Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020657.D
Acq On : 5 Jan 2016 15:47
Operator : UM/SJ
Sample : G4846-18
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N64

Quant Time: Jan 06 02:25:12 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 06 00:15:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	15252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	69531	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	53353	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	138607	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	166659	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	156844	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	588	2.31	ng/uL	0.00
5) Phenol-d5	7.21	99	11742	9.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	26890	34.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	29408	29.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	22254	20.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	19119	35.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	23083	37.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	38591	32.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	179	0.13	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	161942	37.09	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	177208	35.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.89	143	5073	7.41	ng/ul	0.00
58) Fluorene-d10	15.68	176	142806	36.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	23555	28.02	ng/ul	0.00
71) Anthracene-d10	17.54	188	236932	36.69	ng/ul	0.00
79) Pyrene-d10	19.82	212	278147	37.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	301427	38.52	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.93	128	1702239	462.29	ng/ul#	94
34) 2-Methylnaphthalene	12.53	142	395496	143.54	ng/ul	99
41) 1,1'-Biphenyl	13.53	154	142794	35.57	ng/ul	99
48) Acenaphthylene	14.41	152	65822	12.46	ng/ul	98
50) Acenaphthene	14.76	153	718185	200.92	ng/ul	98
54) Dibenzofuran	15.09	168	585656	108.42	ng/ul	100
59) Fluorene	15.74	166	538156	123.85	ng/ul	99
70) Phenanthrene	17.49	178	1386007	183.93	ng/ul	94
72) Anthracene	17.57	178	93147	12.09	ng/ul	97
75) Carbazole	17.84	167	467258	71.84	ng/ul	98
77) Fluoranthene	19.48	202	364405	39.58	ng/ul	99
80) Pyrene	19.85	202	210268	21.78	ng/ul	99

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

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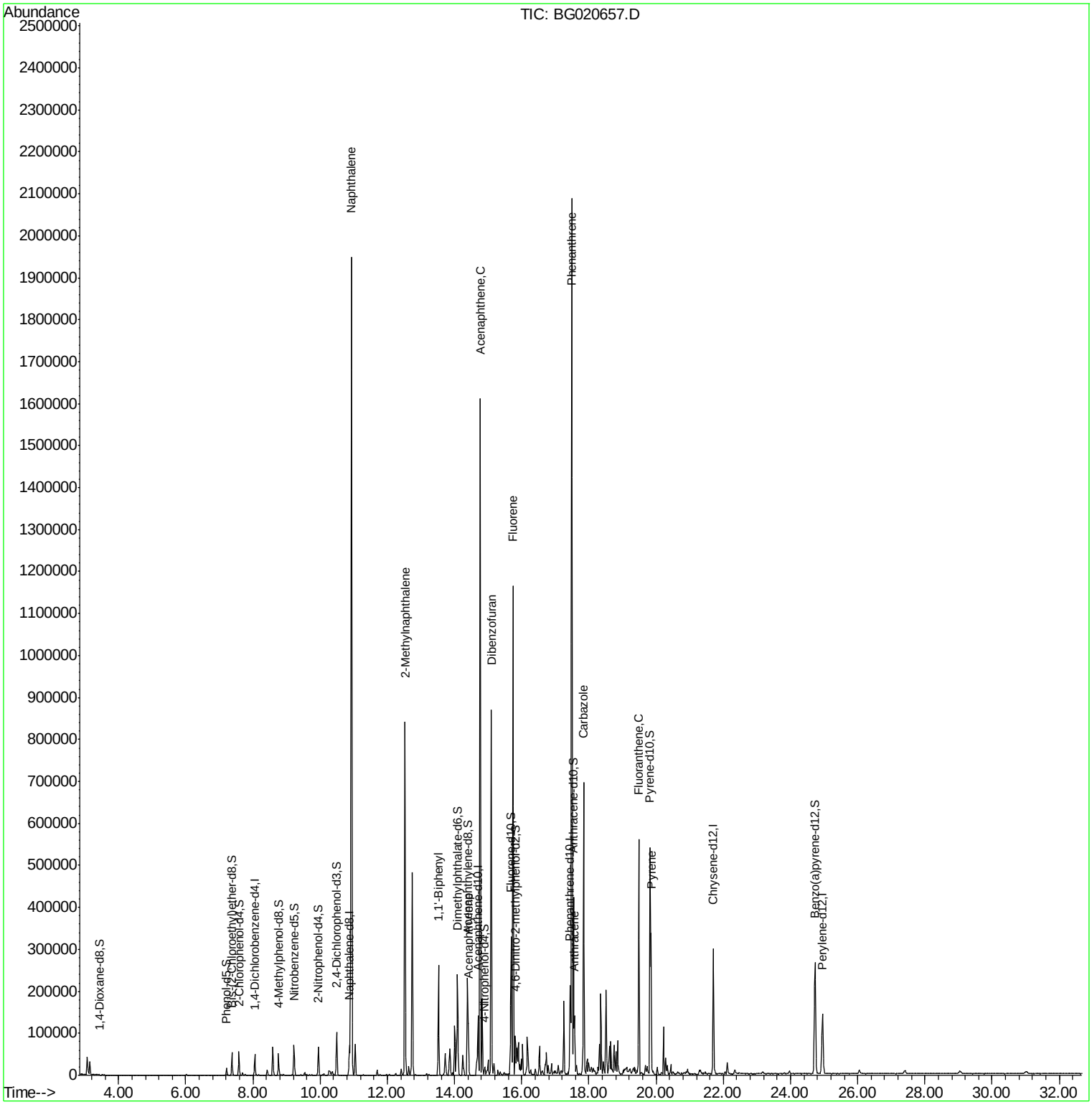
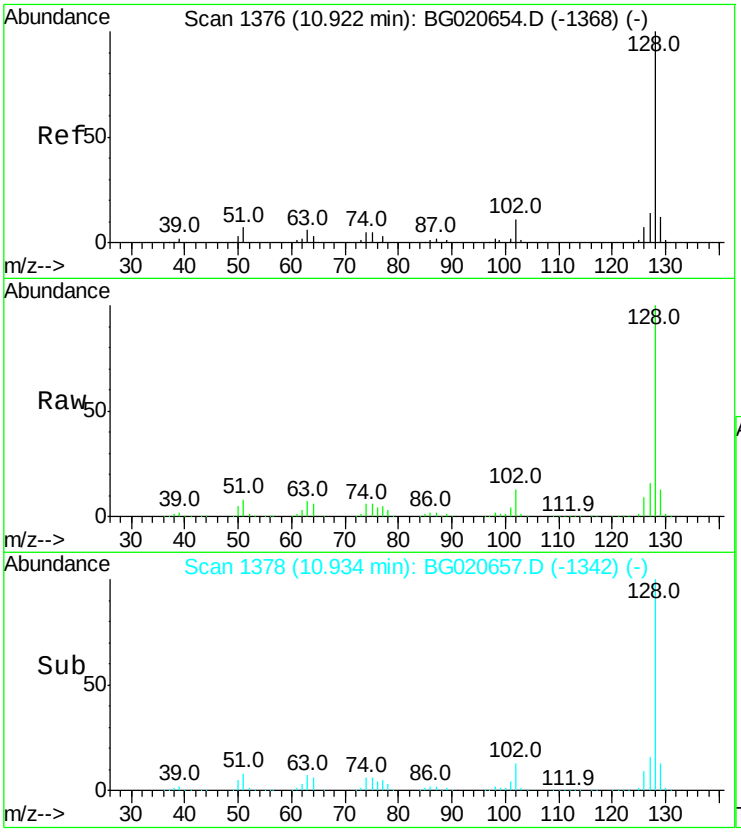


