Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
Data File : BG018263.D
Acq On : 4 Aug 2015 21:15
Operator : UM/TP
Sample : G3109-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F5

Manual Integrations APPROVED
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8/7/2015 4:40:31 PM

Quant Time: Aug 14 03:04:14 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	44700	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	190644	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.13	164	110952	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.90	188	174216m	20.00	ng/ul	0.00
78) Chrysene-d12	21.11	240	149307m	20.00	ng/ul	0.01
86) Perylene-d12	23.29	264	148326	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.94	96	664	1.12	ng/uL	0.00
5) Phenol-d5	6.66	99	52549	13.07	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	27197	13.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	45819	15.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.19	113	36126	11.04	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	23053	15.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	28458	16.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	49578	16.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	12436	3.28	ng/ul	0.01
44) Dimethylphthalate-d6	13.55	166	148319	17.30	ng/ul	0.00
47) Acenaphthylene-d8	13.82	160	167888	16.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	17419	10.98	ng/ul	0.01
58) Fluorene-d10	15.14	176	117054	15.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	9387m	7.72	ng/ul	0.00
71) Anthracene-d10	17.00	188	126493	16.70	ng/ul	0.00
79) Pyrene-d10	19.31	212	97901m	13.55	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.16	264	116990	15.60	ng/ul	0.03
Target Compounds						Qvalue
28) Naphthalene	10.29	128	19661	2.14	ng/ul	96
34) 2-Methylnaphthalene	11.92	142	12356	1.70	ng/ul	99
45) Dimethylphthalate	13.60	163	78485	9.20	ng/ul	99
50) Acenaphthene	14.20	153	33965	5.28	ng/ul	96
54) Dibenzofuran	14.54	168	27282	2.82	ng/ul#	68
59) Fluorene	15.19	166	38558	4.61	ng/ul	99
70) Phenanthrene	16.94	178	609524m	68.87	ng/ul	
72) Anthracene	17.03	178	101806	11.56	ng/ul	99
75) Carbazole	17.31	167	55135	7.54	ng/ul	98
76) Di-n-butylphthalate	17.88	149	61913m	6.36	ng/ul	
77) Fluoranthene	18.98	202	797473m	82.04	ng/ul	
80) Pyrene	19.35	202	631670m	69.75	ng/ul	
81) Butylbenzylphthalate	20.25	149	19584m	5.32	ng/ul	
83) Benzo(a)anthracene	21.10	228	350393m	43.58	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.04	149	136783	27.56	ng/ul	97
85) Chrysene	21.15	228	366483	49.76	ng/ul	97
88) Benzo(b)fluoranthene	22.65	252	507620	56.97	ng/ul#	96
89) Benzo(k)fluoranthene	22.68	252	180390m	22.03	ng/ul	
91) Benzo(a)pyrene	23.21	252	345716m	43.37	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.51	276	192495	20.87	ng/ul#	84
93) Dibenzo(a,h)anthracene	25.50	278	58906	7.46	ng/ul	92
94) Benzo(g,h,i)perylene	26.20	276	149222	19.81	ng/ul#	93

Quantitation Report (LSC Reviewed)

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Sample : G3109-21
Misc :
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Quant Time: Aug 14 03:04:14 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 :
C02F5

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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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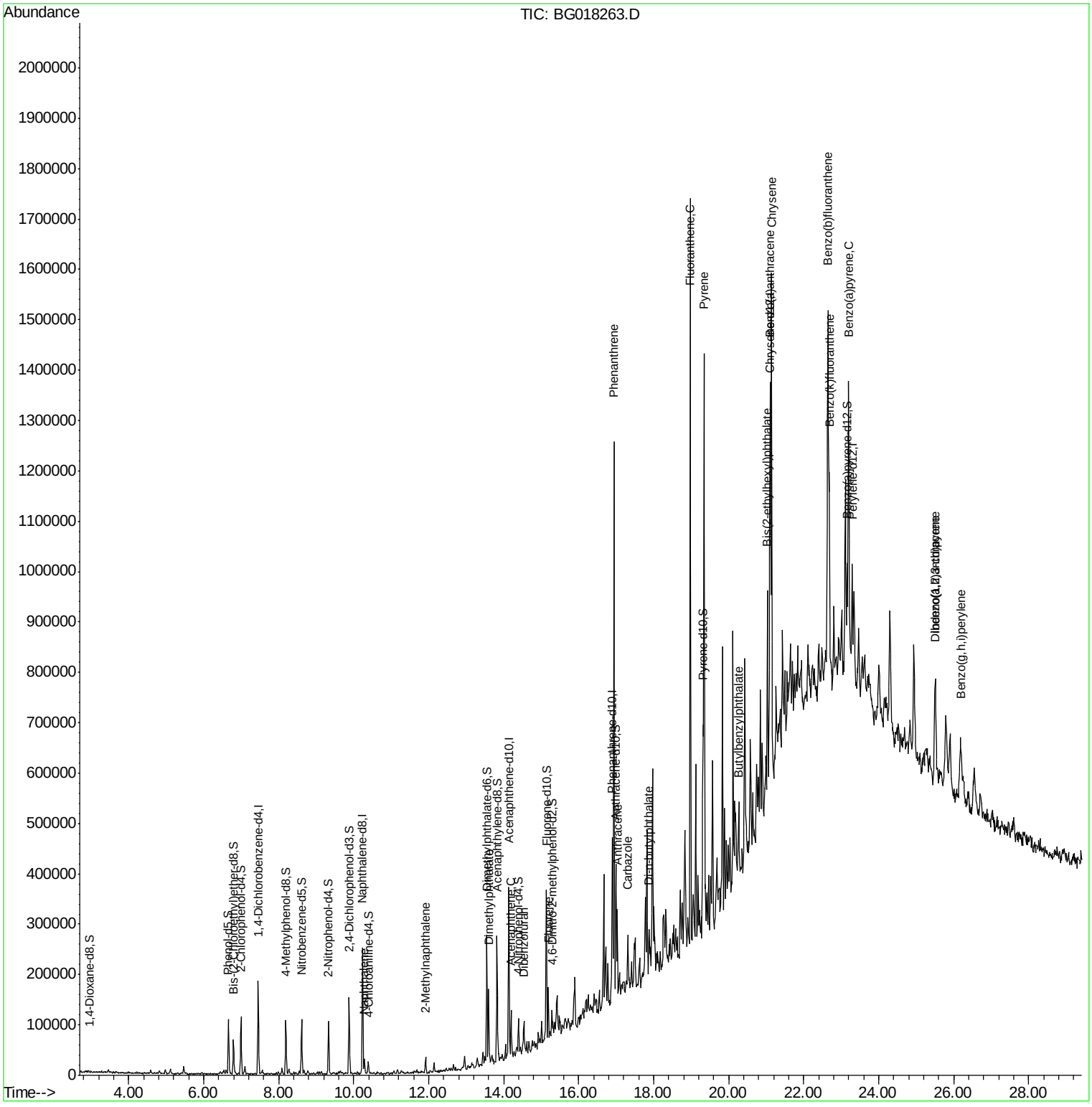
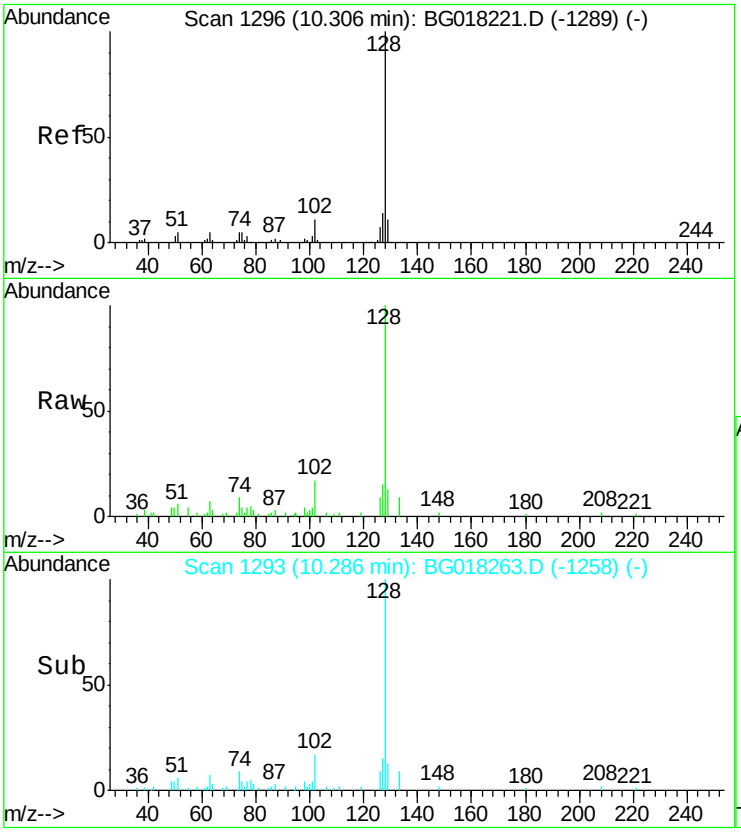
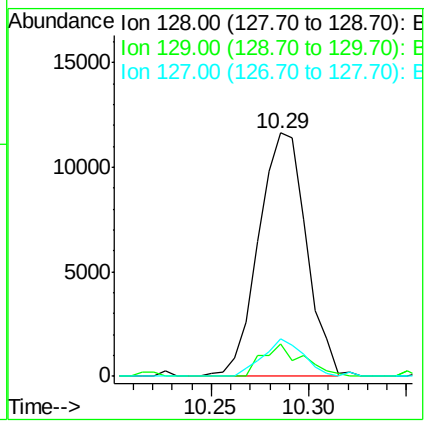




