Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018266.D
Acq On : 4 Aug 2015 23:00
Operator : UM/TP
Sample : G3109-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01P5

Manual Integrations APPROVED
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8/7/2015 4:40:54 PM

Quant Time: Aug 07 04:03:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	54732	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	250837	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.14	164	147758	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.90	188	247444m	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	204661m	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	199886	20.00	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.93	96	1245	1.72	ng/uL	0.00
5) Phenol-d5	6.67	99	57014	11.58	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.80	67	28120	11.18	ng/ul	0.01
9) 2-Chlorophenol-d4	7.00	132	46441	12.49	ng/ul	0.01
13) 4-Methylphenol-d8	8.20	113	32643	8.14	ng/ul	0.02
19) Nitrobenzene-d5	8.62	128	24692	12.50	ng/ul	0.01
22) 2-Nitrophenol-d4	9.33	143	28501	12.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.89	165	49967	12.47	ng/ul	0.01
29) 4-Chloroaniline-d4	10.39	131	6626	1.33	ng/ul	0.01
44) Dimethylphthalate-d6	13.56	166	151818	13.30	ng/ul	0.01
47) Acenaphthylene-d8	13.83	160	170728	12.90	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	17493	8.28	ng/ul	0.02
58) Fluorene-d10	15.14	176	120394	11.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	6062m	3.51	ng/ul	0.02
71) Anthracene-d10	17.00	188	138531m	12.88	ng/ul	0.01
79) Pyrene-d10	19.32	212	99809m	10.08	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.19	264	131514	13.01	ng/ul	0.06
Target Compounds						Qvalue
28) Naphthalene	10.29	128	20000	1.66	ng/ul#	95
34) 2-Methylnaphthalene	11.92	142	12449	1.30	ng/ul	88
35) 1-Methylnaphthalene	12.15	142	9420	1.03	ng/ul#	98
45) Dimethylphthalate	13.60	163	57893	5.10	ng/ul	97
50) Acenaphthene	14.20	153	46057	5.38	ng/ul#	92
54) Dibenzofuran	14.54	168	32646m	2.53	ng/ul	
59) Fluorene	15.20	166	56857	5.11	ng/ul	92
70) Phenanthrene	16.95	178	1166984m	92.84	ng/ul	
72) Anthracene	17.04	178	276464	22.11	ng/ul	98
75) Carbazole	17.31	167	56005	5.39	ng/ul	99
76) Di-n-butylphthalate	17.88	149	272698m	19.72	ng/ul	
77) Fluoranthene	18.99	202	1836989m	133.06	ng/ul	
80) Pyrene	19.36	202	1480382m	119.25	ng/ul	
83) Benzo(a)anthracene	21.11	228	896703m	81.36	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.04	149	96124m	14.13	ng/ul	
85) Chrysene	21.17	228	772641	76.53	ng/ul	96
88) Benzo(b)fluoranthene	22.67	252	1193625	99.40	ng/ul#	96
89) Benzo(k)fluoranthene	22.71	252	385091m	34.89	ng/ul	
91) Benzo(a)pyrene	23.23	252	769863m	71.66	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.54	276	327272	26.33	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.54	278	95048	8.93	ng/ul#	94
94) Benzo(g,h,i)perylene	26.22	276	274813	27.08	ng/ul#	90

Quantitation Report (LSC Reviewed)

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Quant Time: Aug 07 04:03:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
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Manual Integrations APPROVED
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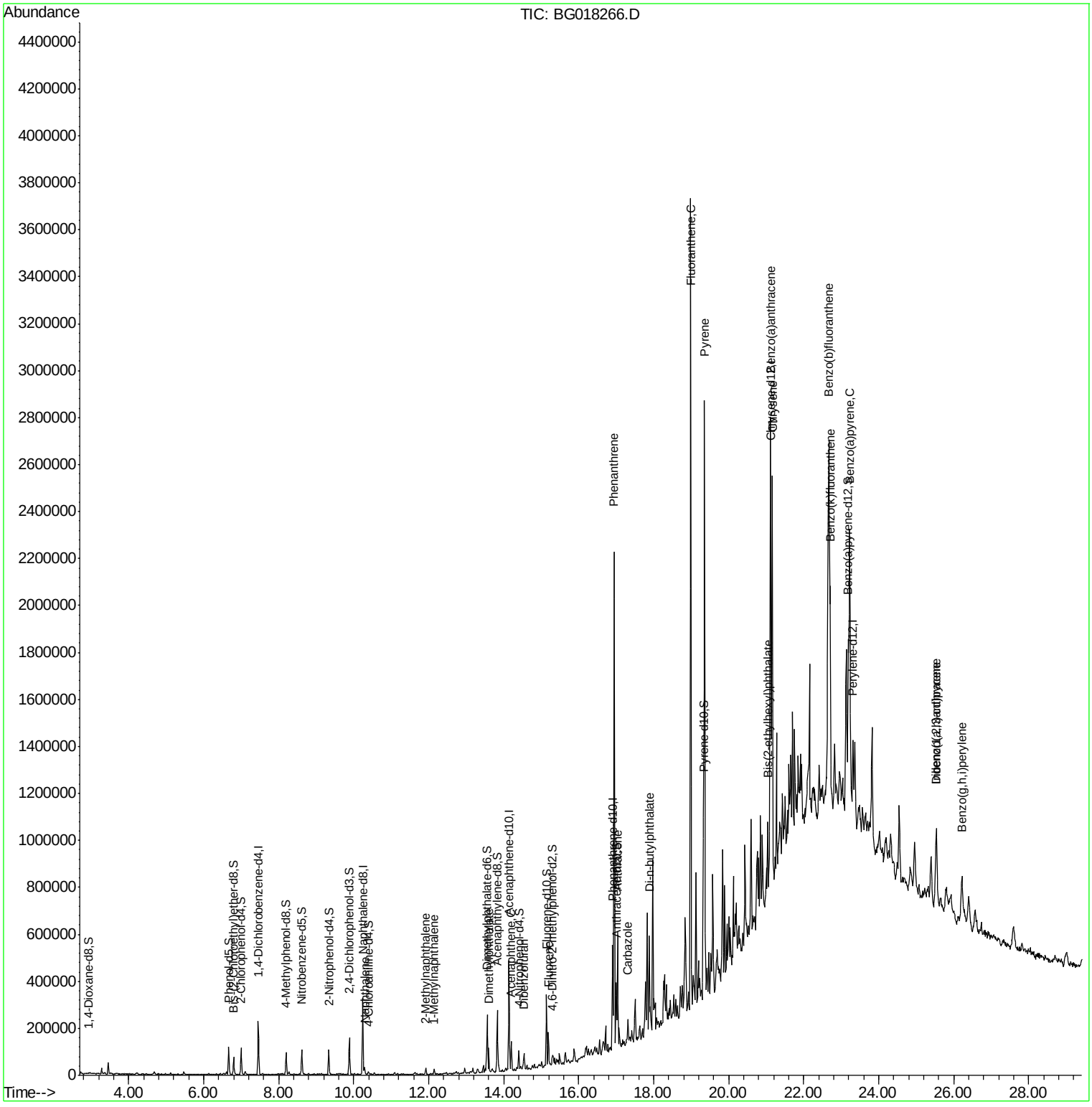

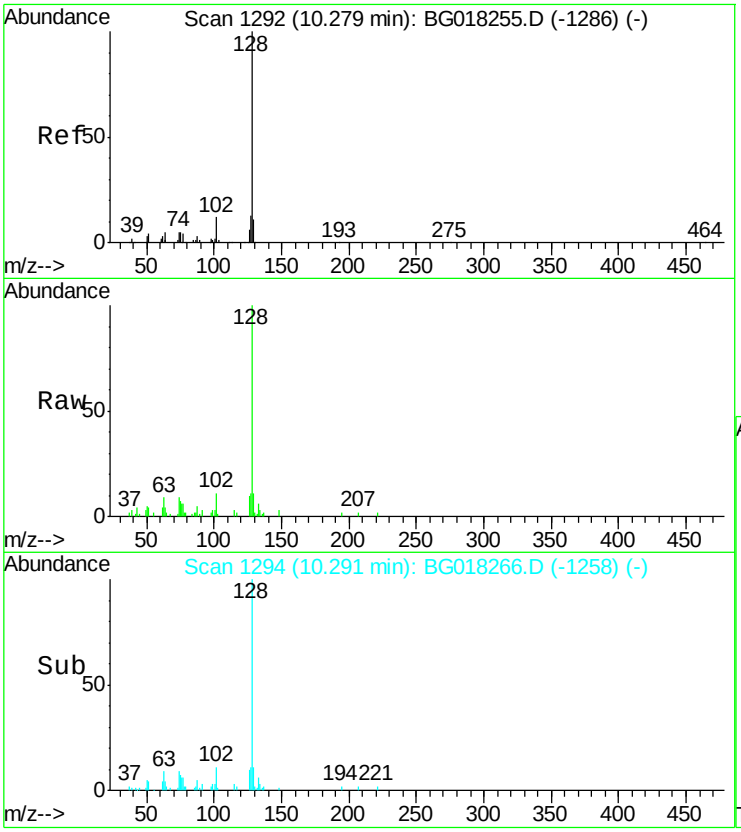

#28
Naphthalene
Concen: 1.66 ng/ul
RT: 10.29 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:128 Resp: 20000

