Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020293.D
Acq On : 19 Dec 2015 2:54
Operator : UM/SJ
Sample : G4768-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N37

Manual Integrations APPROVED
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12/22/2015 12:36:20 PM

Quant Time: Dec 19 05:43:02 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21000	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	90845	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.73	164	58767	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	135516	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	181481	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	167844	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	405	1.06	ng/uL	0.00
5) Phenol-d5	7.24	99	12579	6.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	34983	31.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	36483	27.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	23815	15.04	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	23870	33.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	27877	35.38	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	46223	28.96	ng/ul	0.02
29) 4-Chloroaniline-d4	11.07	131	7320	4.08	ng/ul	0.03
44) Dimethylphthalate-d6	14.14	166	159480	33.55	ng/ul	0.01
47) Acenaphthylene-d8	14.42	160	188032	34.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	7148	8.38	ng/ul	0.00
58) Fluorene-d10	15.72	176	143216	33.22	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.84	200	22822	28.41	ng/ul	0.01
71) Anthracene-d10	17.58	188	224880	36.01	ng/ul	0.01
79) Pyrene-d10	19.85	212	268219	31.71	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	317938	37.98	ng/ul	0.00
Target Compounds						Qvalue
11) 2-Methylphenol	8.53	108	2932	1.94	ng/ul	96
14) Acetophenone	8.92	105	8572	3.46	ng/ul#	89
16) 4-Methylphenol	8.86	108	4079	2.44	ng/ul	95
24) 2,4-Dimethylphenol	10.08	107	48677m	25.37	ng/ul	
28) Naphthalene	11.06	128	10280102	2166.93	ng/ul#	38
34) 2-Methylnaphthalene	12.58	142	1976303	545.38	ng/ul	100
35) 1-Methylnaphthalene	12.80	142	1194900	342.99	ng/ul#	96
41) 1,1'-Biphenyl	13.57	154	689826	155.59	ng/ul	98
48) Acenaphthylene	14.45	152	469313	79.88	ng/ul	97
50) Acenaphthene	14.82	153	2304684	582.99	ng/ul#	90
54) Dibenzofuran	15.14	168	1979768	336.65	ng/ul#	87
59) Fluorene	15.79	166	1448269	306.68	ng/ul#	98
70) Phenanthrene	17.53	178	2352040	317.31	ng/ul#	82
72) Anthracene	17.61	178	257813m	34.29	ng/ul	
75) Carbazole	17.91	167	2814158	445.48	ng/ul#	82
77) Fluoranthene	19.52	202	438327	50.60	ng/ul	99
80) Pyrene	19.88	202	258684	23.55	ng/ul	97
83) Benzo(a)anthracene	21.72	228	11297	1.07	ng/ul	96

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

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QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N37

Manual Integrations APPROVED
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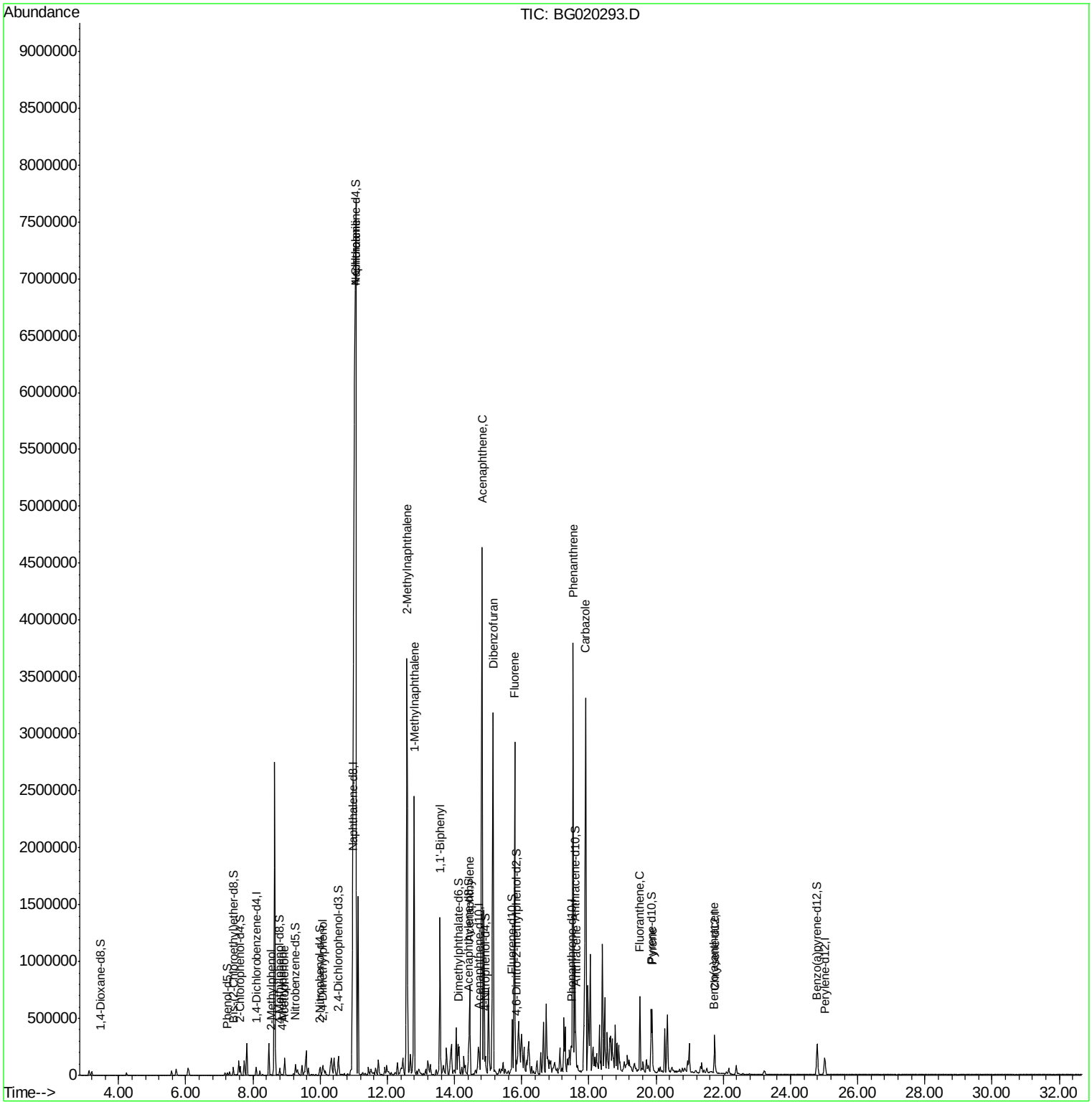

