

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
 Data File : BG026314.D
 Acq On : 18 Mar 2017 12:20
 Operator : SJ/MA
 Sample : I2283-15
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB314

Manual Integrations
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 3/20/2017 12:56:02 PM

Quant Time: Mar 20 03:50:54 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	171831	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	794086	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	440771	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	866383	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	854648	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	816114	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	276266	23.49	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	1048584	27.90	ng/ul	0.00
10) Fluorene-d10	15.65	176	731276	26.68	ng/ul	0.00
15) Anthracene-d10	17.49	188	1046551	27.18	ng/ul	0.00
19) Pyrene-d10	19.76	212	1124881	25.79	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	1066355	30.30	ng/ul	0.00
Target Compounds						
4) Naphthalene	10.90	128	50313	1.30	ng/ul	98
14) Phenanthrene	17.43	178	485987	10.58	ng/ul	99
16) Anthracene	17.52	178	93893	2.02	ng/ul	98
17) Fluoranthene	19.44	202	1012892	21.25	ng/ul	99
20) Pyrene	19.79	202	867978	15.95	ng/ul	99
21) Benzo(a)anthracene	21.62	228	535187	11.25	ng/ul	98
22) Chrysene	21.68	228	513034	11.56	ng/ul	100
24) Benzo(b)fluoranthene	23.82	252	763114	16.47	ng/ul	96
25) Benzo(k)fluoranthene	23.87	252	220318m	4.98	ng/ul	
27) Benzo(a)pyrene	24.68	252	455929	10.59	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	247198	5.20	ng/ul#	95
29) Dibenzo(a,h)anthracene	28.51	278	68864m	1.83	ng/ul	
30) Benzo(g,h,i)perylene	29.59	276	210968m	5.18	ng/ul	

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

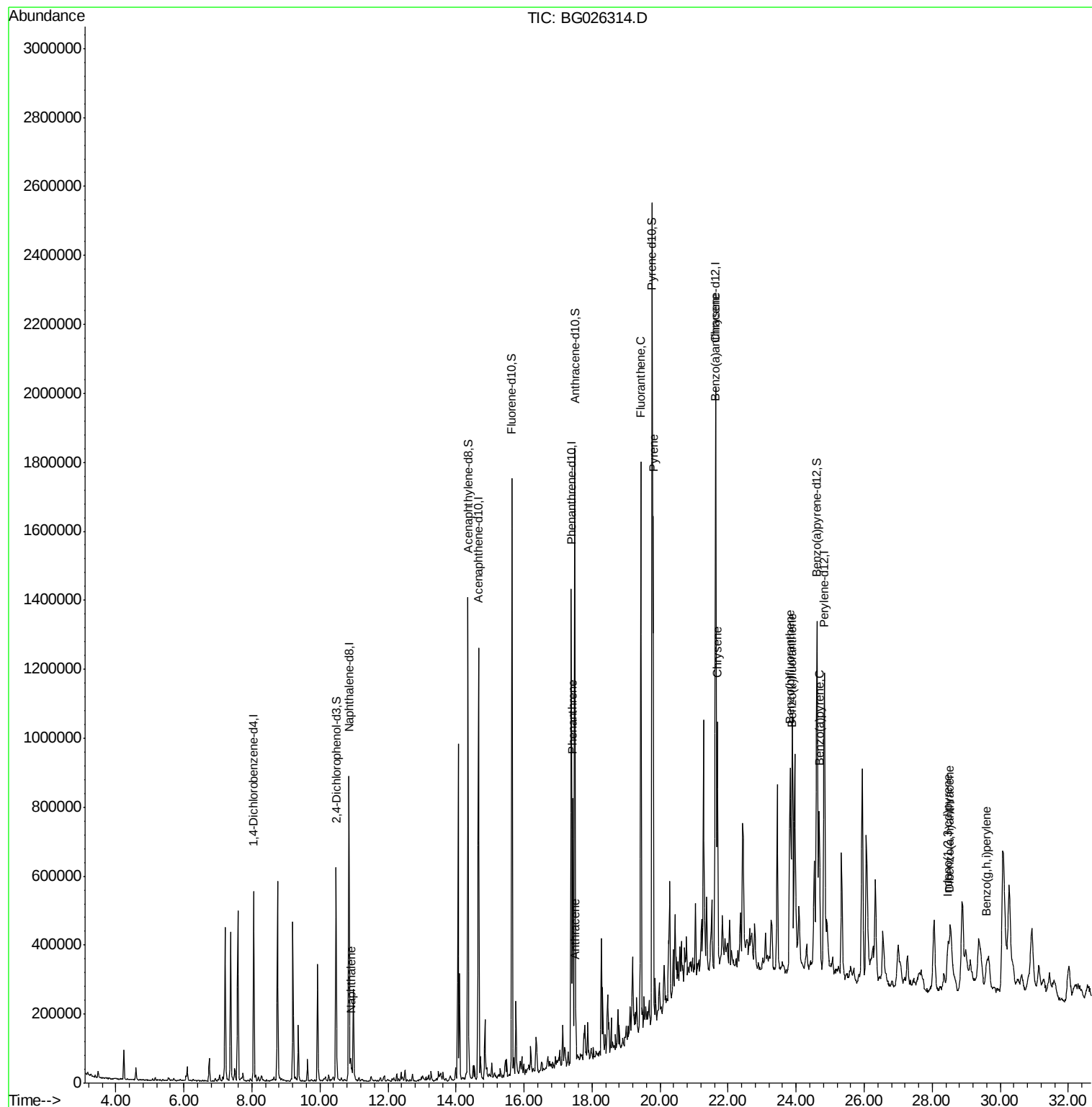
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031717\
Data File : BG026314.D
Acq On : 18 Mar 2017 12:20
Operator : SJ/MA
Sample : I2283-15
Misc :
ALS Vial : 37 Sample Multiplier: 1

