Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121615\
Data File : BG020197.D
Acq On : 15 Dec 2015 20:02
Operator : UM/SJ
Sample : G4786-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BQ4

Manual Integrations APPROVED
MMdadoda
12/16/2015 5:45:22 PM

Quant Time: Dec 16 03:28:07 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 16 02:38:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	23611	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	100637	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.73	164	70644	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	157115	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	182716	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	175156	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	654	1.53	ng/uL	0.00
5) Phenol-d5	7.25	99	17023	8.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	42784	34.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	44085	29.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	33311	18.71	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	37417	47.70	ng/ul	0.00
22) 2-Nitrophenol-d4	10.00	143	34415	39.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	59527	33.67	ng/ul	0.01
29) 4-Chloroaniline-d4	11.06	131	10121m	5.10	ng/ul	0.01
44) Dimethylphthalate-d6	14.13	166	212315	37.16	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	253093	38.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	10057	9.81	ng/ul	0.00
58) Fluorene-d10	15.72	176	189320	36.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	39704	42.63	ng/ul	0.00
71) Anthracene-d10	17.57	188	293696	40.57	ng/ul	0.00
79) Pyrene-d10	19.85	212	325031	38.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	317201	36.31	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.27	94	3926	1.76	ng/ul	89
14) Acetophenone	8.91	105	23318	8.36	ng/ul#	59
28) Naphthalene	11.07	128	9992991	1901.46	ng/ul#	35
34) 2-Methylnaphthalene	12.58	142	1311948	326.82	ng/ul	97
35) 1-Methylnaphthalene	12.81	142	2209987	572.64	ng/ul#	94
41) 1,1'-Biphenyl	13.57	154	287833	54.01	ng/ul	96
48) Acenaphthylene	14.46	152	68639	9.72	ng/ul#	78
50) Acenaphthene	14.80	153	802630	168.90	ng/ul	97
54) Dibenzofuran	15.13	168	83775	11.85	ng/ul	97
59) Fluorene	15.78	166	301063	53.03	ng/ul	99
70) Phenanthrene	17.52	178	782906	91.10	ng/ul	98
72) Anthracene	17.61	178	167465	19.21	ng/ul	99
75) Carbazole	17.88	167	149971	20.48	ng/ul	98
77) Fluoranthene	19.52	202	149755m	14.91	ng/ul	
80) Pyrene	19.88	202	213987	19.35	ng/ul	98
83) Benzo(a)anthracene	21.72	228	72414m	6.79	ng/ul	
85) Chrysene	21.79	228	60909	6.07	ng/ul	97
88) Benzo(b)fluoranthene	23.97	252	32855	3.12	ng/ul	97
91) Benzo(a)pyrene	24.86	252	43331m	4.34	ng/ul	

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

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG121615\
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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 16 02:38:55 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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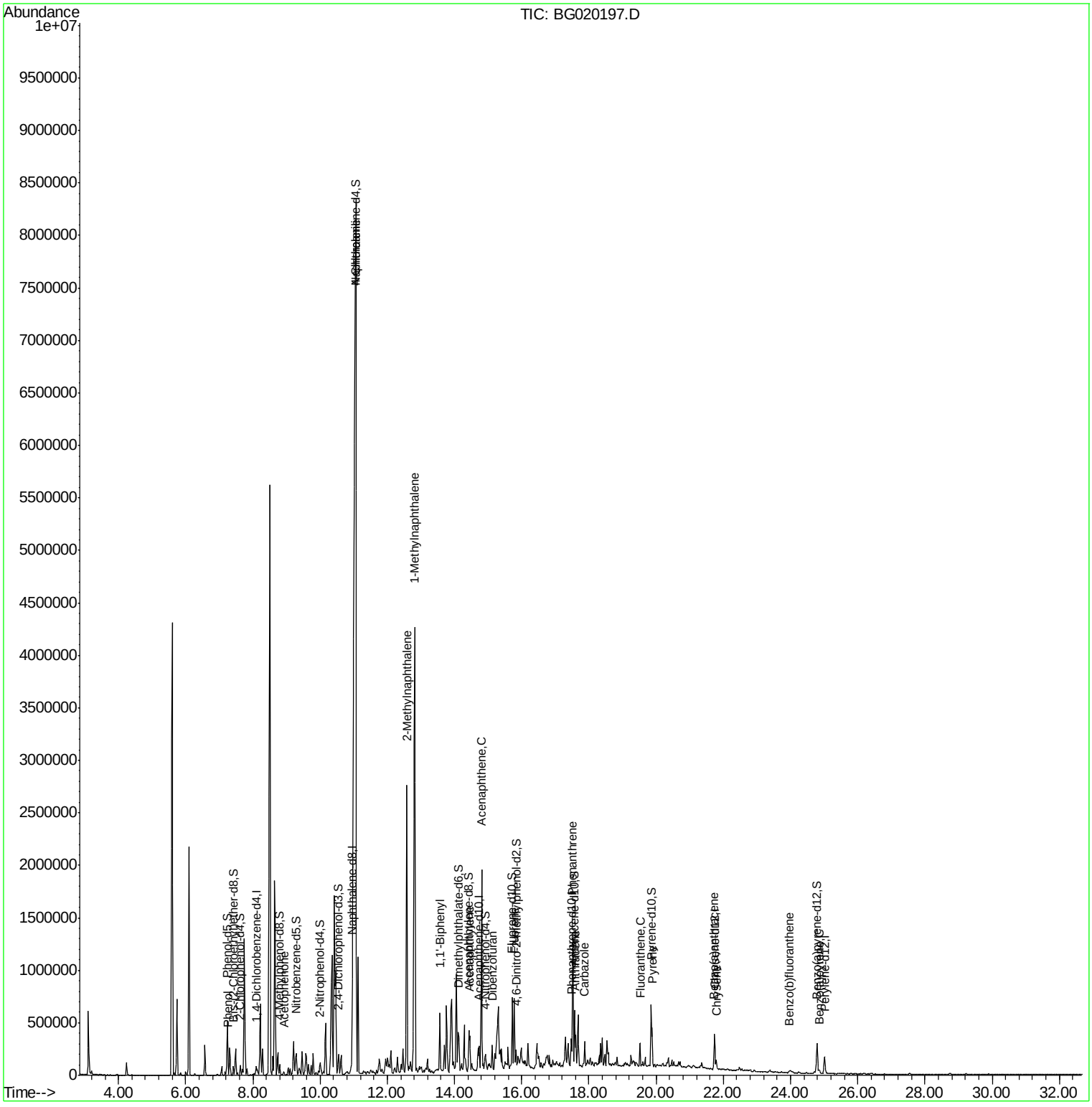
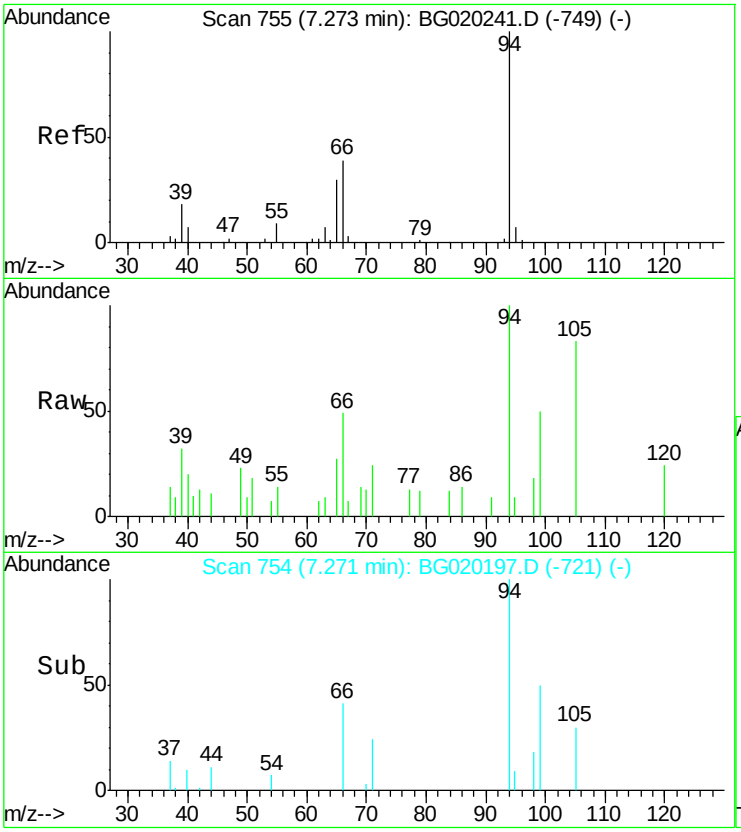
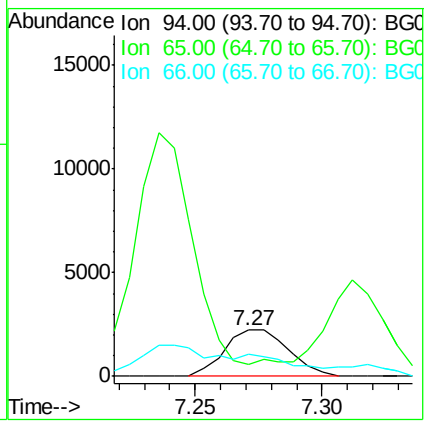




