Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101415\
Data File : BG019198.D
Acq On : 14 Oct 2015 3:14
Operator : UM/NP
Sample : G3996-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LJ0

Manual Integrations APPROVED
MMdadoda
10/14/2015 3:52:28 PM

Quant Time: Oct 14 14:52:06 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 14 04:49:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	20389	20.00	ng/ul	0.00
18) Naphthalene-d8	10.84	136	91464m	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	60197m	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	136066m	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	158962m	20.00	ng/ul	0.00
86) Perylene-d12	24.91	264	158636m	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	772	1.71	ng/uL	0.00
5) Phenol-d5	7.19	99	22751	12.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	15203	13.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	17797	13.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	19465	14.09	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	10278	14.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.91	143	10465	14.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	20248	14.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	27987m	16.12	ng/ul	0.01
44) Dimethylphthalate-d6	14.06	166	70689m	14.89	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	81628m	13.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.86	143	13373m	13.95	ng/ul	0.00
58) Fluorene-d10	15.65	176	69049m	16.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	11160m	15.12	ng/ul	0.00
71) Anthracene-d10	17.51	188	94484m	14.75	ng/ul	0.00
79) Pyrene-d10	19.79	212	94647m	12.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.69	264	112806m	13.90	ng/ul	0.00
Target Compounds						Qvalue
16) 4-Methylphenol	8.80	108	1575	1.03	ng/ul	96
24) 2,4-Dimethylphenol	10.04	107	10176m	5.87	ng/ul	
28) Naphthalene	10.89	128	246091	51.96	ng/ul	99
34) 2-Methylnaphthalene	12.49	142	149859m	42.25	ng/ul	
41) 1,1'-Biphenyl	13.49	154	49701m	10.13	ng/ul	
45) Dimethylphthalate	14.11	163	12305m	2.54	ng/ul	
48) Acenaphthylene	14.39	152	9985m	1.59	ng/ul	
50) Acenaphthene	14.73	153	17116m	4.01	ng/ul	
54) Dibenzofuran	15.06	168	82305m	14.18	ng/ul	
59) Fluorene	15.71	166	57938m	11.85	ng/ul	
70) Phenanthrene	17.45	178	119045m	15.53	ng/ul	
72) Anthracene	17.54	178	29634m	3.83	ng/ul	
77) Fluoranthene	19.46	202	44325m	4.97	ng/ul	
80) Pyrene	19.82	202	51829m	5.42	ng/ul	
83) Benzo(a)anthracene	21.66	228	12267m	1.34	ng/ul	
85) Chrysene	21.72	228	14206m	1.64	ng/ul	

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 14 14:52:06 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 14 04:49:14 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
E5LJ0

Manual Integrations APPROVED
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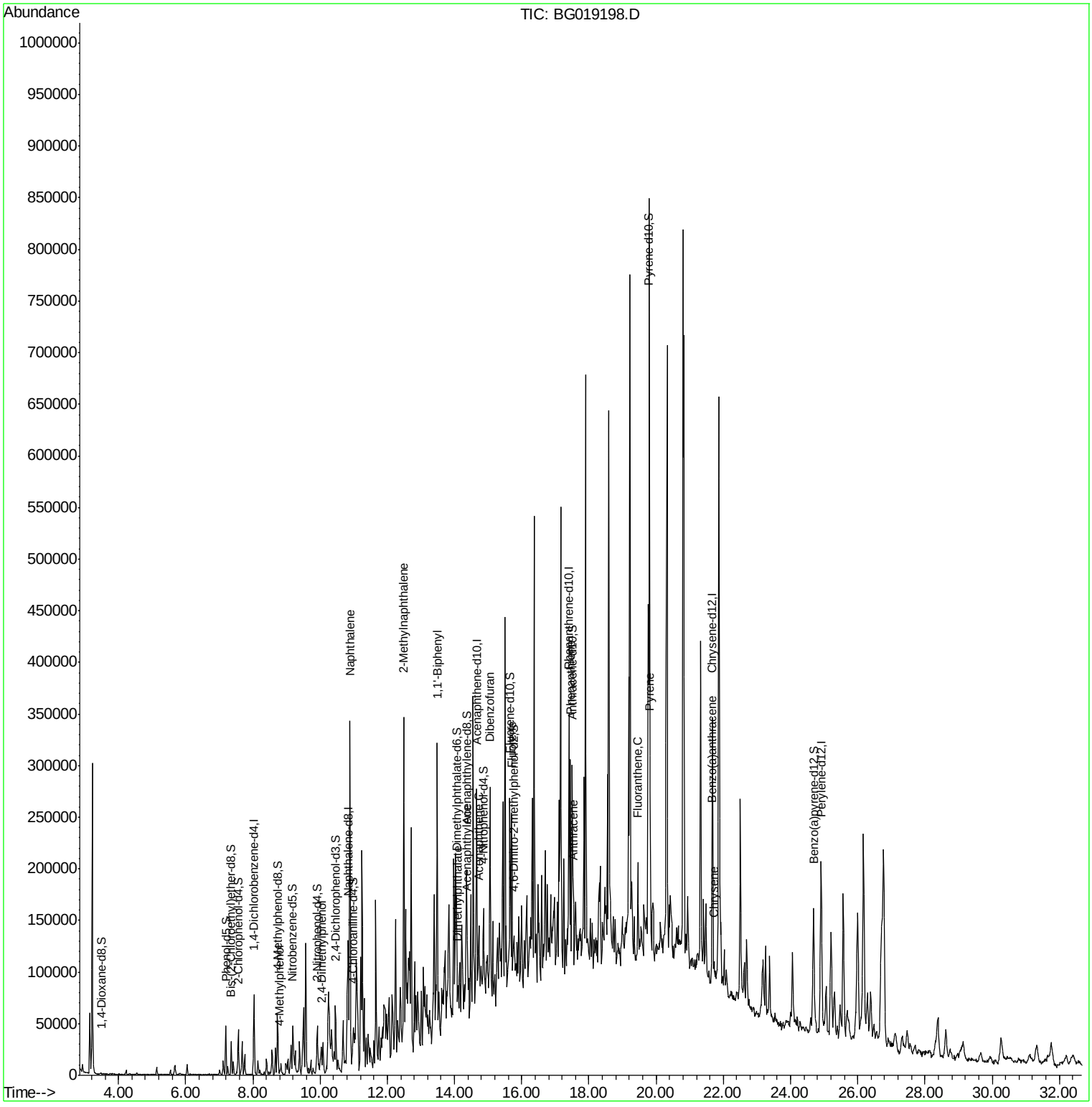
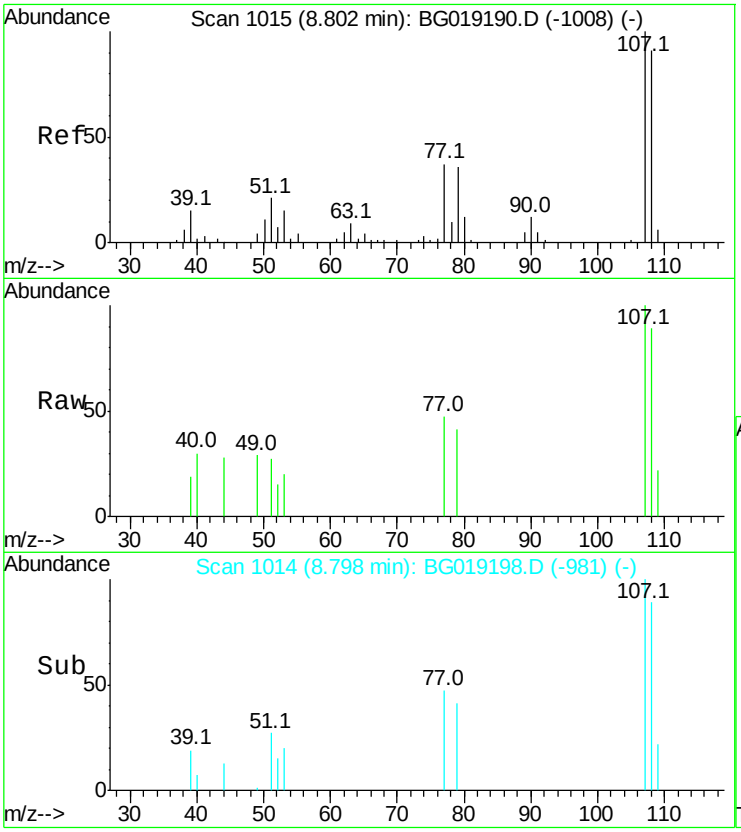
10/14/2015 3:52:28 PM