#28
Naphthalene
Concen: 2.14 ng/ul
RT: 10.29 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:128 Resp: 19661

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.1	13.7
127	15.2	11.2	16.8



Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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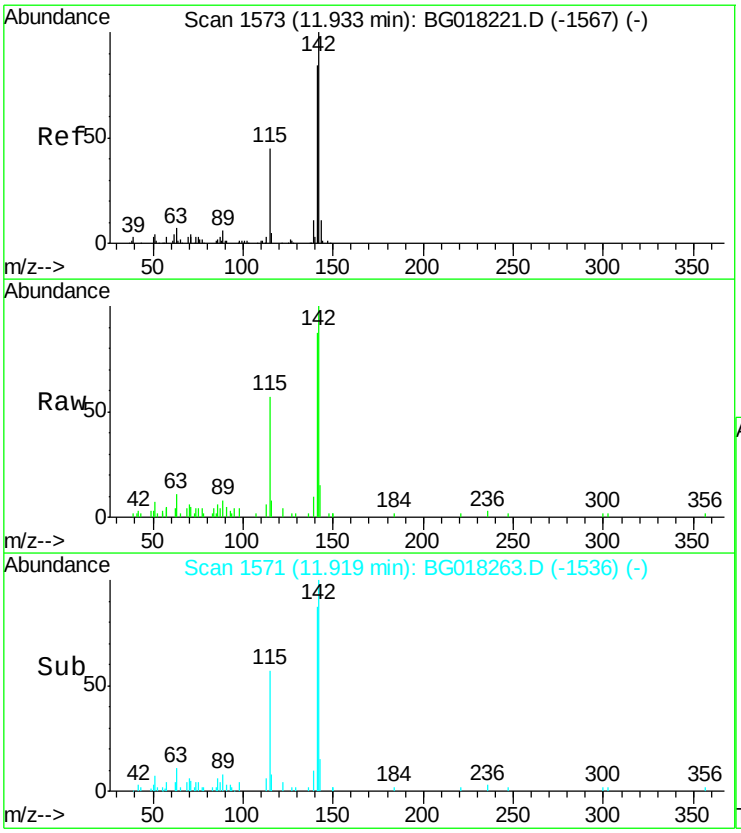
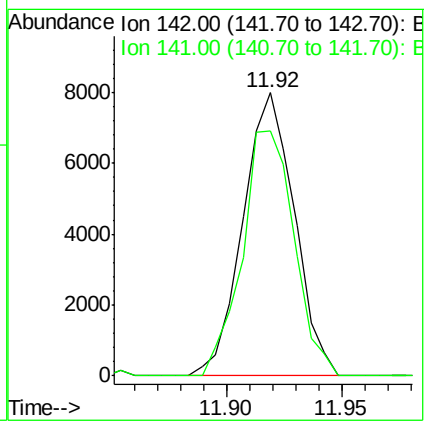
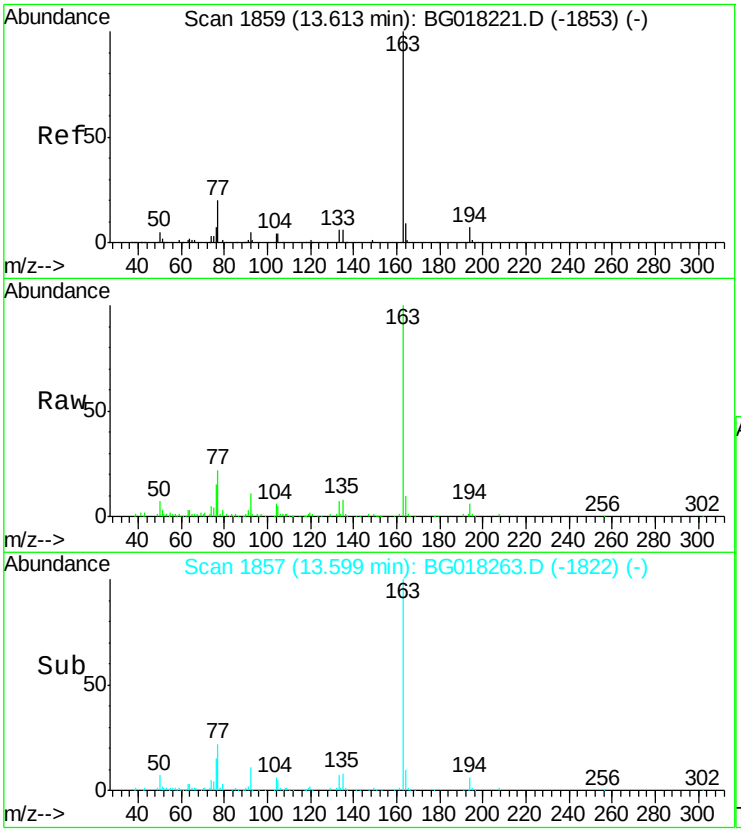


#34
2-Methylnaphthalene
Concen: 1.70 ng/ul
RT: 11.92 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:142 Resp: 12356

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.3	105.5

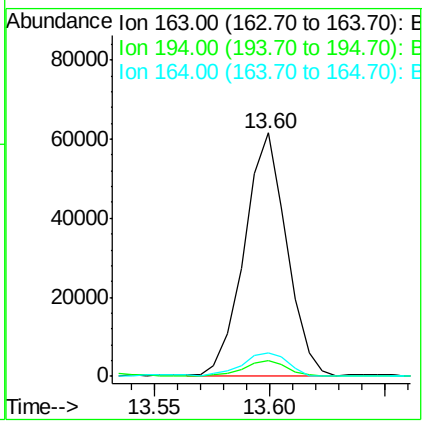




#45
Dimethylphthalate
Concen: 9.20 ng/ul
RT: 13.60 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:163 Resp: 78485