#6
Phenol
Concen: 1.76 ng/ul
RT: 7.27 min Scan# 754
Delta R.T. -0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion: 94 Resp: 3926

Ion	Ratio	Lower	Upper
94	100		
65	26.8	26.3	39.5
66	48.9	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
G9BQ4

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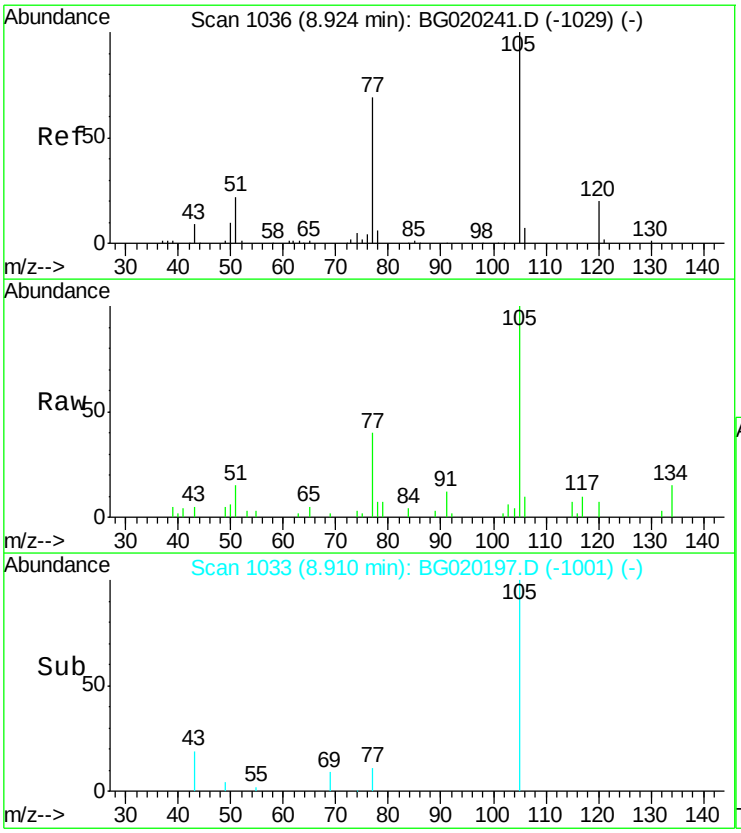
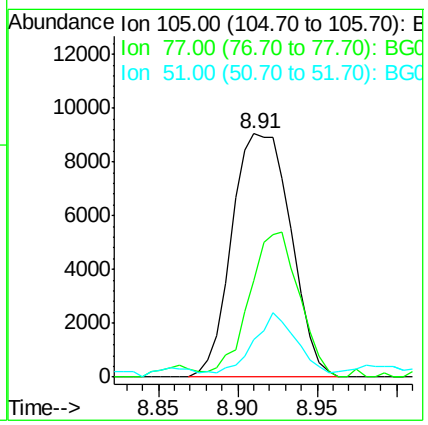
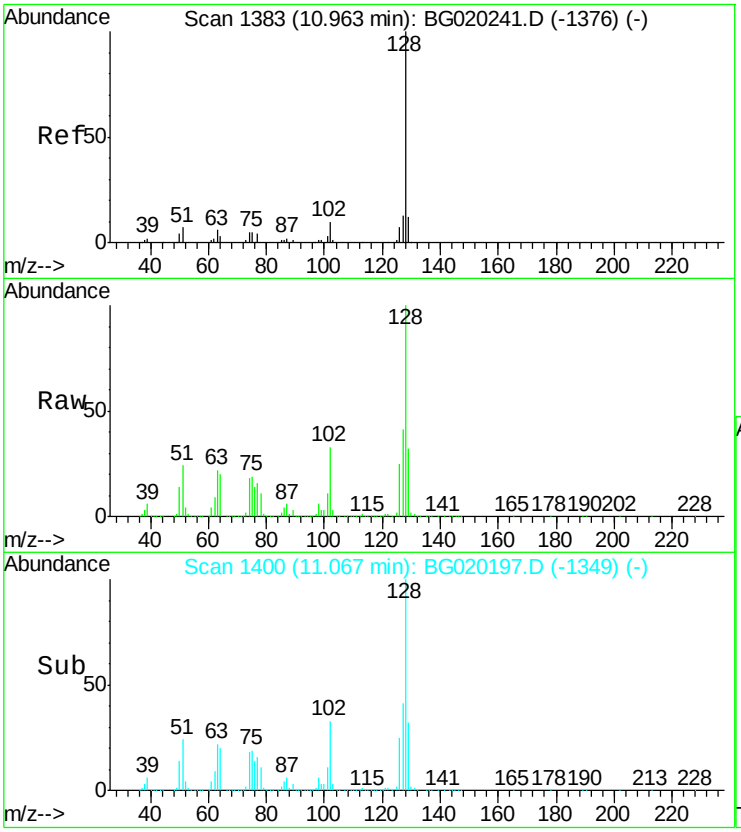


#14
Acetophenone
Concen: 8.36 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:105 Resp: 23318

Ion	Ratio	Lower	Upper
105	100		
77	39.7	65.2	97.8#
51	15.3	22.6	33.8#





#28
Naphthalene
Concen: 1901.46 ng/ul
RT: 11.07 min Scan# 1400
Delta R.T. 0.10 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:128 Resp: 9992991

