Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010516\
Data File : BG020658.D
Acq On : 5 Jan 2016 17:05
Operator : UM/SJ
Sample : G4846-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N65

Quant Time: Jan 06 02:41:09 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	16726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	75778	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	54677	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	138399	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	160109	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	152664	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	323	1.16	ng/uL	0.00
5) Phenol-d5	7.21	99	10327	7.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	28654	33.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	29476	27.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	20770	17.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	19755	33.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	24384	35.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	40246	31.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	706	0.46	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	160410	35.85	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	180948	35.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	3934	5.61	ng/ul	0.00
58) Fluorene-d10	15.68	176	143341	35.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	20946	24.95	ng/ul	0.00
71) Anthracene-d10	17.54	188	230960	35.82	ng/ul	0.00
79) Pyrene-d10	19.82	212	269272	37.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	288341	37.86	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.94	128	2703219	673.61	ng/ul#	86
34) 2-Methylnaphthalene	12.52	142	436577	145.39	ng/ul	98
41) 1,1'-Biphenyl	13.52	154	139952	34.02	ng/ul	98
48) Acenaphthylene	14.42	152	61681	11.39	ng/ul	98
50) Acenaphthene	14.76	153	593816	162.10	ng/ul	98
54) Dibenzofuran	15.09	168	481667	87.01	ng/ul	99
59) Fluorene	15.74	166	339309	76.20	ng/ul	98
70) Phenanthrene	17.48	178	575789	76.53	ng/ul	98
72) Anthracene	17.57	178	26852	3.49	ng/ul	98
75) Carbazole	17.84	167	203434	31.33	ng/ul	98
77) Fluoranthene	19.49	202	64966	7.07	ng/ul	99
80) Pyrene	19.84	202	35376	3.81	ng/ul	98

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
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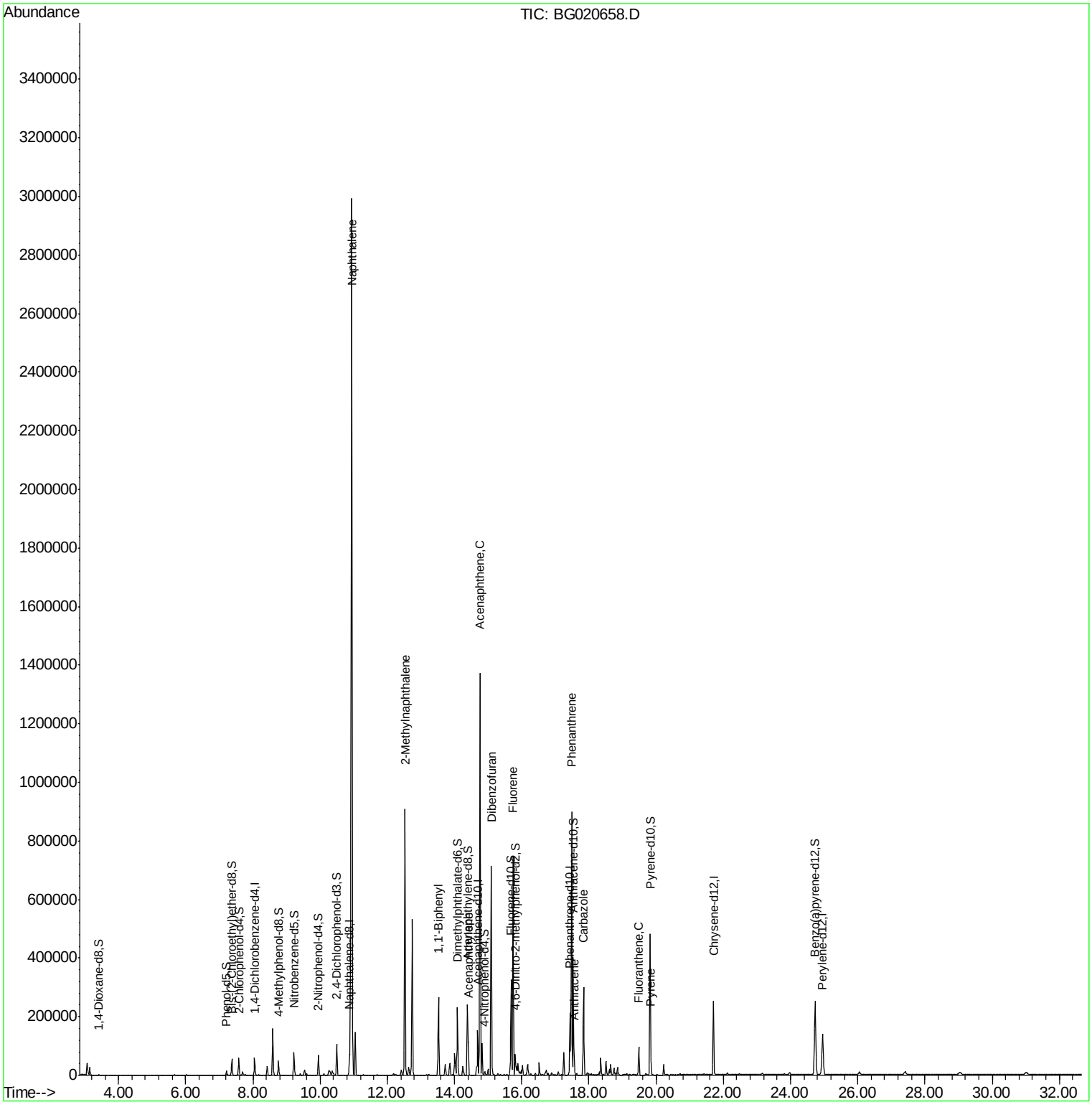
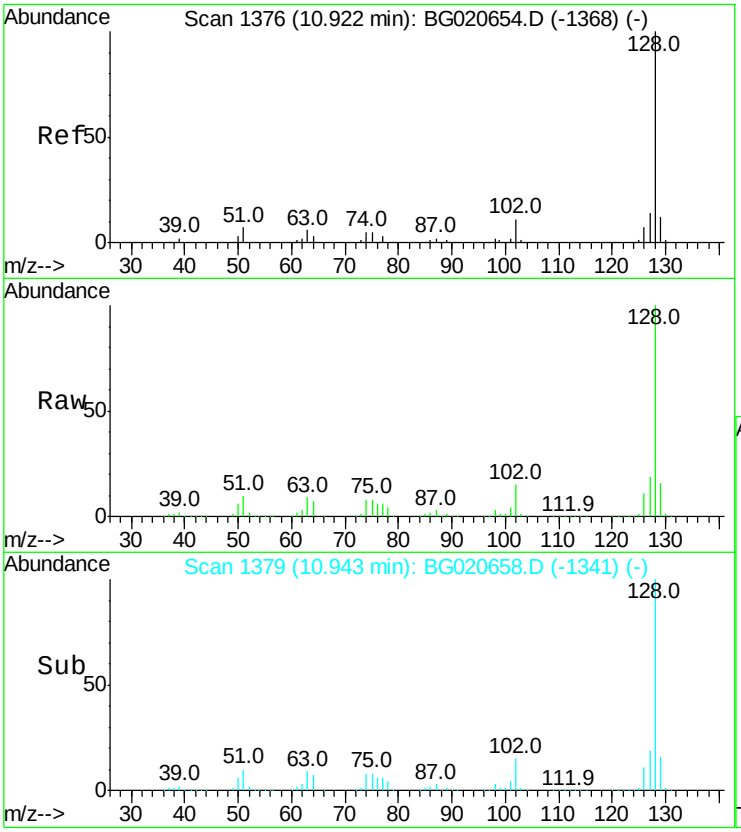


