Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
Data File : BG019253.D
Acq On : 19 Oct 2015 23:35
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LK1

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:27:32 PM

Quant Time: Oct 20 11:02:37 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 20 06:03:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	20338	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	88524m	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	60453m	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.43	188	137450m	20.00	ng/ul	0.05
78) Chrysene-d12	21.72	240	145982m	20.00	ng/ul	0.07
86) Perylene-d12	25.00	264	135424m	20.00	ng/ul	0.14
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	1028m	2.82	ng/uL	0.00
5) Phenol-d5	7.20	99	26648	15.01	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.33	67	17433	15.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	20907	16.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	21702	14.43	ng/ul	0.01
19) Nitrobenzene-d5	9.17	128	11404m	16.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	12934m	17.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	22160m	15.46	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	34253m	18.55	ng/ul	0.03
44) Dimethylphthalate-d6	14.09	166	79571m	15.05	ng/ul	0.06
47) Acenaphthylene-d8	14.35	160	96167m	16.83	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.65	176	189664m	41.97	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	128455m	19.78	ng/ul	0.06
79) Pyrene-d10	19.82	212	130275m	19.68	ng/ul	0.06
90) Benzo(a)pyrene-d12	24.78	264	121414m	17.75	ng/ul	0.14
Target Compounds						Qvalue
14) Acetophenone	8.82	105	10305	4.06	ng/ul#	61
24) 2,4-Dimethylphenol	10.04	107	329079m	176.61	ng/ul	
28) Naphthalene	10.87	128	165728m	35.82	ng/ul	
34) 2-Methylnaphthalene	12.48	142	201784m	55.01	ng/ul	
35) 1-Methylnaphthalene	12.70	142	187173m	52.11	ng/ul	
41) 1,1'-Biphenyl	13.48	154	122651m	25.99	ng/ul	
50) Acenaphthene	14.72	153	99106m	23.48	ng/ul	
54) Dibenzofuran	15.06	168	550086m	92.22	ng/ul	
59) Fluorene	15.72	166	440440m	86.28	ng/ul	
70) Phenanthrene	17.49	178	1855600m	241.78	ng/ul	
72) Anthracene	17.57	178	357229m	45.81	ng/ul	
77) Fluoranthene	19.49	202	864513m	89.98	ng/ul	
80) Pyrene	19.86	202	979723m	113.08	ng/ul	
83) Benzo(a)anthracene	21.70	228	218649m	26.52	ng/ul	
85) Chrysene	21.76	228	261098m	33.48	ng/ul	
91) Benzo(a)pyrene	24.84	252	83139m	11.26	ng/ul	

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
Data File : BG019253.D
Acq On : 19 Oct 2015 23:35
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 20 11:02:37 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 20 06:03:40 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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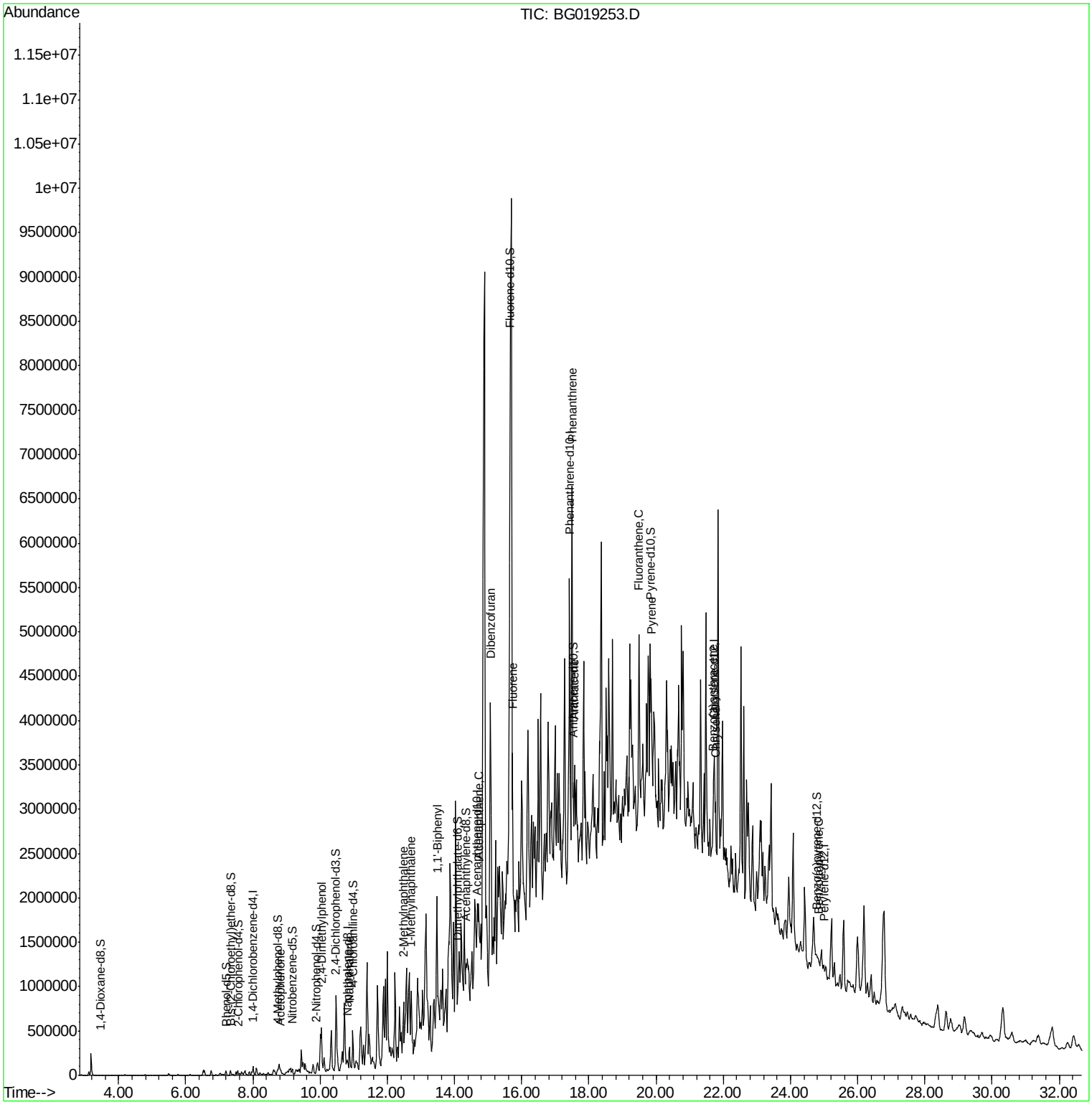

