Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
Data File : BG020243.D
Acq On : 17 Dec 2015 5:24
Operator : UM/SJ
Sample : G4767-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 25 23:11:45 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9N44

Manual Integrations APPROVED
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12/17/2015 12:00:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	27777	20.00	ng/ul	0.00
18) Naphthalene-d8	11.02	136	110676m	20.00	ng/ul	0.11
36) Acenaphthene-d10	14.81	164	136642	20.00	ng/ul	0.08
62) Phenanthrene-d10	17.57	188	115594m	20.00	ng/ul	0.11
78) Chrysene-d12	21.83	240	200035m	20.00	ng/ul	0.08
86) Perylene-d12	25.09	264	182671m	20.00	ng/ul	0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1152	2.29	ng/uL	0.00
5) Phenol-d5	7.25	99	41410	16.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	27606	18.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	33068	18.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	35272	16.84	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	20935	24.27	ng/ul	0.02
22) 2-Nitrophenol-d4	10.01	143	19912	20.74	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.56	165	35846	18.43	ng/ul	0.04
29) 4-Chloroaniline-d4	11.14	131	62568m	28.64	ng/ul	0.09
44) Dimethylphthalate-d6	14.20	166	91799	8.31	ng/ul	0.07
47) Acenaphthylene-d8	14.45	160	117705	9.15	ng/ul	0.02
52) 4-Nitrophenol-d4	14.99	143	23196	11.70	ng/ul	0.07
58) Fluorene-d10	15.75	176	86922m	8.67	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.57	188	115673m	21.72	ng/ul	0.00
79) Pyrene-d10	19.91	212	155624m	16.69	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.86	264	157192	17.25	ng/ul	0.08
Target Compounds						Qvalue
6) Phenol	7.27	94	10912	4.16	ng/ul	95
11) 2-Methylphenol	8.54	108	31213	15.60	ng/ul	93
14) Acetophenone	8.93	105	17112	5.22	ng/ul#	94
16) 4-Methylphenol	8.87	108	46587	21.03	ng/ul	98
24) 2,4-Dimethylphenol	10.09	107	150187m	64.25	ng/ul	
28) Naphthalene	11.14	128	18478517m	3197.15	ng/ul	
34) 2-Methylnaphthalene	12.67	142	9556402	2164.65	ng/ul	94
41) 1,1'-Biphenyl	13.61	154	4734243	459.25	ng/ul#	60
45) Dimethylphthalate	14.24	163	51079	4.52	ng/ul	97
48) Acenaphthylene	14.49	152	2372182	173.64	ng/ul#	80
50) Acenaphthene	14.94	153	14095632m	1533.49	ng/ul	
54) Dibenzofuran	15.24	168	10497036m	767.68	ng/ul	
59) Fluorene	15.91	166	11005609m	1002.29	ng/ul	
70) Phenanthrene	17.63	178	22509164m	3560.00	ng/ul	
72) Anthracene	17.77	178	3126475m	487.52	ng/ul	
75) Carbazole	17.96	167	3796578	704.57	ng/ul#	64
77) Fluoranthene	19.65	202	15682450m	2122.25	ng/ul	
80) Pyrene	20.03	202	12691603m	1048.30	ng/ul	
83) Benzo(a)anthracene	21.81	228	6914630m	592.42	ng/ul	
85) Chrysene	21.90	228	5573300m	507.00	ng/ul	
88) Benzo(b)fluoranthene	24.09	252	5226748	475.39	ng/ul#	84
89) Benzo(k)fluoranthene	24.14	252	1591844m	150.88	ng/ul	
91) Benzo(a)pyrene	24.98	252	3149043	302.15	ng/ul#	91

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Instrument :
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ClientSampleId :
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Quant Time: Dec 25 23:11:45 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	28.85	276	1138155m	91.70	ng/ul	
93) Dibenzo(a,h)anthracene	28.88	278	351657m	34.13	ng/ul	
94) Benzo(g,h,i)perylene	30.02	276	875871m	86.08	ng/ul	

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

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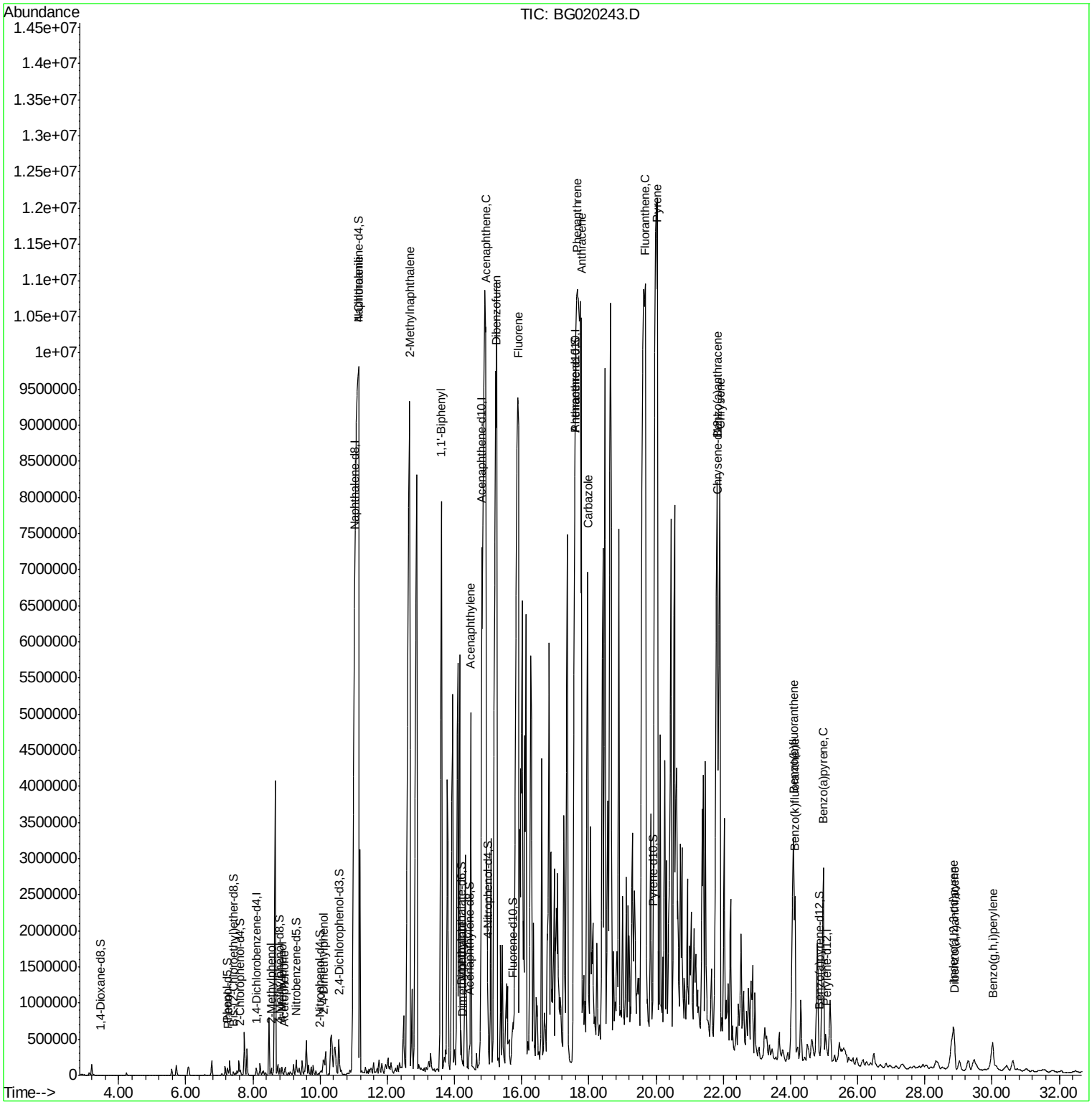
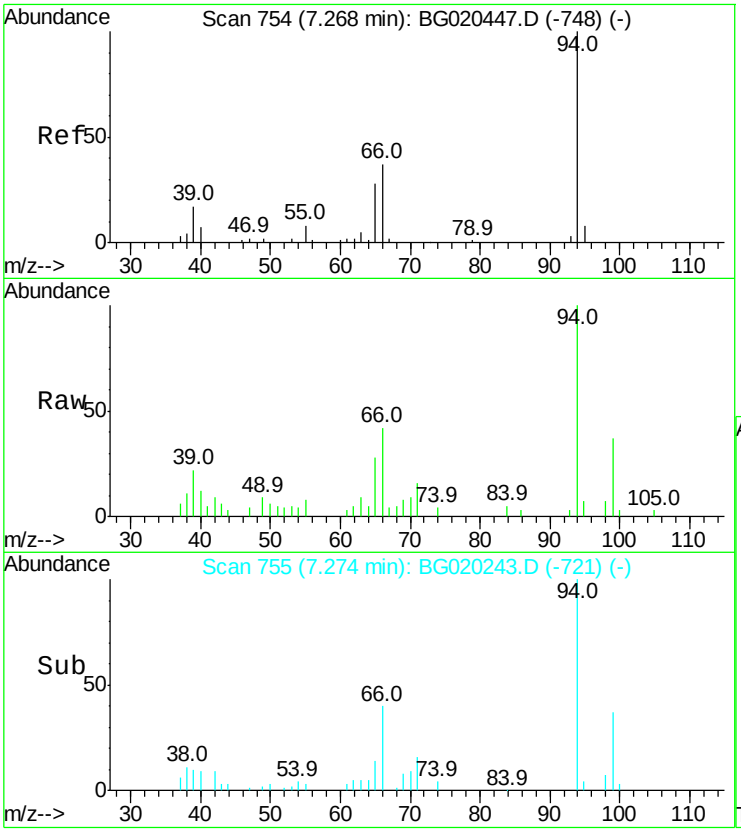
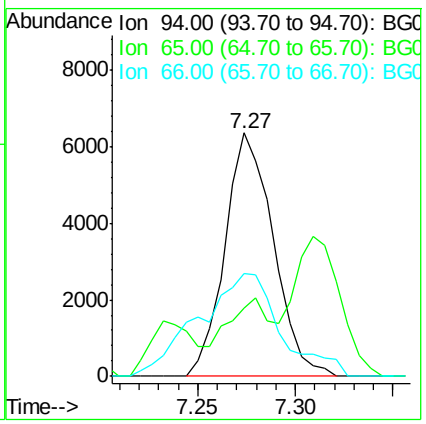




