Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021324.D
Acq On : 6 Mar 2016 3:44
Operator : UM/SJ
Sample : H1650-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MS-SS-C280

Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

Quant Time: Mar 07 06:09:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 07 04:51:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	11253	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	53582	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	32258	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	75787	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	77955	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	73390	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	822	2.97	ng/uL	0.00
5) Phenol-d5	7.27	99	22666	19.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	16142	20.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	16990	20.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	17166	18.24	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	8693	20.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	9070	19.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	16357	19.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.07	131	9974	9.51	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	54814	20.28	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	69715	20.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	7713	14.64	ng/ul	0.00
58) Fluorene-d10	15.72	176	49841	20.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8192	15.06	ng/ul	0.00
71) Anthracene-d10	17.57	188	75813	20.12	ng/ul	0.00
79) Pyrene-d10	19.84	212	82958	21.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	81384	20.54	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.18	163	16553	5.69	ng/ul	97
50) Acenaphthene	14.80	153	8144	3.41	ng/ul	97
54) Dibenzofuran	15.13	168	7372	2.27	ng/ul	98
59) Fluorene	15.78	166	11172	3.95	ng/ul	91
70) Phenanthrene	17.51	178	116941	25.65	ng/ul	100
72) Anthracene	17.60	178	28372	6.16	ng/ul	99
75) Carbazole	17.87	167	9411	2.34	ng/ul#	94
77) Fluoranthene	19.51	202	114677	21.50	ng/ul	99
80) Pyrene	19.87	202	95944	18.37	ng/ul	99
83) Benzo(a)anthracene	21.71	228	57838	11.45	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.60	149	28376	8.06	ng/ul	97
85) Chrysene	21.78	228	51500	10.92	ng/ul	98
88) Benzo(b)fluoranthene	23.94	252	49177	9.68	ng/ul	99
89) Benzo(k)fluoranthene	24.00	252	21043m	4.29	ng/ul	
91) Benzo(a)pyrene	24.83	252	37916	7.73	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.68	276	19650	3.69	ng/ul	94
93) Dibenzo(a,h)anthracene	28.70	278	6693m	1.45	ng/ul	
94) Benzo(g,h,i)perylene	29.84	276	19573m	4.40	ng/ul	

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

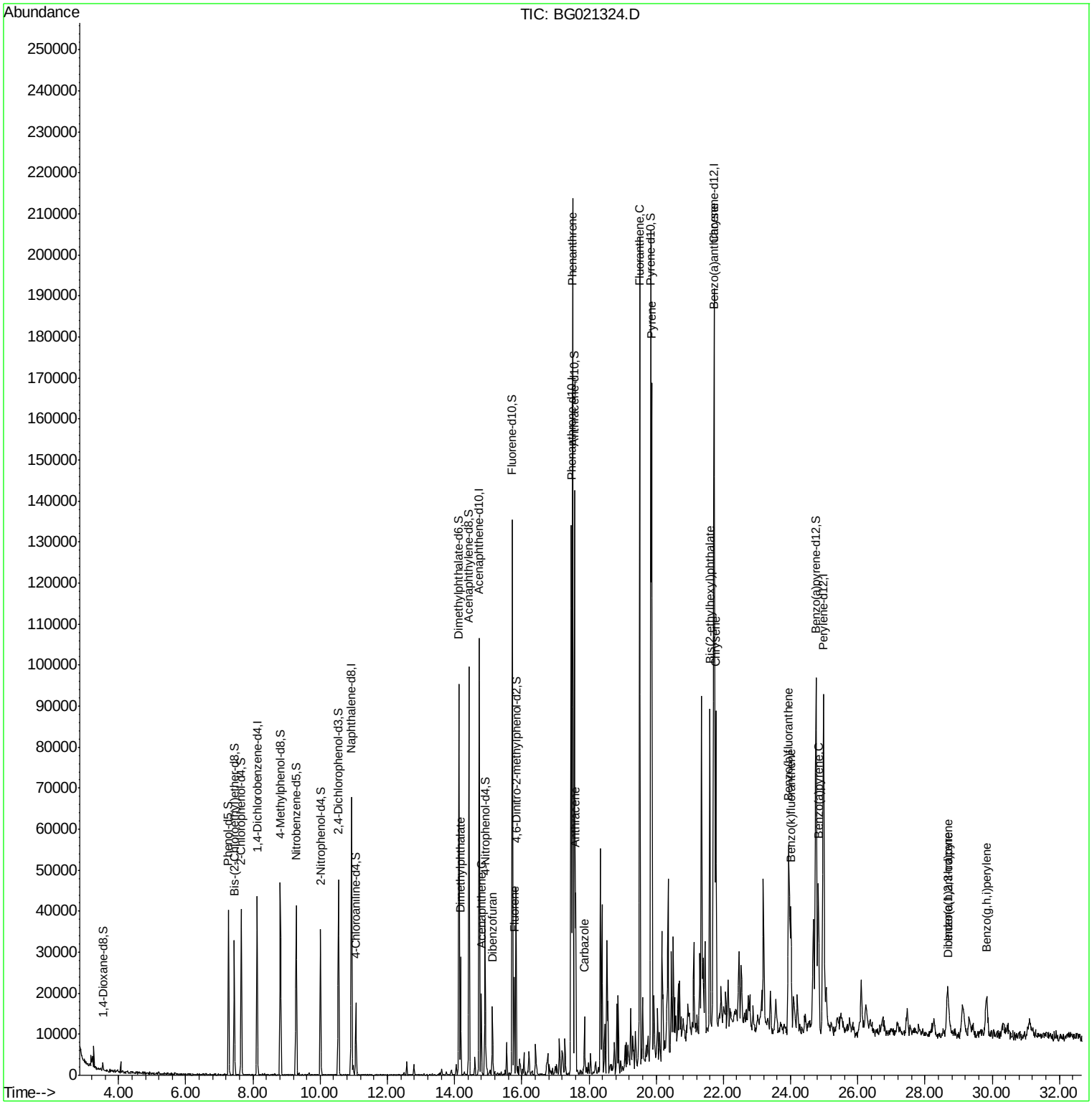
Quantitation Report (LSC Reviewed)