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	11.1	11.2	16.8#

Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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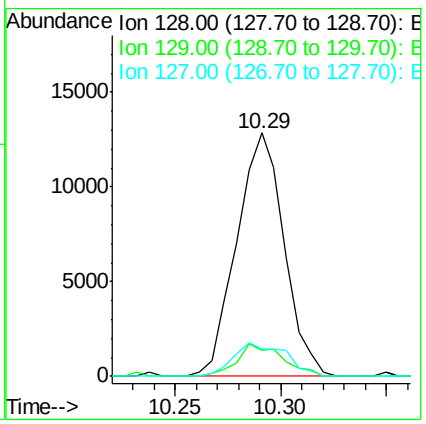
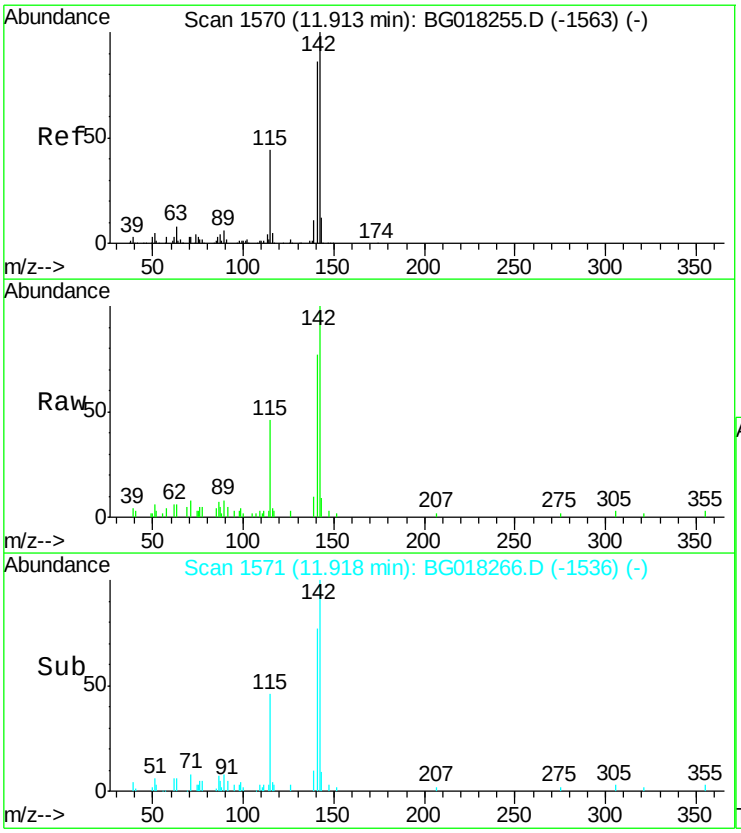
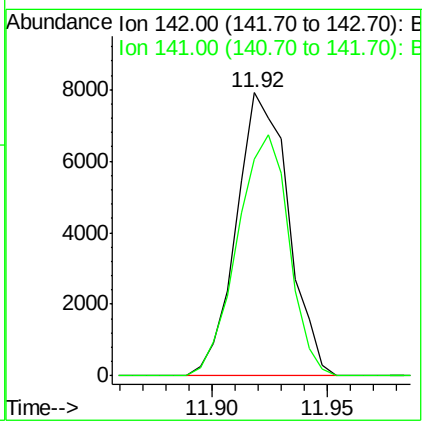


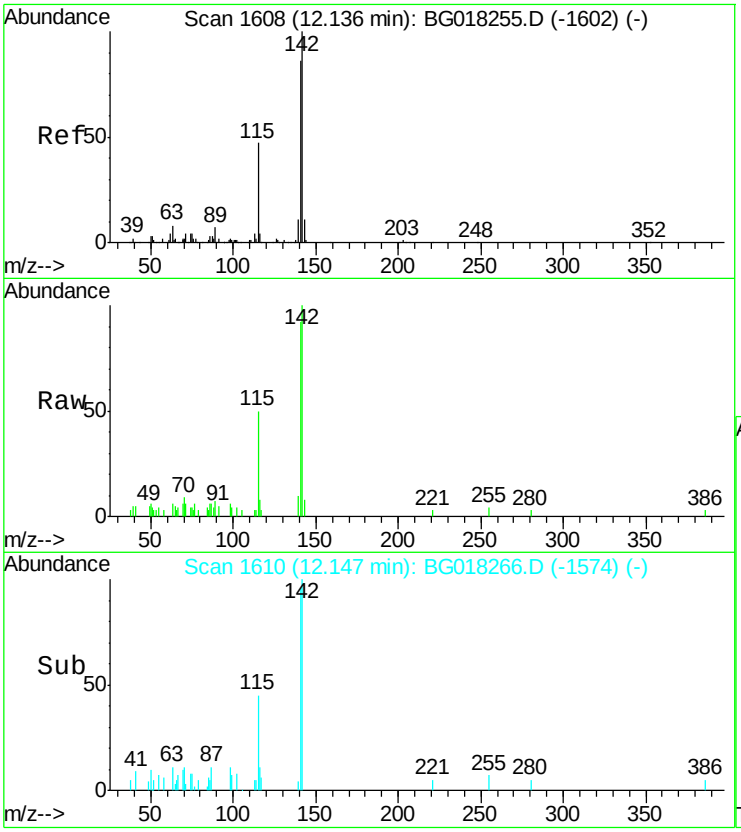


#34
2-Methylnaphthalene
Concen: 1.30 ng/ul
RT: 11.92 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:142 Resp: 12449

Ion	Ratio	Lower	Upper
142	100		
141	76.6	70.3	105.5

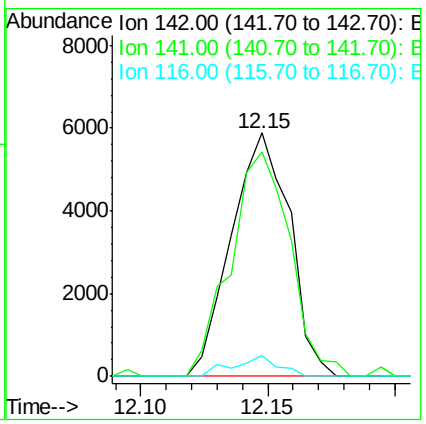




#35
1-Methylnaphthalene
Concen: 1.03 ng/ul
RT: 12.15 min Scan# 1610
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:142 Resp: 9420

Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.5	108.7
116	8.5	2.6	4.0#



Instrument :
BNA_G
ClientSampleId :
C01P5

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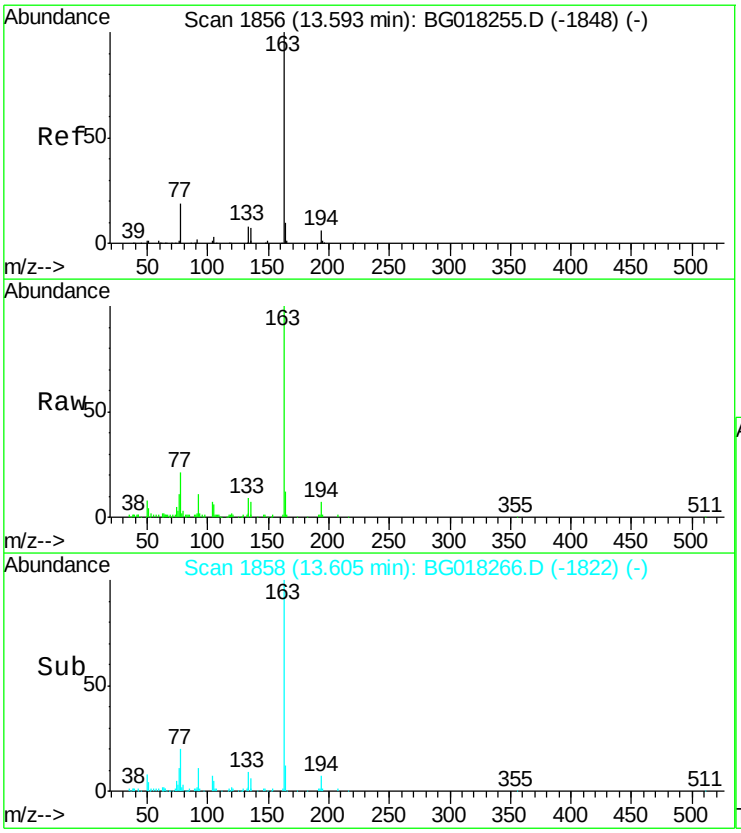
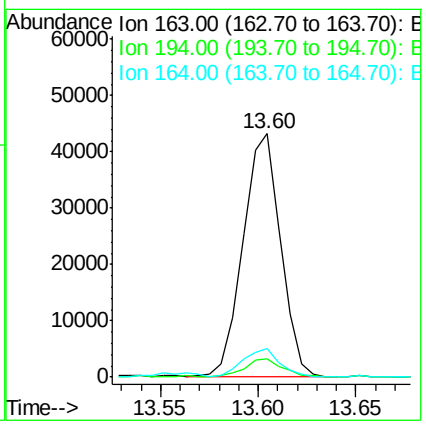
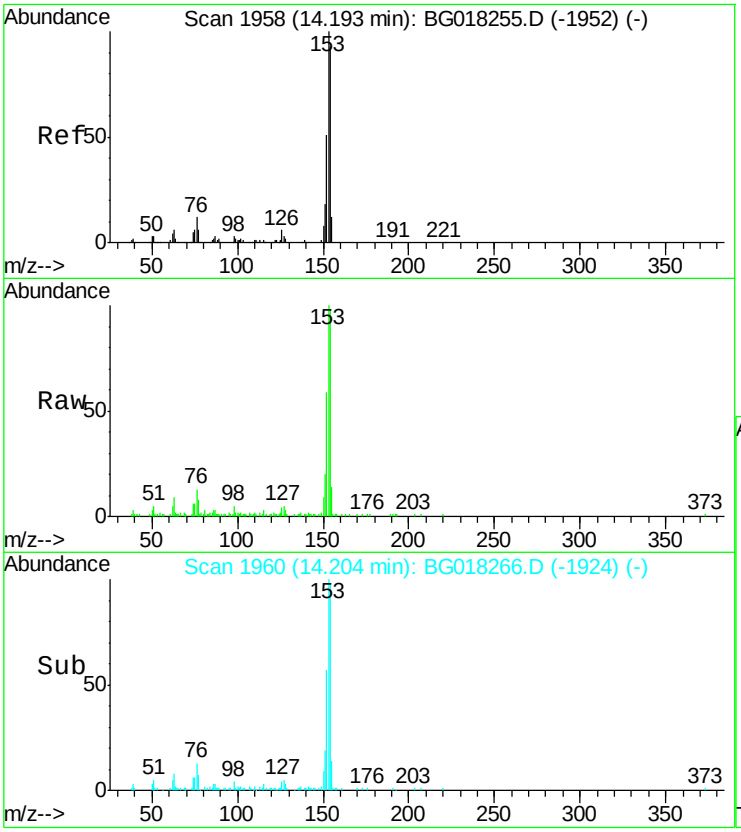


#45
Dimethylphthalate
Concen: 5.10 ng/ul
RT: 13.60 min Scan# 1858
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:163 Resp: 57893

Ion	Ratio	Lower	Upper
163	100		
194	7.3	5.2	7.8
164	11.7	8.4	12.6

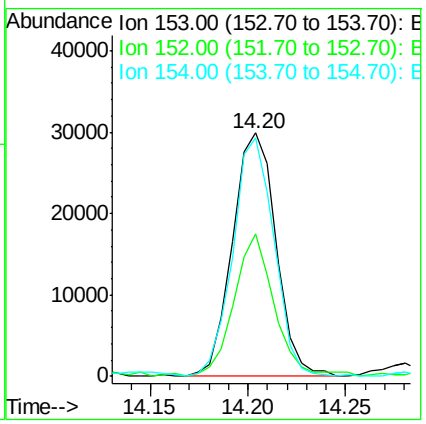




#50
Acenaphthene
Concen: 5.38 ng/ul
RT: 14.20 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:153 Resp: 46057

Ion	Ratio	Lower	Upper
153	100		
152	58.5	38.7	58.1#
154	98.1	74.8	112.2



Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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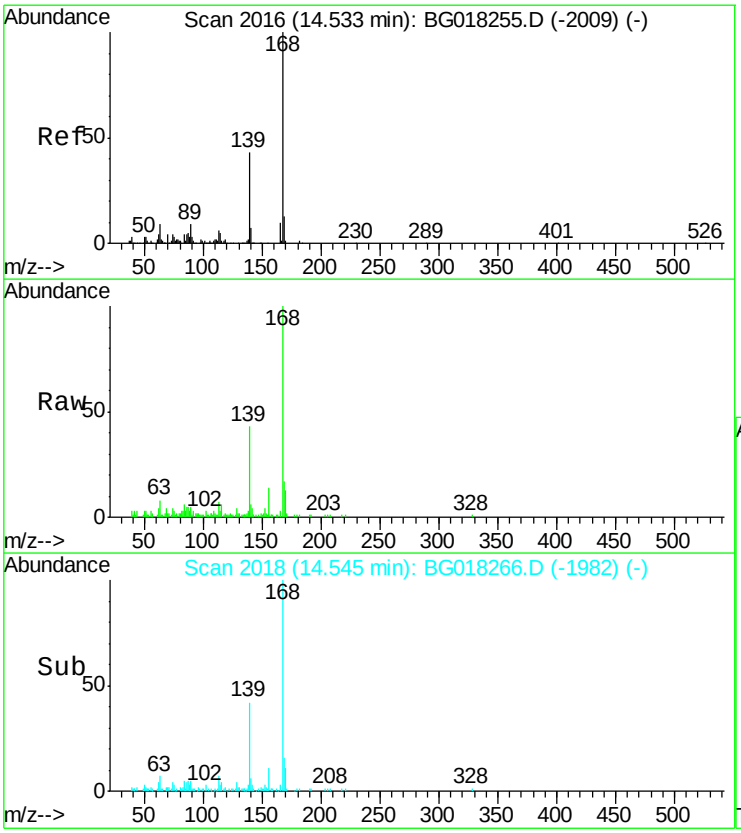
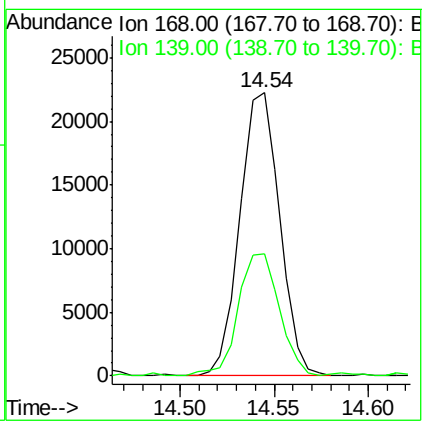
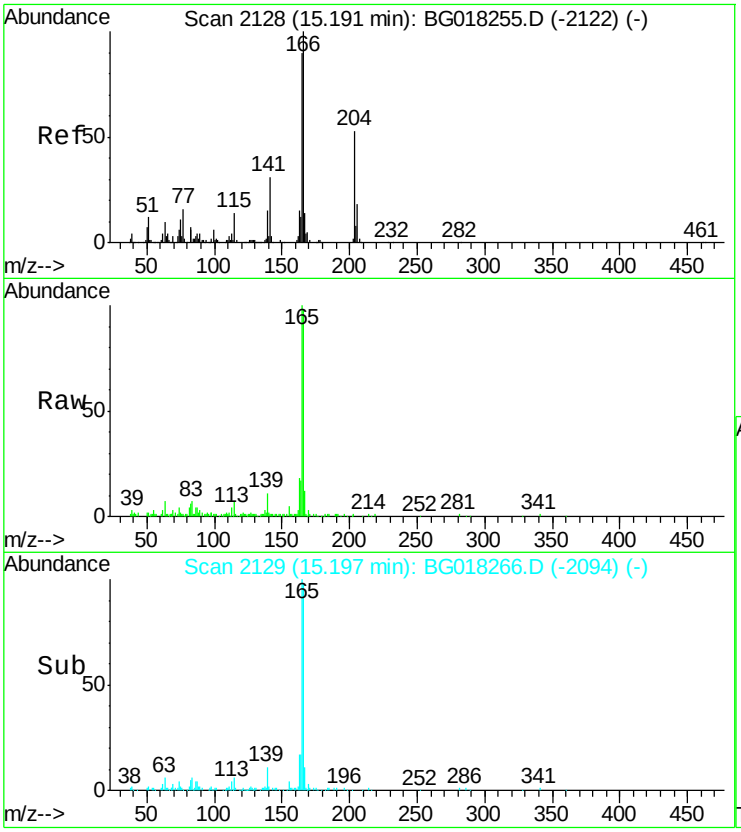


#54
Dibenzofuran
Concen: 2.53 ng/ul m
RT: 14.54 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:168 Resp: 32646