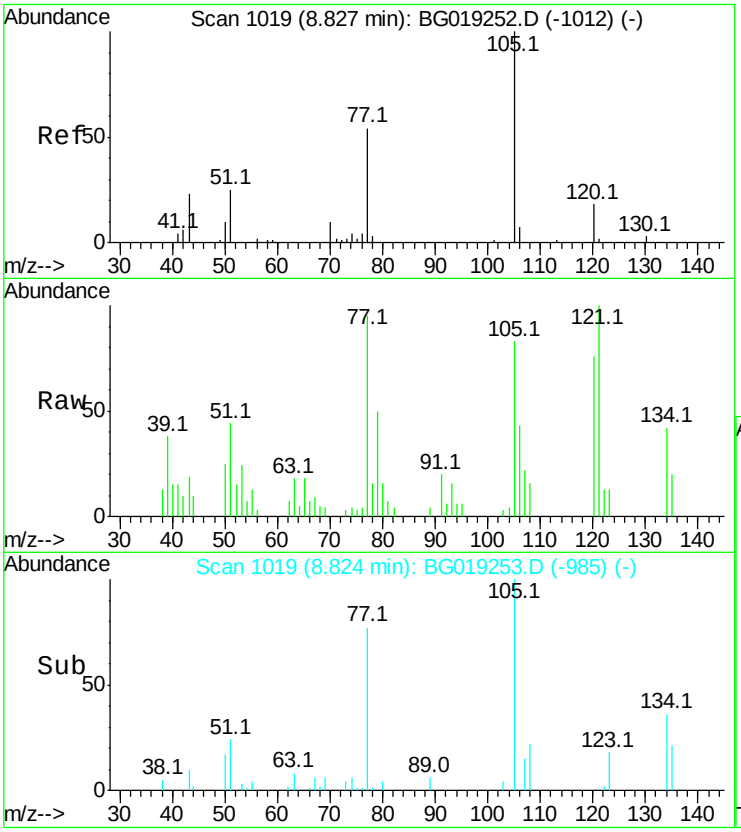

#14
Acetophenone
Concen: 4.06 ng/ul
RT: 8.82 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:105 Resp: 10305

Ion	Ratio	Lower	Upper
105	100		
77	115.0	63.8	95.6#
51	53.2	26.1	39.1#

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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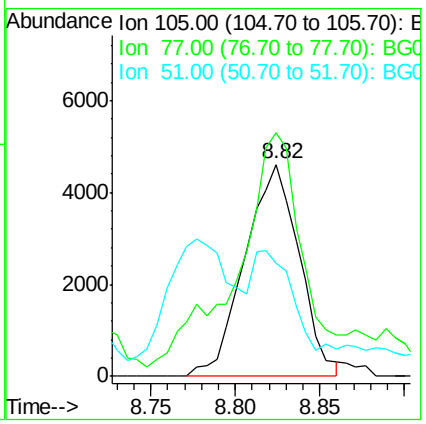
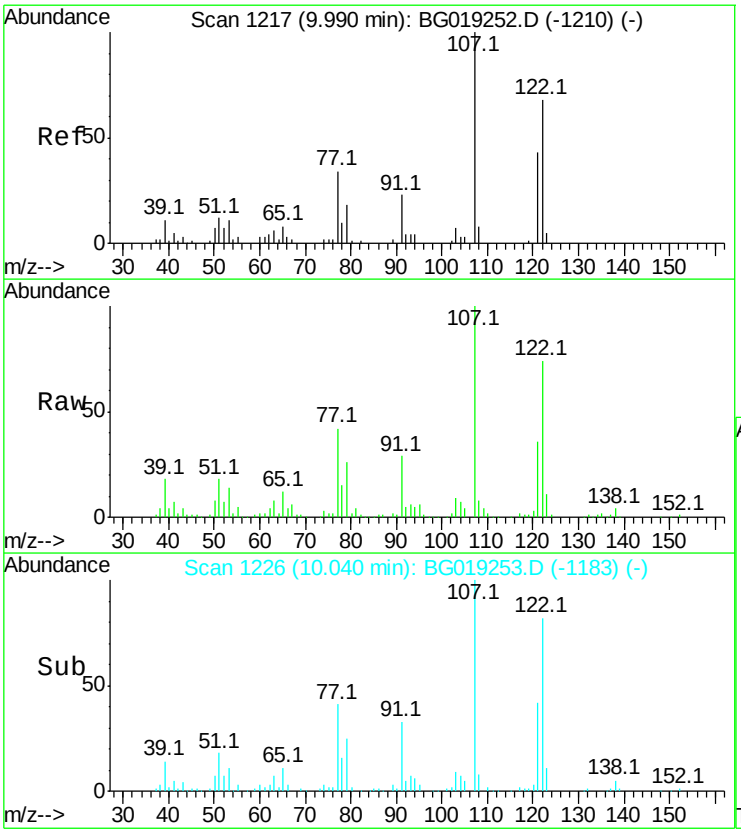
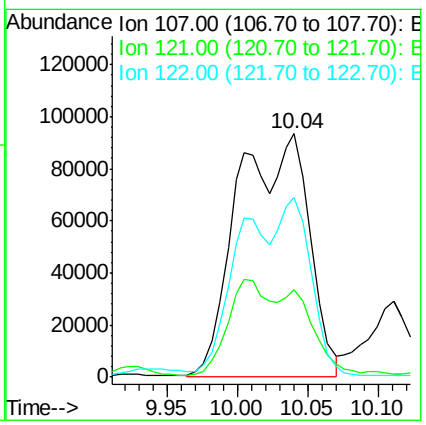