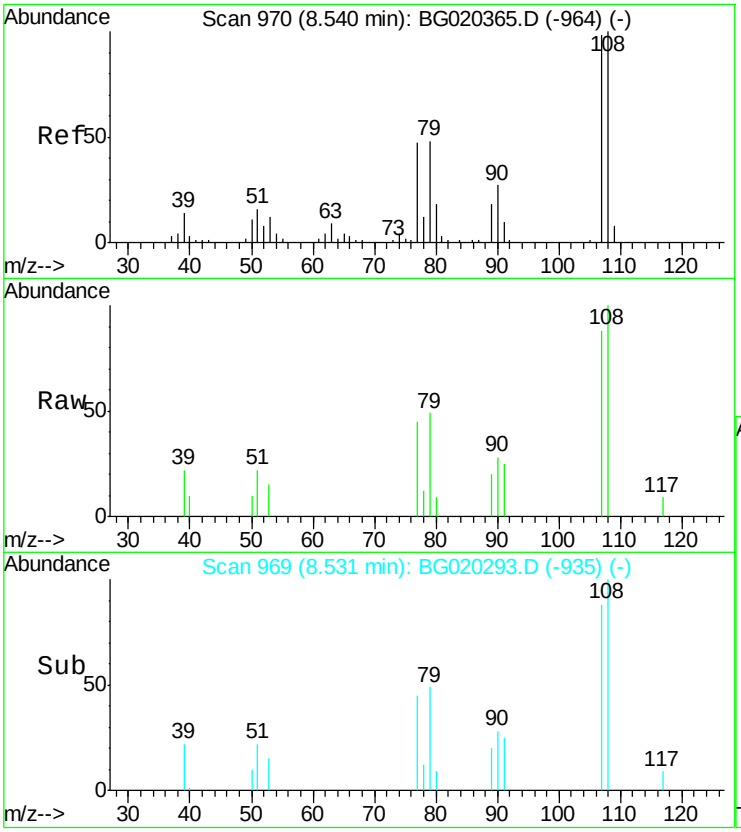

#11
2-Methylphenol
Concen: 1.94 ng/ul
RT: 8.53 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:108 Resp: 2932

Ion	Ratio	Lower	Upper
108	100		
107	87.7	67.5	101.3

Instrument :
BNA_G
ClientSampleId :
D9N37

Manual Integrations APPROVED
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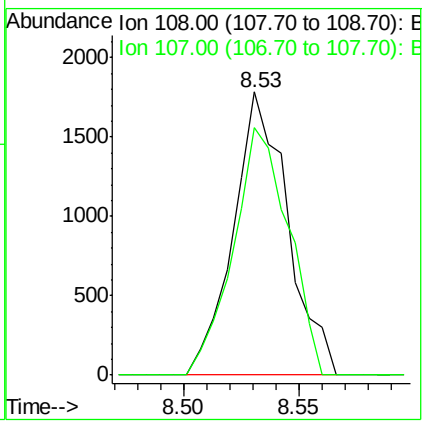
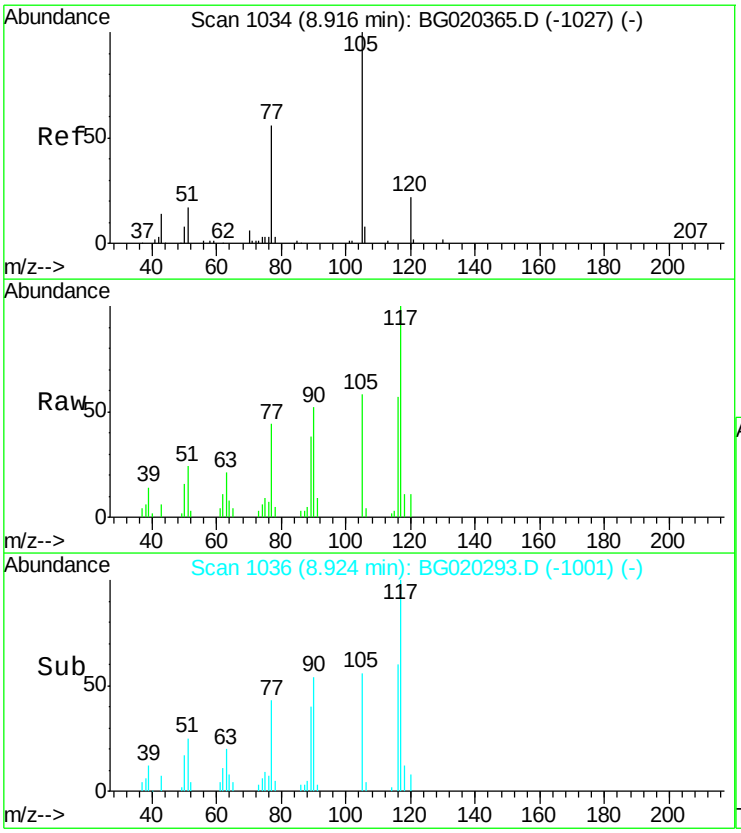
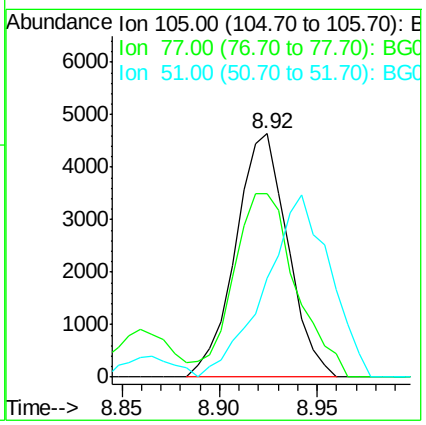


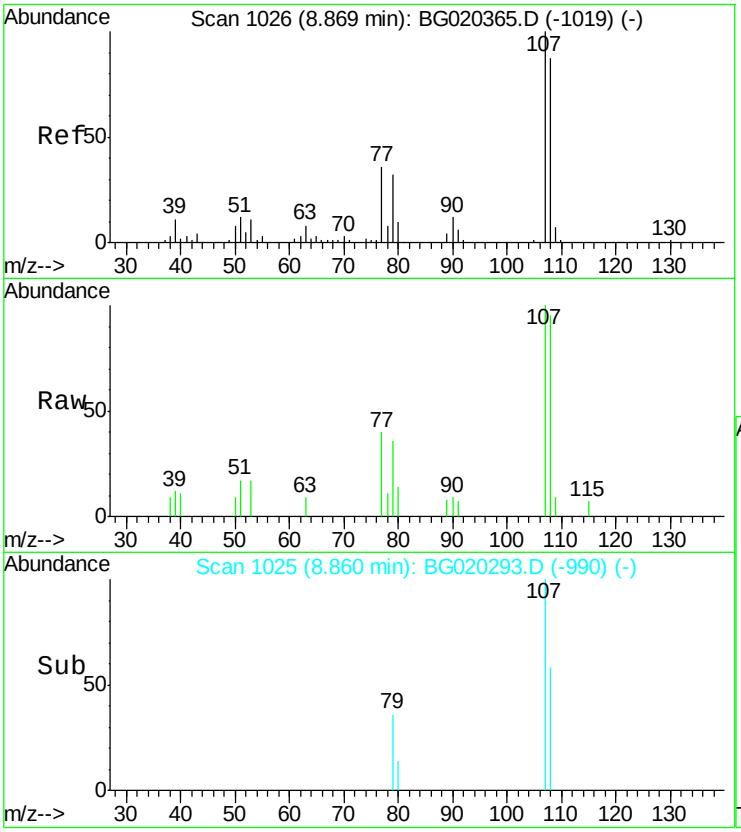


#14
Acetophenone
Concen: 3.46 ng/ul
RT: 8.92 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:105 Resp: 8572

