Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
Data File : BG020254.D
Acq On : 17 Dec 2015 20:31
Operator : UM/SJ
Sample : G4767-06DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28DL

Quant Time: Dec 18 11:12:25 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	16101	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	70488	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	50694	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	132674	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	171083	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	162463	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	288	0.99	ng/uL	0.00
5) Phenol-d5	7.25	99	9576	6.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	6454	7.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	7634	7.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	8508	7.01	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	4017	7.31	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.98	143	4744	7.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	8640	6.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	11377	8.18	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	33513	8.17	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	37219	7.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	4238	5.76	ng/ul	0.00
58) Fluorene-d10	15.71	176	28927	7.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	2964	3.77	ng/ul	0.00
71) Anthracene-d10	17.57	188	49854	8.15	ng/ul	0.00
79) Pyrene-d10	19.85	212	58545	7.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	64444	7.95	ng/ul	-0.01
Target Compounds						Qvalue
28) Naphthalene	10.96	128	95395	25.92	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	25595	9.10	ng/ul	93
41) 1,1'-Biphenyl	13.56	154	9909	2.59	ng/ul#	94
45) Dimethylphthalate	14.17	163	13117	3.13	ng/ul#	97
50) Acenaphthene	14.79	153	45533	13.35	ng/ul	97
54) Dibenzofuran	15.13	168	46776	9.22	ng/ul	99
59) Fluorene	15.77	166	47467	11.65	ng/ul	100
70) Phenanthrene	17.52	178	234898	32.37	ng/ul	99
72) Anthracene	17.60	178	32094	4.36	ng/ul	95
75) Carbazole	17.87	167	19119	3.09	ng/ul	97
77) Fluoranthene	19.52	202	131834	15.54	ng/ul	100
80) Pyrene	19.88	202	89693	8.66	ng/ul	98
83) Benzo(a)anthracene	21.72	228	21747	2.18	ng/ul	96
85) Chrysene	21.79	228	18019	1.92	ng/ul	97

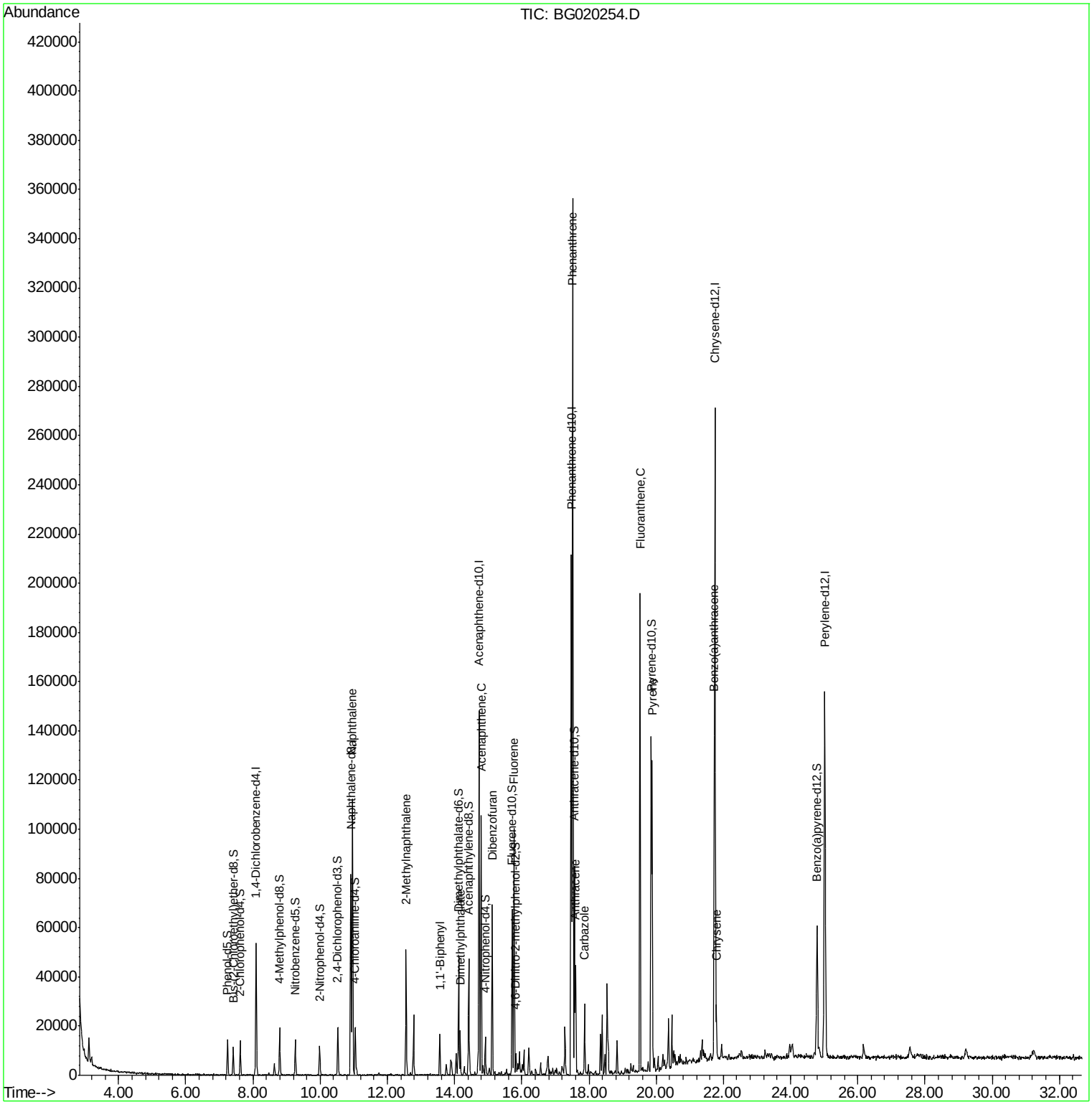
(#) = qualifier out of range (m) = manual integration (+) = signals summed