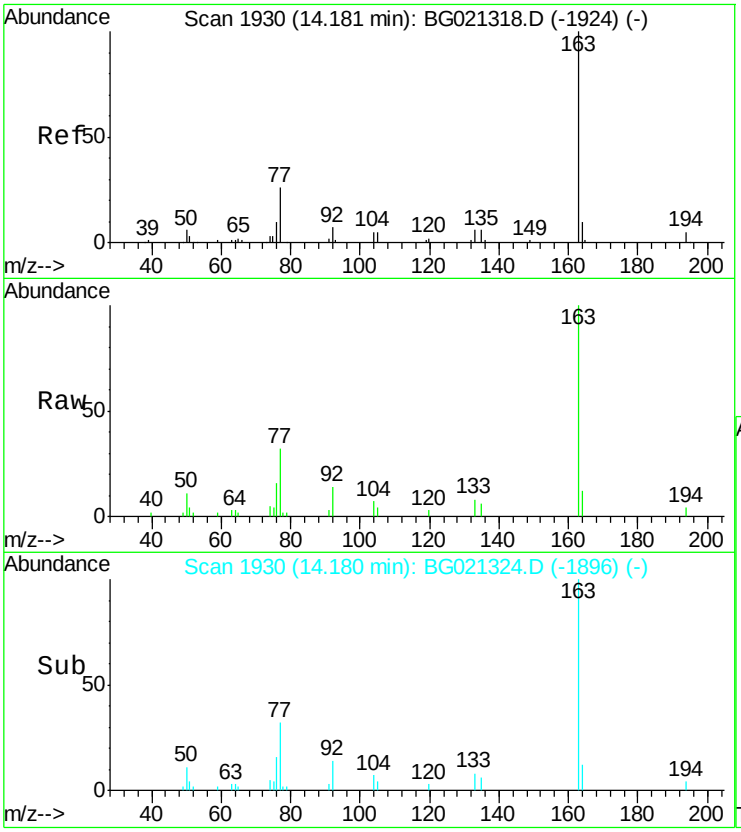
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030516\
Data File : BG021324.D
Acq On : 6 Mar 2016 3:44
Operator : UM/SJ
Sample : H1650-21
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 07 06:09:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 07 04:51:57 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

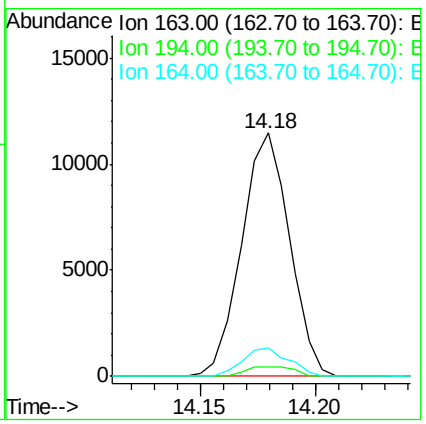




#45
Dimethylphthalate
Concen: 5.69 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

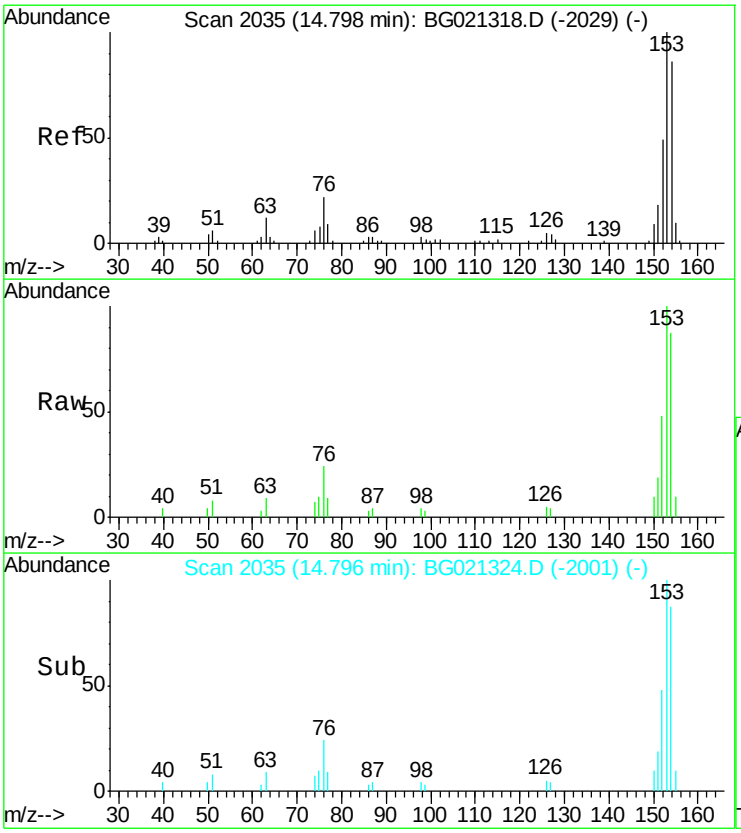
Tgt Ion:163 Resp: 16553

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.8	4.2
164	11.6	8.2	12.2



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

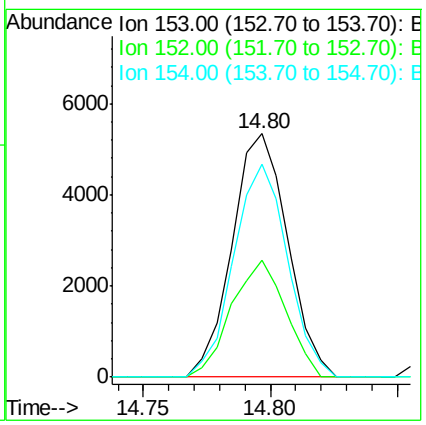
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

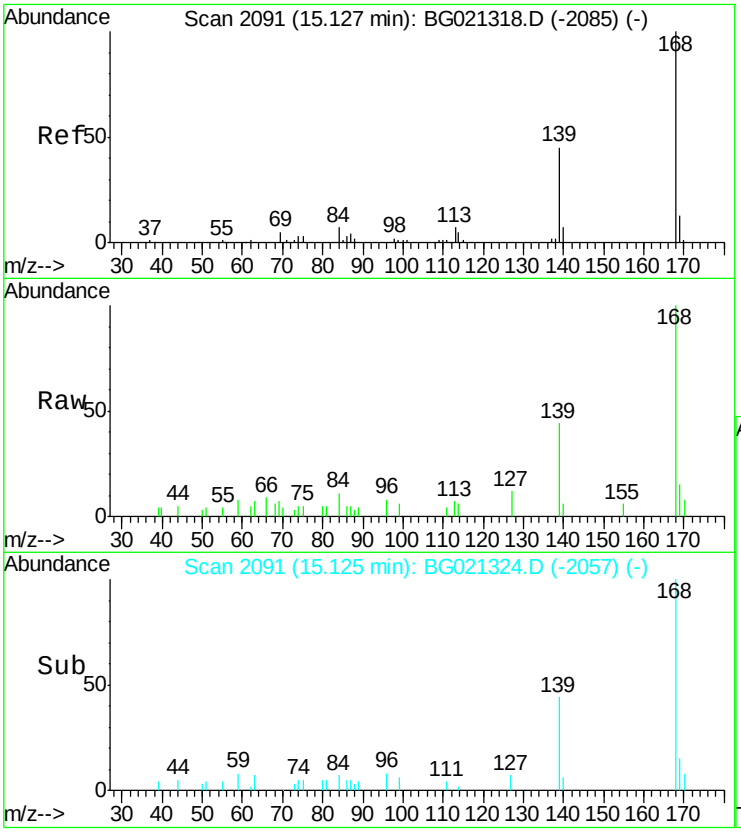


#50
Acenaphthene
Concen: 3.41 ng/ul
RT: 14.80 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:153 Resp: 8144

Ion	Ratio	Lower	Upper
153	100		
152	48.1	39.0	58.6
154	87.4	66.8	100.2

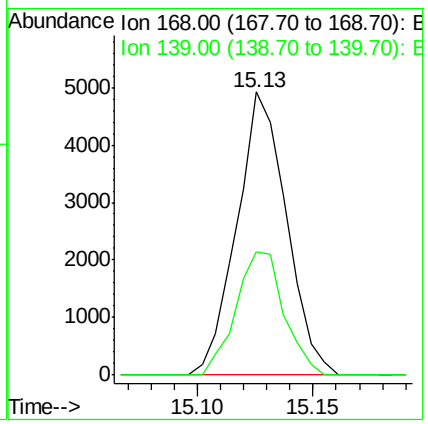




#54
Dibenzofuran
Concen: 2.27 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