Ion	Ratio	Lower	Upper
105	100		
77	75.5	65.2	97.8
51	40.7	22.6	33.8#

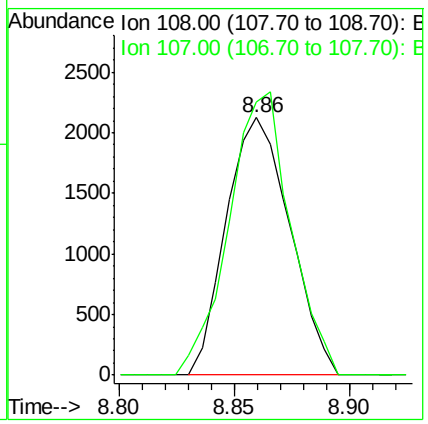




#16
4-Methylphenol
Concen: 2.44 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:108 Resp: 4079

Ion	Ratio	Lower	Upper
108	100		
107	105.7	88.9	133.3



Instrument :
BNA_G
ClientSampleId :
D9N37

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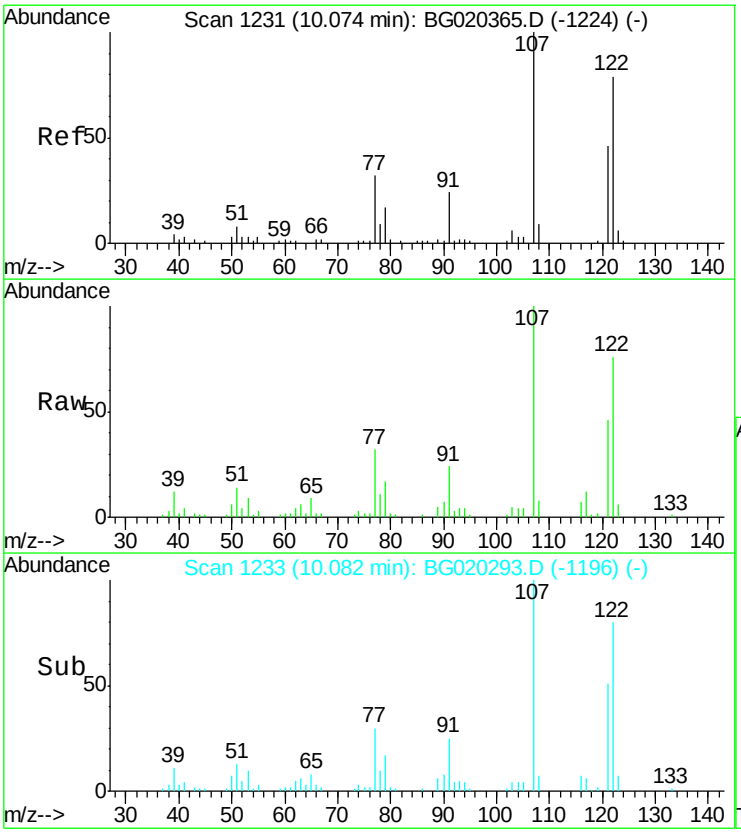
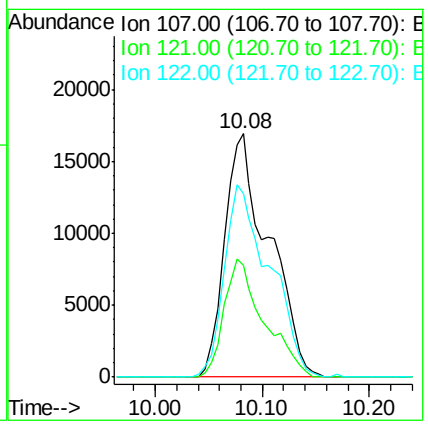
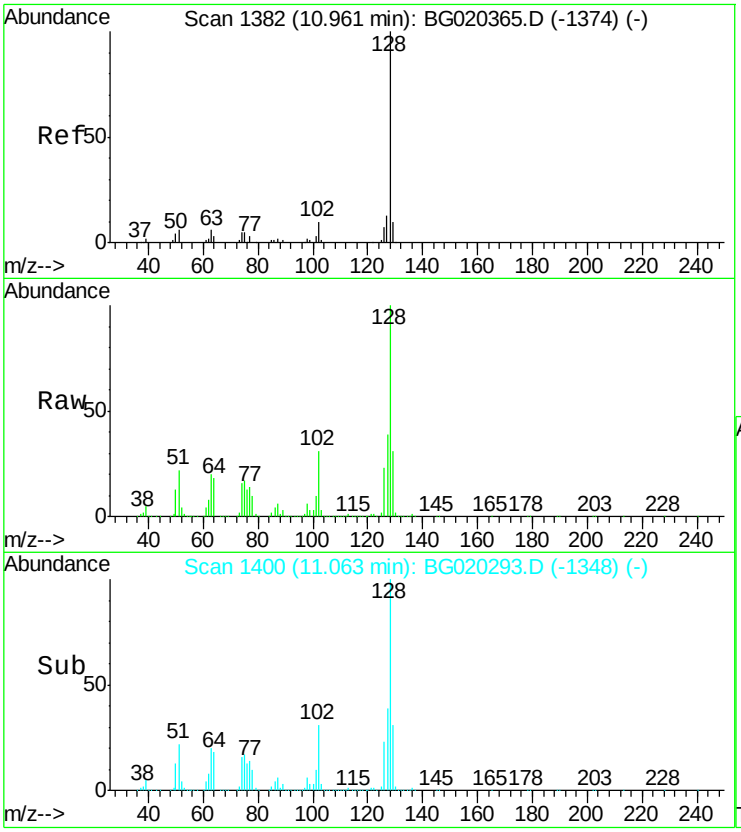


#24
2,4-Dimethylphenol
Concen: 25.37 ng/ul m
RT: 10.08 min Scan# 1233
Delta R.T. 0.02 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:107 Resp: 48677

Ion	Ratio	Lower	Upper
107	100		
121	46.1	39.0	58.4
122	75.6	62.1	93.1

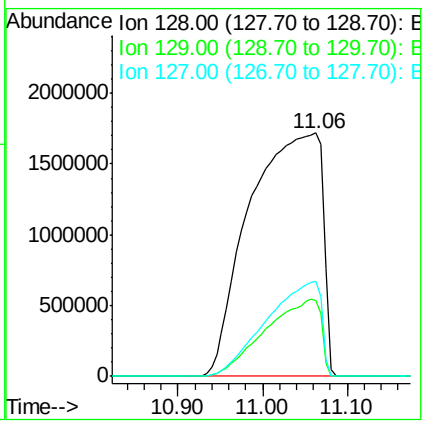




#28
Naphthalene
Concen: 2166.93 ng/ul
RT: 11.06 min Scan# 1400
Delta R.T. 0.10 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:128 Resp:10280102