#6
Phenol
Concen: 4.16 ng/ul
RT: 7.27 min Scan# 755
Delta R.T. 0.00 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion: 94 Resp: 10912

Ion	Ratio	Lower	Upper
94	100		
65	27.8	26.3	39.5
66	42.4	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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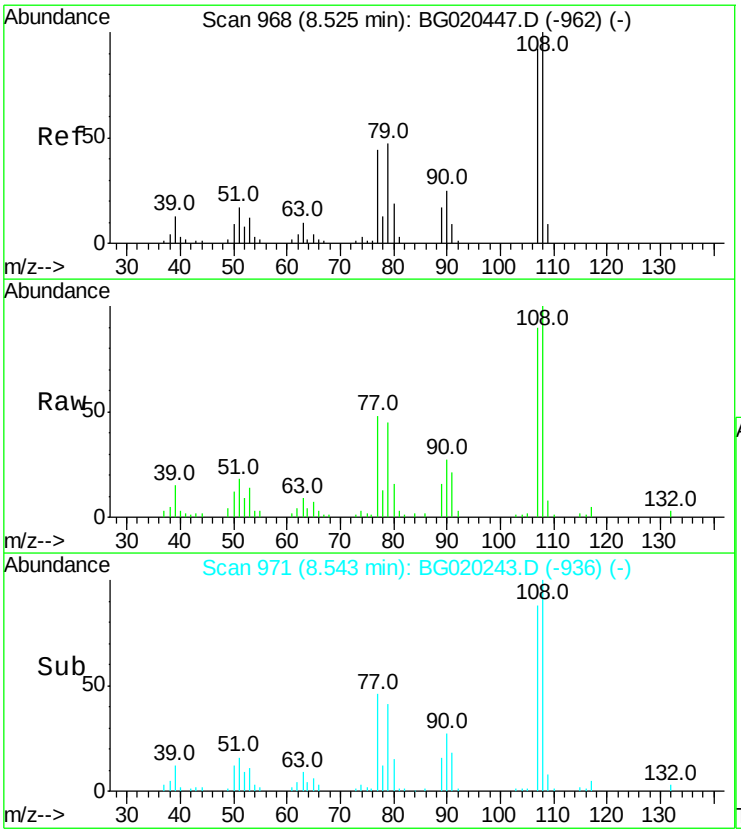
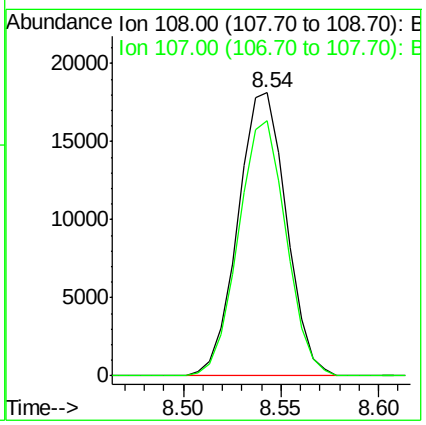
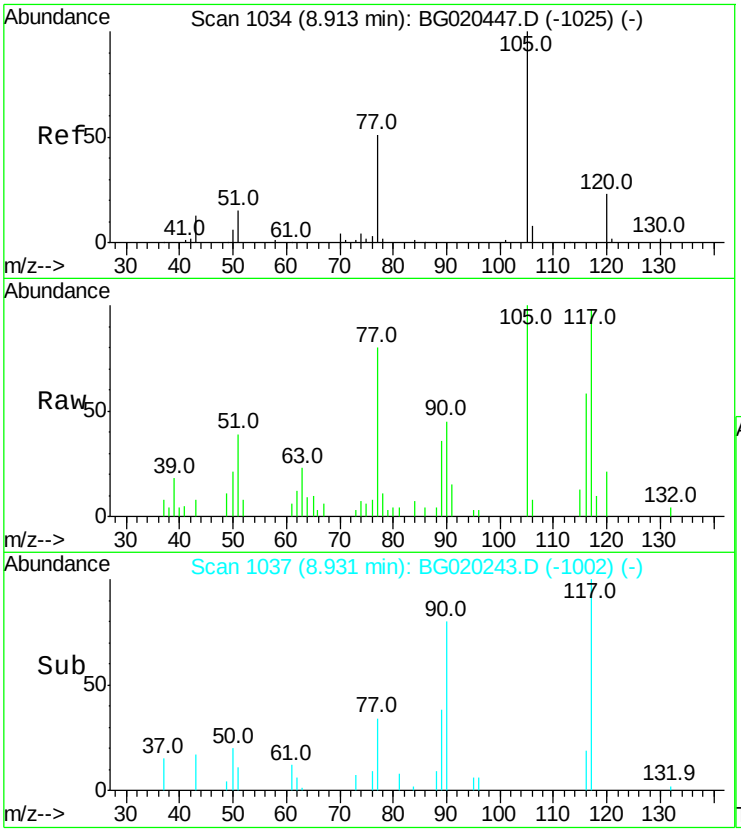


#11
2-Methylphenol
Concen: 15.60 ng/ul
RT: 8.54 min Scan# 971
Delta R.T. 0.01 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:108 Resp: 31213

Ion	Ratio	Lower	Upper
108	100		
107	90.4	67.5	101.3





#14
Acetophenone
Concen: 5.22 ng/ul
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:105 Resp: 17112

Ion	Ratio	Lower	Upper
105	100		
77	80.3	65.2	97.8
51	38.6	22.6	33.8#

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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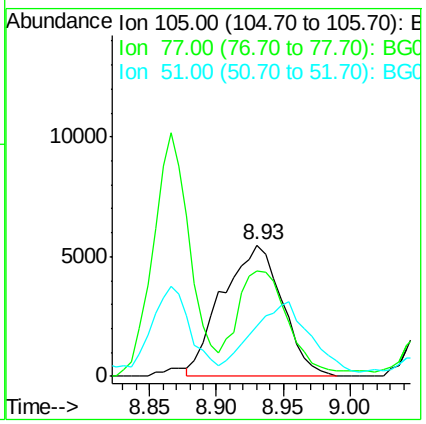
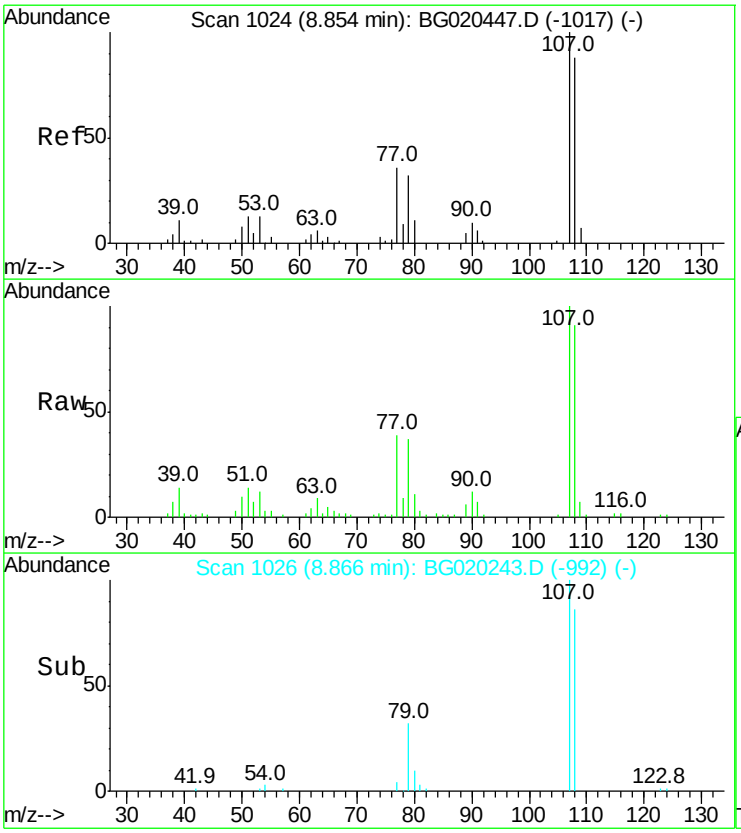
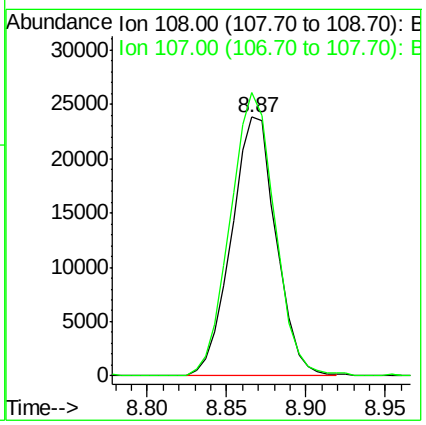


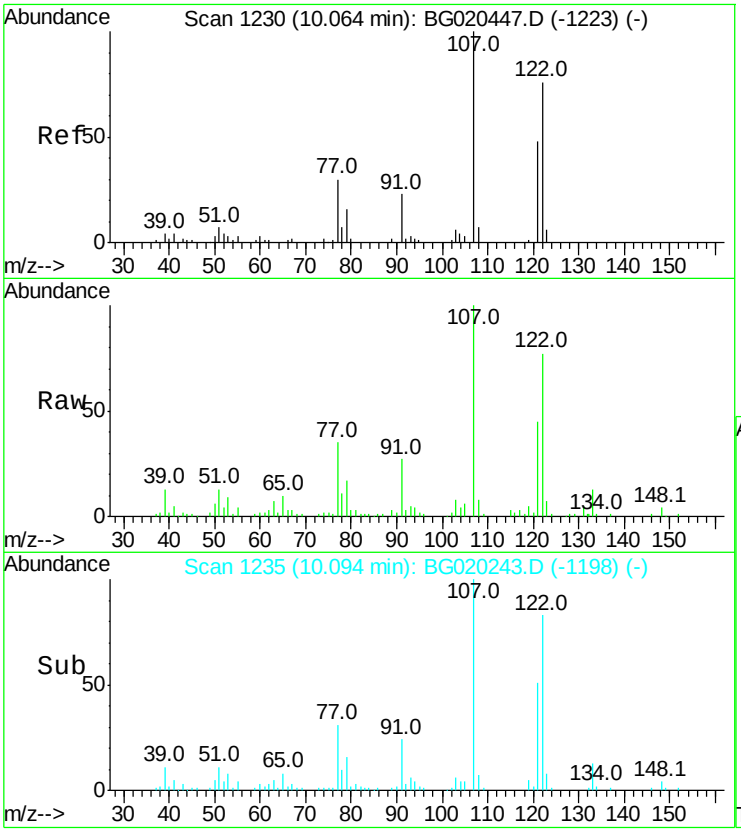


#16
4-Methylphenol
Concen: 21.03 ng/ul
RT: 8.87 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:108 Resp: 46587