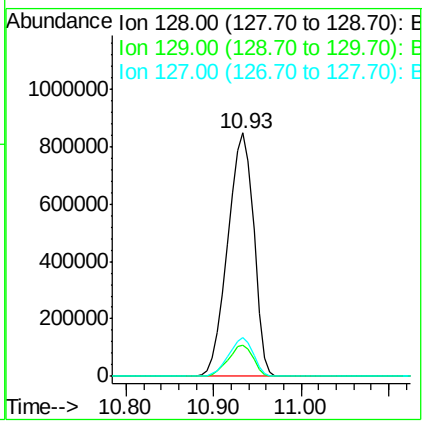


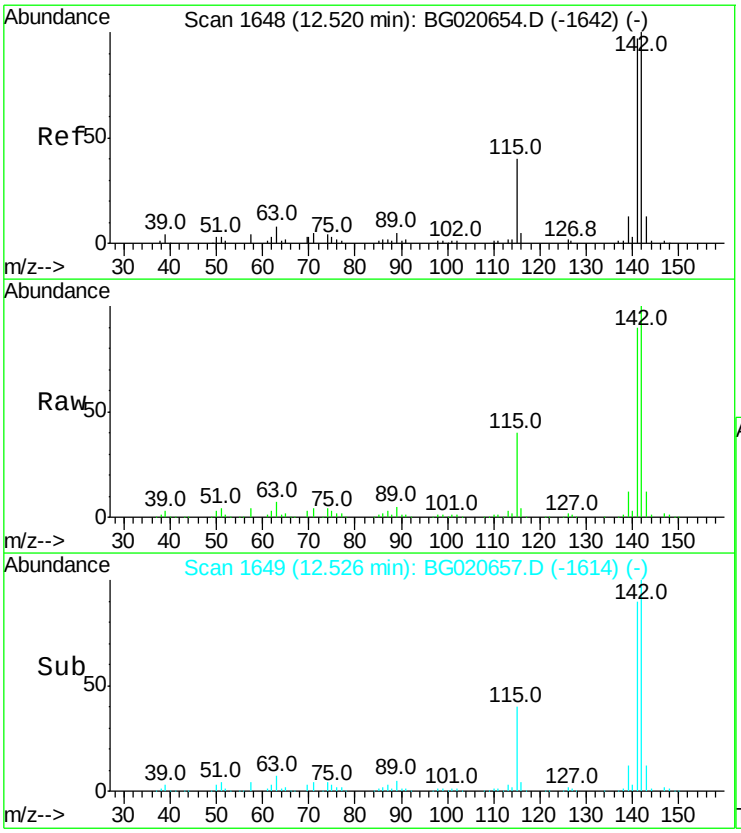
#28
Naphthalene
Concen: 462.29 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:128 Resp: 1702239

Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.3	12.5#
127	16.0	10.8	16.2

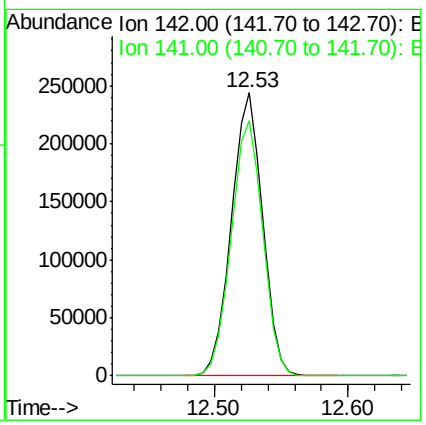


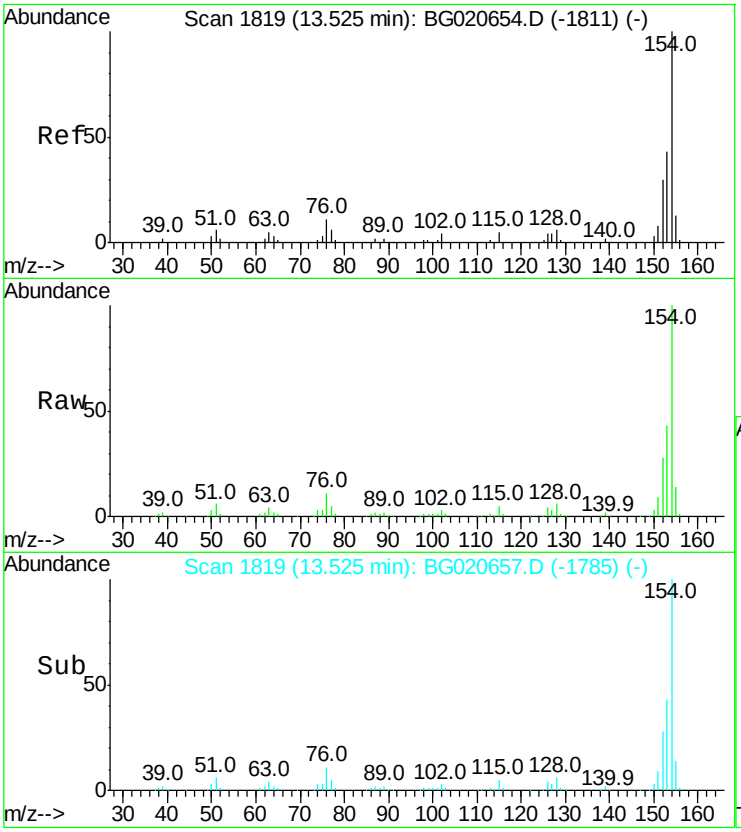


#34
2-Methylnaphthalene
Concen: 143.54 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:142 Resp: 395496