Ion	Ratio	Lower	Upper
168	100		
139	43.2	26.8	40.2#

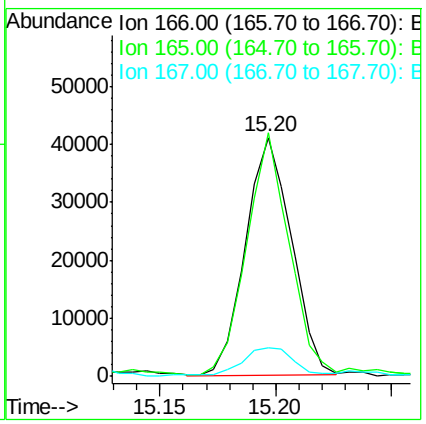




#59
Fluorene
Concen: 5.11 ng/ul
RT: 15.20 min Scan# 2129
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:166 Resp: 56857

Ion	Ratio	Lower	Upper
166	100		
165	102.1	75.1	112.7
167	12.1	11.8	17.6



Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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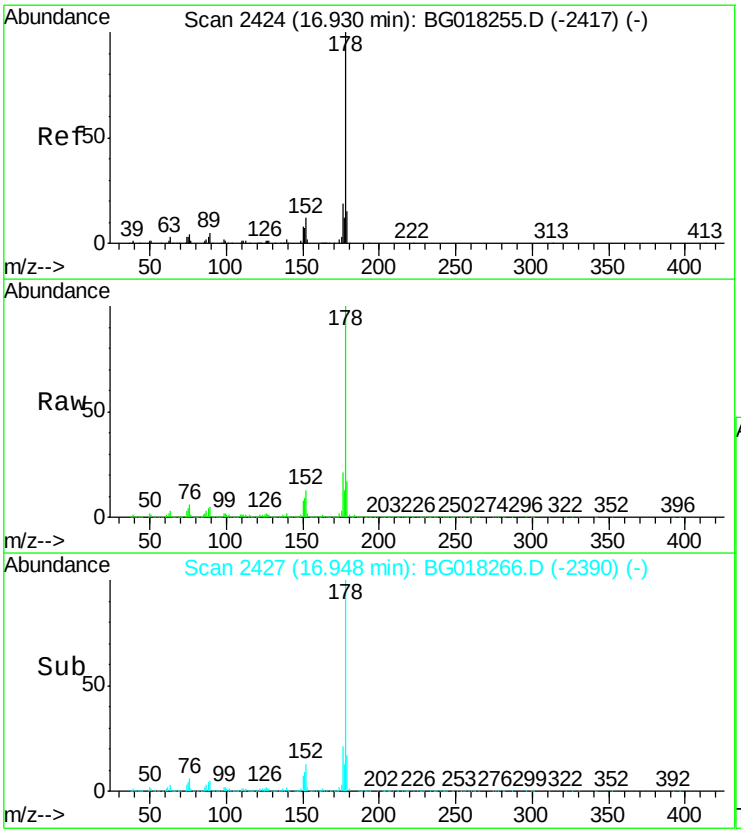
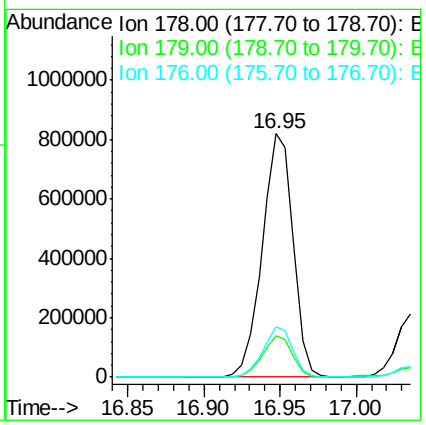
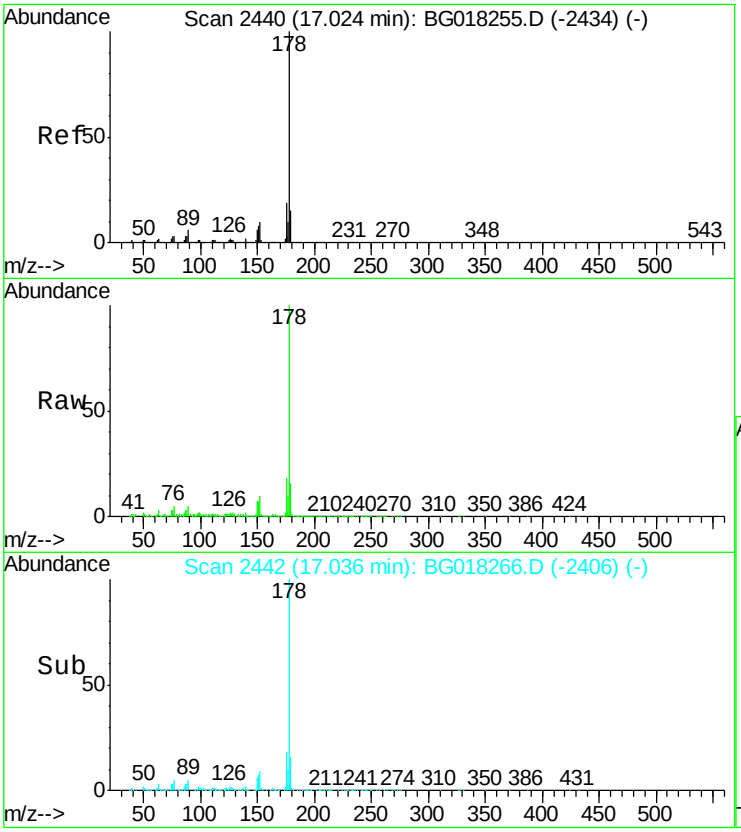


#70
Phenanthrene
Concen: 92.84 ng/ul m
RT: 16.95 min Scan# 2427
Delta R.T. 0.02 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:178 Resp: 1166984

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.8	19.2
176	20.9	16.0	24.0

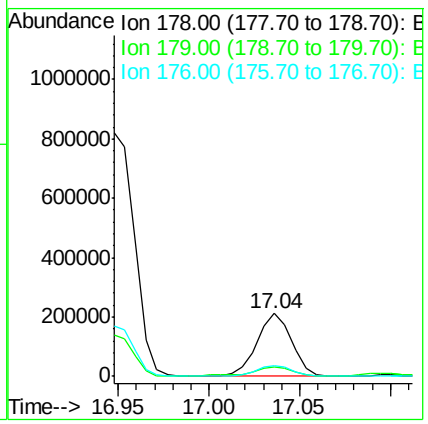




#72
Anthracene
Concen: 22.11 ng/ul
RT: 17.04 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:178 Resp: 276464

