Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 03:14:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : C02L4RE

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	60331	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	280997	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	172865	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	310138m	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	214221	20.00	ng/ul	0.01
86) Perylene-d12	23.28	264	211136	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.90	96	1183	1.69	ng/uL	0.00
5) Phenol-d5	6.64	99	69562	14.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	34835	15.19	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	60731	15.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	33791	8.44	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	33306	15.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	41276	16.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	66283	14.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	3057	0.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.53	166	217610	16.28	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	255824	16.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	24792	11.24	ng/ul	0.00
58) Fluorene-d10	15.12	176	189511	15.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	29304	13.65	ng/ul	0.00
71) Anthracene-d10	16.98	188	229068	16.79	ng/ul	0.00
79) Pyrene-d10	19.29	212	181814	15.17	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.14	264	169291	15.41	ng/ul	0.04
Target Compounds						Qvalue
28) Naphthalene	10.26	128	69274	5.24	ng/ul	96
34) 2-Methylnaphthalene	11.90	142	19316	1.82	ng/ul	96
45) Dimethylphthalate	13.58	163	81733	6.13	ng/ul	99
48) Acenaphthylene	13.84	152	45944	2.94	ng/ul	97
50) Acenaphthene	14.18	153	95982	9.50	ng/ul	95
54) Dibenzofuran	14.52	168	74386	5.00	ng/ul	97
59) Fluorene	15.18	166	107163	8.21	ng/ul	92
70) Phenanthrene	16.93	178	1369226m	87.48	ng/ul	
72) Anthracene	17.01	178	305999	19.59	ng/ul	99
75) Carbazole	17.29	167	120574	9.15	ng/ul	98
76) Di-n-butylphthalate	17.86	149	22714m	1.23	ng/ul	
77) Fluoranthene	18.96	202	2090727m	120.43	ng/ul	
80) Pyrene	19.34	202	1944442	130.54	ng/ul	98
83) Benzo(a)anthracene	21.09	228	919908	81.36	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.02	149	19201m	2.76	ng/ul	
85) Chrysene	21.14	228	897896	88.38	ng/ul	94
88) Benzo(b)fluoranthene	22.64	252	1571802m	121.38	ng/ul	
89) Benzo(k)fluoranthene	22.67	252	517015m	41.64	ng/ul	
91) Benzo(a)pyrene	23.20	252	1127958	99.77	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.50	276	695112	49.70	ng/ul	98
93) Dibenzo(a,h)anthracene	25.49	278	179861	14.66	ng/ul#	90
94) Benzo(g,h,i)perylene	26.17	276	596642	52.56	ng/ul	99

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
Data File : BG018287.D
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Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 14 03:14:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 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\BG080515\
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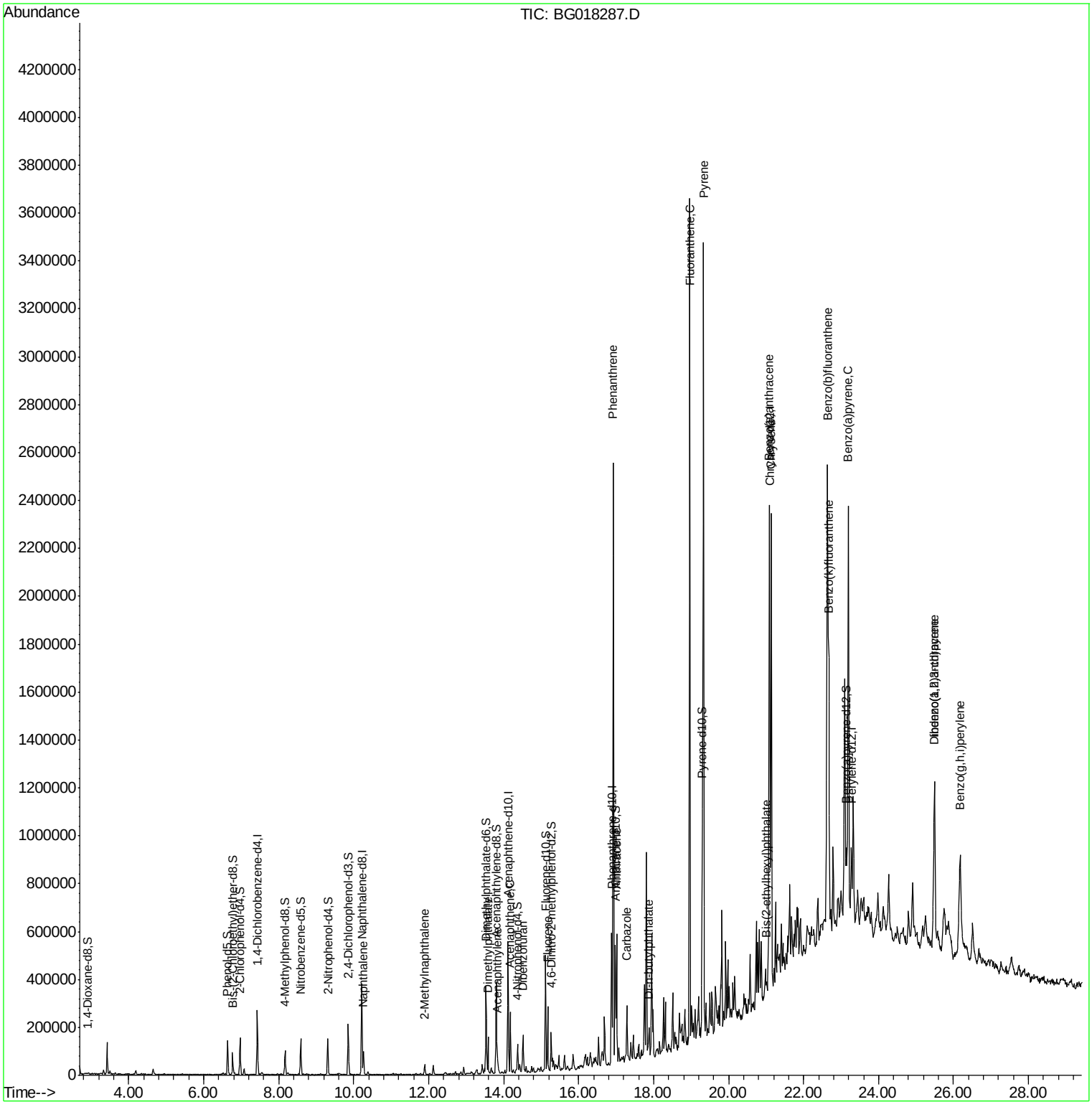
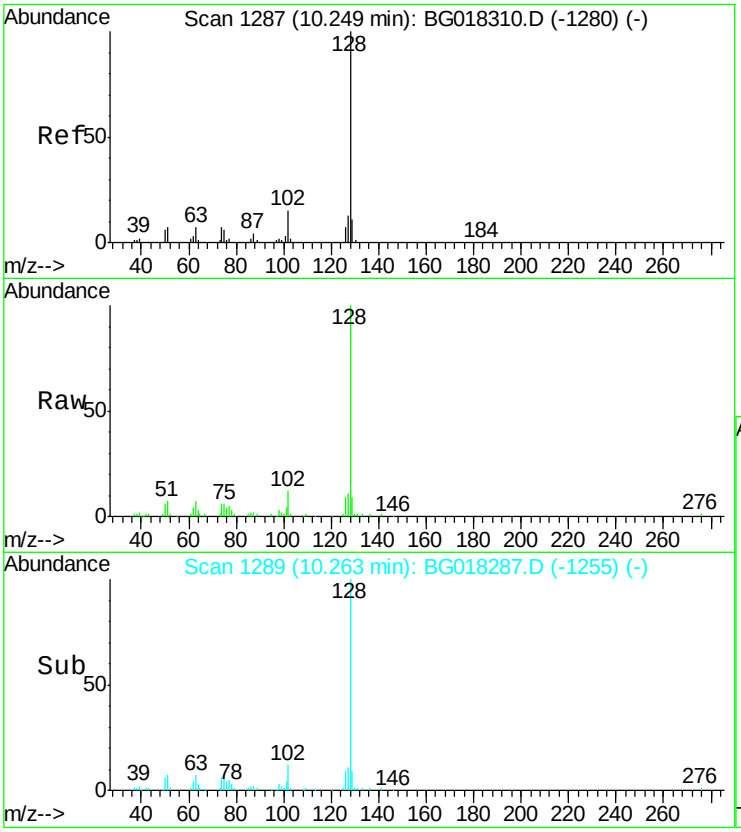
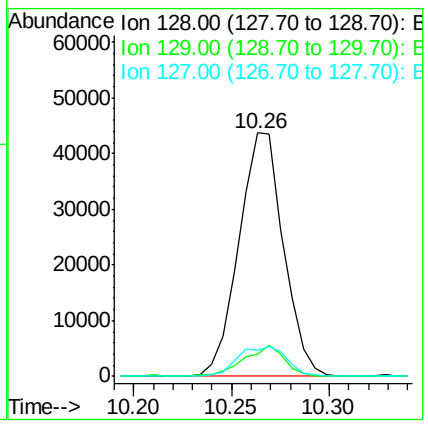