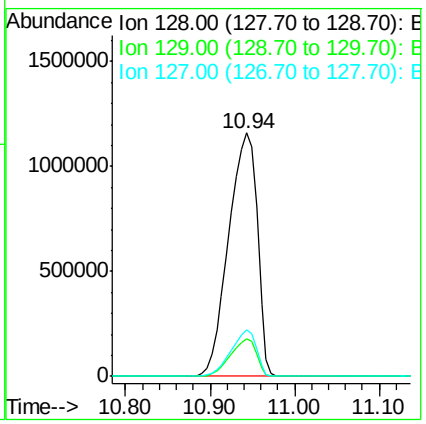


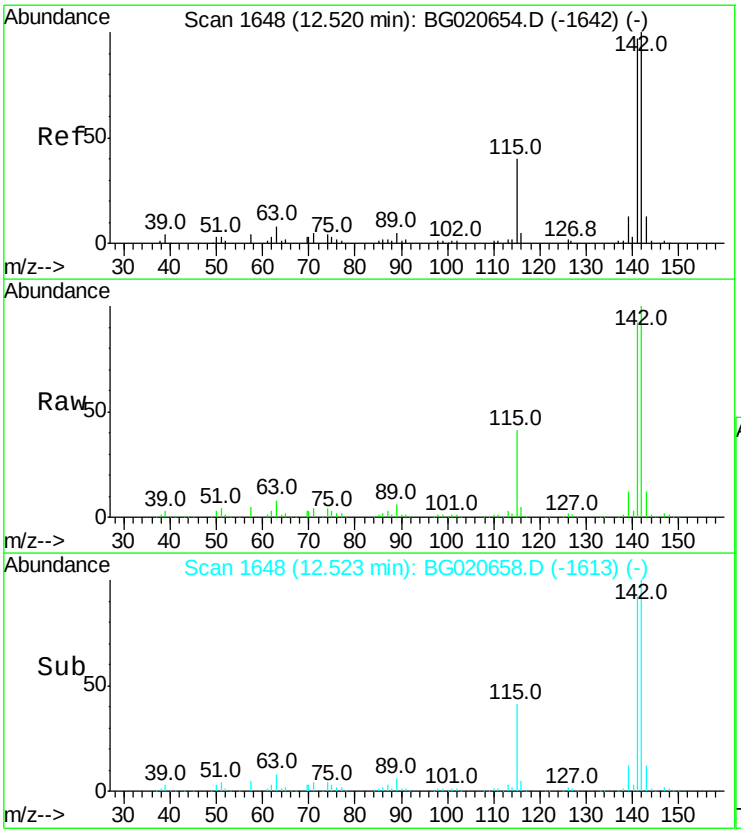
#28
Naphthalene
Concen: 673.61 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.02 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:128 Resp: 2703219