Ion	Ratio	Lower	Upper
128	100		
129	32.4	8.6	12.8#
127	40.7	10.1	15.1#

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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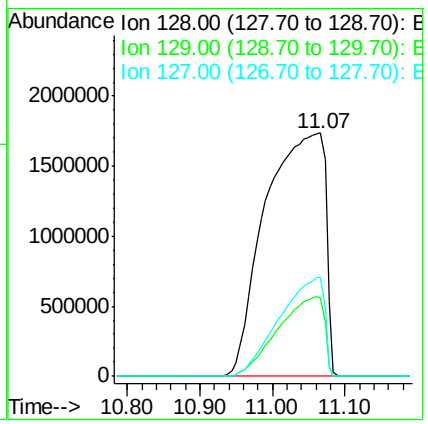
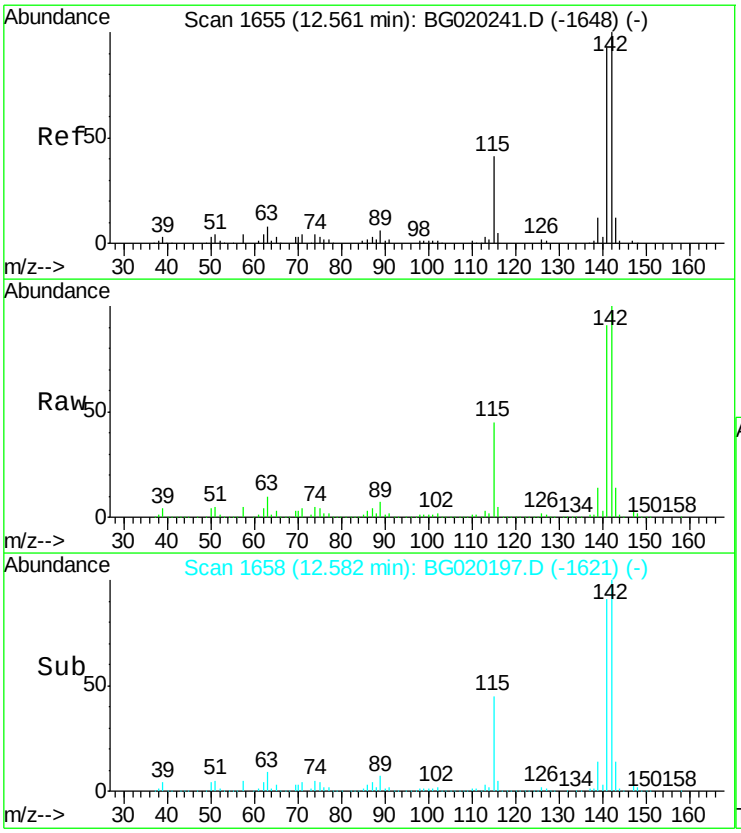
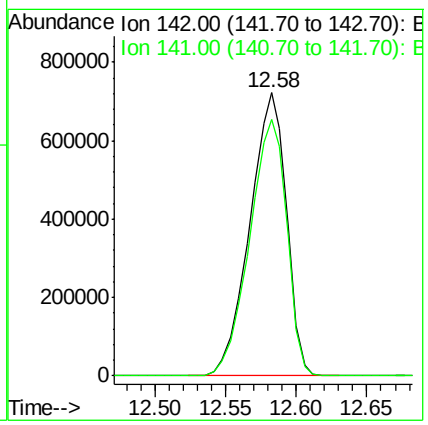


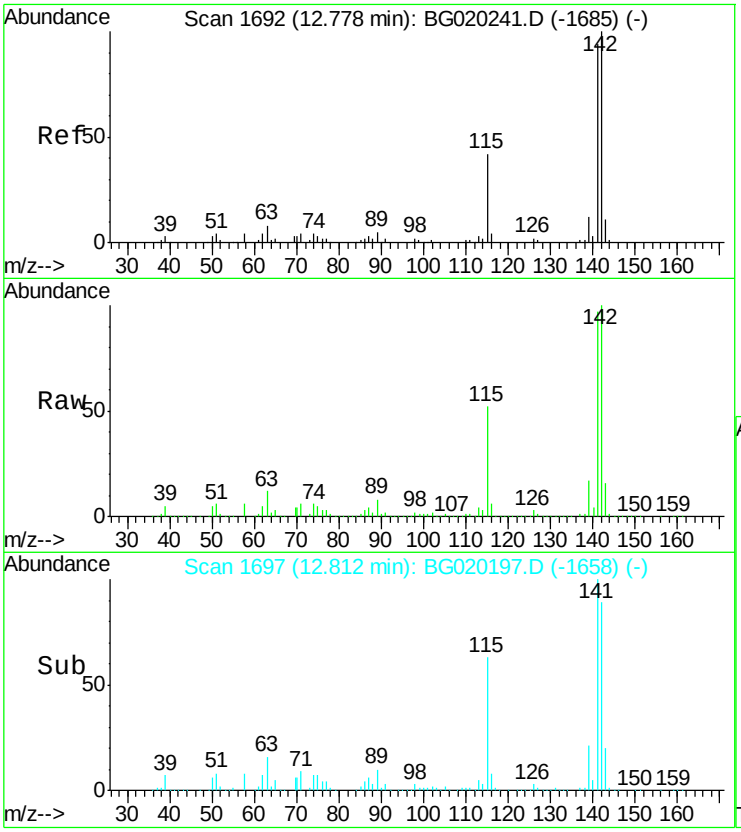


#34
2-Methylnaphthalene
Concen: 326.82 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:142 Resp: 1311948

Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.9	112.3





#35
1-Methylnaphthalene
Concen: 572.64 ng/ul
RT: 12.81 min Scan# 1697
Delta R.T. 0.03 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:142 Resp: 2209987

Ion	Ratio	Lower	Upper
142	100		
141	96.9	73.0	109.6
116	6.2	3.0	4.6#

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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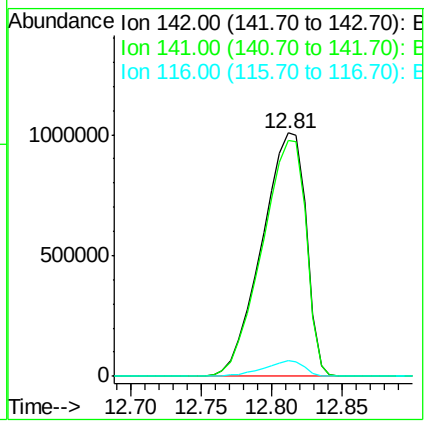
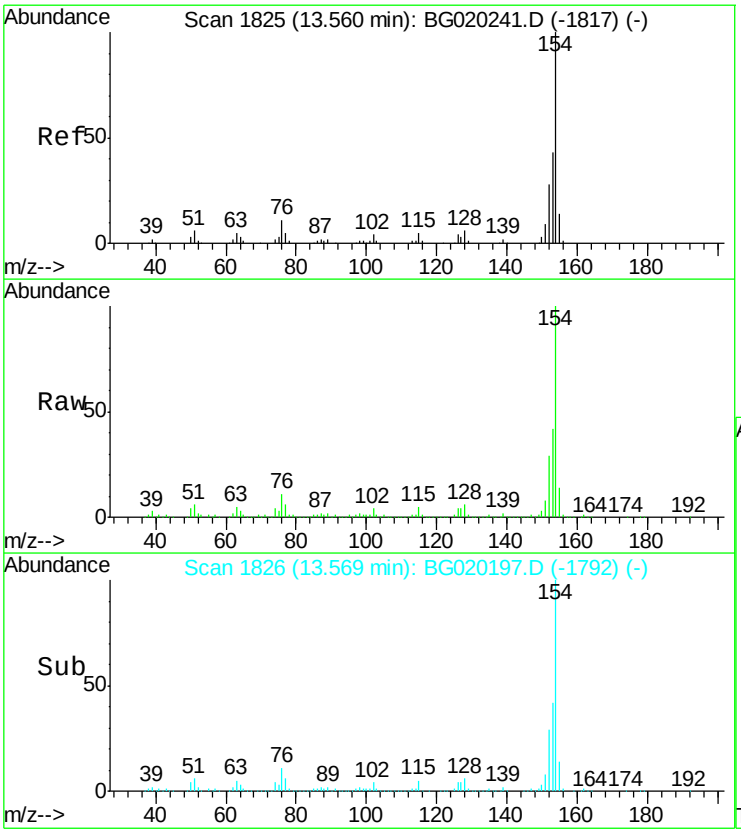
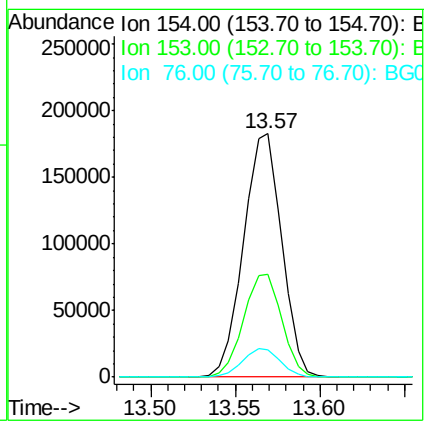