#28
Naphthalene
Concen: 5.24 ng/ul
RT: 10.26 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:128 Resp: 69274

Ion	Ratio	Lower	Upper
128	100		
129	9.2	7.8	11.6
127	10.6	10.2	15.4



Instrument :
BNA_G
ClientSampleId :
C02L4RE

Manual Integrations APPROVED
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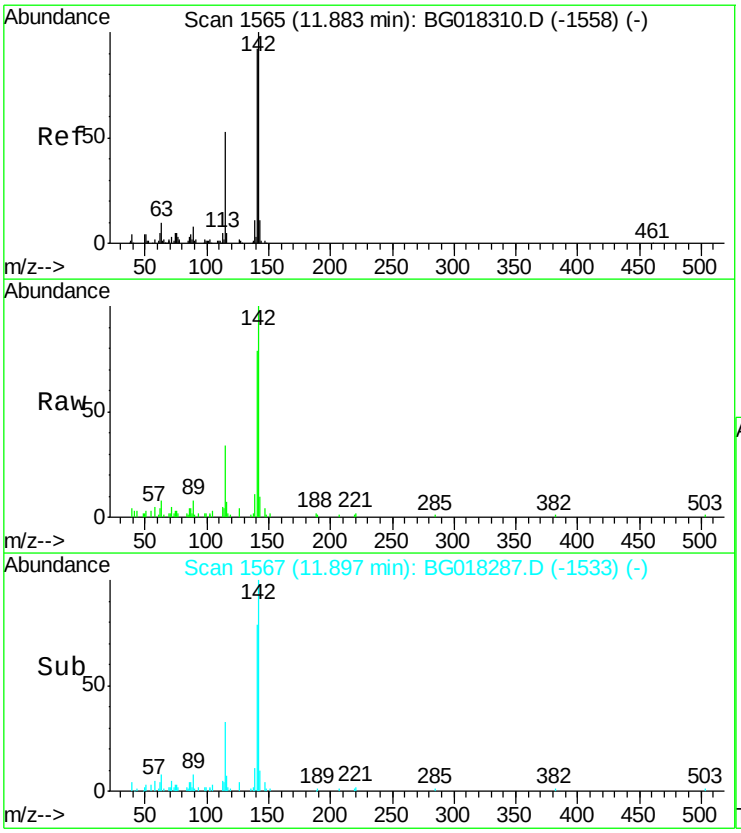
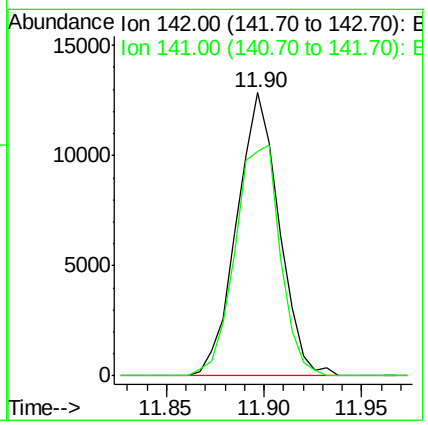
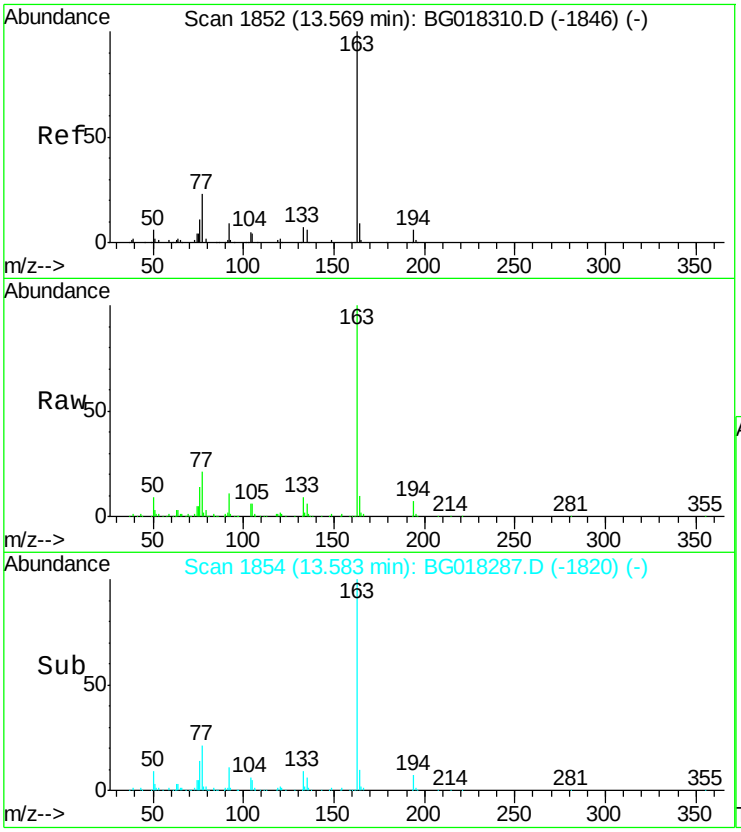


#34
2-Methylnaphthalene
Concen: 1.82 ng/ul
RT: 11.90 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:142 Resp: 19316

Ion	Ratio	Lower	Upper
142	100		
141	79.2	65.9	98.9

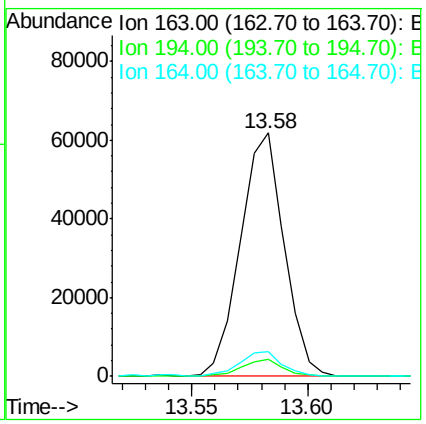




#45
Dimethylphthalate
Concen: 6.13 ng/ul
RT: 13.58 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:163 Resp: 81733