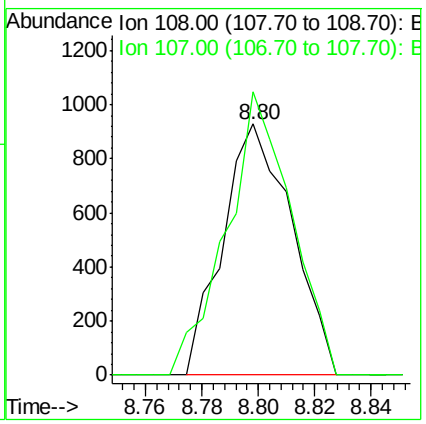




#16
4-Methylphenol
Concen: 1.03 ng/ul
RT: 8.80 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

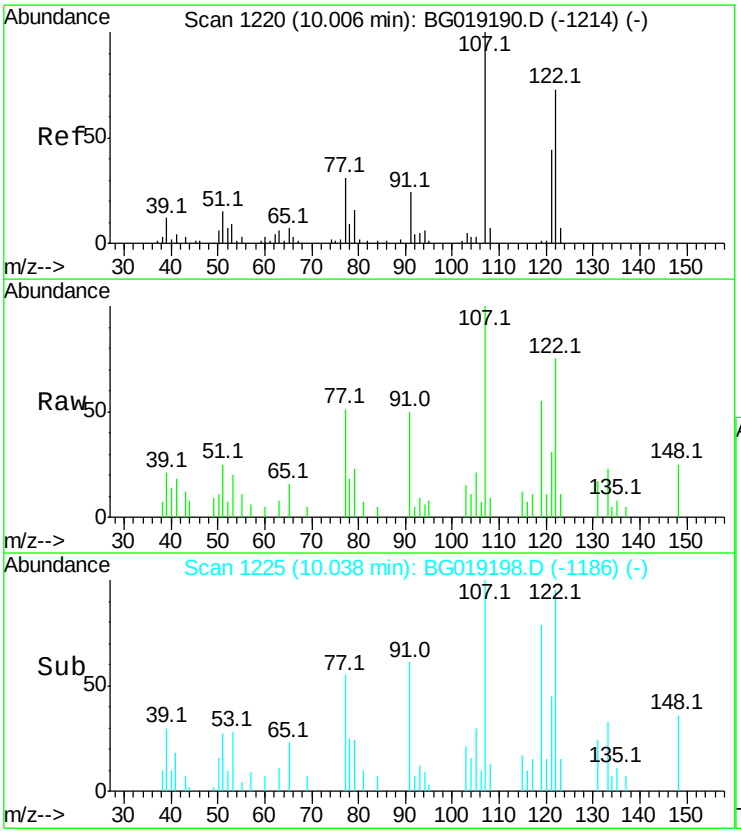
Tgt Ion:108 Resp: 1575

Ion	Ratio	Lower	Upper
108	100		
107	112.7	86.6	130.0



Instrument :
BNA_G
ClientSampleId :
E5LJ0

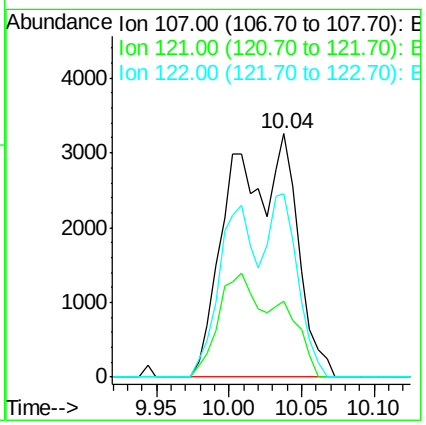
Manual Integrations APPROVED
MMdadoda
10/14/2015 3:52:28 PM