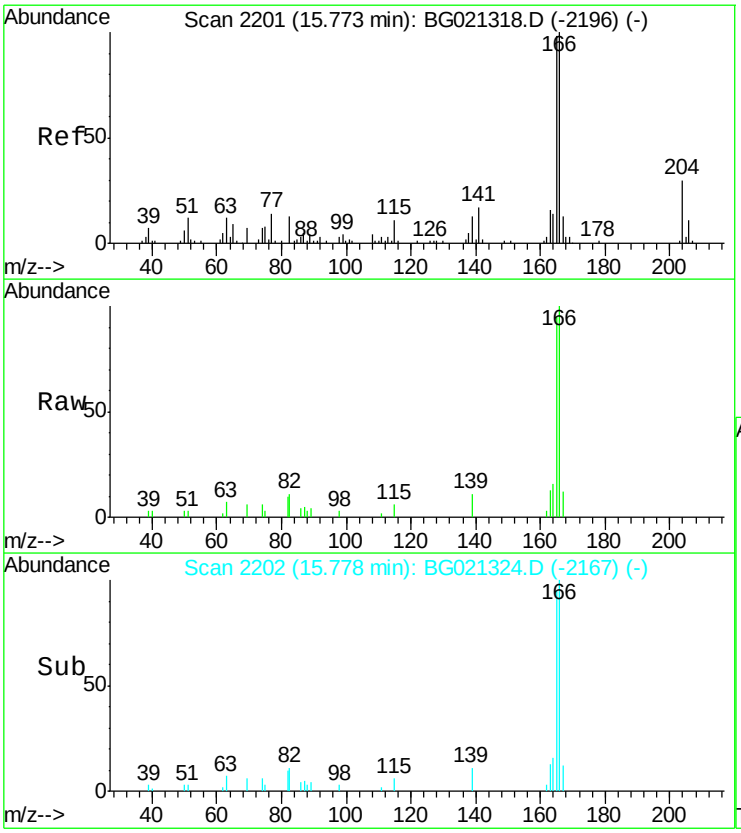
Tgt Ion:168 Resp: 7372

Ion	Ratio	Lower	Upper
168	100		
139	43.6	35.7	53.5



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

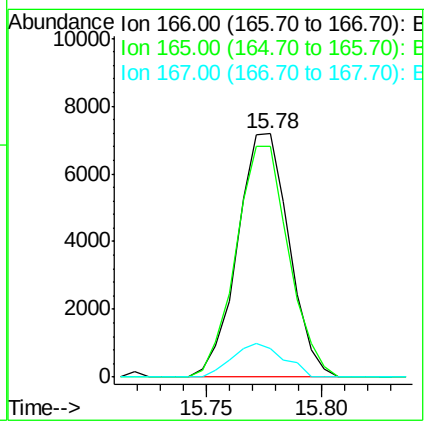
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

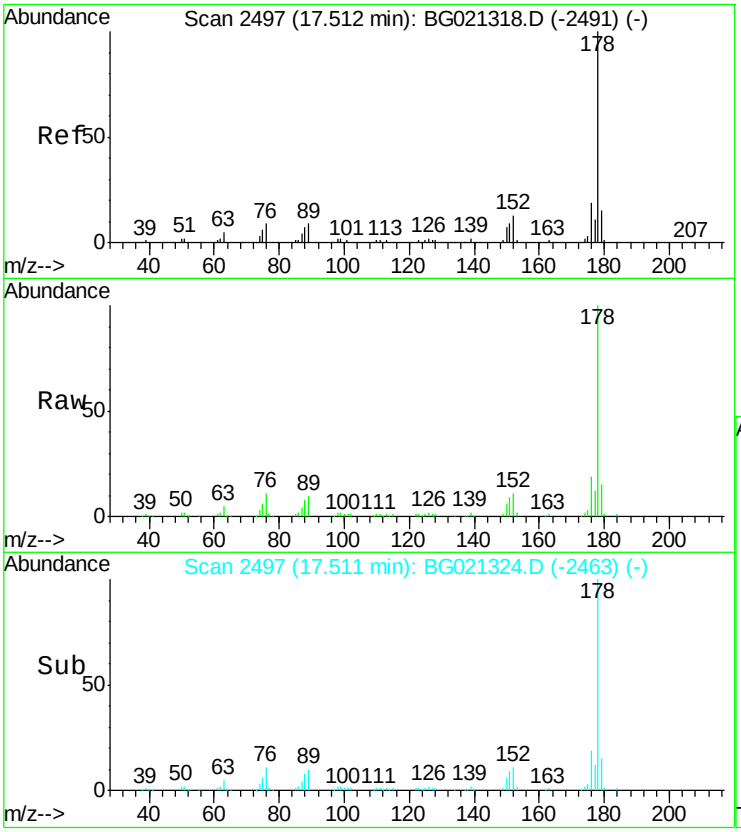


#59
Fluorene
Concen: 3.95 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:166 Resp: 11172

Ion	Ratio	Lower	Upper
166	100		
165	95.0	83.8	125.8
167	11.6	11.5	17.3

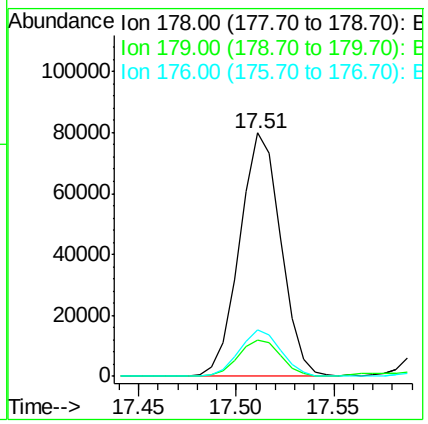




#70
Phenanthrene
Concen: 25.65 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

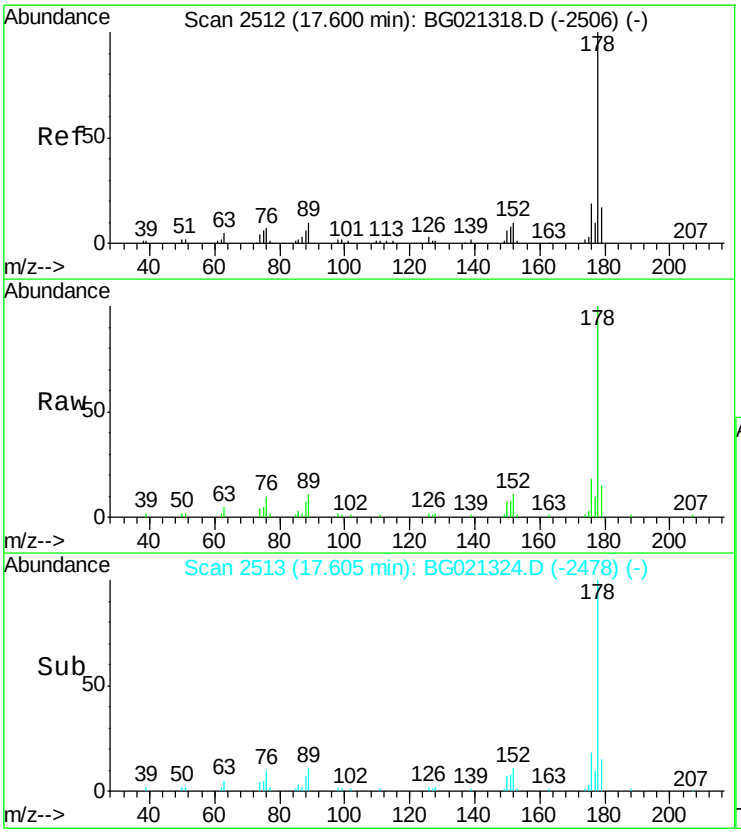
Tgt Ion:178 Resp: 116941

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.9	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