Ion	Ratio	Lower	Upper
128	100		
129	31.2	8.6	12.8#
127	39.3	10.1	15.1#



Instrument :
BNA_G
ClientSampleId :
D9N37

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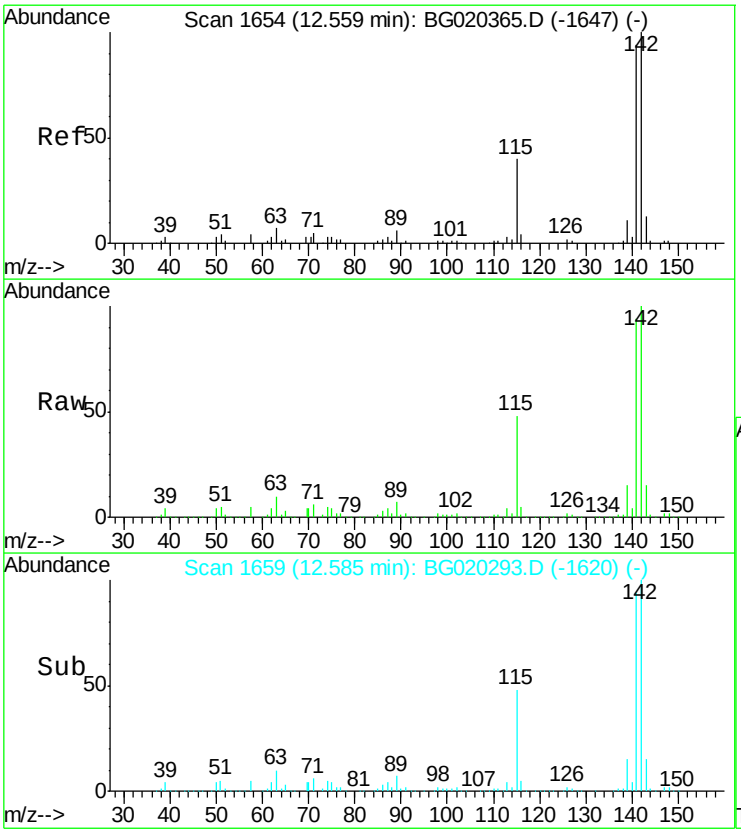
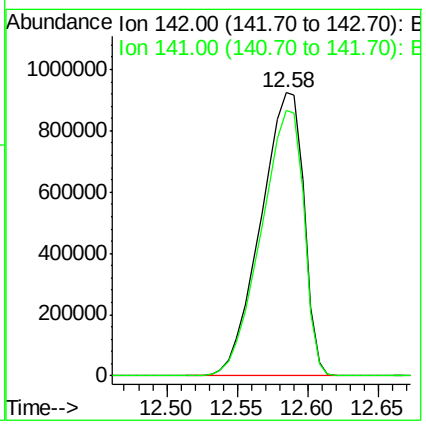
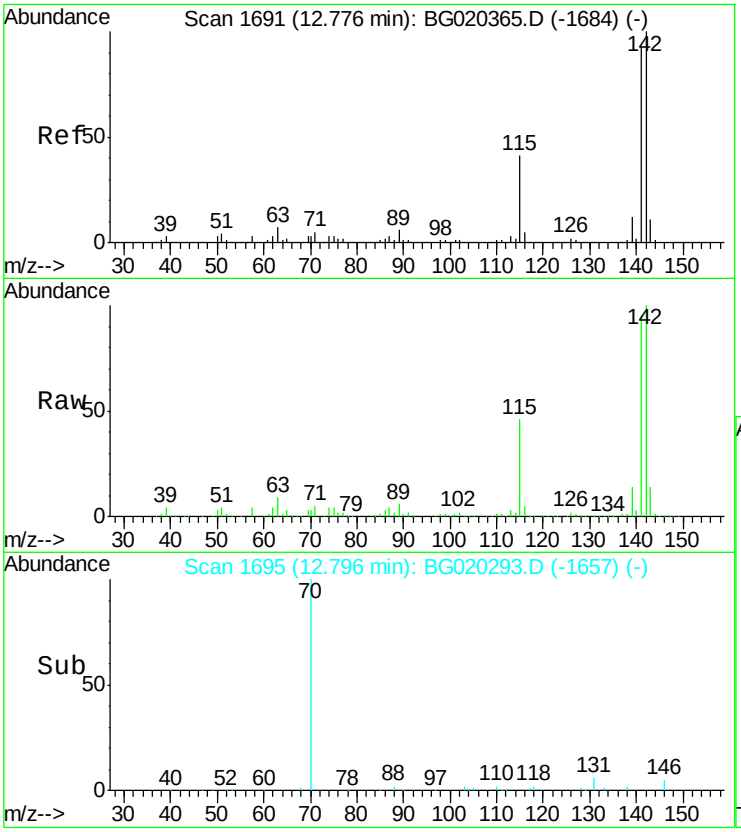


#34
2-Methylnaphthalene
Concen: 545.38 ng/ul
RT: 12.58 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:142 Resp: 1976303

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.9	112.3

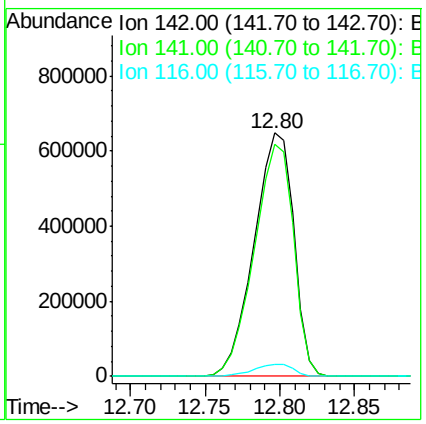




#35
1-Methylnaphthalene
Concen: 342.99 ng/ul
RT: 12.80 min Scan# 1695
Delta R.T. 0.02 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:142 Resp: 1194900