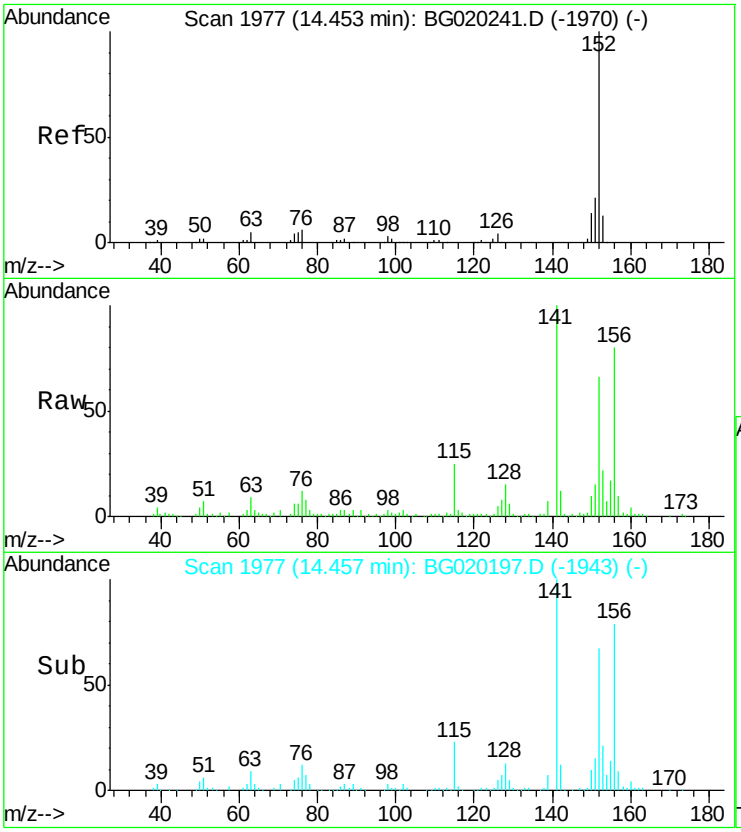


#41
1,1'-Biphenyl
Concen: 54.01 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:154 Resp: 287833

Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	11.0	10.4	15.6





#48
Acenaphthylene
Concen: 9.72 ng/ul
RT: 14.46 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:152 Resp: 68639

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.4	24.6
153	33.0	10.4	15.6#

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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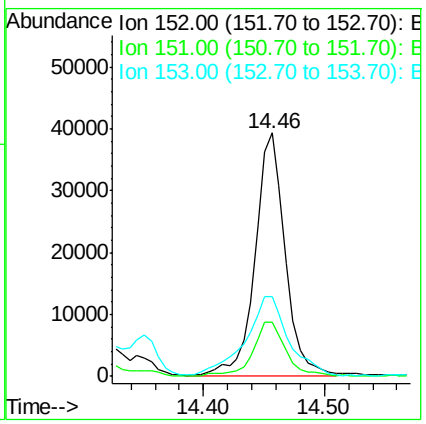
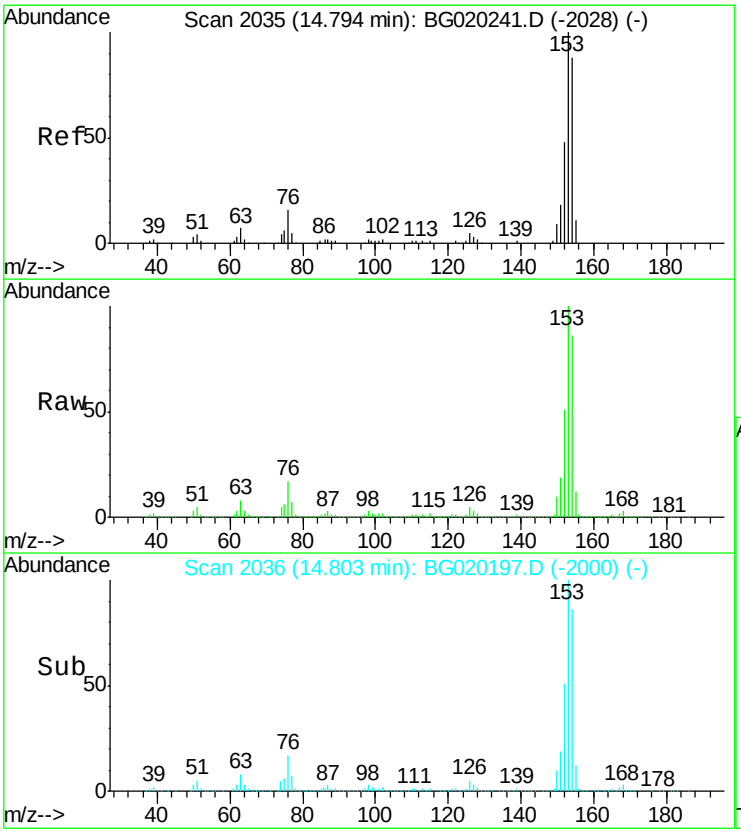
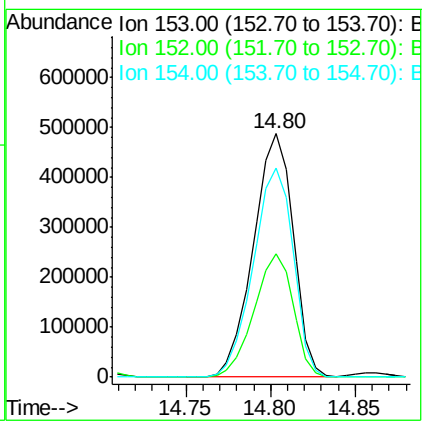


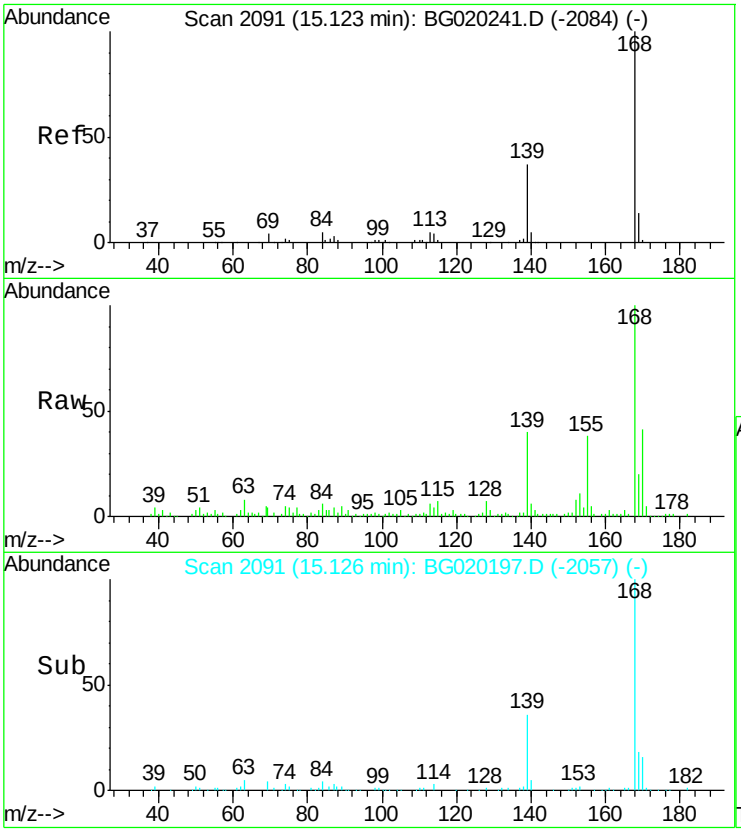


#50
Acenaphthene
Concen: 168.90 ng/ul
RT: 14.80 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:153 Resp: 802630