Ion	Ratio	Lower	Upper
108	100		
107	109.4	88.9	133.3

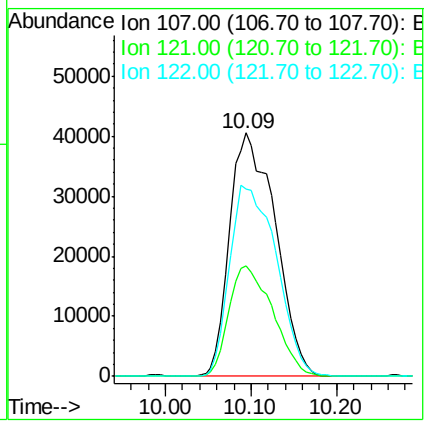




#24
2,4-Dimethylphenol
Concen: 64.25 ng/ul m
RT: 10.09 min Scan# 1235
Delta R.T. 0.02 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:107 Resp: 150187

Ion	Ratio	Lower	Upper
107	100		
121	45.3	39.0	58.4
122	76.7	62.1	93.1



Instrument :
BNA_G
ClientSampleId :
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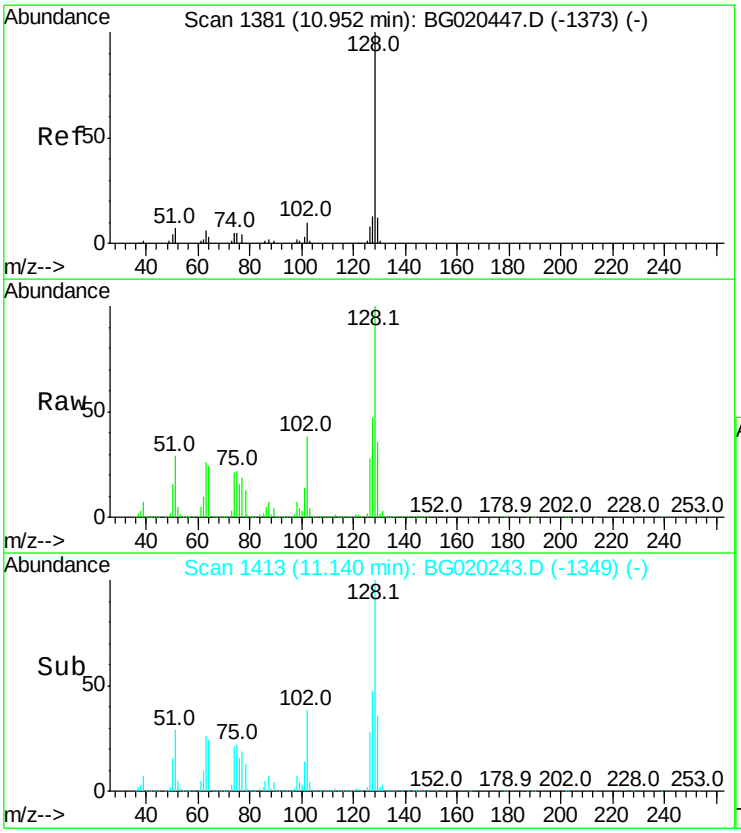
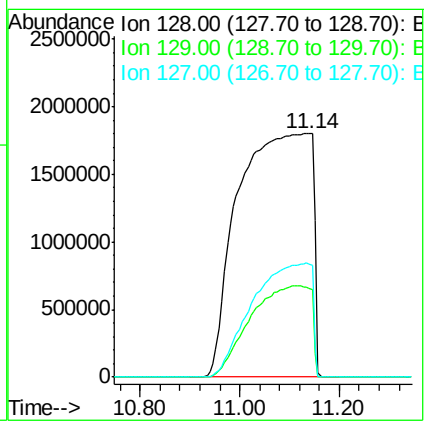
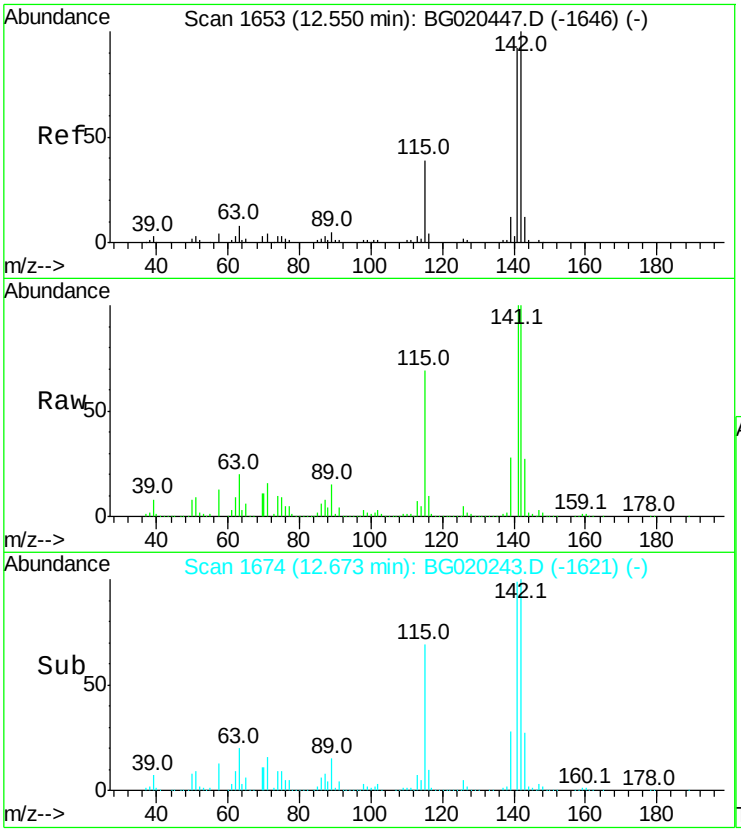


#28
Naphthalene
Concen: 3197.15 ng/ul m
RT: 11.14 min Scan# 1413
Delta R.T. 0.18 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:128 Resp:18478517

Ion	Ratio	Lower	Upper
128	100		
129	36.5	8.6	12.8#
127	46.6	10.1	15.1#





#34
2-Methylnaphthalene
Concen: 2164.65 ng/ul
RT: 12.67 min Scan# 1674
Delta R.T. 0.11 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:142 Resp: 9556402

Ion	Ratio	Lower	Upper
142	100		
141	99.5	74.9	112.3

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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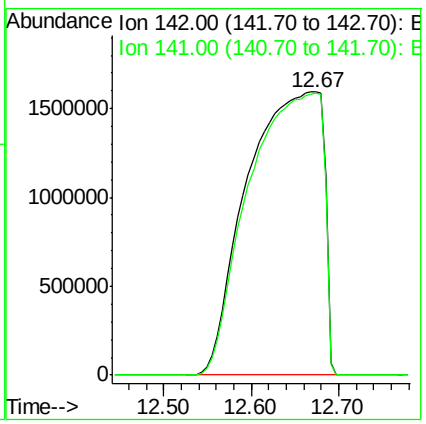
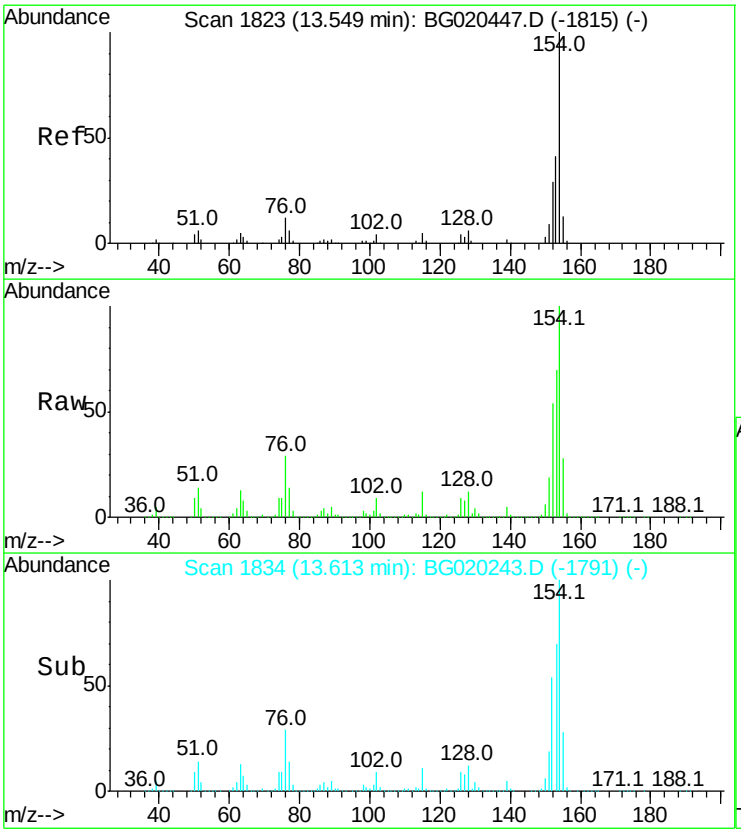
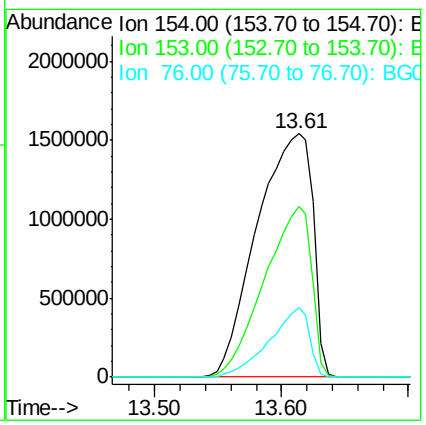