Ion	Ratio	Lower	Upper
128	100		
129	15.6	8.3	12.5#
127	19.1	10.8	16.2#

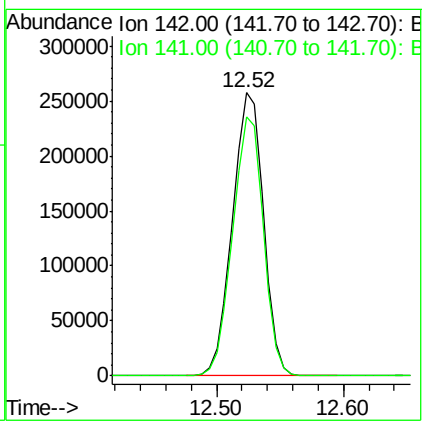


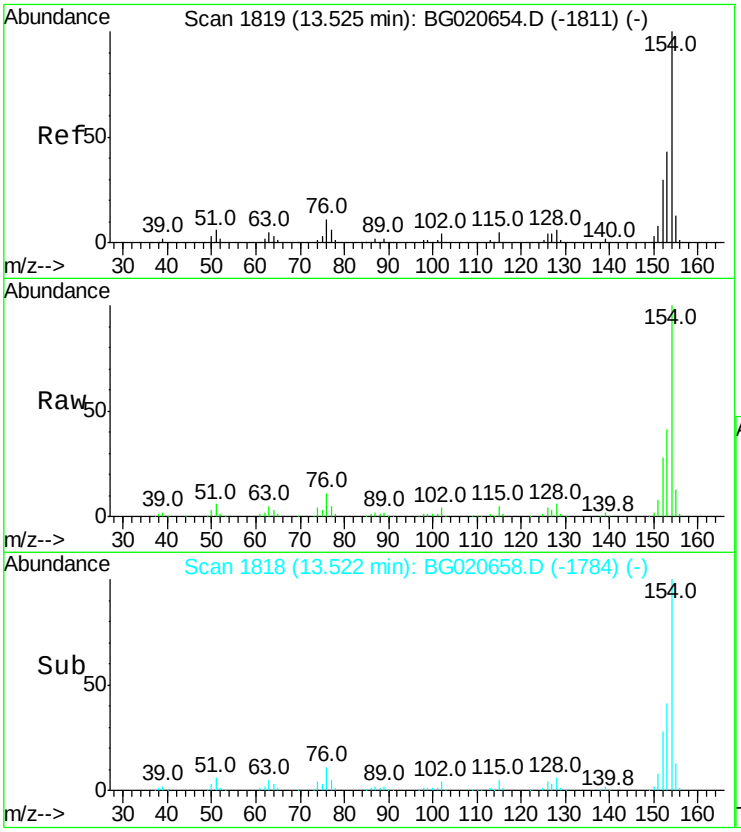


#34
2-Methylnaphthalene
Concen: 145.39 ng/ul
RT: 12.52 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:142 Resp: 436577

