Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020503.D
Acq On : 25 Dec 2015 13:50
Operator : UM/SJ
Sample : G4848-18DL 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64DL

Quant Time: Dec 26 00:34:49 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 00:23:26 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	16043	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	68084	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	52438	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	137851	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	175506	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	169835	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	343	1.18	ng/uL	0.00
5) Phenol-d5	7.24	99	8497	6.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	5096	6.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	7051	7.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	7591	7.01	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	3600	6.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	4411	7.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	8237	7.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	10572	7.88	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	35760	8.27	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	40261	8.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	2771	3.85	ng/ul	0.00
58) Fluorene-d10	15.70	176	32508	8.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	4189	4.59	ng/ul	0.00
71) Anthracene-d10	17.55	188	56898	8.81	ng/ul	0.00
79) Pyrene-d10	19.83	212	69084	9.09	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	73670	8.58	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.94	128	69600	19.23	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	16242	6.07	ng/ul	97
41) 1,1'-Biphenyl	13.54	154	6160	1.52	ng/ul#	93
45) Dimethylphthalate	14.16	163	15936	3.63	ng/ul	97
50) Acenaphthene	14.77	153	30492	8.57	ng/ul	93
54) Dibenzofuran	15.11	168	31556	5.96	ng/ul	98
59) Fluorene	15.75	166	30348	7.07	ng/ul	96
70) Phenanthrene	17.50	178	157559	20.54	ng/ul	99
72) Anthracene	17.59	178	17453	2.23	ng/ul	96
75) Carbazole	17.86	167	17284	2.61	ng/ul	96
77) Fluoranthene	19.50	202	92146	9.55	ng/ul	98
80) Pyrene	19.87	202	62721	6.32	ng/ul#	96
83) Benzo(a)anthracene	21.71	228	13639	1.32	ng/ul	98
85) Chrysene	21.77	228	11171	1.14	ng/ul	98

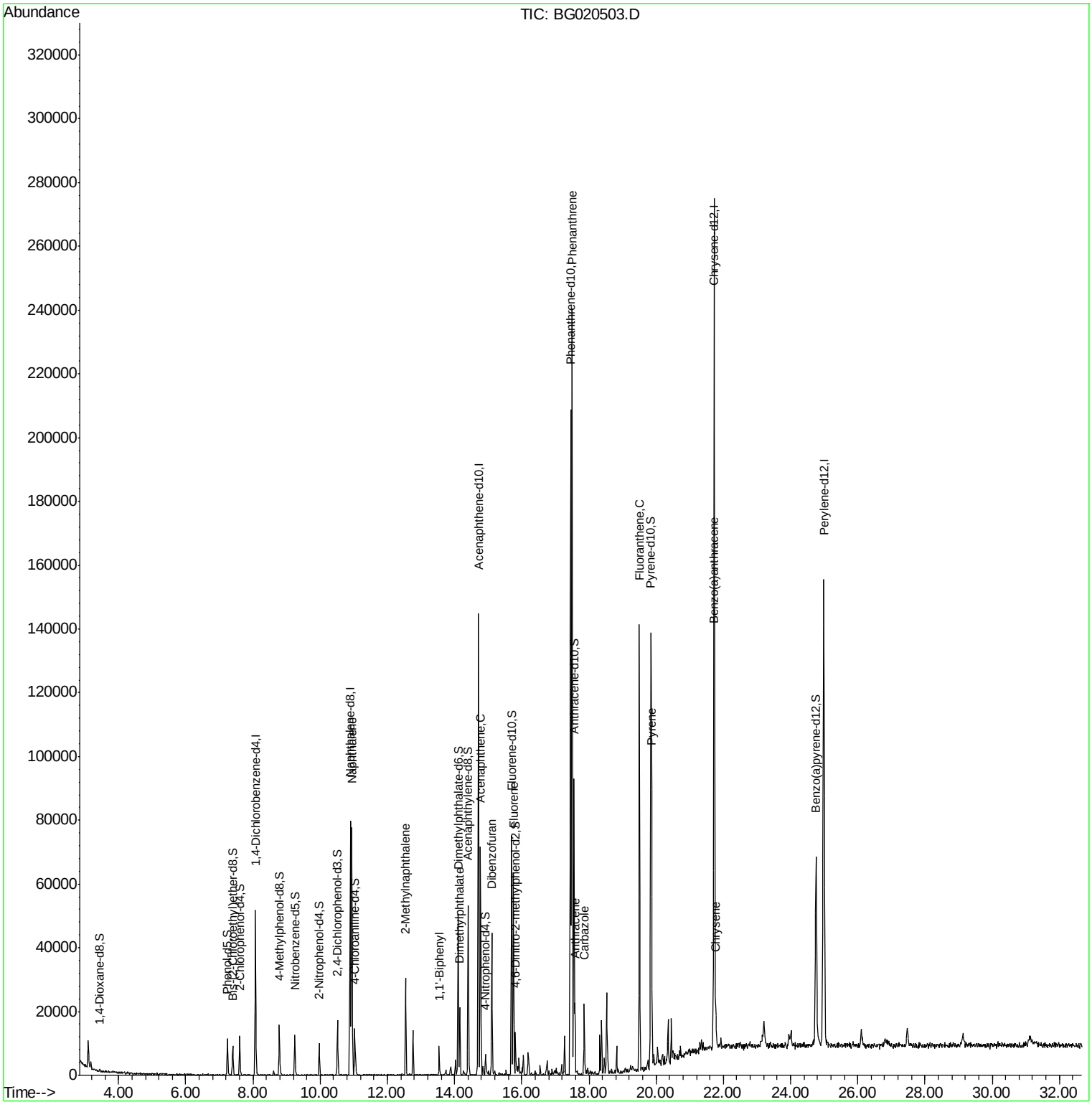
(#) = qualifier out of range (m) = manual integration (+) = signals summed

