Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
Data File : BG020642.D
Acq On : 31 Dec 2015 15:17
Operator : UM/SJ
Sample : G4846-17DL 50X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63DL

Manual Integrations APPROVED
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1/4/2016 5:35:21 PM

Quant Time: Jan 02 02:07:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	18693	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	87035	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	67775	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	182109	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	219030	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	209291	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.39	67	1050	1.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	1020	0.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	585m	0.43	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	559	0.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	699	0.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	1278	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	8000	1.44	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	9487	1.51	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	8438	1.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	317	0.29	ng/ul	0.00
71) Anthracene-d10	17.54	188	14081m	1.66	ng/ul	0.00
79) Pyrene-d10	19.82	212	15582	1.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	15889	1.52	ng/ul	-0.01
Target Compounds						Qvalue
28) Naphthalene	10.93	128	127993	27.77	ng/ul	99
34) 2-Methylnaphthalene	12.53	142	24200	7.02	ng/ul	97
41) 1,1'-Biphenyl	13.53	154	8207	1.61	ng/ul	99
50) Acenaphthene	14.76	153	46550	10.25	ng/ul	97
54) Dibenzofuran	15.09	168	36564	5.33	ng/ul	98
59) Fluorene	15.74	166	33635	6.09	ng/ul	99
70) Phenanthrene	17.49	178	94265	9.52	ng/ul	99
75) Carbazole	17.84	167	31417	3.68	ng/ul	98