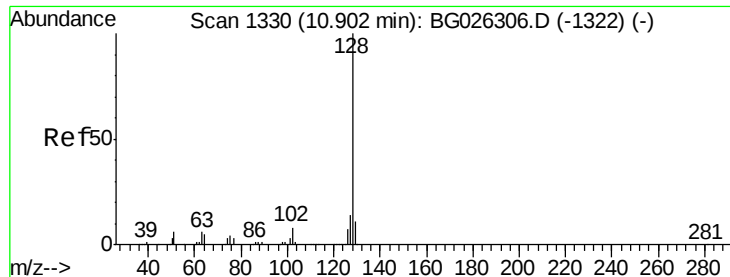
Instrument :
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Quant Time: Mar 20 03:50:54 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 20 03:22:51 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.30 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

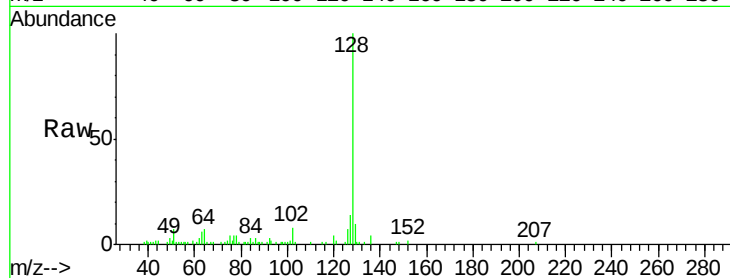
ClientSampleId :

CB314

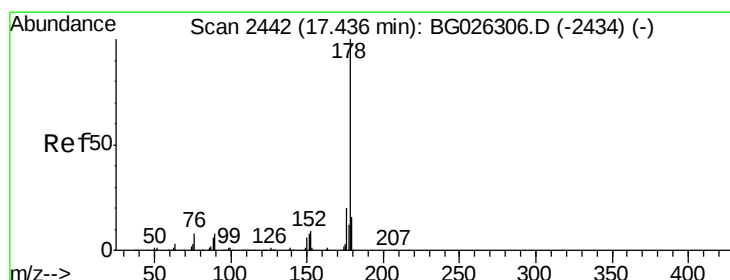
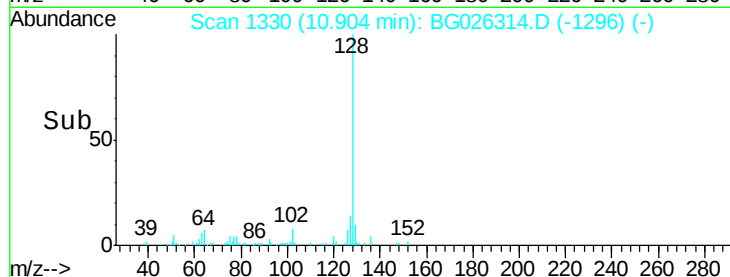
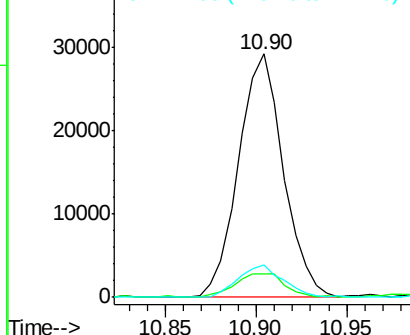
Tgt Ion:	128	Resp:	50313
Ion Ratio	Lower	Upper	
128	100		
129	9.9	9.1	13.7
127	13.5	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#14