Ion	Ratio	Lower	Upper
142	100		
141	95.2	73.0	109.6
116	5.0	3.0	4.6#



Instrument :
BNA_G
ClientSampleId :
D9N37

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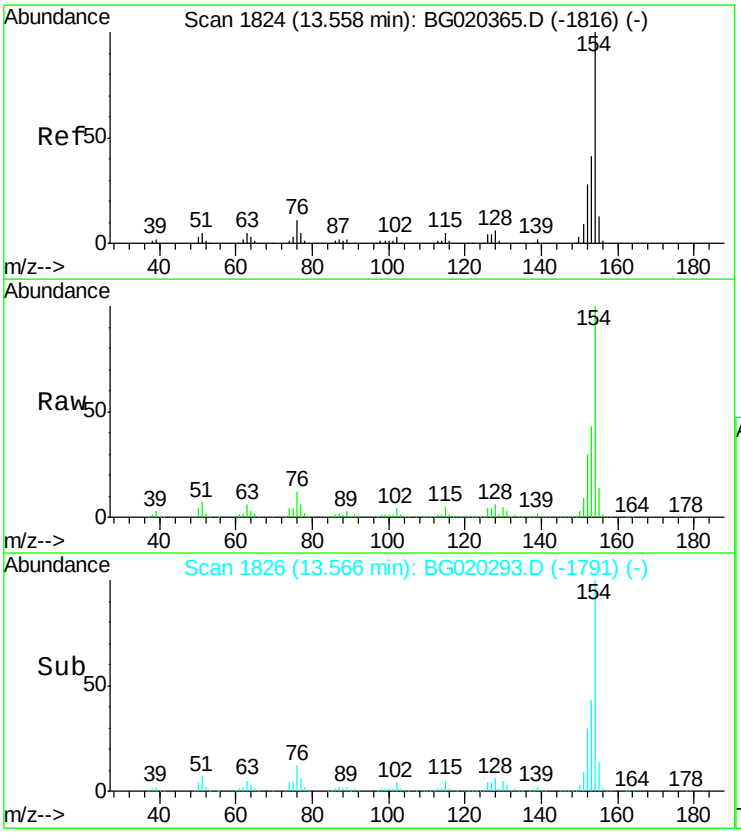
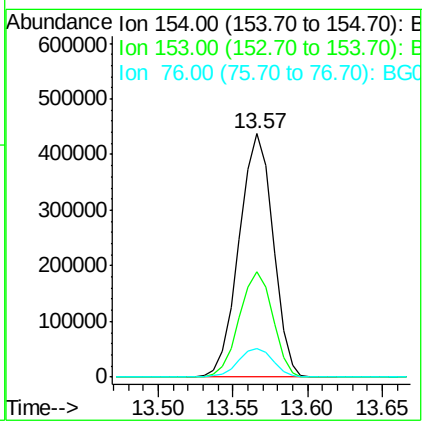
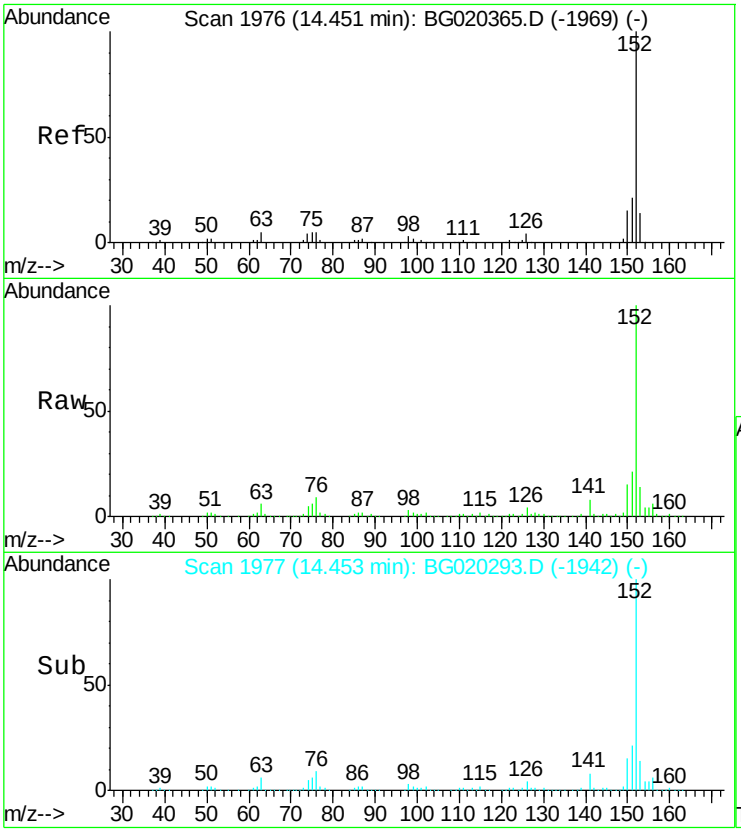


#41
1,1'-Biphenyl
Concen: 155.59 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:154 Resp: 689826

Ion	Ratio	Lower	Upper
154	100		
153	43.1	35.5	53.3
76	11.9	10.4	15.6

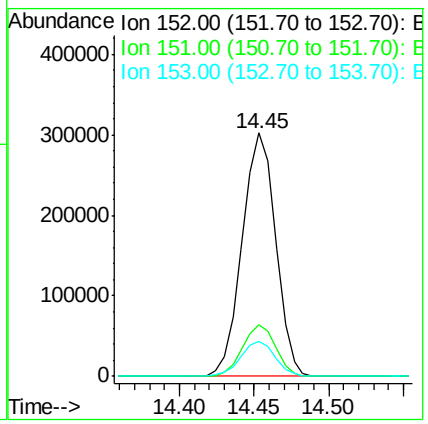




#48
Acenaphthylene
Concen: 79.88 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:152 Resp: 469313

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.4	24.6
153	14.4	10.4	15.6



Instrument :
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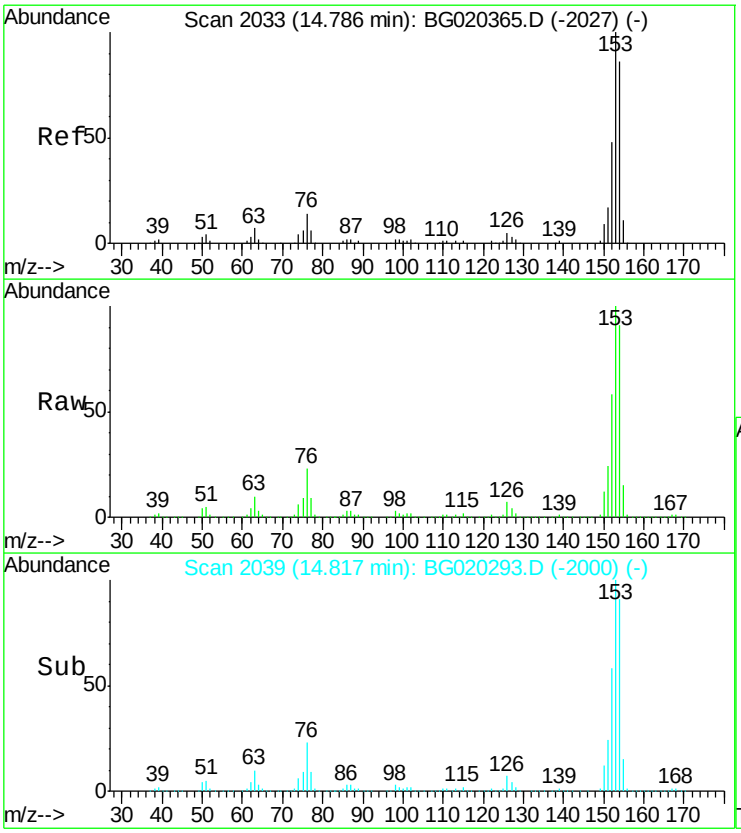
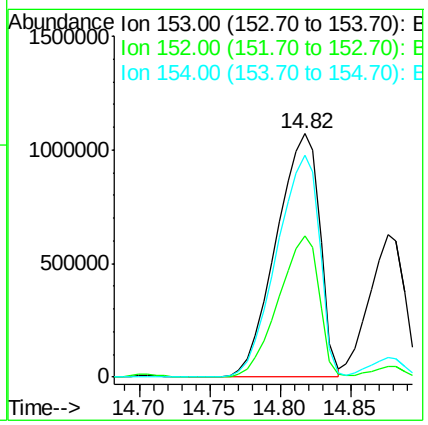
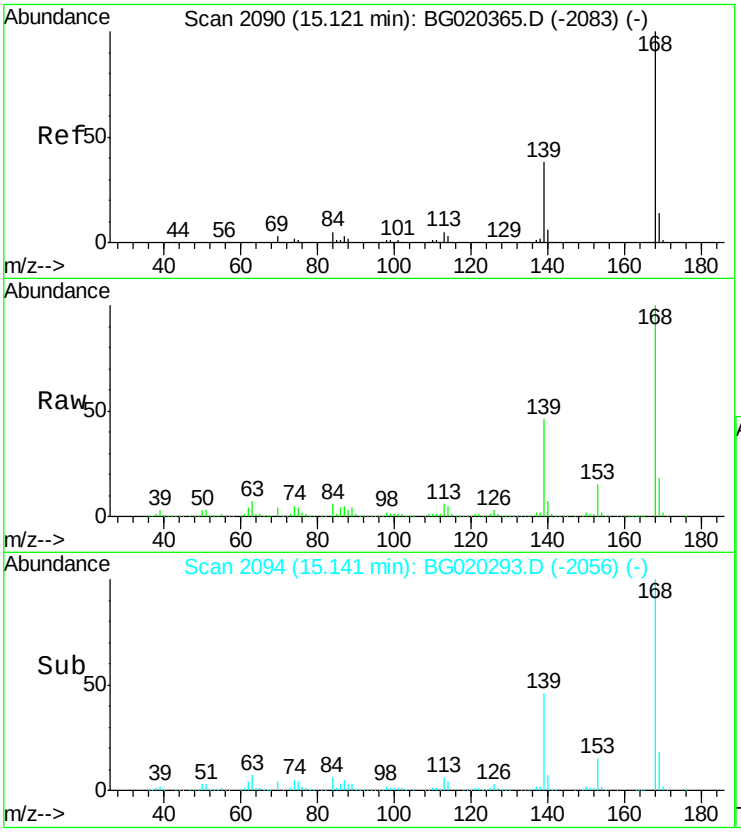


