Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026266.D
Acq On : 16 Mar 2017 12:41
Operator : SJ/MA
Sample : I2237-11
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DABH8

Manual Integrations APPROVED
mohammad
3/17/2017 1:09:29 PM

Quant Time: Mar 16 14:33:48 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	84551	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	430907	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	231248	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	508361	20.00	ng/ul	0.00
17) Chrysene-d12	21.65	240	551272	20.00	ng/ul	0.00
22) Perylene-d12	24.84	264	537900	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	509931	26.63	ng/ul	0.00
10) Fluorene-d10	15.65	176	358144	24.35	ng/ul	0.00
14) Anthracene-d10	17.49	188	516875	22.49	ng/ul	0.00
18) Pyrene-d10	19.77	212	589538	22.19	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	551681	23.18	ng/ul	0.02
Target Compounds						Qvalue
3) Naphthalene	10.90	128	27296	1.28	ng/ul	98
9) Acenaphthene	14.72	153	130461	9.31	ng/ul	95
11) Fluorene	15.70	166	117487	7.14	ng/ul	99
13) Phenanthrene	17.44	178	2449611m	90.35	ng/ul	
15) Anthracene	17.53	178	548700	19.92	ng/ul	97
16) Fluoranthene	19.44	202	4339998m	145.63	ng/ul	
19) Pyrene	19.81	202	3751002	112.43	ng/ul#	84
20) Benzo(a)anthracene	21.63	228	2374780	76.58	ng/ul#	88
21) Chrysene	21.69	228	2247730	75.86	ng/ul#	91
23) Benzo(b)fluoranthene	23.84	252	3274273	105.36	ng/ul#	92
24) Benzo(k)fluoranthene	23.89	252	1037821m	34.57	ng/ul	
26) Benzo(a)pyrene	24.70	252	2143517	71.27	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.48	276	1447428	41.09	ng/ul#	85
28) Dibenzo(a,h)anthracene	28.51	278	341967	11.72	ng/ul#	87
29) Benzo(g,h,i)perylene	29.63	276	1256673	43.24	ng/ul#	91

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

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Manual Integrations APPROVED
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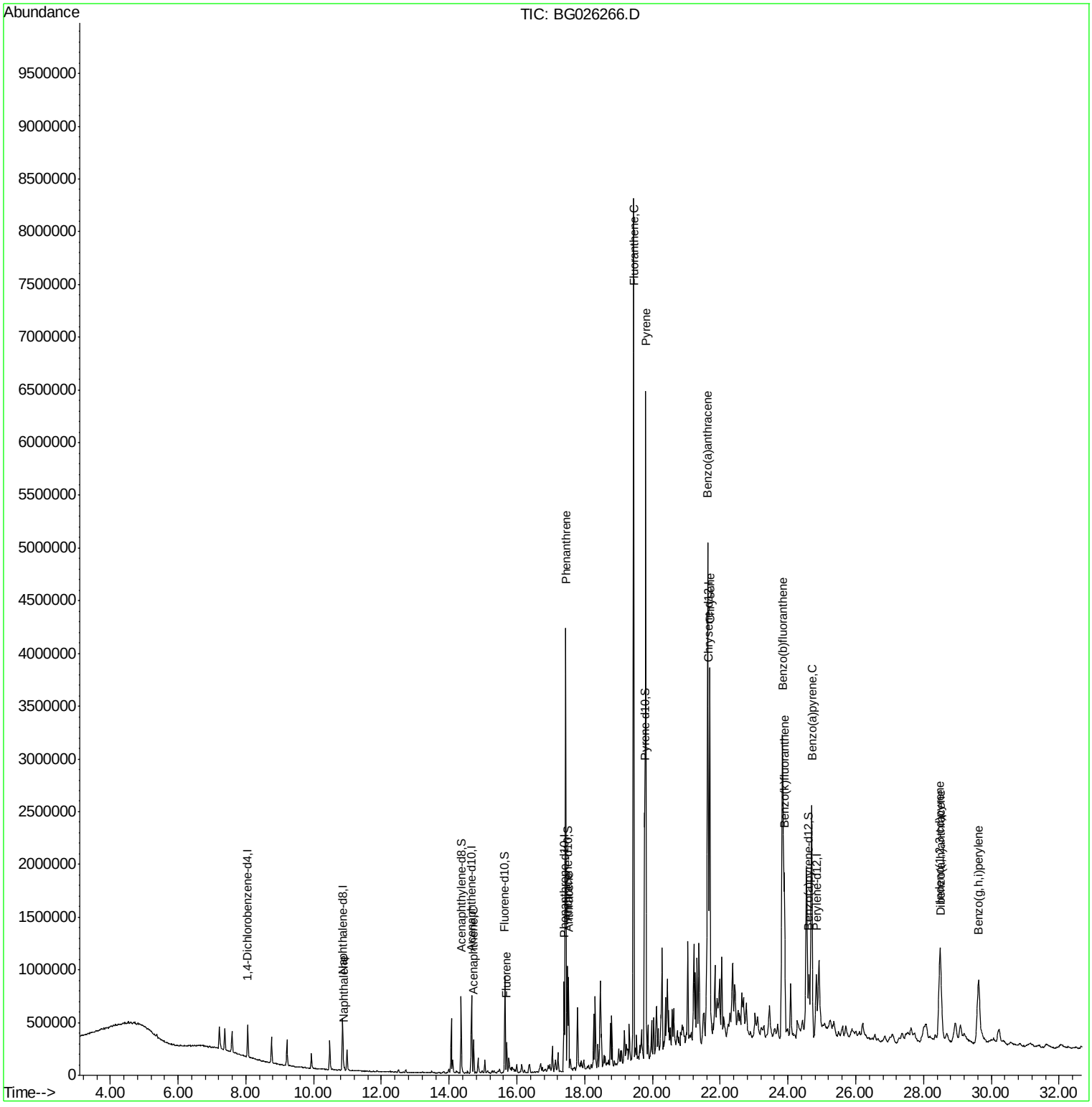
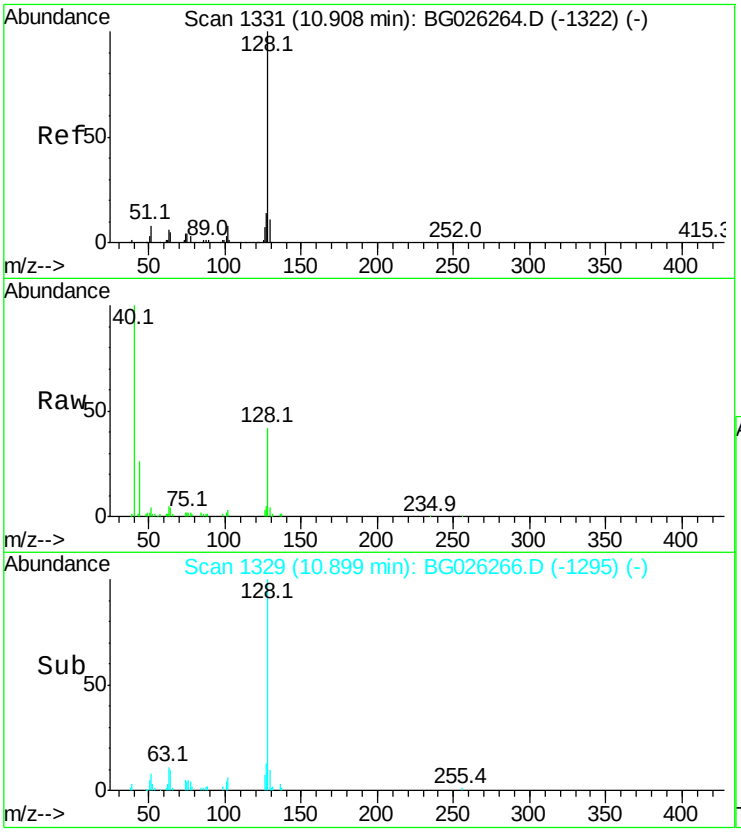
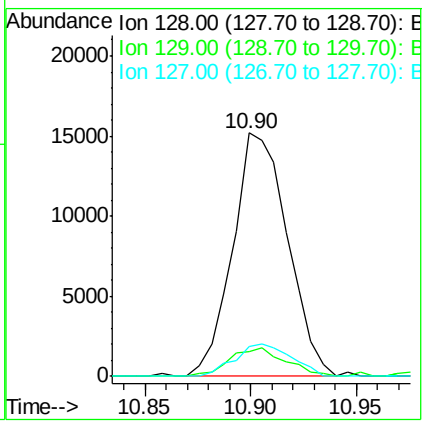