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

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Instrument :
BNA_G
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Manual Integrations APPROVED
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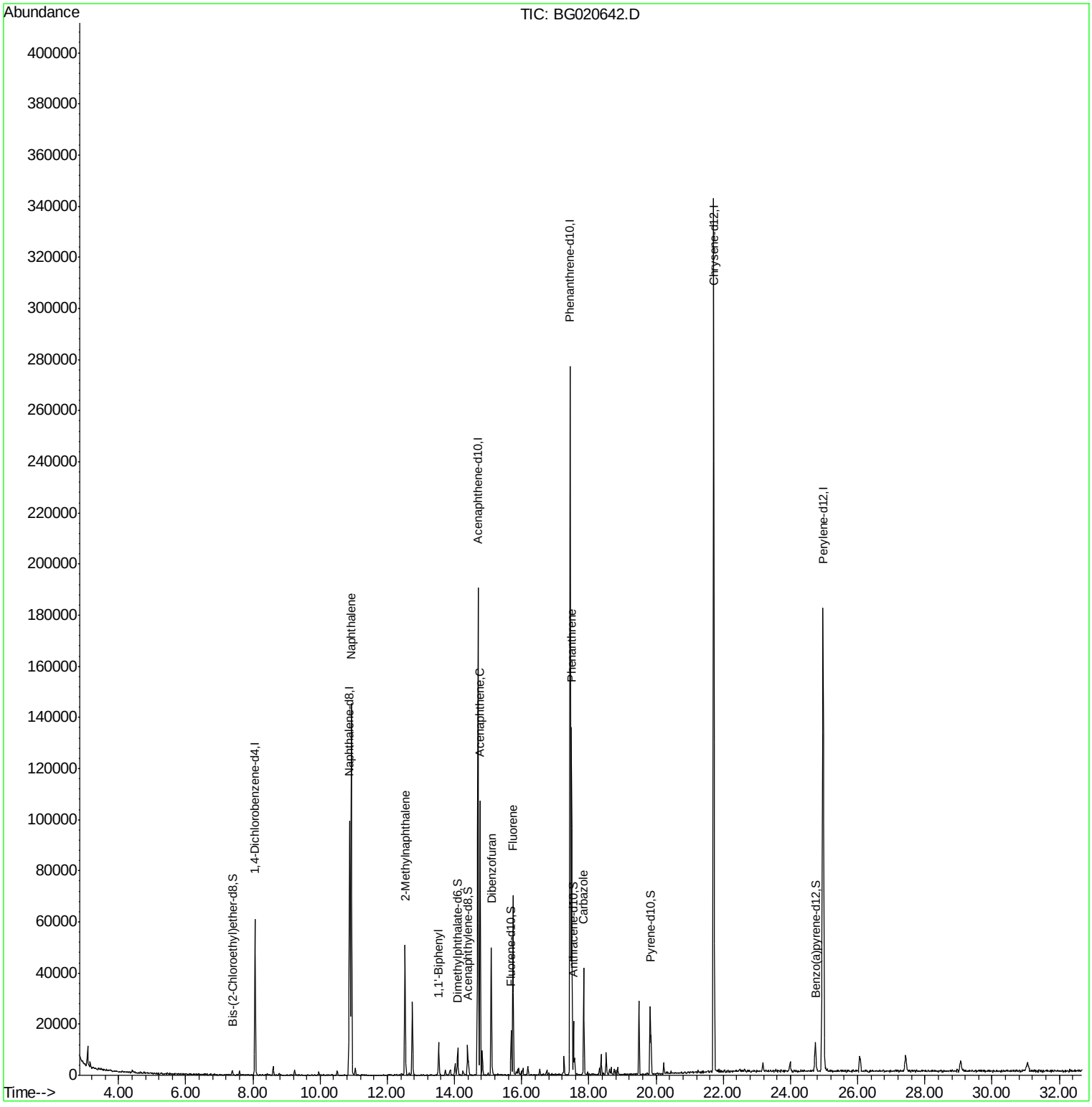
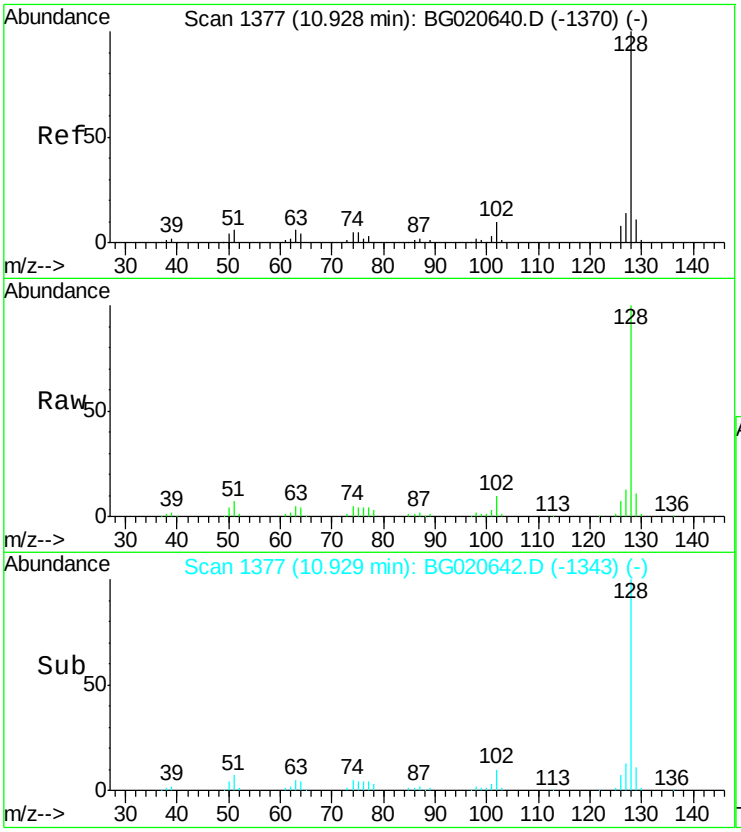
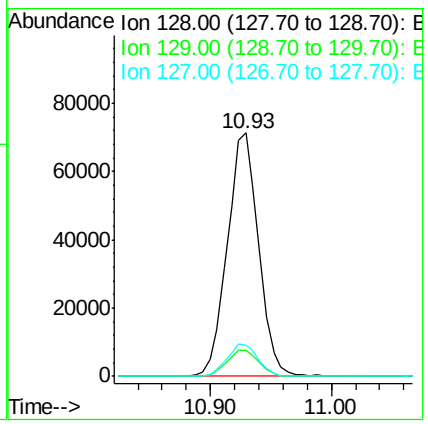