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.4	107.2



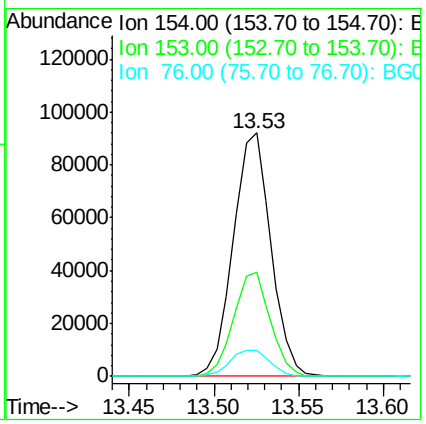


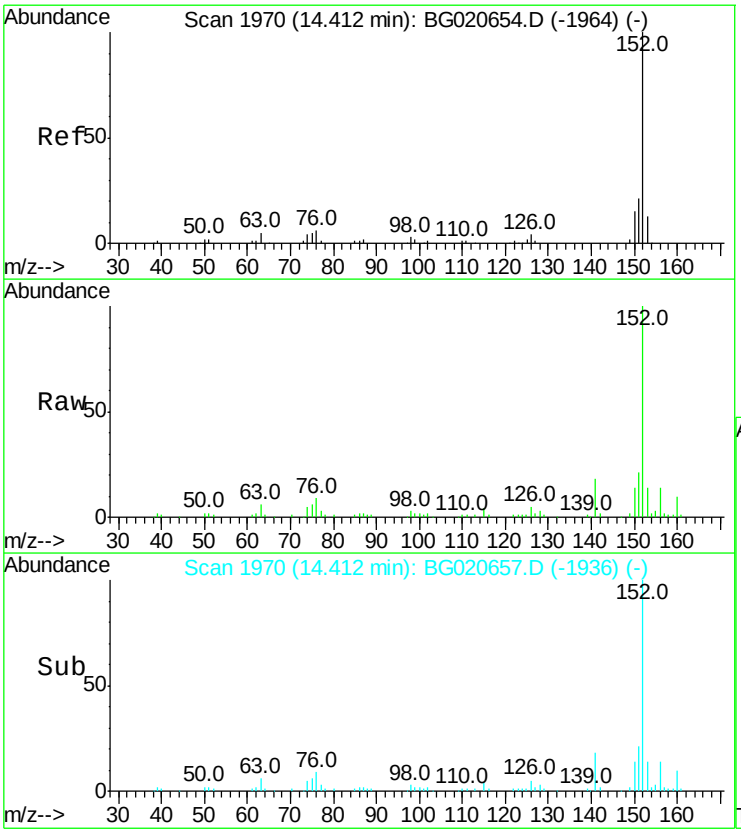
#41
1,1'-Biphenyl
Concen: 35.57 ng/ul
RT: 13.53 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:154 Resp: 142794

Ion	Ratio	Lower	Upper
154	100		
153	42.9	34.0	51.0
76	10.6	8.4	12.6

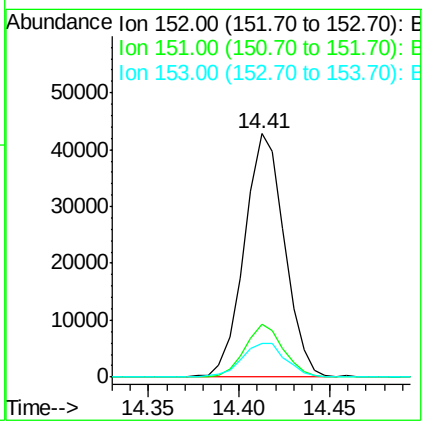


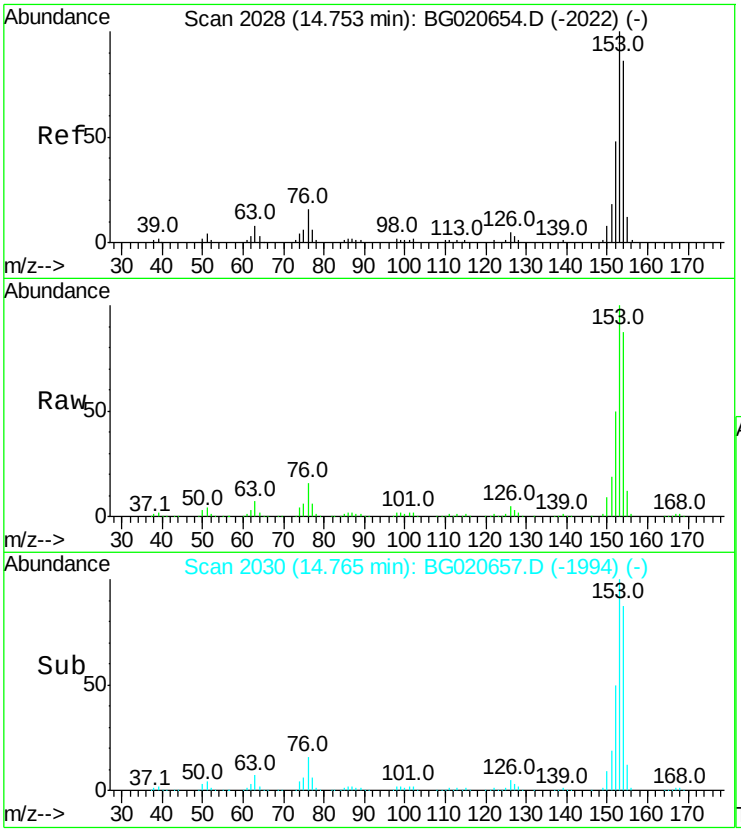


#48
Acenaphthylene
Concen: 12.46 ng/ul
RT: 14.41 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:152 Resp: 65822