Ion	Ratio	Lower	Upper
153	100		
152	50.7	37.6	56.4
154	85.9	67.9	101.9





#54
Dibenzofuran
Concen: 11.85 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:168 Resp: 83775

Ion	Ratio	Lower	Upper
168	100		
139	40.1	30.5	45.7

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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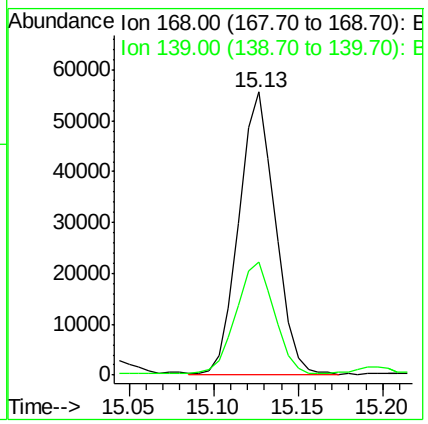
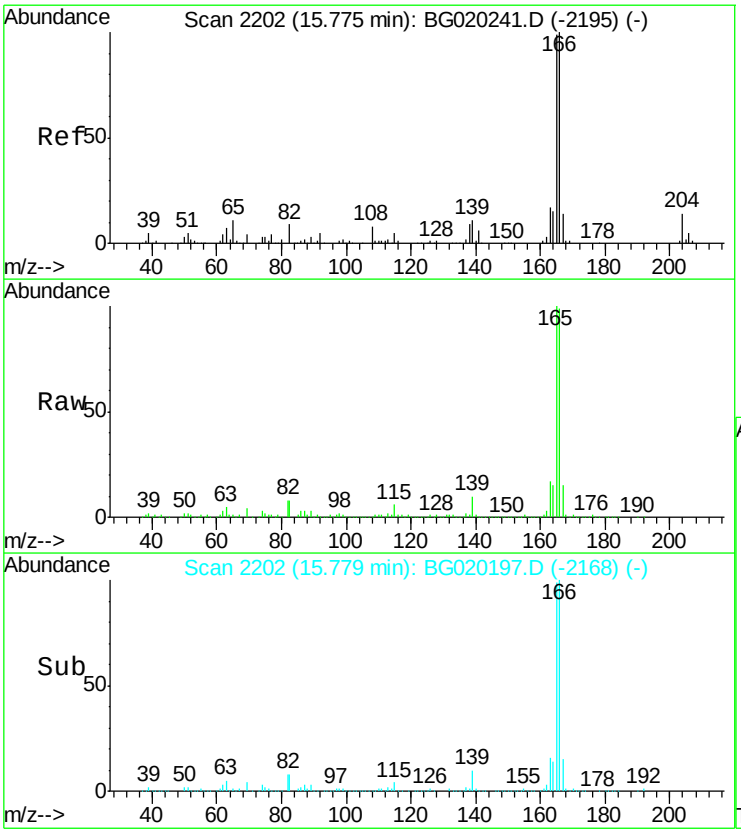
12/16/2015 5:45:22 PM

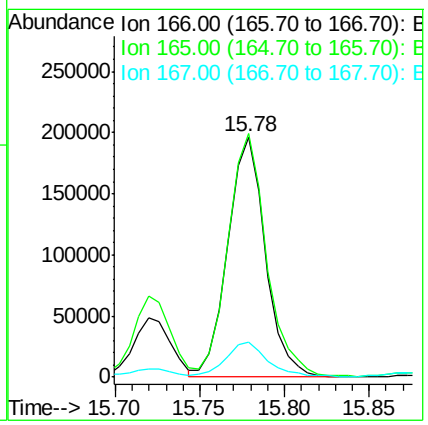


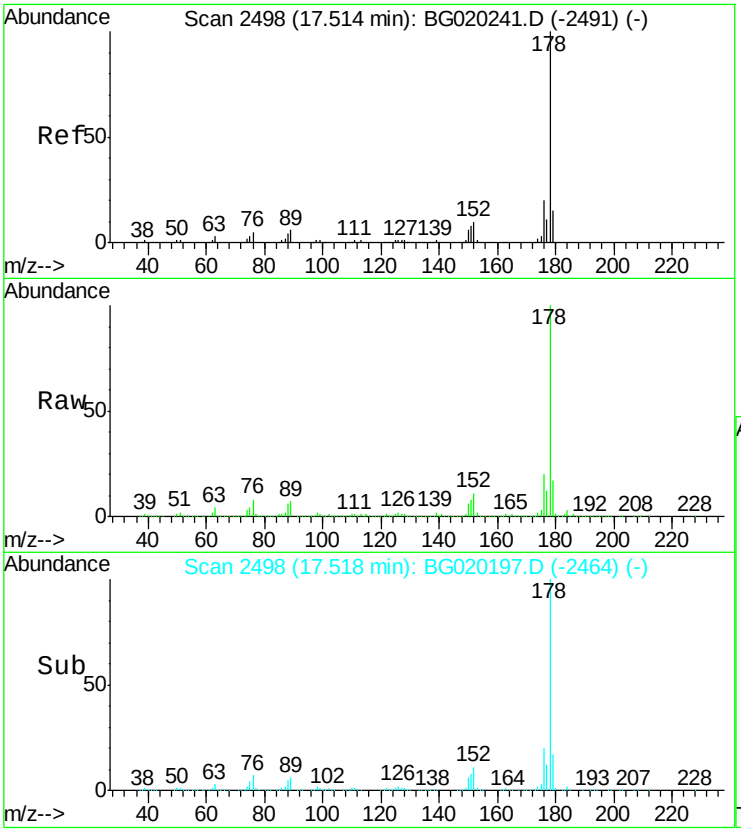


#59
Fluorene
Concen: 53.03 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:166 Resp: 301063

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.4	122.0
167	14.7	11.2	16.8

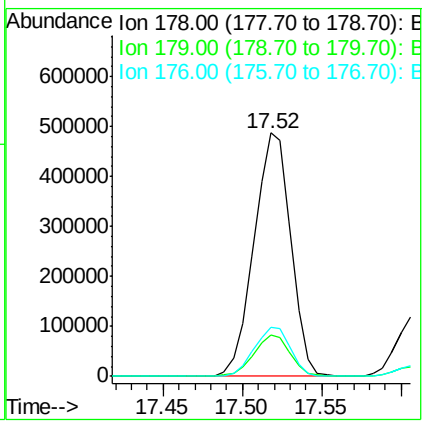




#70
Phenanthrene
Concen: 91.10 ng/ul
RT: 17.52 min Scan# 2498
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:178 Resp: 782906

Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.9	19.3
176	20.3	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
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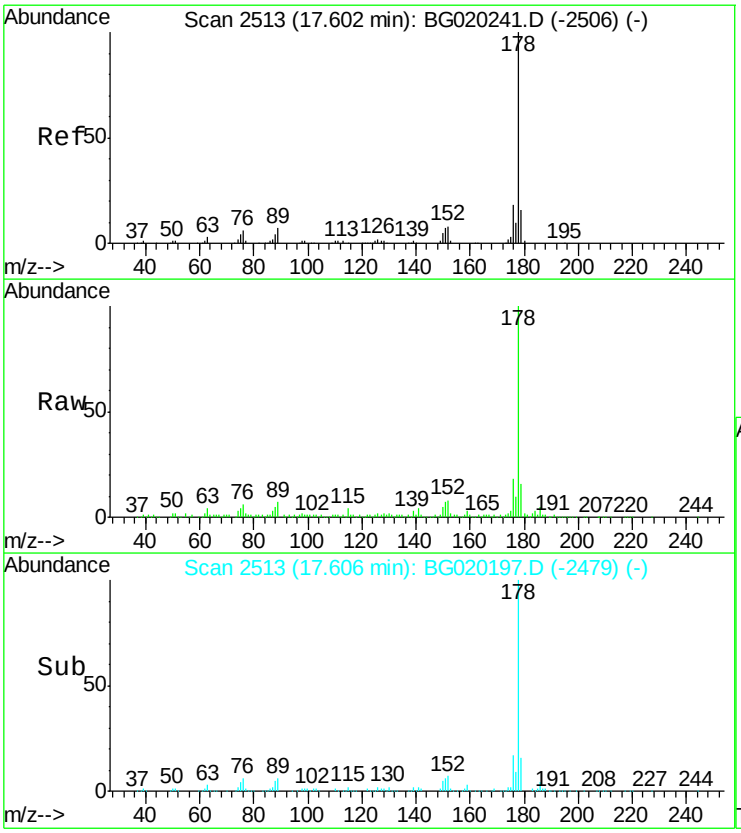
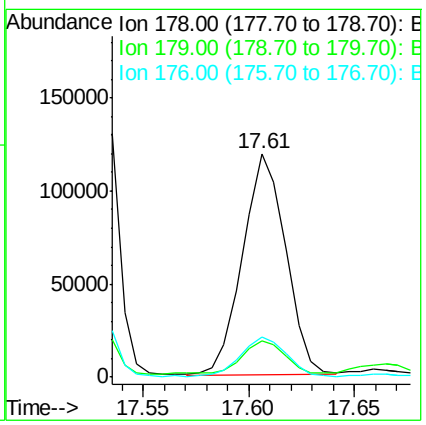
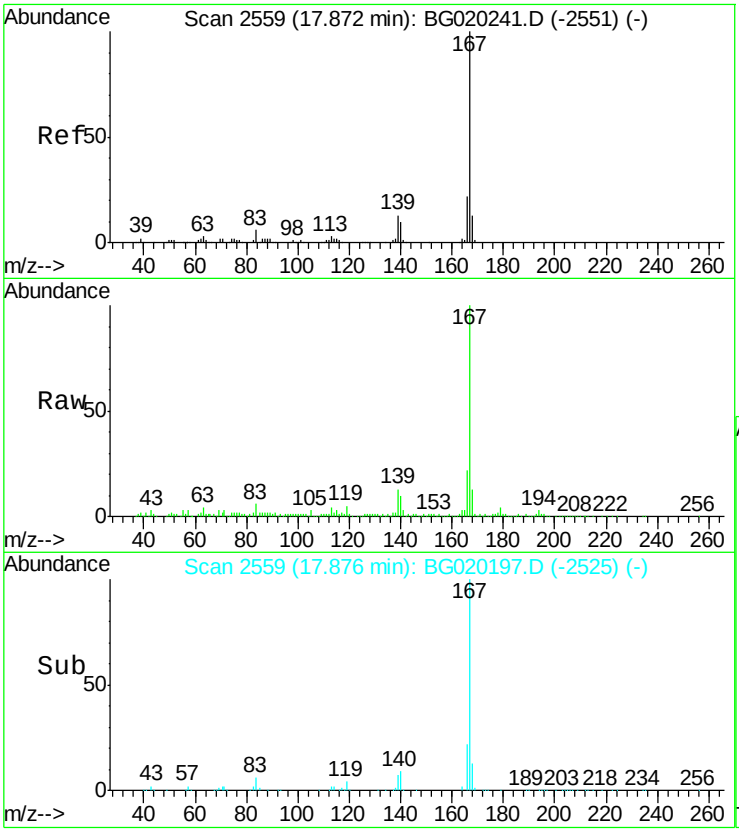


#72
Anthracene
Concen: 19.21 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:178 Resp: 167465

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	17.7	14.3	21.5

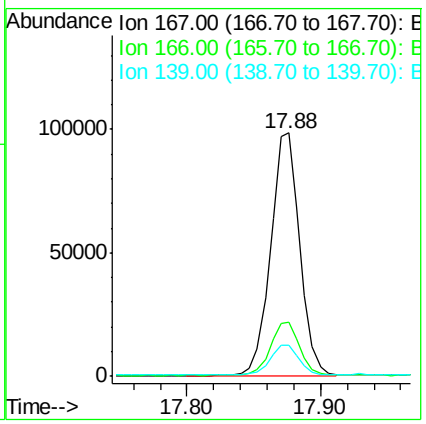




#75
Carbazole
Concen: 20.48 ng/ul
RT: 17.88 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:167 Resp: 149971

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.6
139	12.8	10.1	15.1



Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
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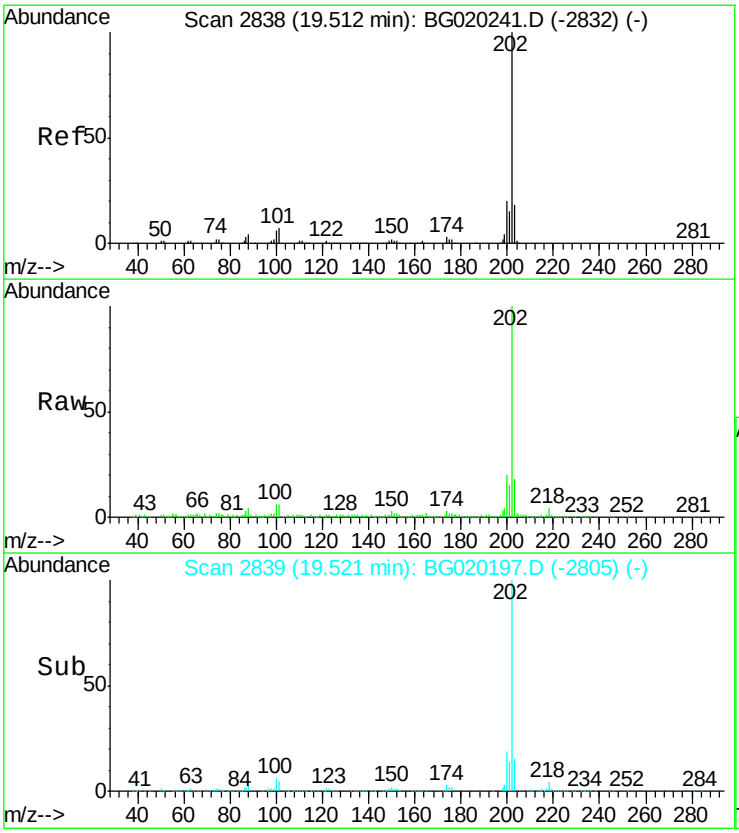
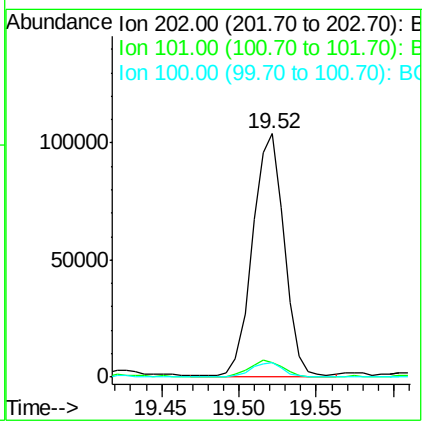
12/16/2015 5:45:22 PM