#28
Naphthalene
Concen: 27.77 ng/ul
RT: 10.93 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:128 Resp: 127993

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.3	12.5
127	12.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
D9N63DL

Manual Integrations APPROVED
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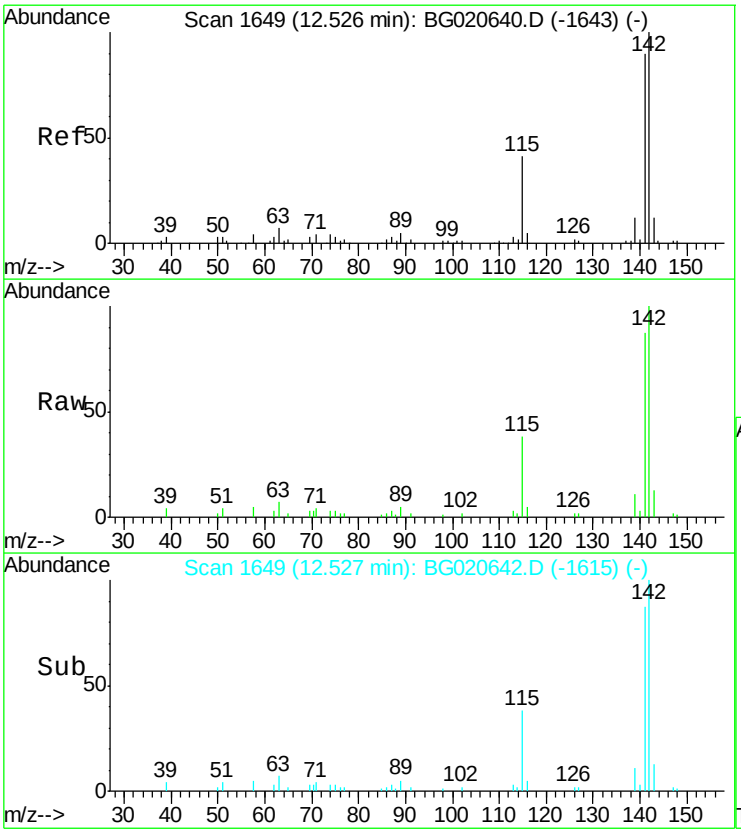
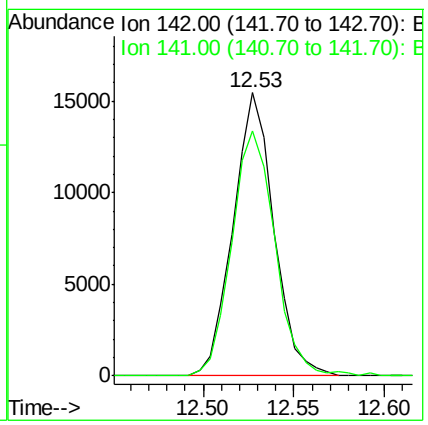
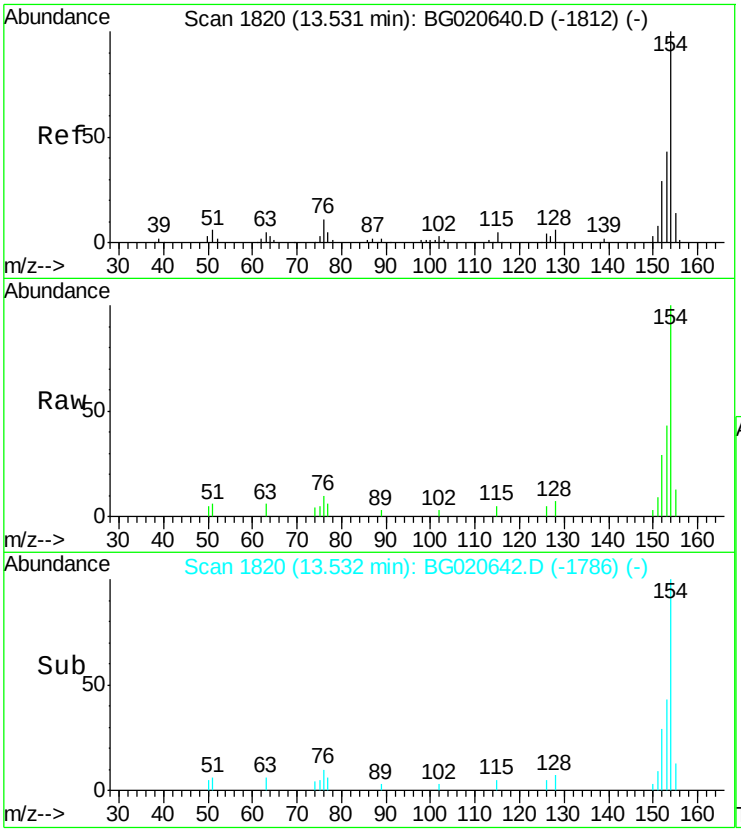