#3
Naphthalene
Concen: 1.28 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:128 Resp: 27296

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.7	13.1
127	12.5	10.6	16.0



Instrument :
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ClientSampleId :
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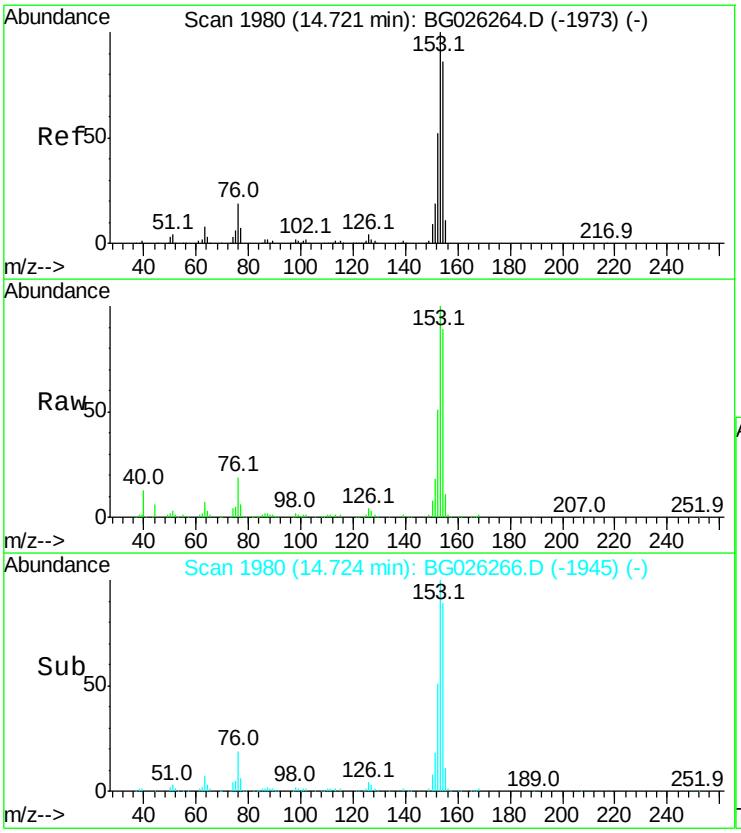
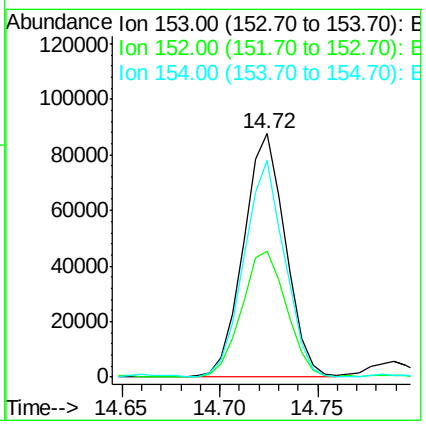
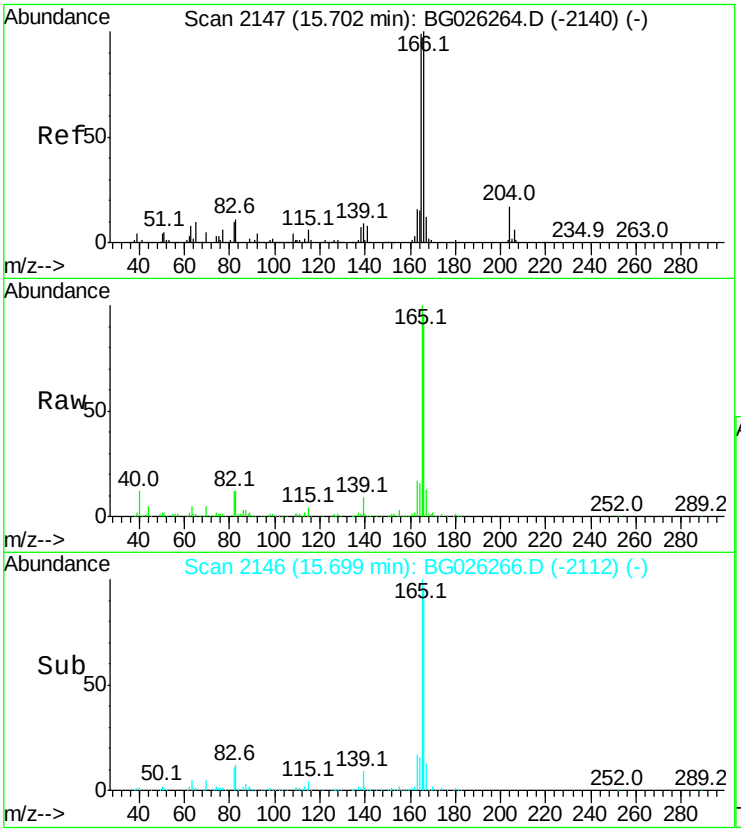


