Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122115\
Data File : BG020392.D
Acq On : 22 Dec 2015 00:58
Operator : UM/SJ
Sample : G4768-17DL 30X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N41DL

Quant Time: Dec 22 06:08:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 05:02:37 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18720	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	80933	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	51951	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	126640	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	151155	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	112617	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	275	0.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	957	0.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	965	0.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	510	0.36	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	583	0.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	617m	0.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	1354	0.95	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	4613	1.10	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	6353	1.30	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5007	1.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	9948m	1.70	ng/ul	0.00
79) Pyrene-d10	19.85	212	8767	1.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	6745m	1.20	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.96	128	141489	33.48	ng/ul	99
34) 2-Methylnaphthalene	12.56	142	17356	5.38	ng/ul	97
41) 1,1'-Biphenyl	13.56	154	7153	1.83	ng/ul#	97
50) Acenaphthene	14.79	153	33266	9.52	ng/ul	97
54) Dibenzofuran	15.12	168	23794	4.58	ng/ul	92
59) Fluorene	15.77	166	20719	4.96	ng/ul	98
70) Phenanthrene	17.51	178	54720	7.90	ng/ul	99
75) Carbazole	17.87	167	38124	6.46	ng/ul	98
77) Fluoranthene	19.51	202	15977	1.97	ng/ul#	98

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

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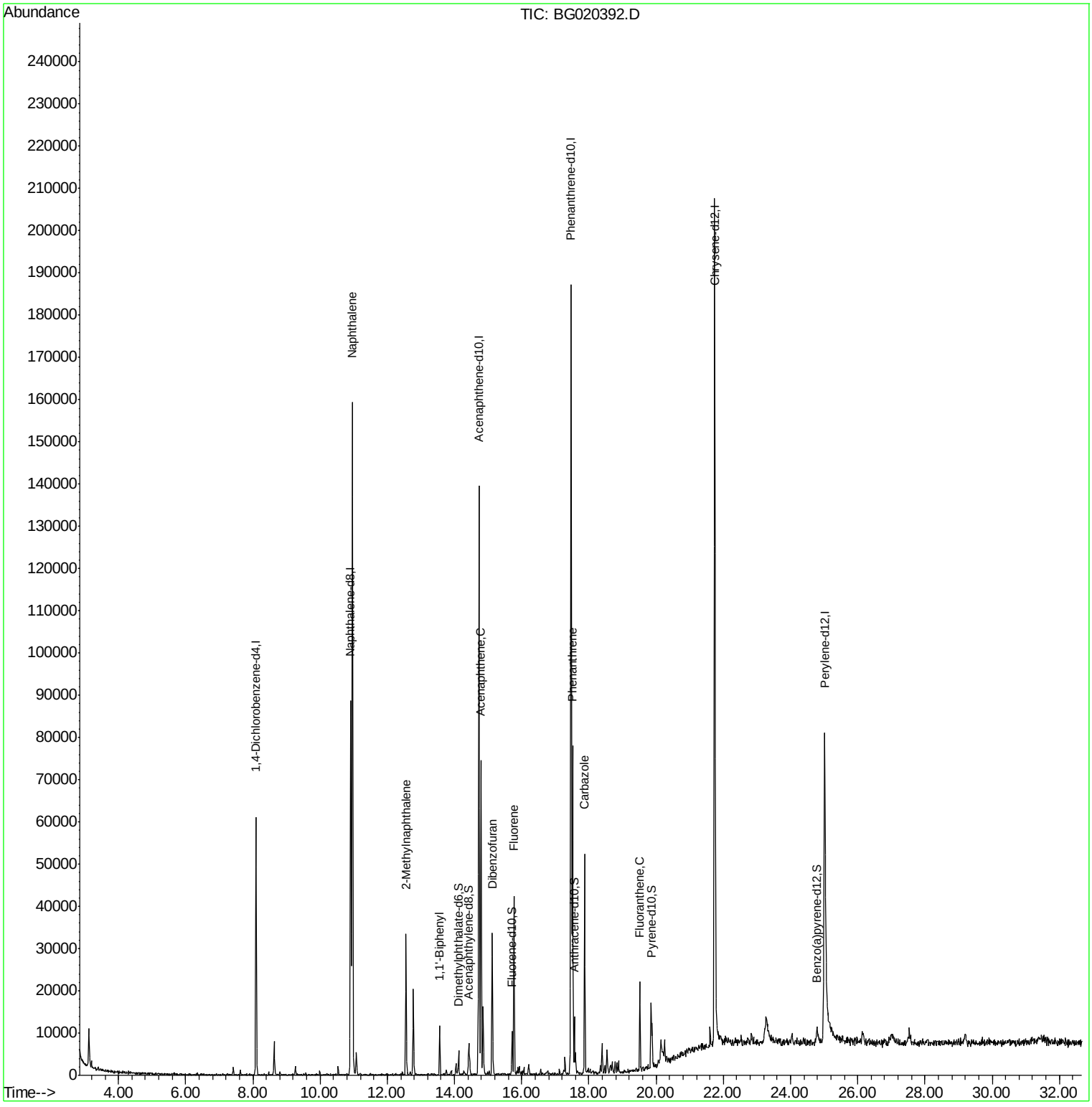
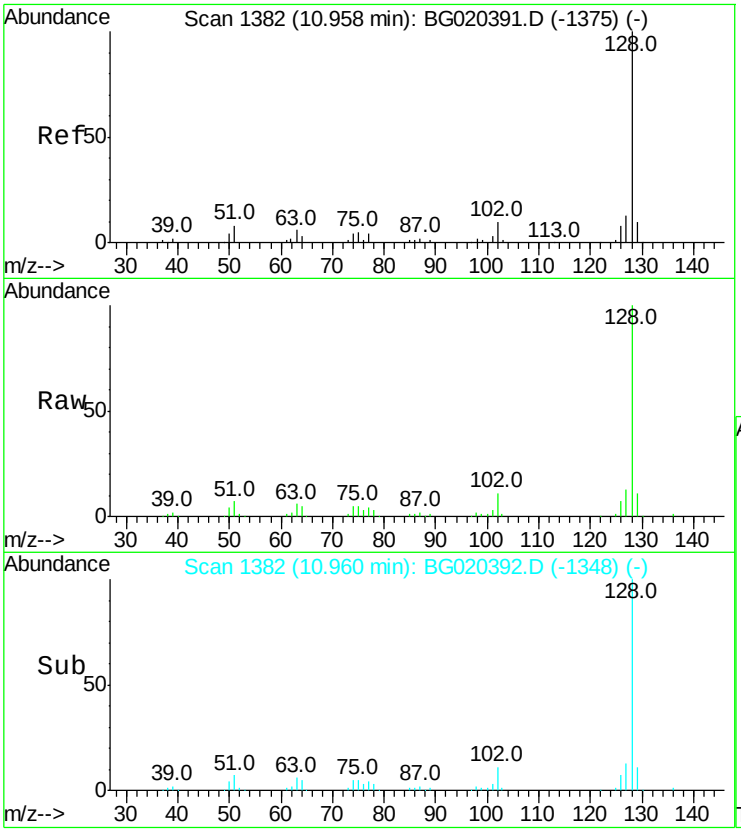