Phenanthrene

Concen: 10.58 ng/ul

RT: 17.43 min Scan# 2441

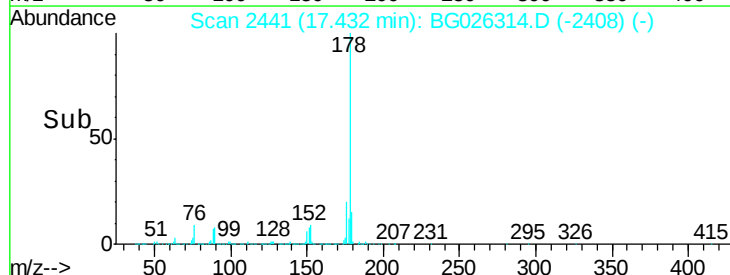
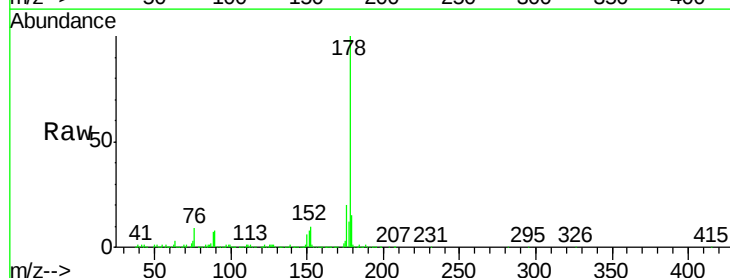
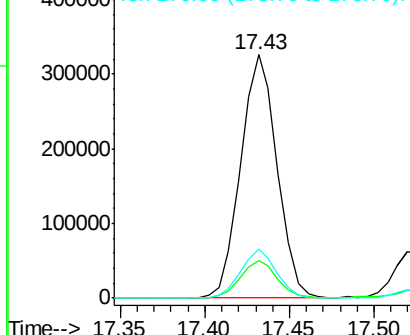
Delta R.T. -0.00 min

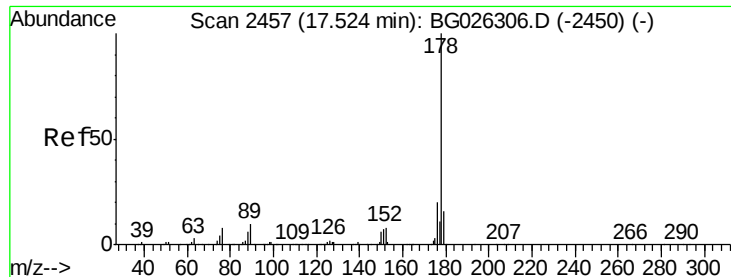
Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Tgt Ion:	178	Resp:	485987
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.2	18.4
176	20.0	16.4	24.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