#9
Acenaphthene
Concen: 9.31 ng/ul
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:153 Resp: 130461

Ion	Ratio	Lower	Upper
153	100		
152	51.5	39.0	58.6
154	89.1	66.8	100.2

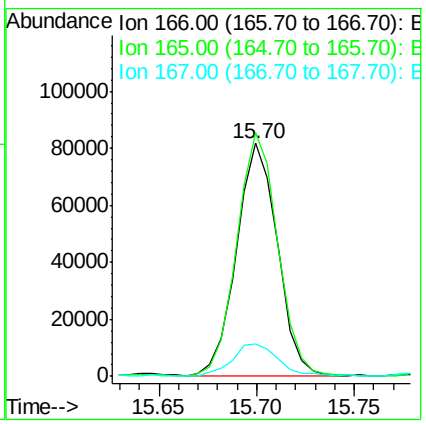




#11
Fluorene
Concen: 7.14 ng/ul
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:166 Resp: 117487

Ion	Ratio	Lower	Upper
166	100		
165	104.4	83.8	125.8
167	13.7	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
DABH8

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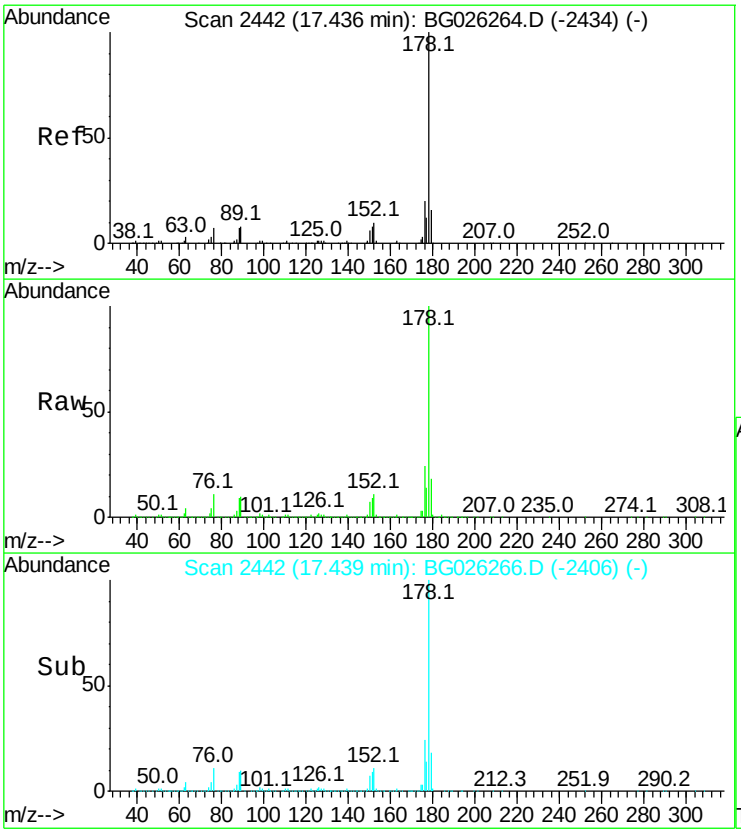
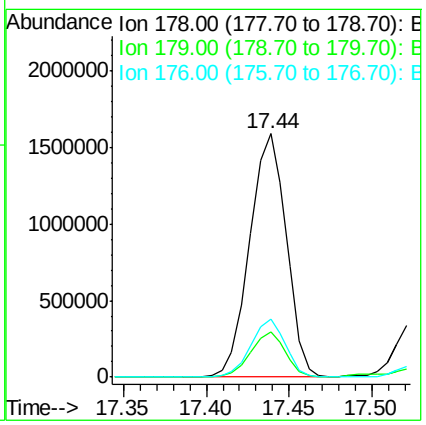
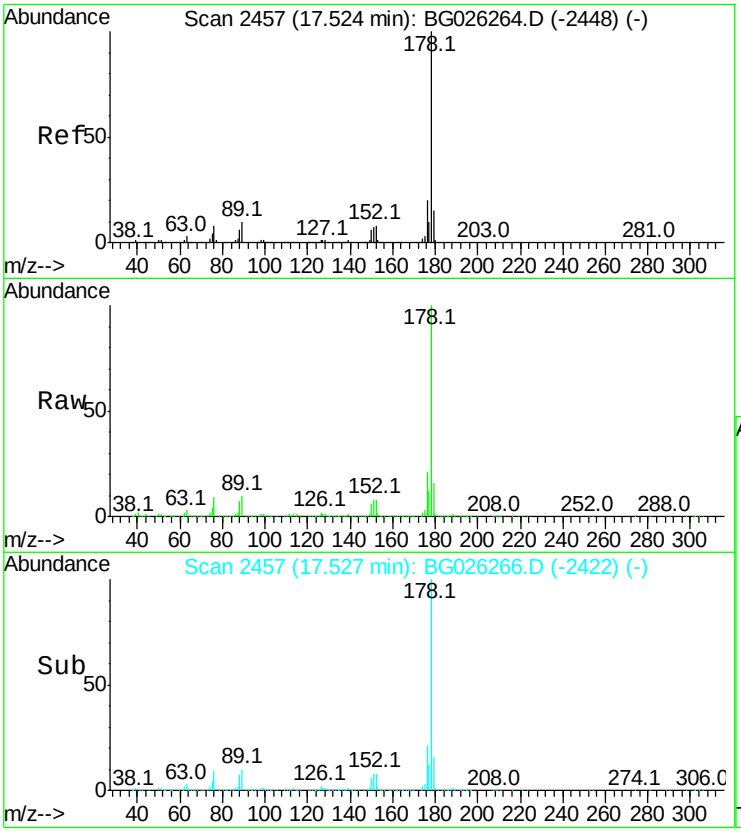