Ion	Ratio	Lower	Upper
163	100		
194	7.0	5.4	8.2
164	10.2	7.8	11.8



Instrument :
BNA_G
ClientSampleId :
C02L4RE

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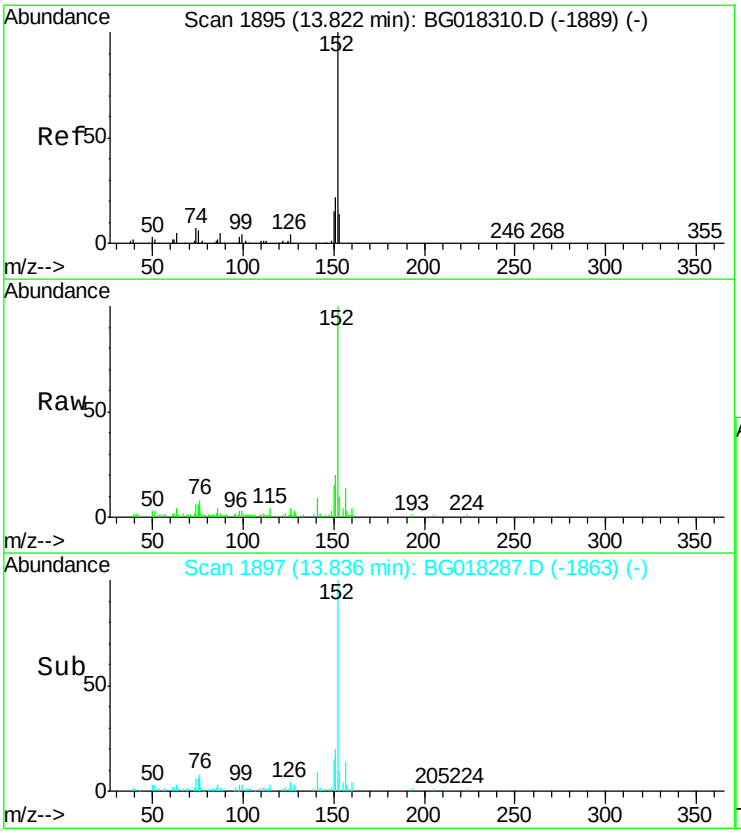
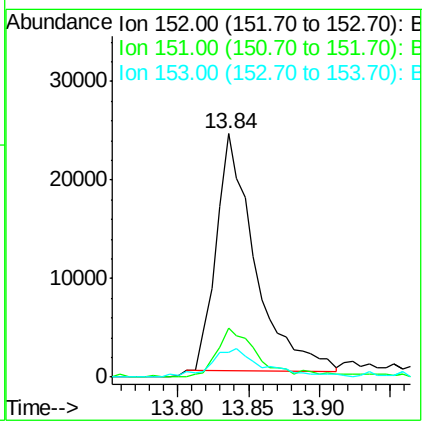
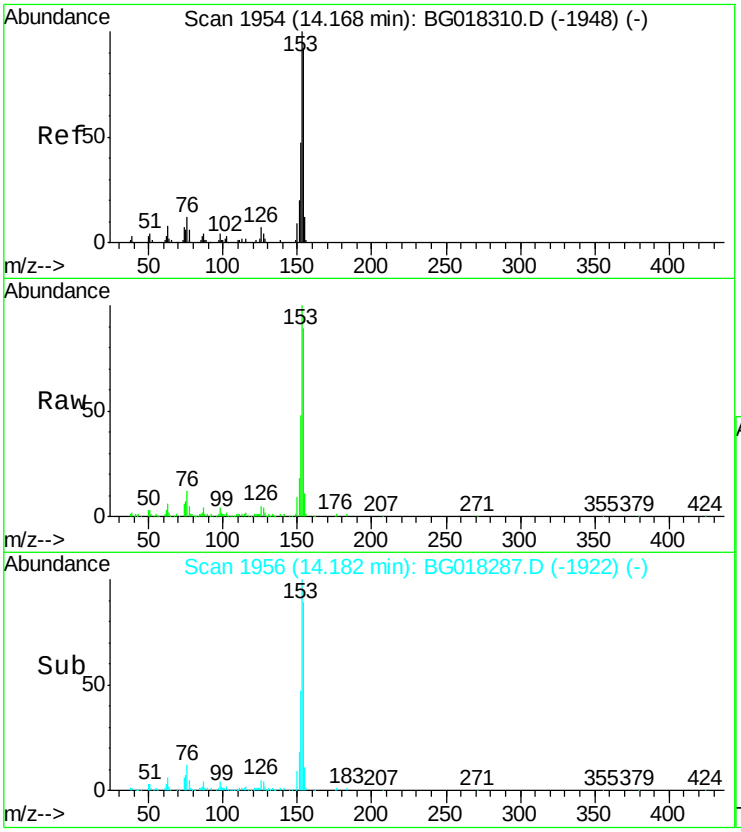


#48
Acenaphthylene
Concen: 2.94 ng/ul
RT: 13.84 min Scan# 1897
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:152 Resp: 45944

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.5	24.7
153	9.9	9.8	14.6

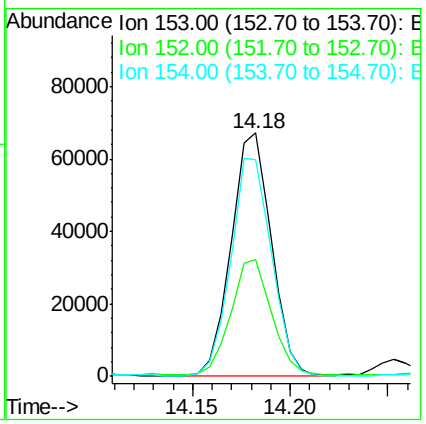




#50
Acenaphthene
Concen: 9.50 ng/ul
RT: 14.18 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:153 Resp: 95982

Ion	Ratio	Lower	Upper
153	100		
152	48.1	39.0	58.4
154	89.2	77.4	116.2



Instrument :
BNA_G
ClientSampleId :
C02L4RE

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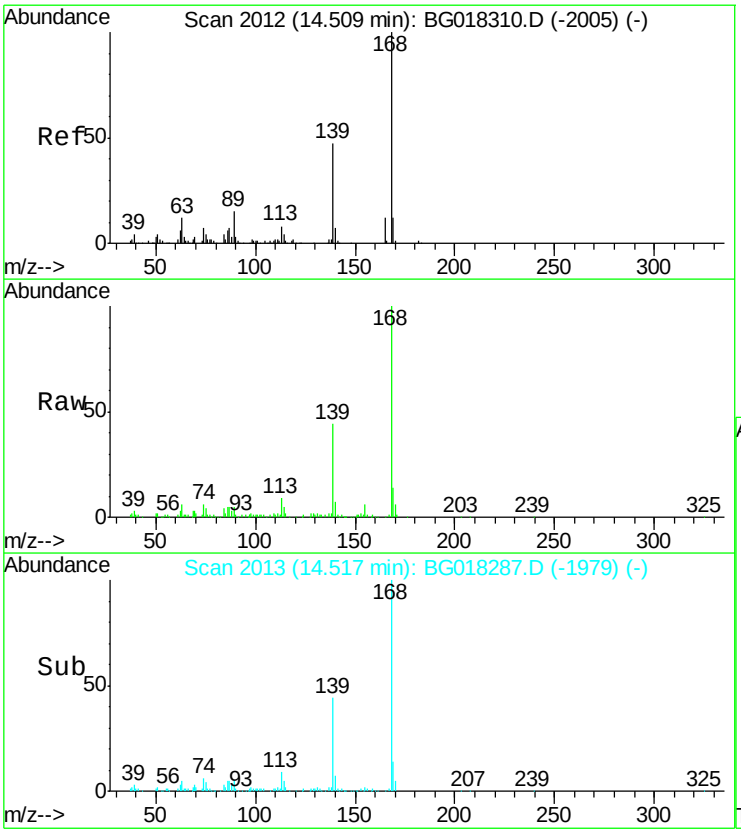
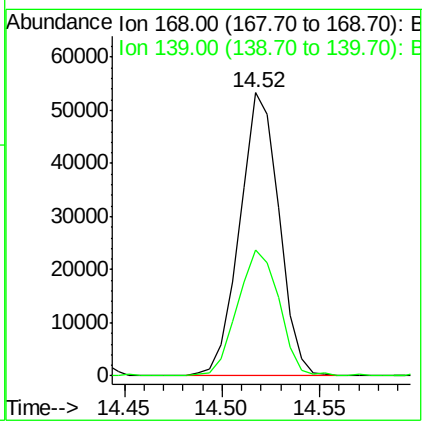
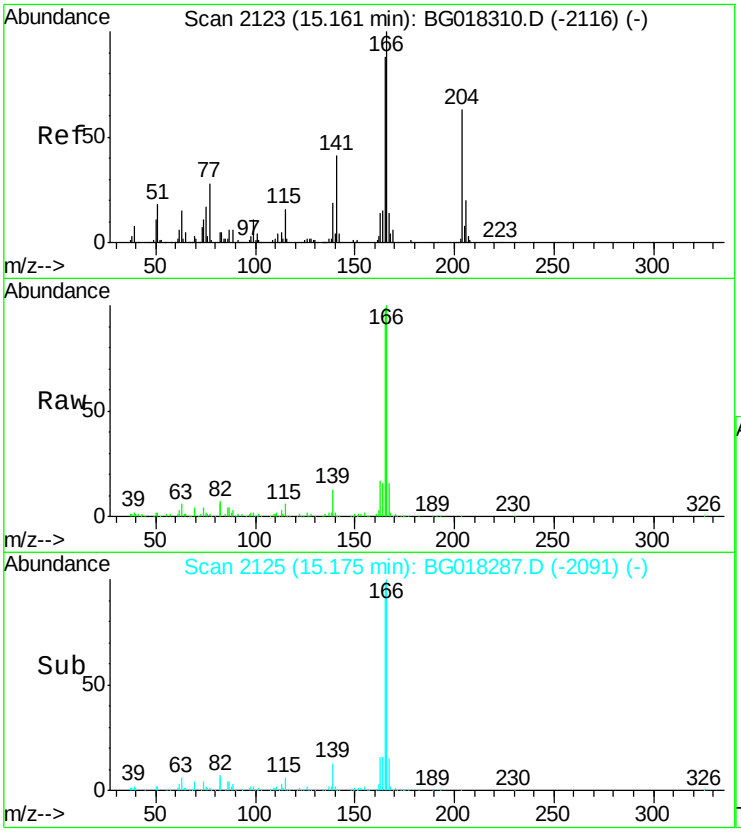


#54
Dibenzofuran
Concen: 5.00 ng/ul
RT: 14.52 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:168 Resp: 74386