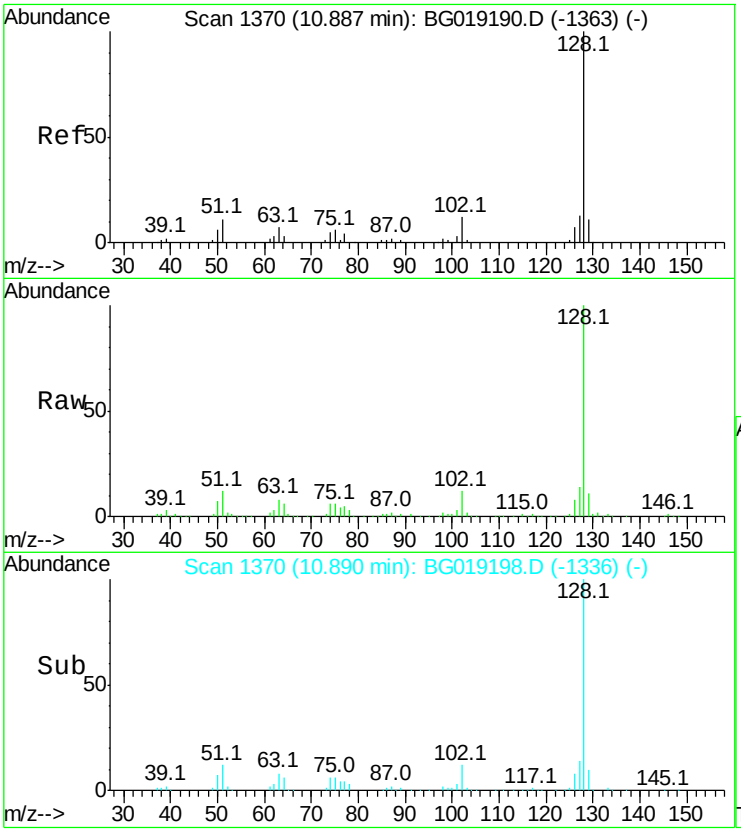


#24
2,4-Dimethylphenol
Concen: 5.87 ng/ul m
RT: 10.04 min Scan# 1225
Delta R.T. 0.03 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:107 Resp: 10176

Ion	Ratio	Lower	Upper
107	100		
121	31.0	37.2	55.8#
122	75.1	67.6	101.4

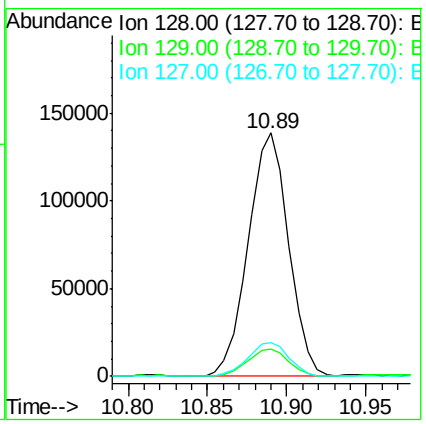




#28
Naphthalene
Concen: 51.96 ng/ul
RT: 10.89 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:128 Resp: 246091

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.6	14.4
127	14.1	11.3	16.9



Instrument :
BNA_G
ClientSampleId :
E5LJ0

Manual Integrations APPROVED
MMdadoda
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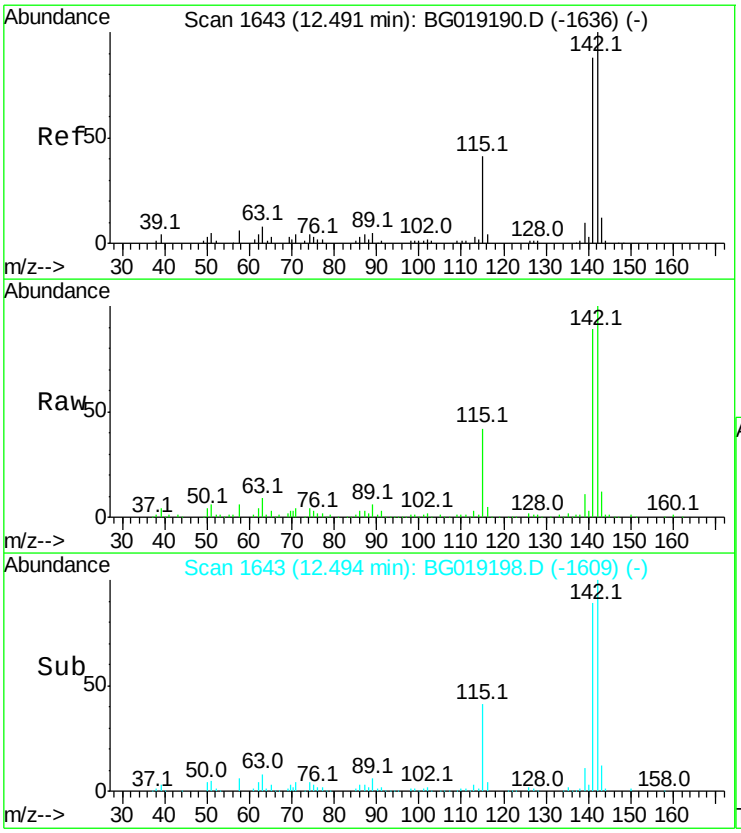
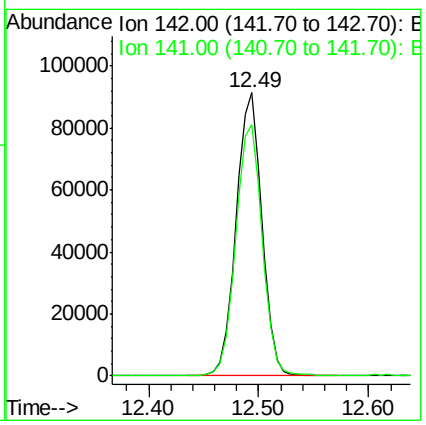
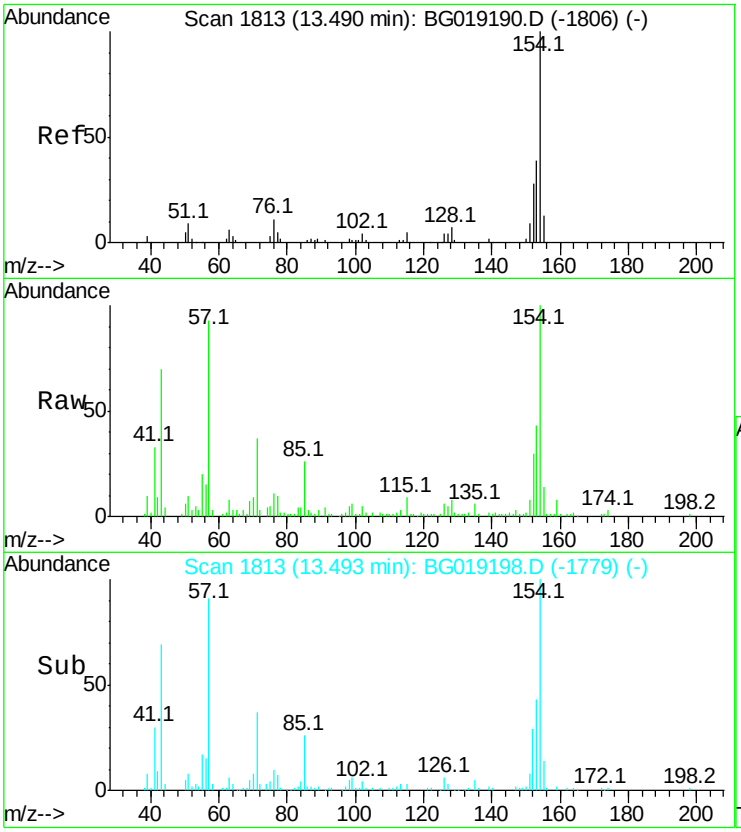