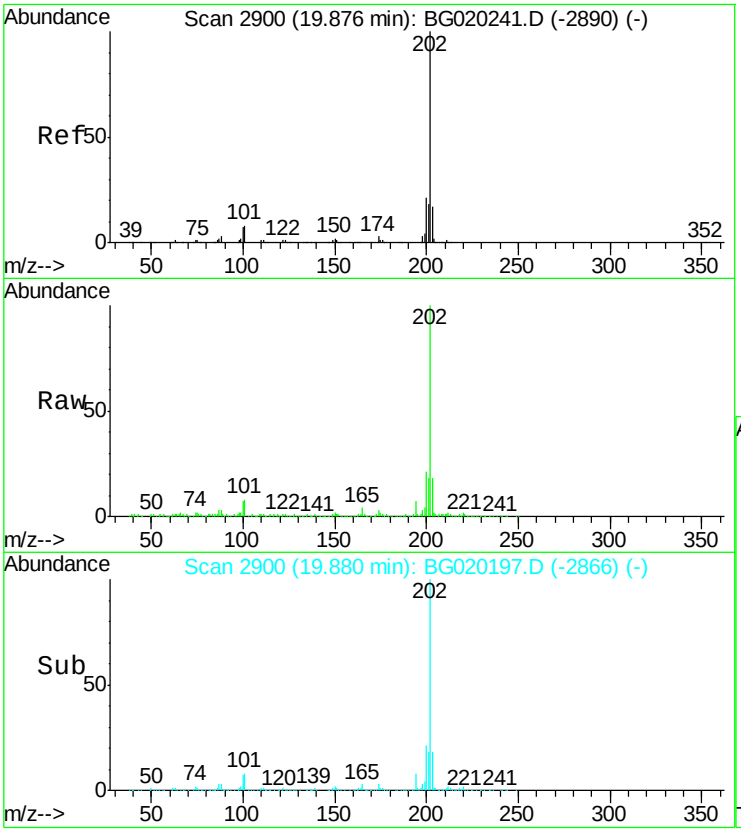


#77
Fluoranthene
Concen: 14.91 ng/ul m
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:202 Resp: 149755

Ion	Ratio	Lower	Upper
202	100		
101	6.1	6.2	9.4#
100	5.8	5.1	7.7





#80
Pyrene
Concen: 19.35 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:202 Resp: 213987

Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	7.0	6.4	9.6

Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
MMdadoda
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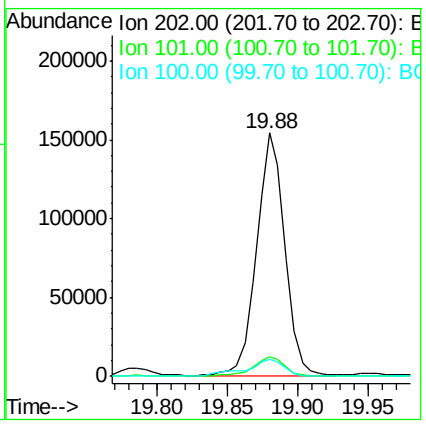
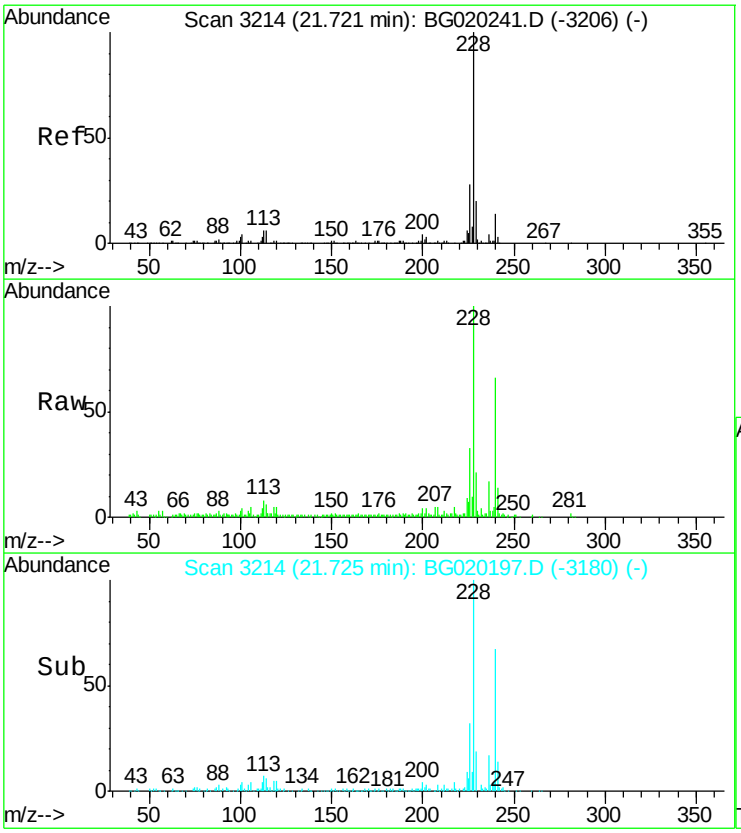
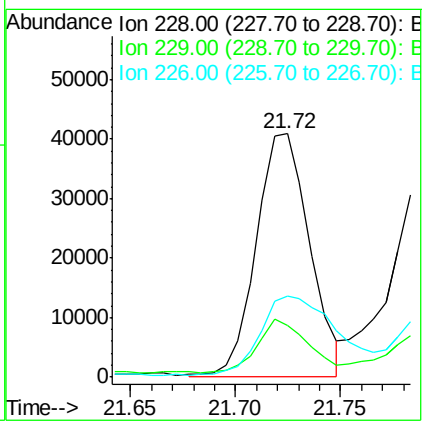


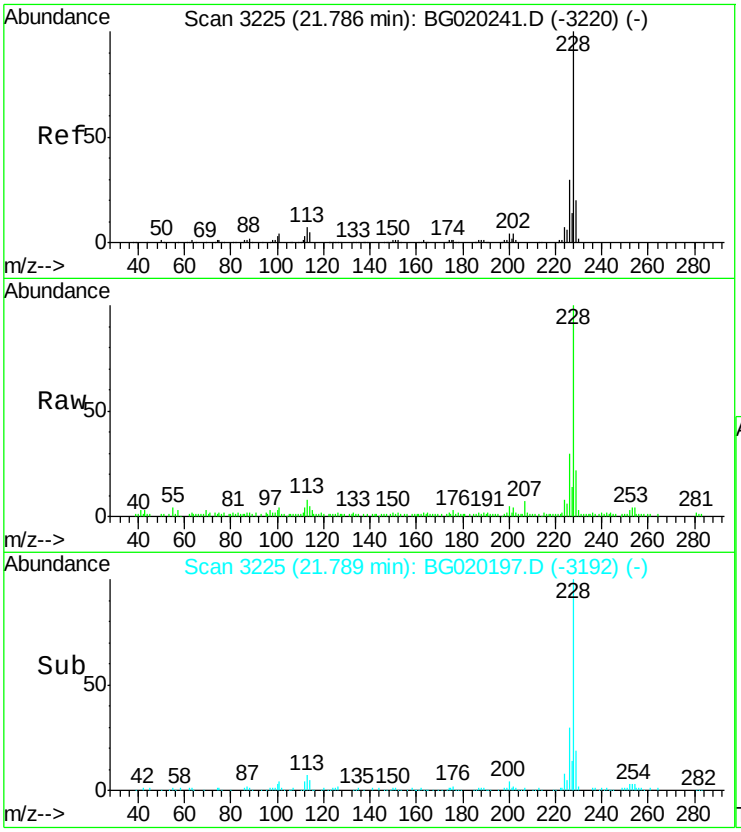


#83
Benzo(a)anthracene
Concen: 6.79 ng/ul m
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:228 Resp: 72414