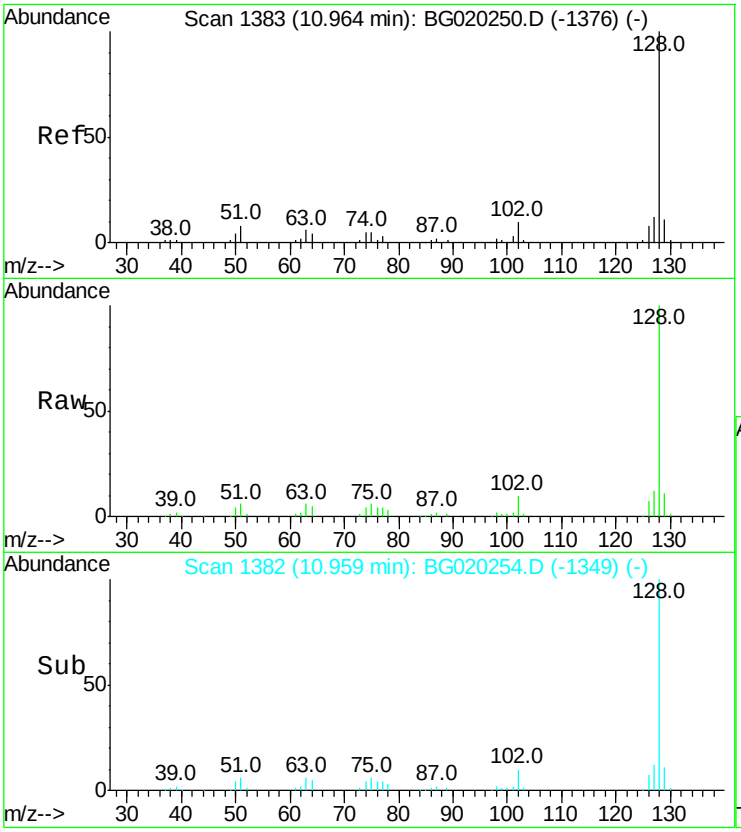
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121815\
Data File : BG020254.D
Acq On : 17 Dec 2015 20:31
Operator : UM/SJ
Sample : G4767-06DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Quant Time: Dec 18 11:12:25 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:40:02 2015
Response via : Initial Calibration



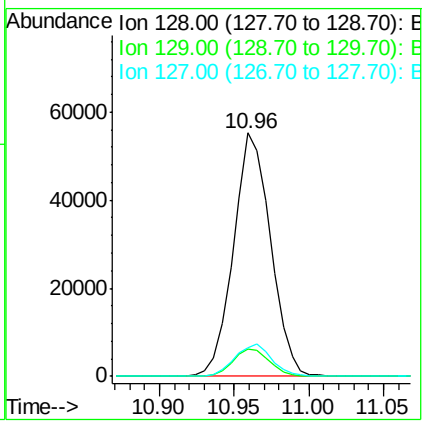


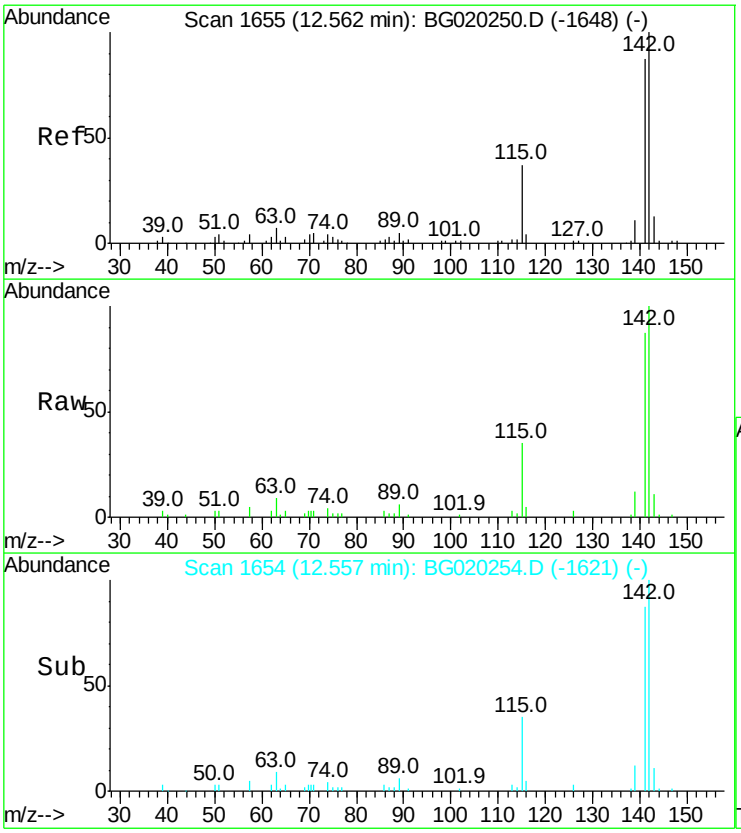
#28
Naphthalene
Concen: 25.92 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:128 Resp: 95395