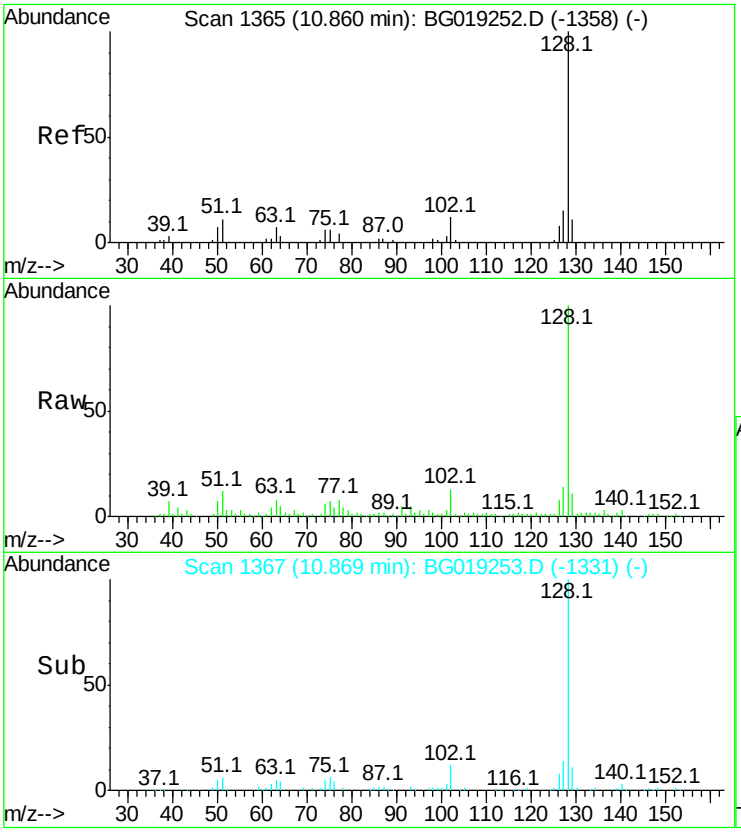


#24
2,4-Dimethylphenol
Concen: 176.61 ng/ul m
RT: 10.04 min Scan# 1226
Delta R.T. 0.05 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:107 Resp: 329079

Ion	Ratio	Lower	Upper
107	100		
121	35.7	37.2	55.8#
122	73.7	67.6	101.4

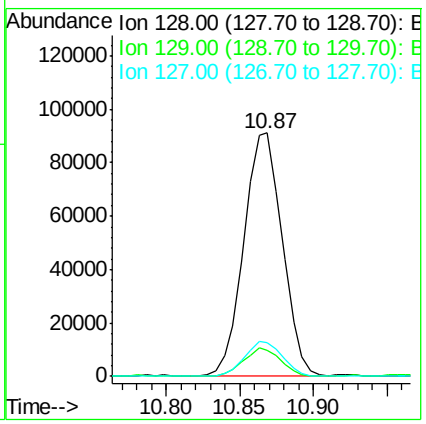




#28
Naphthalene
Concen: 35.82 ng/ul m
RT: 10.87 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:128 Resp: 165728

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.9	11.3	16.9



Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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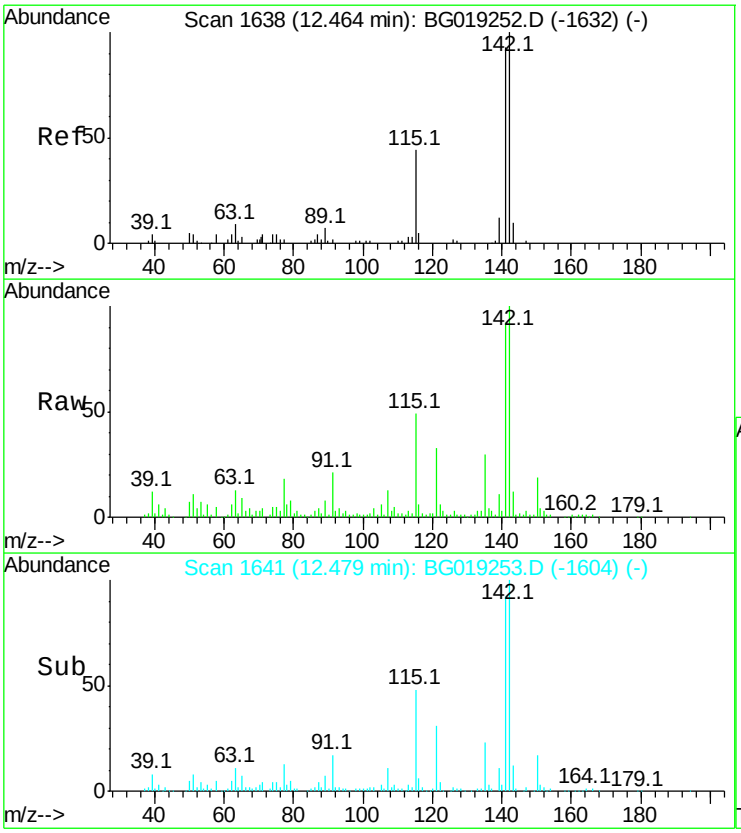
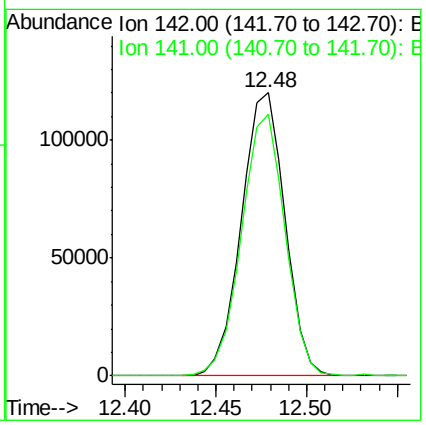
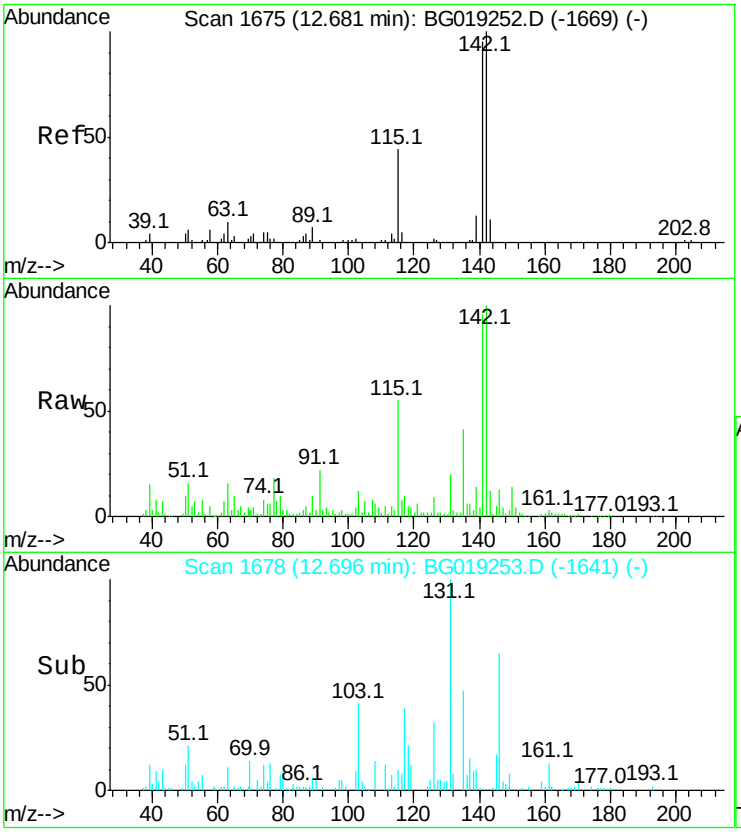