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.8	23.8
226	33.3	21.8	32.6#

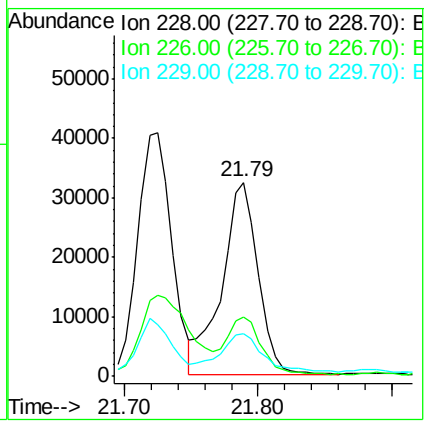




#85
Chrysene
Concen: 6.07 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:228 Resp: 60909

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	21.8	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
G9BQ4

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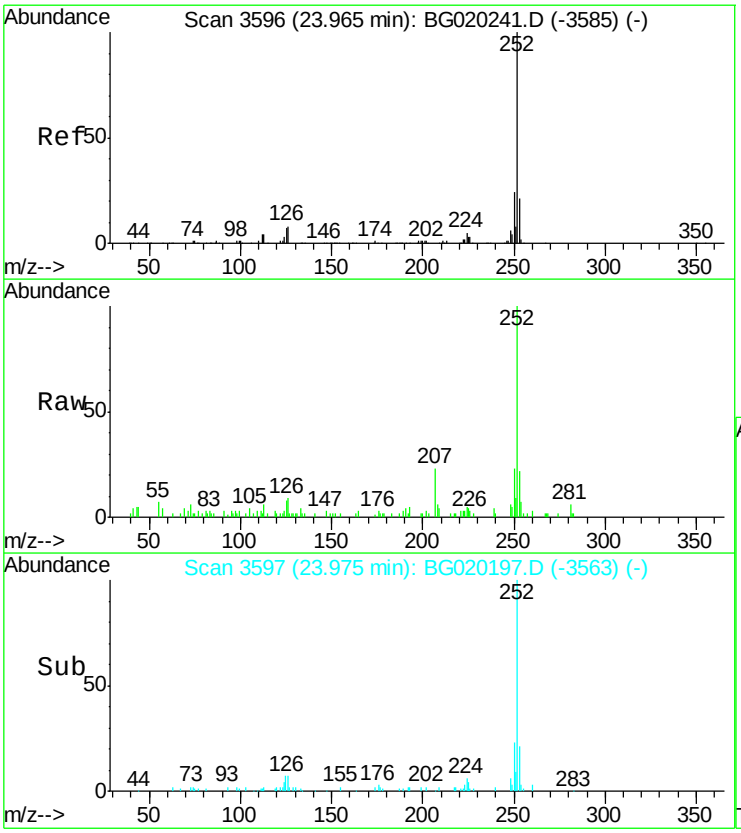
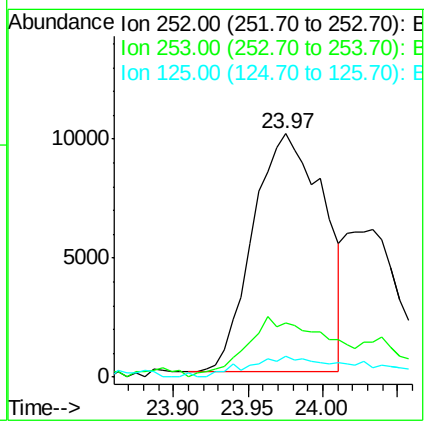
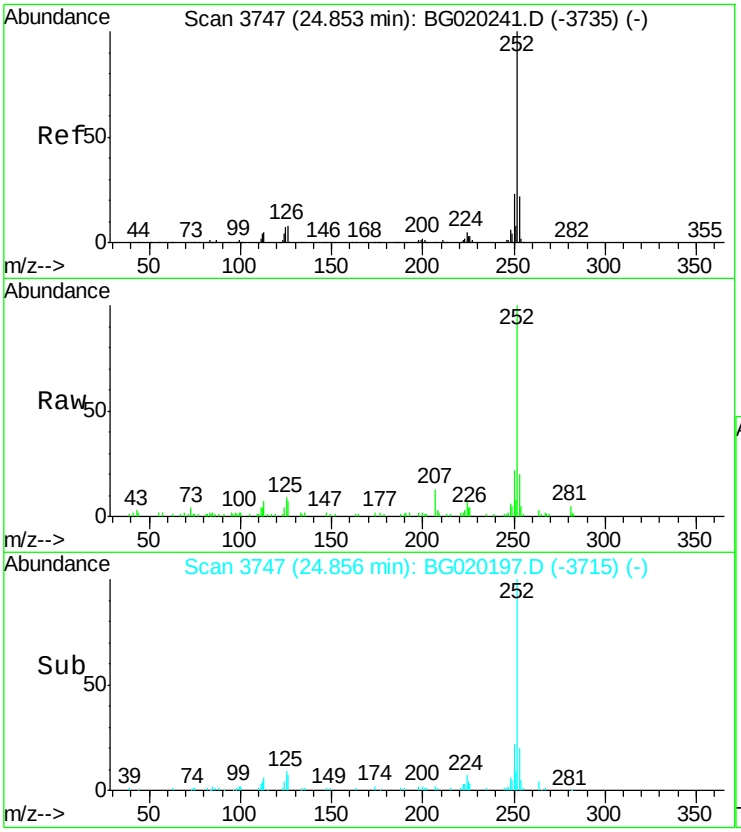


#88
Benzo(b)fluoranthene
Concen: 3.12 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.00 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:252 Resp: 32855

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.7	25.1
125	8.5	6.2	9.2

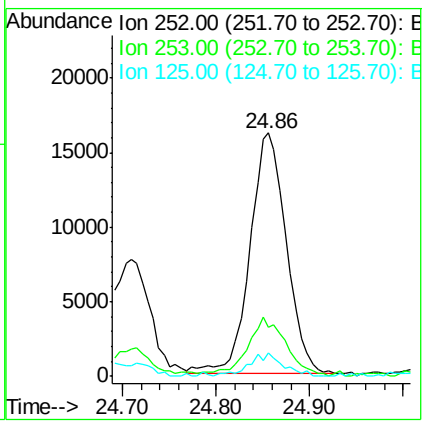




#91
Benzo(a)pyrene
Concen: 4.34 ng/ul m
RT: 24.86 min Scan# 3747
Delta R.T. -0.01 min
Lab File: BG020197.D
Acq: 15 Dec 2015 20:02

Tgt Ion:252 Resp: 43331

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.0	25.4
125	9.5	6.2	9.4#



Instrument :
BNA_G
ClientSampleId :
G9BQ4

Manual Integrations APPROVED
MMdadoda
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