#34
2-Methylnaphthalene
Concen: 7.02 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:142 Resp: 24200

Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.4	107.2

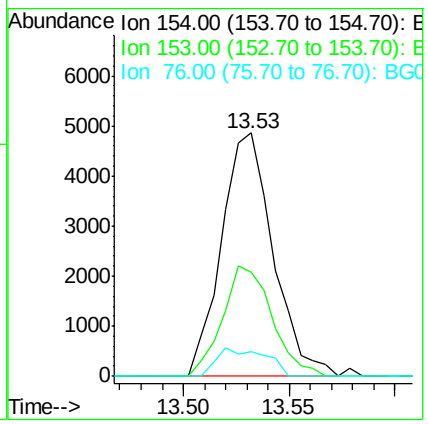




#41
1,1'-Biphenyl
Concen: 1.61 ng/ul
RT: 13.53 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:154 Resp: 8207

Ion	Ratio	Lower	Upper
154	100		
153	42.8	34.0	51.0
76	10.2	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
D9N63DL

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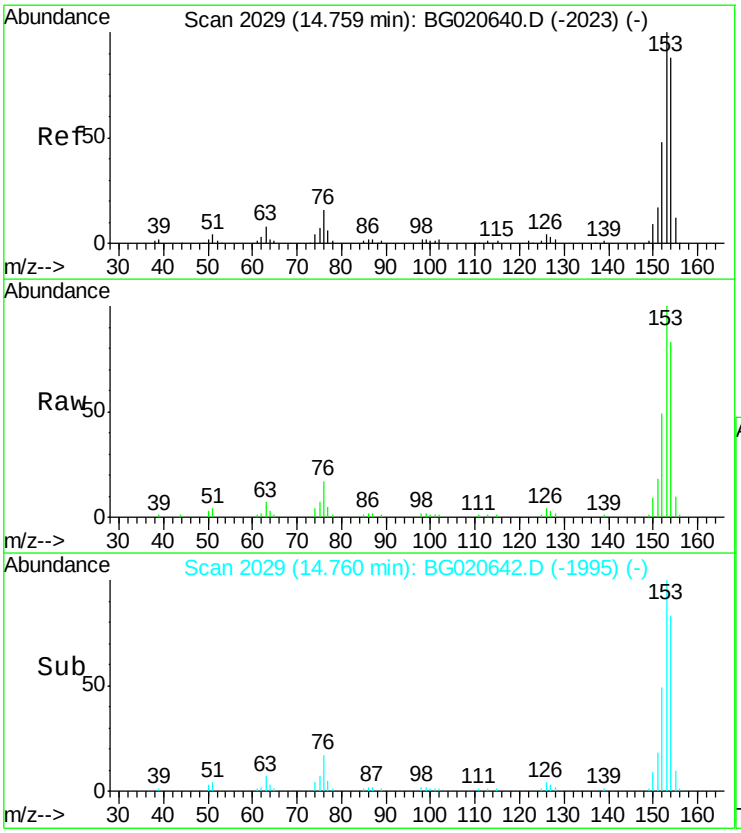
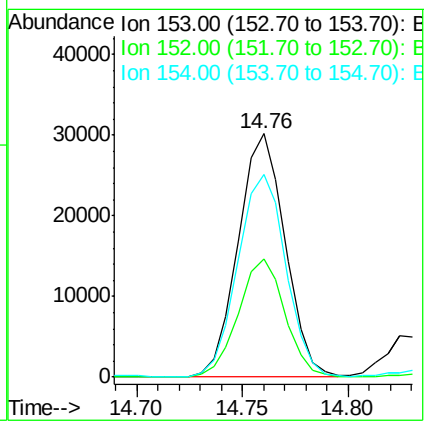
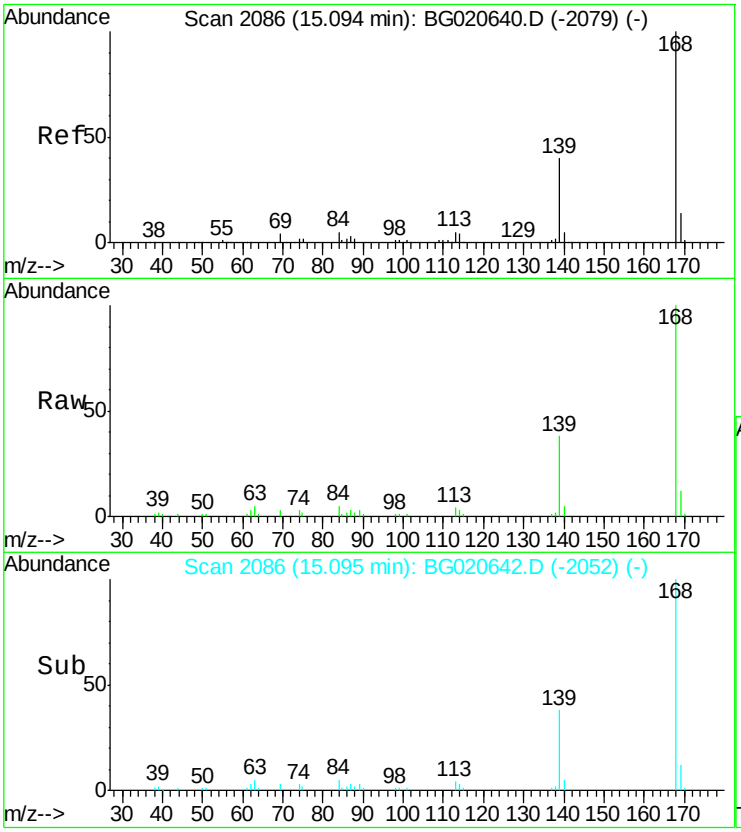


#50
Acenaphthene
Concen: 10.25 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:153 Resp: 46550

Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.9	56.9
154	83.3	69.8	104.6





#54
Dibenzofuran
Concen: 5.33 ng/ul
RT: 15.09 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:168 Resp: 36564