#34
2-Methylnaphthalene
Concen: 55.01 ng/ul m
RT: 12.48 min Scan# 1641
Delta R.T. 0.01 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:142 Resp: 201784

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.0

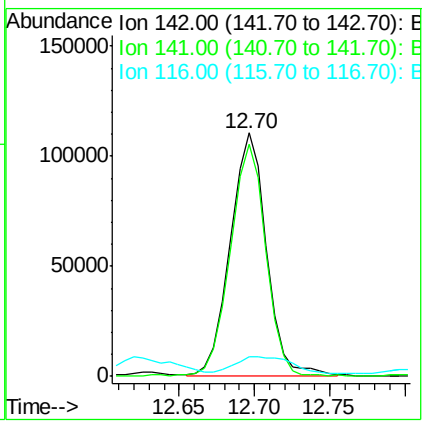




#35
1-Methylnaphthalene
Concen: 52.11 ng/ul m
RT: 12.70 min Scan# 1678
Delta R.T. 0.01 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:142 Resp: 187173

Ion	Ratio	Lower	Upper
142	100		
141	95.5	74.8	112.2
116	8.2	3.2	4.8#



Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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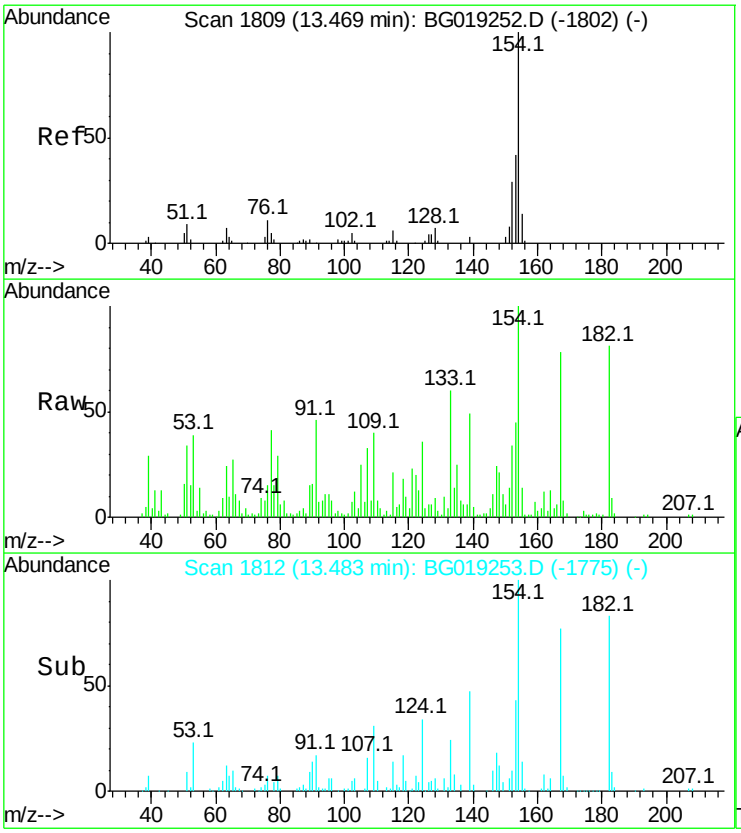
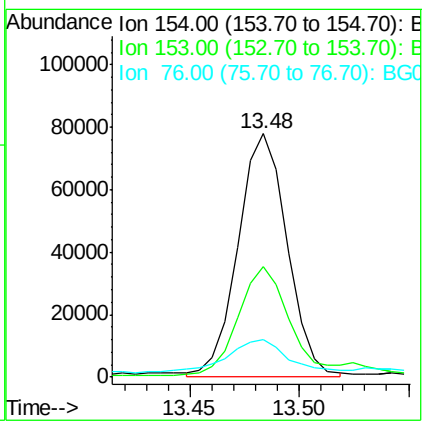
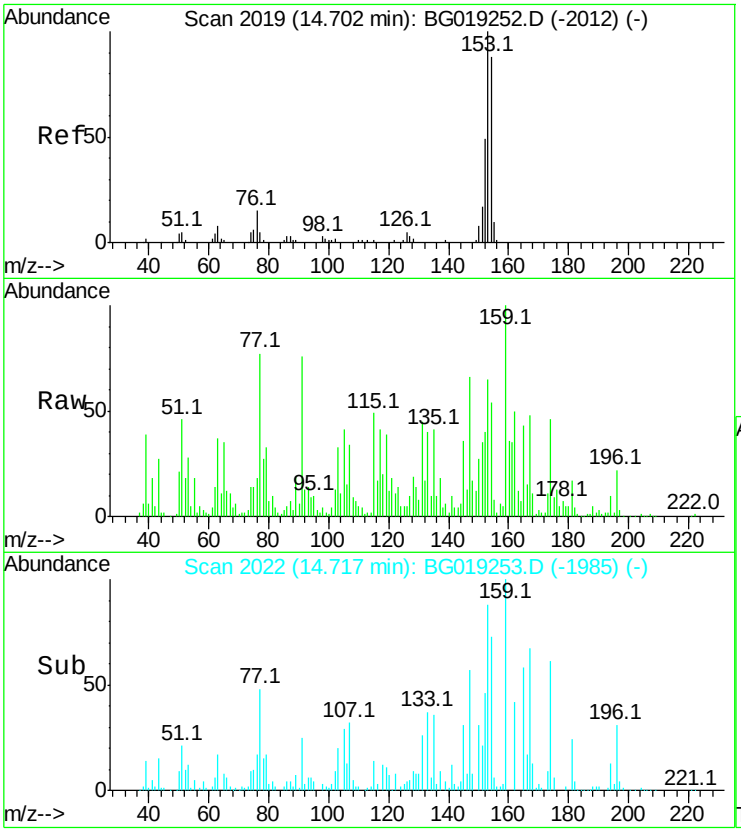


#41
1,1'-Biphenyl
Concen: 25.99 ng/ul m
RT: 13.48 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:154 Resp: 122651

Ion	Ratio	Lower	Upper
154	100		
153	45.3	31.4	47.0
76	15.3	10.8	16.2

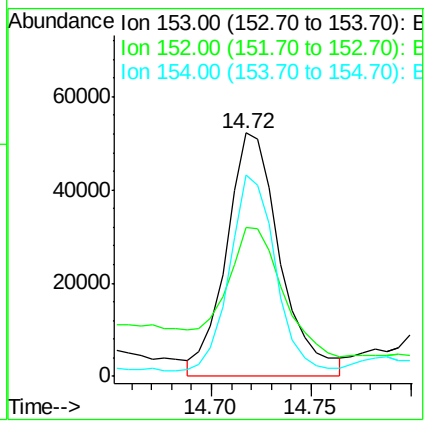




#50
Acenaphthene
Concen: 23.48 ng/ul m
RT: 14.72 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:153 Resp: 99106