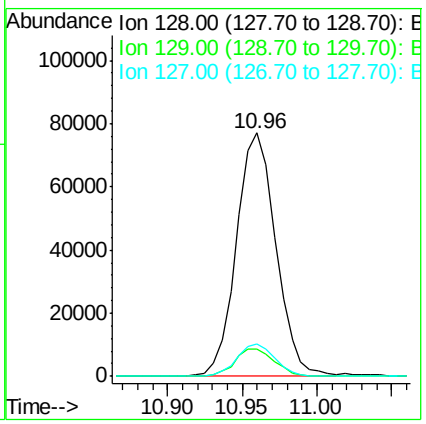


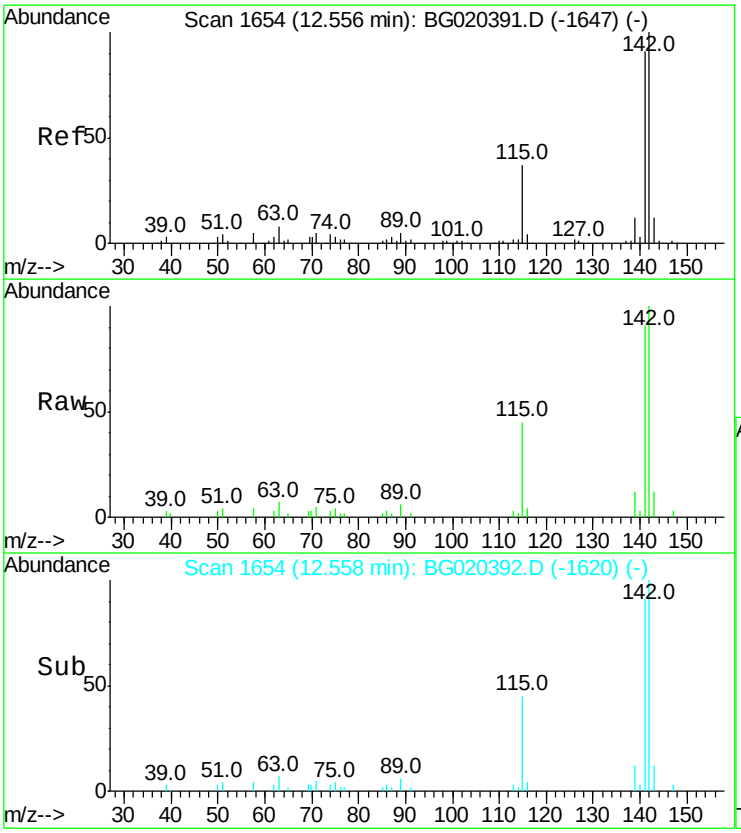
#28
Naphthalene
Concen: 33.48 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Instrument :
BNA_G
ClientSampleId :
D9N41DL

Tgt Ion:128 Resp: 141489

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.1	10.1	15.1

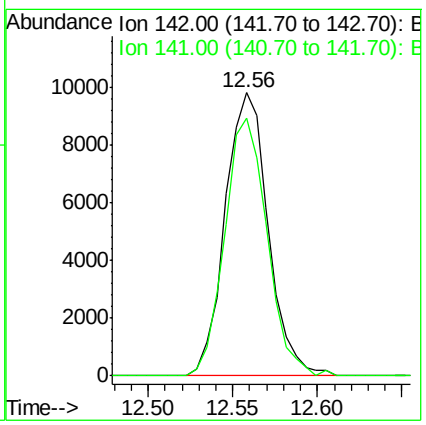


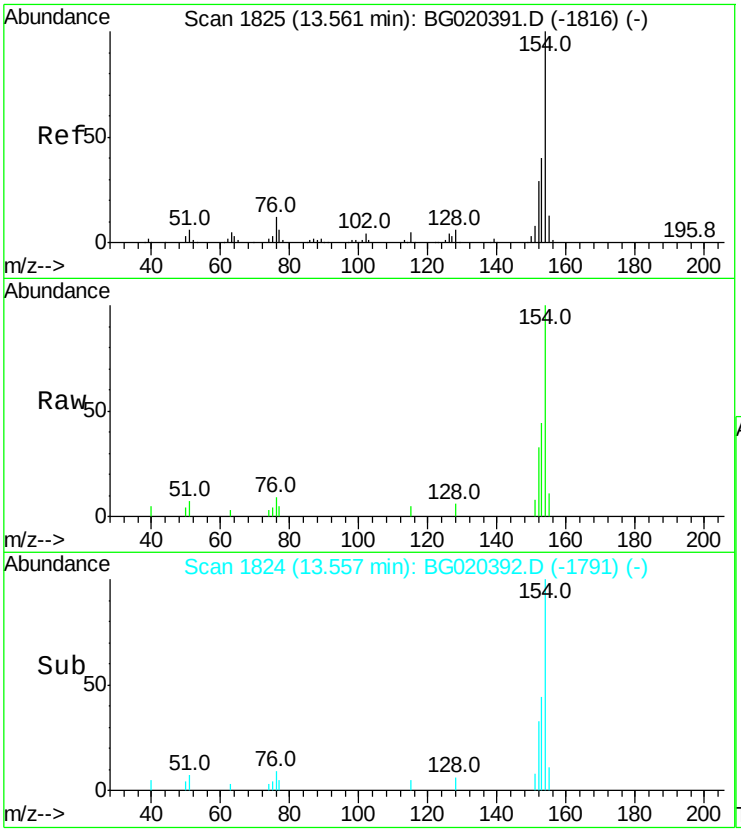


#34
2-Methylnaphthalene
Concen: 5.38 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Tgt Ion:142 Resp: 17356