Ion	Ratio	Lower	Upper
163	100		
194	6.4	5.2	7.8
164	9.7	8.4	12.6



Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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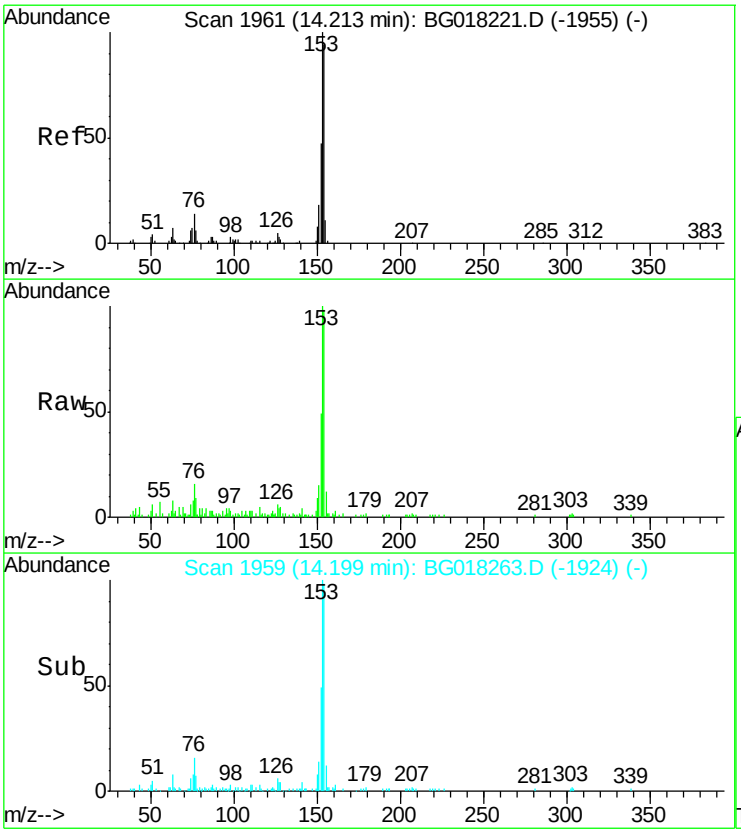
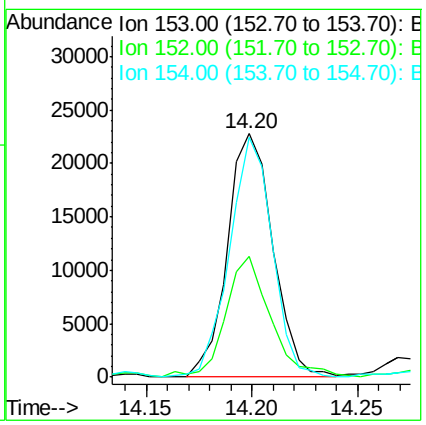
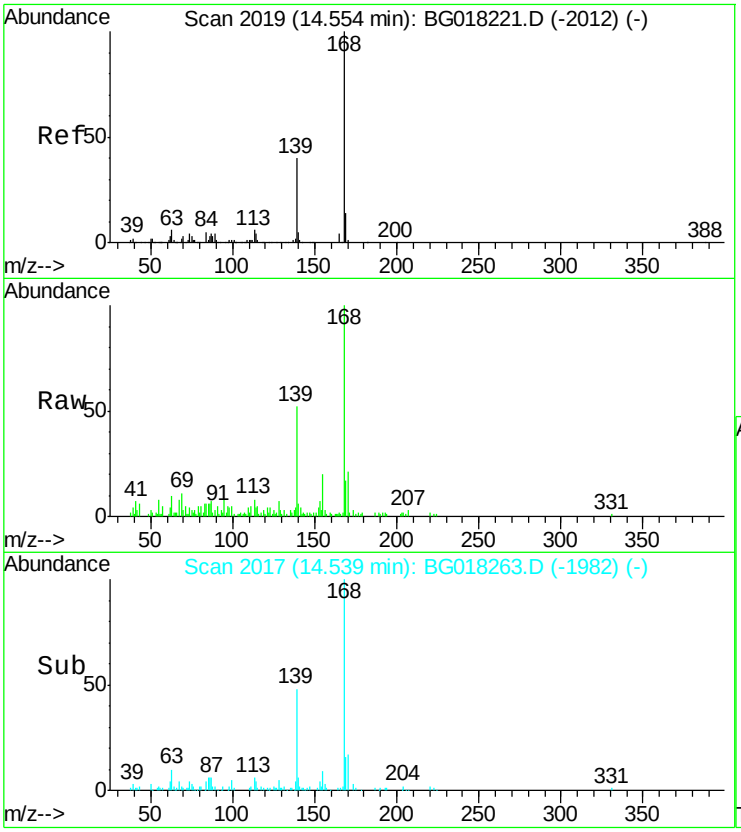


#50
Acenaphthene
Concen: 5.28 ng/ul
RT: 14.20 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:153 Resp: 33965

Ion	Ratio	Lower	Upper
153	100		
152	49.4	38.7	58.1
154	98.5	74.8	112.2





#54
Dibenzofuran
Concen: 2.82 ng/ul
RT: 14.54 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:168 Resp: 27282

Ion	Ratio	Lower	Upper
168	100		
139	51.7	26.8	40.2#

Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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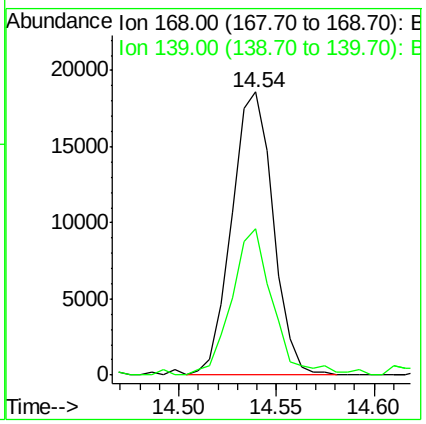
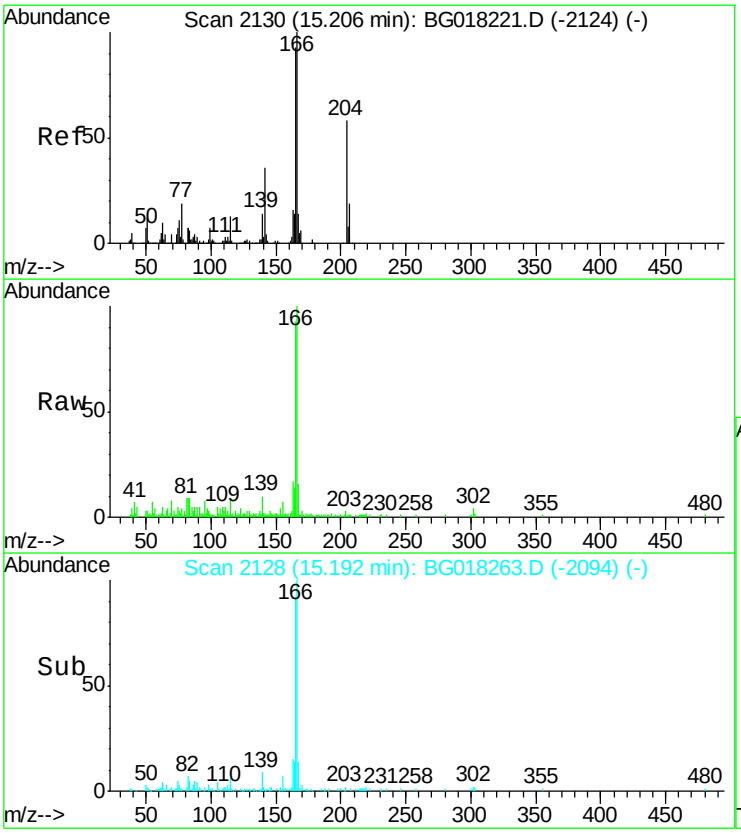
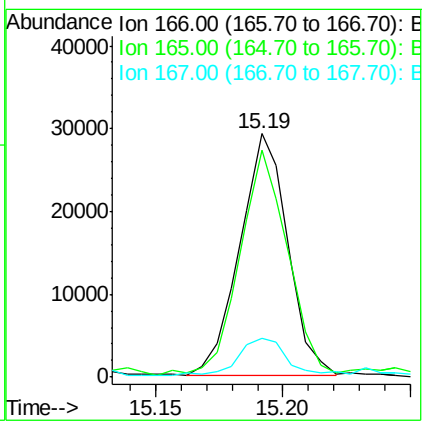


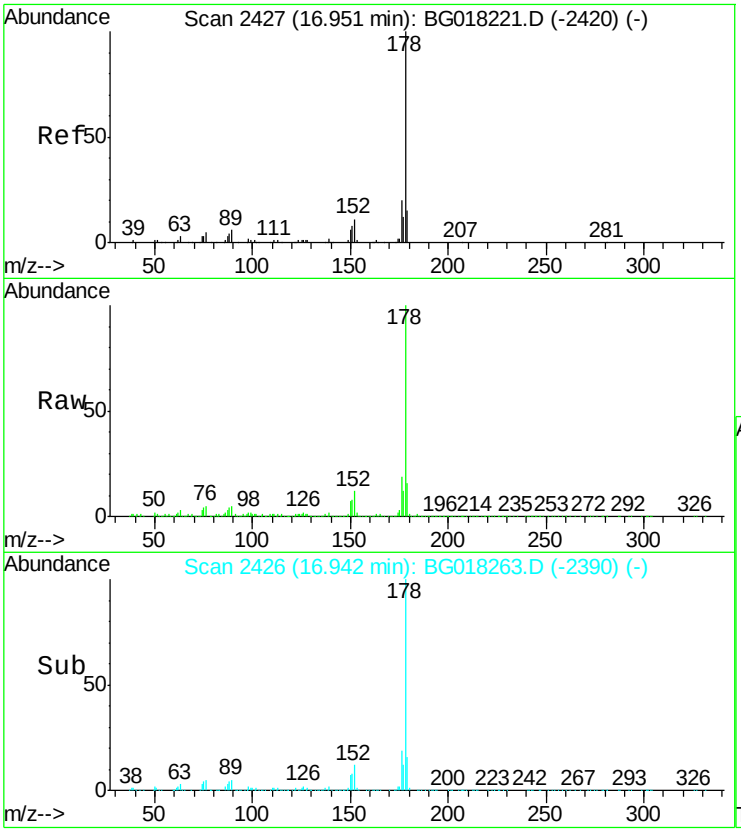


#59
Fluorene
Concen: 4.61 ng/ul
RT: 15.19 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:166 Resp: 38558