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	12.8
127	11.6	10.1	15.1

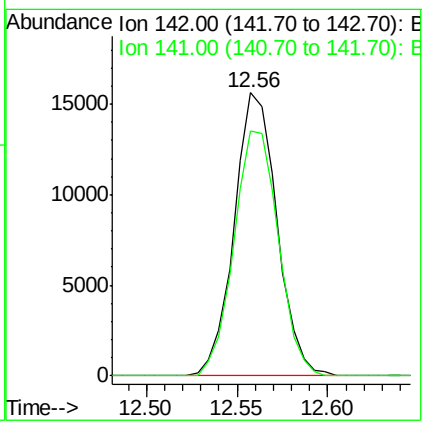


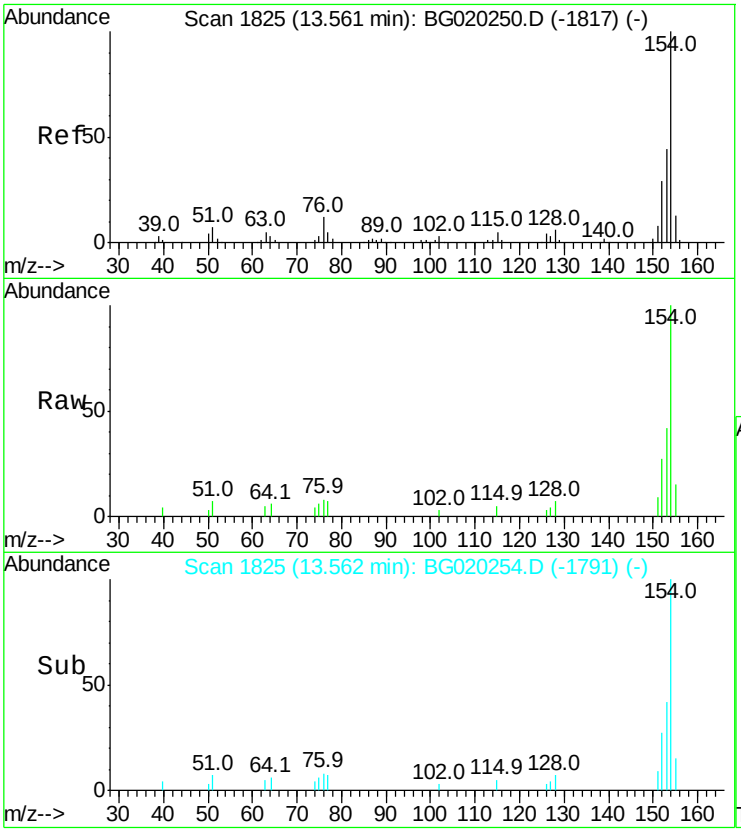


#34
2-Methylnaphthalene
Concen: 9.10 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:142 Resp: 25595

Ion	Ratio	Lower	Upper
142	100		
141	86.6	74.9	112.3



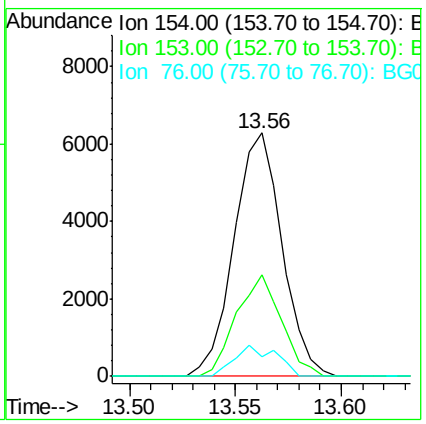


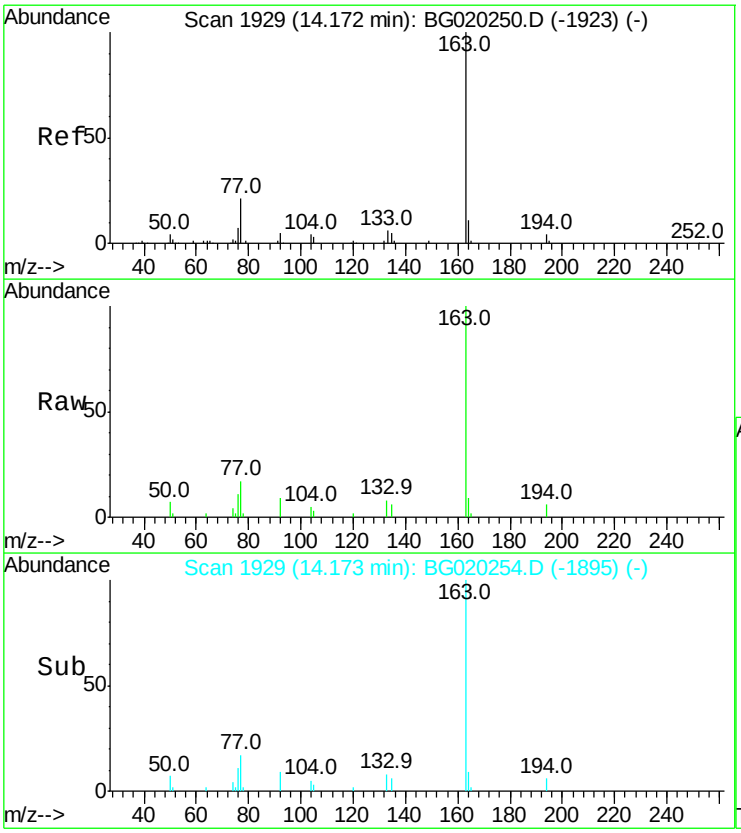
#41
1,1'-Biphenyl
Concen: 2.59 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:154 Resp: 9909

