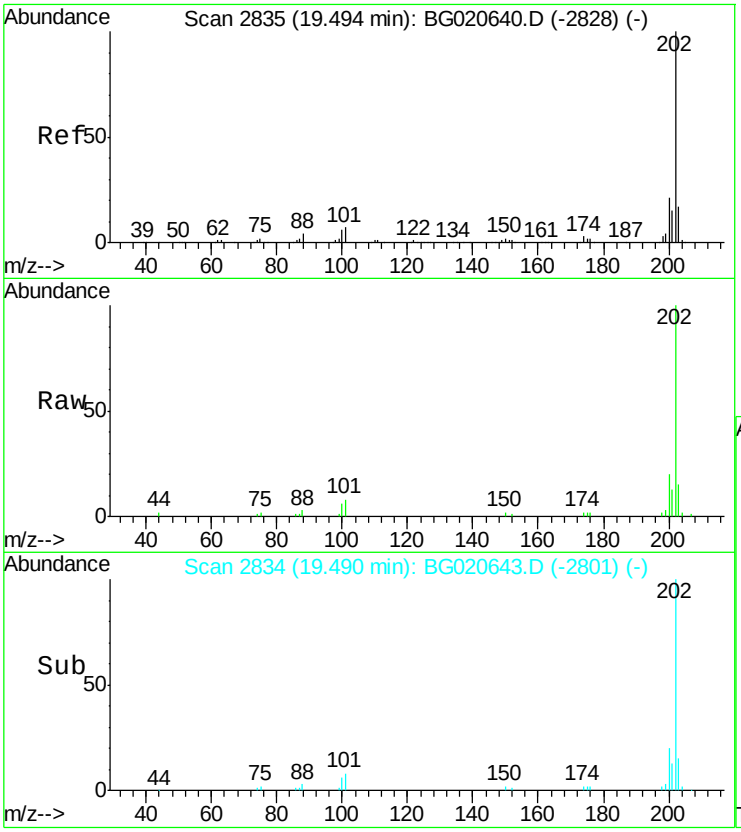


#75
Carbazole
Concen: 3.67 ng/ul
RT: 17.85 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

Tgt Ion:167 Resp: 30903

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	12.2	9.1	13.7

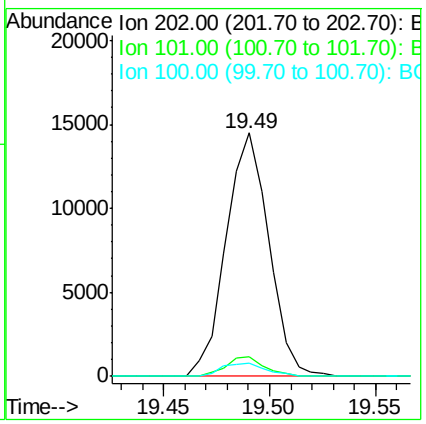




#77
Fluoranthene
Concen: 1.70 ng/ul
RT: 19.49 min Scan# 2834
Delta R.T. -0.00 min
Lab File: BG020643.D
Acq: 31 Dec 2015 15:57

Tgt Ion:202 Resp: 20280

Ion	Ratio	Lower	Upper
202	100		
101	8.3	6.1	9.1
100	5.6	4.6	7.0



Instrument :
BNA_G
ClientSampleId :
D9N64DL

Manual Integrations APPROVED
UMANGI
1/4/2016 5:35:29 PM