#13
Phenanthrene
Concen: 90.35 ng/ul m
RT: 17.44 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:178 Resp: 2449611

Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.3	18.5
176	23.7	15.1	22.7#

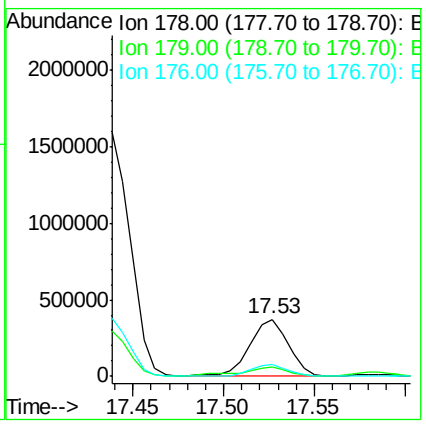




#15
Anthracene
Concen: 19.92 ng/ul
RT: 17.53 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:178 Resp: 548700

Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.8	17.8
176	20.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
DABH8

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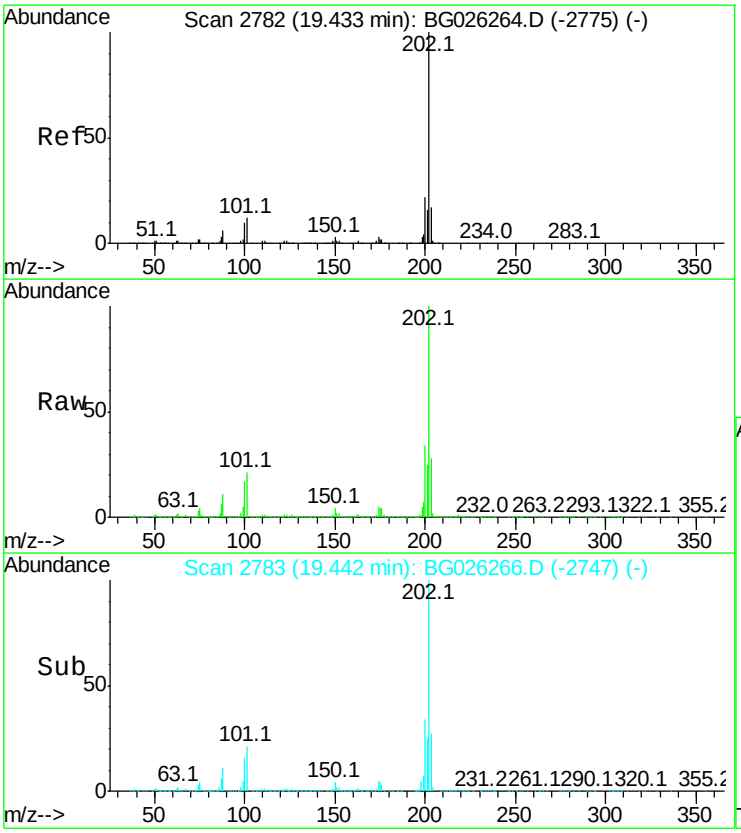
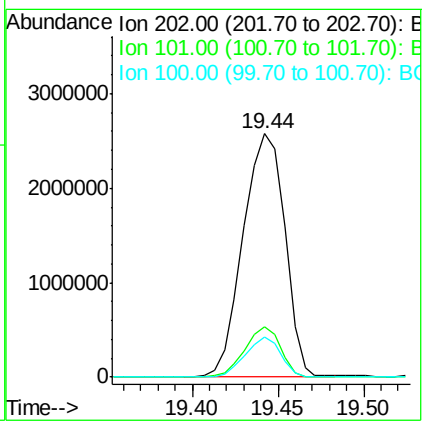
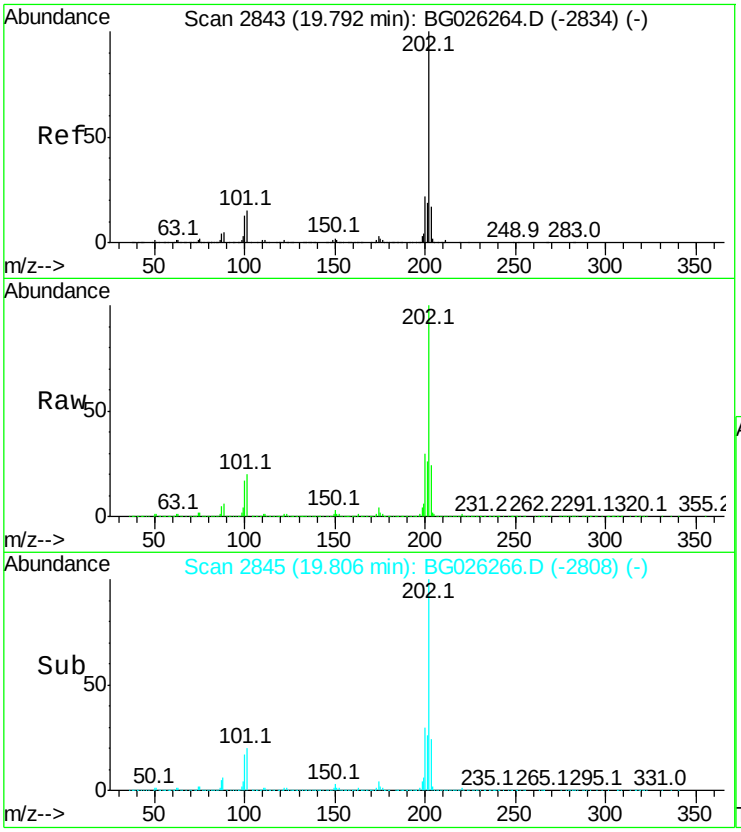