Ion	Ratio	Lower	Upper
153	100		
152	61.4	36.2	54.2#
154	82.5	67.5	101.3



Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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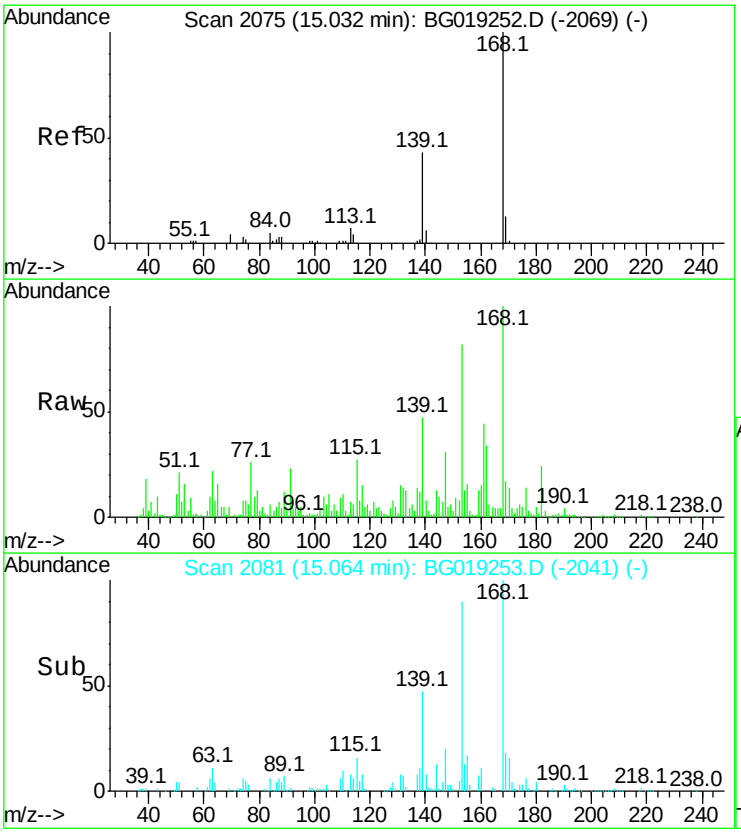
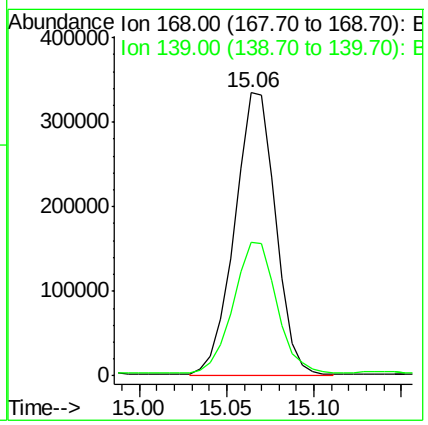
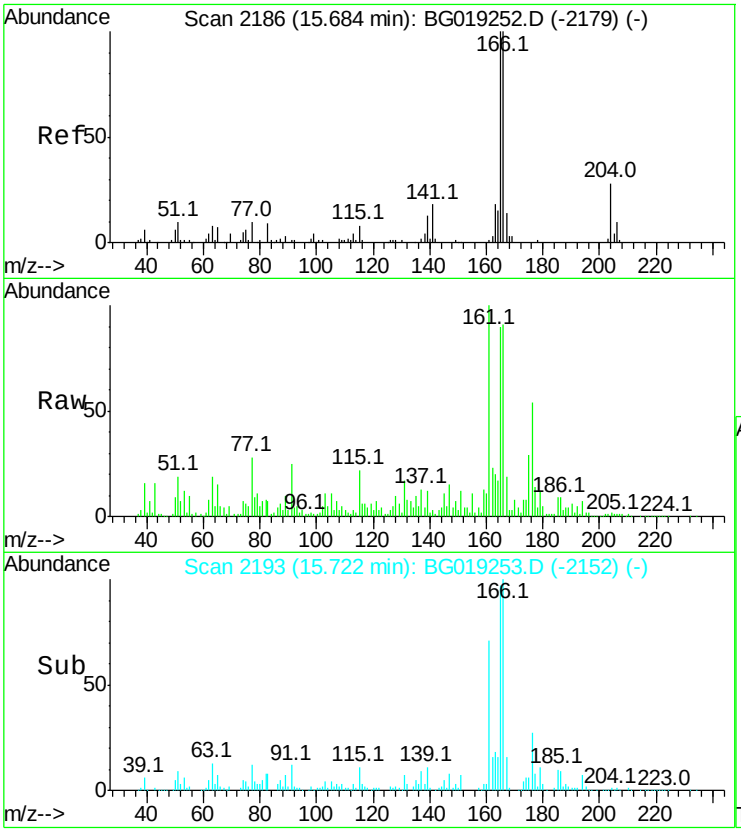


#54
Dibenzofuran
Concen: 92.22 ng/ul m
RT: 15.06 min Scan# 2081
Delta R.T. 0.03 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:168 Resp: 550086

Ion	Ratio	Lower	Upper
168	100		
139	47.2	28.5	42.7#





#59
Fluorene
Concen: 86.28 ng/ul m
RT: 15.72 min Scan# 2193
Delta R.T. 0.04 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:166 Resp: 440440

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.7	116.5
167	21.2	10.4	15.6#