Ion	Ratio	Lower	Upper
166	100		
165	93.3	75.1	112.7
167	15.9	11.8	17.6

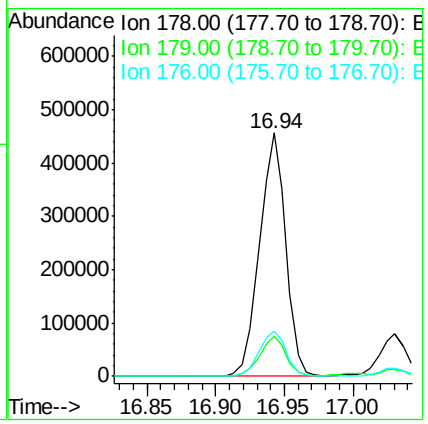




#70
Phenanthrene
Concen: 68.87 ng/ul m
RT: 16.94 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:178 Resp: 609524

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.8	19.2
176	18.8	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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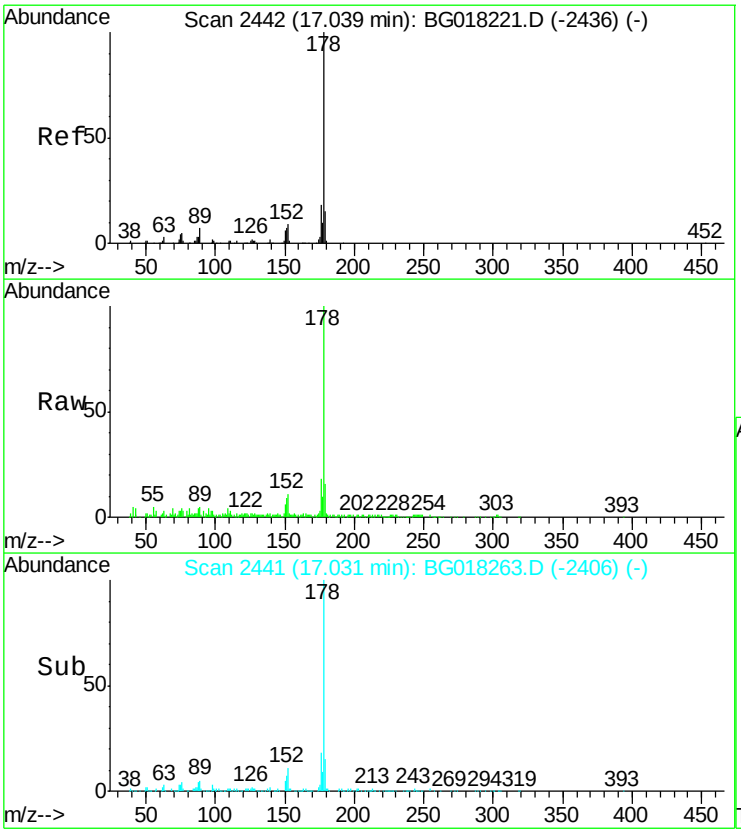
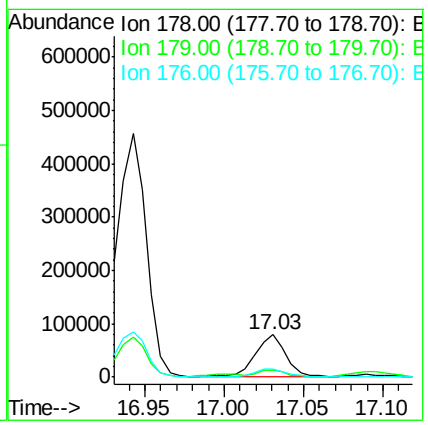
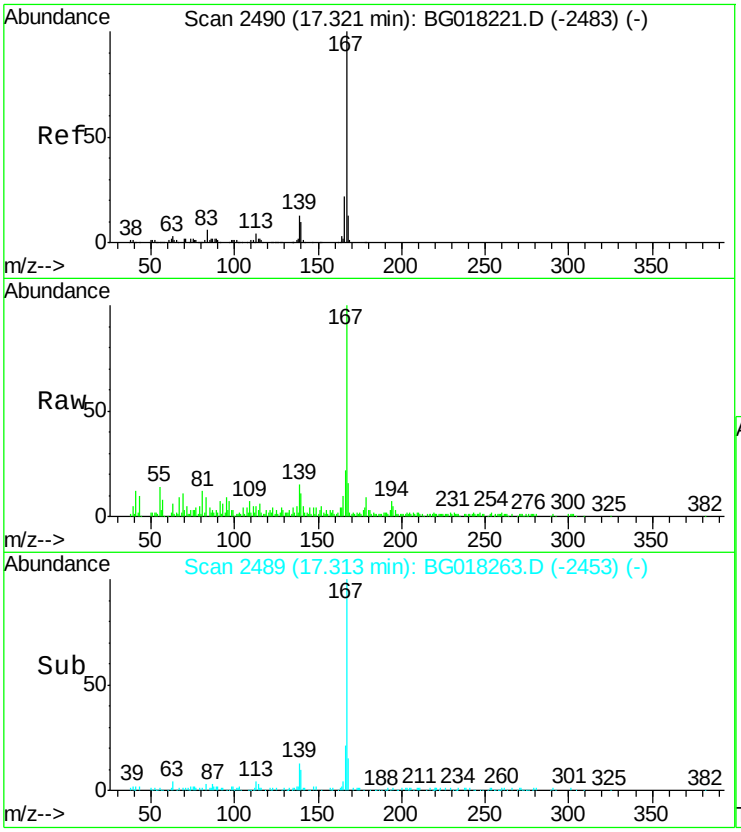


#72
Anthracene
Concen: 11.56 ng/ul
RT: 17.03 min Scan# 2441
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:178 Resp: 101806

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	18.4	14.8	22.2





#75
Carbazole
Concen: 7.54 ng/ul
RT: 17.31 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:167 Resp: 55135

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	14.6	10.1	15.1

Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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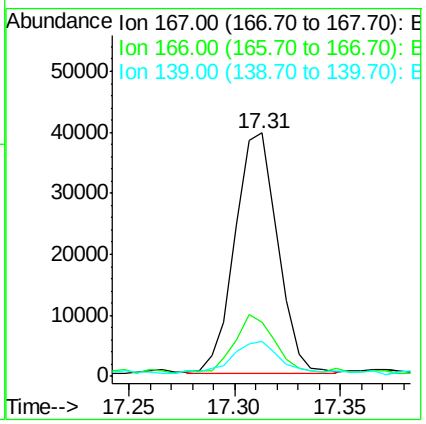
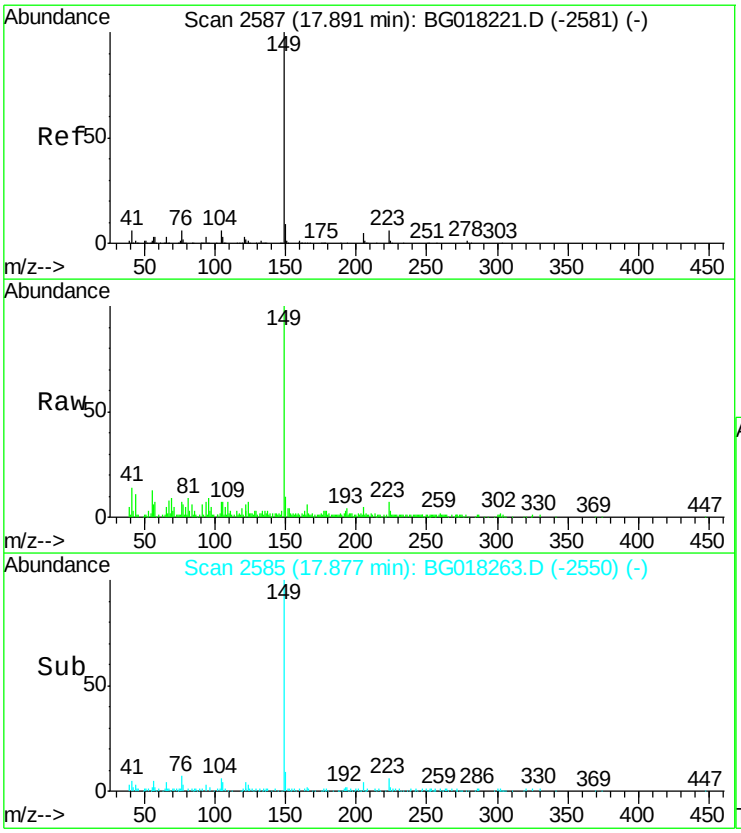
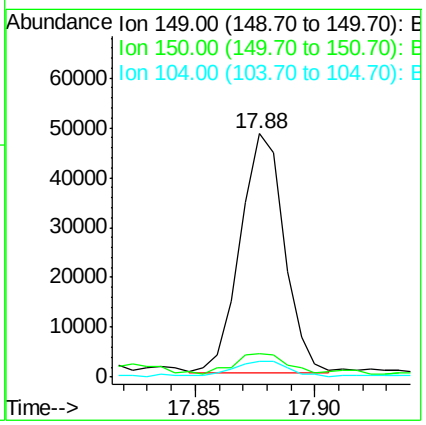