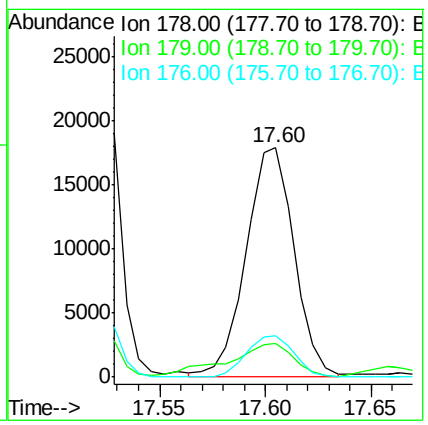
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

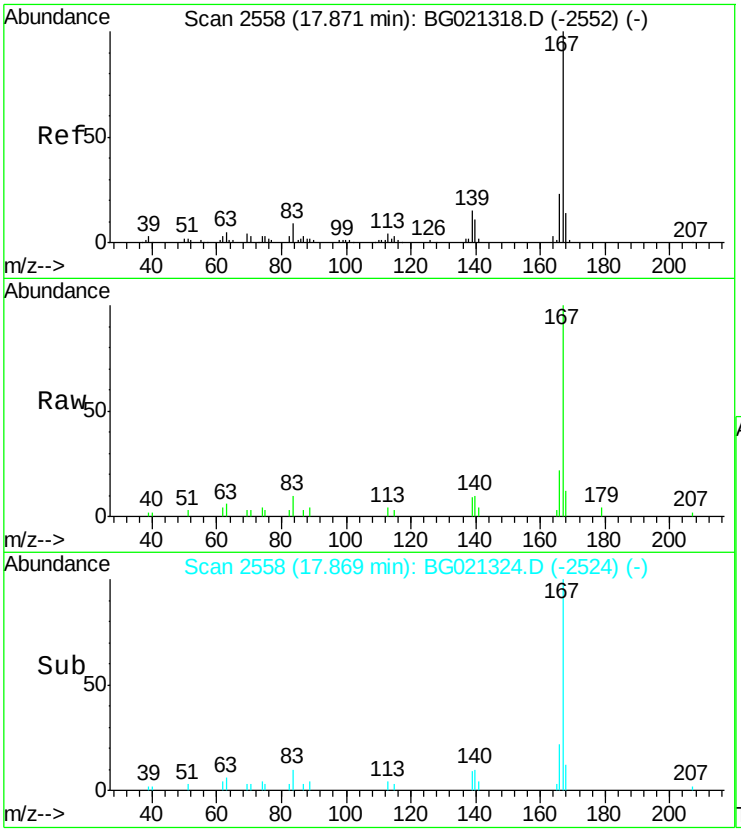


#72
Anthracene
Concen: 6.16 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:178 Resp: 28372

Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.8	17.8
176	18.3	15.2	22.8

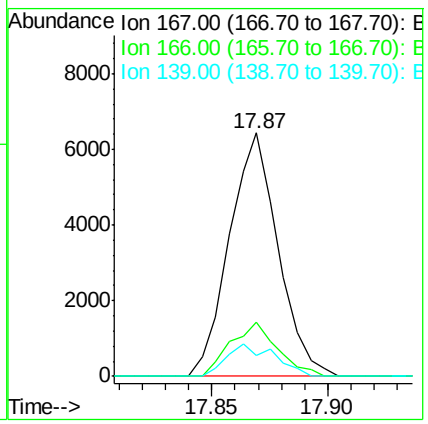




#75
Carbazole
Concen: 2.34 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

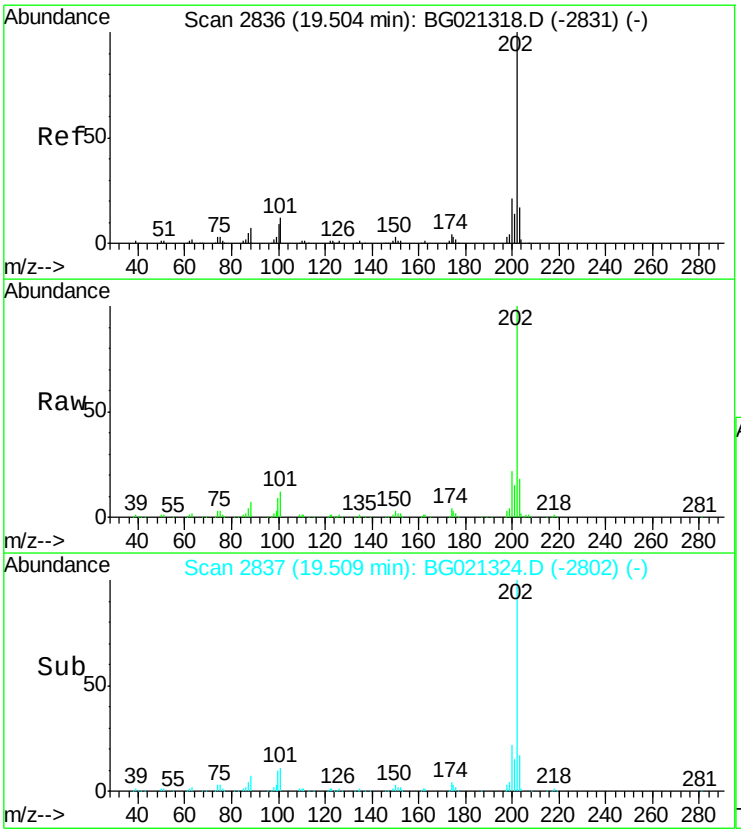
Tgt Ion:167 Resp: 9411

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	8.7	11.8	17.6#



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

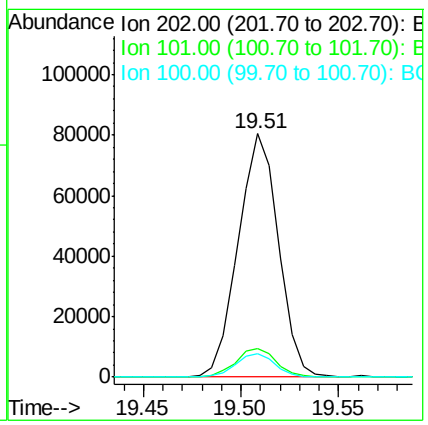
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