Ion	Ratio	Lower	Upper
154	100		
153	41.7	35.5	53.3
76	8.2	10.4	15.6#

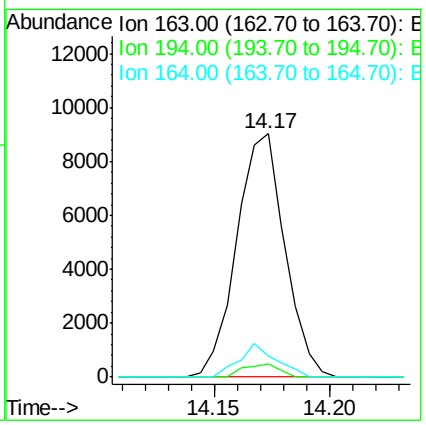


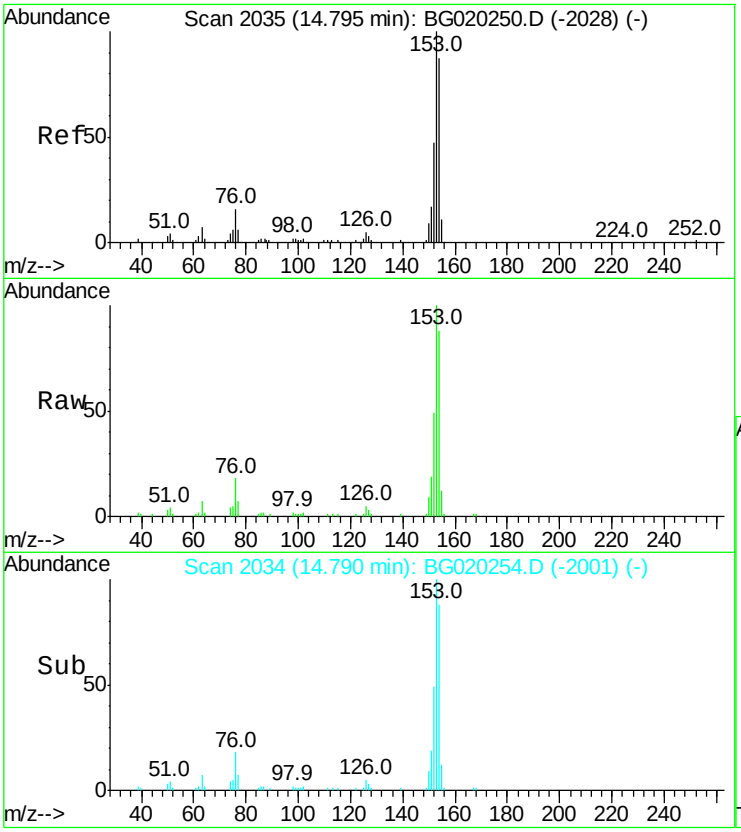


#45
Dimethylphthalate
Concen: 3.13 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:163 Resp: 13117

Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.5	5.3#
164	8.6	7.7	11.5



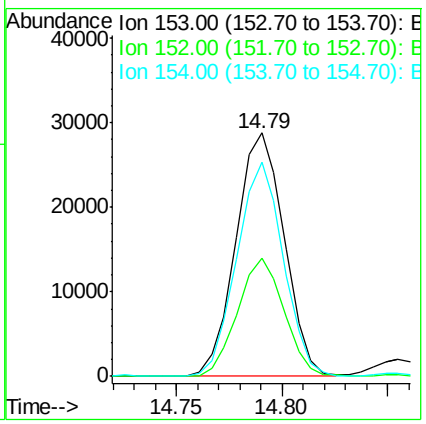


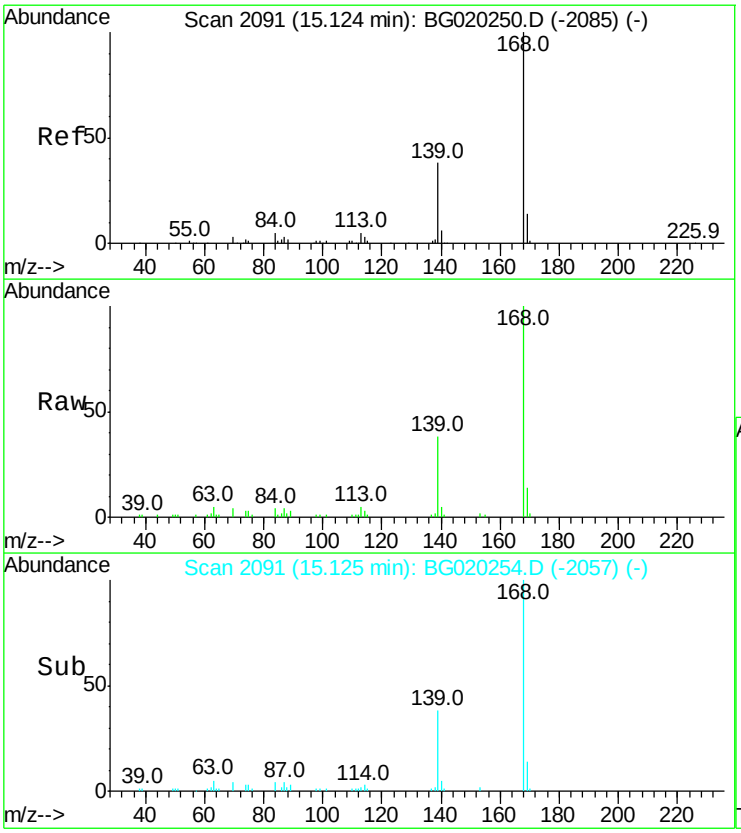
#50
Acenaphthene
Concen: 13.35 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:153 Resp: 45533

Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.6	56.4
154	87.9	67.9	101.9

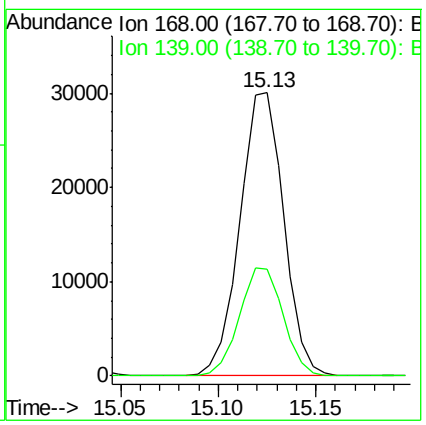


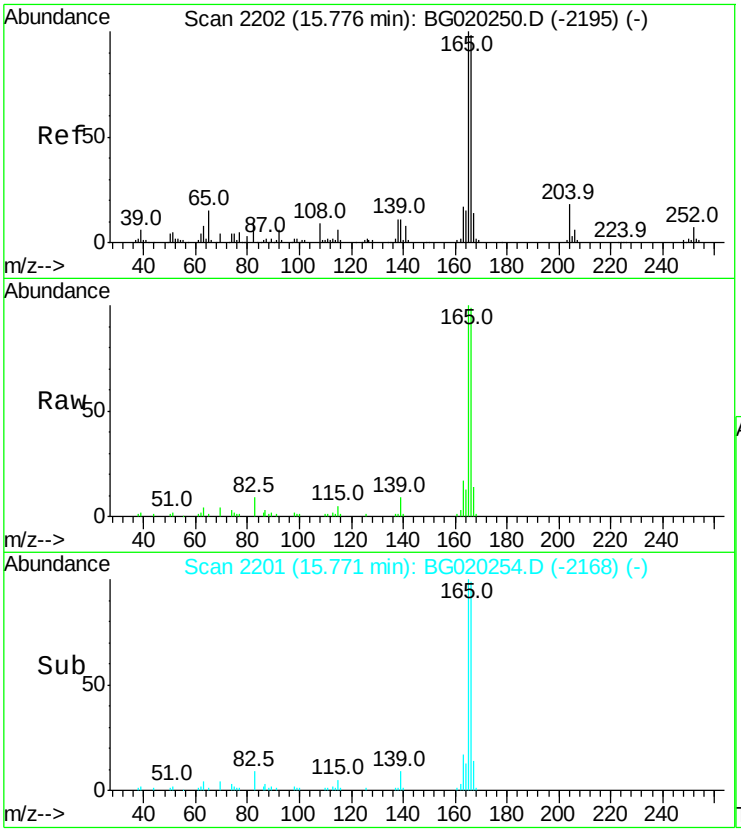


#54
Dibenzofuran
Concen: 9.22 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:168 Resp: 46776

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.5	45.7



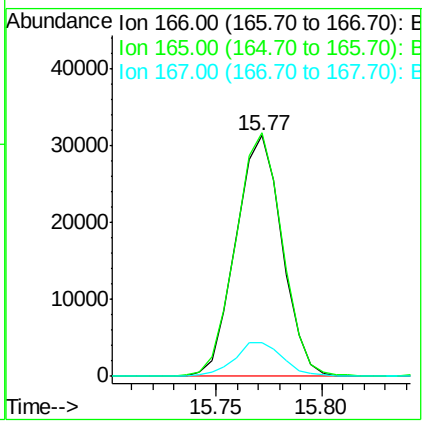


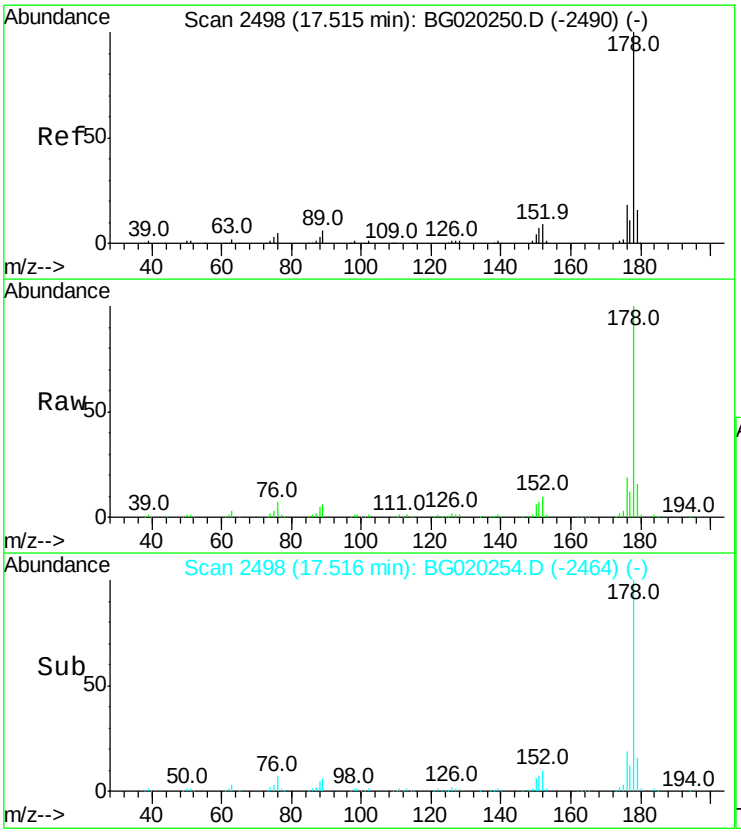
#59
Fluorene
Concen: 11.65 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:166 Resp: 47467