Ion	Ratio	Lower	Upper
168	100		
139	37.8	31.0	46.4

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Manual Integrations APPROVED
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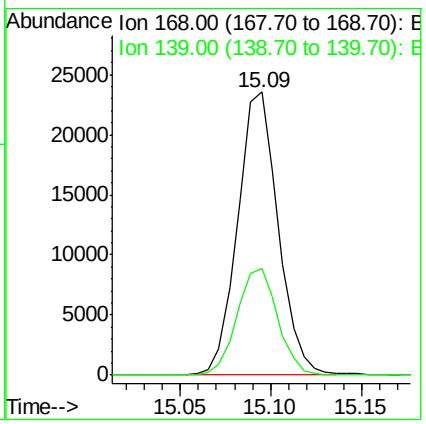
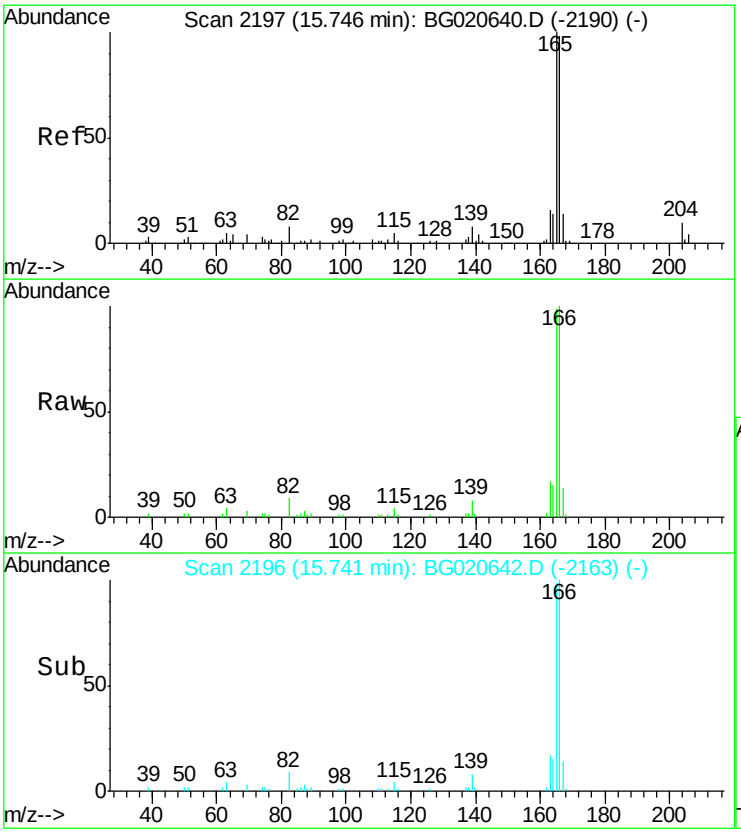
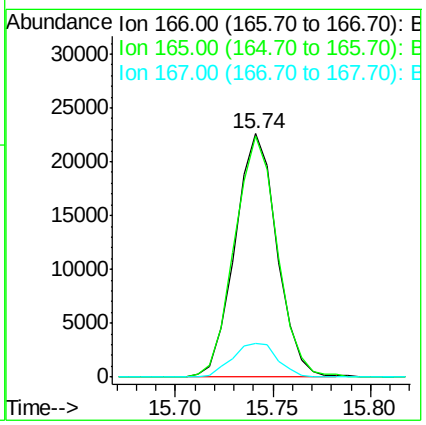