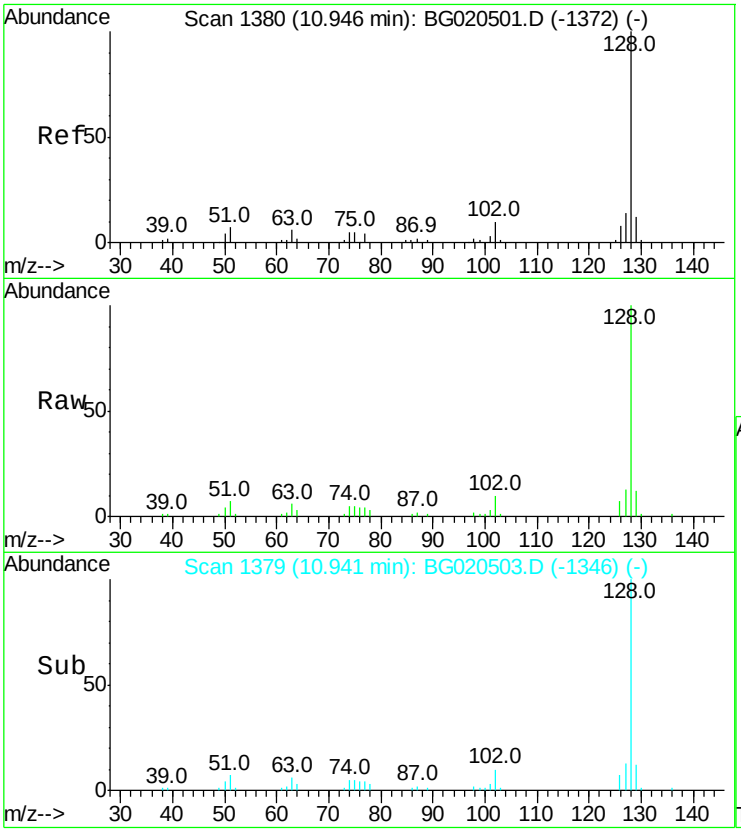
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020503.D
Acq On : 25 Dec 2015 13:50
Operator : UM/SJ
Sample : G4848-18DL 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Quant Time: Dec 26 00:34:49 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 00:23:26 2015
Response via : Initial Calibration



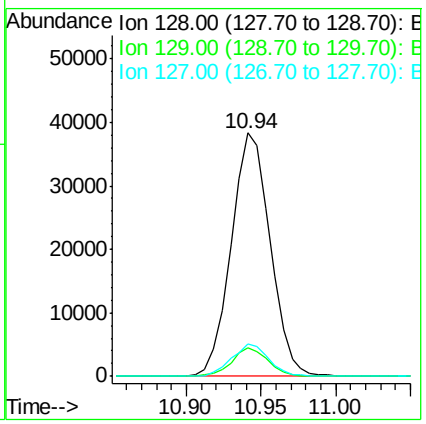


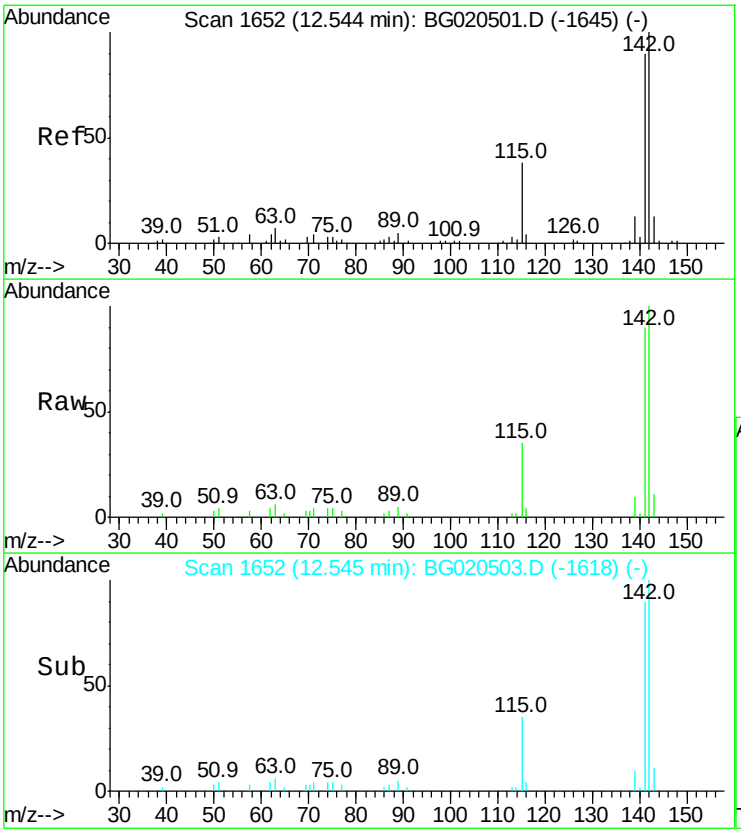
#28
Naphthalene
Concen: 19.23 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:128 Resp: 69600