#16
Fluoranthene
Concen: 145.63 ng/ul m
RT: 19.44 min Scan# 2783
Delta R.T. 0.01 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:202 Resp: 4339998

Ion	Ratio	Lower	Upper
202	100		
101	20.9	9.9	14.9#
100	16.5	7.4	11.0#

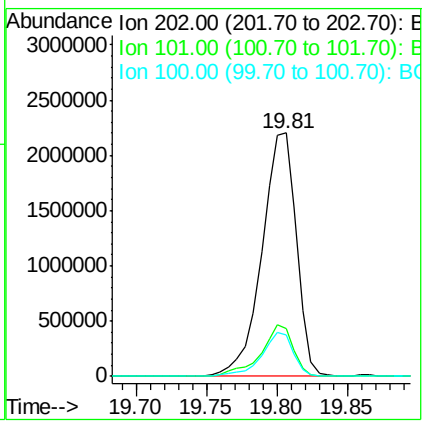




#19
Pyrene
Concen: 112.43 ng/ul
RT: 19.81 min Scan# 2845
Delta R.T. 0.02 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:202 Resp: 3751002

Ion	Ratio	Lower	Upper
202	100		
101	19.8	11.0	16.4#
100	16.8	8.1	12.1#



Instrument :
BNA_G
ClientSampleId :
DABH8

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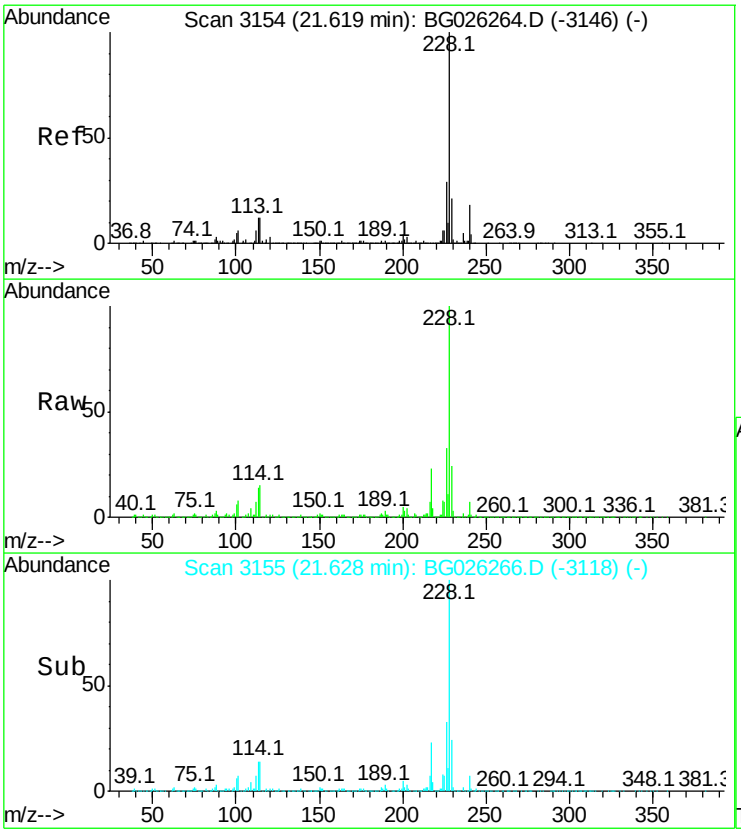
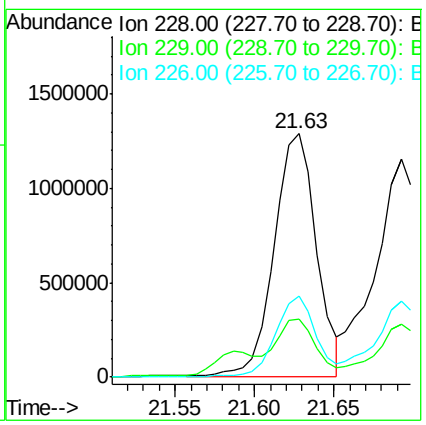
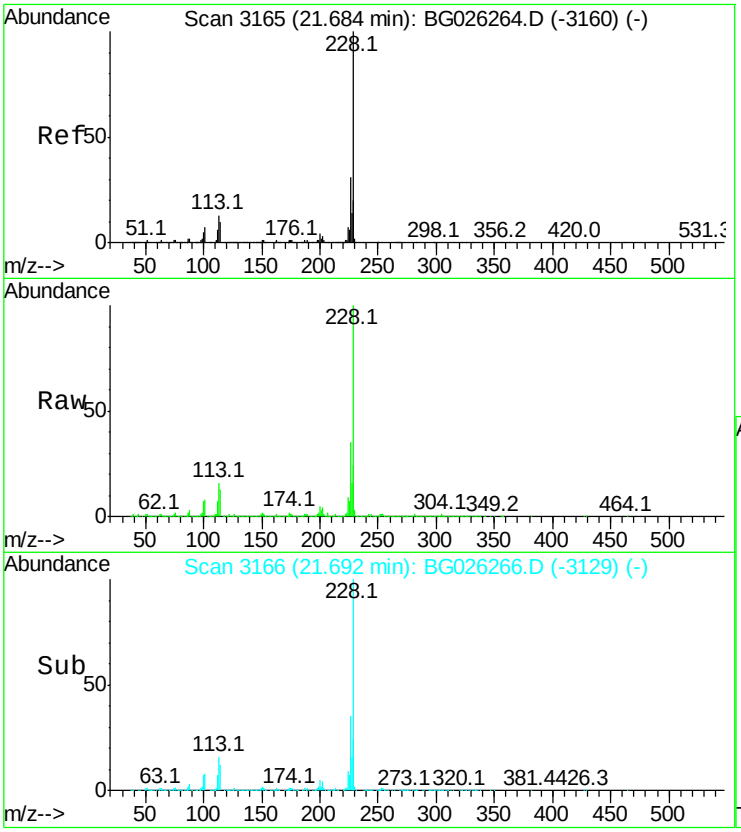


#20
Benzo(a)anthracene
Concen: 76.58 ng/ul
RT: 21.63 min Scan# 3155
Delta R.T. 0.02 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:228 Resp: 2374780

Ion	Ratio	Lower	Upper
228	100		
229	24.0	15.7	23.5#
226	33.3	21.1	31.7#





#21
Chrysene
Concen: 75.86 ng/ul
RT: 21.69 min Scan# 3166
Delta R.T. 0.02 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:228 Resp: 2247730