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.1	24.1
153	13.6	10.8	16.2



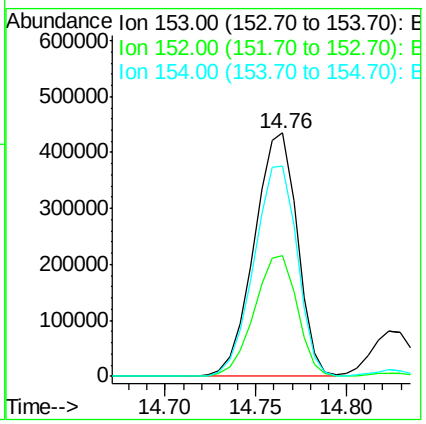


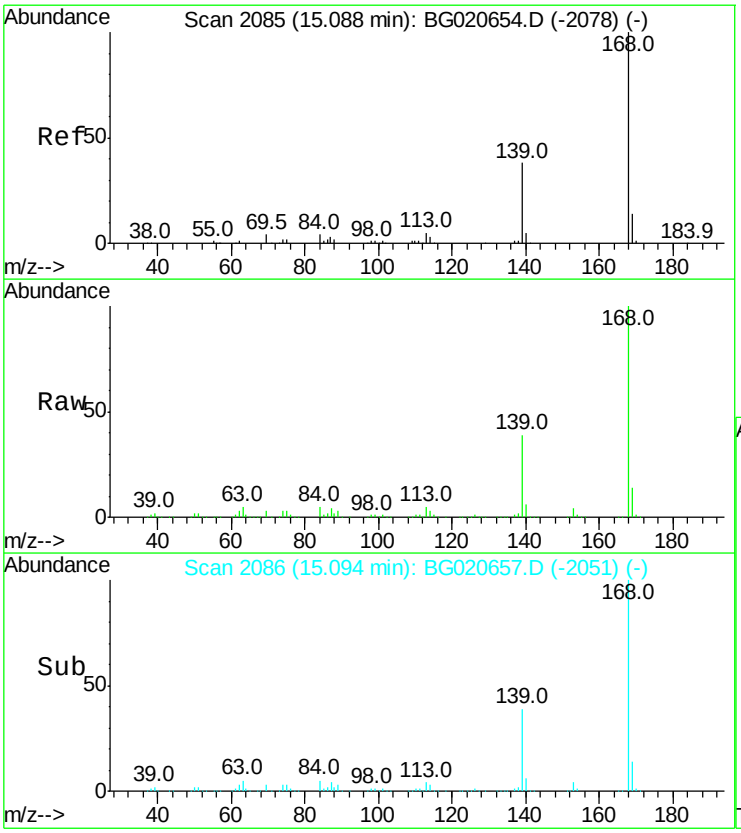
#50
Acenaphthene
Concen: 200.92 ng/ul
RT: 14.76 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:153 Resp: 718185

Ion	Ratio	Lower	Upper
153	100		
152	49.8	37.9	56.9
154	86.6	69.8	104.6

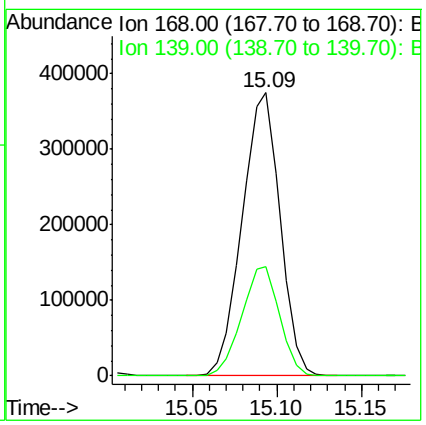


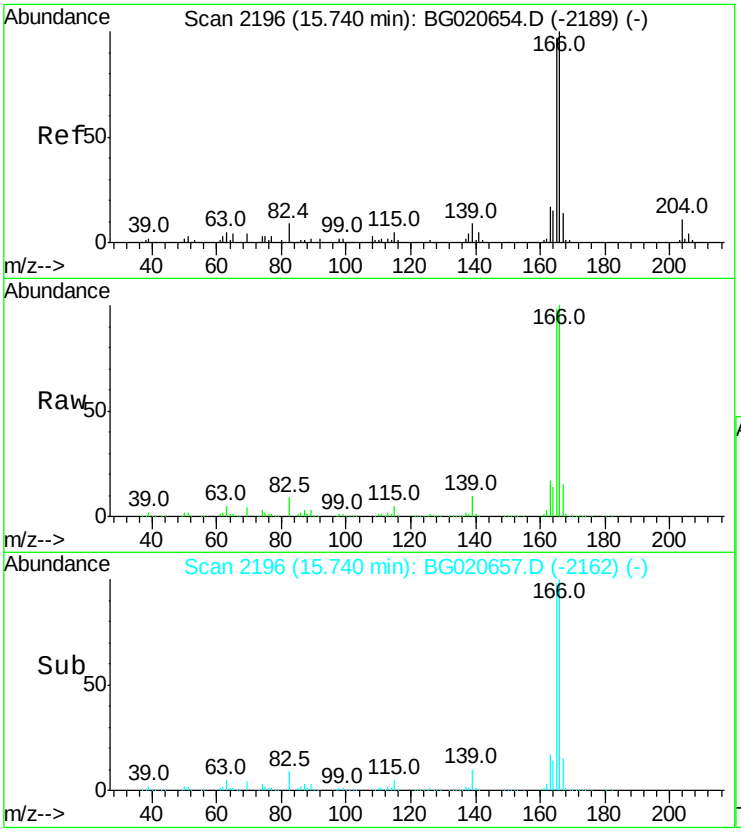


#54
Dibenzofuran
Concen: 108.42 ng/ul
RT: 15.09 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:168 Resp: 585656

Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.0	46.4



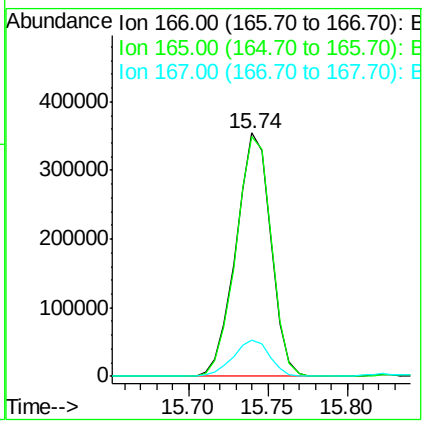


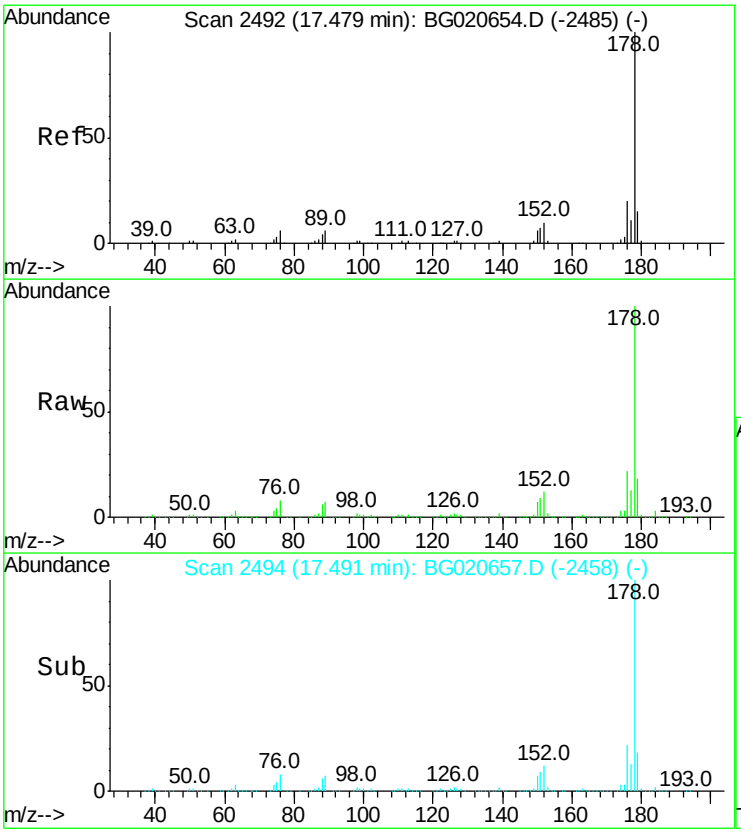
#59
Fluorene
Concen: 123.85 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:166 Resp: 538156