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	12.8
127	13.1	10.1	15.1

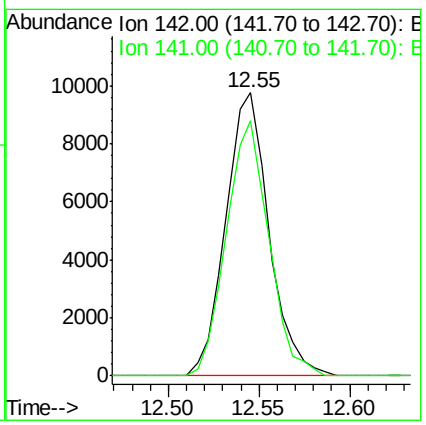


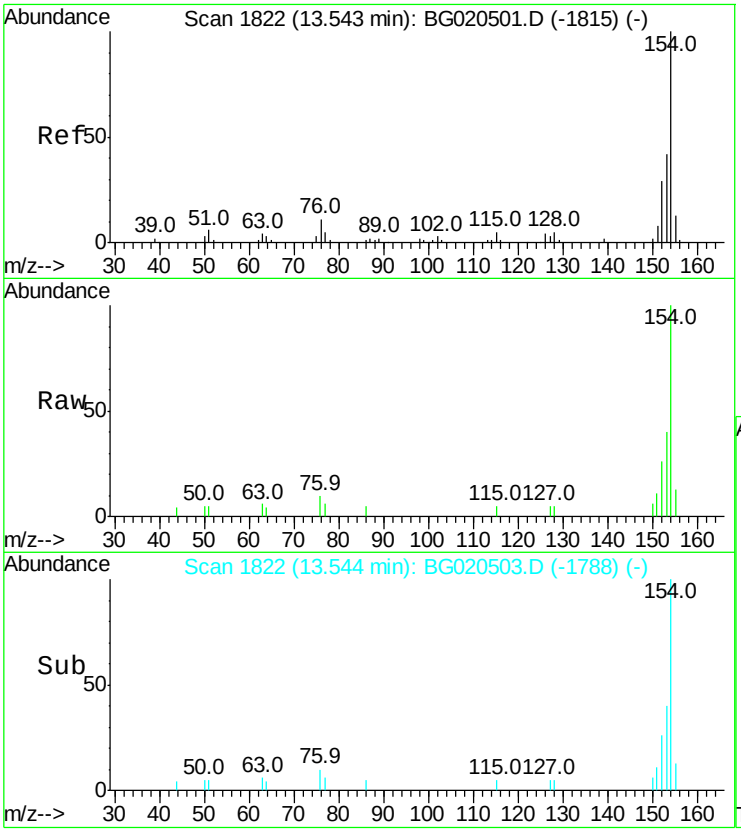


#34
2-Methylnaphthalene
Concen: 6.07 ng/ul
RT: 12.55 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:142 Resp: 16242

Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.9	112.3



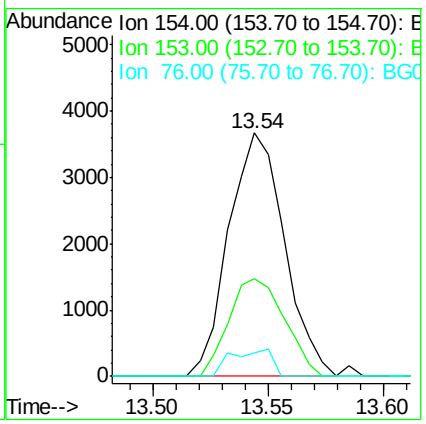


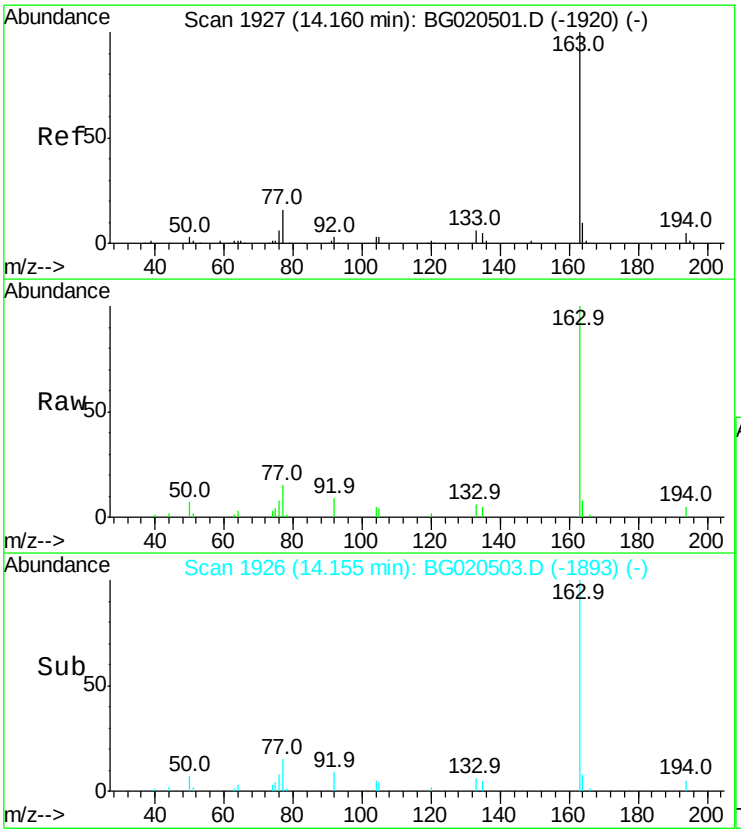
#41
1,1'-Biphenyl
Concen: 1.52 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:154 Resp: 6160