#34
2-Methylnaphthalene
Concen: 42.25 ng/ul m
RT: 12.49 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:142 Resp: 149859

Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.4	110.0

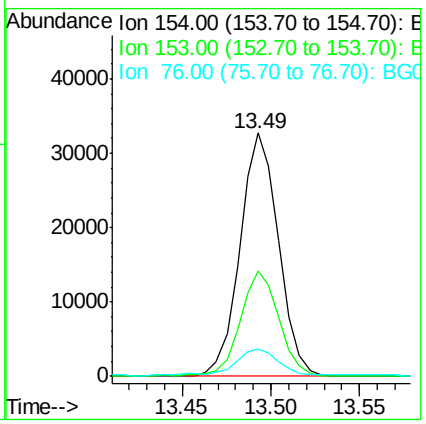




#41
1,1'-Biphenyl
Concen: 10.13 ng/ul m
RT: 13.49 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:154 Resp: 49701

Ion	Ratio	Lower	Upper
154	100		
153	43.4	31.4	47.0
76	11.1	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
E5LJ0

Manual Integrations APPROVED
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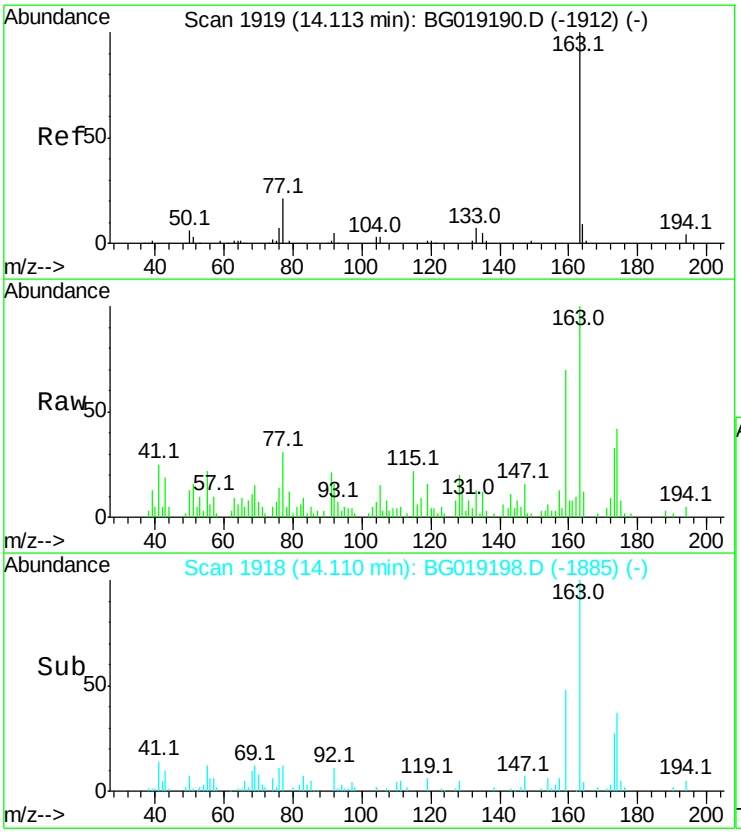
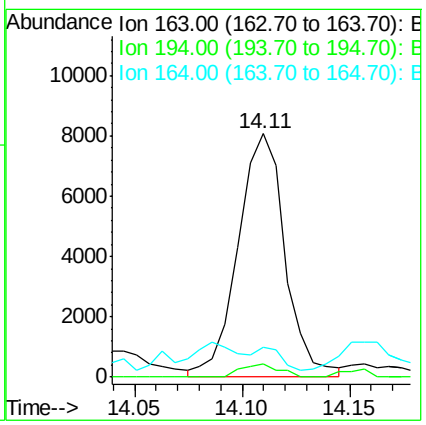
10/14/2015 3:52:28 PM

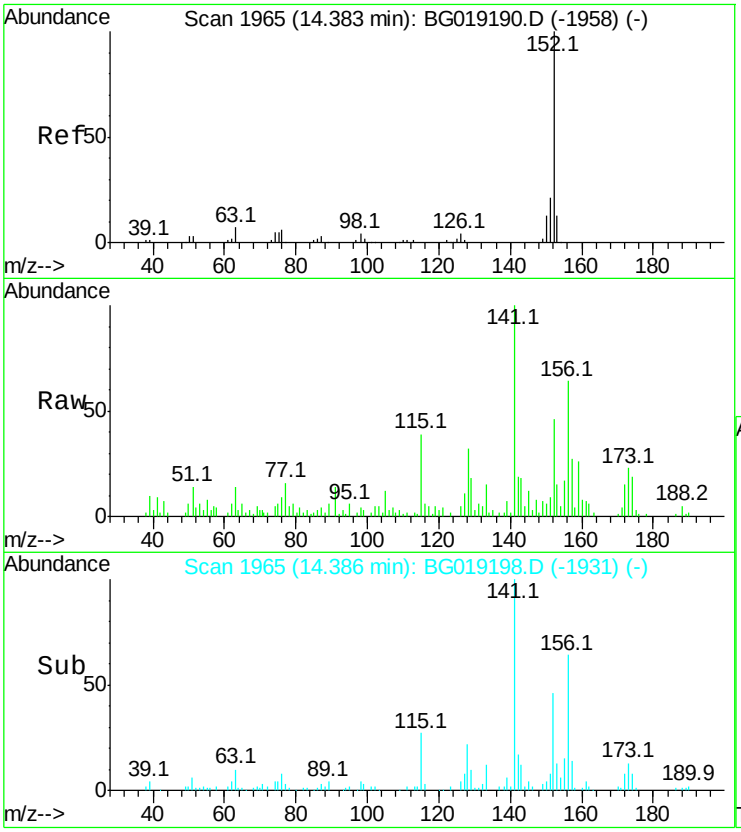


#45
Dimethylphthalate
Concen: 2.54 ng/ul m
RT: 14.11 min Scan# 1918
Delta R.T. -0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:163 Resp: 12305

Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.3	4.9#
164	12.1	8.1	12.1





#48
Acenaphthylene
Concen: 1.59 ng/ul m
RT: 14.39 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:152 Resp: 9985