Ion	Ratio	Lower	Upper
168	100		
139	44.4	37.1	55.7

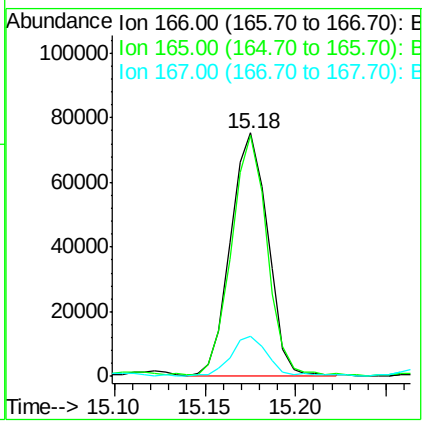




#59
Fluorene
Concen: 8.21 ng/ul
RT: 15.18 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:166 Resp: 107163

Ion	Ratio	Lower	Upper
166	100		
165	99.0	72.4	108.6
167	16.2	11.4	17.0



Instrument :
BNA_G
ClientSampleId :
C02L4RE

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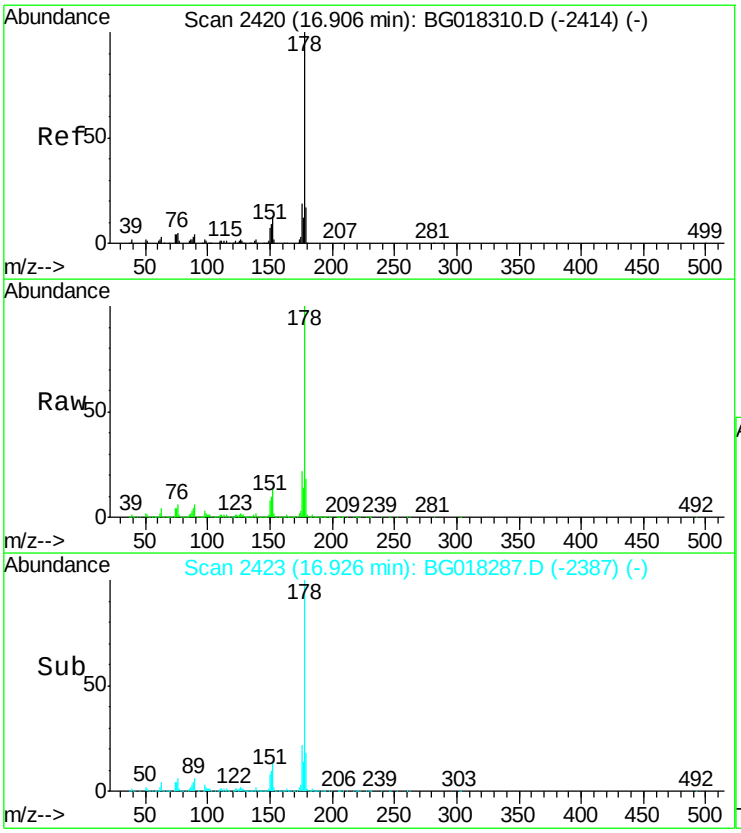
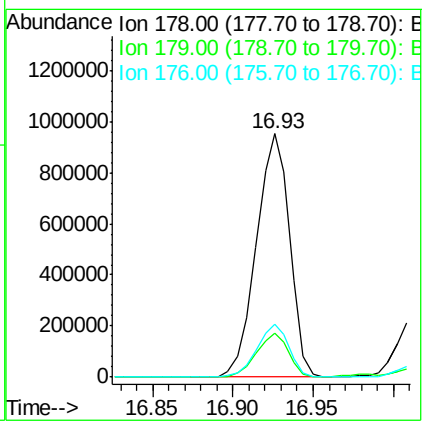
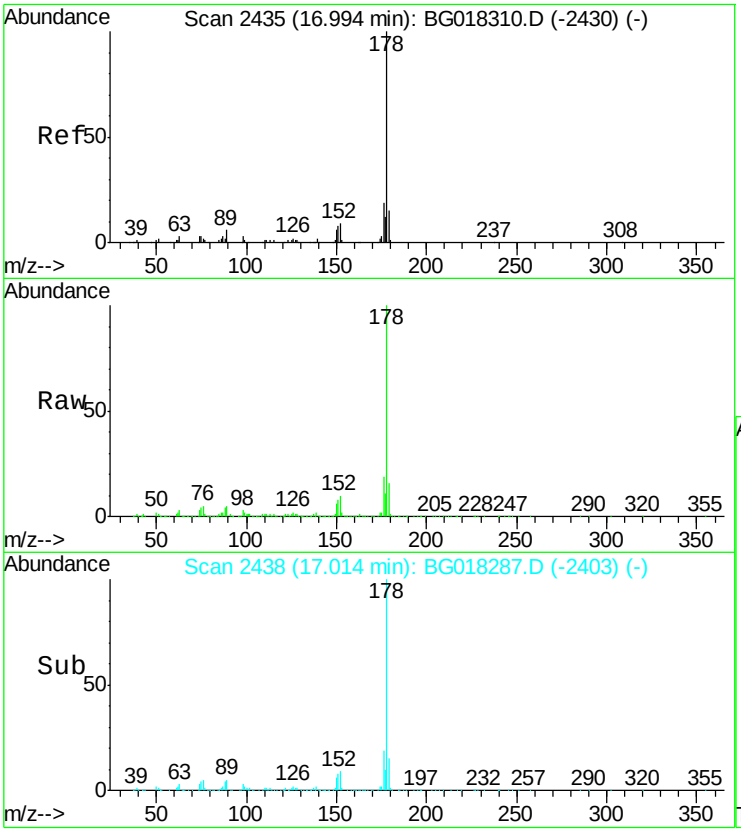


#70
Phenanthrene
Concen: 87.48 ng/ul m
RT: 16.93 min Scan# 2423
Delta R.T. 0.01 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:178 Resp: 1369226

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.2	18.4
176	21.9	14.5	21.7#

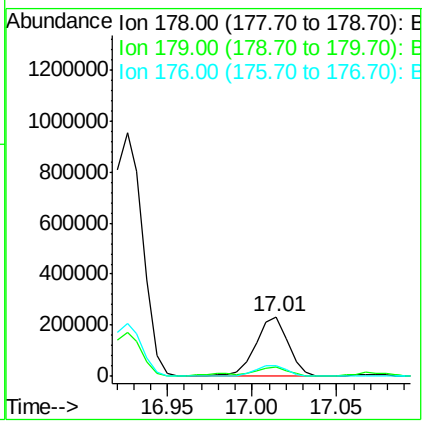




#72
Anthracene
Concen: 19.59 ng/ul
RT: 17.01 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:178 Resp: 305999

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.4
176	18.7	15.3	22.9



Instrument :
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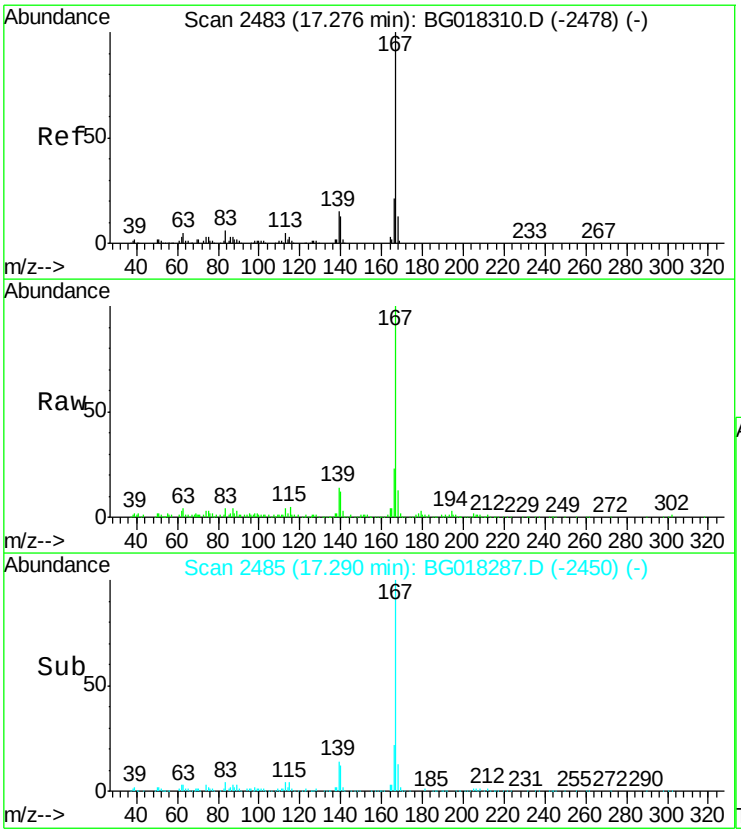
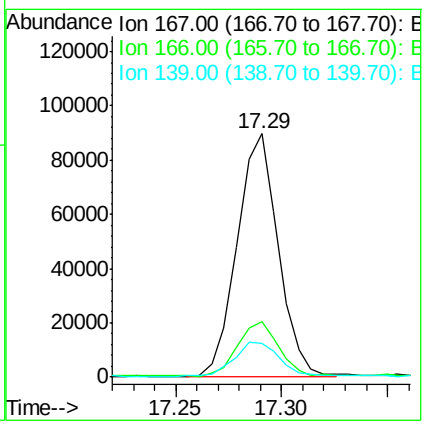
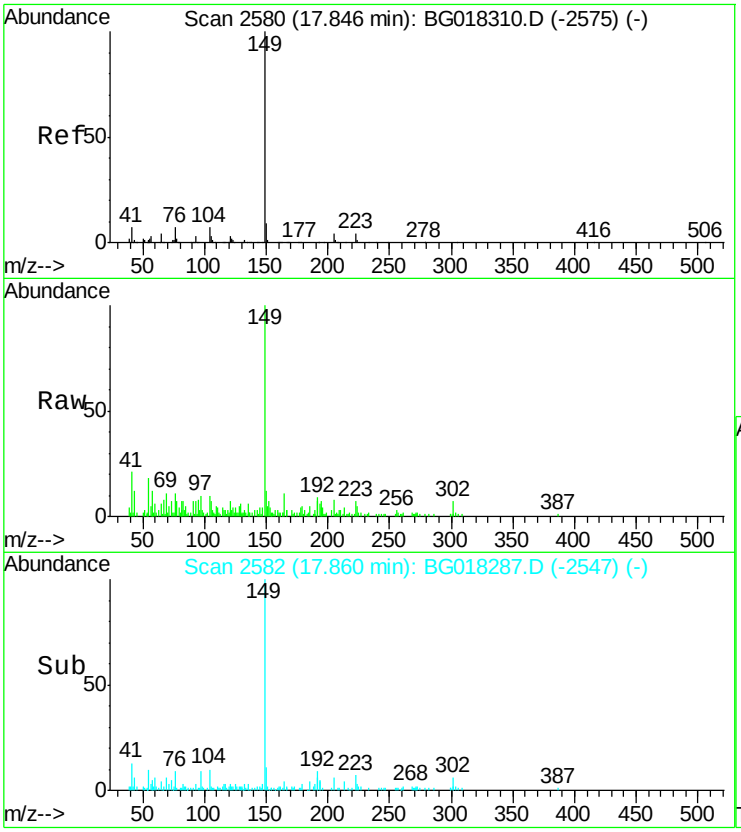