Ion	Ratio	Lower	Upper
154	100		
153	40.2	35.5	53.3
76	9.9	10.4	15.6#

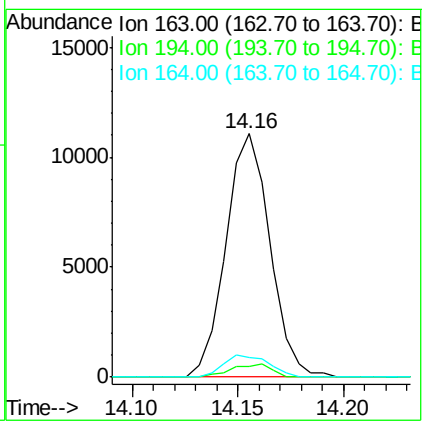


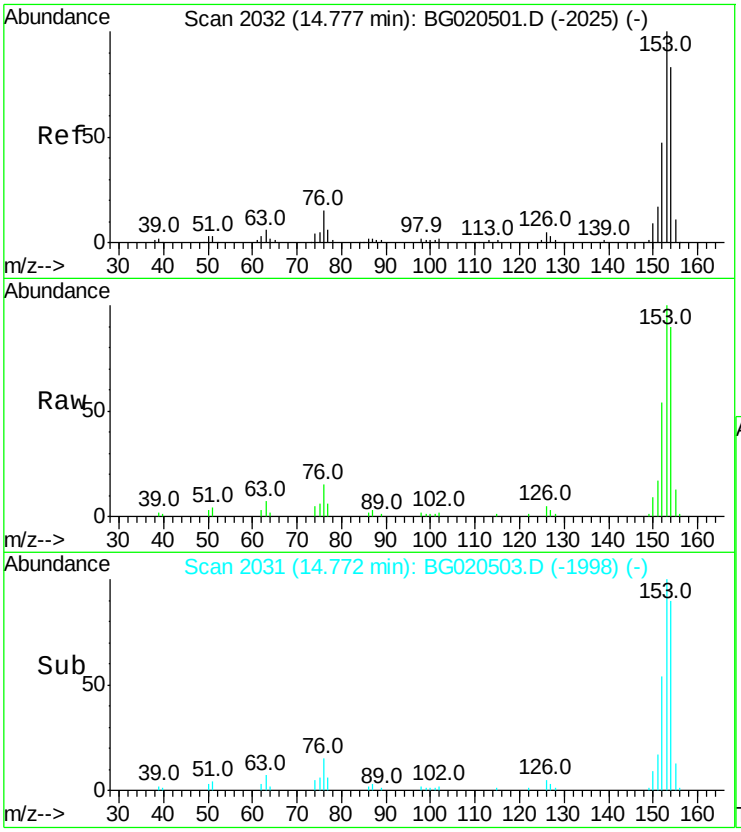


#45
Dimethylphthalate
Concen: 3.63 ng/ul
RT: 14.16 min Scan# 1926
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:163 Resp: 15936

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	8.1	7.7	11.5



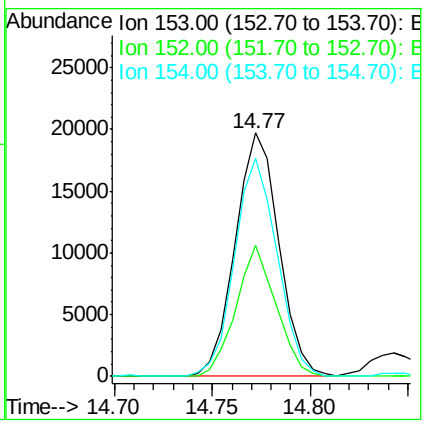


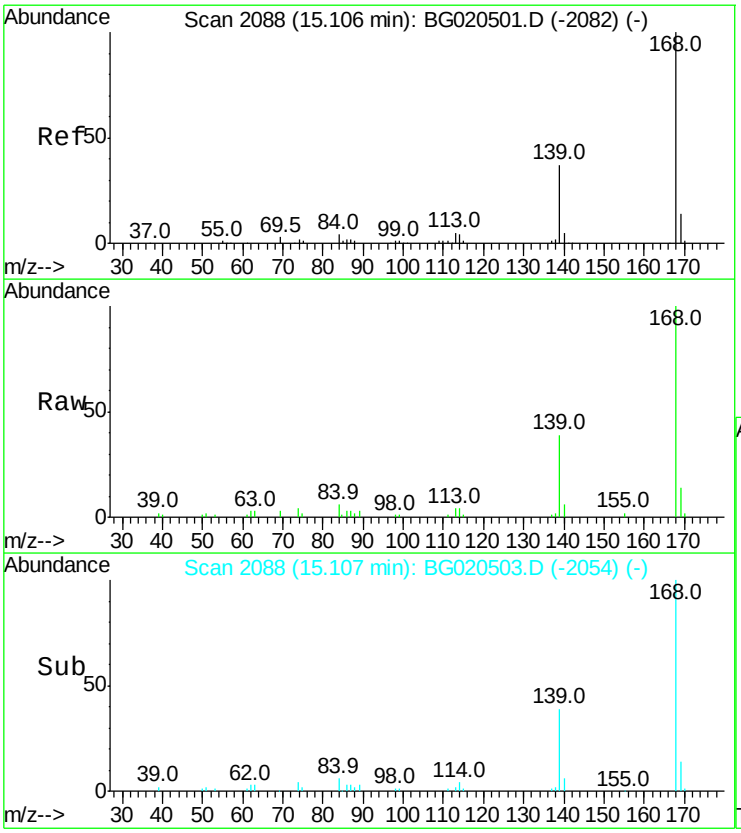
#50
Acenaphthene
Concen: 8.57 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:153 Resp: 30492