Ion	Ratio	Lower	Upper
228	100		
226	35.0	24.5	36.7
229	24.2	15.8	23.8#

Instrument :
BNA_G
ClientSampleId :
DABH8

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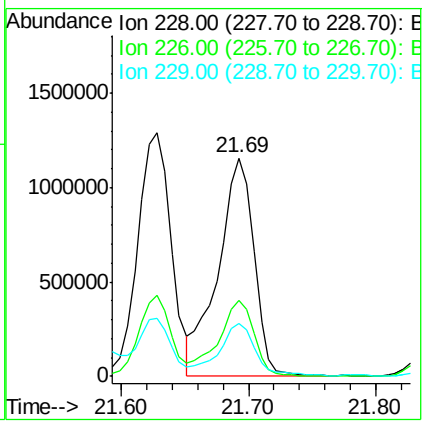
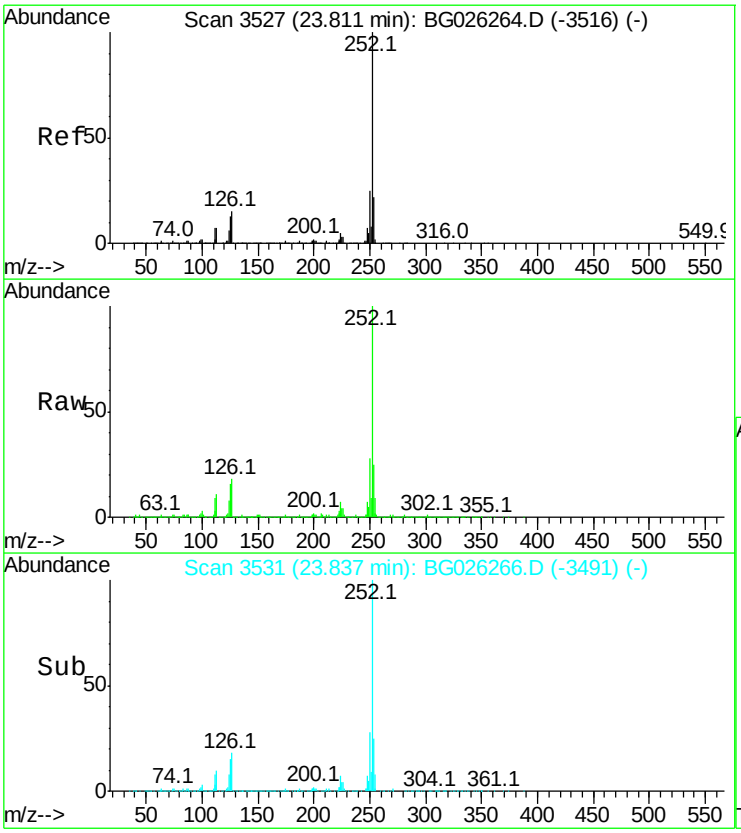
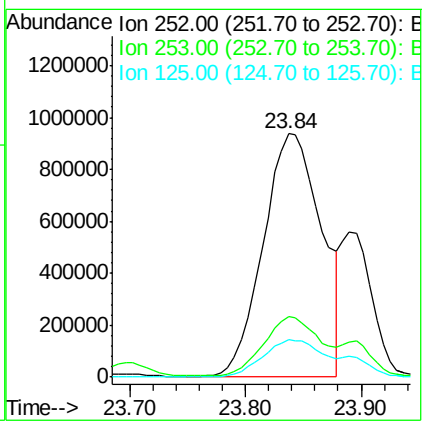


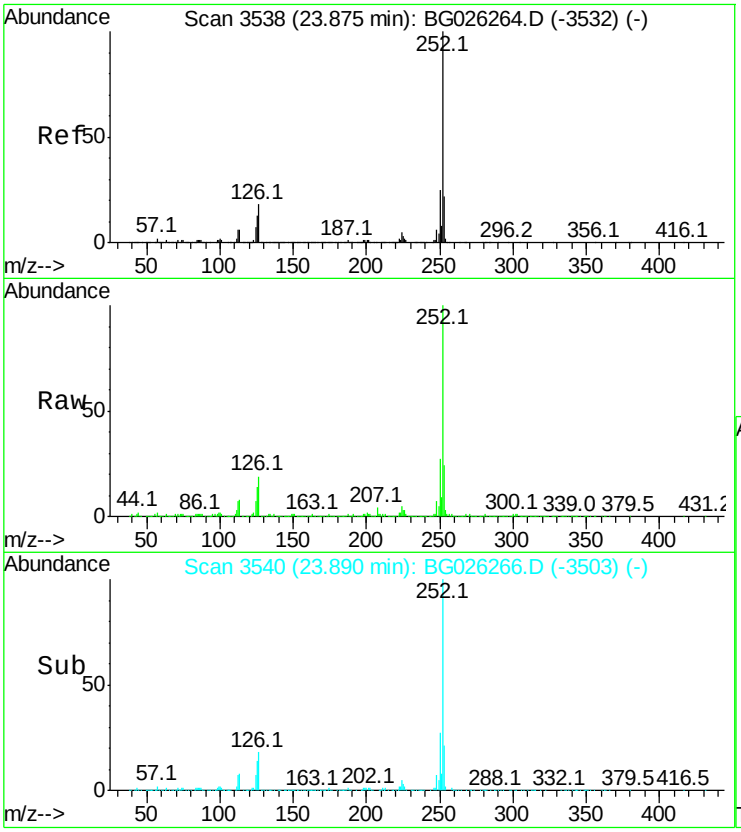


#23
Benzo(b)fluoranthene
Concen: 105.36 ng/ul
RT: 23.84 min Scan# 3531
Delta R.T. 0.03 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:252 Resp: 3274273