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.4	107.2



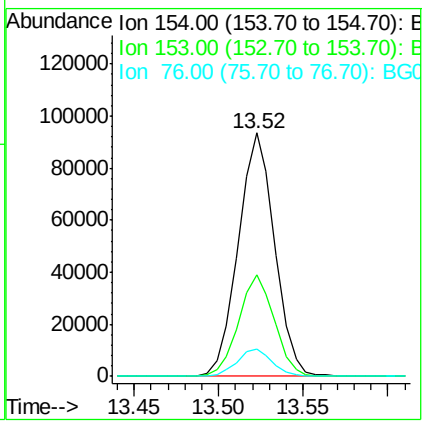


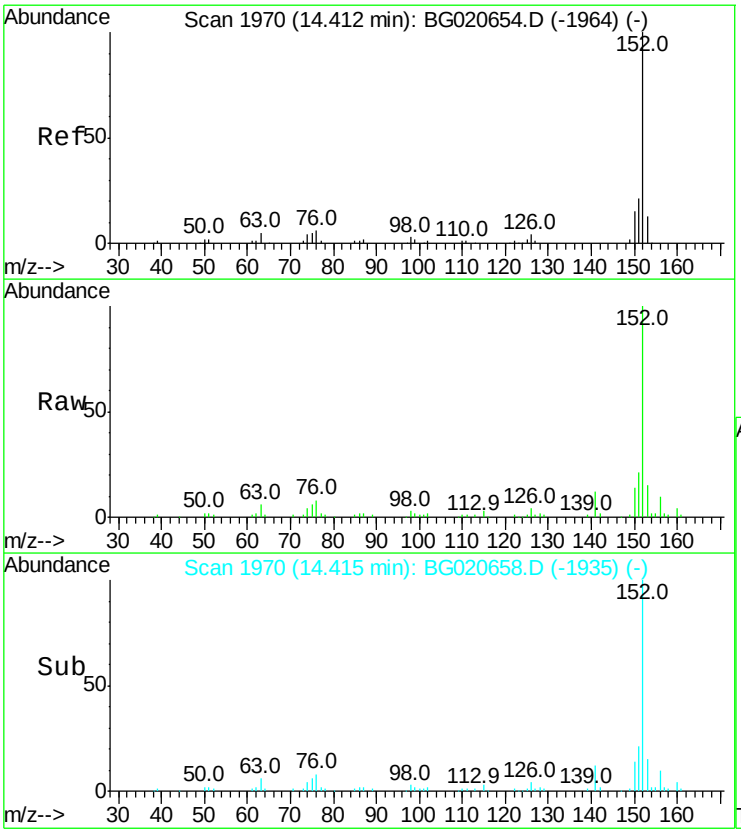
#41
1,1'-Biphenyl
Concen: 34.02 ng/ul
RT: 13.52 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:154 Resp: 139952

Ion	Ratio	Lower	Upper
154	100		
153	41.5	34.0	51.0
76	11.4	8.4	12.6

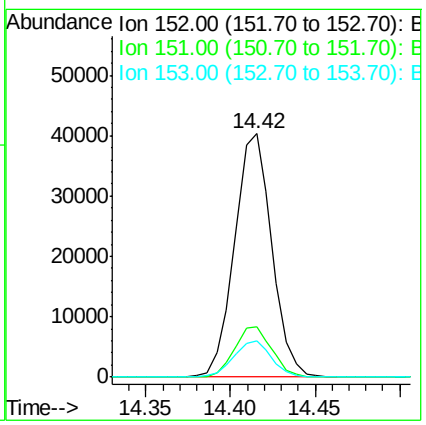


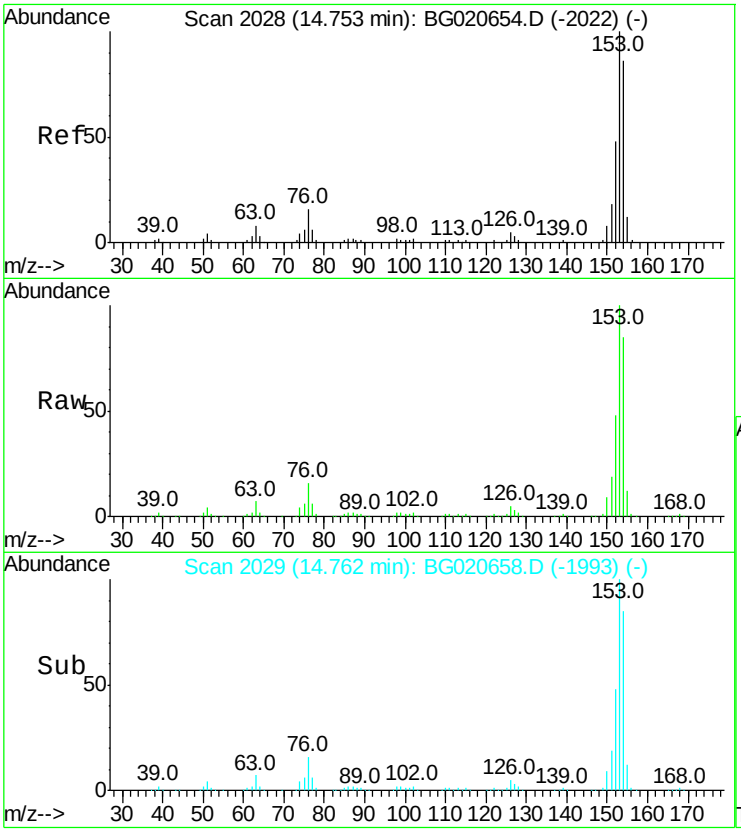


#48
Acenaphthylene
Concen: 11.39 ng/ul
RT: 14.42 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:152 Resp: 61681