#75
Carbazole
Concen: 9.15 ng/ul
RT: 17.29 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:167 Resp: 120574

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.8	26.8
139	14.1	10.6	16.0





#76
Di-n-butylphthalate
Concen: 1.23 ng/ul m
RT: 17.86 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:149 Resp: 22714

Ion	Ratio	Lower	Upper
149	100		
150	12.4	7.4	11.2#
104	9.8	5.5	8.3#

Instrument :
BNA_G
ClientSampleId :
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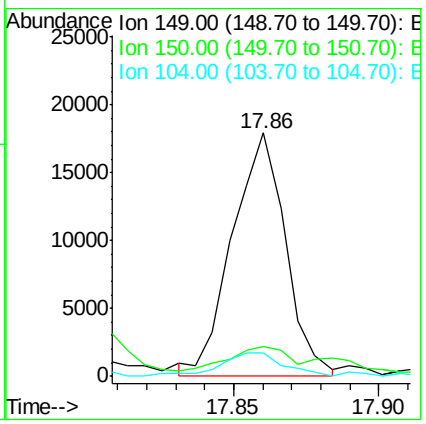
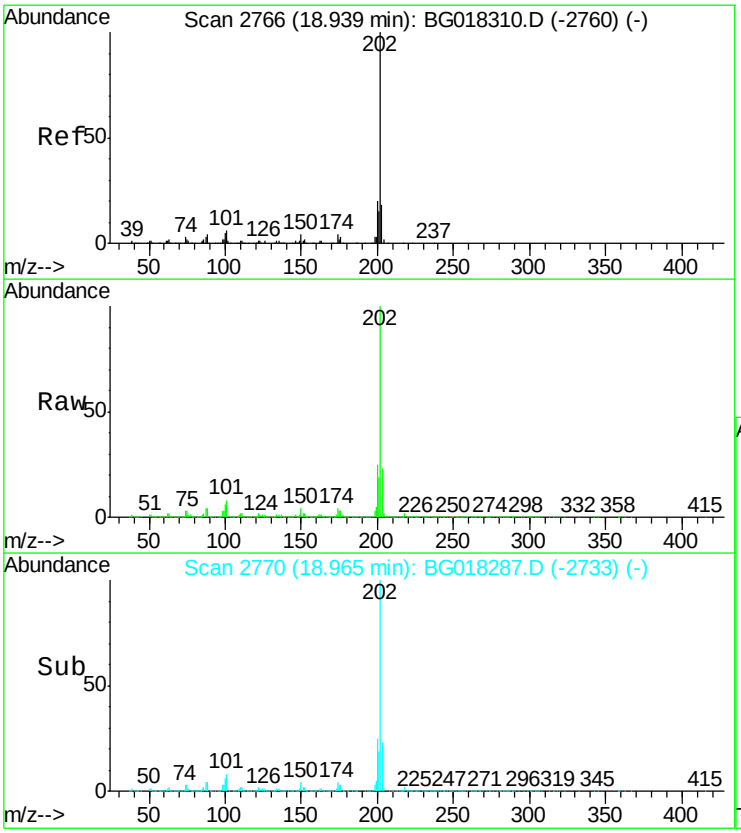
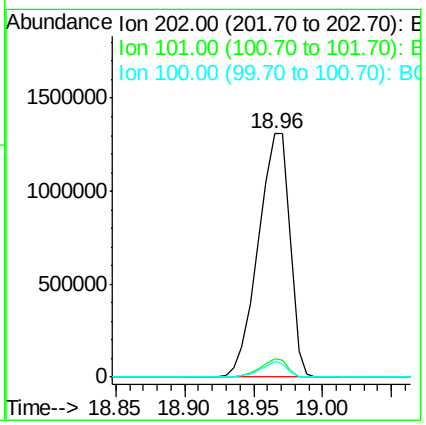


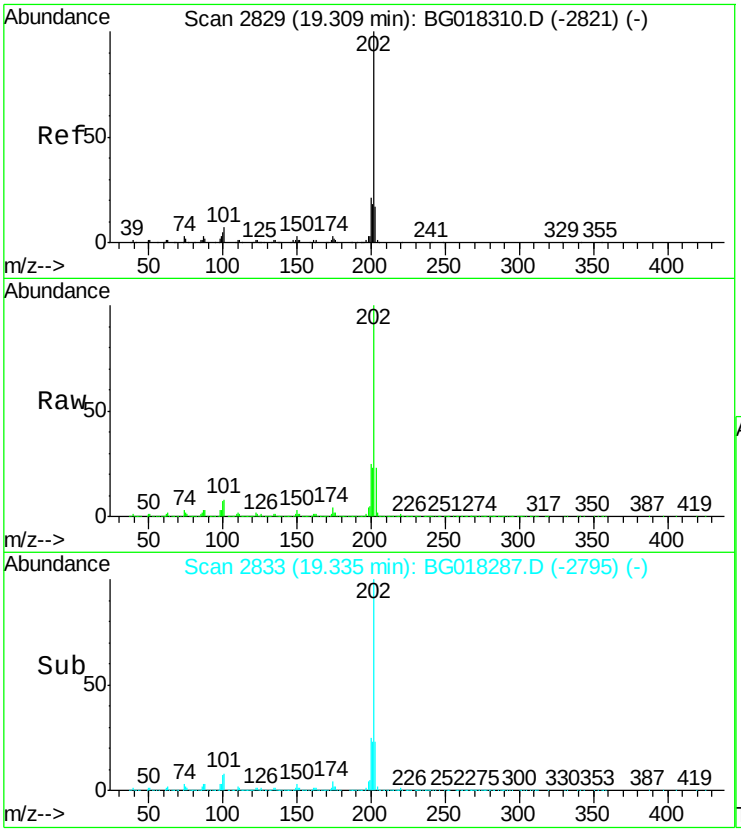


#77
Fluoranthene
Concen: 120.43 ng/ul m
RT: 18.96 min Scan# 2770
Delta R.T. 0.02 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:202 Resp: 2090727

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	6.2	4.6	6.8

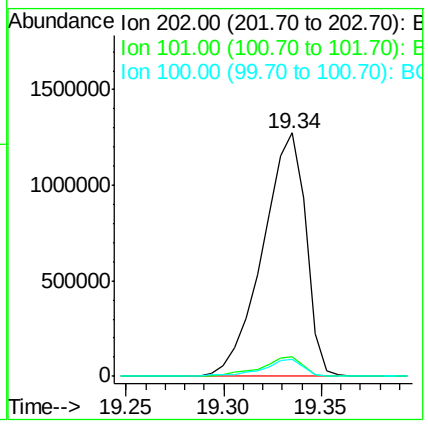




#80
Pyrene
Concen: 130.54 ng/ul
RT: 19.34 min Scan# 2833
Delta R.T. 0.03 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:202 Resp: 1944442

Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.2	9.2
100	6.9	4.6	7.0



Instrument :
BNA_G
ClientSampleId :
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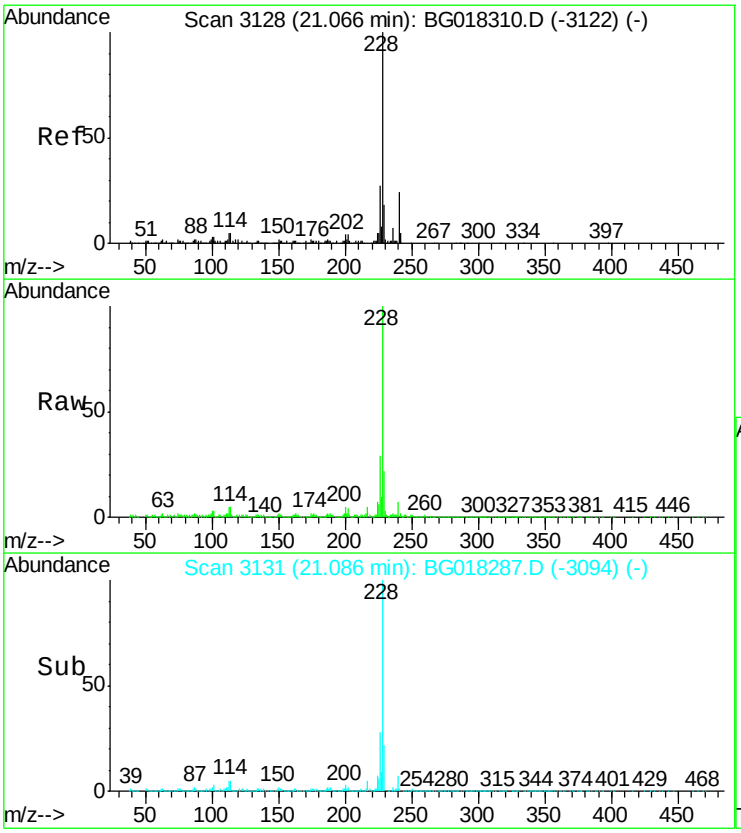
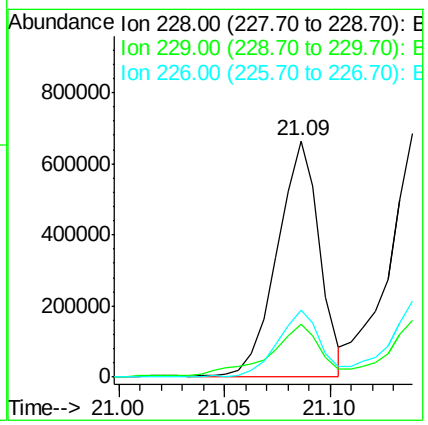
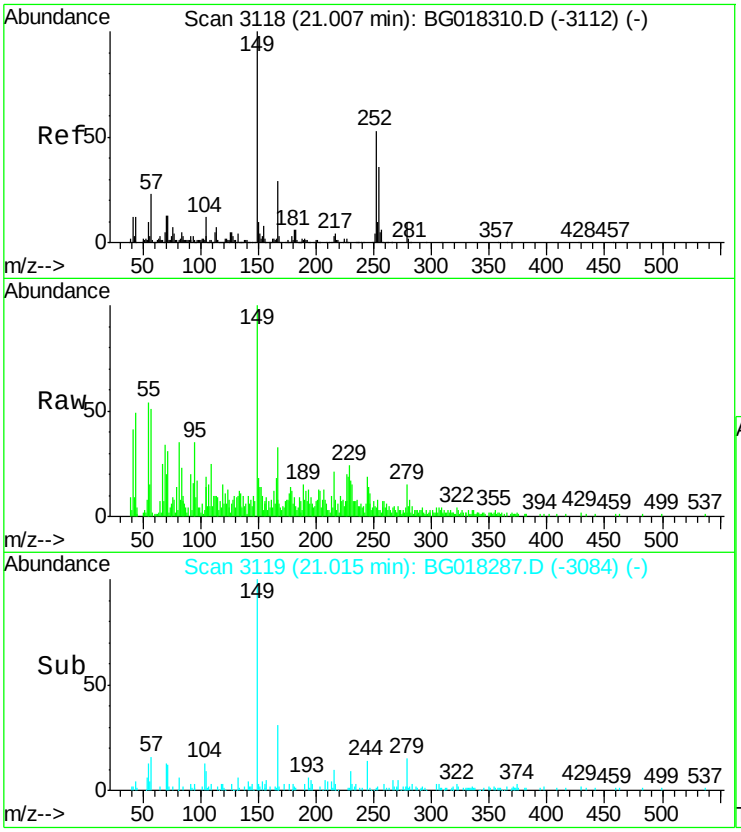


#83
Benzo(a)anthracene
Concen: 81.36 ng/ul
RT: 21.09 min Scan# 3131
Delta R.T. 0.02 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:228 Resp: 919908

Ion	Ratio	Lower	Upper
228	100		
229	22.4	16.3	24.5
226	28.5	21.2	31.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.76 ng/ul m
RT: 21.02 min Scan# 3119
Delta R.T. 0.01 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:149 Resp: 19201

Ion	Ratio	Lower	Upper
149	100		
167	33.0	26.4	39.6
279	15.2	8.6	12.8#

Instrument :
BNA_G
ClientSampleId :
C02L4RE

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apatel
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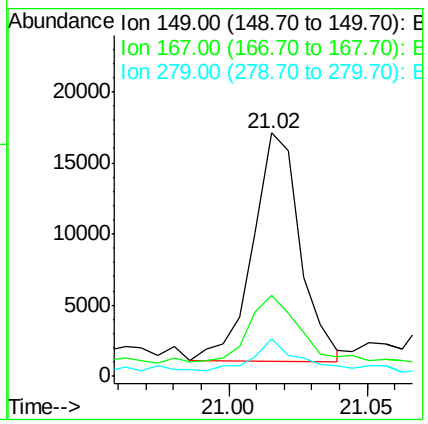
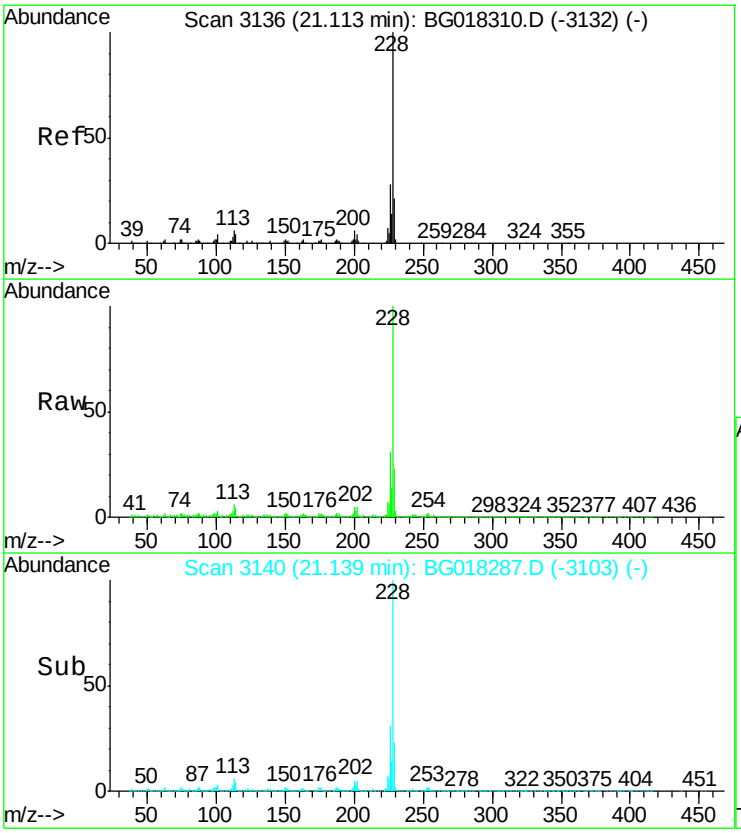
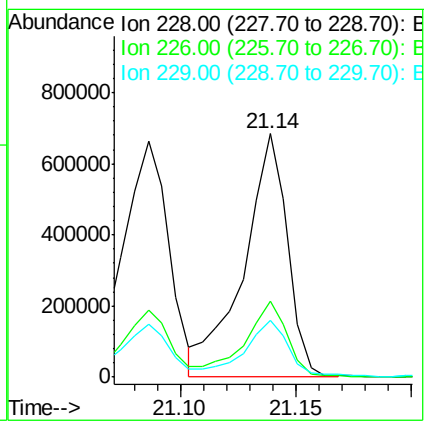