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	15.6	8.0	12.0#

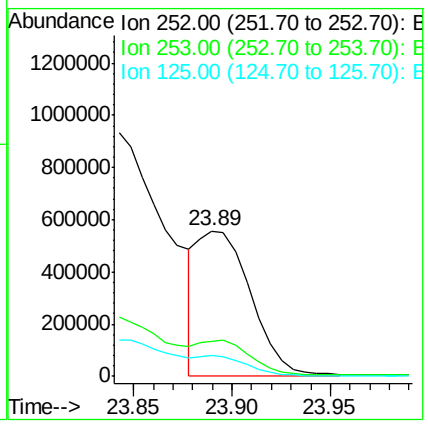




#24
Benzo(k)fluoranthene
Concen: 34.57 ng/ul m
RT: 23.89 min Scan# 3540
Delta R.T. 0.02 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:252 Resp: 1037821

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	14.4	8.1	12.1#



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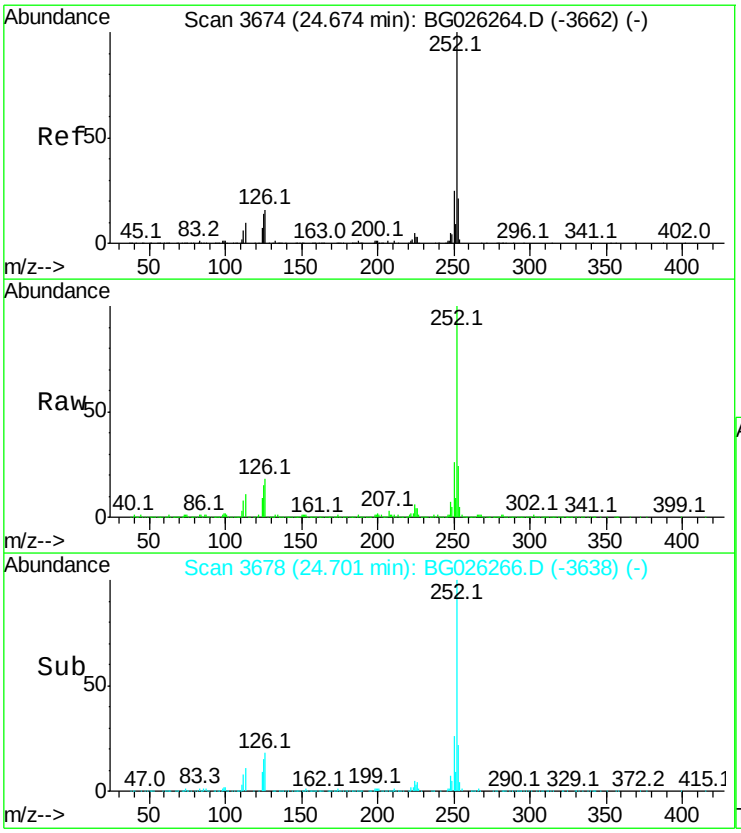
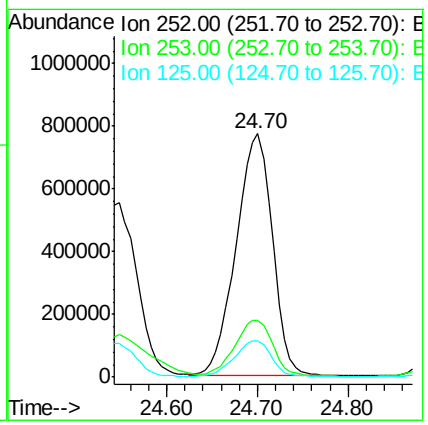
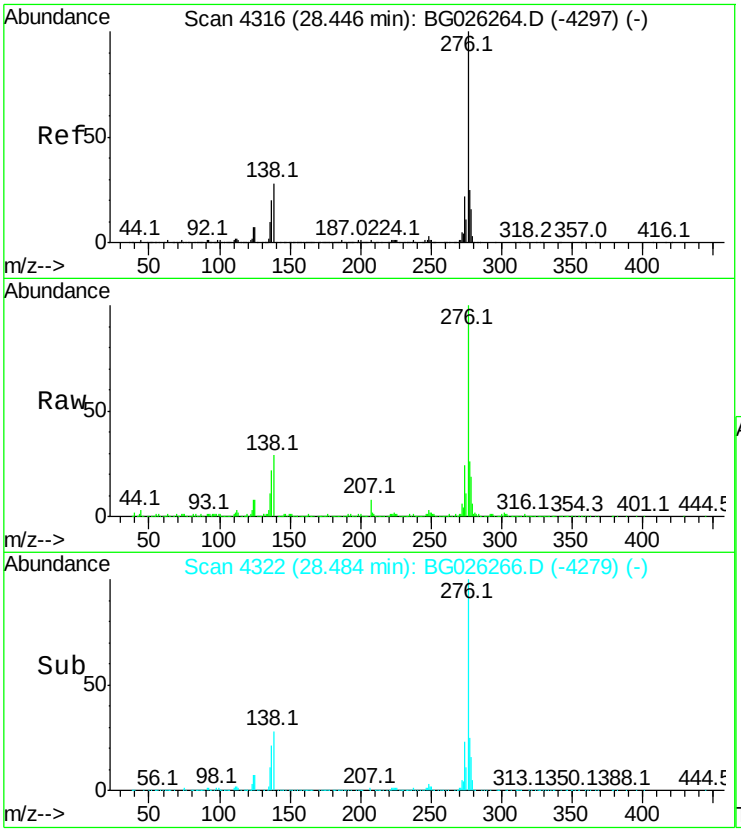


#26
Benzo(a)pyrene
Concen: 71.27 ng/ul
RT: 24.70 min Scan# 3678
Delta R.T. 0.03 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:252 Resp: 2143517

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	14.8	8.2	12.4#





#27
Indeno(1,2,3-cd)pyrene
Concen: 41.09 ng/ul
RT: 28.48 min Scan# 4322
Delta R.T. 0.05 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:276 Resp: 1447428