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
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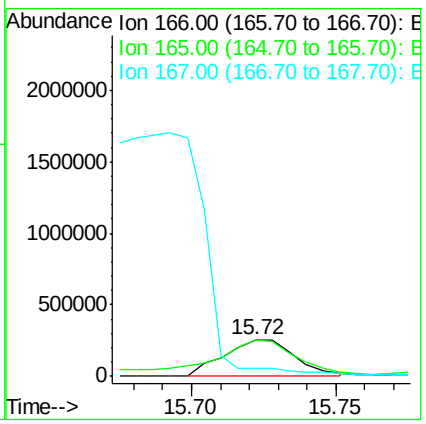
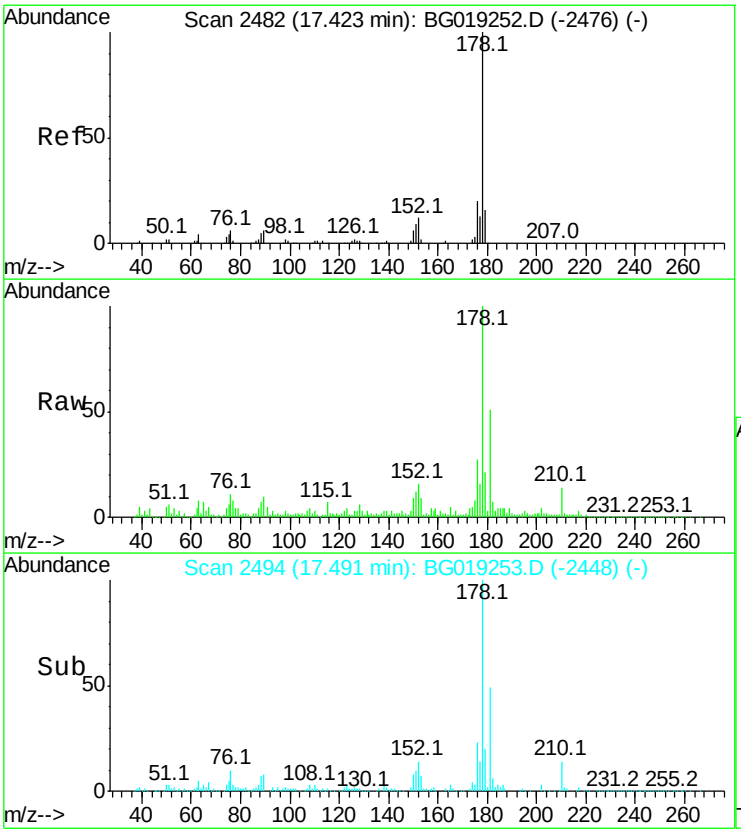
10/20/2015 6:27:32 PM

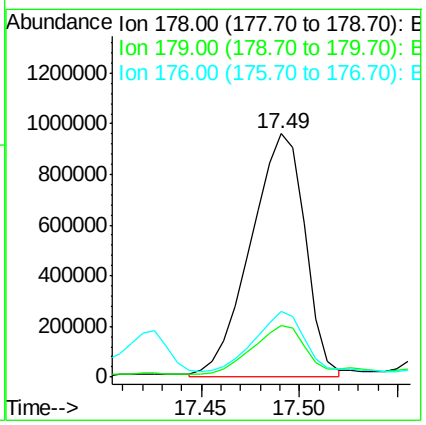


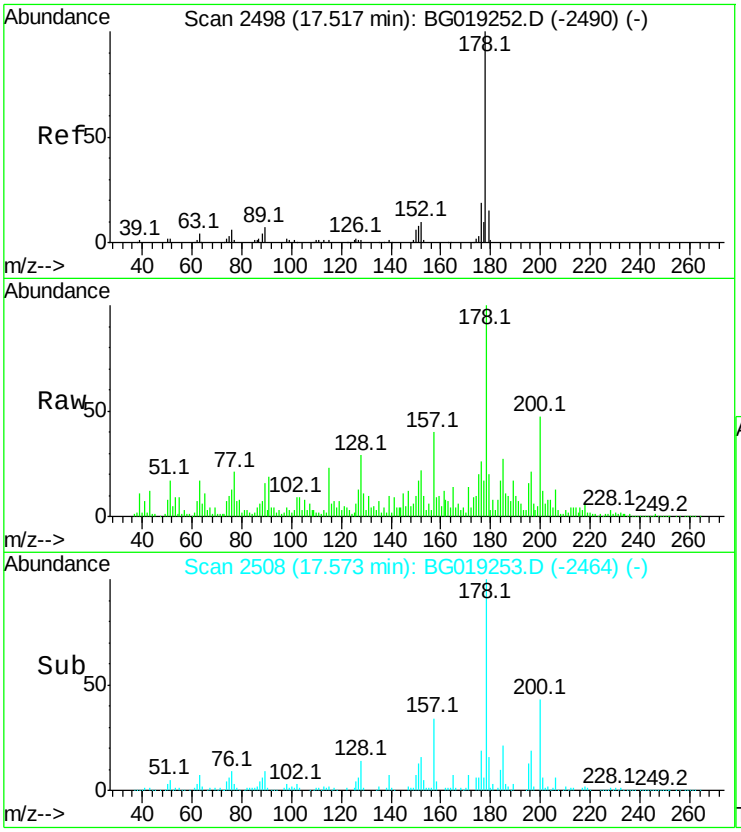


#70
Phenanthrene
Concen: 241.78 ng/ul m
RT: 17.49 min Scan# 2494
Delta R.T. 0.07 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:178 Resp: 1855600

Ion	Ratio	Lower	Upper
178	100		
179	21.0	12.5	18.7#
176	26.9	15.4	23.0#





#72
Anthracene
Concen: 45.81 ng/ul m
RT: 17.57 min Scan# 2508
Delta R.T. 0.06 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:178 Resp: 357229