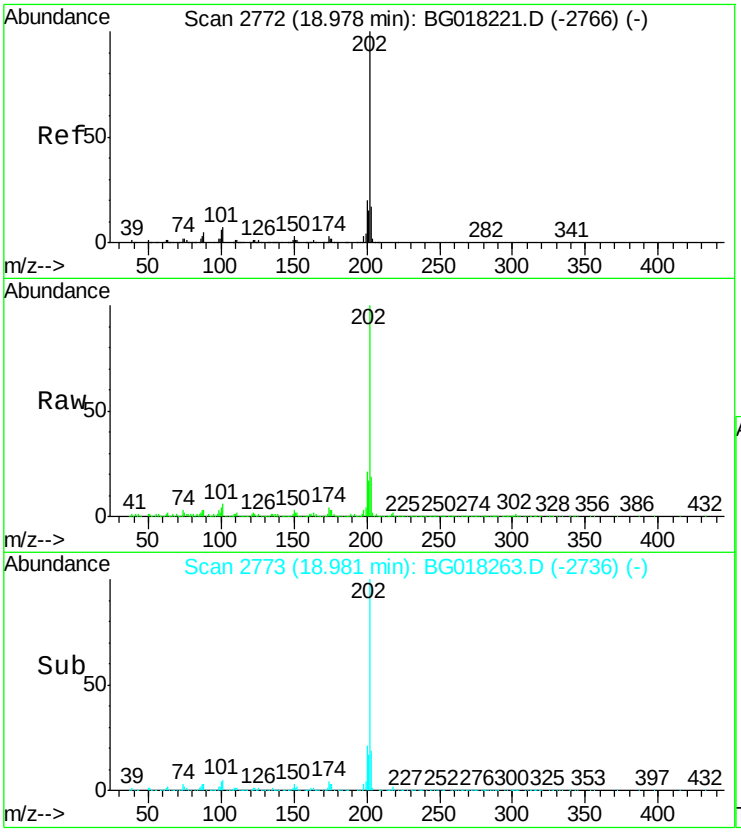


#76
Di-n-butylphthalate
Concen: 6.36 ng/ul m
RT: 17.88 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:149 Resp: 61913

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	6.6	3.6	5.4#

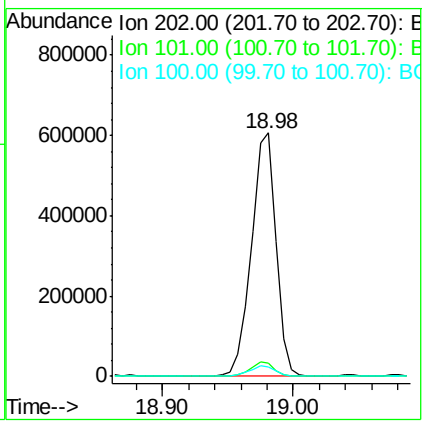




#77
Fluoranthene
Concen: 82.04 ng/ul m
RT: 18.98 min Scan# 2773
Delta R.T. 0.02 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:202 Resp: 797473

Ion	Ratio	Lower	Upper
202	100		
101	5.7	7.5	11.3#
100	4.1	5.5	8.3#



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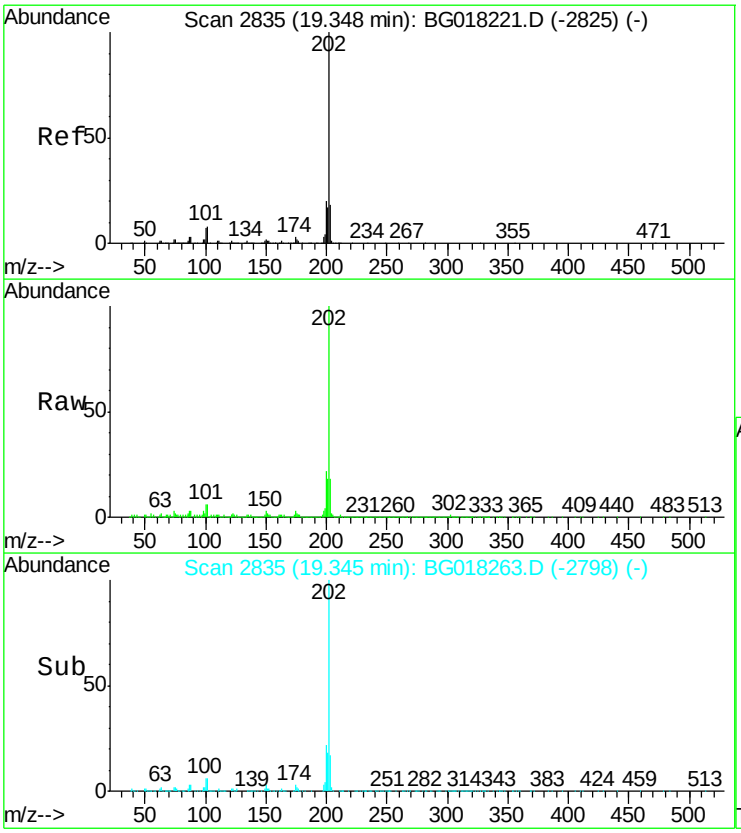
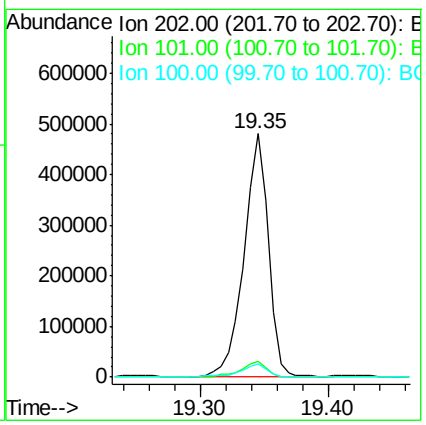
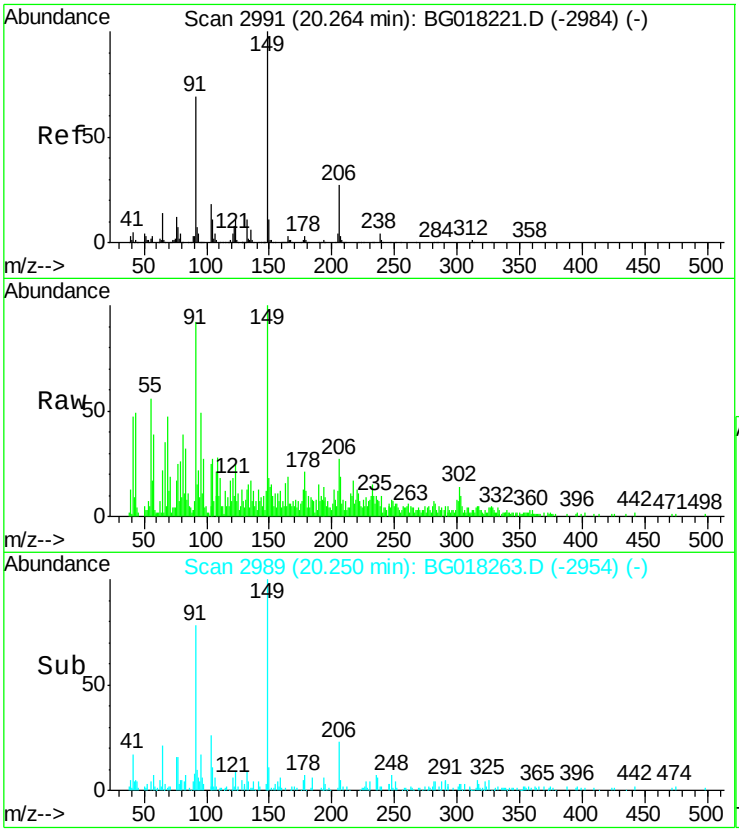


#80
Pyrene
Concen: 69.75 ng/ul m
RT: 19.35 min Scan# 2835
Delta R.T. 0.02 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:202 Resp: 631670

Ion	Ratio	Lower	Upper
202	100		
101	6.3	8.1	12.1#
100	5.7	7.4	11.0#





#81
Butylbenzylphthalate
Concen: 5.32 ng/ul m
RT: 20.25 min Scan# 2989
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:149 Resp: 19584