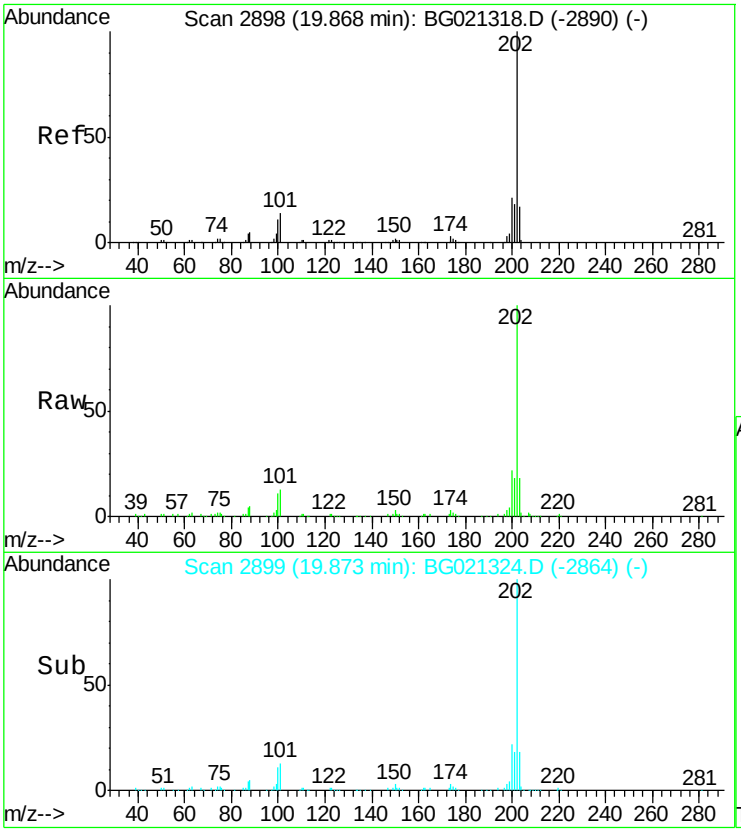


#77
Fluoranthene
Concen: 21.50 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:202 Resp: 114677

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.9	14.9
100	9.5	7.4	11.0

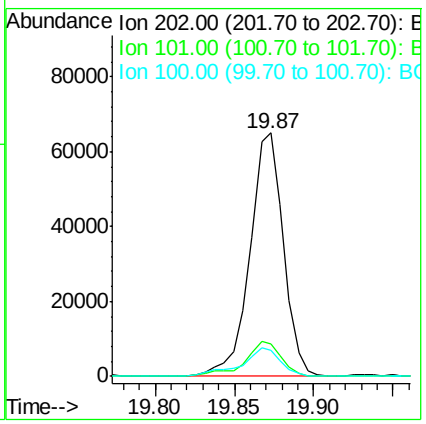




#80
Pyrene
Concen: 18.37 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

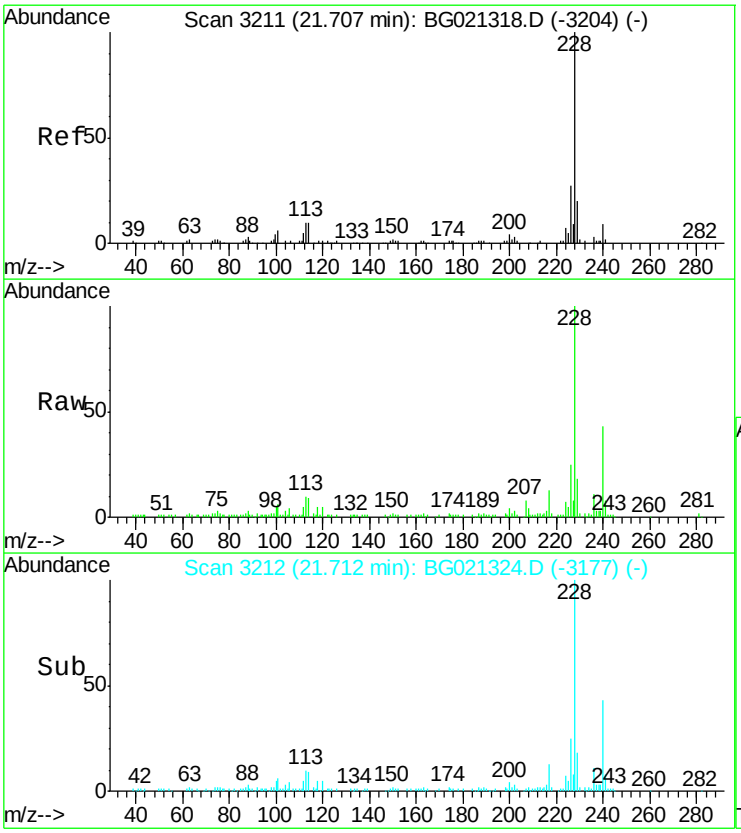
Tgt Ion:202 Resp: 95944

Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.0	16.4
100	10.7	8.1	12.1



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

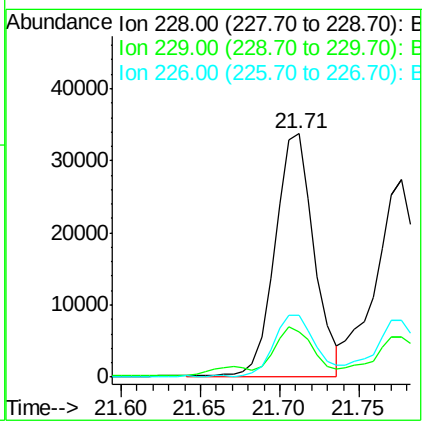
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

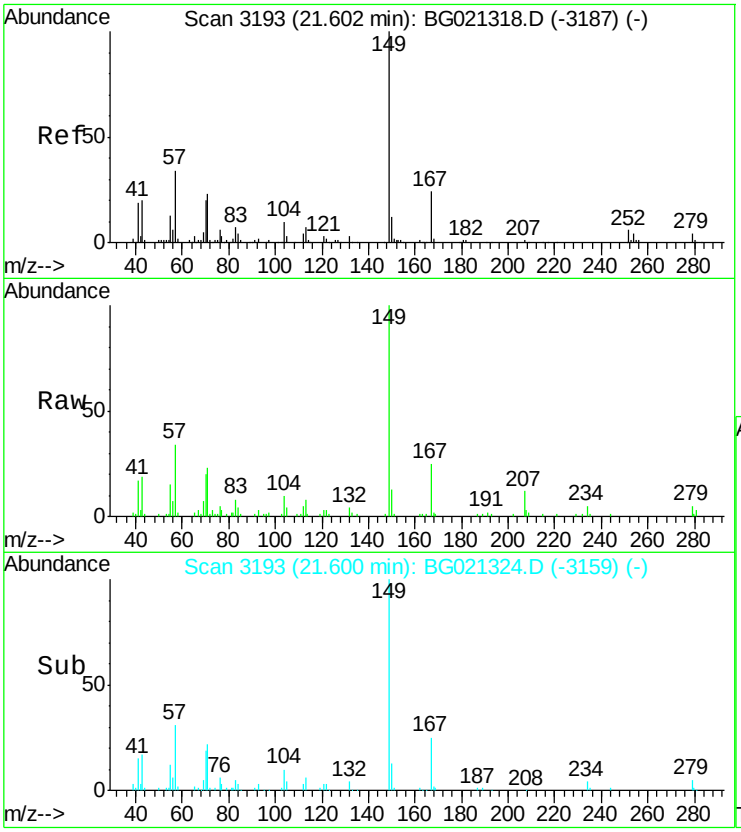


#83
Benzo(a)anthracene
Concen: 11.45 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:228 Resp: 57838