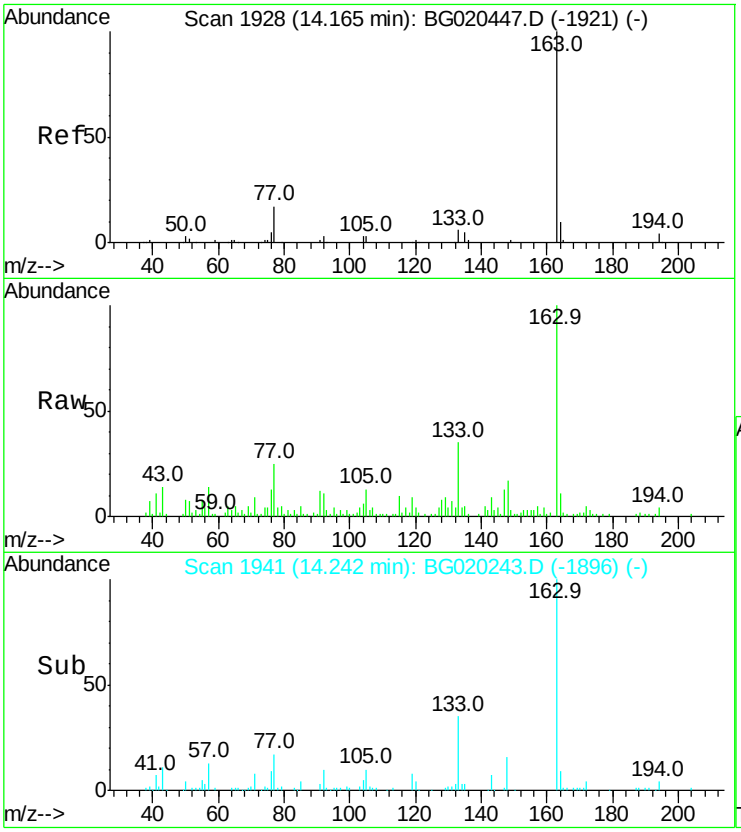


#41
1,1'-Biphenyl
Concen: 459.25 ng/ul
RT: 13.61 min Scan# 1834
Delta R.T. 0.05 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:154 Resp: 4734243

Ion	Ratio	Lower	Upper
154	100		
153	70.3	35.5	53.3#
76	28.8	10.4	15.6#

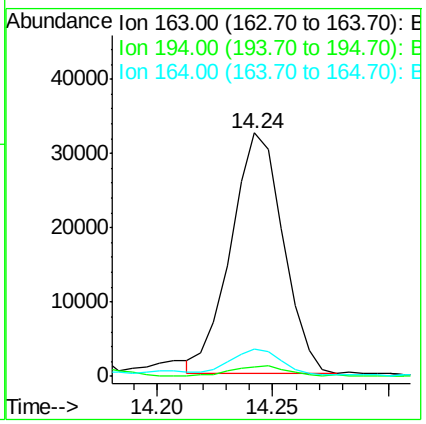




#45
Dimethylphthalate
Concen: 4.52 ng/ul
RT: 14.24 min Scan# 1941
Delta R.T. 0.07 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:163 Resp: 51079

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	11.1	7.7	11.5



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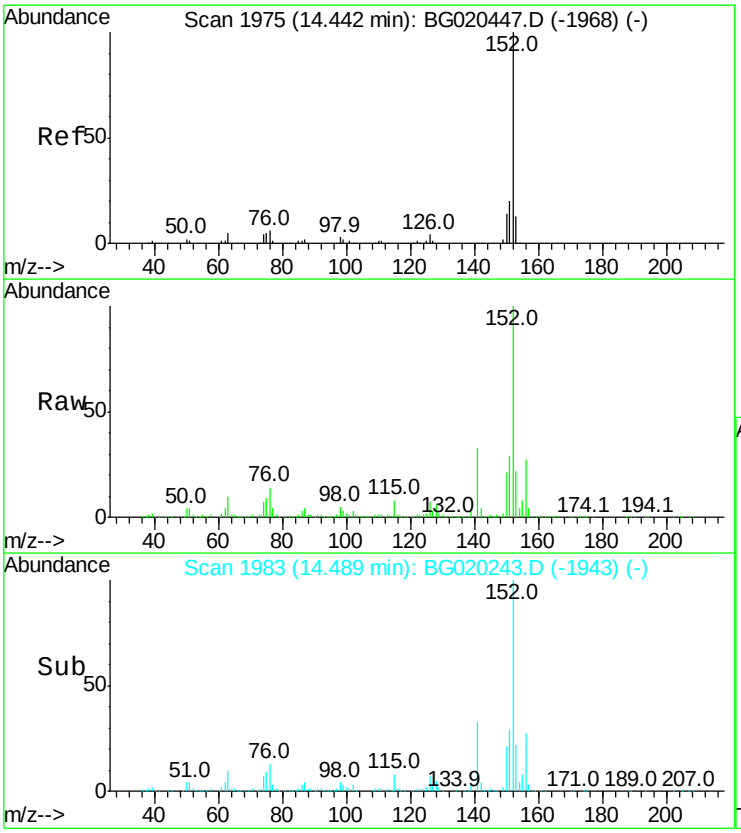
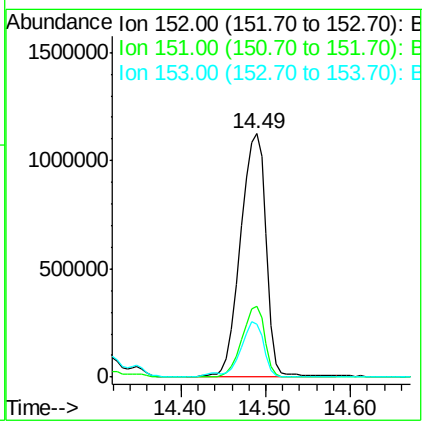
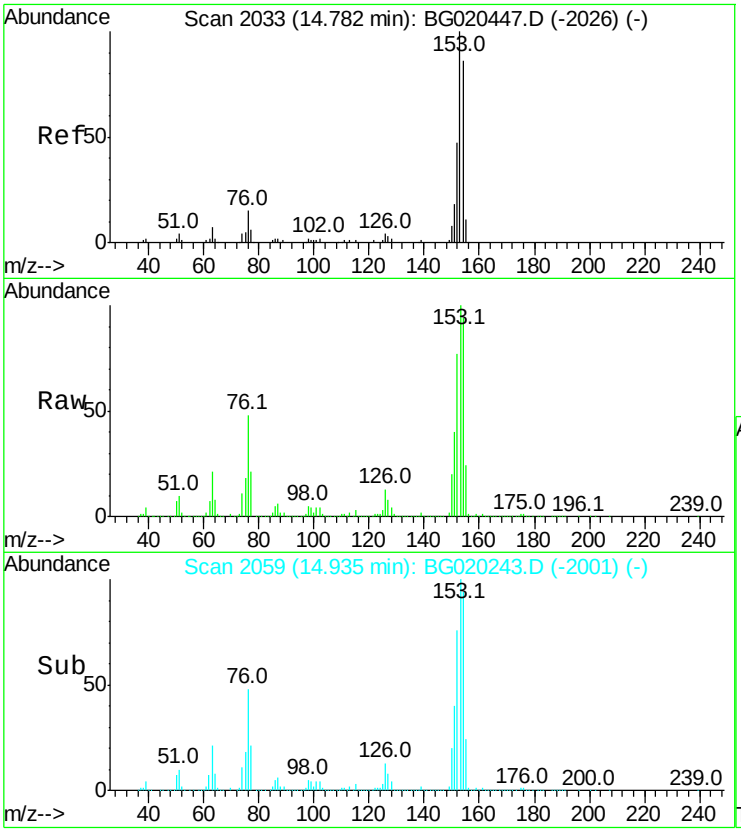


#48
Acenaphthylene
Concen: 173.64 ng/ul
RT: 14.49 min Scan# 1983
Delta R.T. 0.04 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:152 Resp: 2372182

Ion	Ratio	Lower	Upper
152	100		
151	28.8	16.4	24.6#
153	22.0	10.4	15.6#

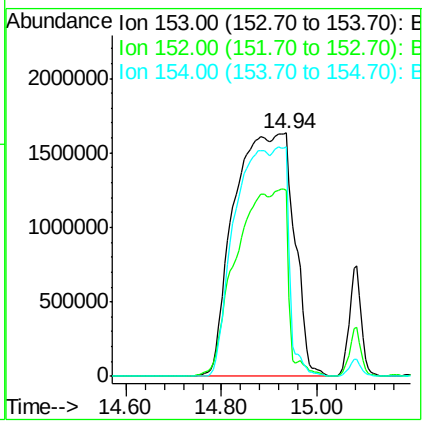




#50
Acenaphthene
Concen: 1533.49 ng/ul m
RT: 14.94 min Scan# 2059
Delta R.T. 0.14 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:153 Resp:14095632