#50
Acenaphthene
Concen: 582.99 ng/ul
RT: 14.82 min Scan# 2039
Delta R.T. 0.03 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:153 Resp: 2304684

Ion	Ratio	Lower	Upper
153	100		
152	58.2	37.6	56.4#
154	90.9	67.9	101.9





#54
Dibenzofuran
Concen: 336.65 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:168 Resp: 1979768

Ion	Ratio	Lower	Upper
168	100		
139	46.0	30.5	45.7#

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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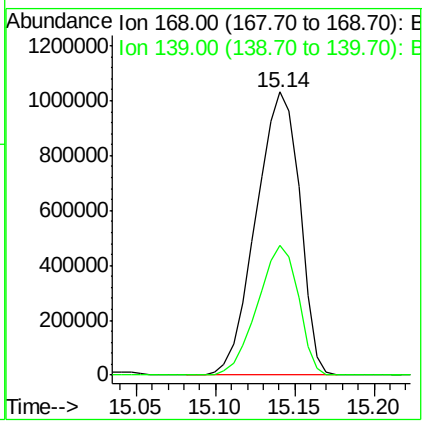
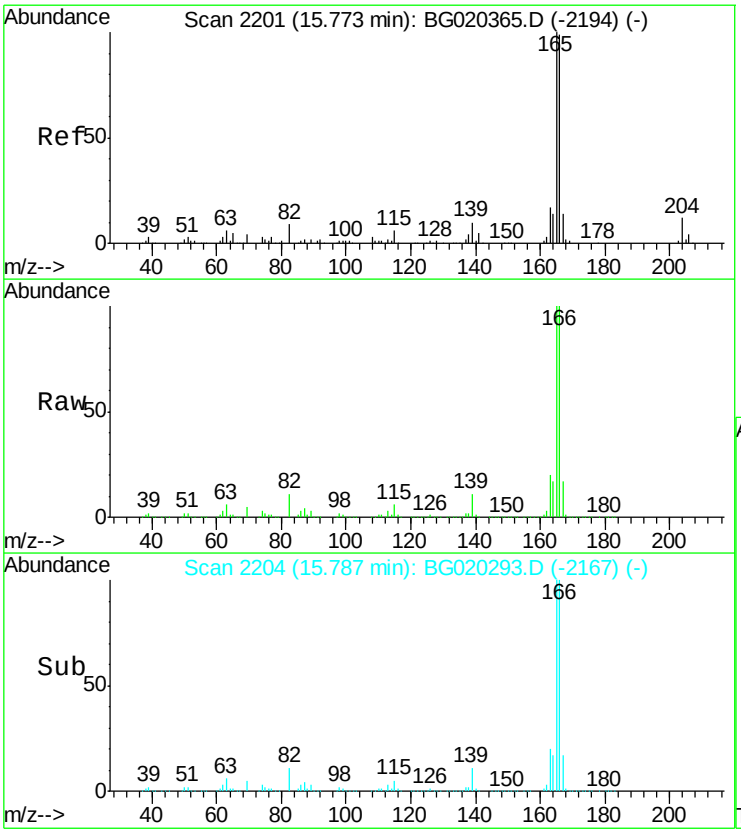
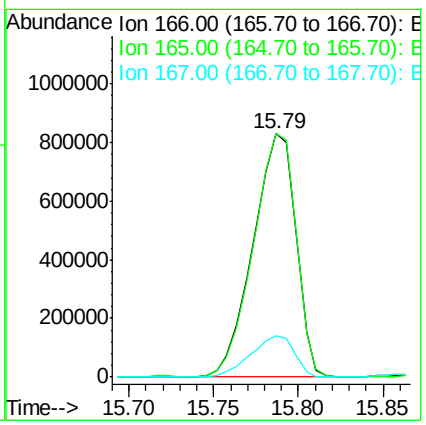


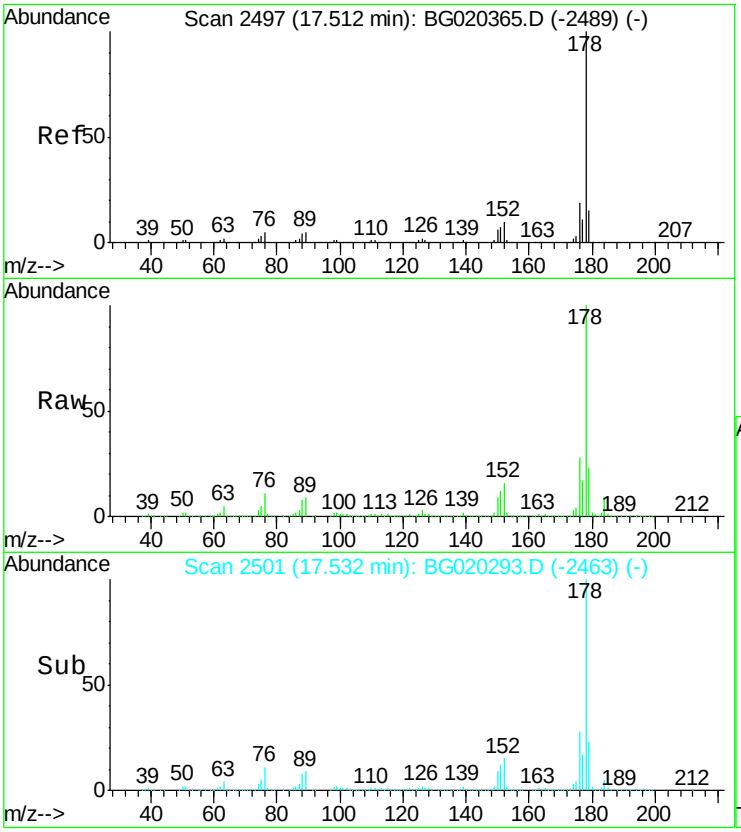


#59
Fluorene
Concen: 306.68 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:166 Resp: 1448269