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.1	24.1
153	14.6	10.8	16.2



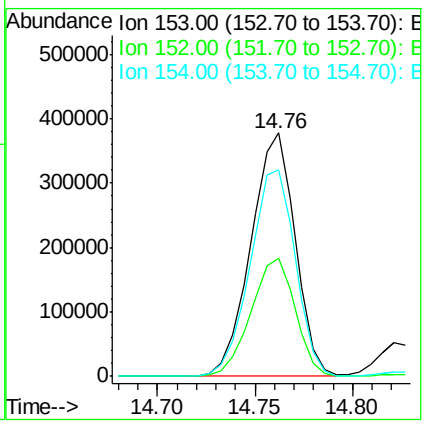


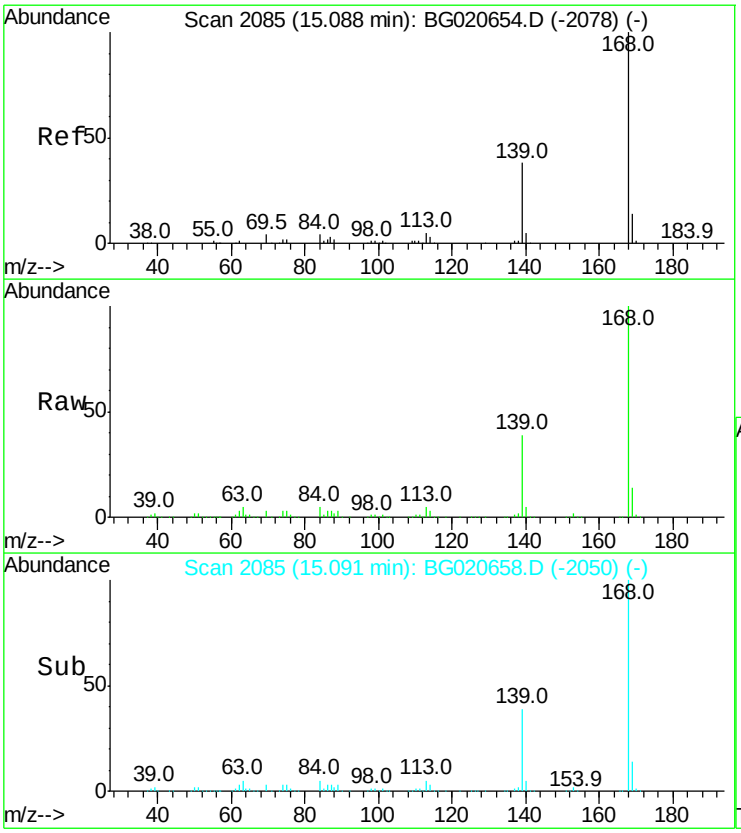
#50
Acenaphthene
Concen: 162.10 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:153 Resp: 593816

Ion	Ratio	Lower	Upper
153	100		
152	48.4	37.9	56.9
154	84.9	69.8	104.6

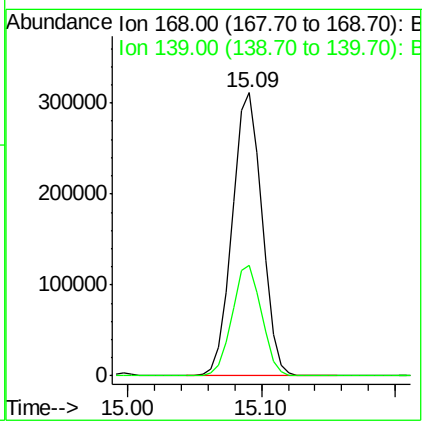


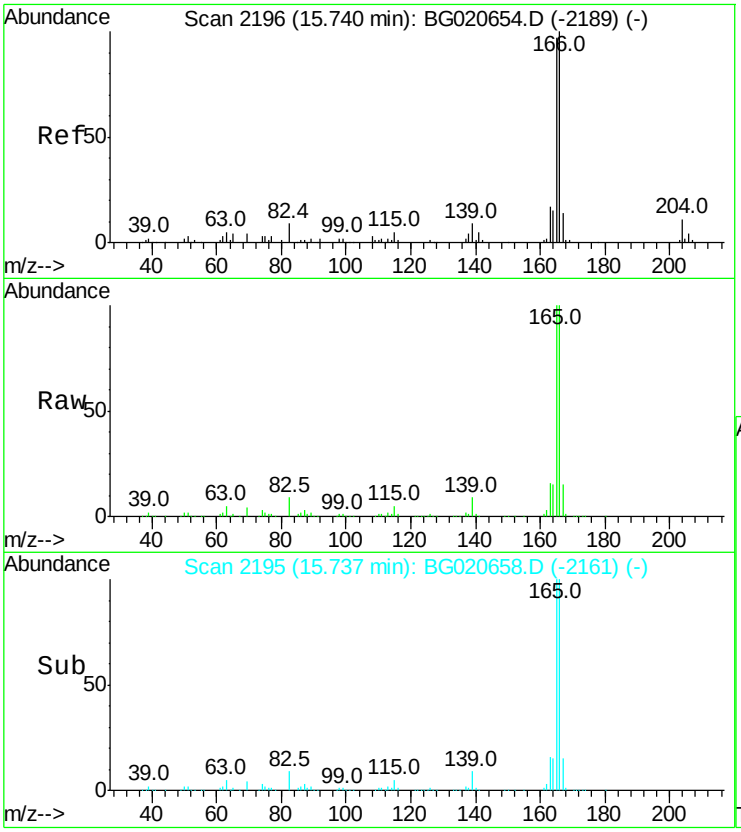


#54
Dibenzofuran
Concen: 87.01 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:168 Resp: 481667