Ion	Ratio	Lower	Upper
228	100		
229	18.5	15.7	23.5
226	25.3	21.1	31.7

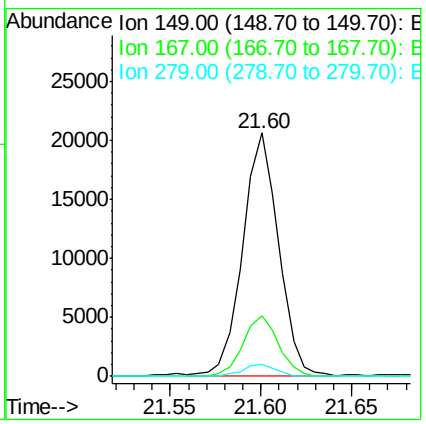




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.06 ng/ul
RT: 21.60 min Scan# 3193
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

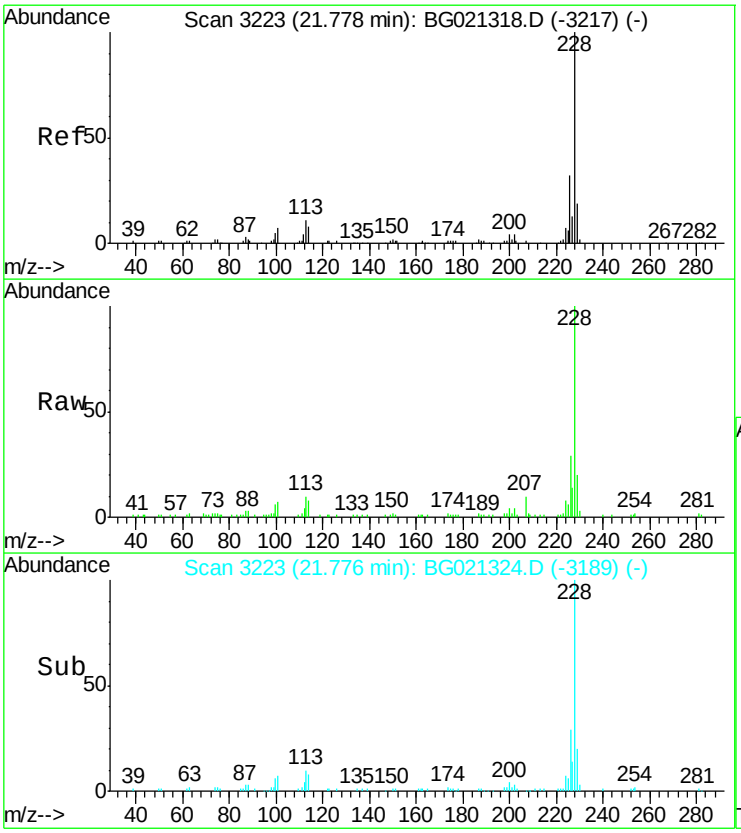
Tgt Ion:149 Resp: 28376

Ion	Ratio	Lower	Upper
149	100		
167	24.7	21.2	31.8
279	4.6	3.4	5.0



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

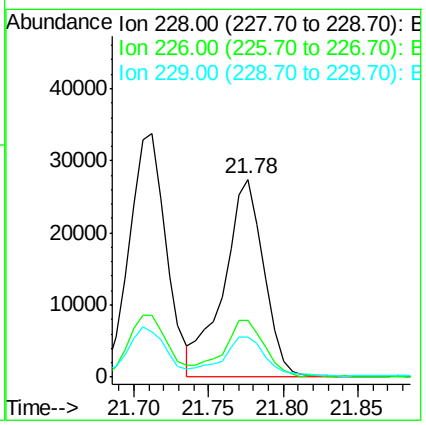
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

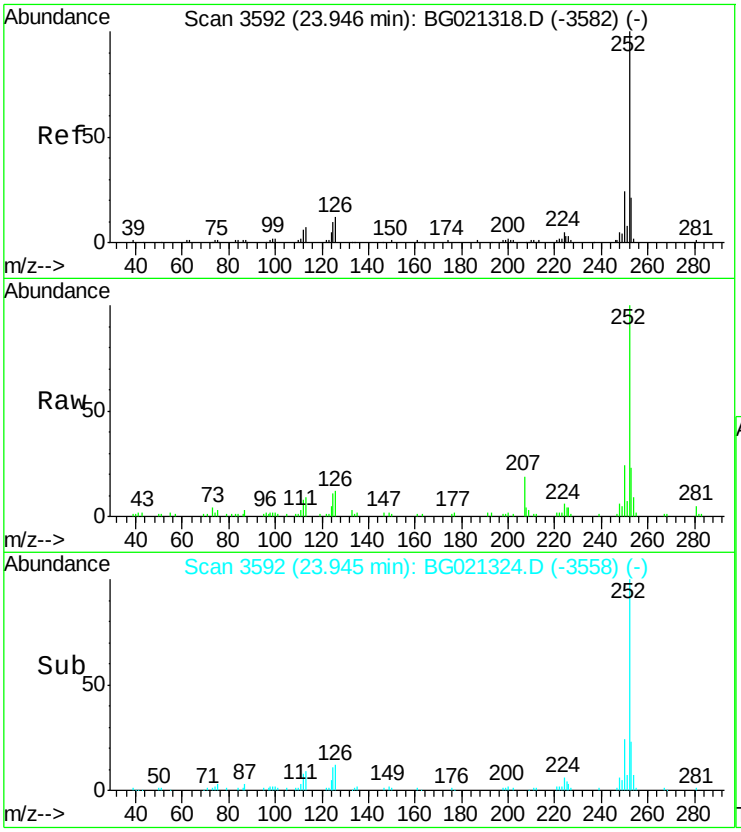


#85
Chrysene
Concen: 10.92 ng/ul
RT: 21.78 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:228 Resp: 51500

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.5	36.7
229	20.3	15.8	23.8

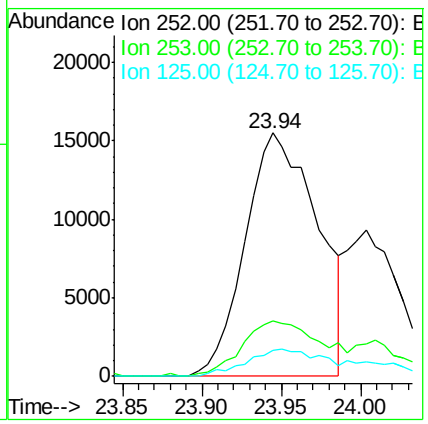




#88
Benzo(b)fluoranthene
Concen: 9.68 ng/ul
RT: 23.94 min Scan# 3592
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