Ion	Ratio	Lower	Upper
153	100		
152	53.7	37.6	56.4
154	89.5	67.9	101.9

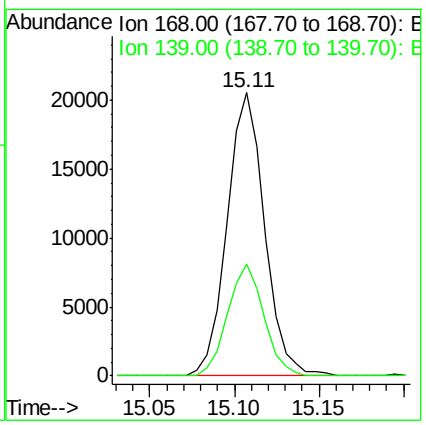


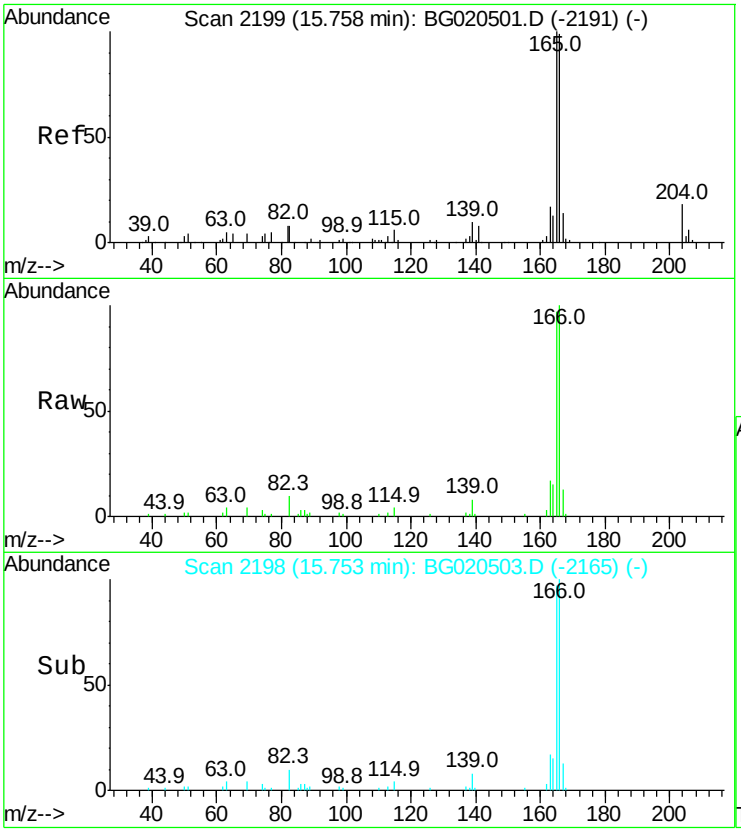


#54
Dibenzofuran
Concen: 5.96 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:168 Resp: 31556

Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.5	45.7



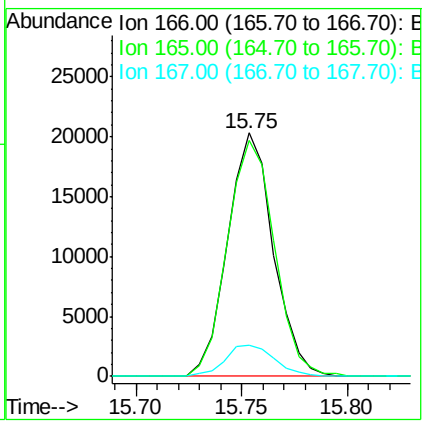


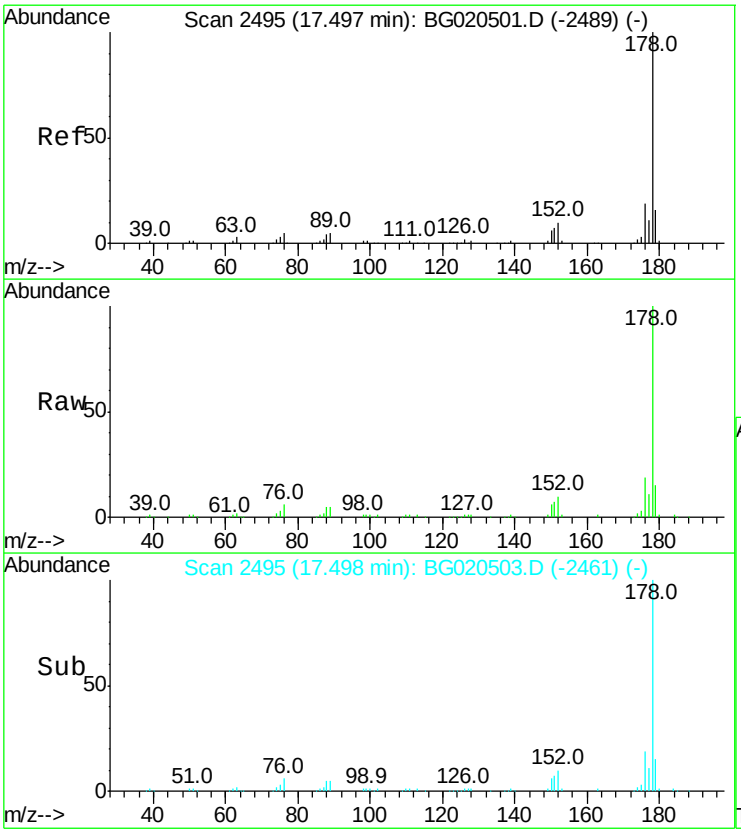
#59
Fluorene
Concen: 7.07 ng/ul
RT: 15.75 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:166 Resp: 30348