Ion	Ratio	Lower	Upper
142	100		
141	91.2	74.9	112.3



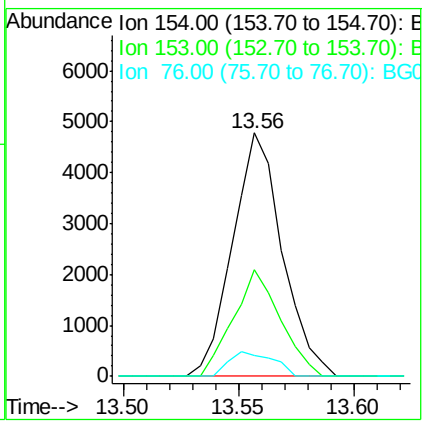


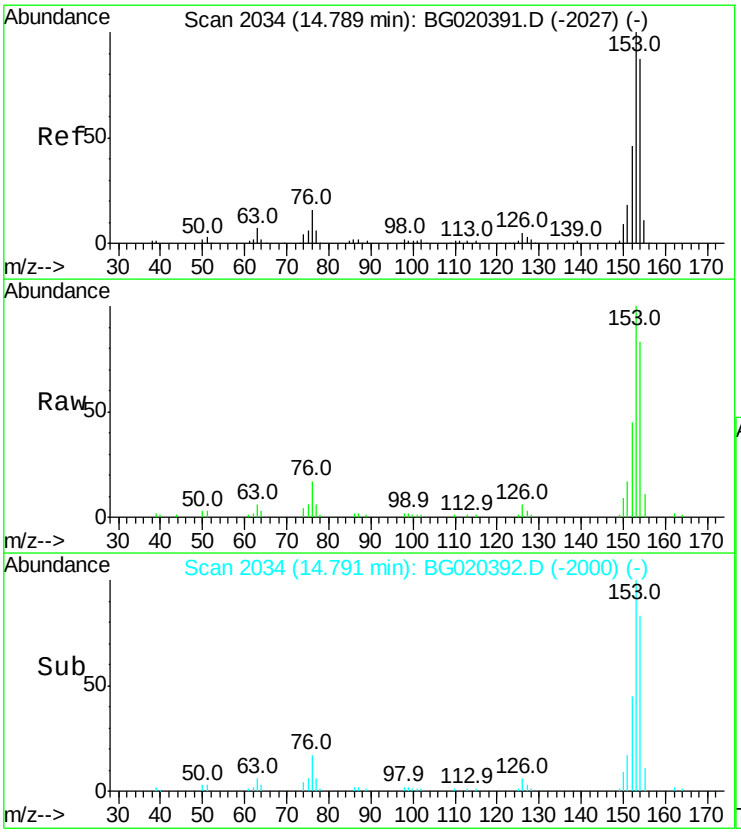
#41
1,1'-Biphenyl
Concen: 1.83 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Instrument :
BNA_G
ClientSampleId :
D9N41DL