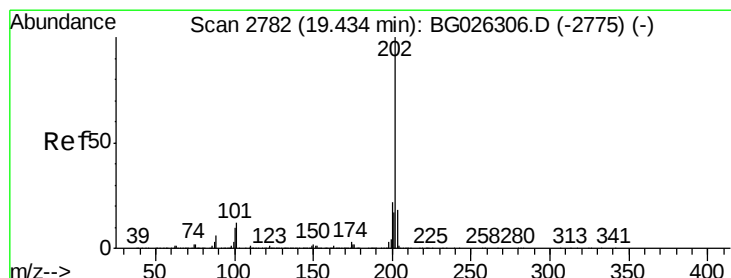
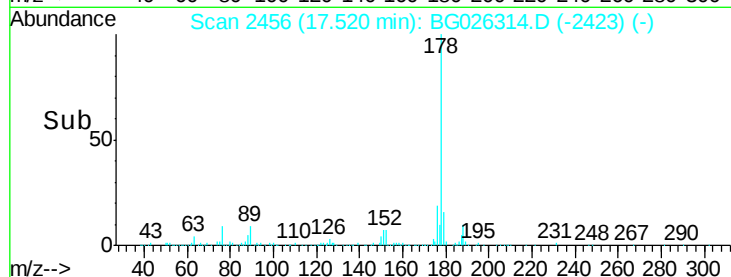
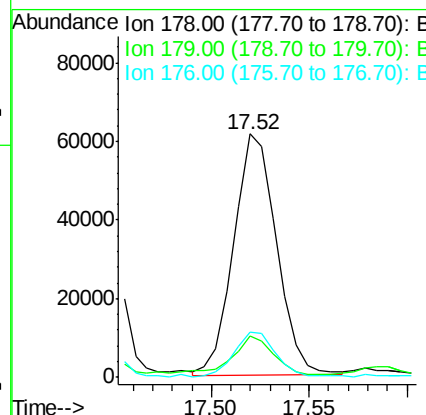
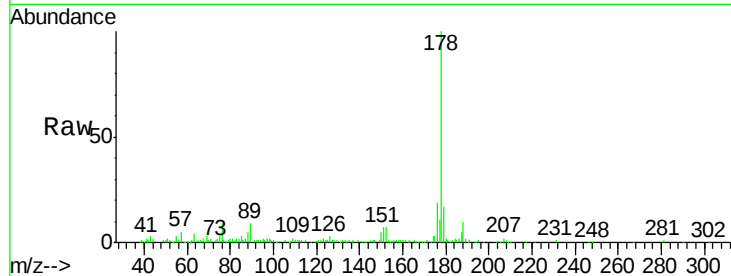
#16
 Anthracene
 Concen: 2.02 ng/ul
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: BG026314.D
 Acq: 18 Mar 2017 12:20

Instrument :
 BNA_G
 ClientSampleId :
 CB314

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.7	19.1
176	18.8	15.8	23.8

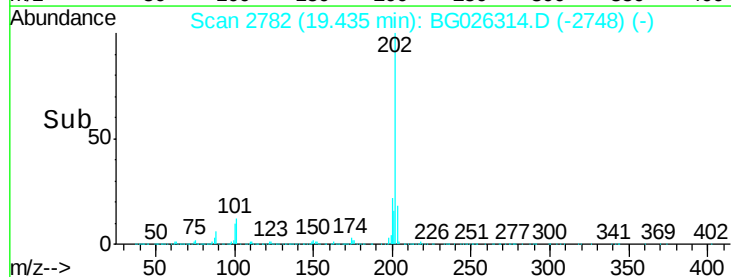
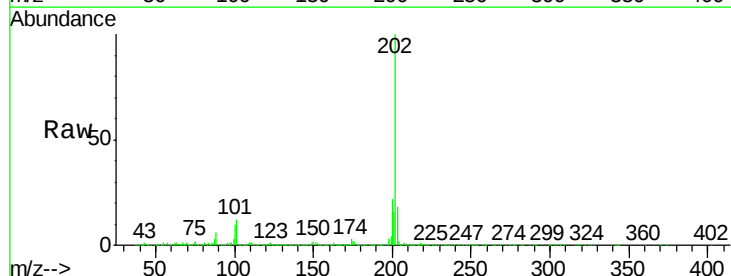
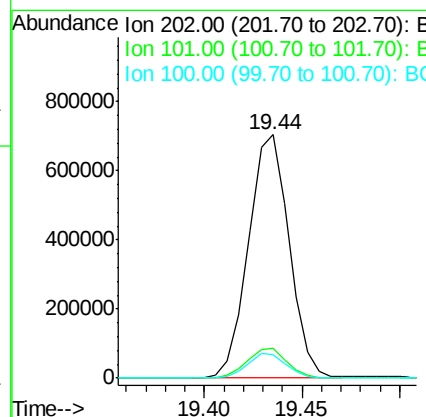
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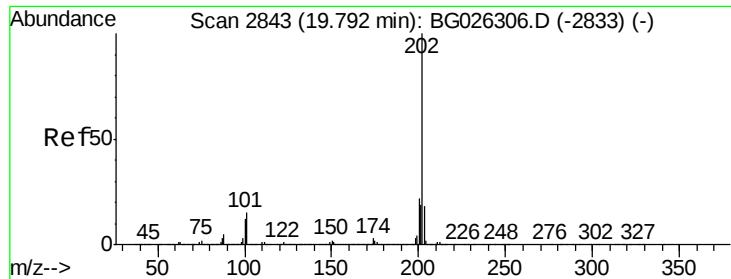
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#17
 Fluoranthene
 Concen: 21.25 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026314.D
 Acq: 18 Mar 2017 12:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
100	9.7	7.5	11.3