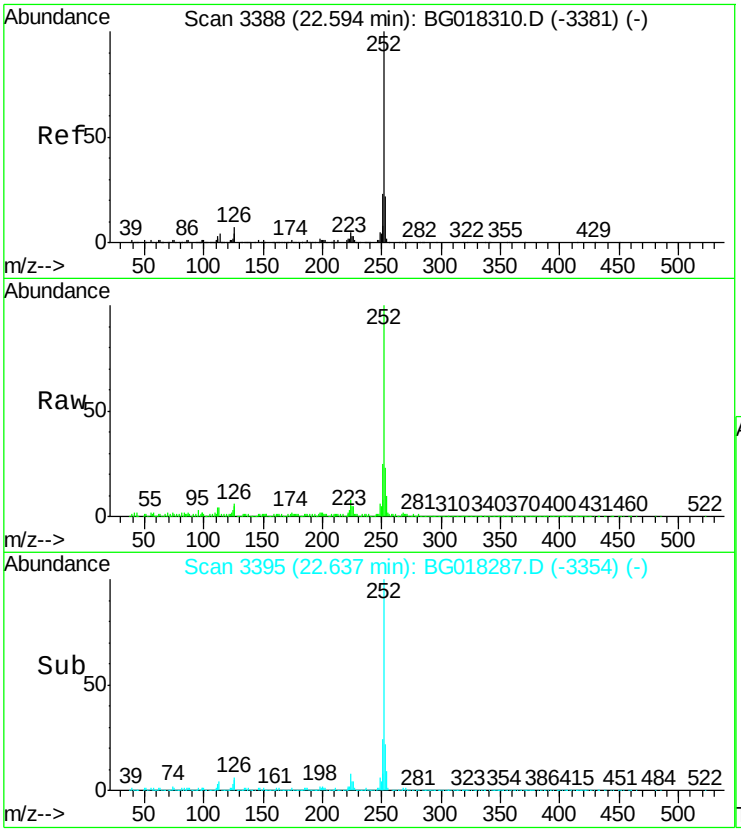


#85
Chrysene
Concen: 88.38 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.02 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:228 Resp: 897896

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	23.5	15.9	23.9

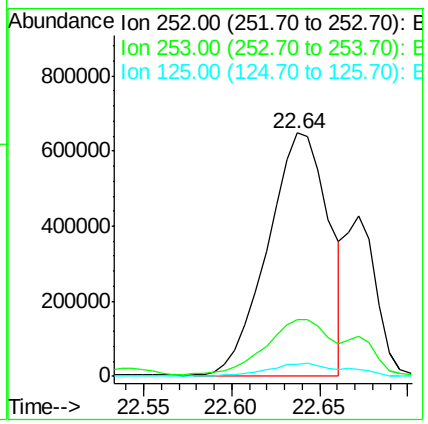




#88
Benzo(b)fluoranthene
Concen: 121.38 ng/ul m
RT: 22.64 min Scan# 3395
Delta R.T. 0.04 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:252 Resp: 1571802

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	5.1	3.1	4.7#



Instrument :
BNA_G
ClientSampleId :
C02L4RE

Manual Integrations APPROVED
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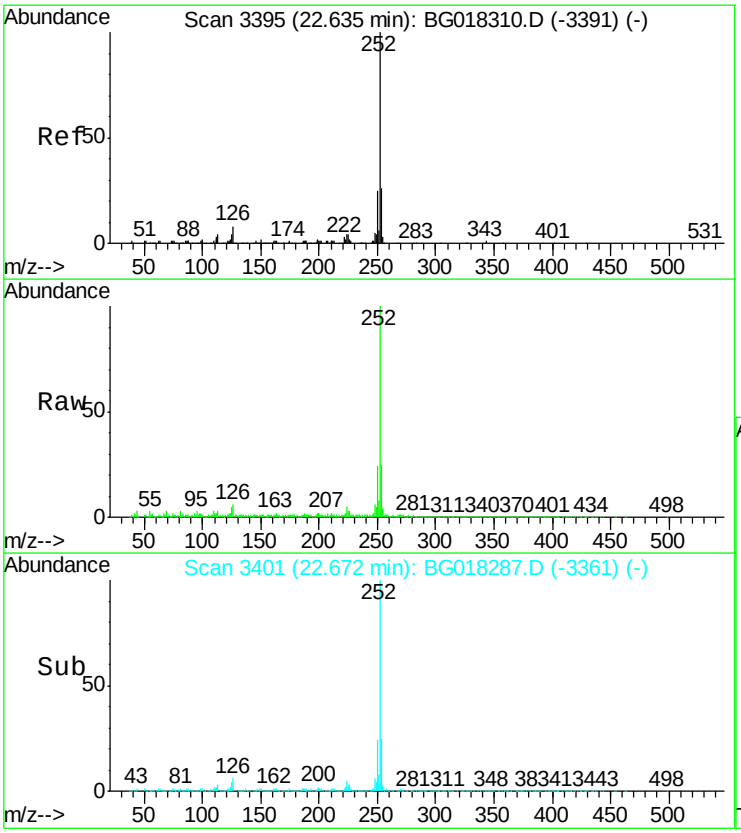
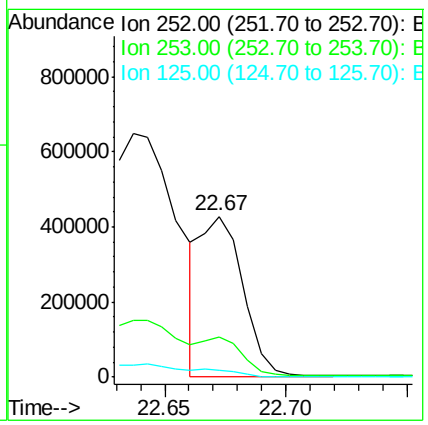
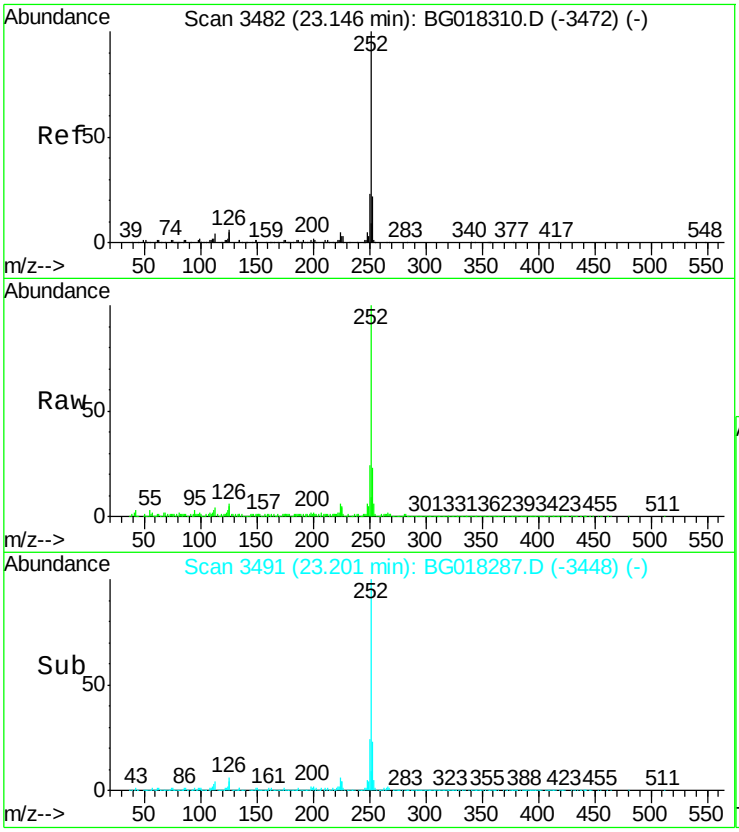


#89
Benzo(k)fluoranthene
Concen: 41.64 ng/ul m
RT: 22.67 min Scan# 3401
Delta R.T. 0.04 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:252 Resp: 517015

Ion	Ratio	Lower	Upper
252	100		
253	25.1	16.4	24.6#
125	4.5	3.4	5.2

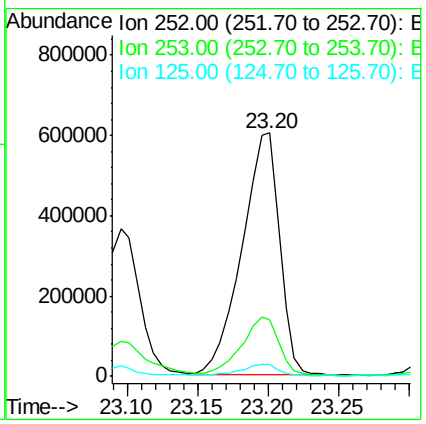




#91
Benzo(a)pyrene
Concen: 99.77 ng/ul
RT: 23.20 min Scan# 3491
Delta R.T. 0.05 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:252 Resp: 1127958