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	31.8	10.5	15.7#

Instrument :
BNA_G
ClientSampleId :
E5LJ0

Manual Integrations APPROVED
MMdadoda
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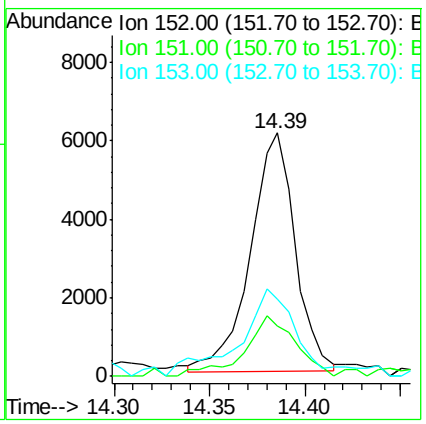
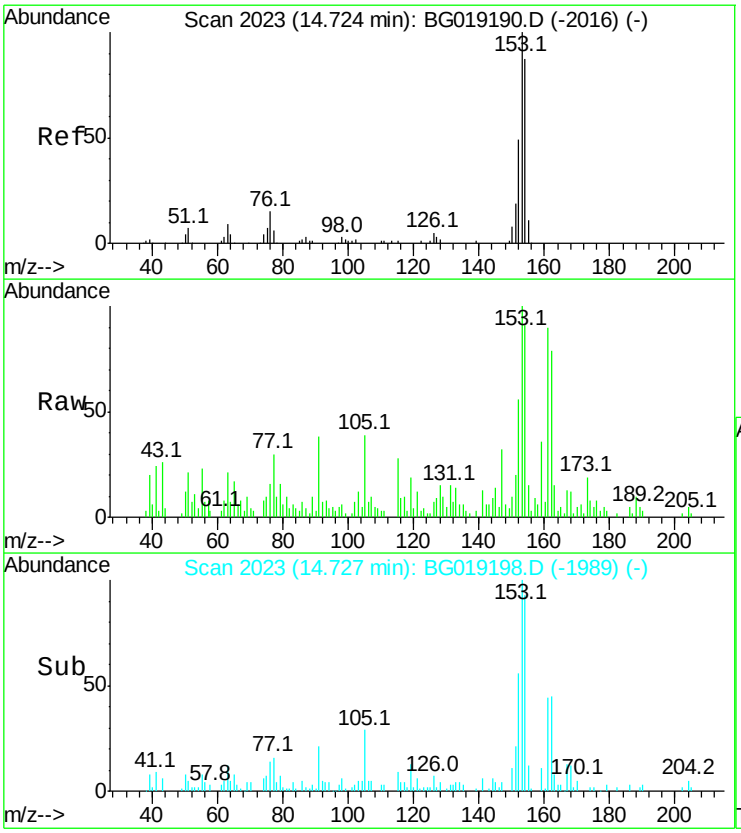
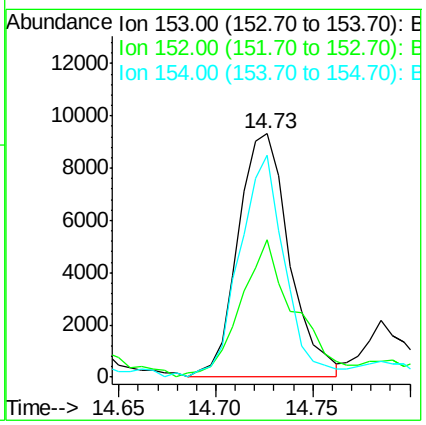


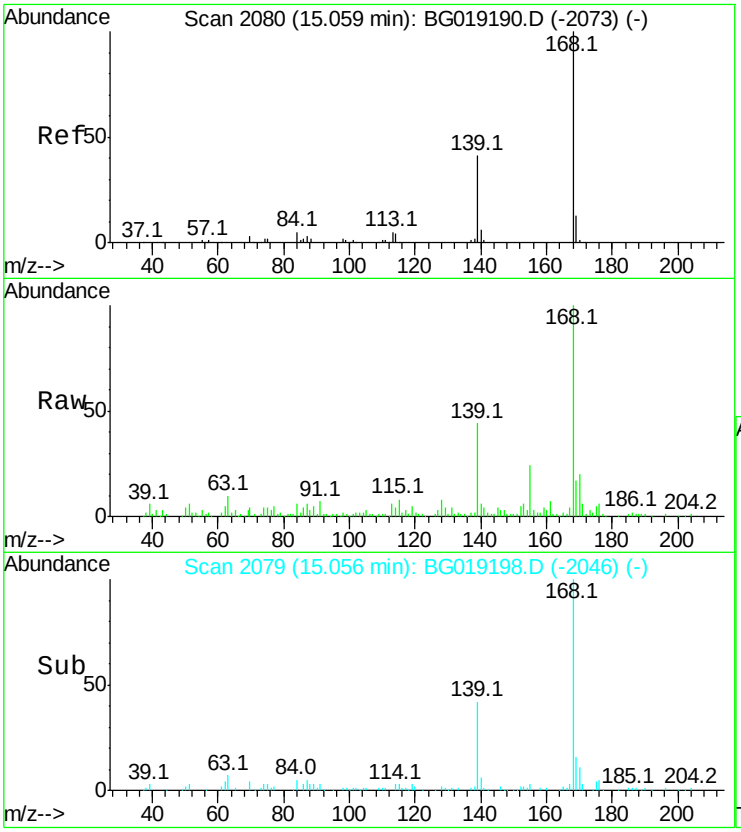


#50
Acenaphthene
Concen: 4.01 ng/ul m
RT: 14.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:153 Resp: 17116

Ion	Ratio	Lower	Upper
153	100		
152	56.4	36.2	54.2#
154	91.4	67.5	101.3





#54
Dibenzofuran
Concen: 14.18 ng/ul m
RT: 15.06 min Scan# 2079
Delta R.T. -0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:168 Resp: 82305