Ion	Ratio	Lower	Upper
149	100		
91	91.8	46.6	69.8#
206	26.6	21.8	32.8

Instrument :
BNA_G
ClientSampleId :
C02F5

Manual Integrations APPROVED
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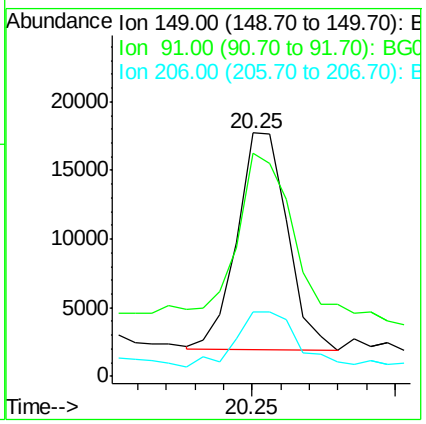
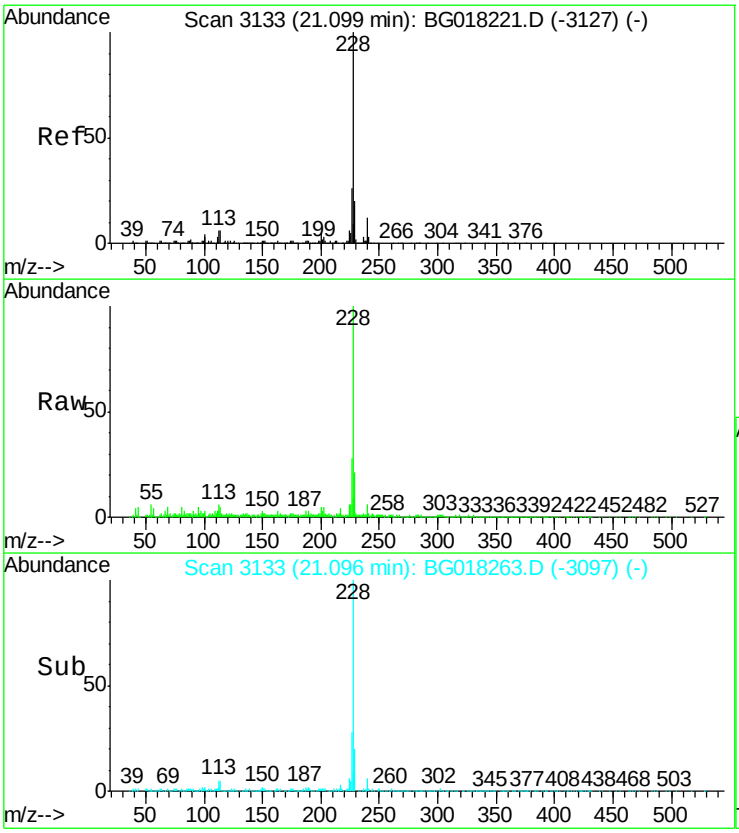
8/7/2015 4:40:31 PM

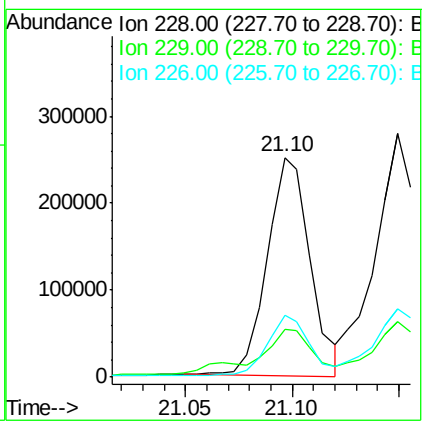


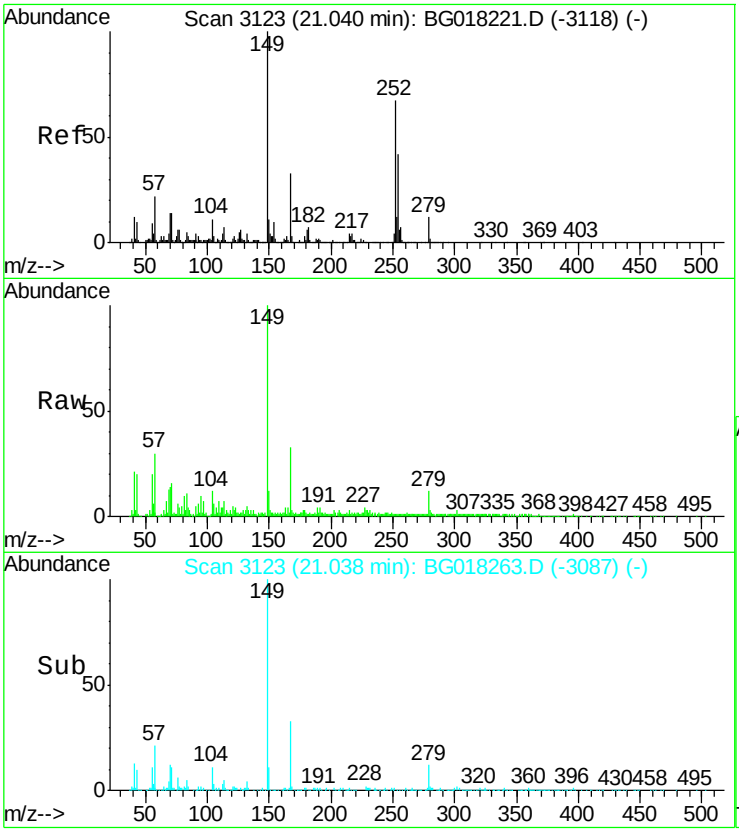


#83
Benzo(a)anthracene
Concen: 43.58 ng/ul m
RT: 21.10 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:228 Resp: 350393

Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.5	24.7
226	28.1	21.5	32.3

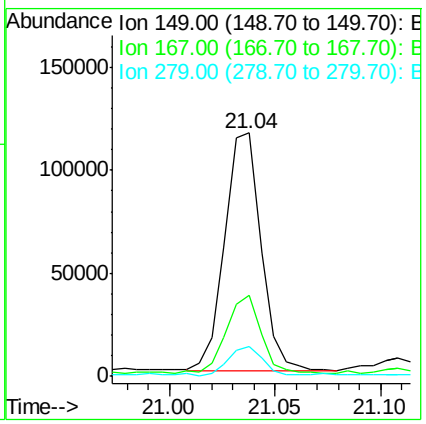




#84
Bis(2-ethylhexyl)phthalate
Concen: 27.56 ng/ul
RT: 21.04 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:149 Resp: 136783

Ion	Ratio	Lower	Upper
149	100		
167	33.2	27.4	41.2
279	12.3	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
C02F5