Ion	Ratio	Lower	Upper
178	100		
179	20.4	12.2	18.4#
176	25.8	15.0	22.6#

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
MMdadoda
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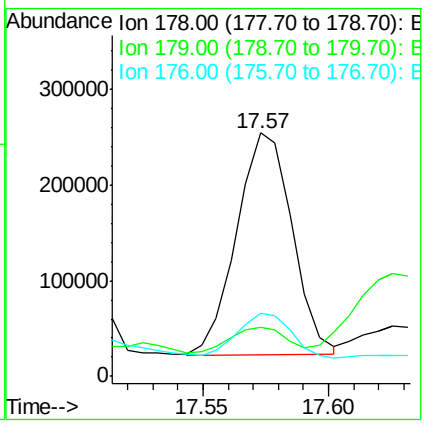
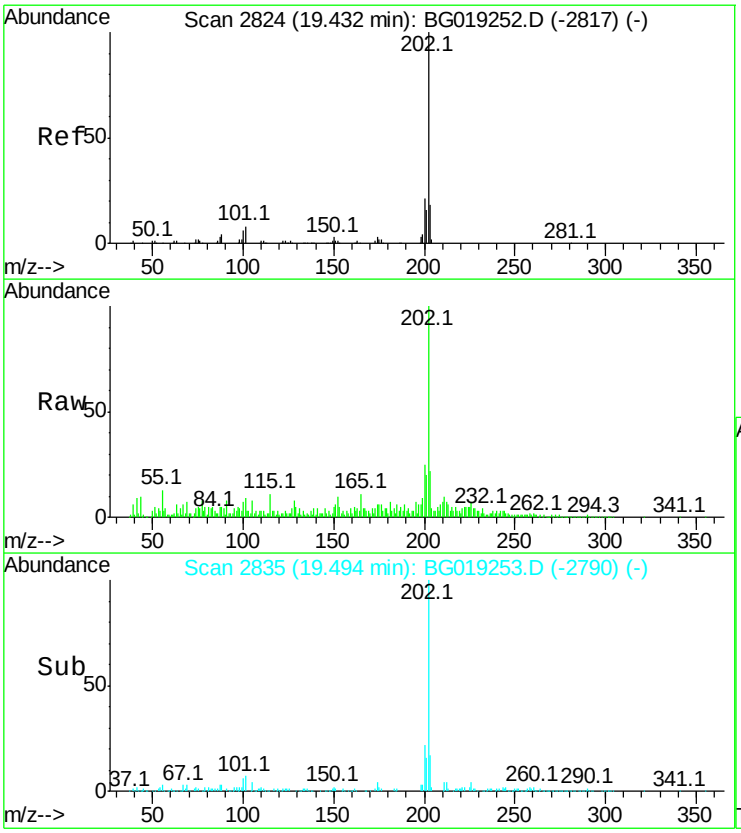
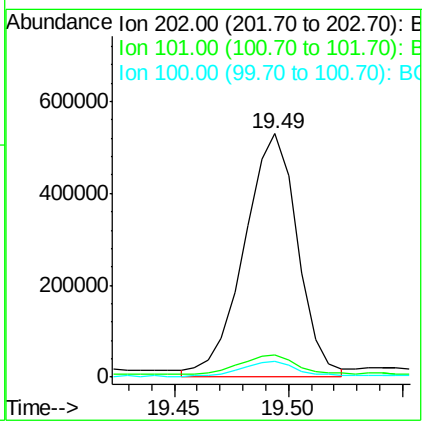


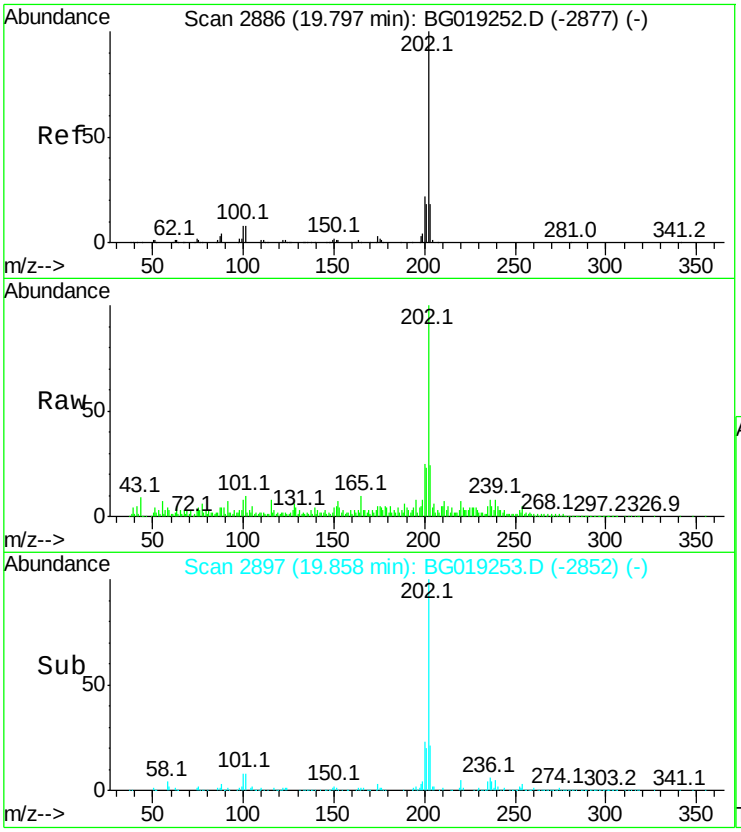


#77
Fluoranthene
Concen: 89.98 ng/ul m
RT: 19.49 min Scan# 2835
Delta R.T. 0.06 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:202 Resp: 864513

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





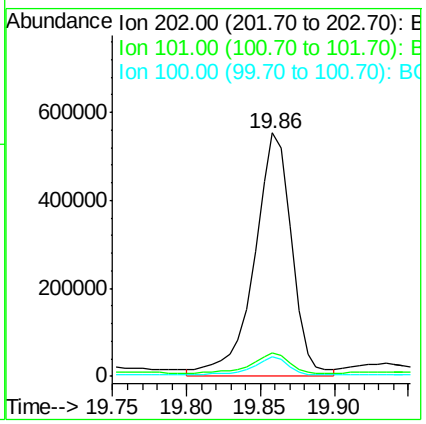
#80
Pyrene
Concen: 113.08 ng/ul m
RT: 19.86 min Scan# 2897
Delta R.T. 0.06 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