Ion	Ratio	Lower	Upper
168	100		
139	44.3	28.5	42.7#

Instrument :
BNA_G
ClientSampleId :
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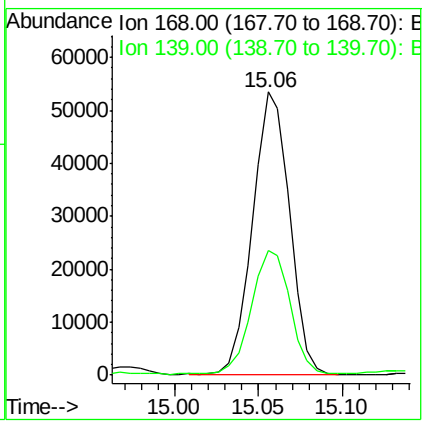
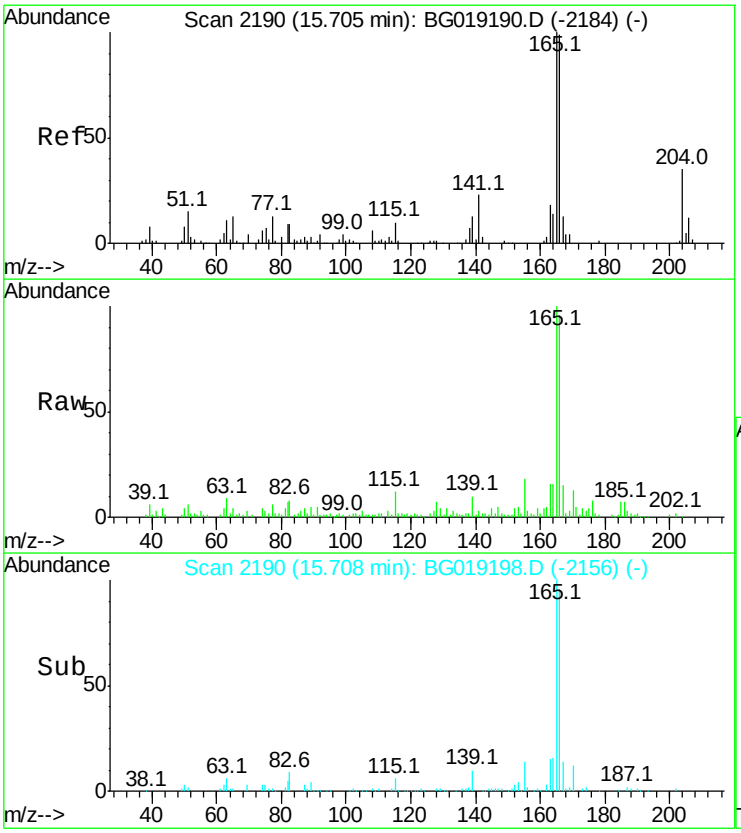
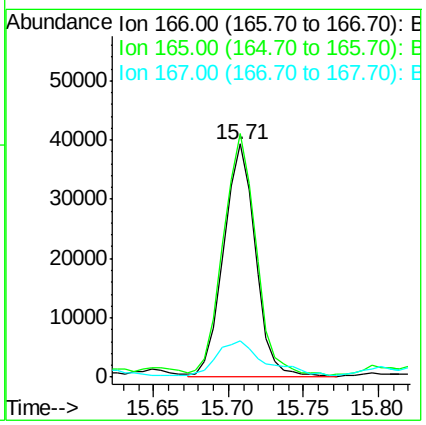


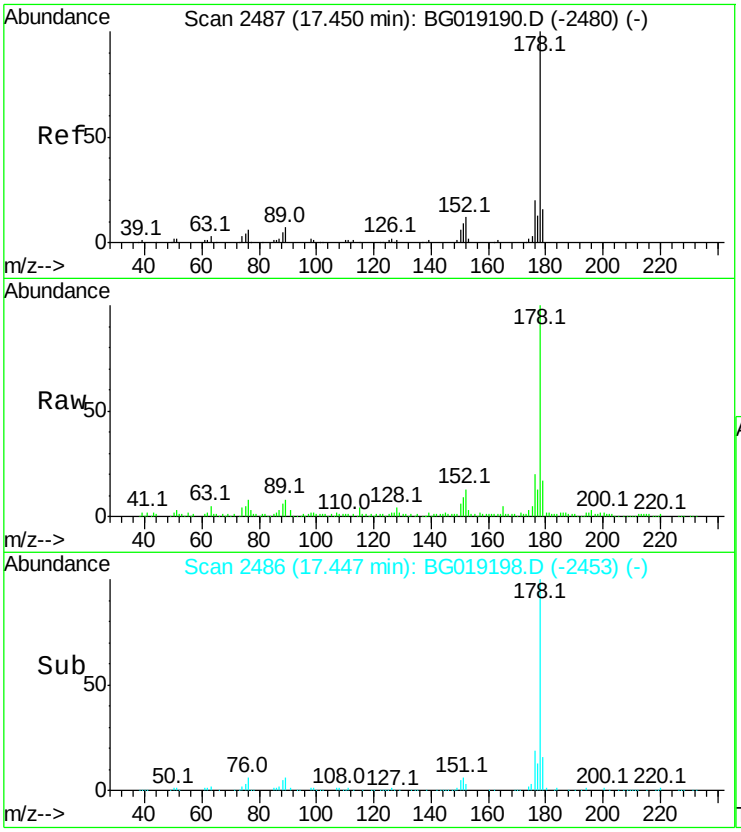


#59
Fluorene
Concen: 11.85 ng/ul m
RT: 15.71 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:166 Resp: 57938

Ion	Ratio	Lower	Upper
166	100		
165	104.4	77.7	116.5
167	15.4	10.4	15.6

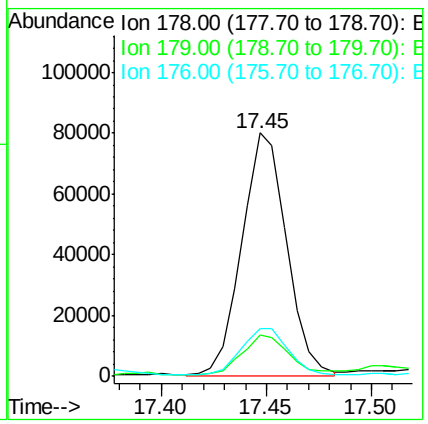




#70
Phenanthrene
Concen: 15.53 ng/ul m
RT: 17.45 min Scan# 2486
Delta R.T. -0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:178 Resp: 119045