Tgt Ion:154 Resp: 7153

Ion	Ratio	Lower	Upper
154	100		
153	43.8	35.5	53.3
76	8.8	10.4	15.6#

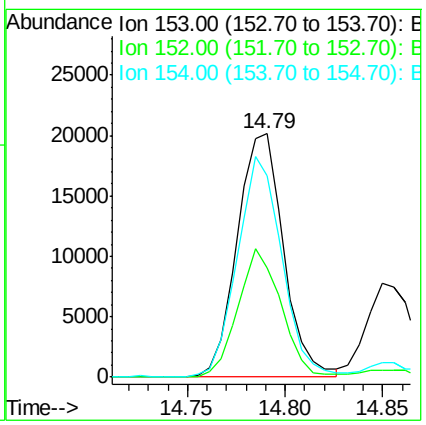


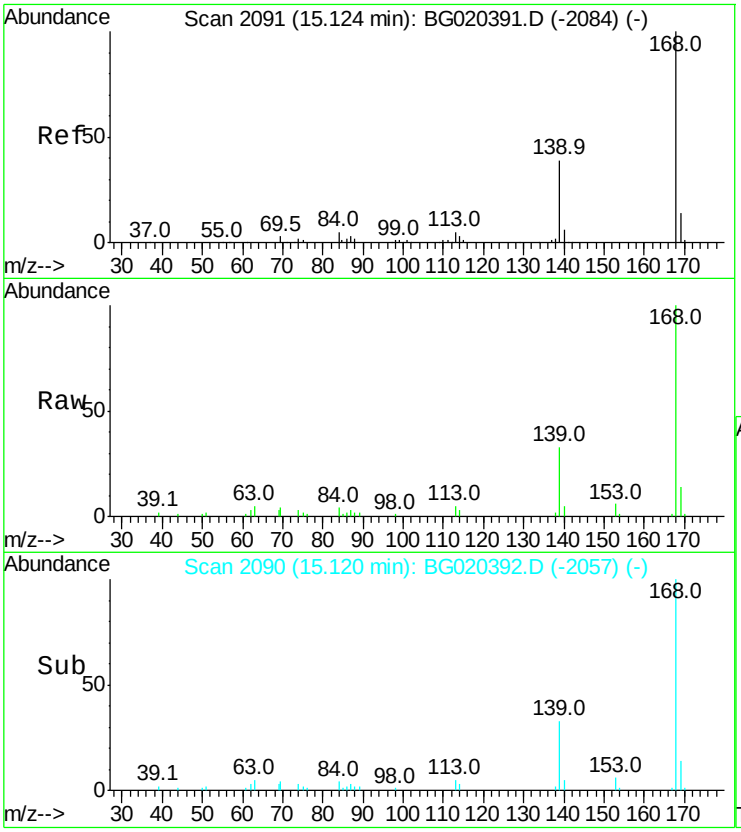


#50
Acenaphthene
Concen: 9.52 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Tgt Ion:153 Resp: 33266

Ion	Ratio	Lower	Upper
153	100		
152	44.9	37.6	56.4
154	82.7	67.9	101.9



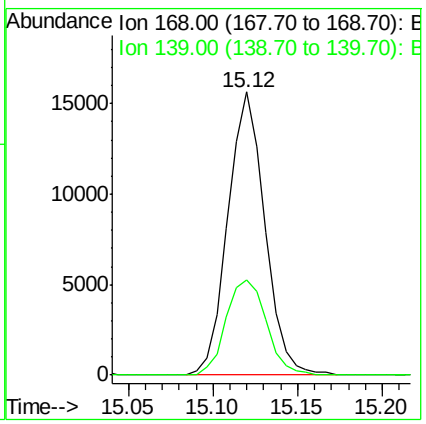


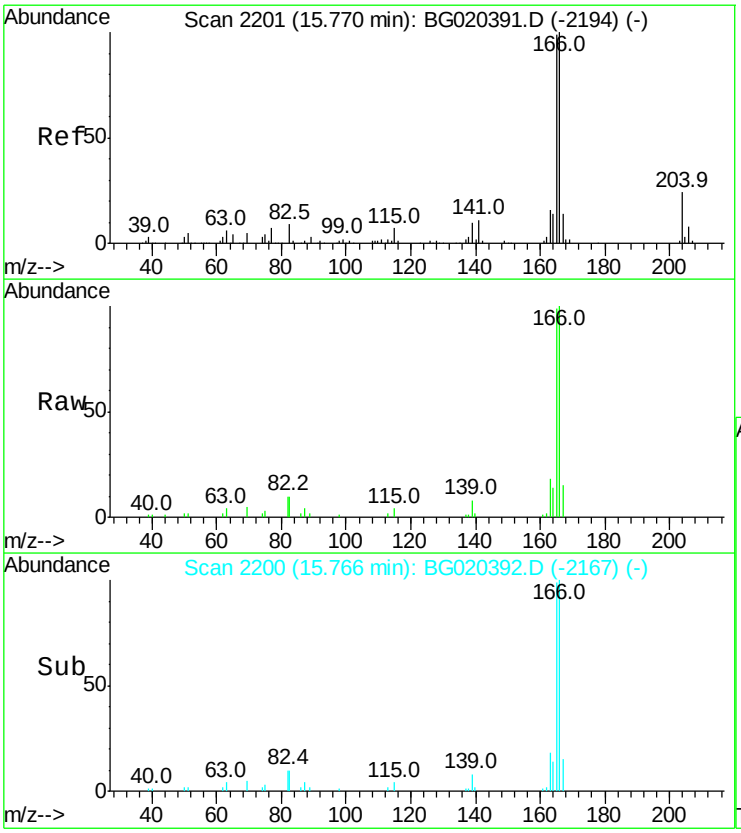
#54
Dibenzofuran
Concen: 4.58 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Instrument :
BNA_G
ClientSampleId :
D9N41DL