Ion	Ratio	Lower	Upper
153	100		
152	76.6	37.6	56.4#
154	94.0	67.9	101.9



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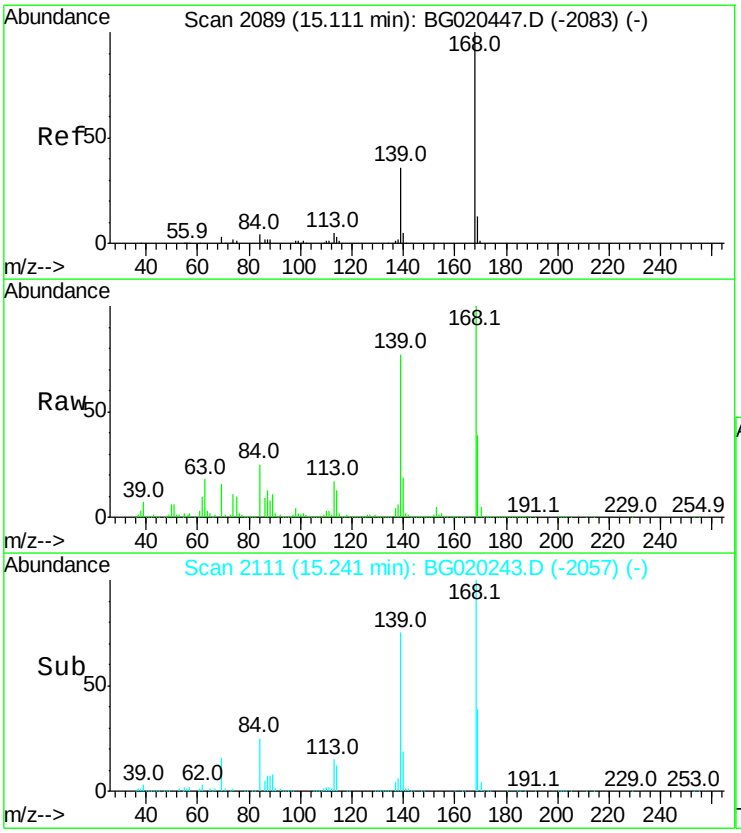
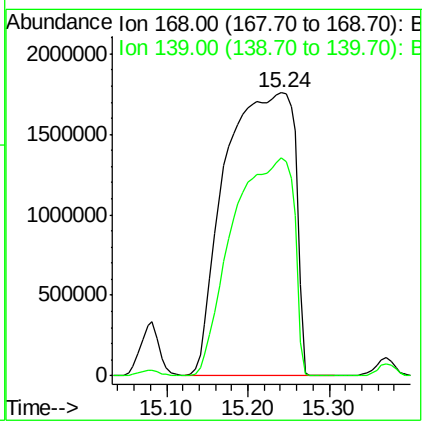
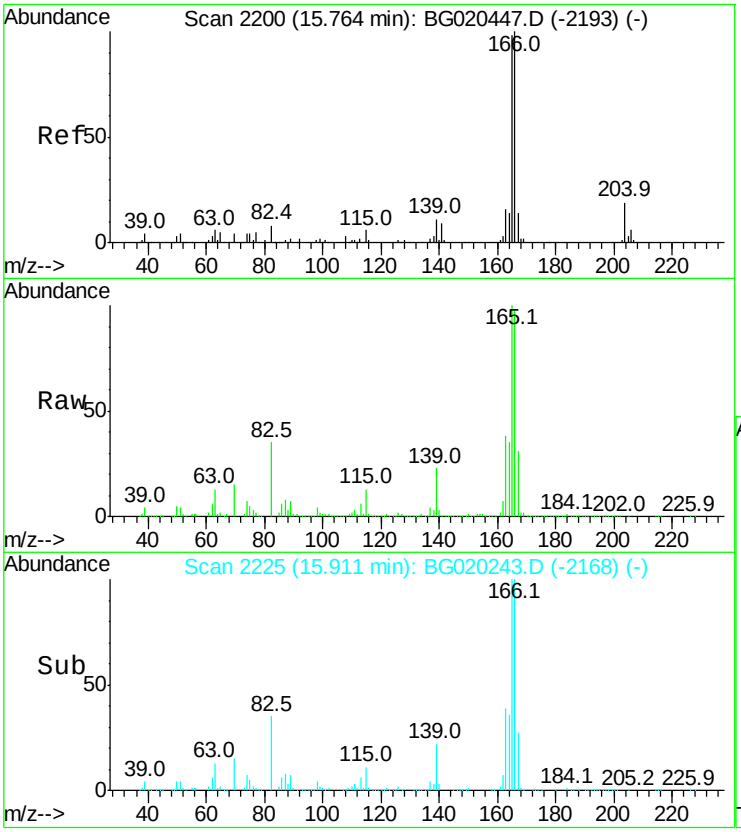


#54
Dibenzofuran
Concen: 767.68 ng/ul m
RT: 15.24 min Scan# 2111
Delta R.T. 0.12 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:168 Resp:10497036

Ion	Ratio	Lower	Upper
168	100		
139	77.0	30.5	45.7#





#59
Fluorene
Concen: 1002.29 ng/ul m
RT: 15.91 min Scan# 2225
Delta R.T. 0.14 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:166 Resp:11005609

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.4	122.0
167	31.8	11.2	16.8#

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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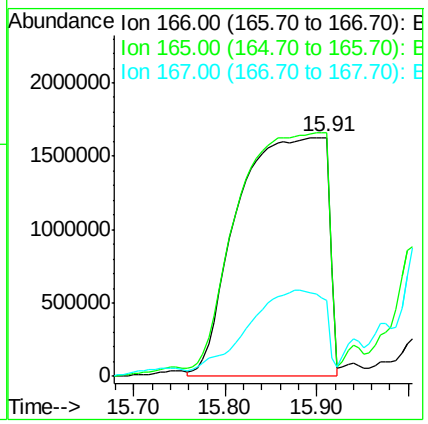
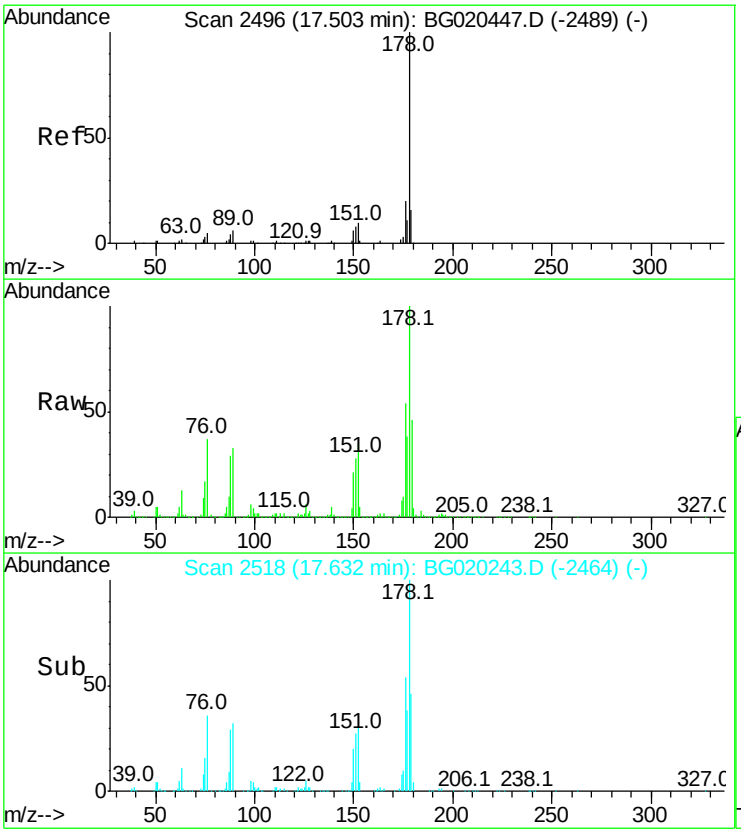
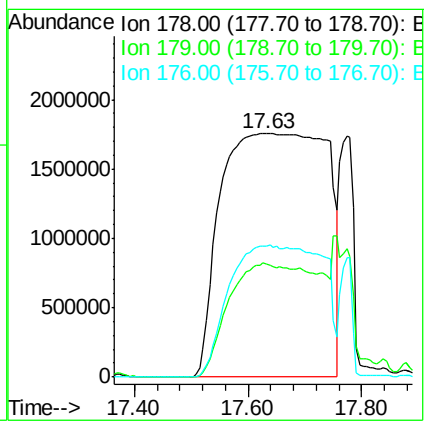


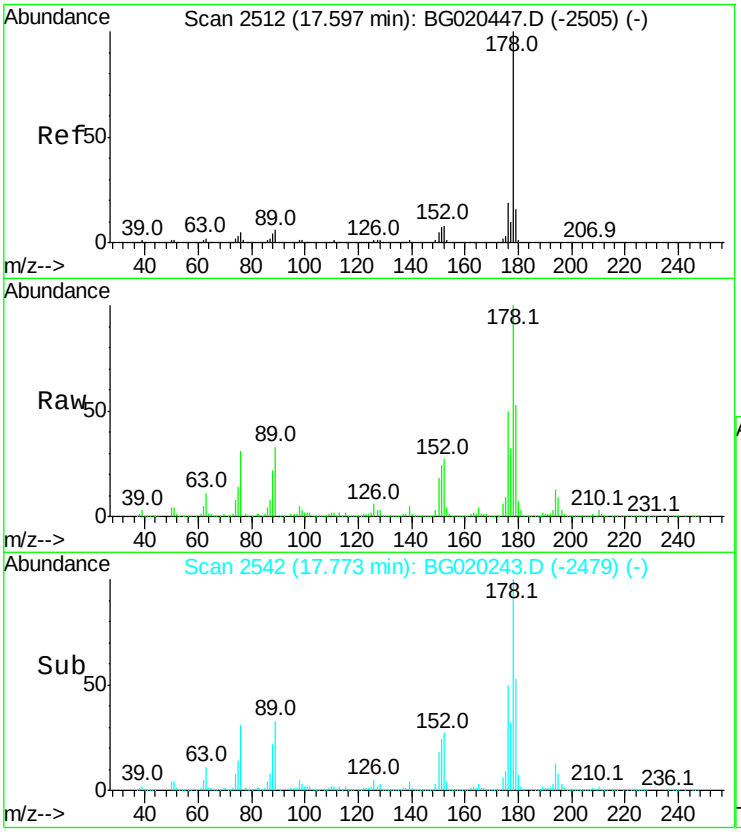


#70
Phenanthrene
Concen: 3560.00 ng/ul m
RT: 17.63 min Scan# 2518
Delta R.T. 0.12 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:178 Resp:22509164

Ion	Ratio	Lower	Upper
178	100		
179	46.2	12.9	19.3#
176	53.9	15.3	22.9#

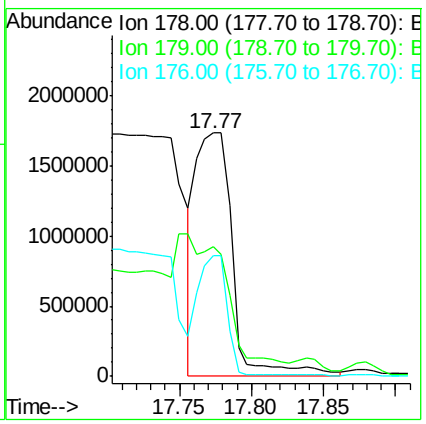




#72
Anthracene
Concen: 487.52 ng/ul m
RT: 17.77 min Scan# 2542
Delta R.T. 0.17 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:178 Resp: 3126475