Ion	Ratio	Lower	Upper
178	100		
179	17.2	12.5	18.7
176	19.6	15.4	23.0



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Manual Integrations APPROVED
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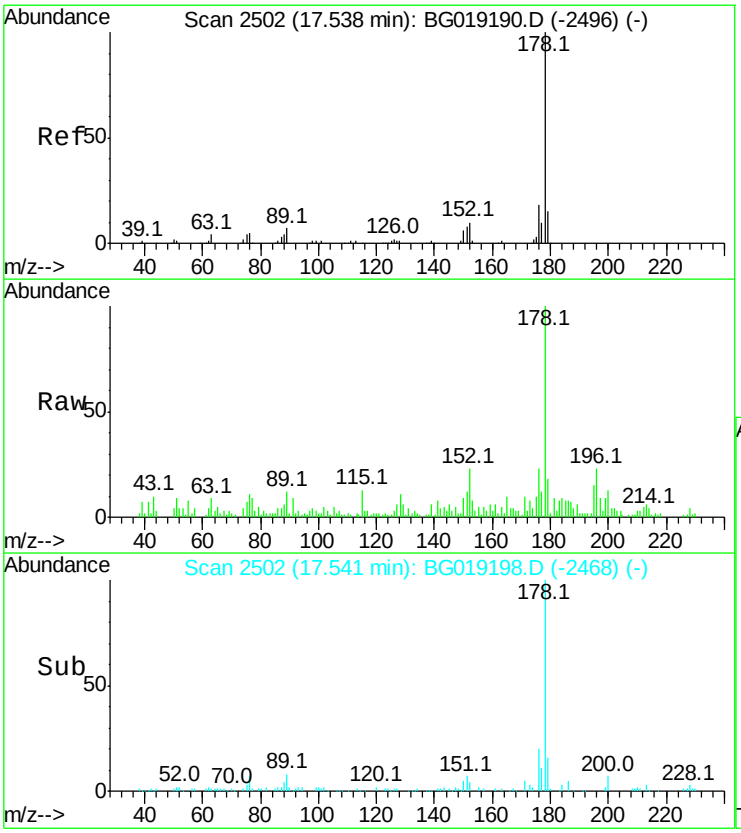
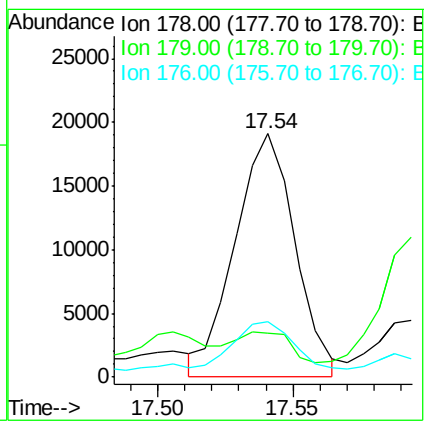
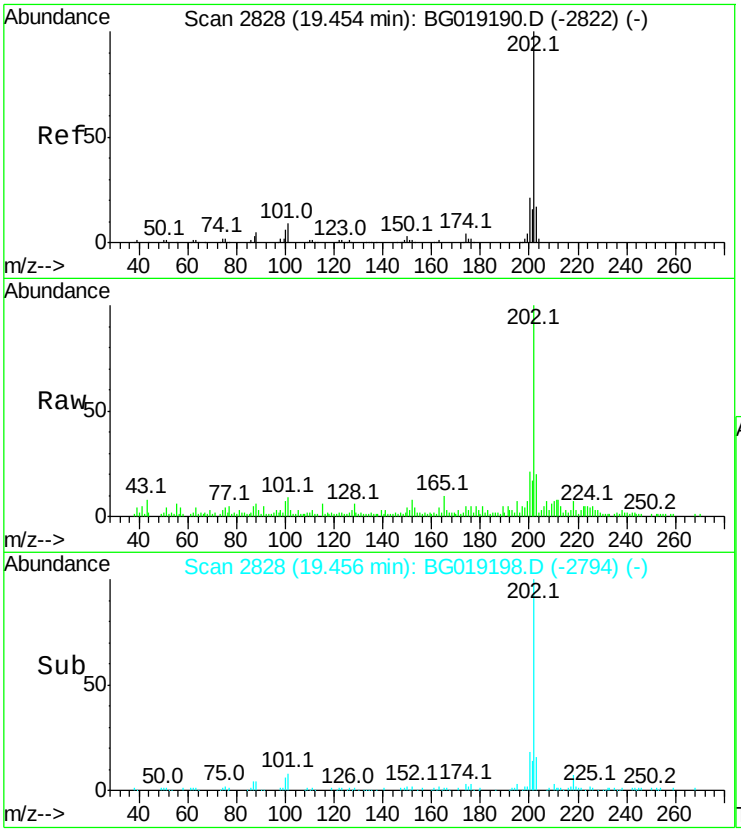


#72
Anthracene
Concen: 3.83 ng/ul m
RT: 17.54 min Scan# 2502
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:178 Resp: 29634

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.2	18.4
176	23.0	15.0	22.6#





#77
Fluoranthene
Concen: 4.97 ng/ul m
RT: 19.46 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:202 Resp: 44325

Ion	Ratio	Lower	Upper
202	100		
101	8.9	9.0	13.4#
100	6.7	6.9	10.3#

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
MMdadoda
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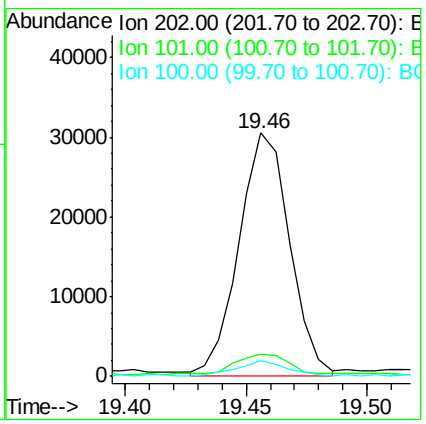
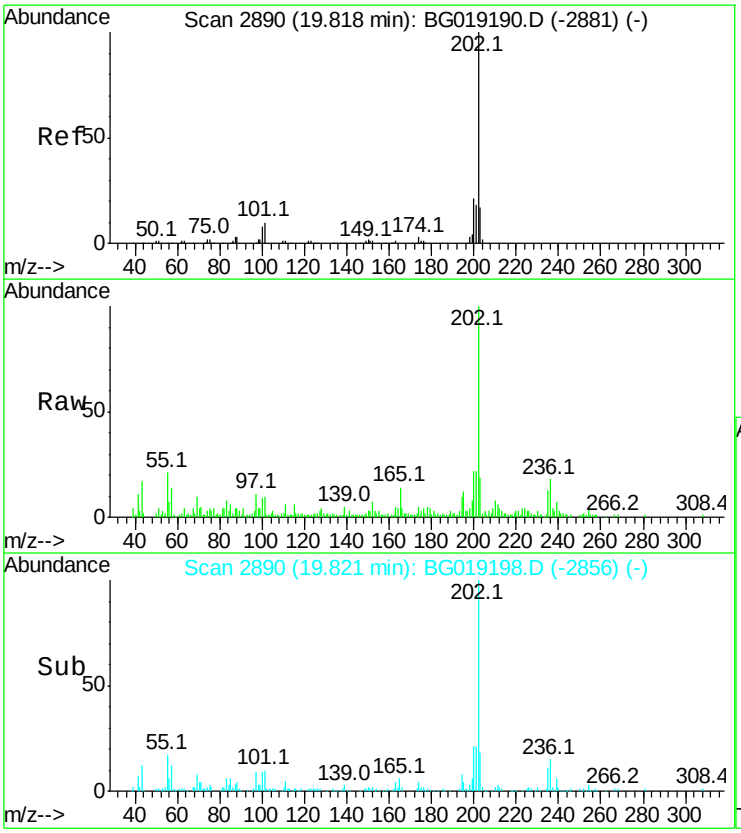
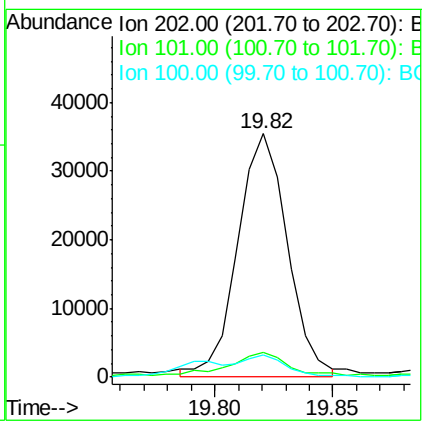