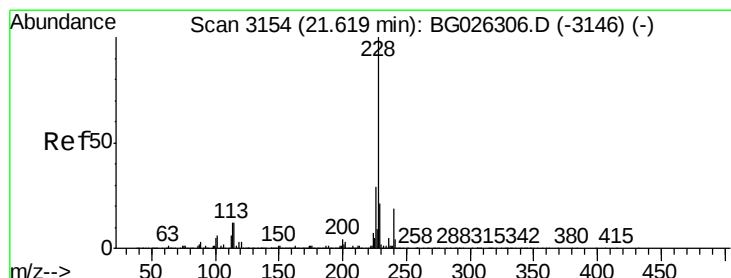
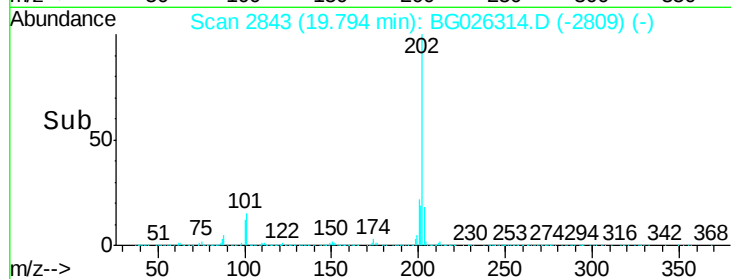
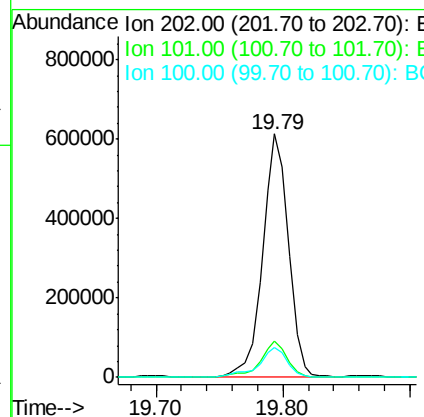
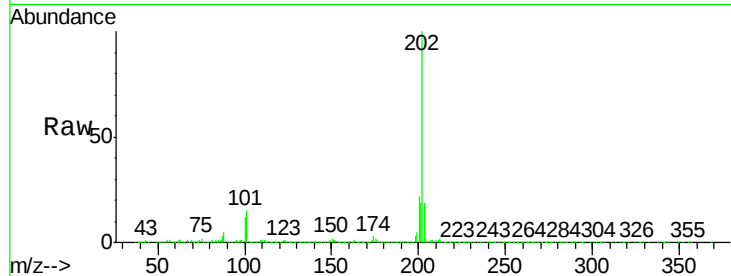
#20
 Pyrene
 Concen: 15.95 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026314.D
 Acq: 18 Mar 2017 12:20

Instrument :
 BNA_G
 ClientSampleId :
 CB314

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	867978		
101	14.9		11.2	16.8
100	12.4		9.8	14.6