Ion	Ratio	Lower	Upper
276	100		
138	28.5	14.4	21.6#
277	26.1	18.0	27.0

Instrument :
BNA_G
ClientSampleId :
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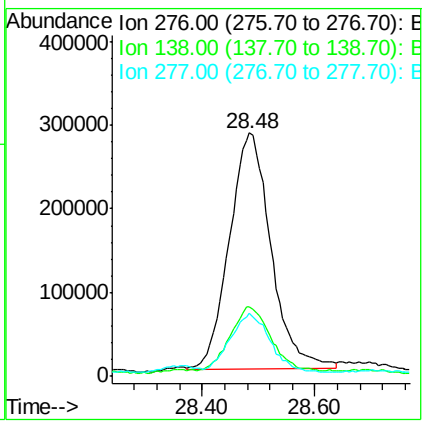
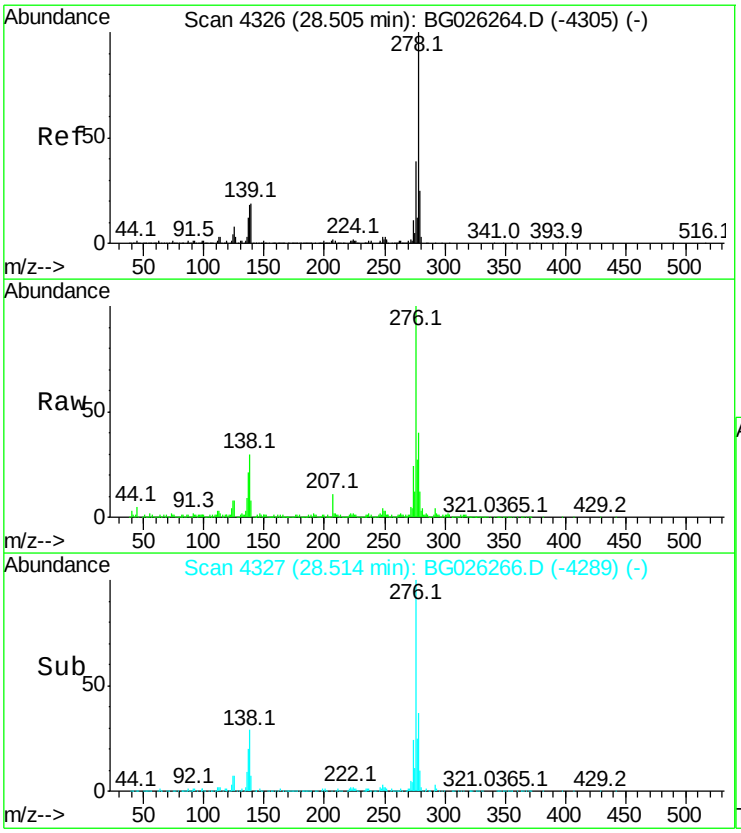
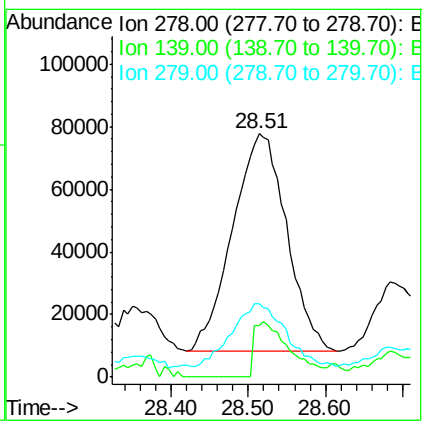


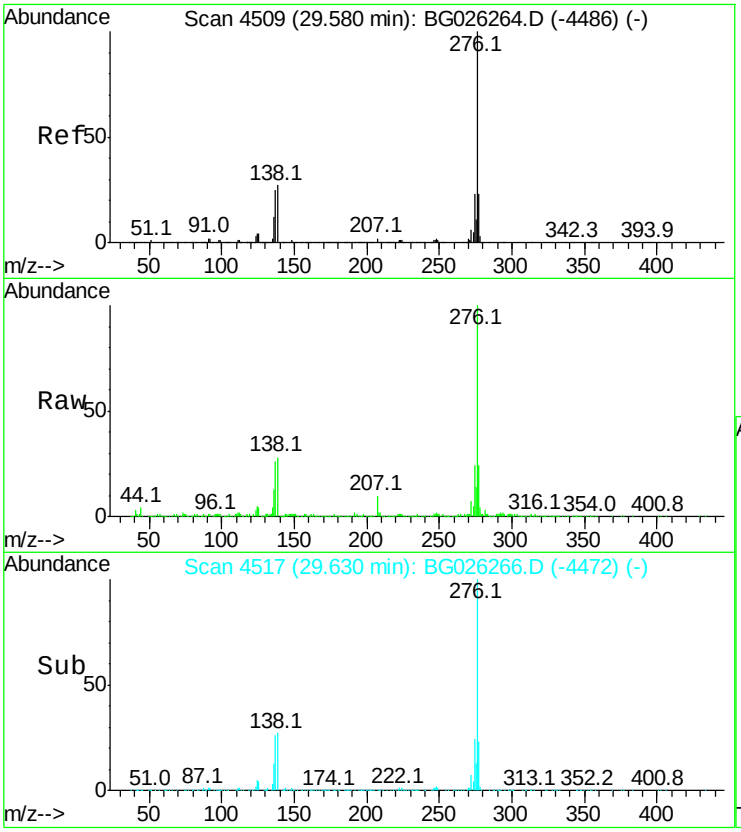


#28
Dibenzo(a,h)anthracene
Concen: 11.72 ng/ul
RT: 28.51 min Scan# 4327
Delta R.T. 0.02 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:278 Resp: 341967

Ion	Ratio	Lower	Upper
278	100		
139	21.0	12.2	18.4#
279	30.1	19.2	28.8#

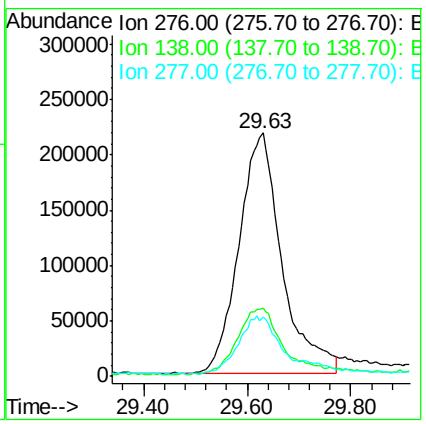




#29
Benzo(g,h,i)perylene
Concen: 43.24 ng/ul
RT: 29.63 min Scan# 4517
Delta R.T. 0.06 min
Lab File: BG026266.D
Acq: 16 Mar 2017 12:41

Tgt Ion:276 Resp: 1256673

Ion	Ratio	Lower	Upper
276	100		
138	28.1	15.3	22.9#
277	24.1	19.0	28.4



Instrument :
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ClientSampleId :
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