Ion	Ratio	Lower	Upper
178	100		
179	53.3	12.3	18.5#
176	49.7	14.3	21.5#



Instrument :
BNA_G
ClientSampleId :
D9N44

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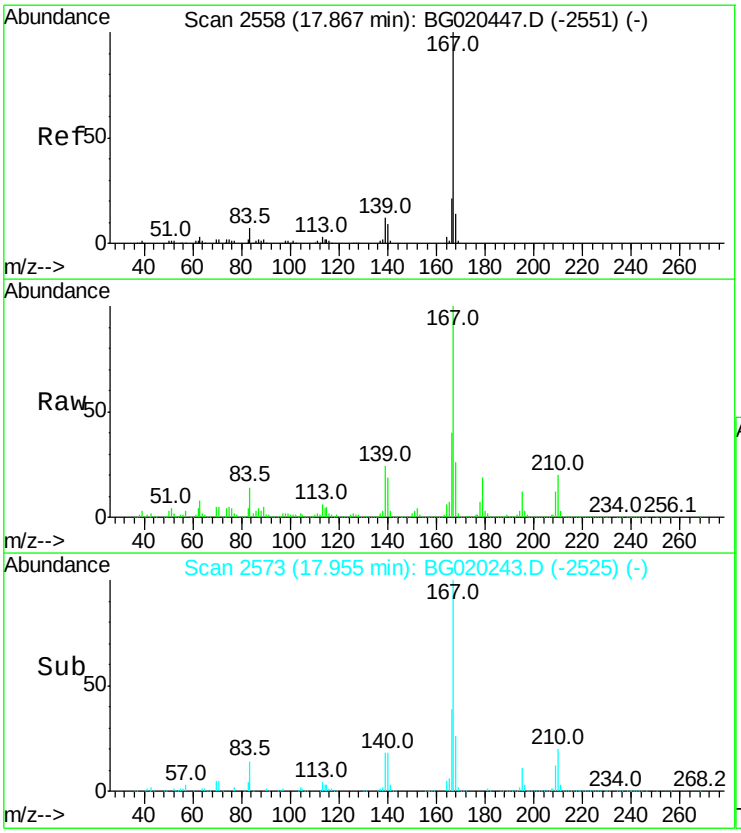
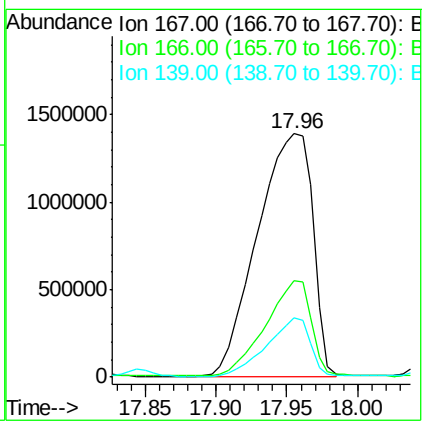
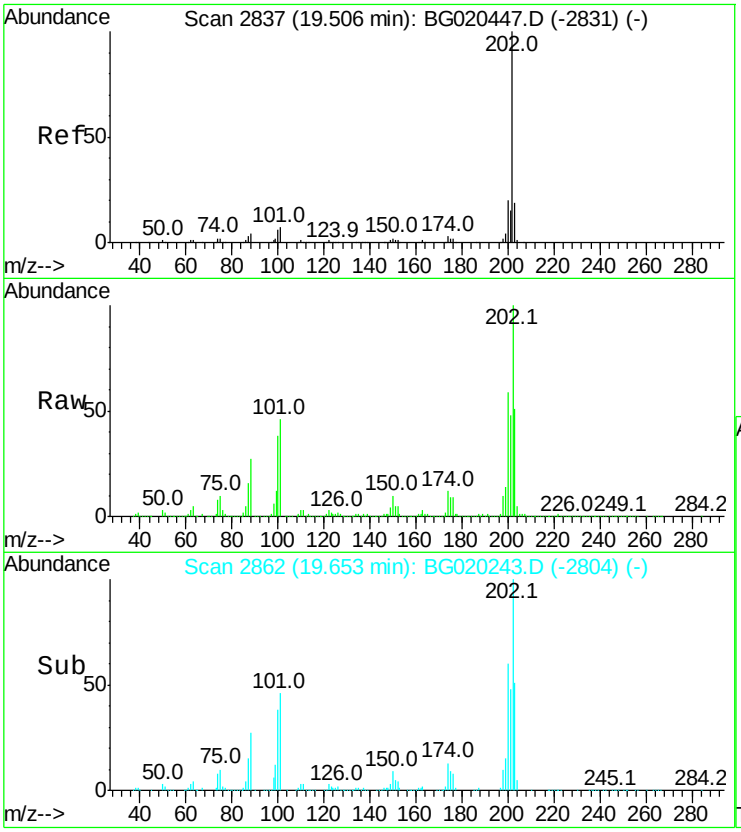


#75
Carbazole
Concen: 704.57 ng/ul
RT: 17.96 min Scan# 2573
Delta R.T. 0.08 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:167 Resp: 3796578

Ion	Ratio	Lower	Upper
167	100		
166	39.6	17.0	25.6#
139	24.4	10.1	15.1#





#77
Fluoranthene
Concen: 2122.25 ng/ul m
RT: 19.65 min Scan# 2862
Delta R.T. 0.14 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:202 Resp:15682450

Ion	Ratio	Lower	Upper
202	100		
101	46.2	6.2	9.4#
100	38.0	5.1	7.7#

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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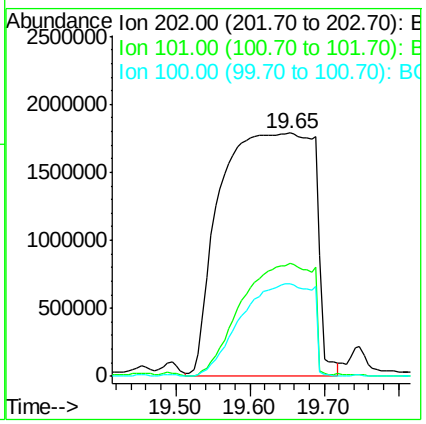
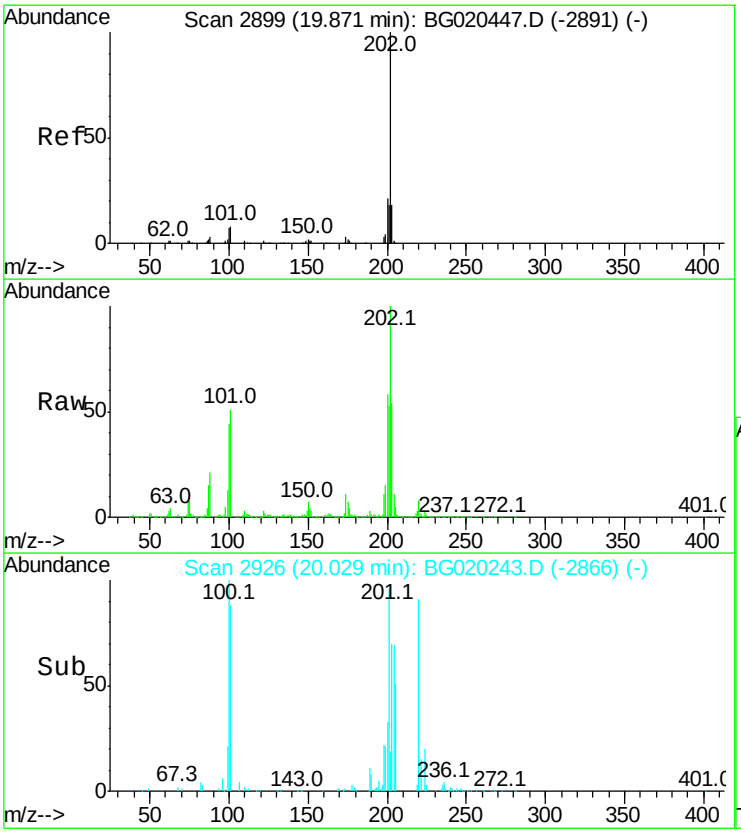
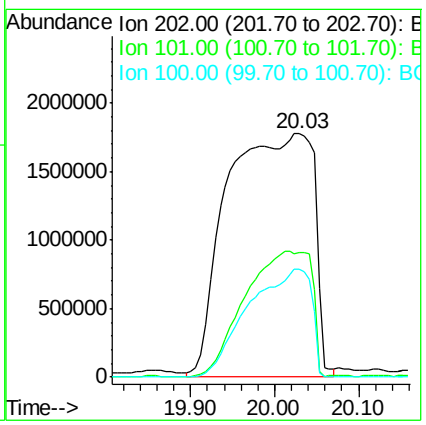


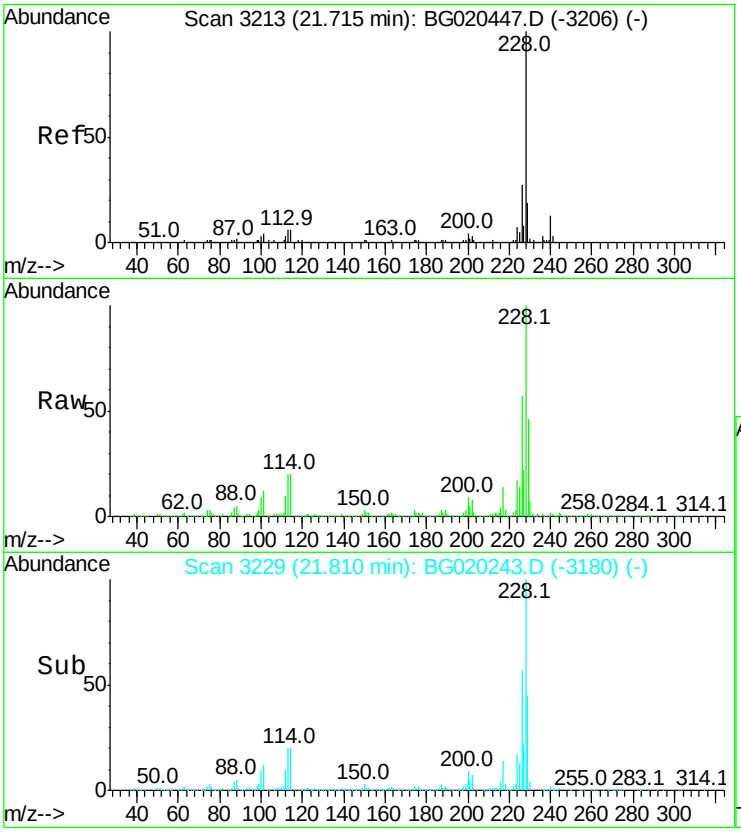


#80
Pyrene
Concen: 1048.30 ng/ul m
RT: 20.03 min Scan# 2926
Delta R.T. 0.15 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:202 Resp:12691603