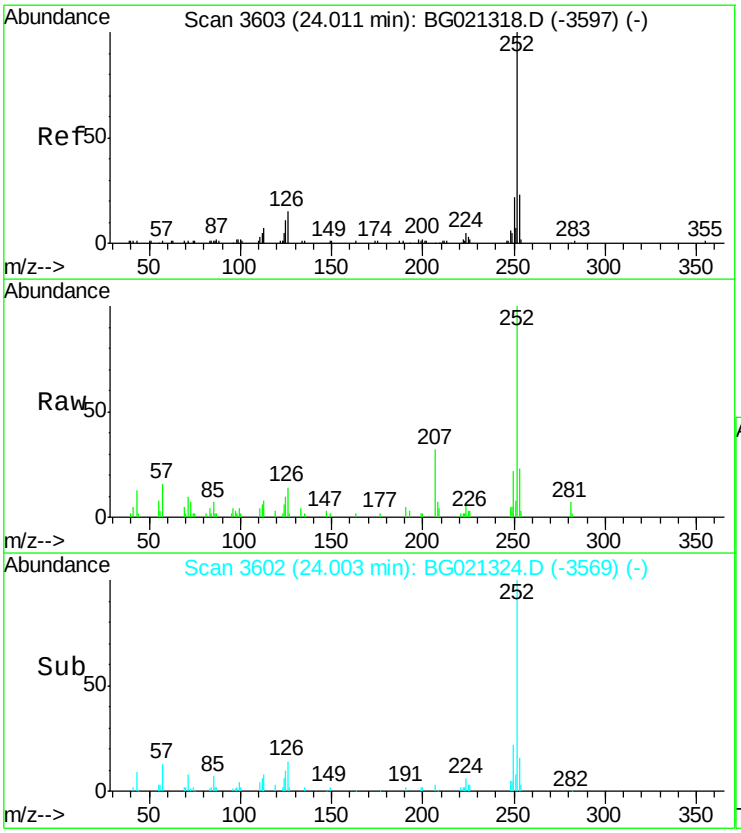
Tgt Ion:252 Resp: 49177

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.6	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

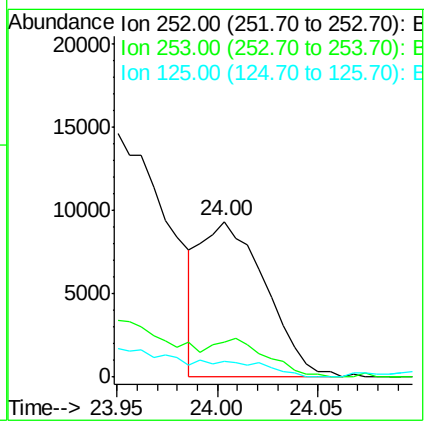
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

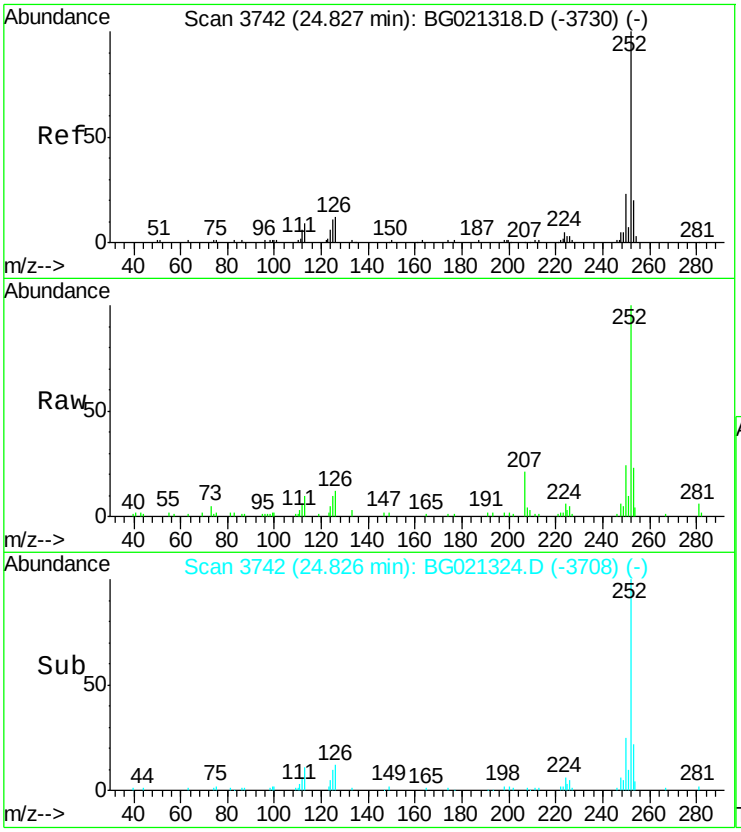


#89
Benzo(k)fluoranthene
Concen: 4.29 ng/ul m
RT: 24.00 min Scan# 3602
Delta R.T. -0.01 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:252 Resp: 21043

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.0	8.1	12.1

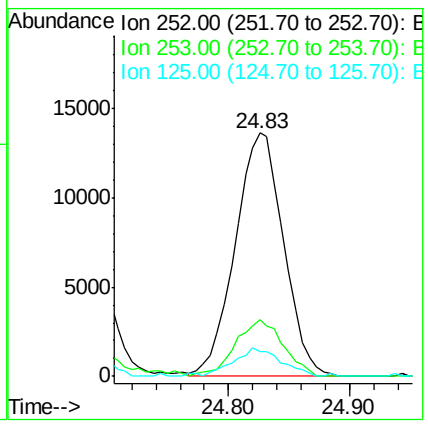




#91
Benzo(a)pyrene
Concen: 7.73 ng/ul
RT: 24.83 min Scan# 3742
Delta R.T. -0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