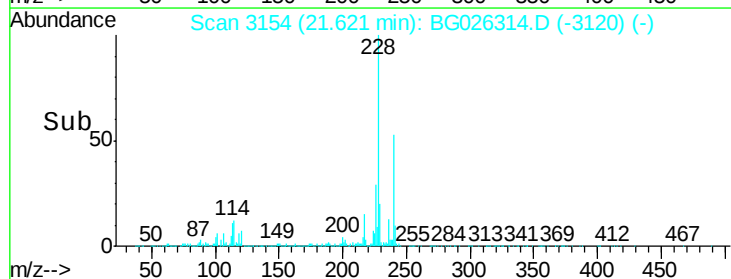
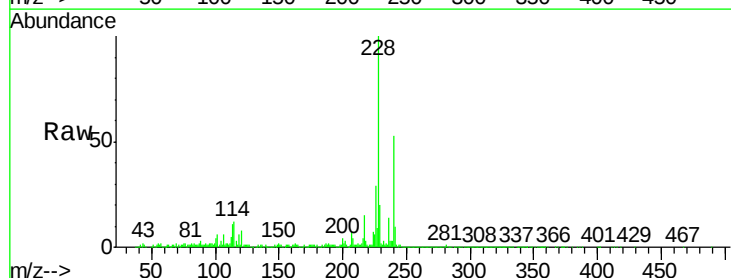
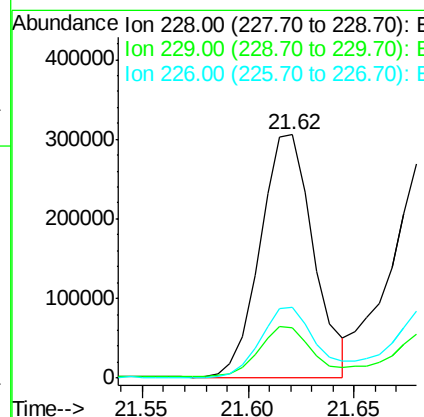
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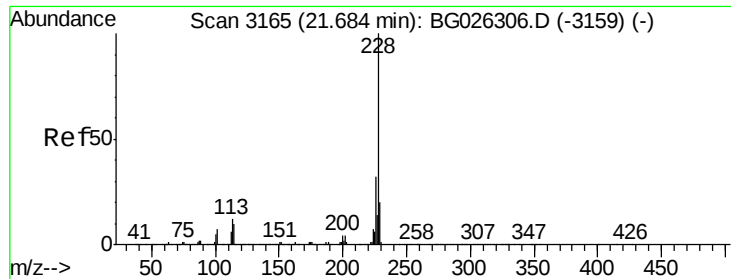
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#21
 Benzo(a)anthracene
 Concen: 11.25 ng/ul
 RT: 21.62 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: BG026314.D
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	535187		
229	20.4		15.9	23.9
226	28.9		22.1	33.1





#22

Chrysene

Concen: 11.56 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

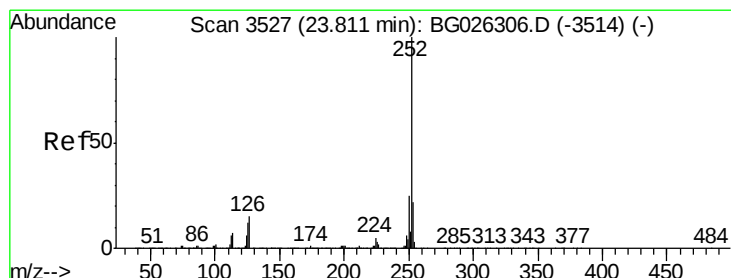
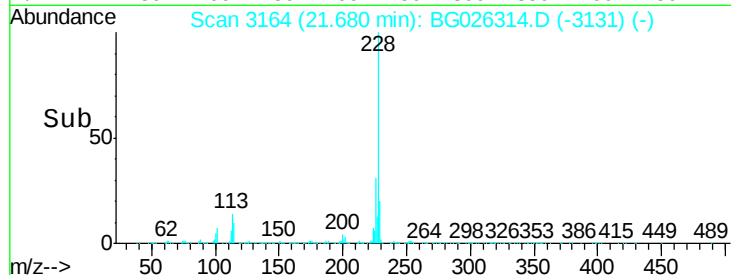
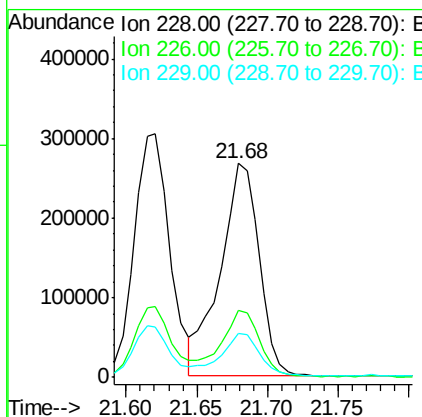
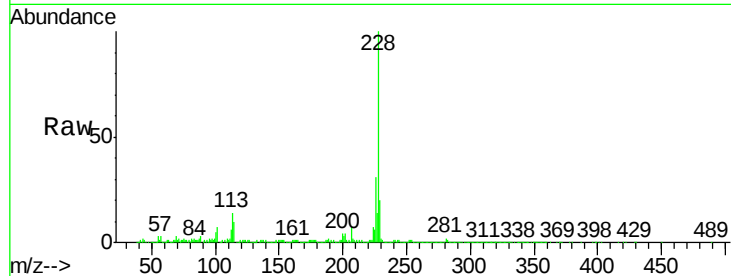
ClientSampleId :