Ion	Ratio	Lower	Upper
202	100		
101	51.1	7.0	10.4#
100	44.3	6.4	9.6#

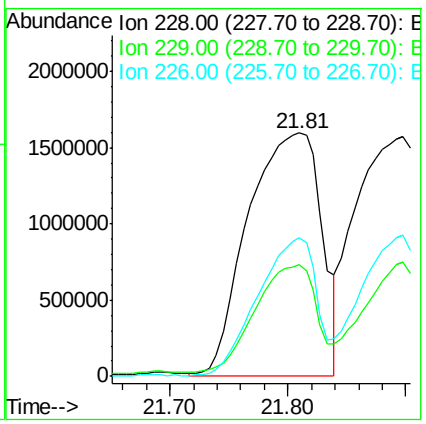




#83
Benzo(a)anthracene
Concen: 592.42 ng/ul m
RT: 21.81 min Scan# 3229
Delta R.T. 0.09 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:228 Resp: 6914630

Ion	Ratio	Lower	Upper
228	100		
229	45.9	15.8	23.8#
226	56.9	21.8	32.6#



Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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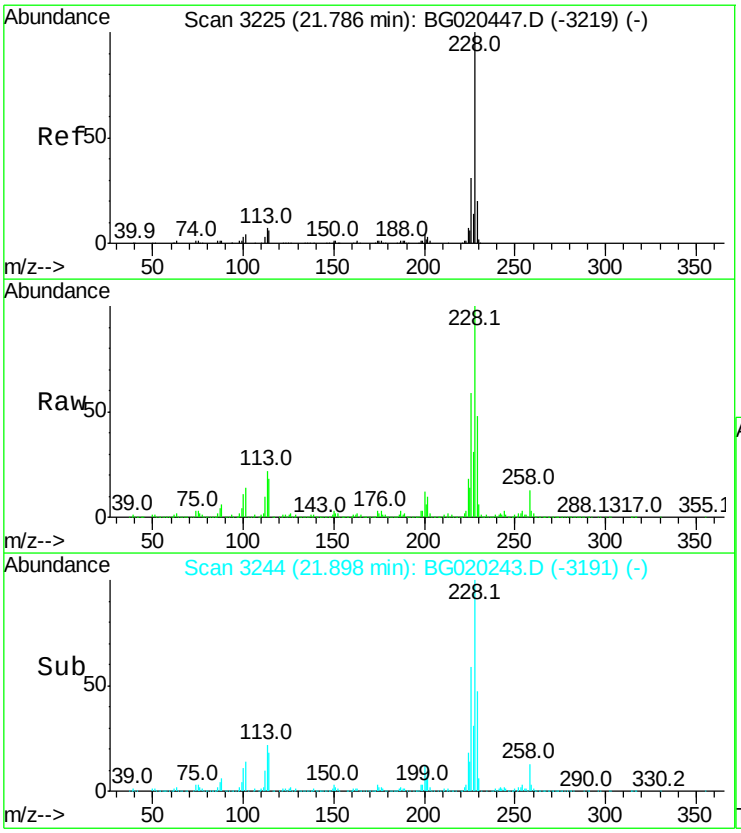
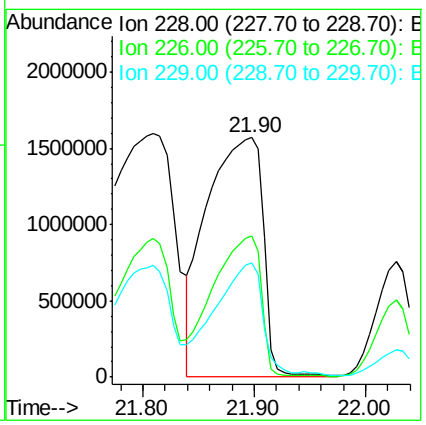
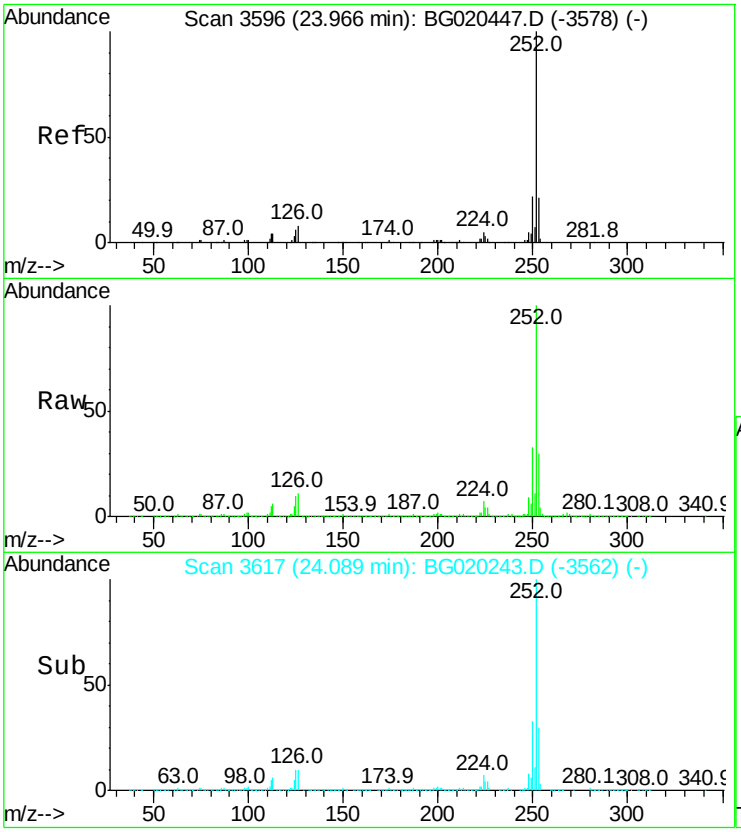


#85
Chrysene
Concen: 507.00 ng/ul m
RT: 21.90 min Scan# 3244
Delta R.T. 0.11 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:228 Resp: 5573300

Ion	Ratio	Lower	Upper
228	100		
226	58.9	23.9	35.9#
229	47.9	15.6	23.4#

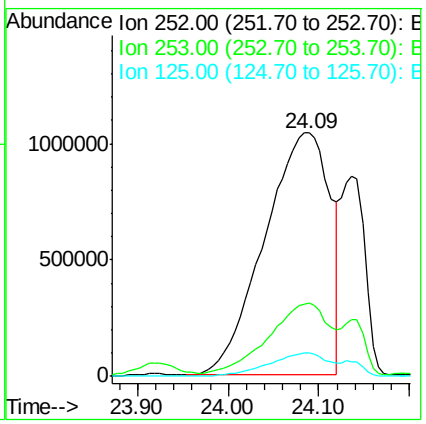




#88
Benzo(b)fluoranthene
Concen: 475.39 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.12 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:252 Resp: 5226748

Ion	Ratio	Lower	Upper
252	100		
253	30.1	16.7	25.1#
125	9.7	6.2	9.2#



Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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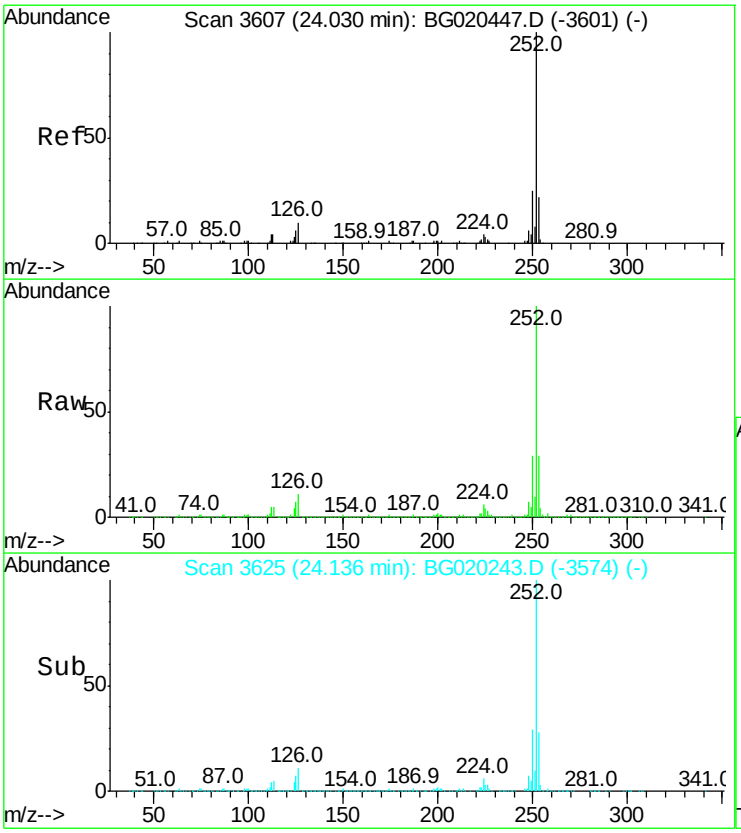
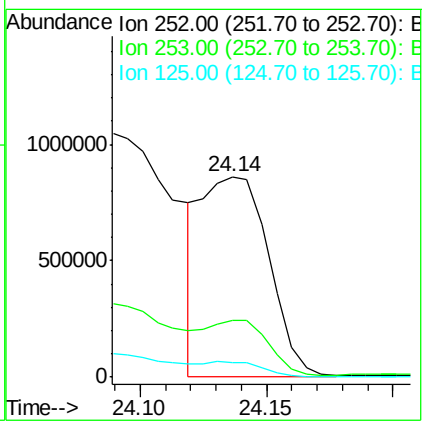
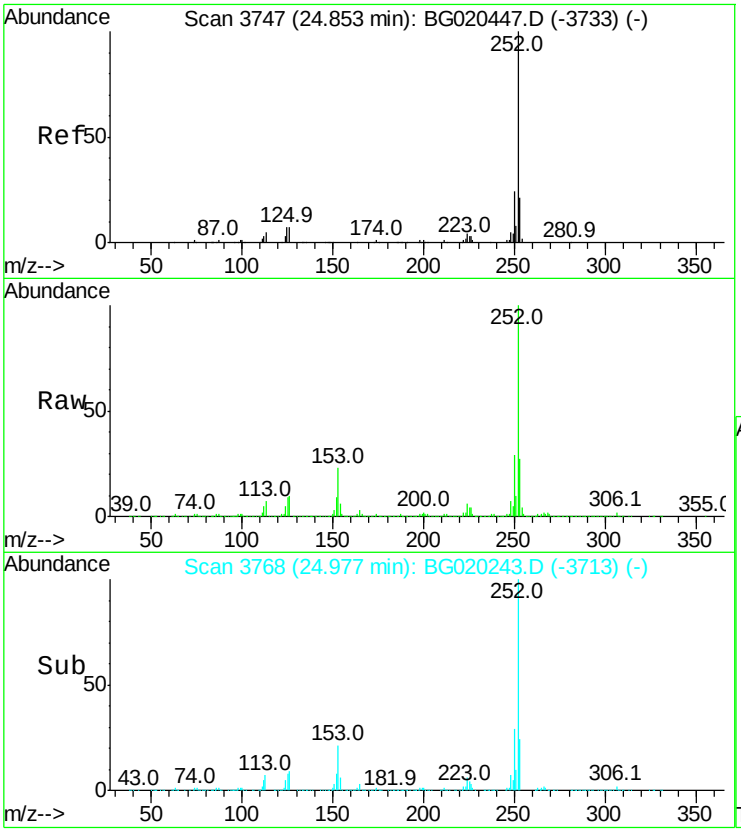