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	17.7	14.8	22.2



Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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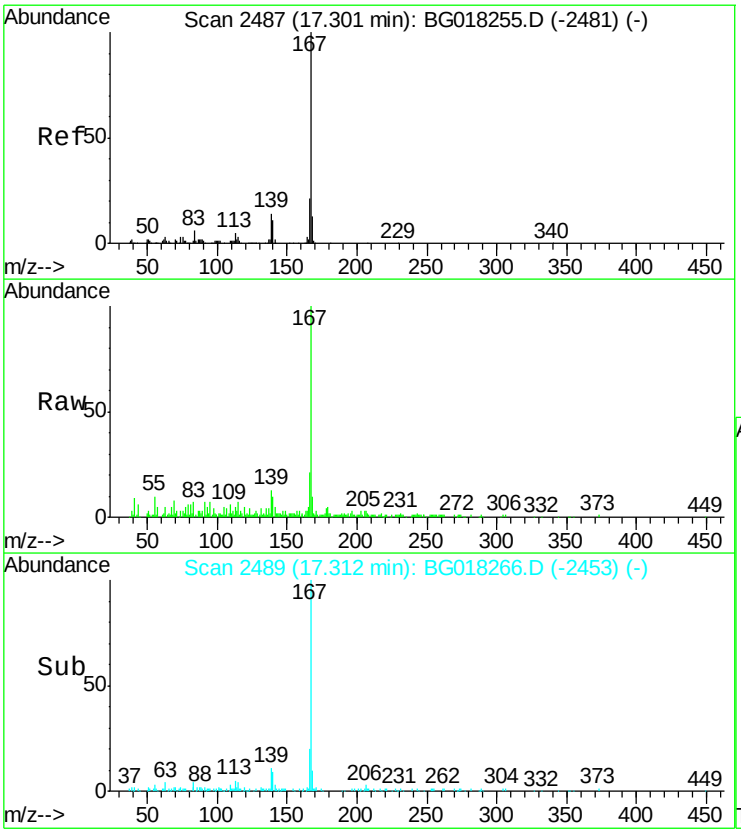
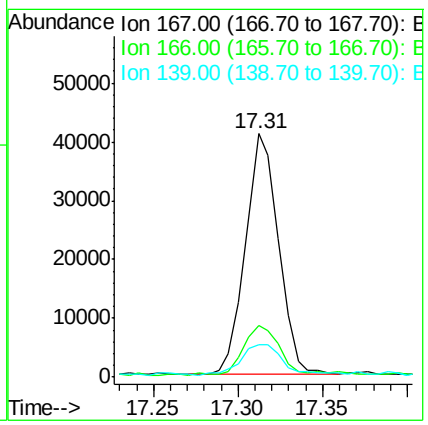
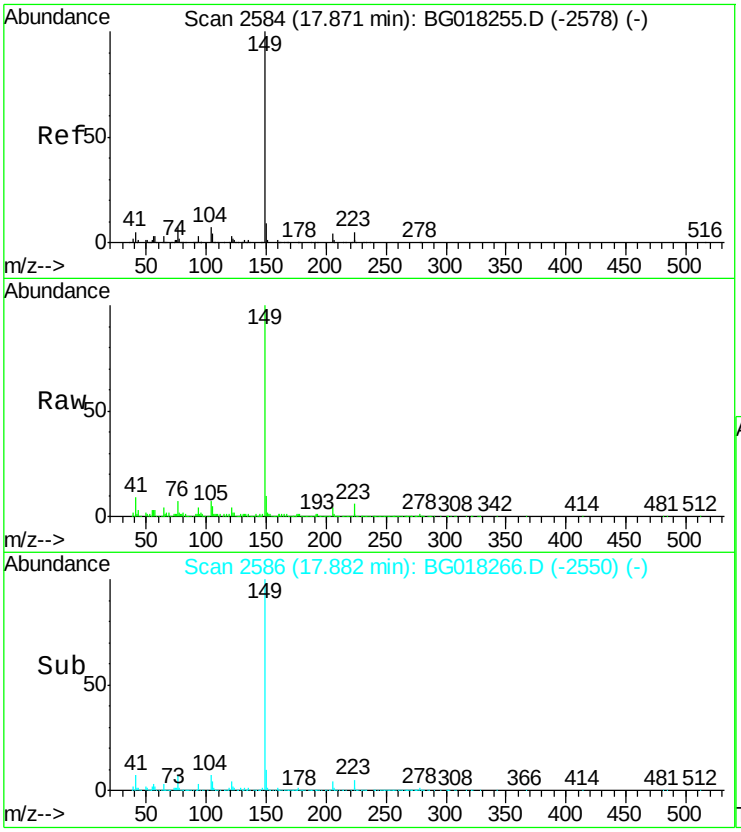


#75
Carbazole
Concen: 5.39 ng/ul
RT: 17.31 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:167 Resp: 56005

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.1	15.1





#76
Di-n-butylphthalate
Concen: 19.72 ng/ul m
RT: 17.88 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:149 Resp: 272698

Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.7	11.5
104	6.9	3.6	5.4#

Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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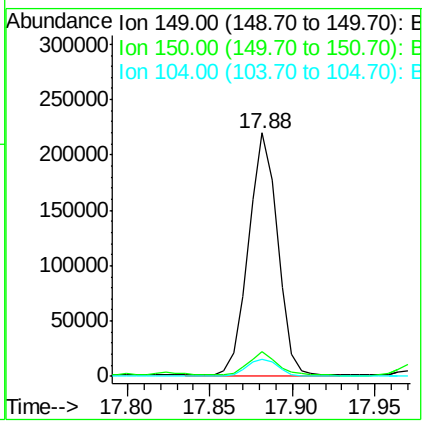
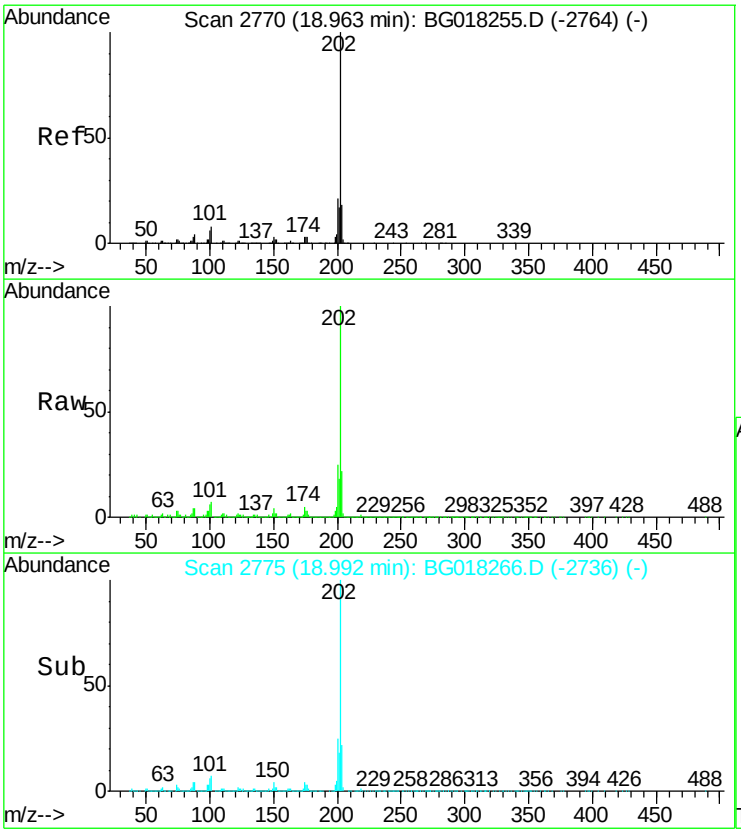
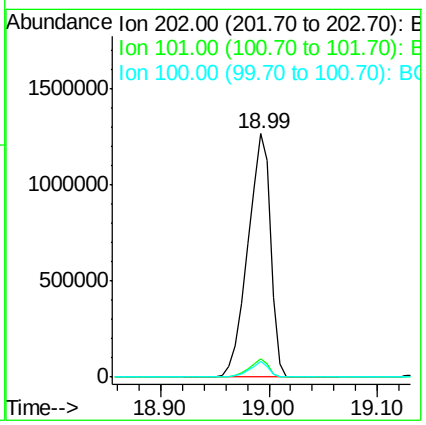


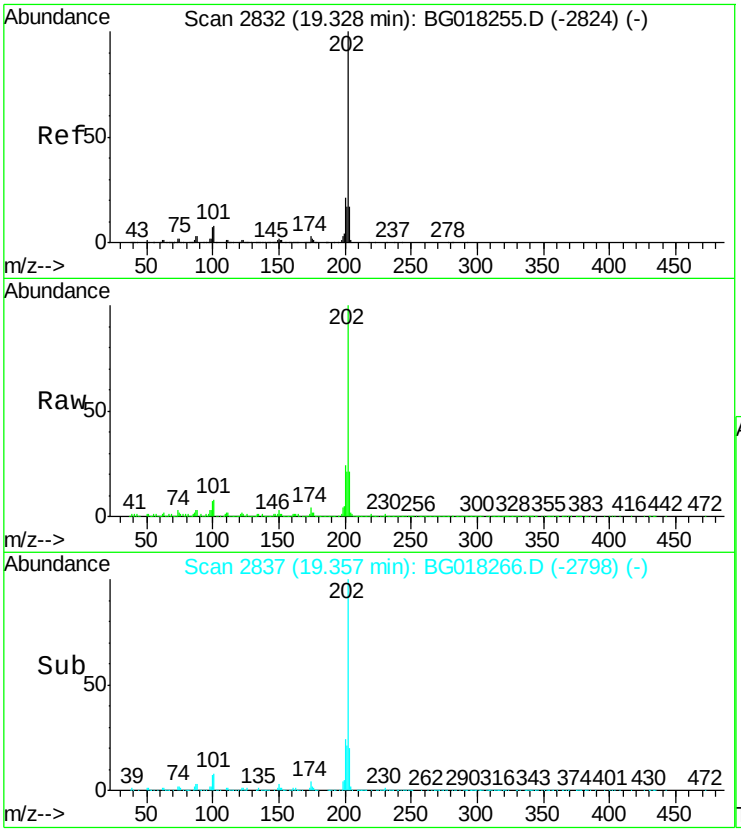


#77
Fluoranthene
Concen: 133.06 ng/ul m
RT: 18.99 min Scan# 2775
Delta R.T. 0.03 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:202 Resp: 1836989

Ion	Ratio	Lower	Upper
202	100		
101	7.5	7.5	11.3#
100	6.4	5.5	8.3





#80
Pyrene
Concen: 119.25 ng/ul m
RT: 19.36 min Scan# 2837
Delta R.T. 0.03 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:202 Resp: 1480382