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.0	46.4



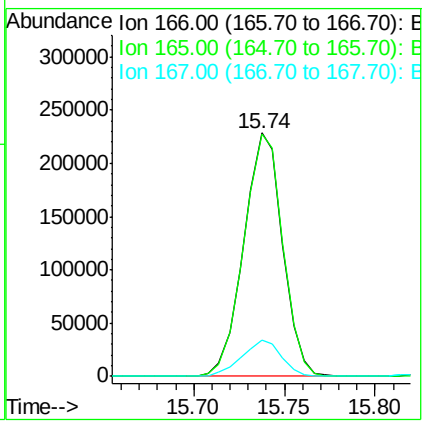


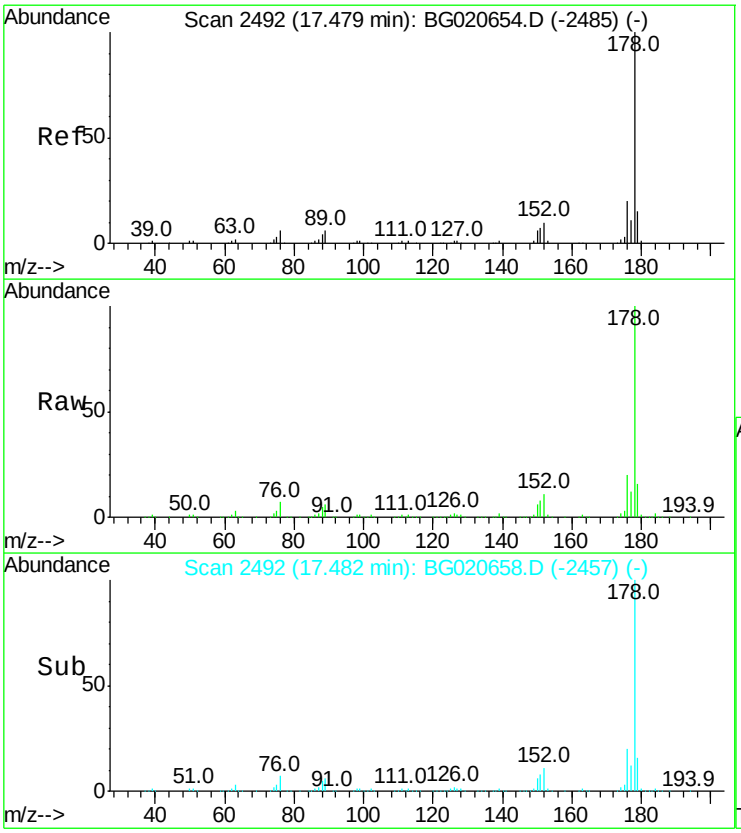
#59
Fluorene
Concen: 76.20 ng/ul
RT: 15.74 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:166 Resp: 339309