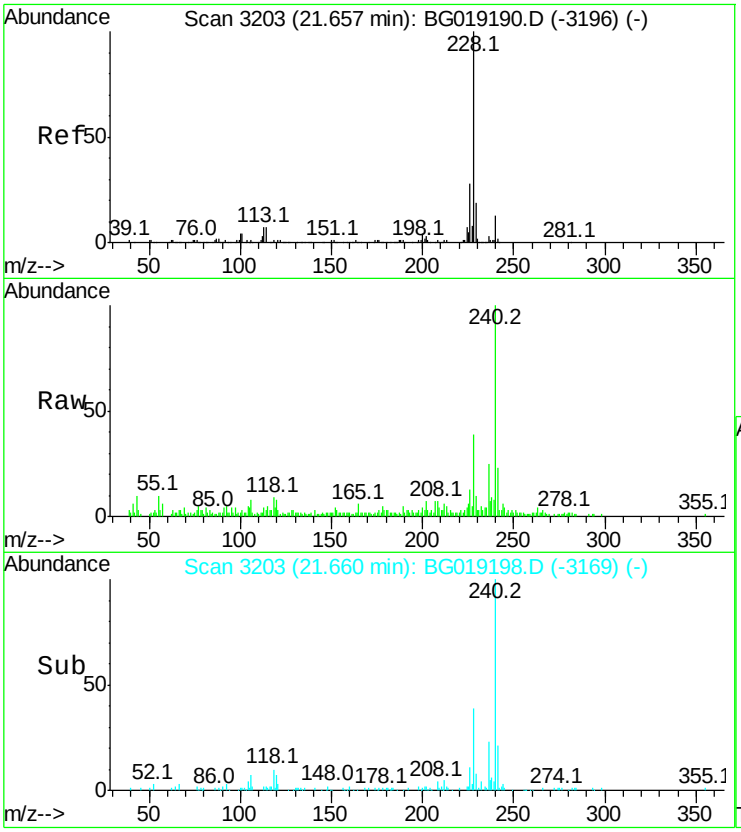


#80
Pyrene
Concen: 5.42 ng/ul m
RT: 19.82 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:202 Resp: 51829

Ion	Ratio	Lower	Upper
202	100		
101	10.2	10.2	15.2
100	9.0	8.5	12.7





#83
Benzo(a)anthracene
Concen: 1.34 ng/ul m
RT: 21.66 min Scan# 3203
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:228 Resp: 12267

Ion	Ratio	Lower	Upper
228	100		
229	26.6	16.6	24.8#
226	33.1	22.8	34.2

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations APPROVED
MMdadoda
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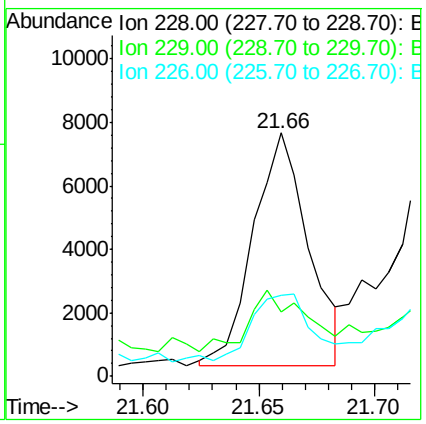

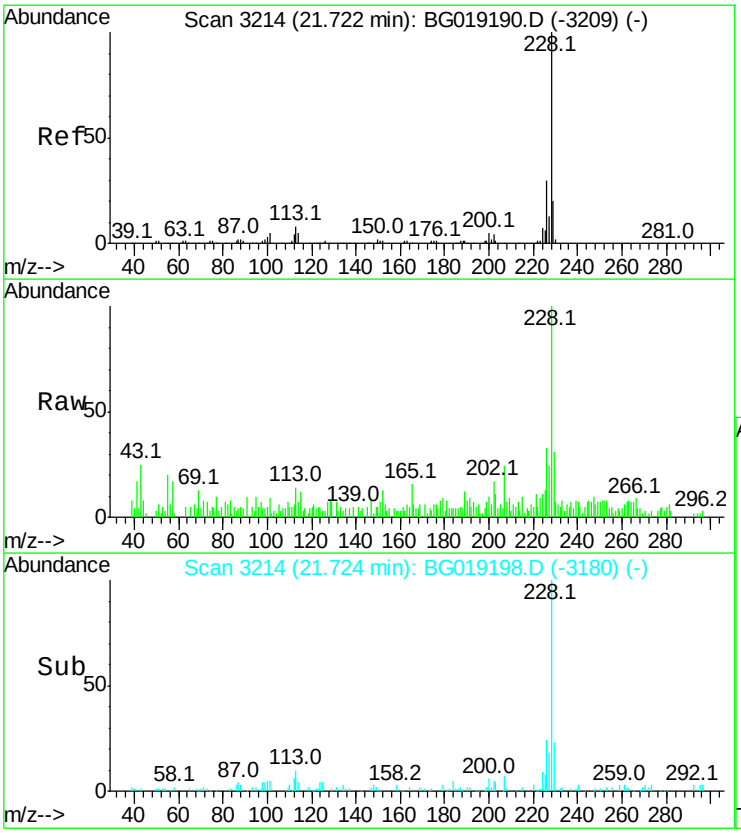

#85
Chrysene
Concen: 1.64 ng/ul m
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG019198.D
Acq: 14 Oct 2015 3:14

Tgt Ion:228 Resp: 14206

Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.2	36.2
229	31.4	15.6	23.4#