Ion	Ratio	Lower	Upper
202	100		
101	7.8	8.1	12.1#
100	7.1	7.4	11.0#

Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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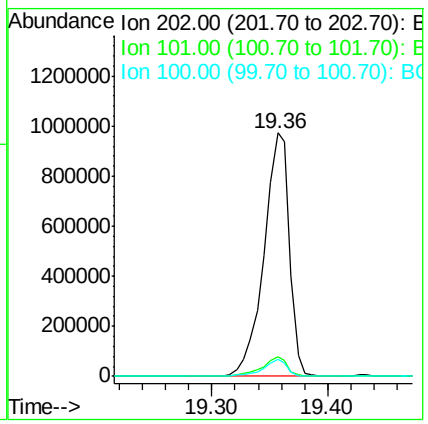
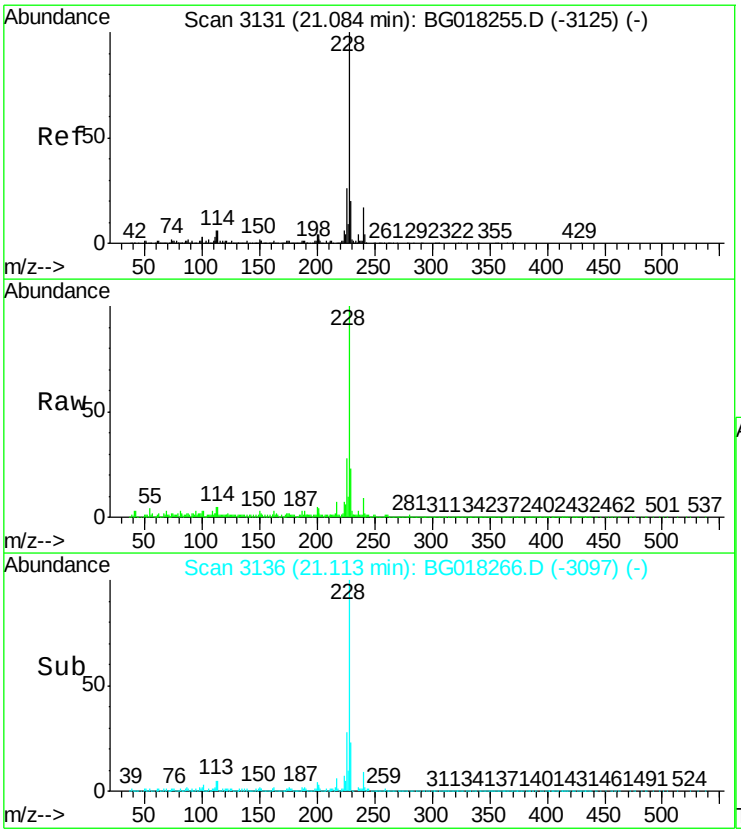
8/7/2015 4:40:54 PM

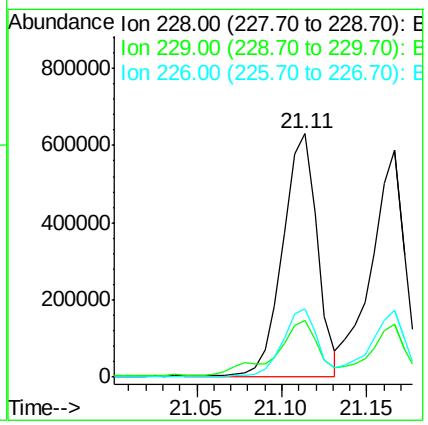


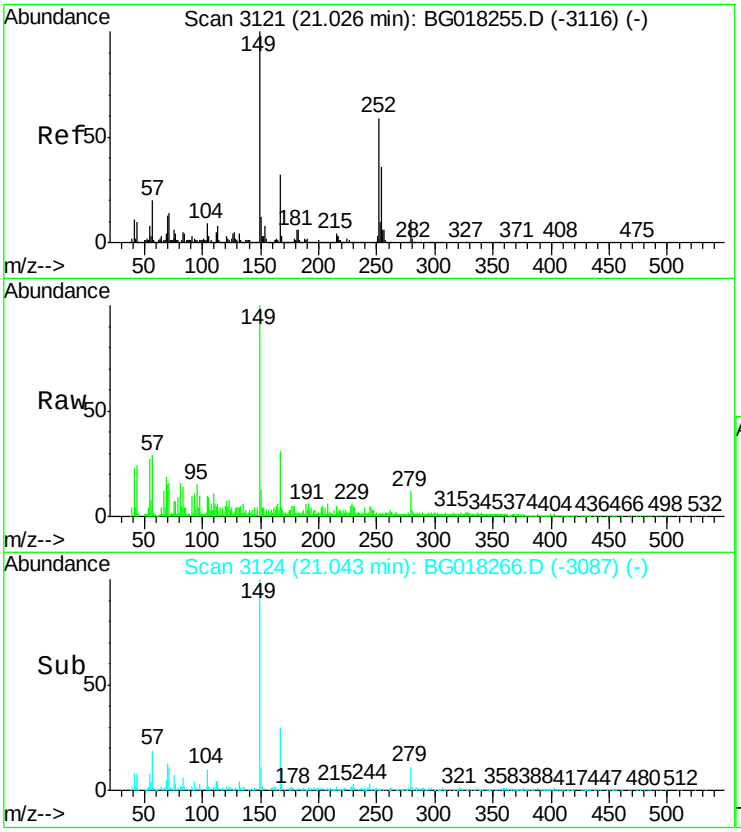


#83
Benzo(a)anthracene
Concen: 81.36 ng/ul m
RT: 21.11 min Scan# 3136
Delta R.T. 0.03 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:228 Resp: 896703

Ion	Ratio	Lower	Upper
228	100		
229	23.2	16.5	24.7
226	28.0	21.5	32.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 14.13 ng/ul m
RT: 21.04 min Scan# 3124
Delta R.T. 0.02 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:149 Resp: 96124

Ion	Ratio	Lower	Upper
149	100		
167	30.8	27.4	41.2
279	11.6	8.3	12.5

Instrument :
BNA_G
ClientSampleId :
C01P5

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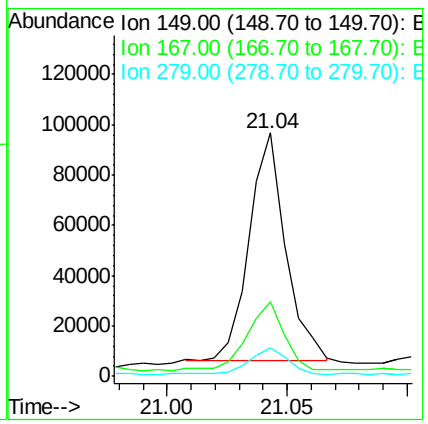
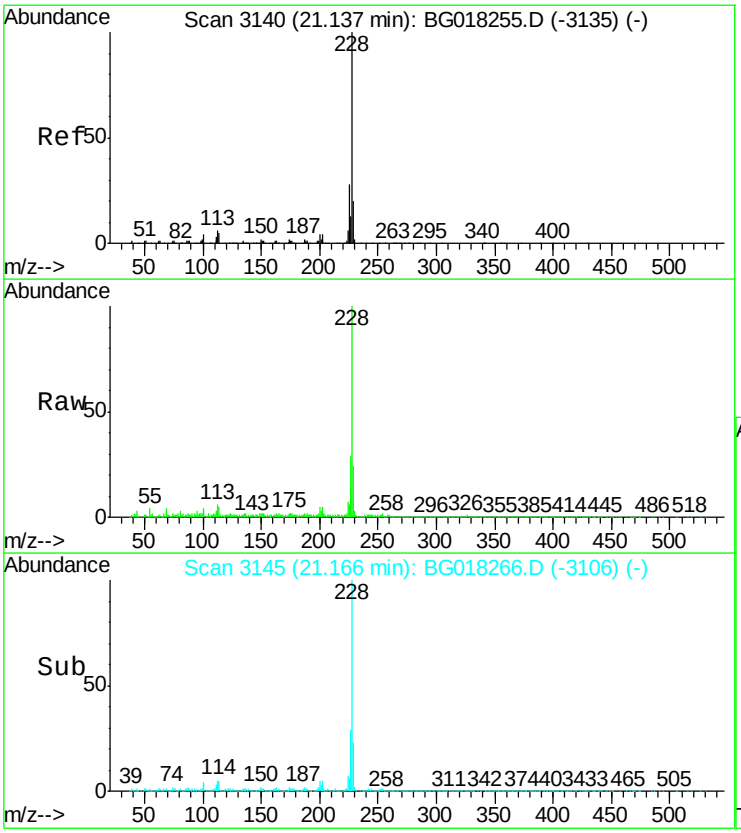
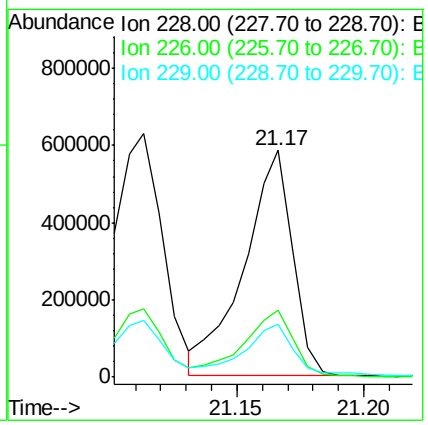