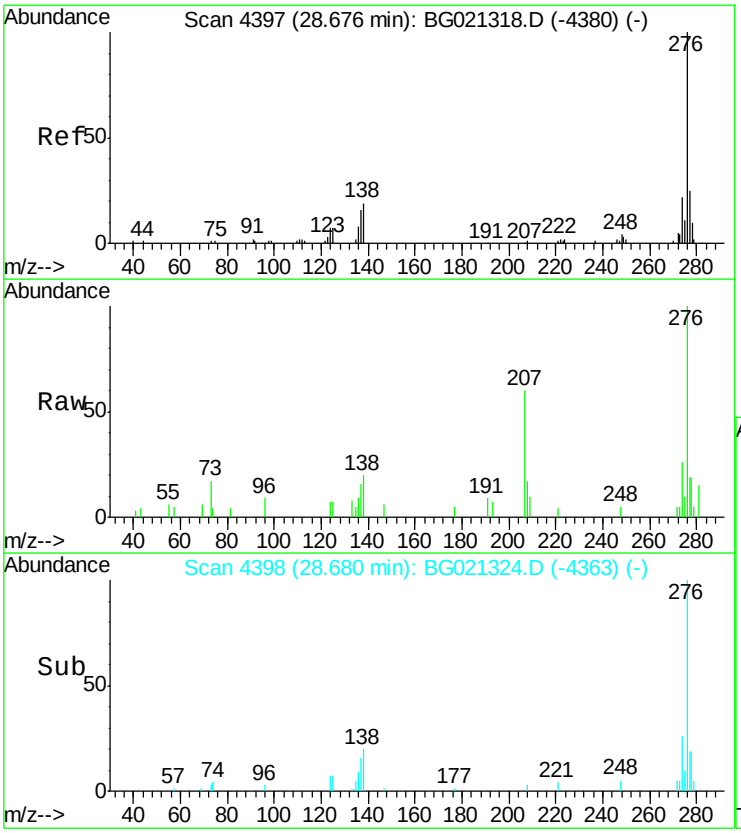
Tgt Ion:252 Resp: 37916

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.1	8.2	12.4



Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

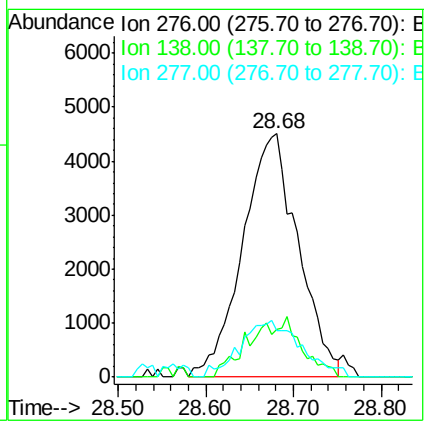
Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM

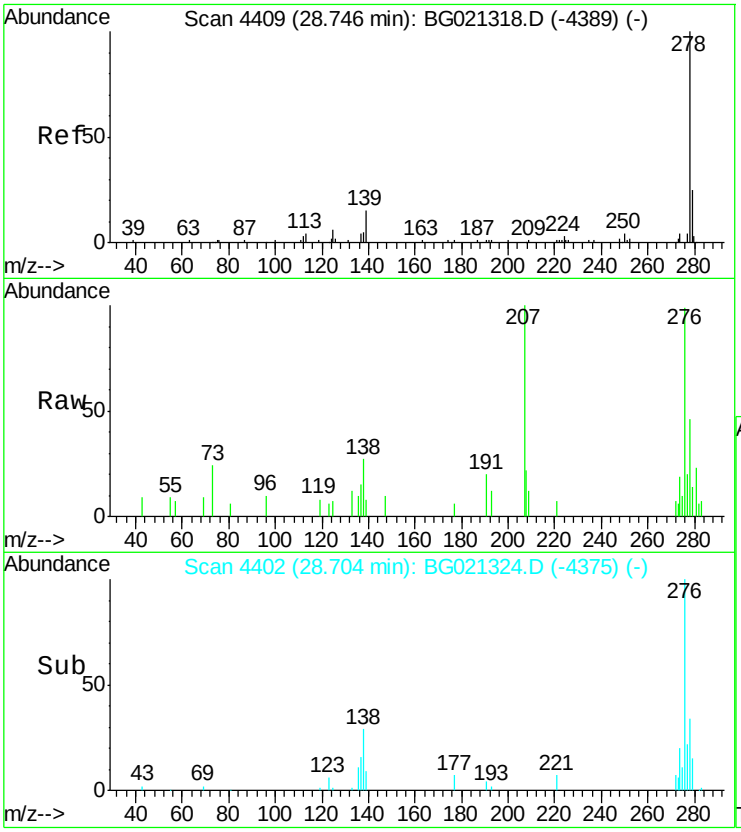


#92
Indeno(1,2,3-cd)pyrene
Concen: 3.69 ng/ul
RT: 28.68 min Scan# 4398
Delta R.T. 0.00 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:276 Resp: 19650

Ion	Ratio	Lower	Upper
276	100		
138	19.7	14.4	21.6
277	19.1	18.0	27.0





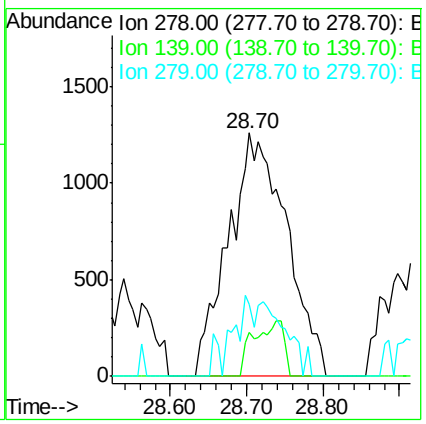
#93
Dibenzo(a,h)anthracene
Concen: 1.45 ng/ul m
RT: 28.70 min Scan# 4402
Delta R.T. -0.04 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

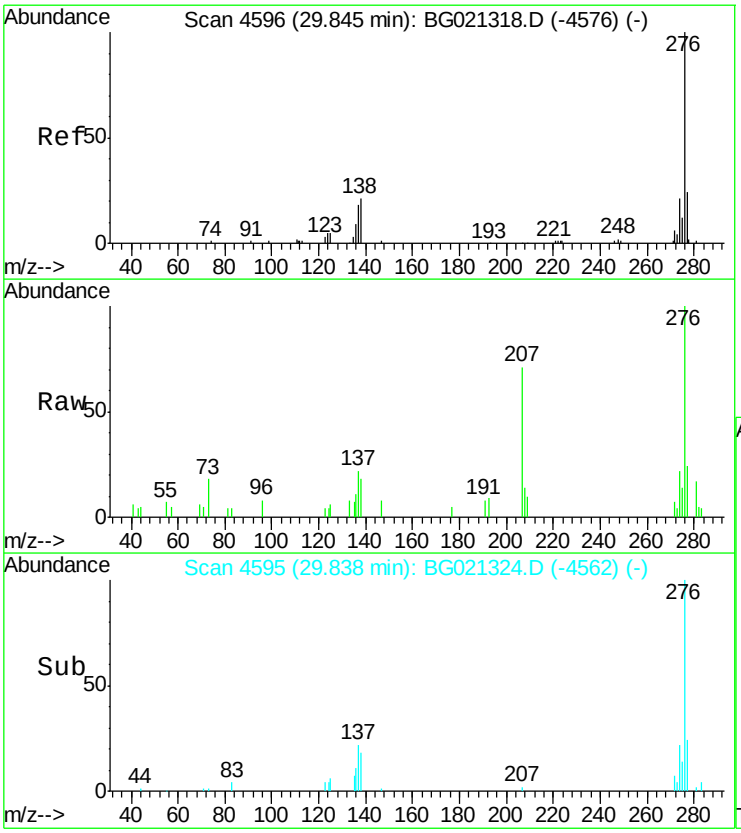
Tgt Ion:278 Resp: 6693

Ion	Ratio	Lower	Upper
278	100		
139	17.8	12.2	18.4
279	29.3	19.2	28.8#

Instrument :
BNA_G
ClientSampleId :
MS-SS-C280

Manual Integrations APPROVED
UMANGI
3/7/2016 12:34:32 PM





#94
Benzo(g,h,i)perylene
Concen: 4.40 ng/ul m
RT: 29.84 min Scan# 4595
Delta R.T. -0.01 min
Lab File: BG021324.D
Acq: 6 Mar 2016 3:44

Tgt Ion:276 Resp: 19573

Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.3	22.9
277	23.8	19.0	28.4