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.4	117.6
167	14.7	11.1	16.7

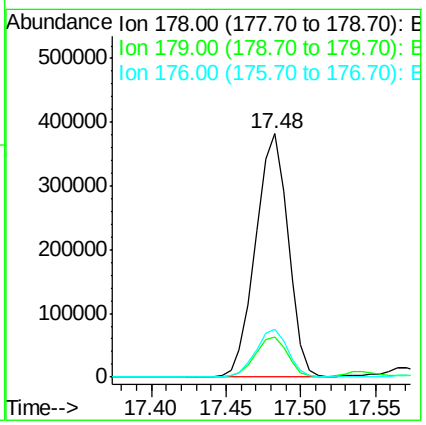


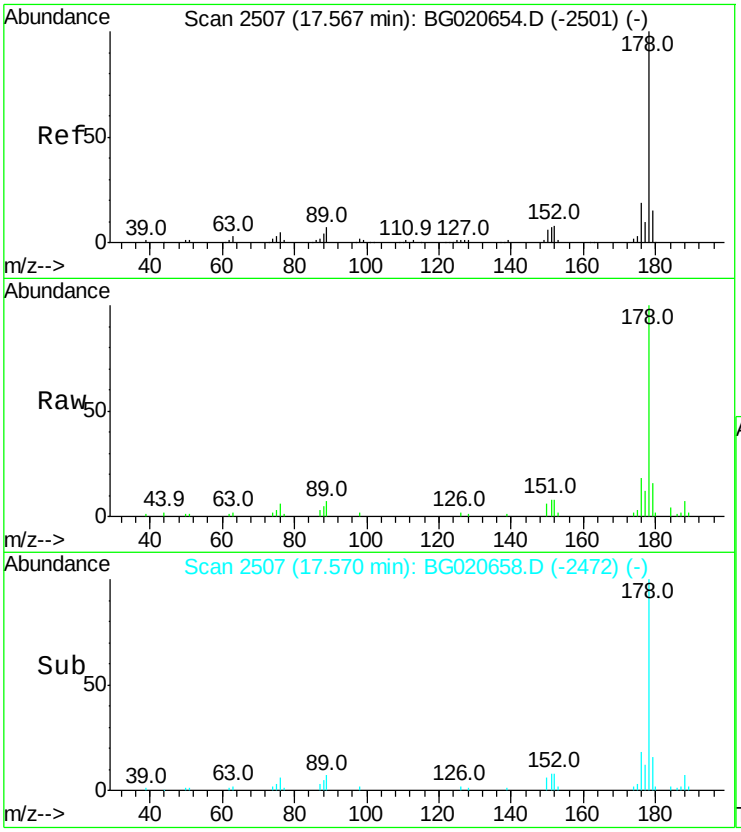


#70
Phenanthrene
Concen: 76.53 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:178 Resp: 575789

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	19.8	15.4	23.0



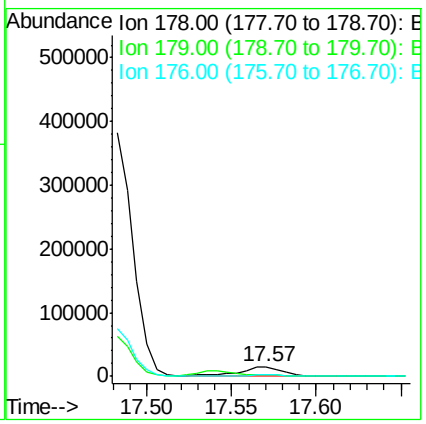


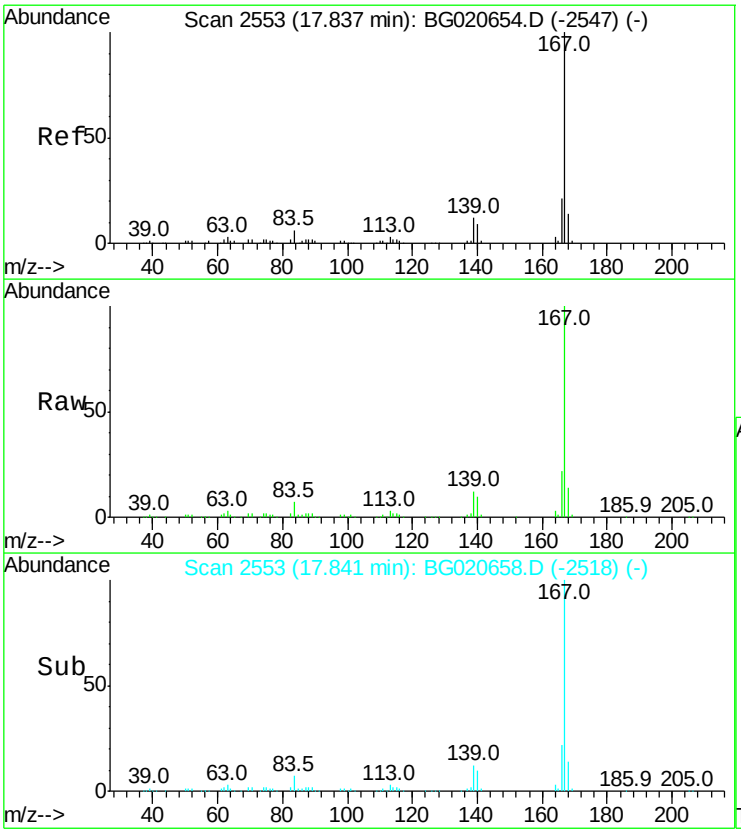
#72
Anthracene
Concen: 3.49 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:178 Resp: 26852

Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.4	20.2
176	18.2	15.4	23.0

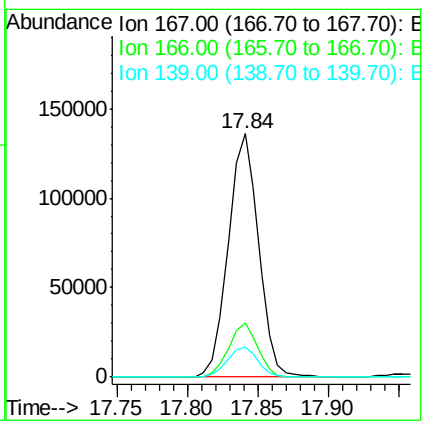


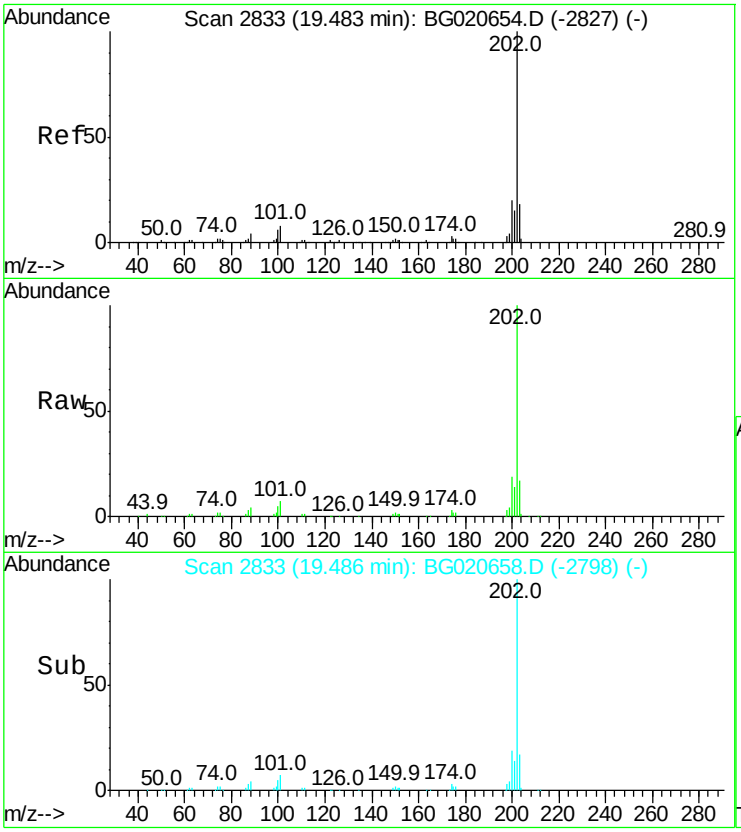


#75
Carbazole
Concen: 31.33 ng/ul
RT: 17.84 min Scan# 2553
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:167 Resp: 203434

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.4
139	12.2	9.1	13.7



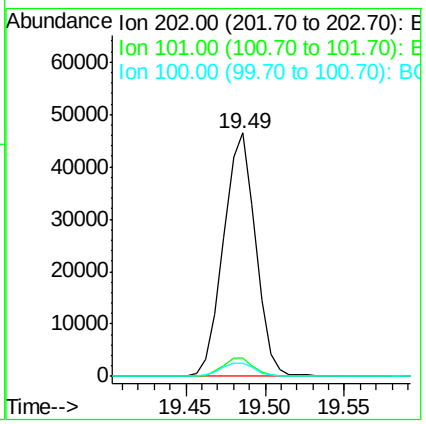


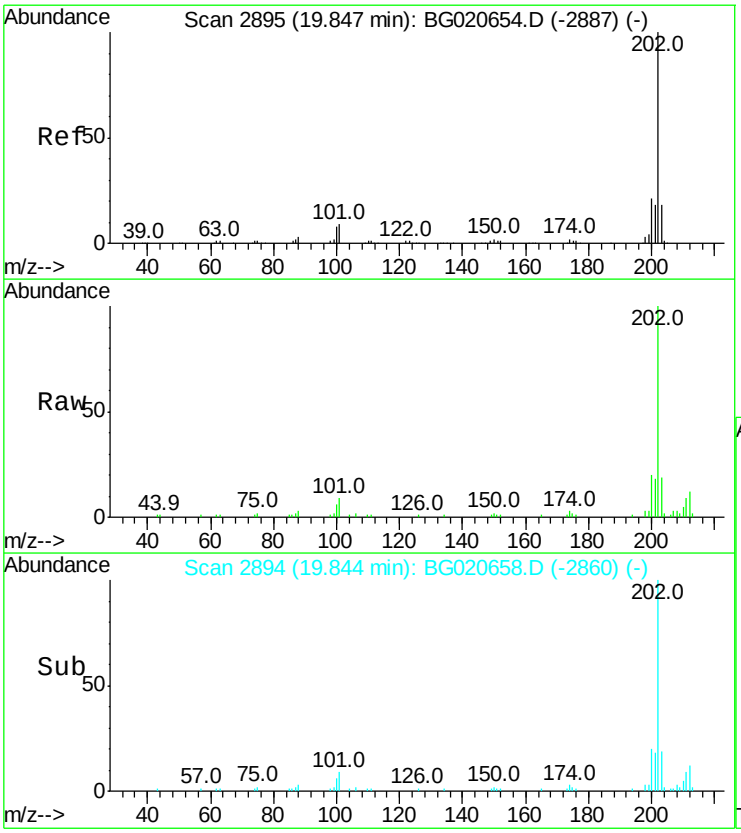
#77
Fluoranthene
Concen: 7.07 ng/ul
RT: 19.49 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Instrument :
BNA_G
ClientSampleId :
D9N65

Tgt Ion:202 Resp: 64966

Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.1	9.1
100	5.4	4.6	7.0





#80
Pyrene
Concen: 3.81 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. -0.00 min
Lab File: BG020658.D
Acq: 5 Jan 2016 17:05

Tgt Ion:202 Resp: 35376

Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.9	10.3
100	5.9	5.6	8.4