Tgt Ion:168 Resp: 23794

Ion	Ratio	Lower	Upper
168	100		
139	33.4	30.5	45.7

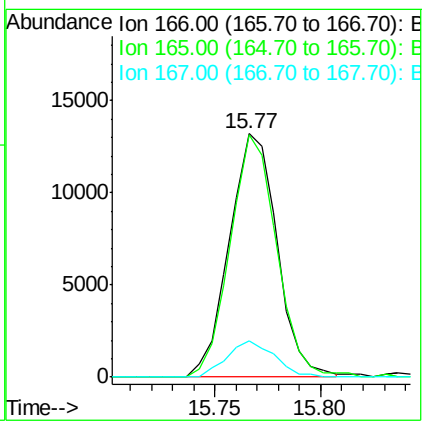


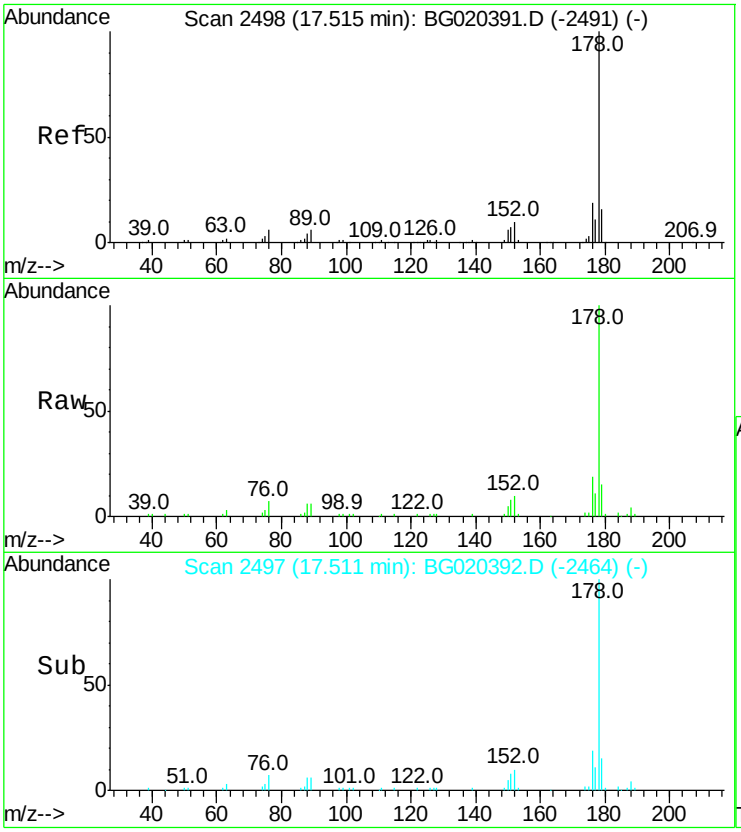


#59
Fluorene
Concen: 4.96 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Tgt Ion:166 Resp: 20719

Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.4	122.0
167	14.8	11.2	16.8



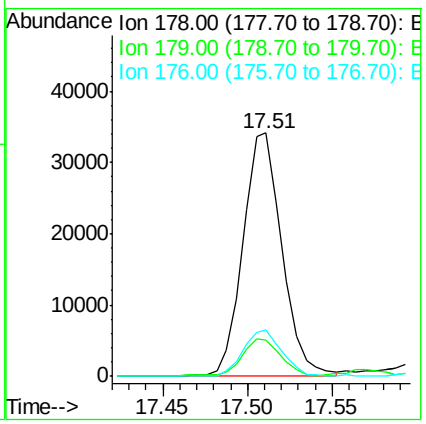


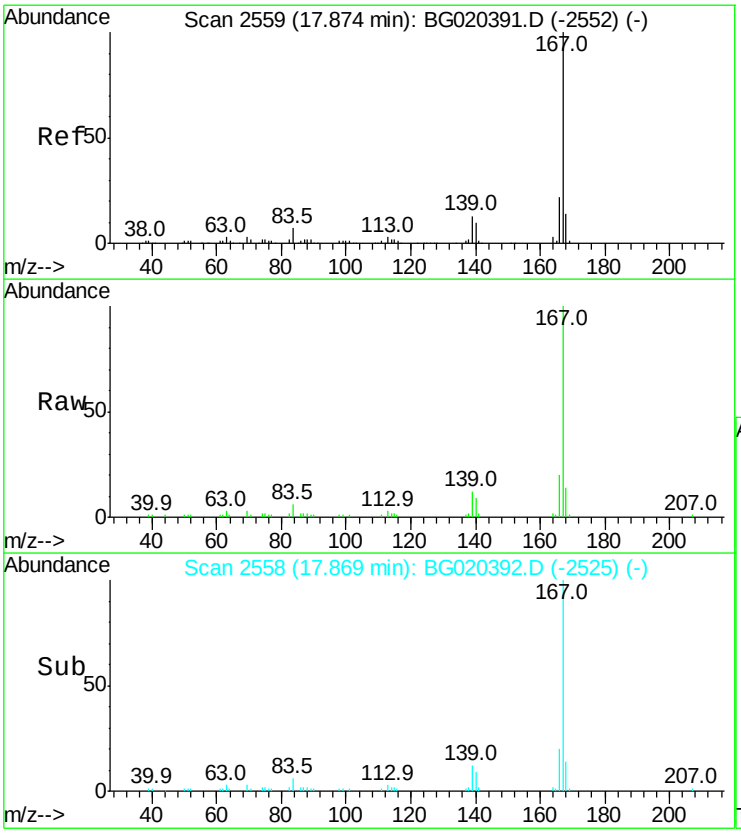
#70
Phenanthrene
Concen: 7.90 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Instrument :
BNA_G
ClientSampleId :
D9N41DL

Tgt Ion:178 Resp: 54720

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.9	19.3
176	19.0	15.3	22.9

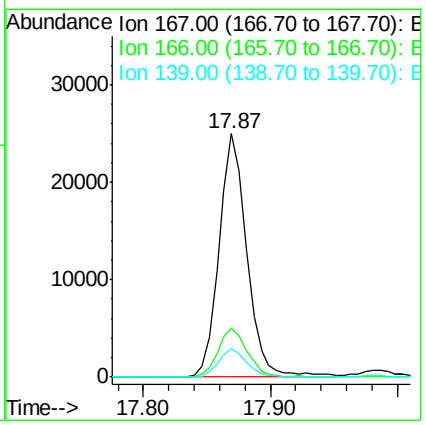


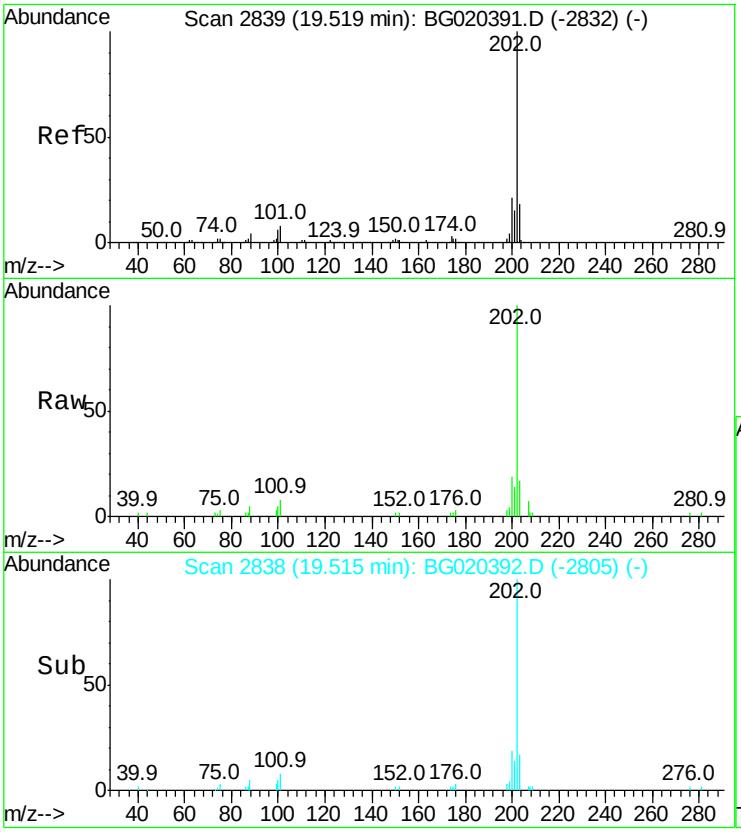


#75
Carbazole
Concen: 6.46 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Tgt Ion:167 Resp: 38124

Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.0	25.6
139	11.7	10.1	15.1





#77
Fluoranthene
Concen: 1.97 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. -0.00 min
Lab File: BG020392.D
Acq: 22 Dec 2015 00:58

Instrument :
BNA_G
ClientSampleId :
D9N41DL

Tgt Ion:202 Resp: 15977

Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.2	9.4
100	5.0	5.1	7.7#