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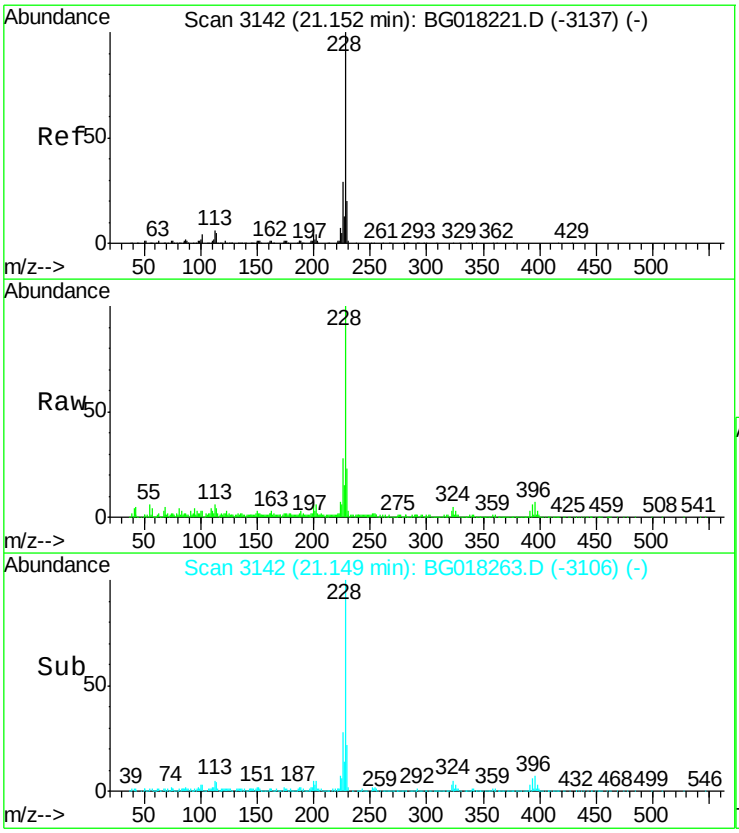
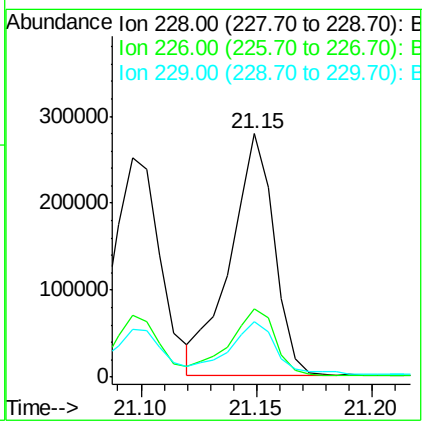
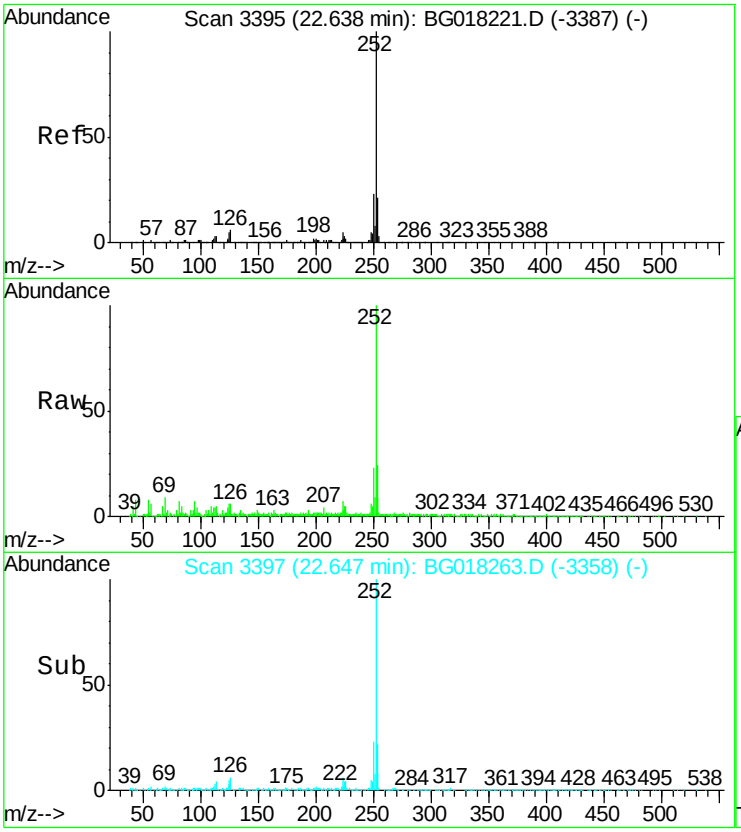


#85
Chrysene
Concen: 49.76 ng/ul
RT: 21.15 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:228 Resp: 366483

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	22.6	16.2	24.2





#88
Benzo(b)fluoranthene
Concen: 56.97 ng/ul
RT: 22.65 min Scan# 3397
Delta R.T. 0.03 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:252 Resp: 507620

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	6.1	7.4	11.0#

Instrument :
BNA_G
ClientSampleId :
C02F5

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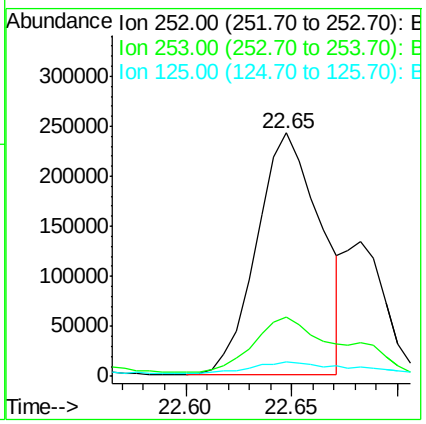
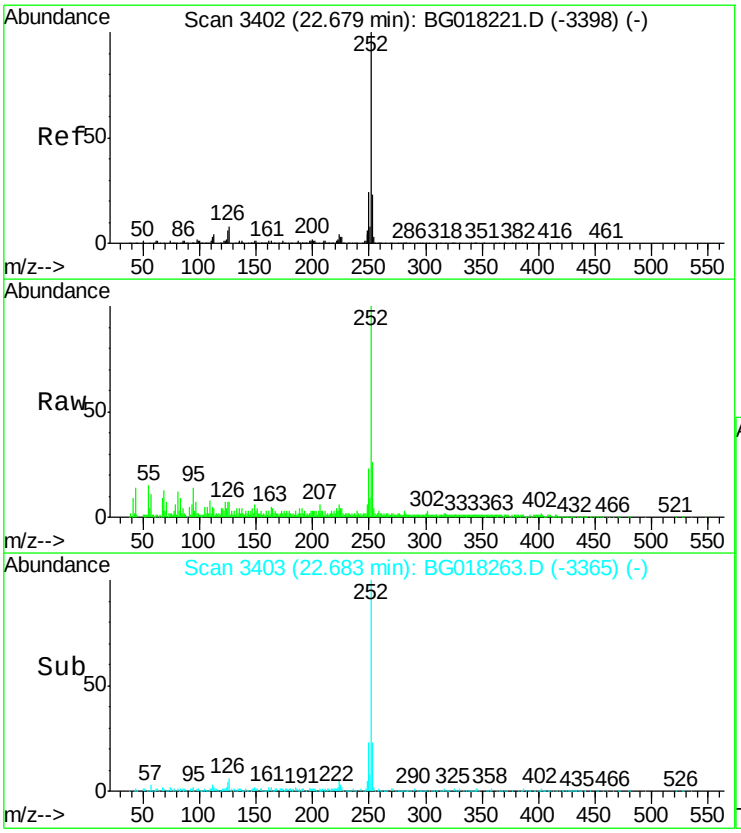
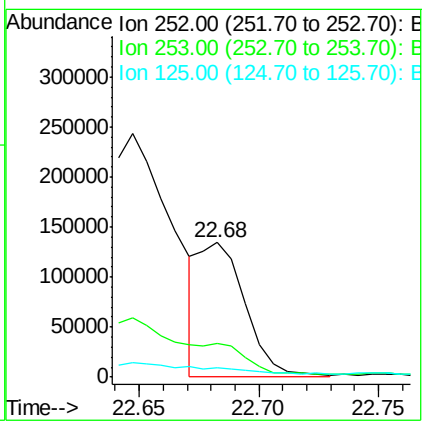


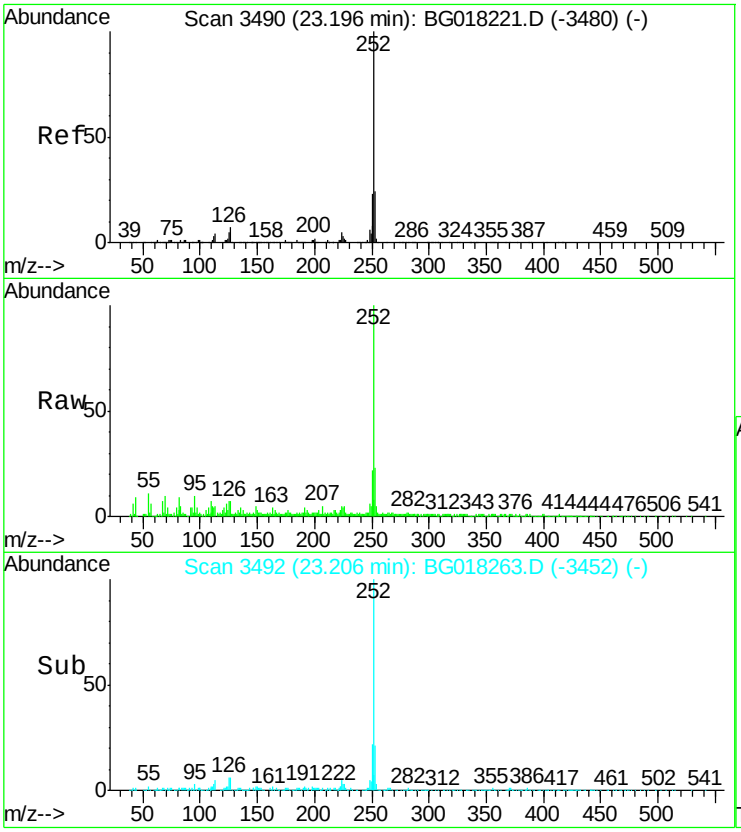


#89
Benzo(k)fluoranthene
Concen: 22.03 ng/ul m
RT: 22.68 min Scan# 3403
Delta R.T. 0.02 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:252 Resp: 180390

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	6.8	7.5	11.3#





#91
Benzo(a)pyrene
Concen: 43.37 ng/ul m
RT: 23.21 min Scan# 3492
Delta R.T. 0.04 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:252 Resp: 345716