CB314

Tgt Ion:	228	Resp:	513034
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	20.4	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 16.47 ng/ul

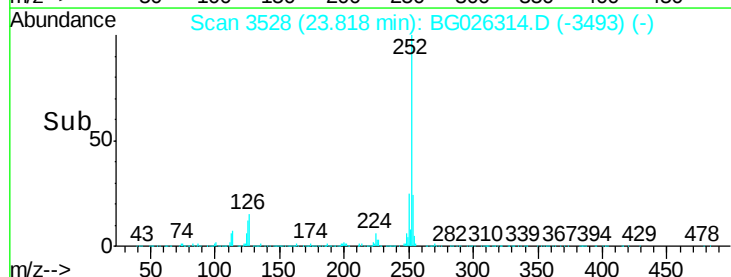
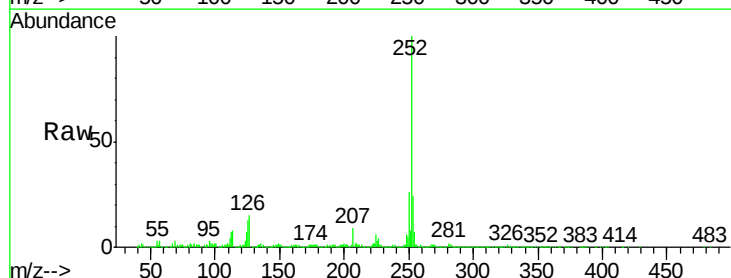
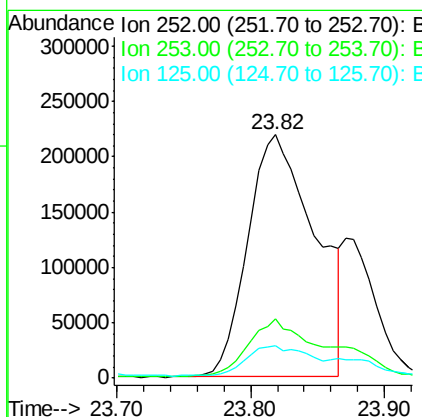
RT: 23.82 min Scan# 3528

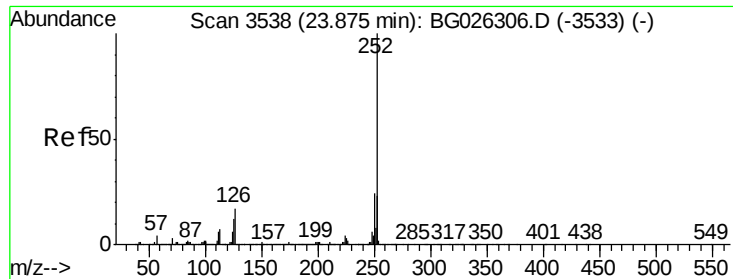
Delta R.T. 0.01 min

Lab File: BG026314.D

Acq: 18 Mar 2017 12:20

Tgt Ion:	252	Resp:	763114
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	13.1	9.4	14.0