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.4	117.6
167	14.7	11.1	16.7

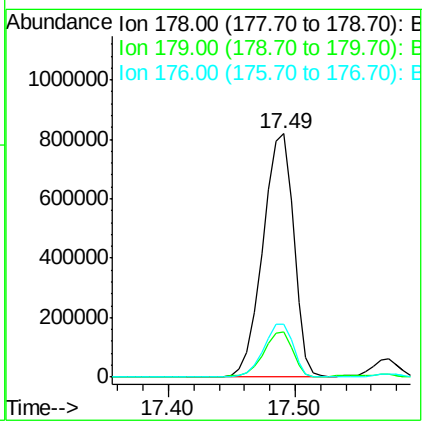


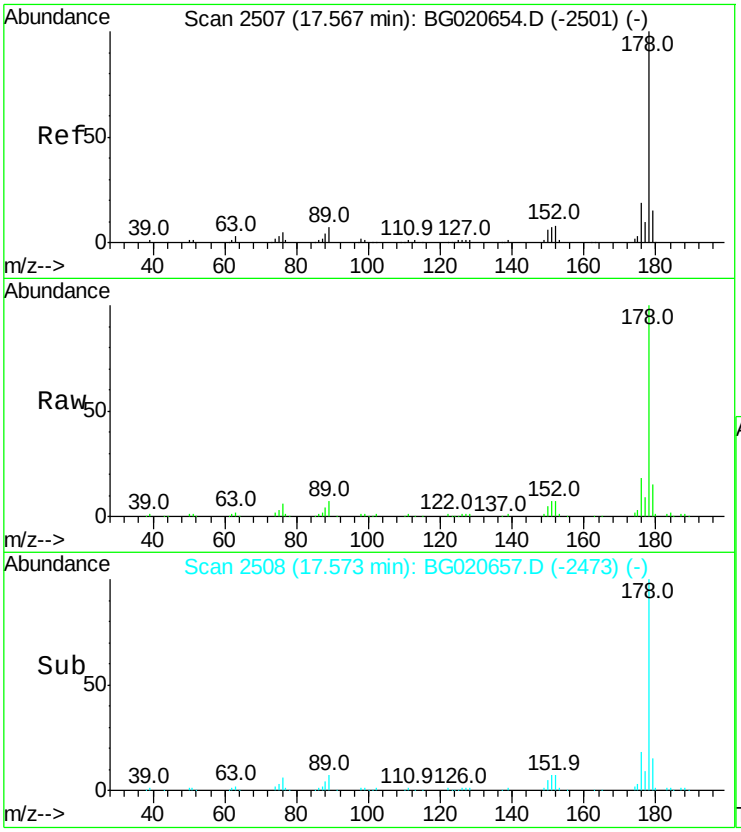


#70
Phenanthrene
Concen: 183.93 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:178 Resp: 1386007

Ion	Ratio	Lower	Upper
178	100		
179	18.5	12.3	18.5
176	21.8	15.4	23.0



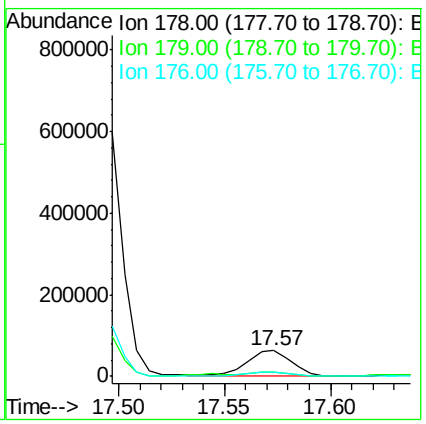


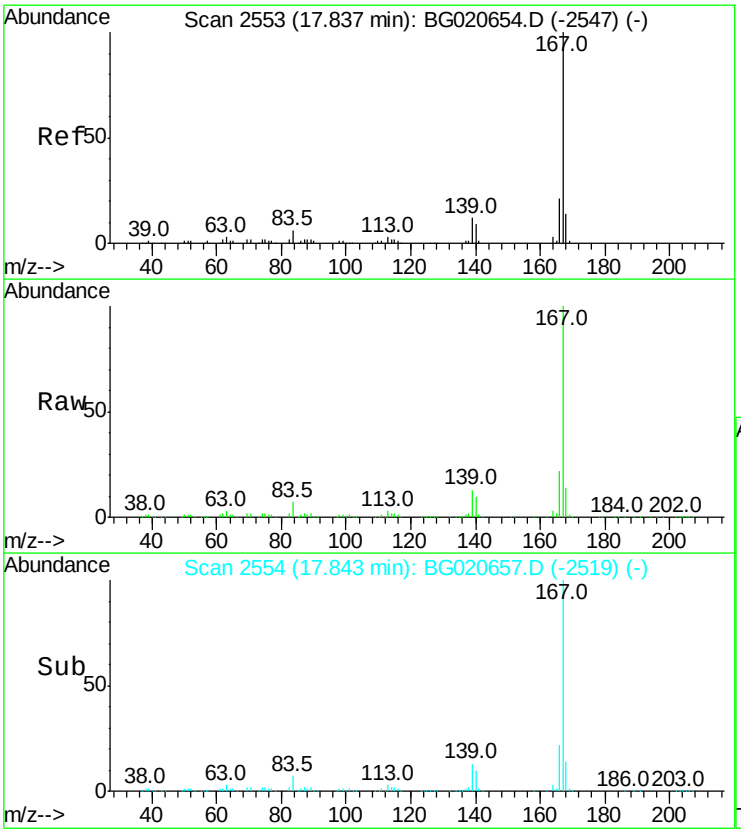
#72
Anthracene
Concen: 12.09 ng/ul
RT: 17.57 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:178 Resp: 93147

Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.2
176	18.0	15.4	23.0

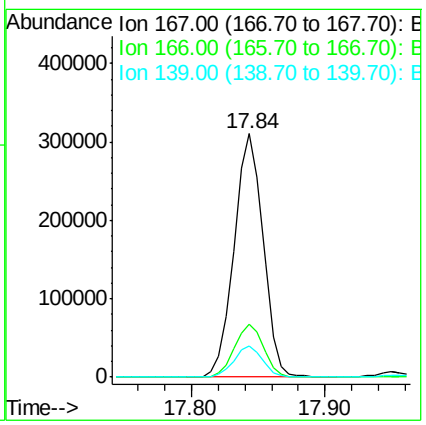


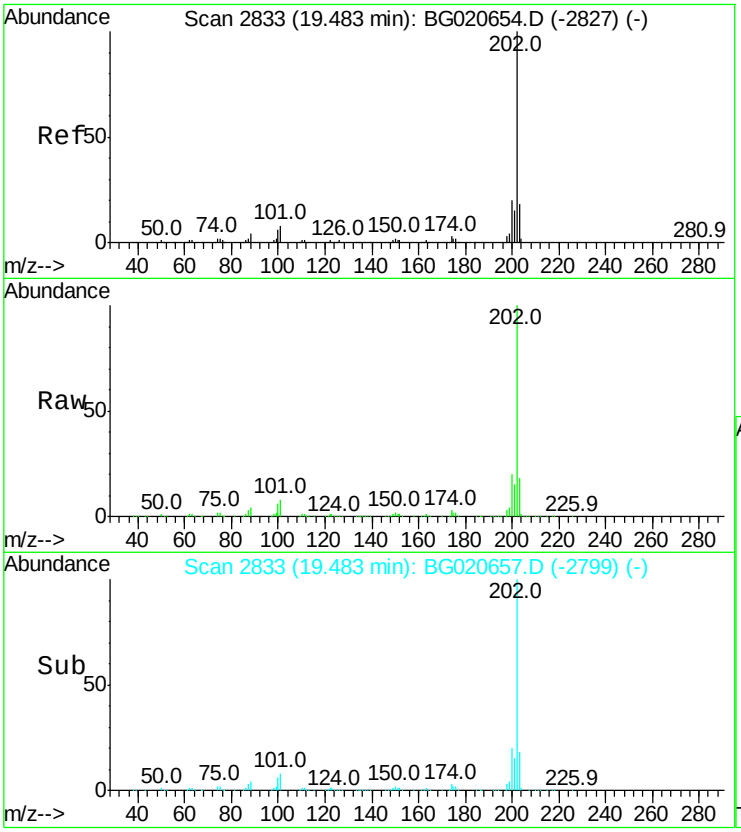


#75
Carbazole
Concen: 71.84 ng/ul
RT: 17.84 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:167 Resp: 467258

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.4
139	13.0	9.1	13.7



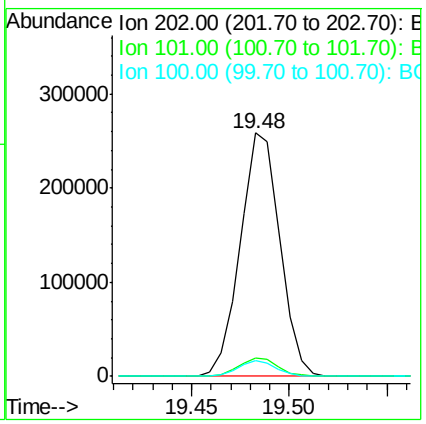


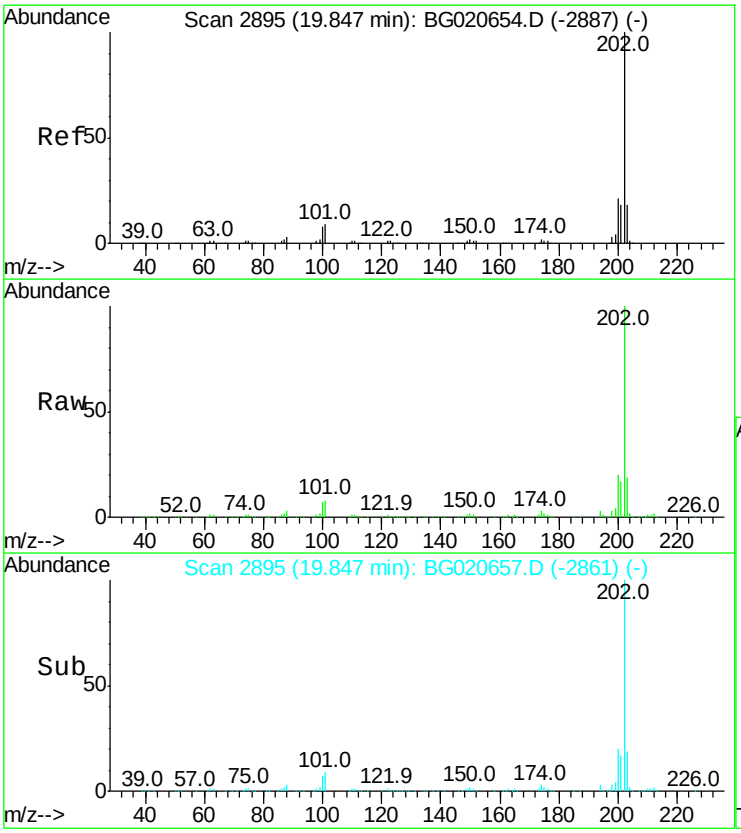
#77
Fluoranthene
Concen: 39.58 ng/ul
RT: 19.48 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Instrument :
BNA_G
ClientSampleId :
D9N64

Tgt Ion:202 Resp: 364405

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.1	9.1
100	6.3	4.6	7.0





#80
Pyrene
Concen: 21.78 ng/ul
RT: 19.85 min Scan# 2895
Delta R.T. 0.00 min
Lab File: BG020657.D
Acq: 5 Jan 2016 15:47

Tgt Ion:202 Resp: 210268

Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
100	7.3	5.6	8.4