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	7.1	7.3	10.9#

Instrument :
BNA_G
ClientSampleId :
C02F5

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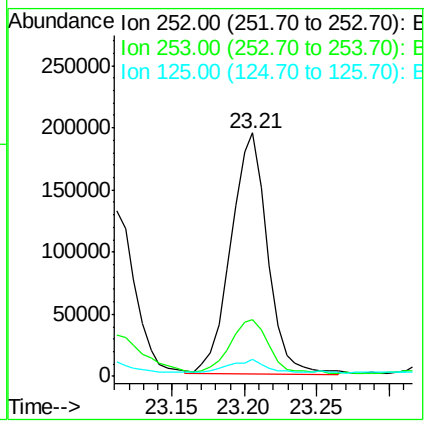
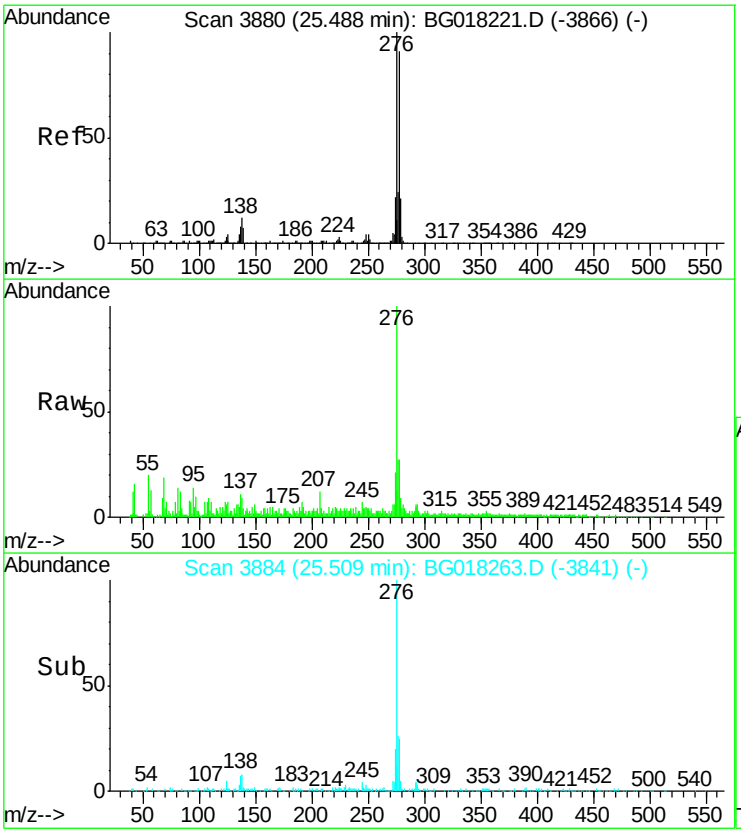
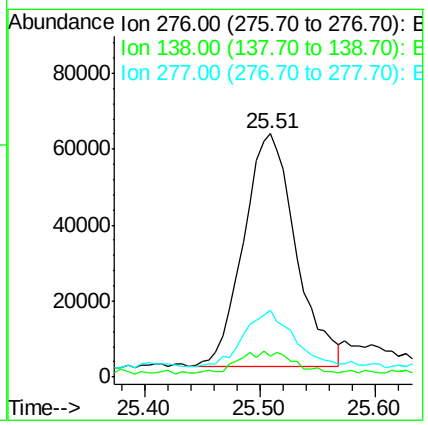


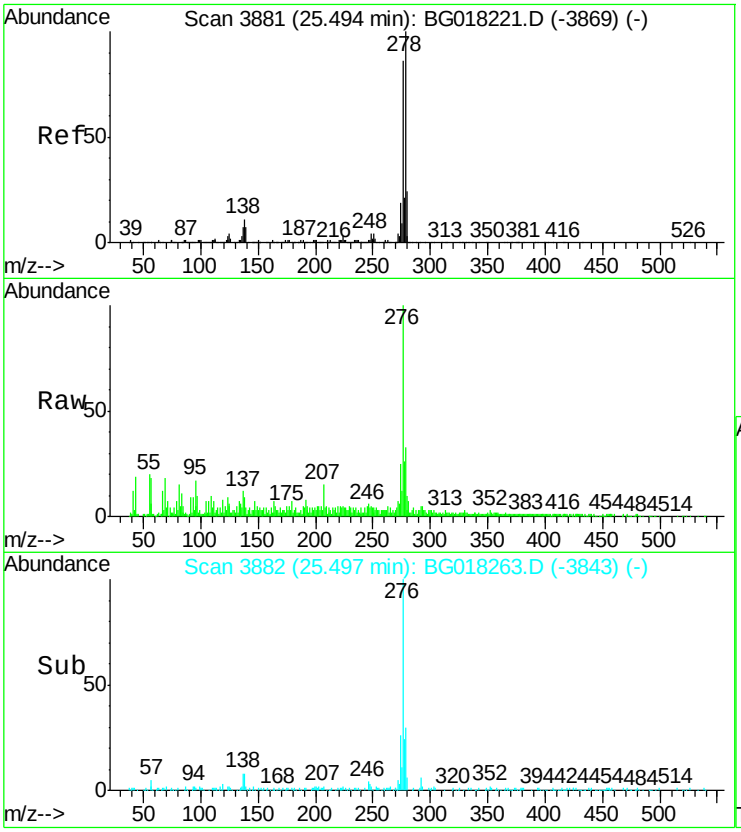


#92
Indeno(1,2,3-cd)pyrene
Concen: 20.87 ng/ul
RT: 25.51 min Scan# 3884
Delta R.T. 0.05 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:276 Resp: 192495

Ion	Ratio	Lower	Upper
276	100		
138	8.6	17.2	25.8#
277	27.4	19.5	29.3

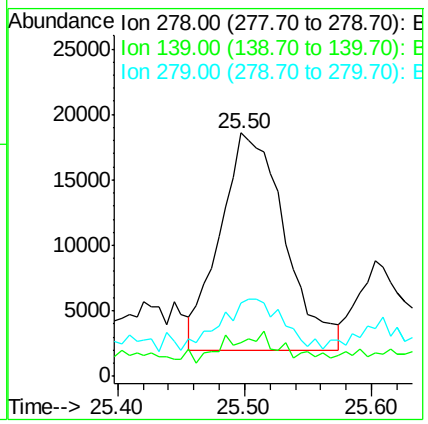




#93
Dibenzo(a,h)anthracene
Concen: 7.46 ng/ul
RT: 25.50 min Scan# 3882
Delta R.T. 0.03 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:278 Resp: 58906

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.2	18.2
279	30.0	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
C02F5

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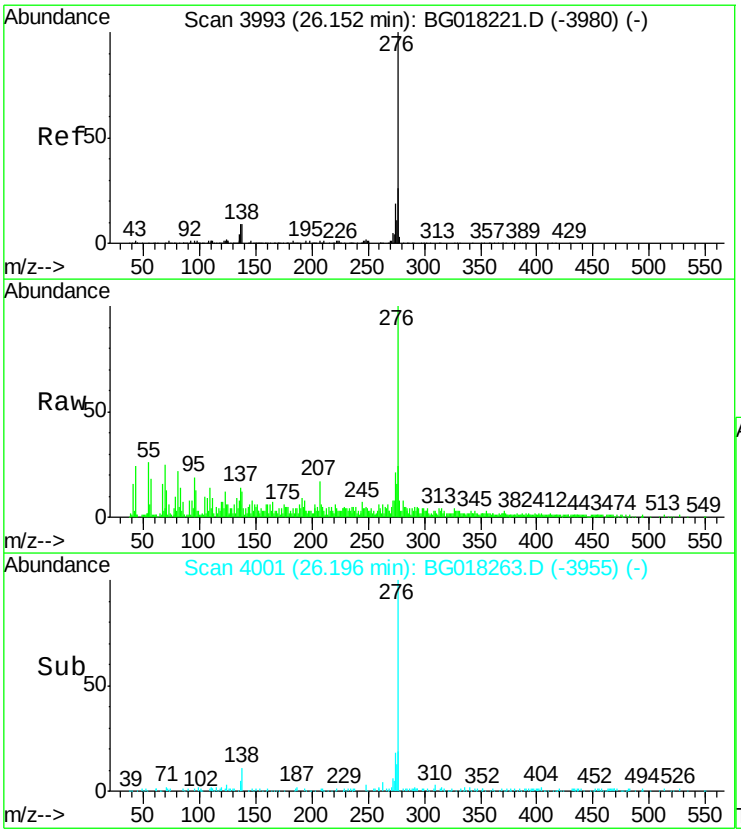

#94
Benzo(g,h,i)perylene
Concen: 19.81 ng/ul
RT: 26.20 min Scan# 4001
Delta R.T. 0.07 min
Lab File: BG018263.D
Acq: 4 Aug 2015 21:15

Tgt Ion:276 Resp: 149222

Ion	Ratio	Lower	Upper
276	100		
138	11.8	15.1	22.7#
277	24.4	19.8	29.6