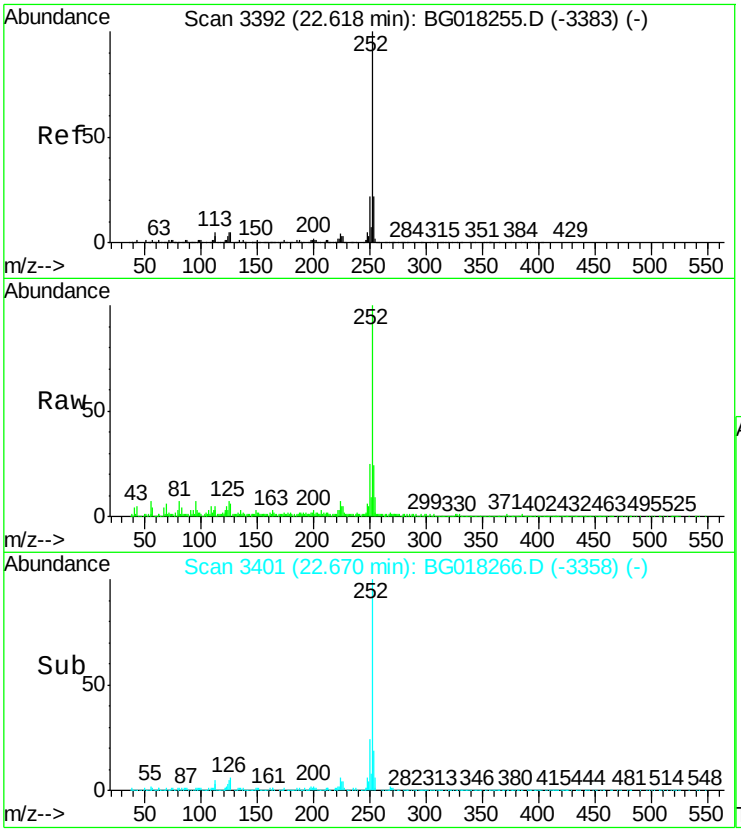


#85
Chrysene
Concen: 76.53 ng/ul
RT: 21.17 min Scan# 3145
Delta R.T. 0.03 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:228 Resp: 772641

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.7	34.1
229	23.6	16.2	24.2

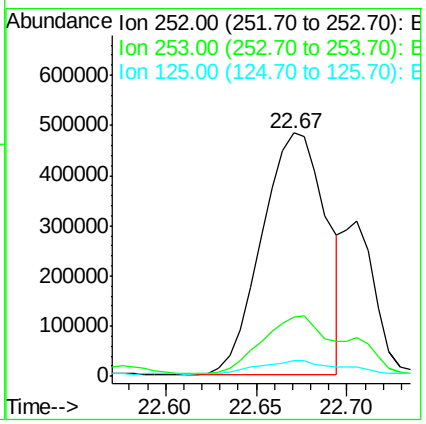




#88
Benzo(b)fluoranthene
Concen: 99.40 ng/ul
RT: 22.67 min Scan# 3401
Delta R.T. 0.05 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:252 Resp: 1193625

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	6.6	7.4	11.0#



Instrument :
BNA_G
ClientSampleId :
C01P5

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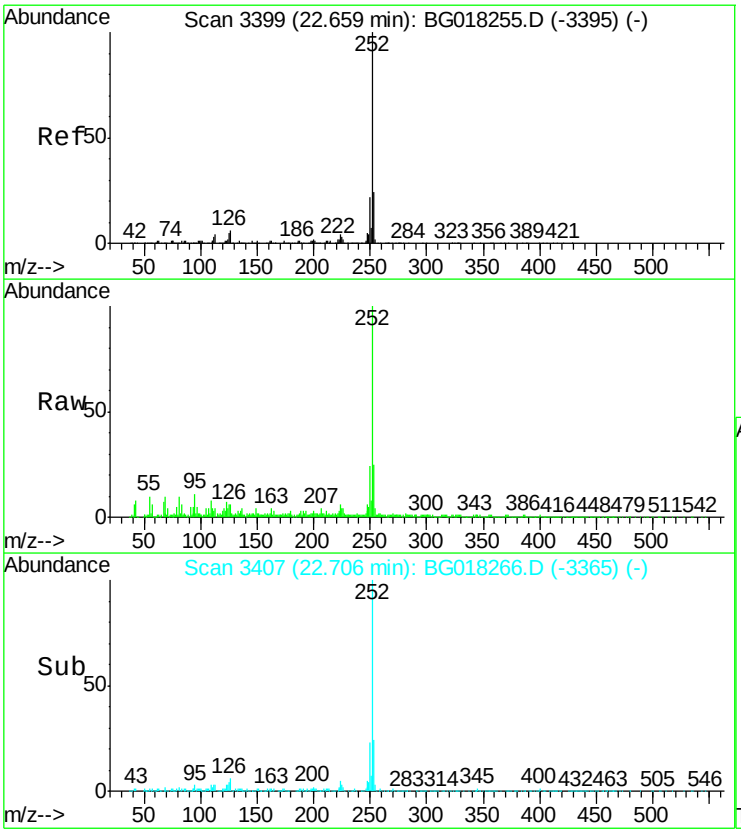
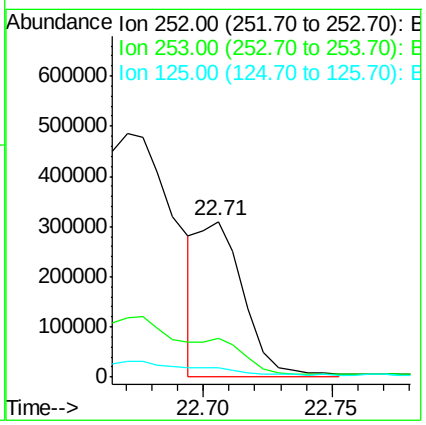
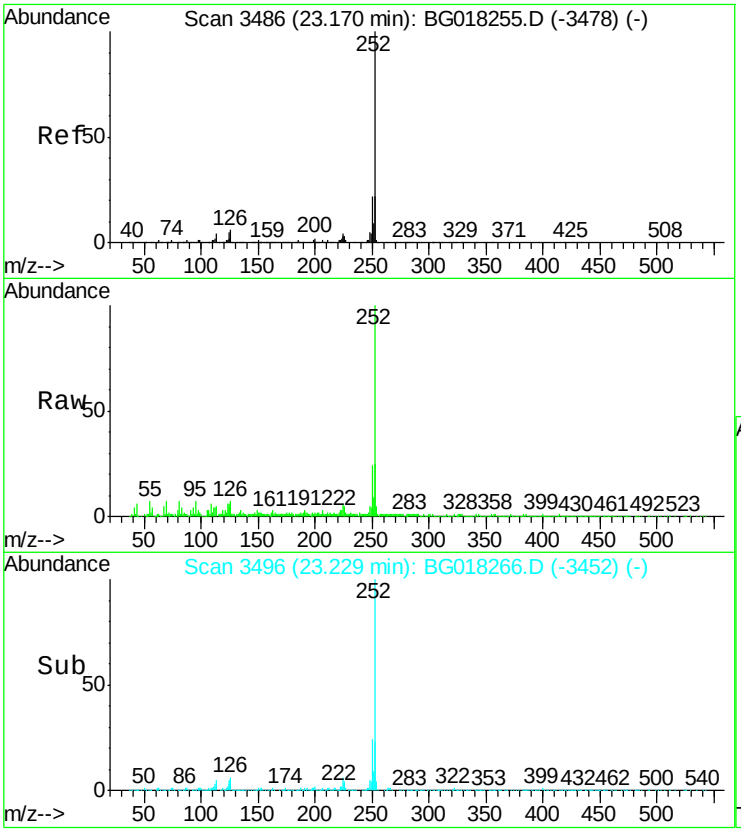


#89
Benzo(k)fluoranthene
Concen: 34.89 ng/ul m
RT: 22.71 min Scan# 3407
Delta R.T. 0.05 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:252 Resp: 385091

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	5.7	7.5	11.3#

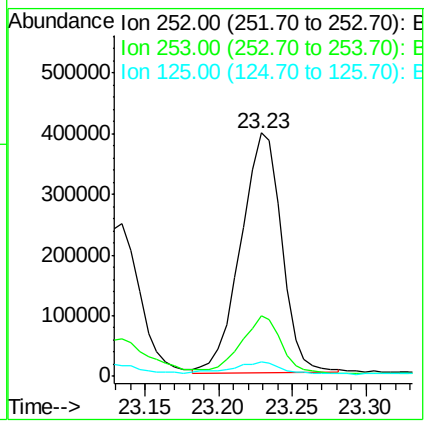




#91
Benzo(a)pyrene
Concen: 71.66 ng/ul m
RT: 23.23 min Scan# 3496
Delta R.T. 0.06 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:252 Resp: 769863