Ion	Ratio	Lower	Upper
166	100		
165	101.2	81.4	122.0
167	13.9	11.2	16.8

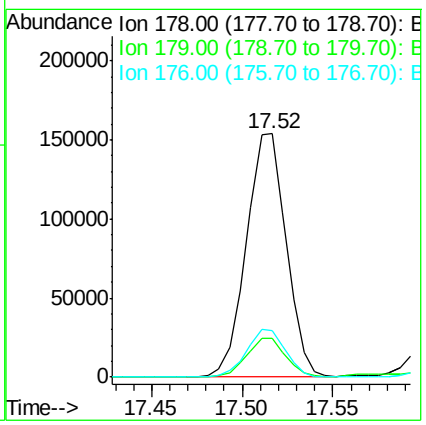


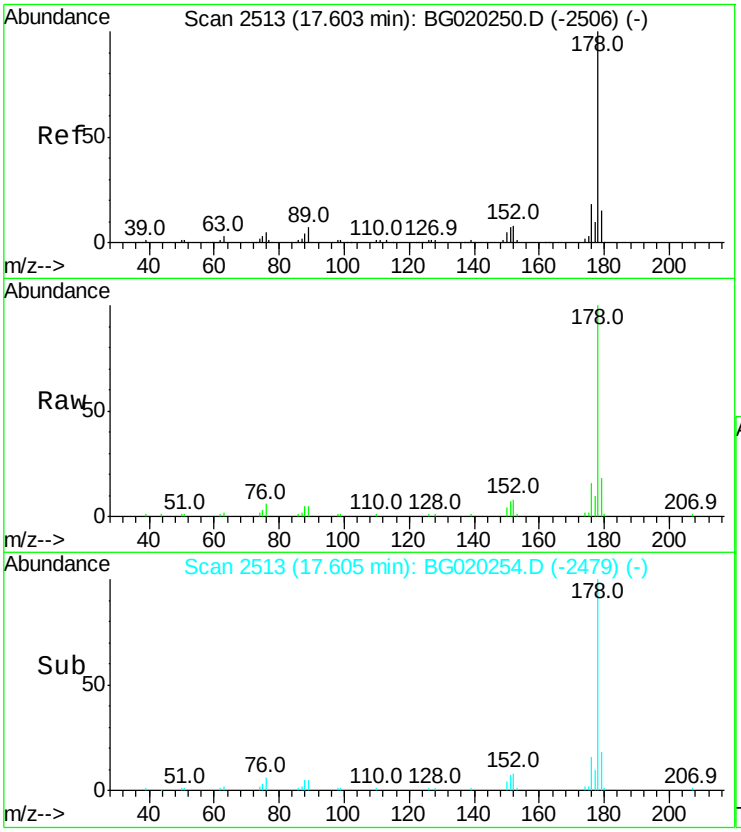


#70
Phenanthrene
Concen: 32.37 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:178 Resp: 234898

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.9	19.3
176	18.9	15.3	22.9



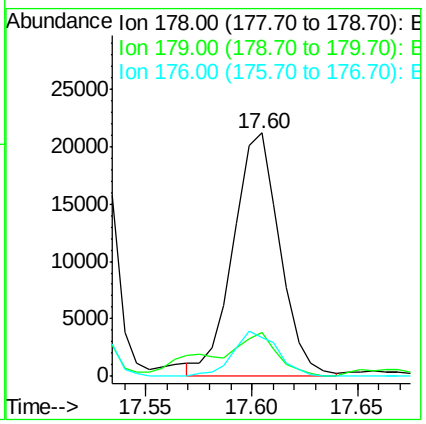


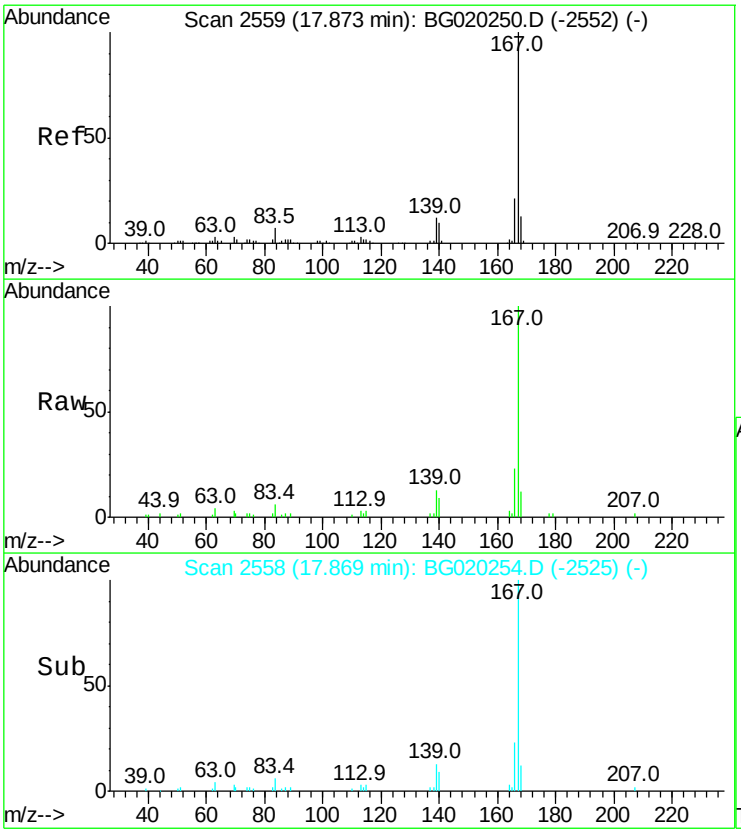
#72
Anthracene
Concen: 4.36 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:178 Resp: 32094

Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.3	18.5
176	16.1	14.3	21.5

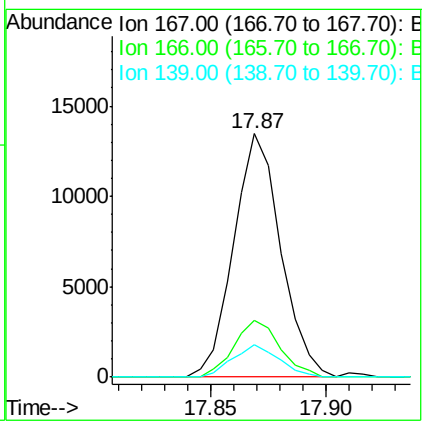


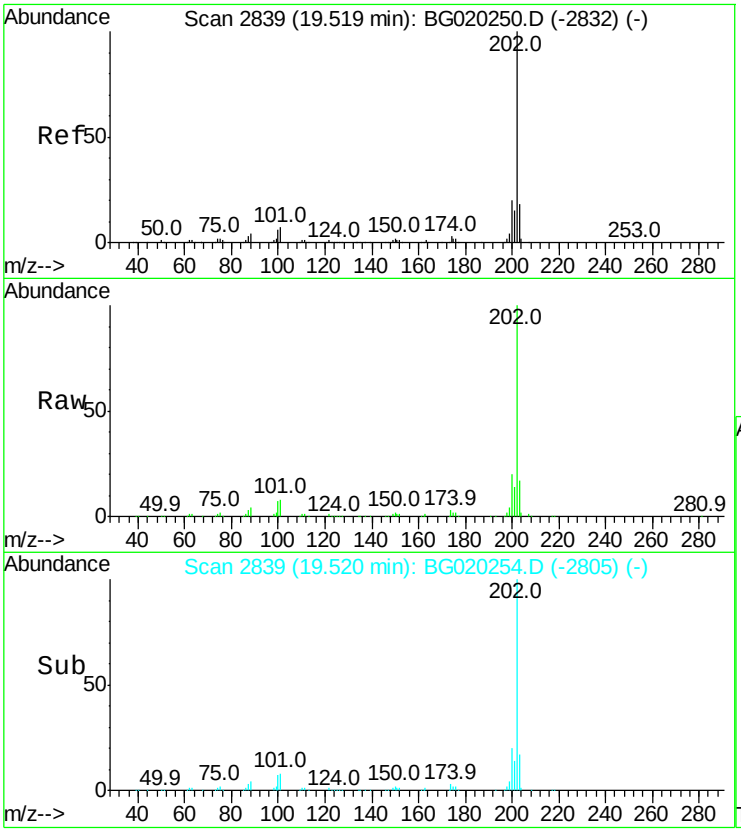


#75
Carbazole
Concen: 3.09 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:167 Resp: 19119

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.0	25.6
139	13.4	10.1	15.1



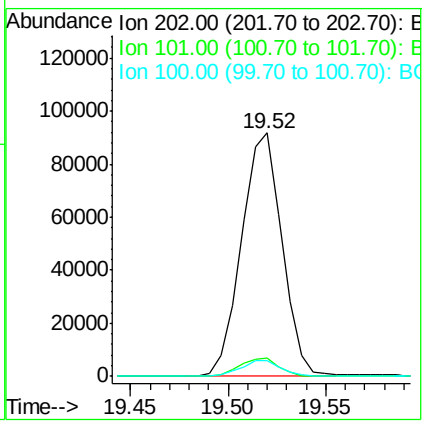


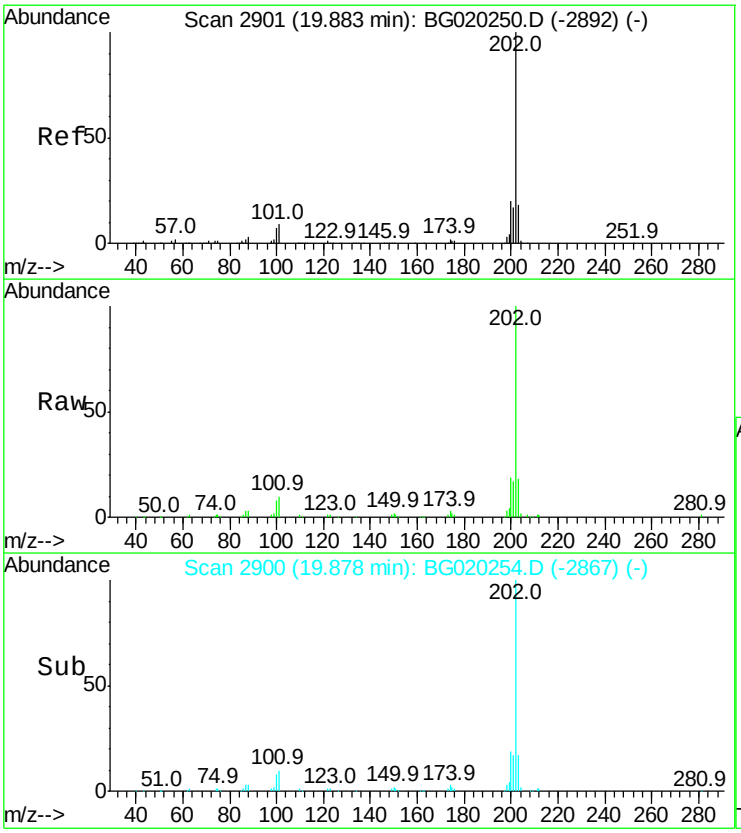
#77
Fluoranthene
Concen: 15.54 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:202 Resp: 131834