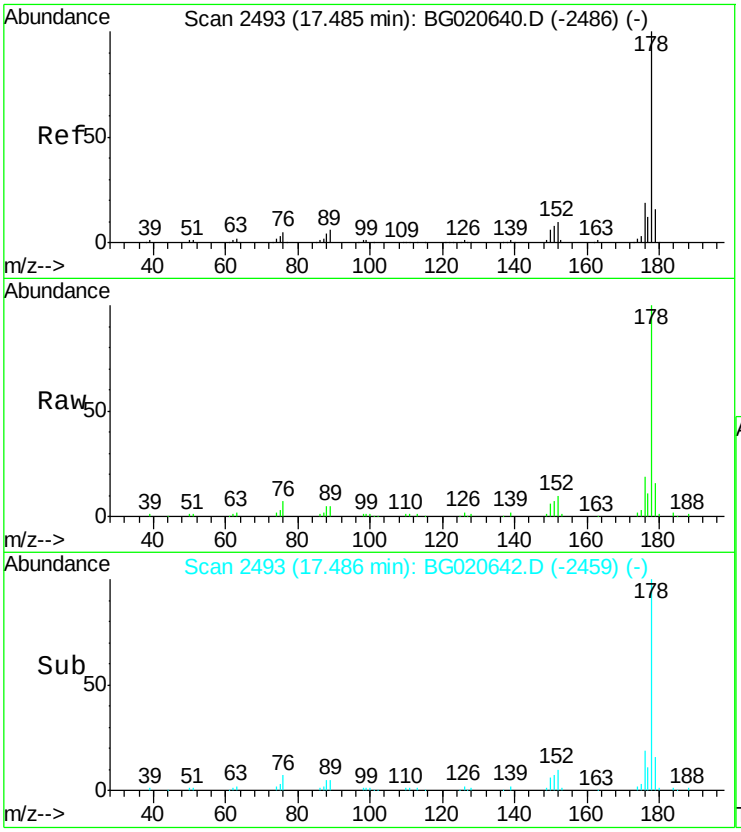


#59
Fluorene
Concen: 6.09 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:166 Resp: 33635

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.4	117.6
167	14.0	11.1	16.7

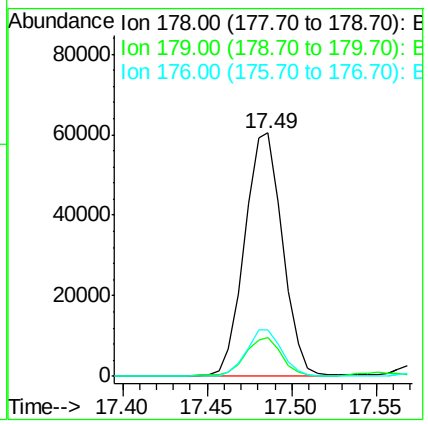




#70
Phenanthrene
Concen: 9.52 ng/ul
RT: 17.49 min Scan# 2493
Delta R.T. 0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:178 Resp: 94265

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.1	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
D9N63DL

Manual Integrations APPROVED
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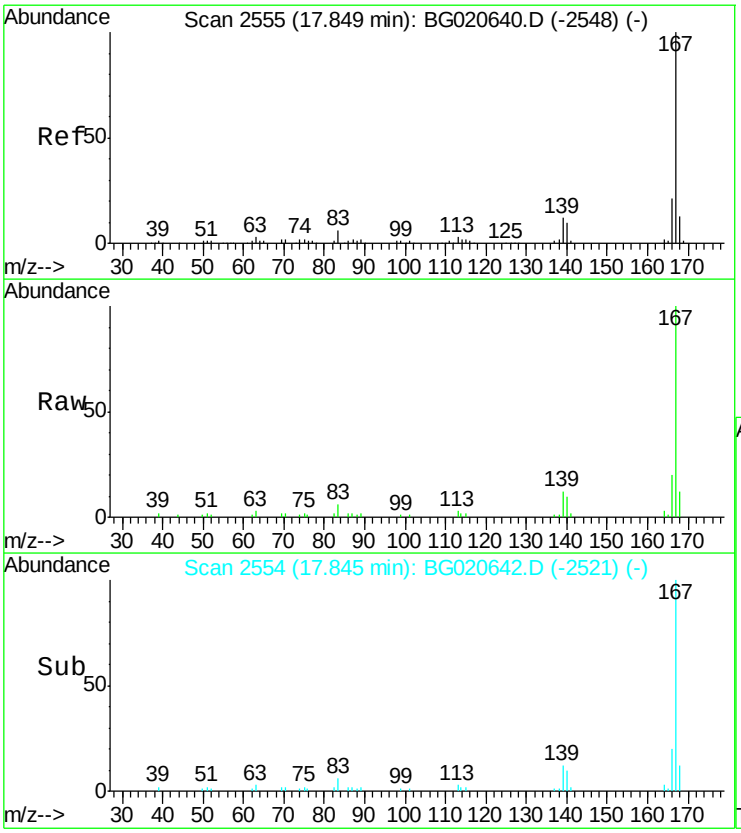
1/4/2016 5:35:21 PM



#75
Carbazole
Concen: 3.68 ng/ul
RT: 17.84 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BG020642.D
Acq: 31 Dec 2015 15:17

Tgt Ion:167 Resp: 31417

Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.0	25.4
139	12.0	9.1	13.7