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.2
125	5.8	7.3	10.9#



Instrument :
BNA_G
ClientSampleId :
C01P5

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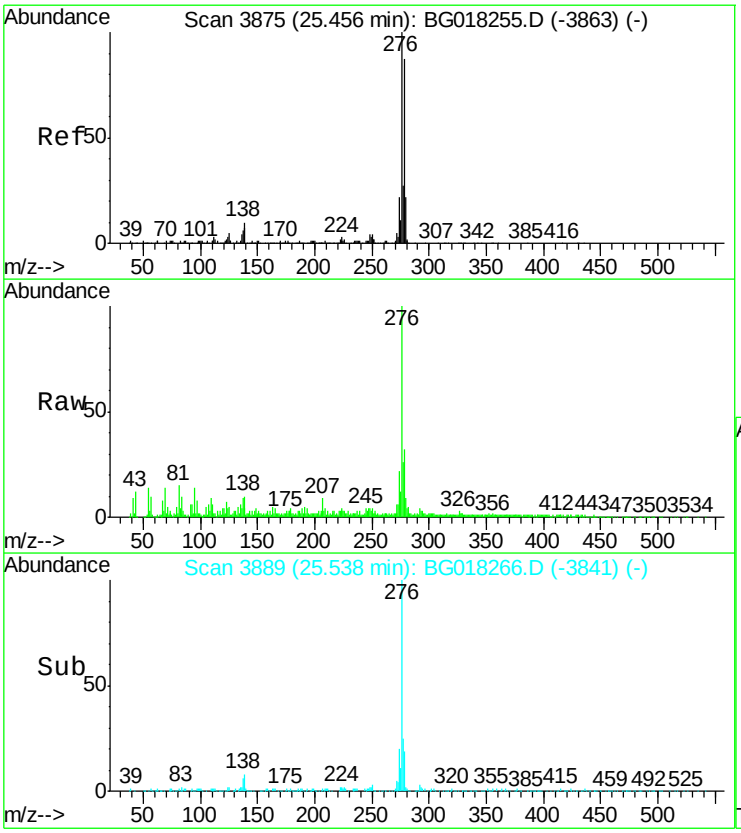
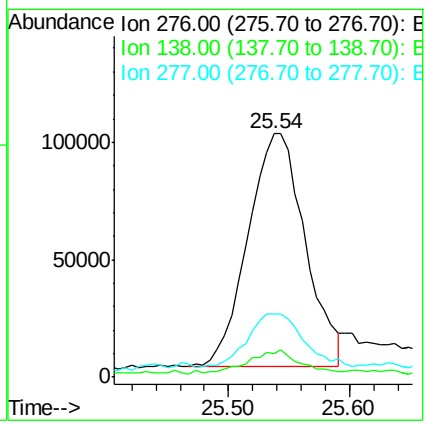
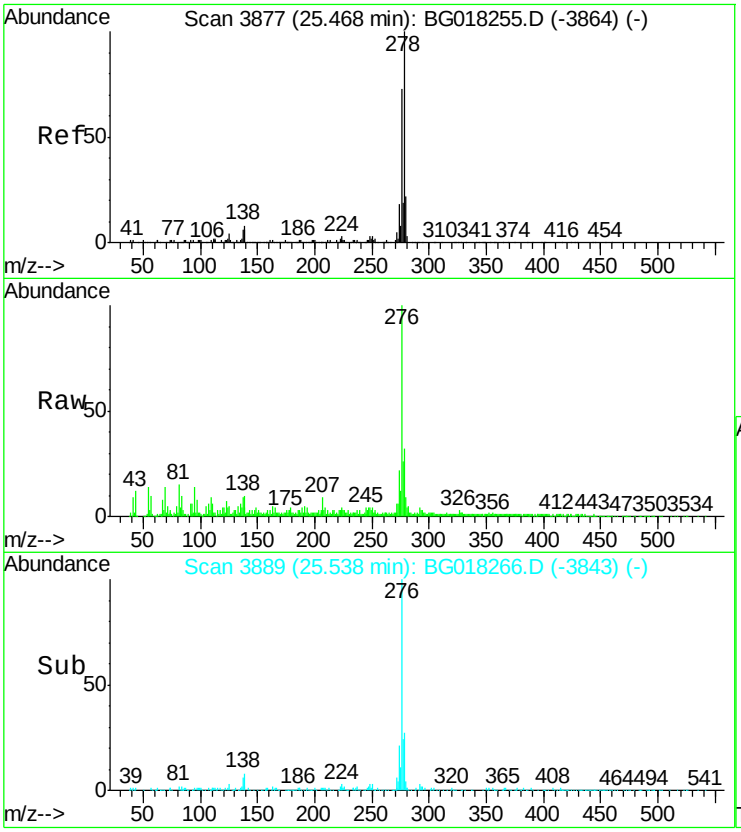


#92
Indeno(1,2,3-cd)pyrene
Concen: 26.33 ng/ul
RT: 25.54 min Scan# 3889
Delta R.T. 0.08 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:276 Resp: 327272

Ion	Ratio	Lower	Upper
276	100		
138	9.8	17.2	25.8#
277	26.1	19.5	29.3





#93
Dibenzo(a,h)anthracene
Concen: 8.93 ng/ul
RT: 25.54 min Scan# 3889
Delta R.T. 0.07 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:278 Resp: 95048

Ion	Ratio	Lower	Upper
278	100		
139	12.0	12.2	18.2#
279	27.5	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
C01P5

Manual Integrations APPROVED
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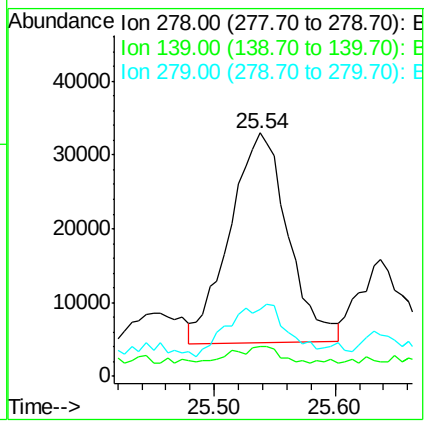

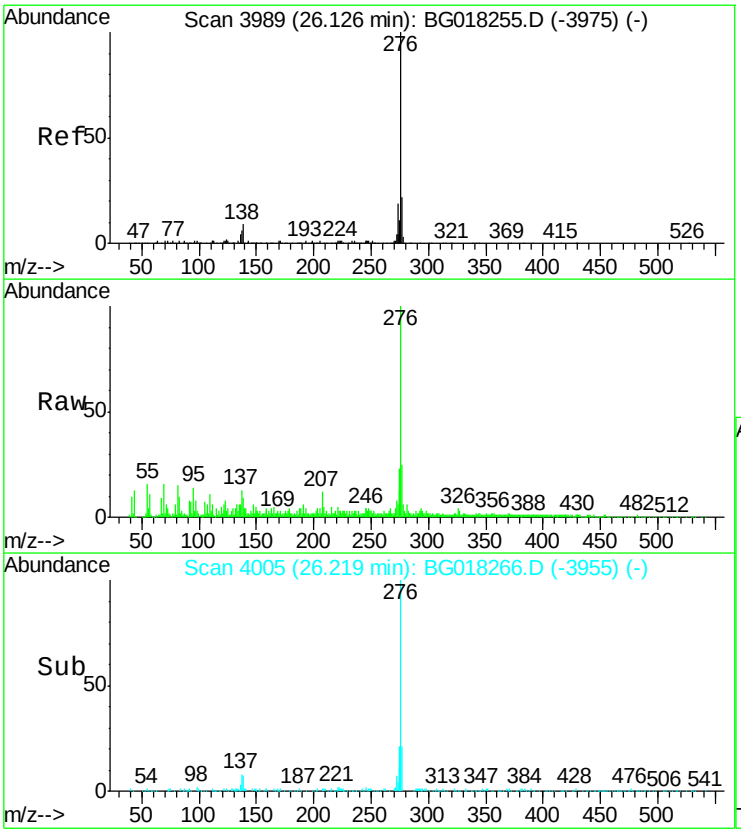

#94
Benzo(g,h,i)perylene
Concen: 27.08 ng/ul
RT: 26.22 min Scan# 4005
Delta R.T. 0.09 min
Lab File: BG018266.D
Acq: 4 Aug 2015 23:00

Tgt Ion:276 Resp: 274813

Ion	Ratio	Lower	Upper
276	100		
138	8.8	15.1	22.7#
277	24.6	19.8	29.6