Ion	Ratio	Lower	Upper
166	100		
165	100.2	81.4	122.0
167	17.0	11.2	16.8#

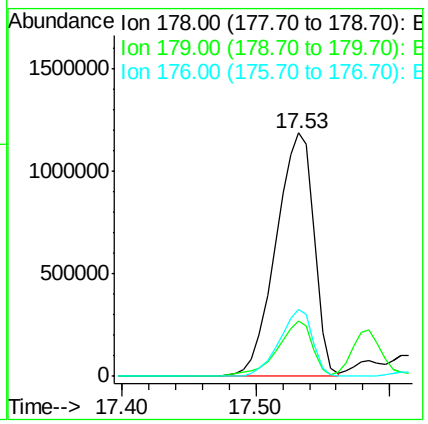




#70
Phenanthrene
Concen: 317.31 ng/ul
RT: 17.53 min Scan# 2501
Delta R.T. 0.02 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:178 Resp: 2352040

Ion	Ratio	Lower	Upper
178	100		
179	23.0	12.9	19.3#
176	27.7	15.3	22.9#



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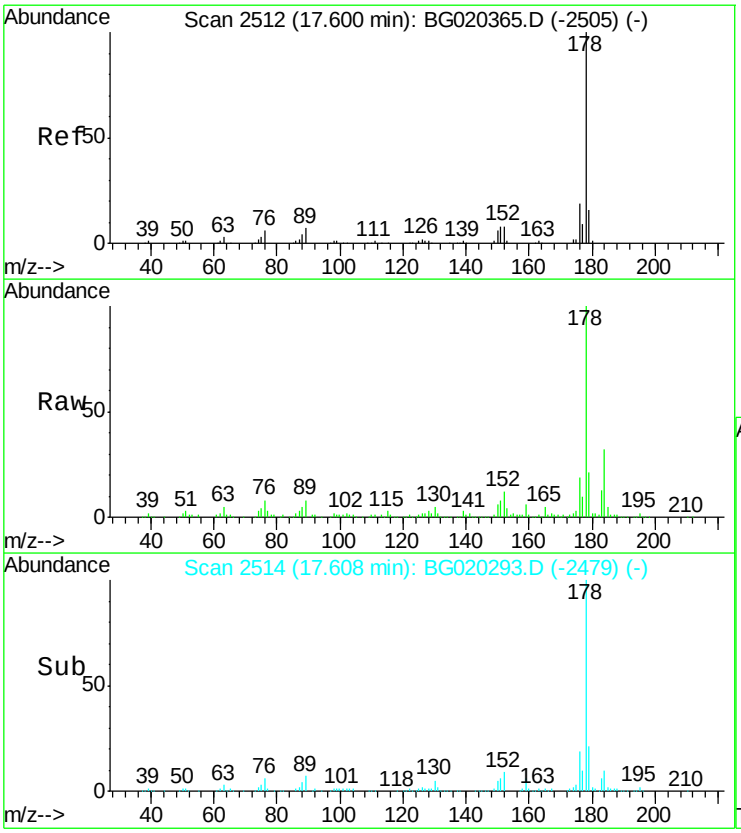
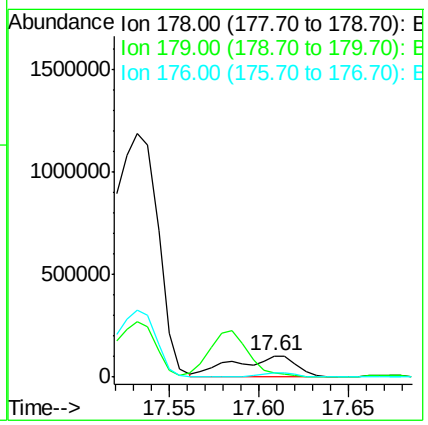
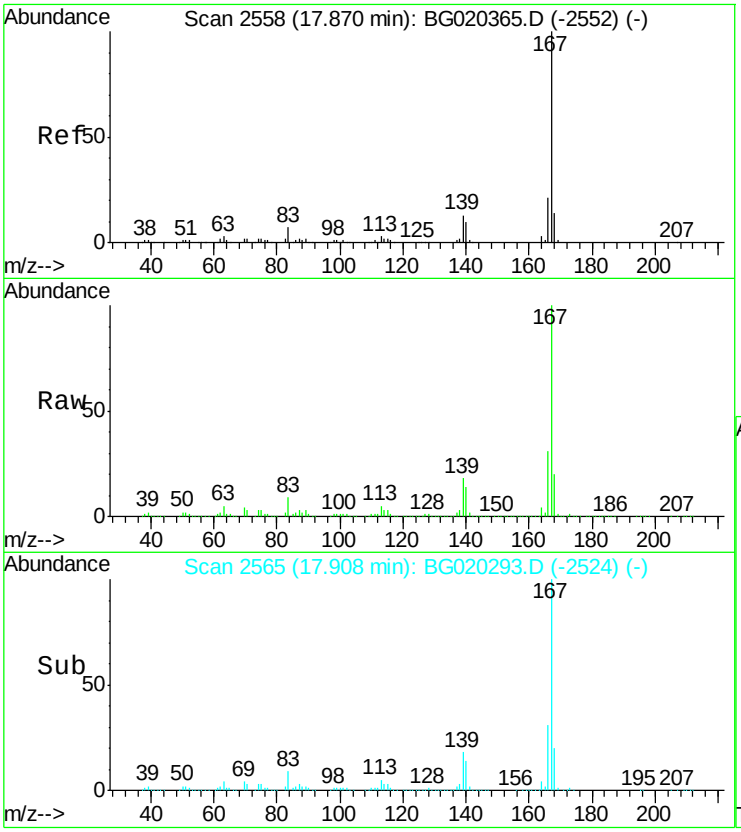


#72
Anthracene
Concen: 34.29 ng/ul m
RT: 17.61 min Scan# 2514
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:178 Resp: 257813

Ion	Ratio	Lower	Upper
178	100		
179	20.9	12.3	18.5#
176	18.6	14.3	21.5





#75
Carbazole
Concen: 445.48 ng/ul
RT: 17.91 min Scan# 2565
Delta R.T. 0.04 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:167 Resp: 2814158

Ion	Ratio	Lower	Upper
167	100		
166	30.8	17.0	25.6#
139	18.1	10.1	15.1#

Instrument :
BNA_G
ClientSampleId :
D9N37

Manual Integrations APPROVED
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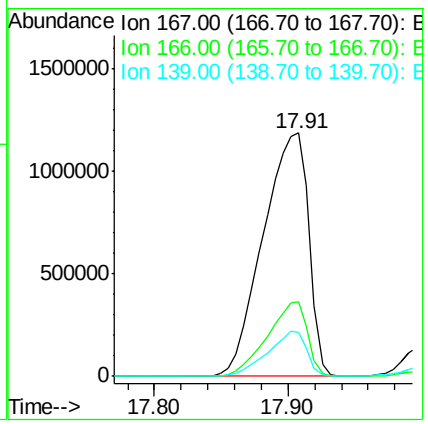
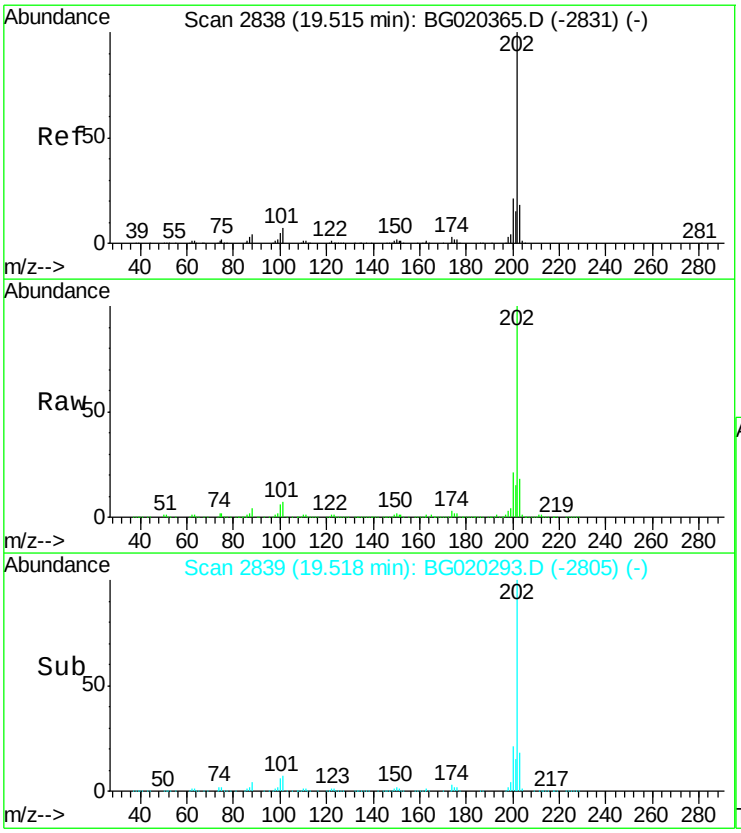
12/22/2015 12:36:20 PM