Ion	Ratio	Lower	Upper
166	100		
165	97.2	81.4	122.0
167	12.9	11.2	16.8

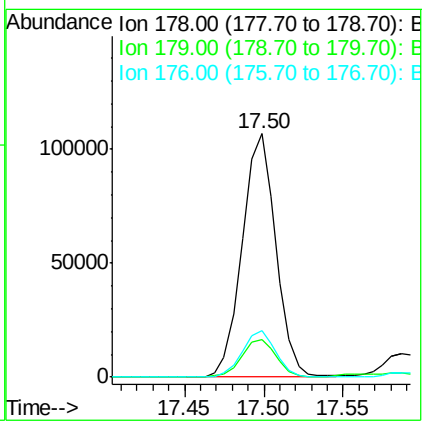


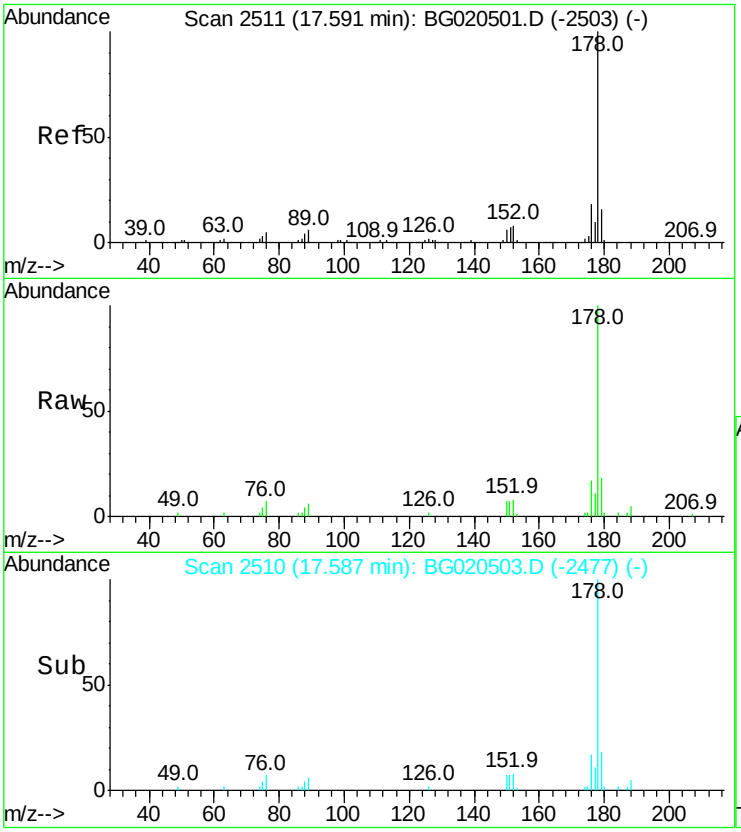


#70
Phenanthrene
Concen: 20.54 ng/ul
RT: 17.50 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:178 Resp: 157559

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.9	19.3
176	19.2	15.3	22.9



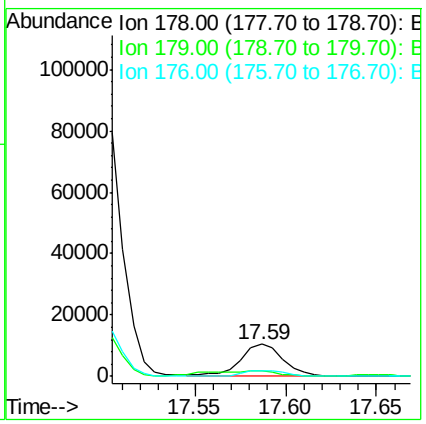


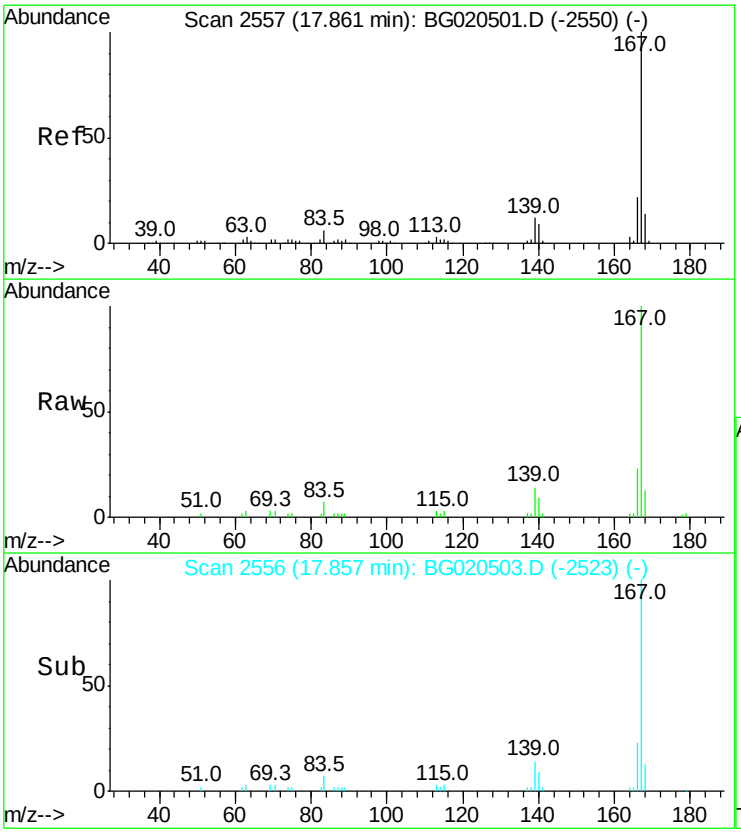
#72
Anthracene
Concen: 2.23 ng/ul
RT: 17.59 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:178 Resp: 17453

Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.3	18.5
176	17.1	14.3	21.5

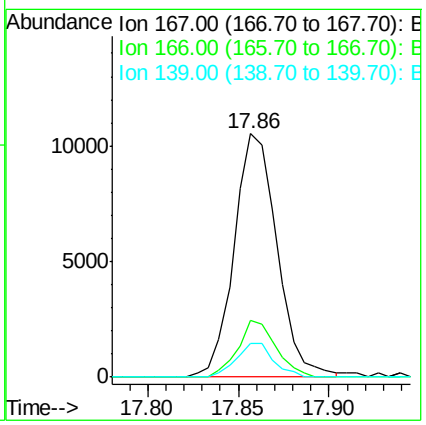


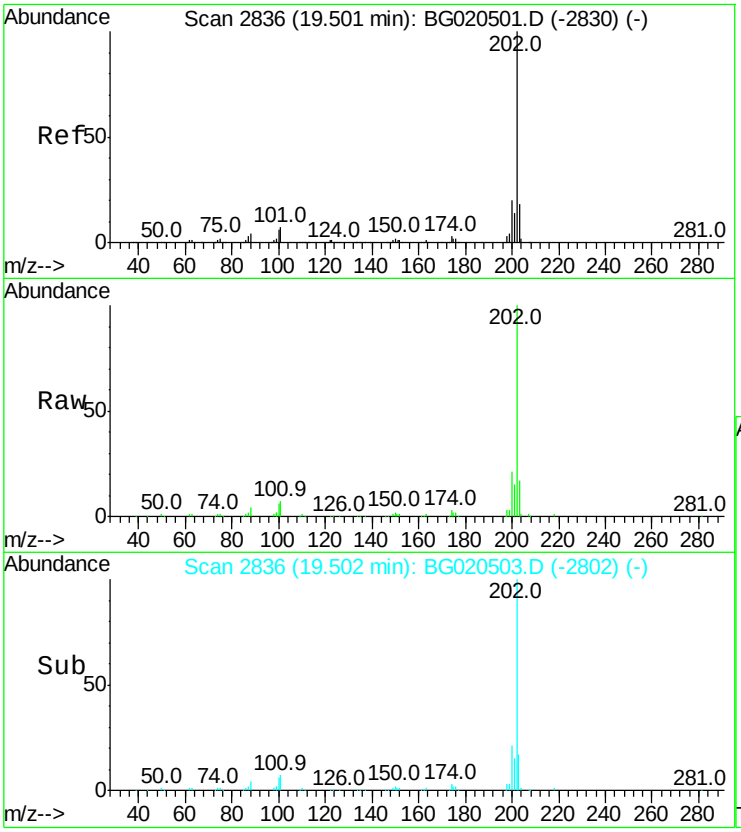


#75
Carbazole
Concen: 2.61 ng/ul
RT: 17.86 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:167 Resp: 17284

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.6
139	14.1	10.1	15.1



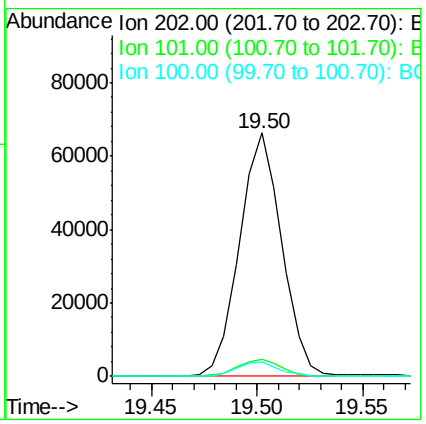


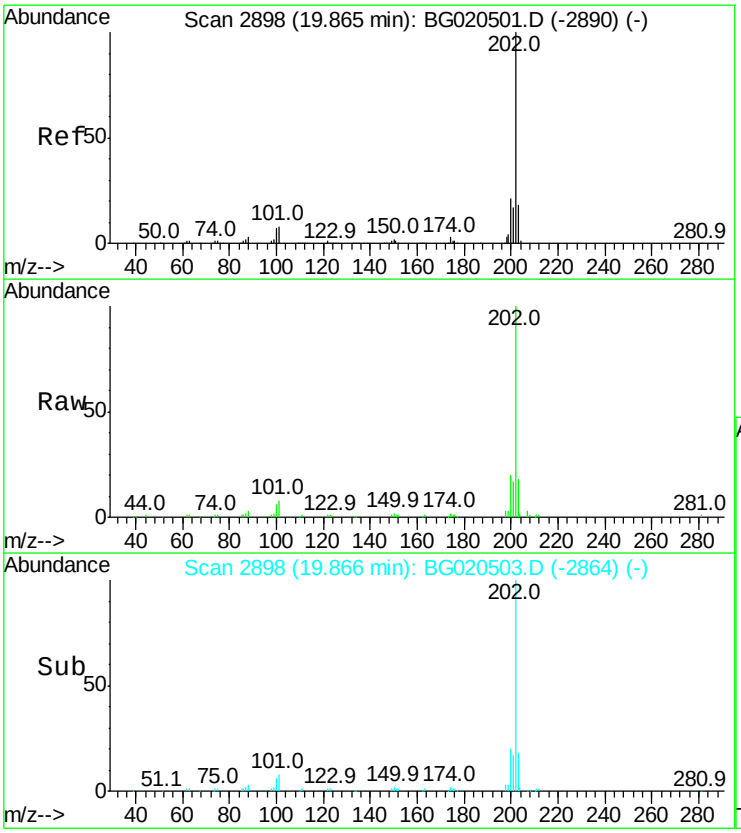
#77
Fluoranthene
Concen: 9.55 ng/ul
RT: 19.50 min Scan# 2836
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:202 Resp: 92146

Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	6.0	5.1	7.7

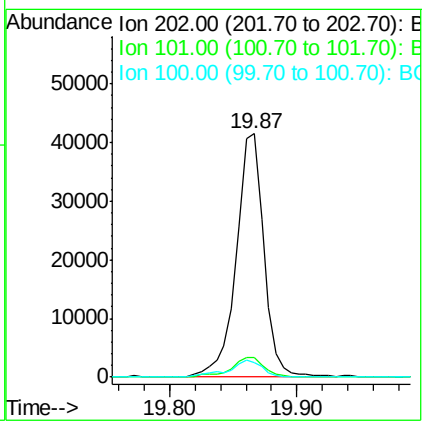


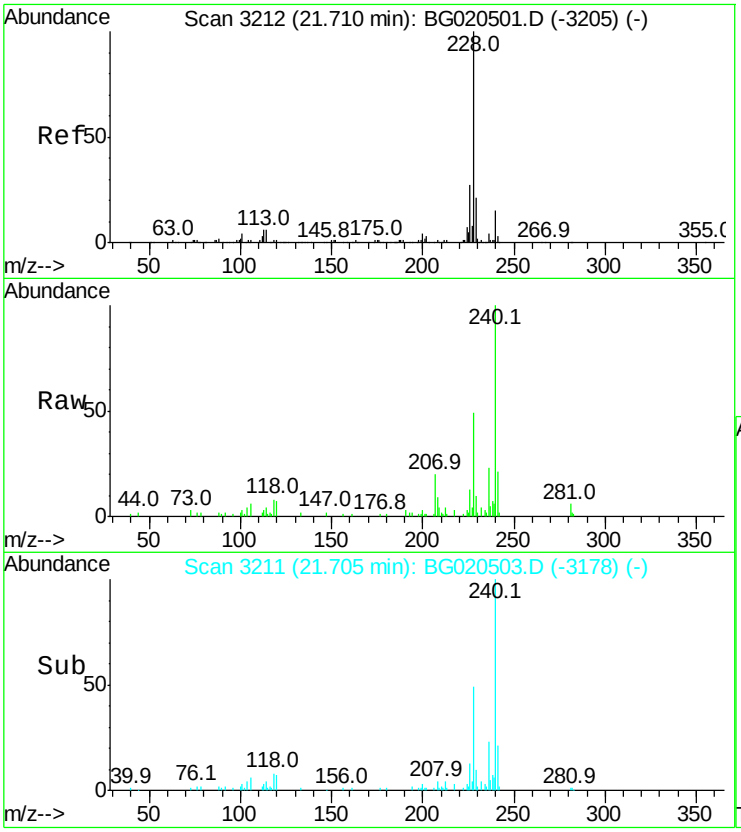


#80
Pyrene
Concen: 6.32 ng/ul
RT: 19.87 min Scan# 2898
Delta R.T. 0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:202 Resp: 62721

Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.4
100	6.1	6.4	9.6#



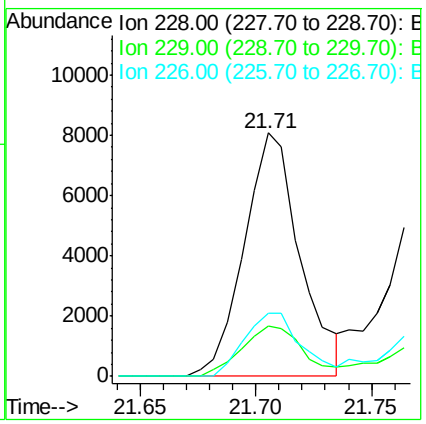


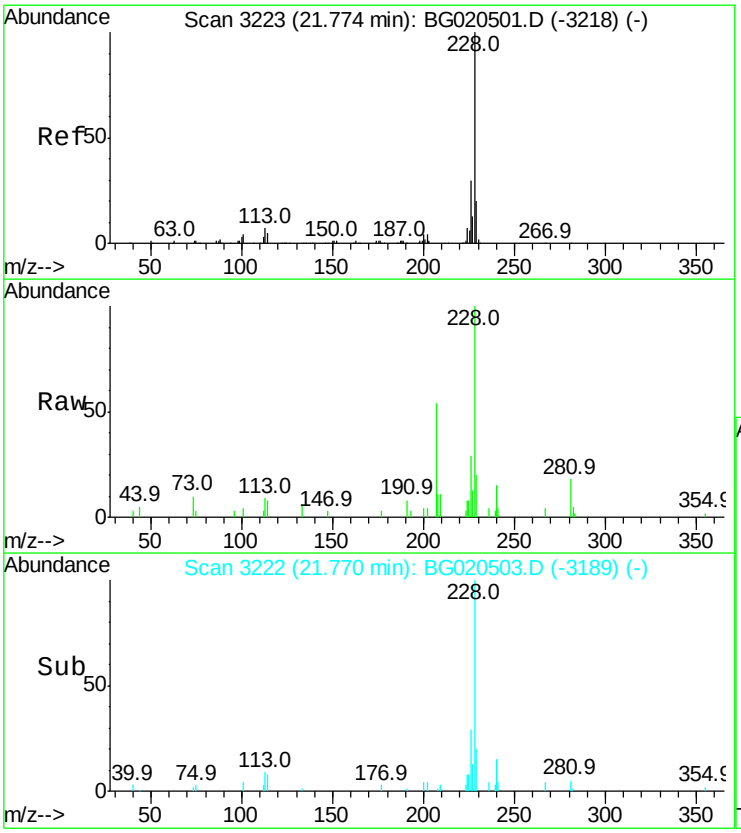
#83
Benzo(a)anthracene
Concen: 1.32 ng/ul
RT: 21.71 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Instrument :
BNA_G
ClientSampleId :
D9N64DL

Tgt Ion:228 Resp: 13639

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.8
226	26.1	21.8	32.6





#85
Chrysene
Concen: 1.14 ng/ul
RT: 21.77 min Scan# 3222
Delta R.T. -0.00 min
Lab File: BG020503.D
Acq: 25 Dec 2015 13:50

Tgt Ion:228 Resp: 11171

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.9	35.9
229	19.8	15.6	23.4