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.9	28.3
125	4.7	3.2	4.8



Instrument :
BNA_G
ClientSampleId :
C02L4RE

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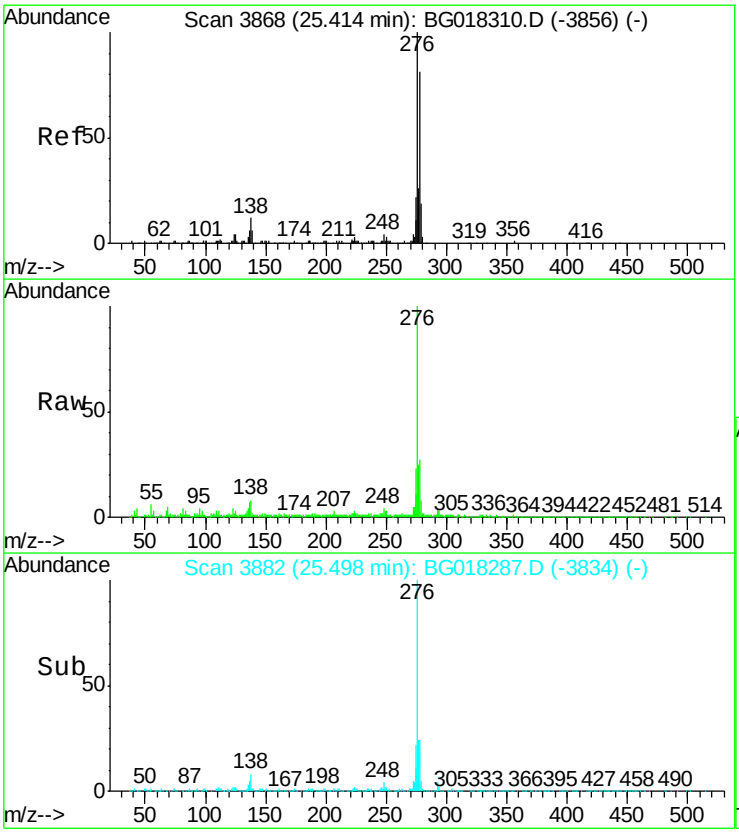
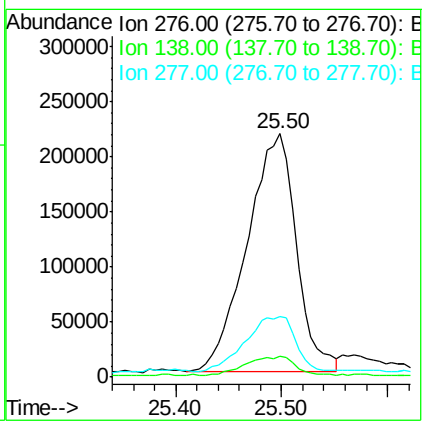
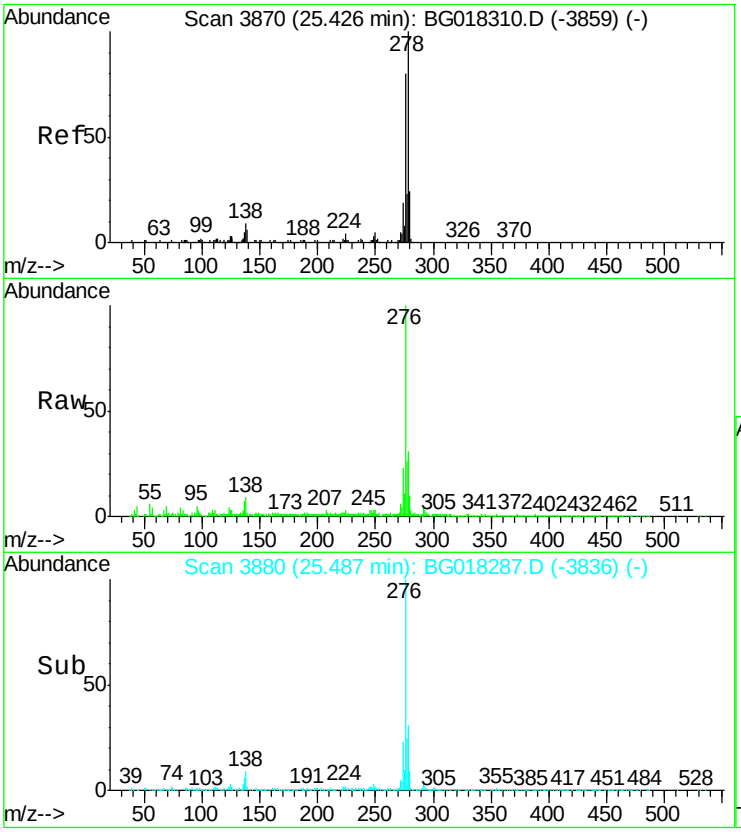


#92
Indeno(1,2,3-cd)pyrene
Concen: 49.70 ng/ul
RT: 25.50 min Scan# 3882
Delta R.T. 0.08 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:276 Resp: 695112

Ion	Ratio	Lower	Upper
276	100		
138	8.5	8.2	12.4
277	24.7	20.1	30.1

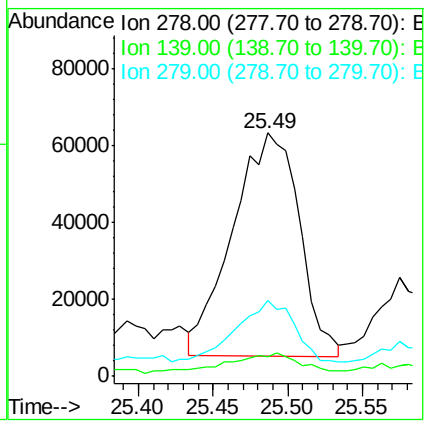




#93
Dibenzo(a,h)anthracene
Concen: 14.66 ng/ul
RT: 25.49 min Scan# 3880
Delta R.T. 0.06 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:278 Resp: 179861

Ion	Ratio	Lower	Upper
278	100		
139	7.8	5.8	8.8
279	31.2	19.8	29.6#



Instrument :
BNA_G
ClientSampleId :
C02L4RE

Manual Integrations APPROVED
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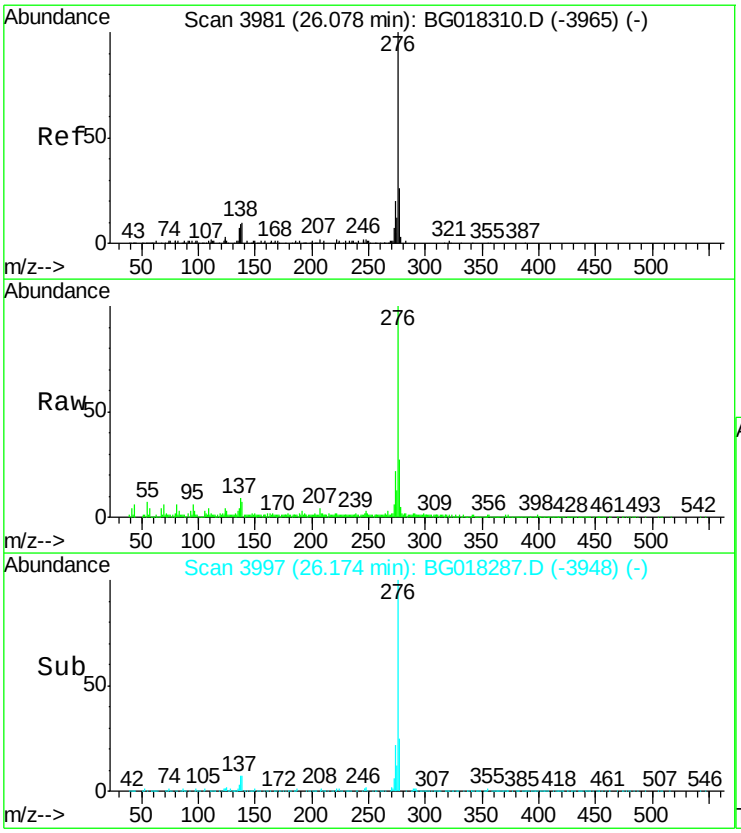
8/10/2015 9:24:43 AM



#94
Benzo(g,h,i)perylene
Concen: 52.56 ng/ul
RT: 26.17 min Scan# 3997
Delta R.T. 0.09 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:276 Resp: 596642

Ion	Ratio	Lower	Upper
276	100		
138	7.2	6.0	9.0
277	27.2	21.1	31.7