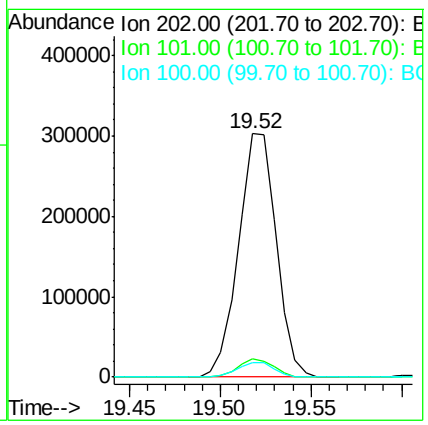


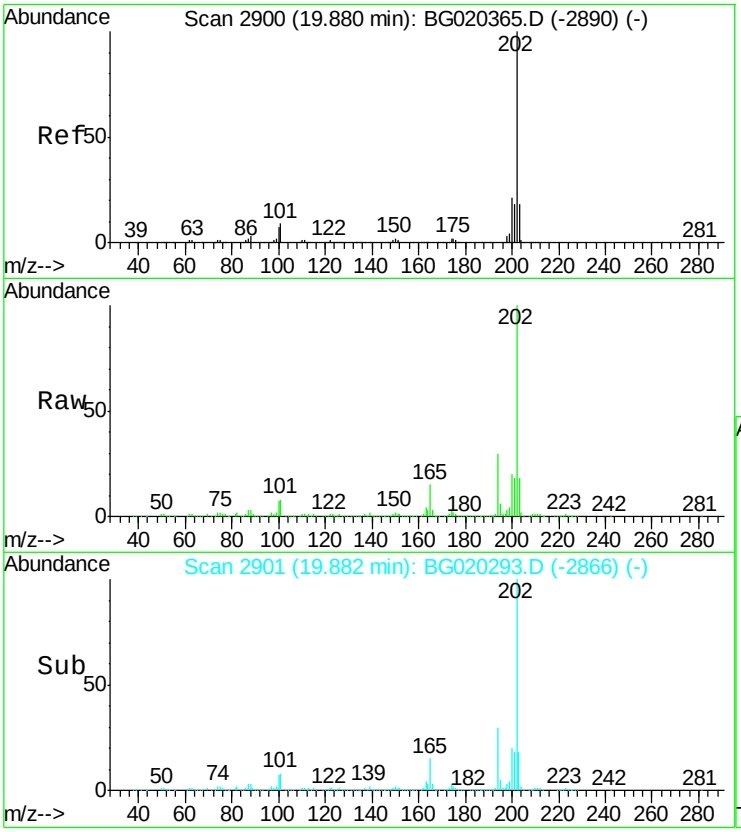


#77
Fluoranthene
Concen: 50.60 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:202 Resp: 438327

Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.2	9.4
100	6.0	5.1	7.7

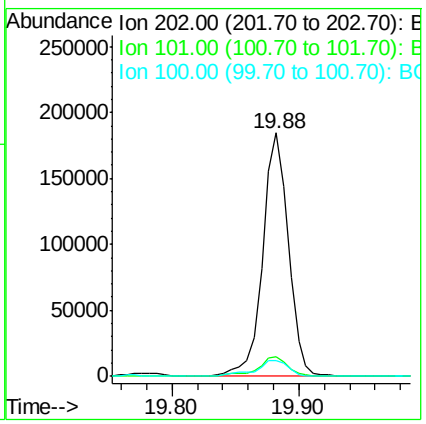




#80
Pyrene
Concen: 23.55 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

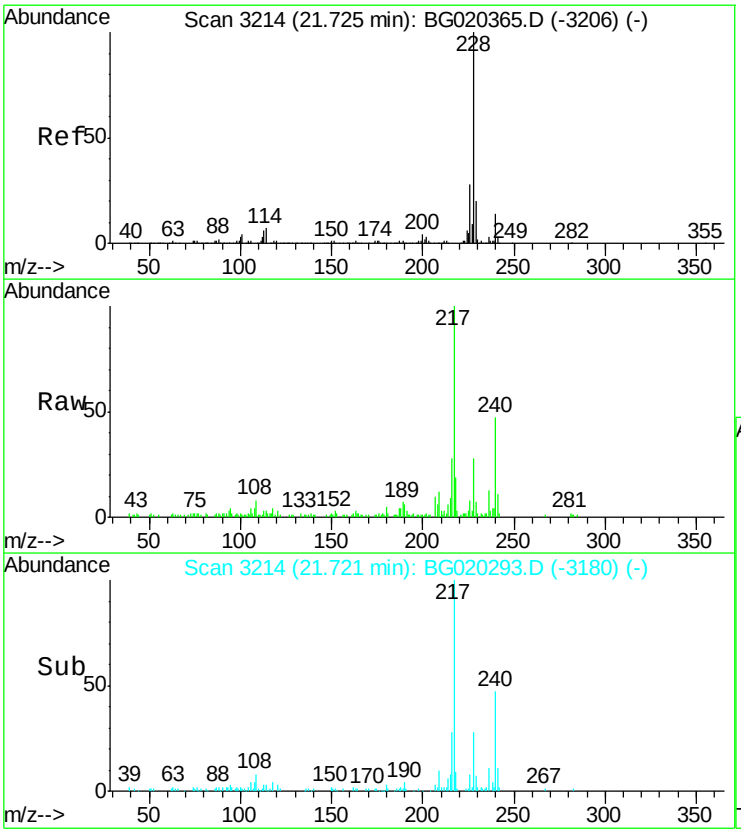
Tgt Ion:202 Resp: 258684

Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
100	6.7	6.4	9.6



Instrument :
BNA_G
ClientSampleId :
D9N37

Manual Integrations APPROVED
apatel
12/22/2015 12:36:20 PM



#83
Benzo(a)anthracene
Concen: 1.07 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020293.D
Acq: 19 Dec 2015 2:54

Tgt Ion:228 Resp: 11297

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.8	23.8
226	28.3	21.8	32.6