#89
Benzo(k)fluoranthene
Concen: 150.88 ng/ul m
RT: 24.14 min Scan# 3625
Delta R.T. 0.10 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:252 Resp: 1591844

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.9	26.9#
125	7.5	5.8	8.6

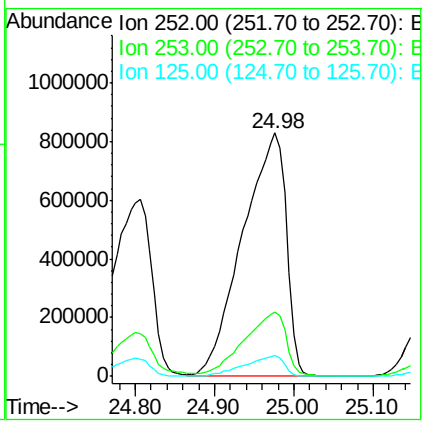




#91
Benzo(a)pyrene
Concen: 302.15 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. 0.12 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:252 Resp: 3149043

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.4#
125	8.6	6.2	9.4



Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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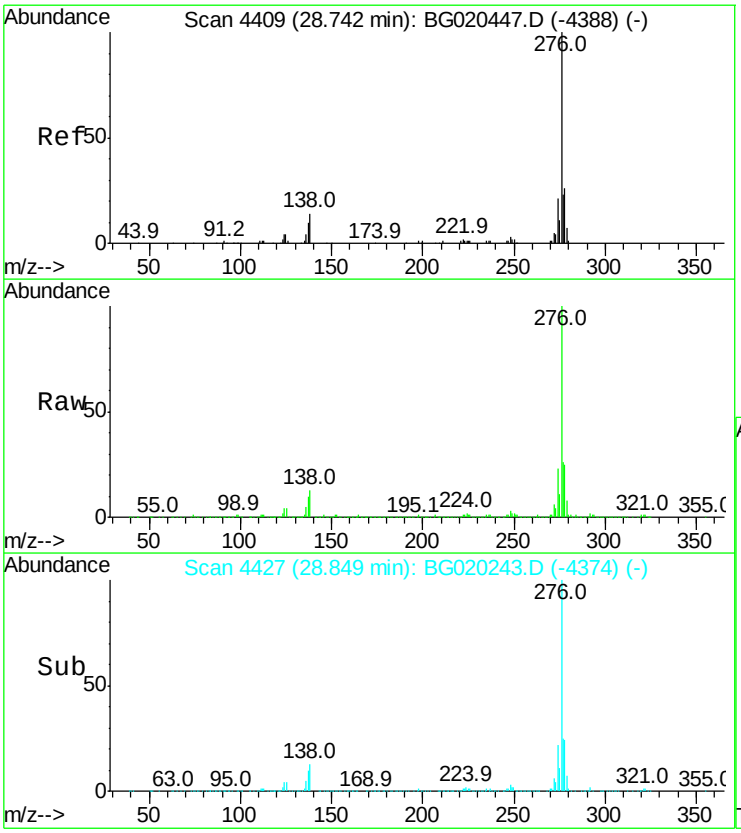
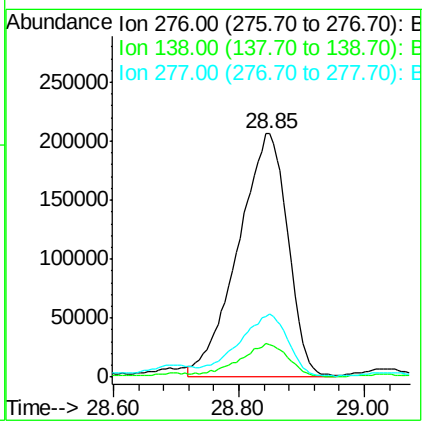
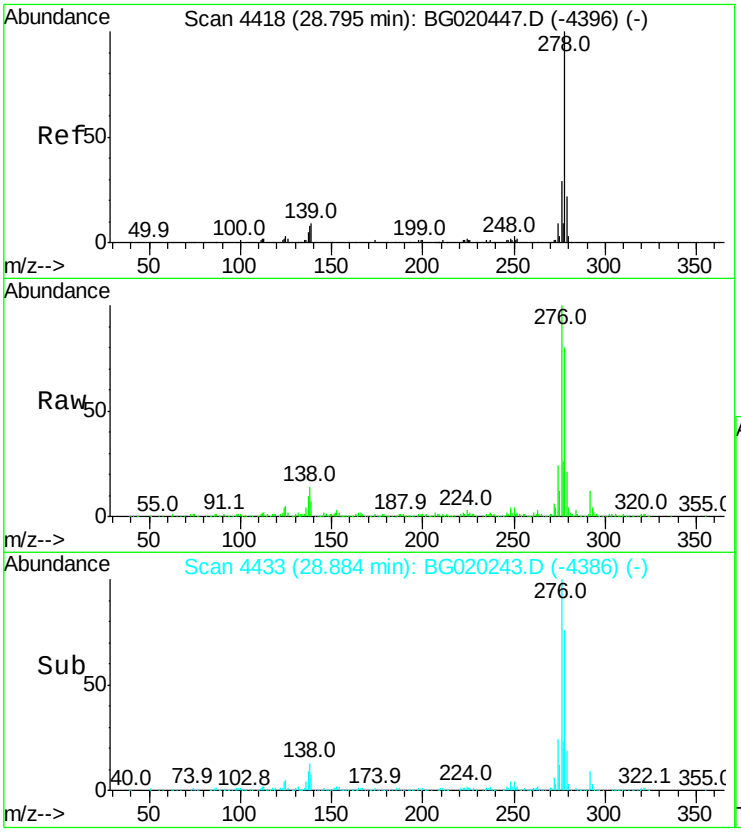


#92
Indeno(1,2,3-cd)pyrene
Concen: 91.70 ng/ul m
RT: 28.85 min Scan# 4427
Delta R.T. 0.11 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:276 Resp: 1138155

Ion	Ratio	Lower	Upper
276	100		
138	13.4	11.4	17.0
277	26.1	17.4	26.0#





#93
Dibenzo(a,h)anthracene
Concen: 34.13 ng/ul m
RT: 28.88 min Scan# 4433
Delta R.T. 0.08 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:278 Resp: 351657

Ion	Ratio	Lower	Upper
278	100		
139	9.2	9.4	14.2#
279	26.3	19.4	29.0

Instrument :
BNA_G
ClientSampleId :
D9N44

Manual Integrations APPROVED
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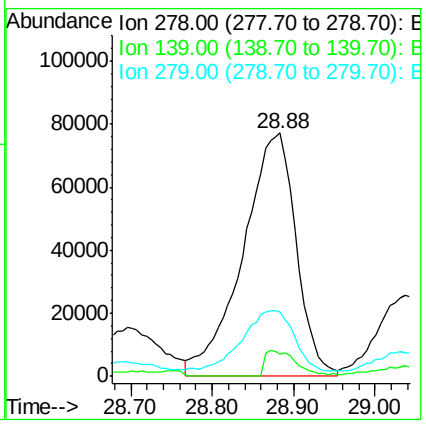

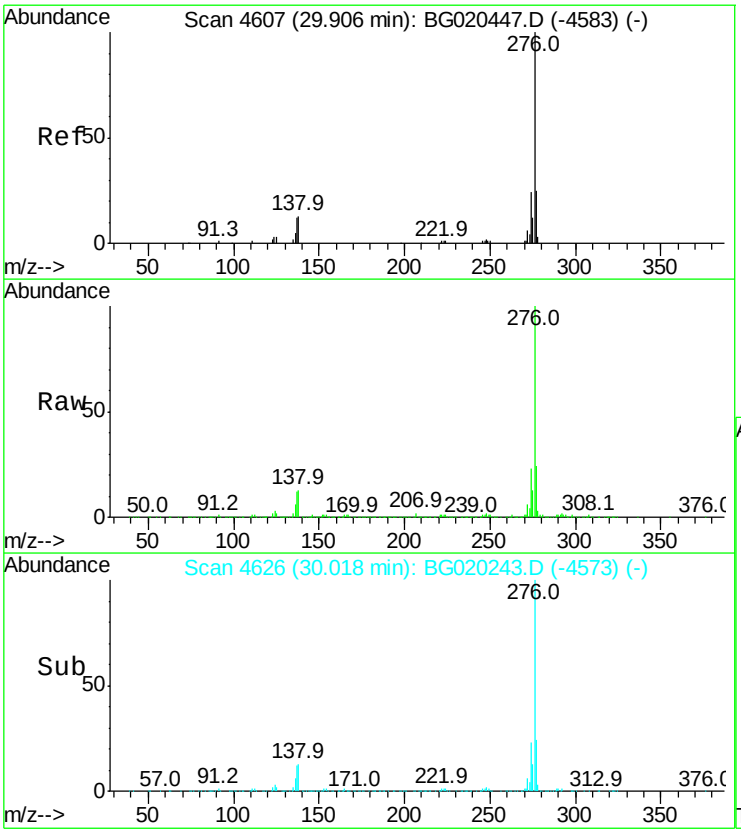

#94
Benzo(g,h,i)perylene
Concen: 86.08 ng/ul m
RT: 30.02 min Scan# 4626
Delta R.T. 0.11 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:276 Resp: 875871

Ion	Ratio	Lower	Upper
276	100		
138	13.1	10.8	16.2
277	24.1	19.9	29.9