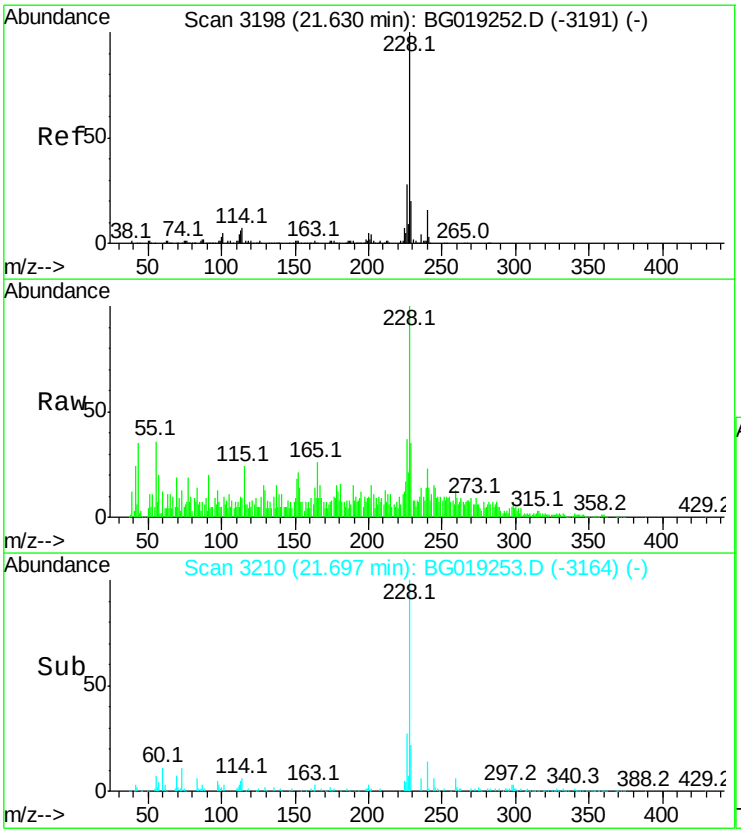
Tgt Ion:202 Resp: 979723

Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.2	15.2#
100	8.1	8.5	12.7#

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:27:32 PM

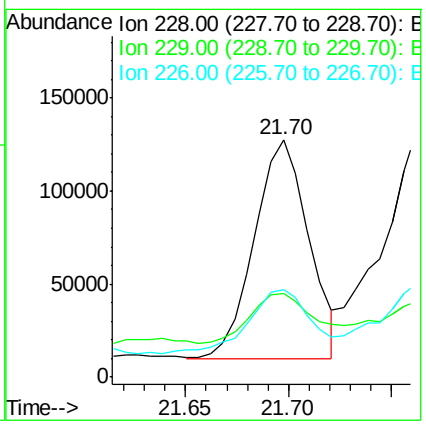


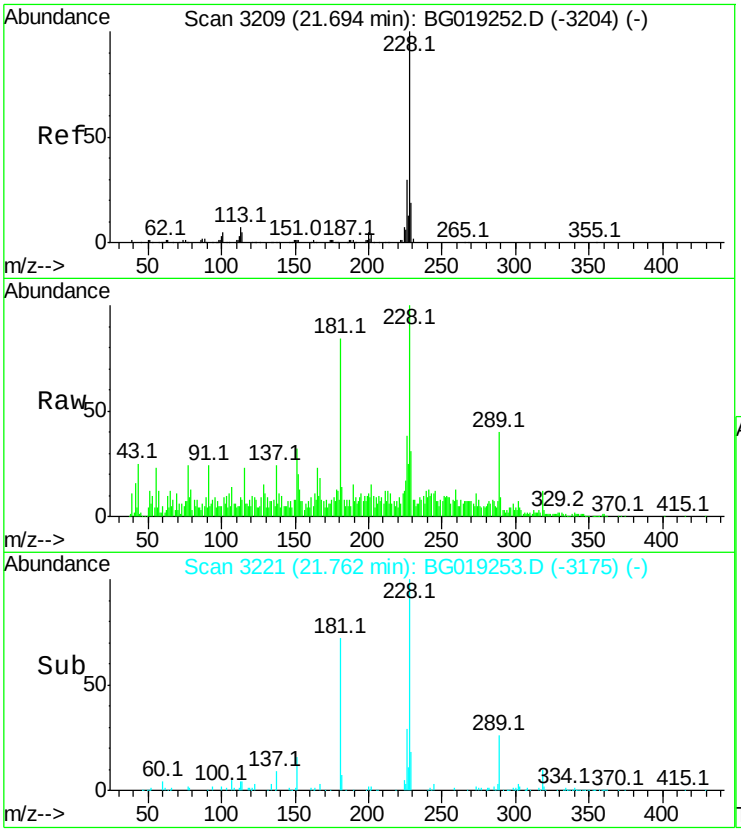


#83
Benzo(a)anthracene
Concen: 26.52 ng/ul m
RT: 21.70 min Scan# 3210
Delta R.T. 0.07 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:228 Resp: 218649

Ion	Ratio	Lower	Upper
228	100		
229	35.4	16.6	24.8#
226	36.7	22.8	34.2#





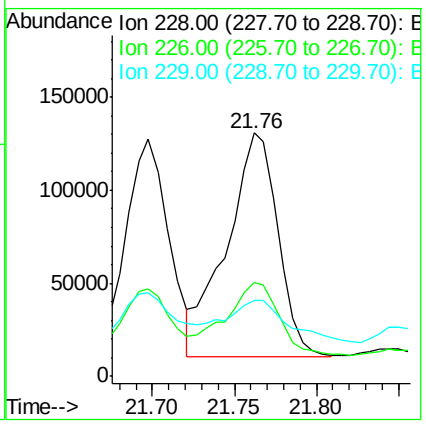
#85
Chrysene
Concen: 33.48 ng/ul m
RT: 21.76 min Scan# 3221
Delta R.T. 0.07 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

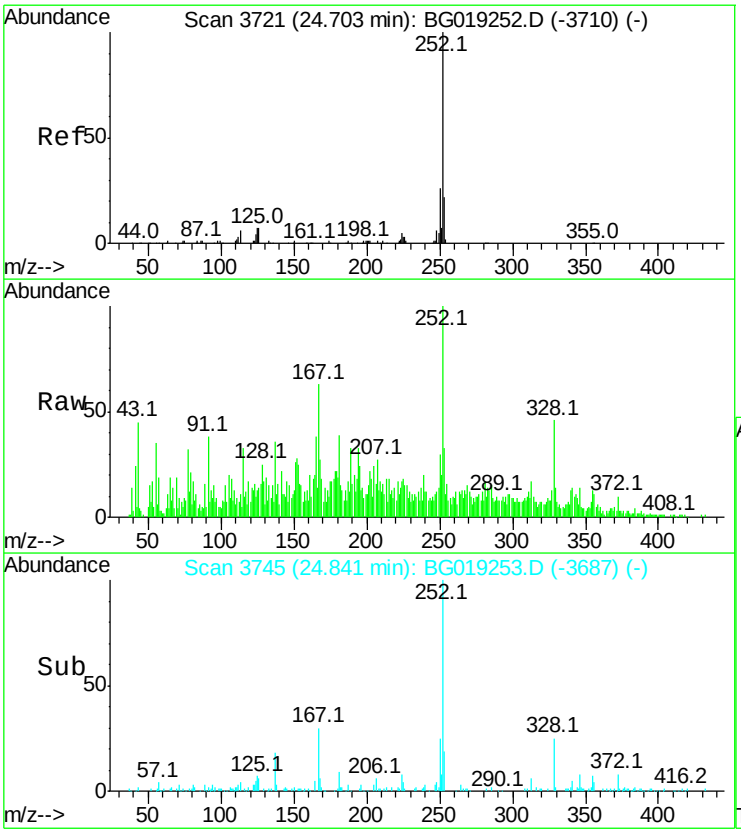
Tgt Ion:228 Resp: 261098

Ion	Ratio	Lower	Upper
228	100		
226	38.4	24.2	36.2#
229	31.3	15.6	23.4#

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations APPROVED
MMdadoda
10/20/2015 6:27:32 PM





#91
Benzo(a)pyrene
Concen: 11.26 ng/ul m
RT: 24.84 min Scan# 3745
Delta R.T. 0.14 min
Lab File: BG019253.D
Acq: 19 Oct 2015 23:35

Tgt Ion:252 Resp: 83139

Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.1	27.1#
125	12.7	9.4	14.2