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.4
100	6.5	5.1	7.7

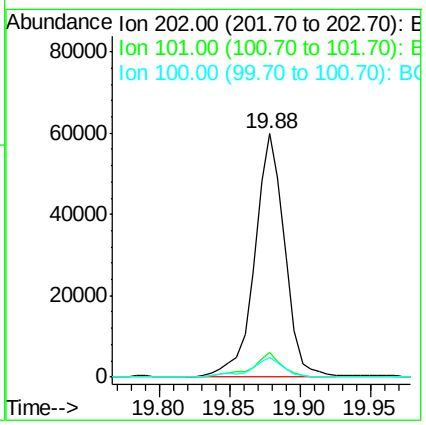


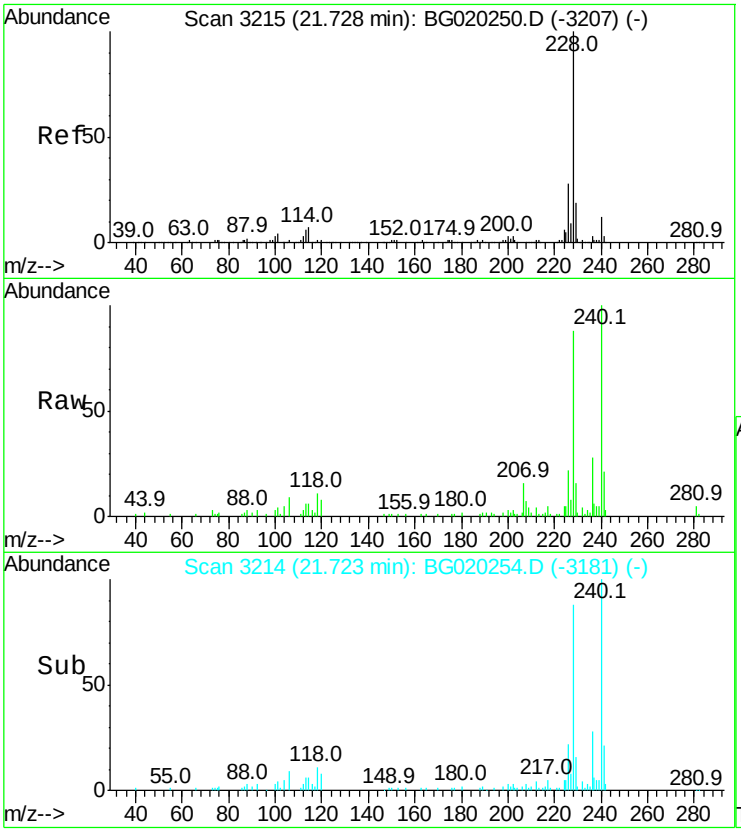


#80
Pyrene
Concen: 8.66 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:202 Resp: 89693

Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.0	10.4
100	7.8	6.4	9.6



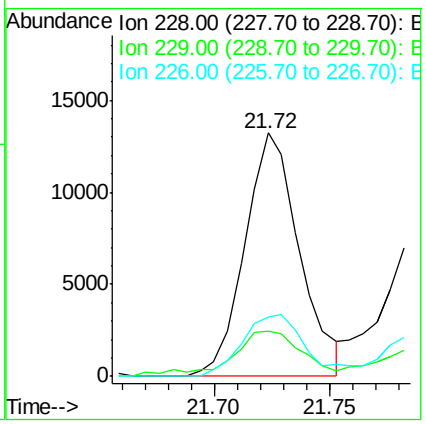


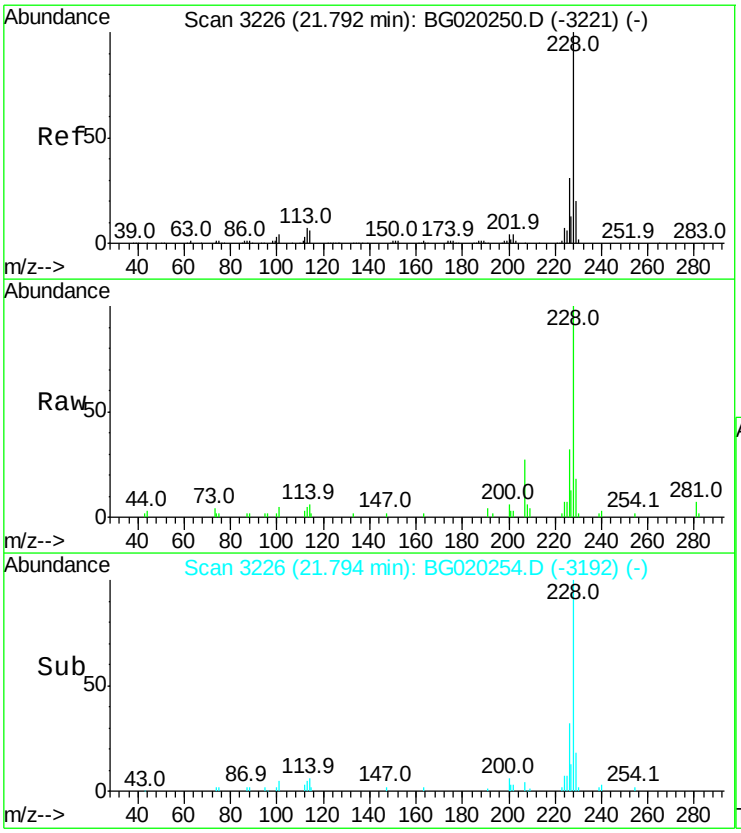
#83
Benzo(a)anthracene
Concen: 2.18 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Instrument :
BNA_G
ClientSampleId :
D9N28DL

Tgt Ion:228 Resp: 21747

Ion	Ratio	Lower	Upper
228	100		
229	18.5	15.8	23.8
226	24.4	21.8	32.6





#85
Chrysene
Concen: 1.92 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG020254.D
Acq: 17 Dec 2015 20:31

Tgt Ion:228 Resp: 18019

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.9	35.9
229	18.3	15.6	23.4