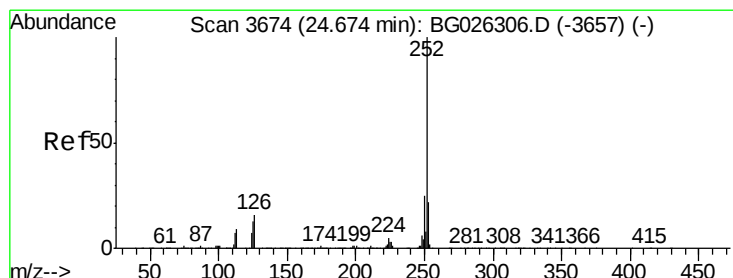
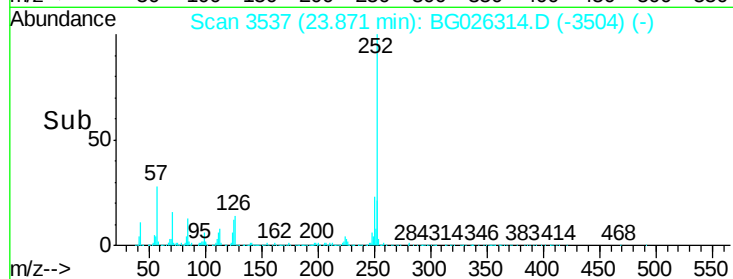
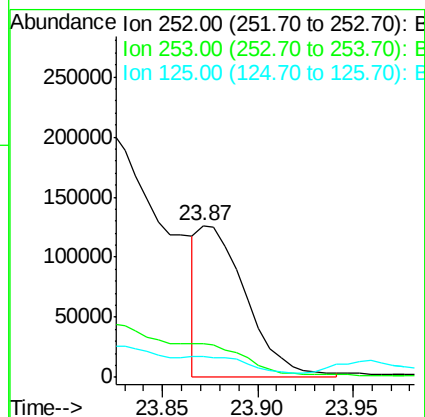
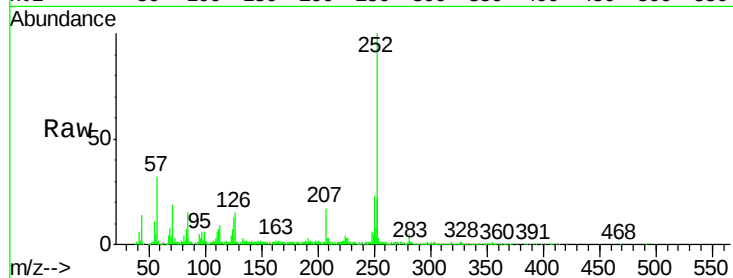
#25
Benzo(k)fluoranthene
Concen: 4.98 ng/ul m
RT: 23.87 min Scan# 3537
Delta R.T. -0.00 min
Lab File: BG026314.D
Acq: 18 Mar 2017 12:20

Instrument :
BNA_G
ClientSampled :
CB314

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.4	26.2
125	13.4	8.8	13.2

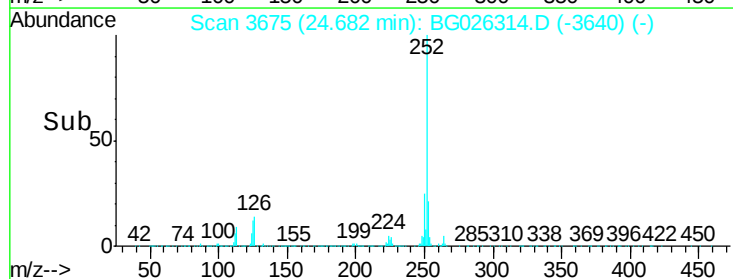
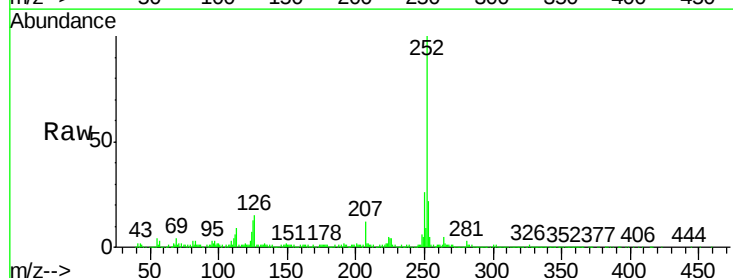
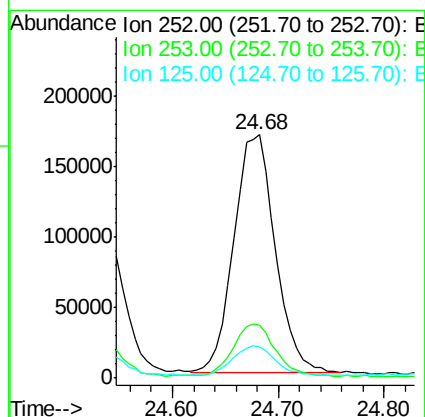
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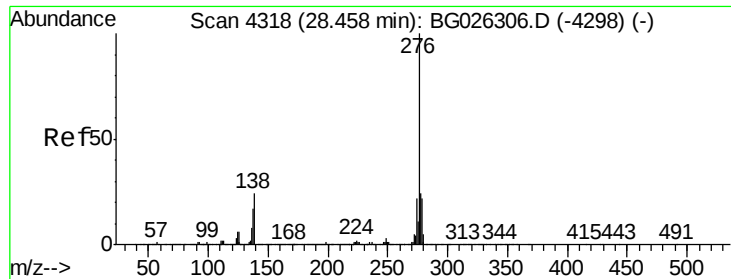
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#27
Benzo(a)pyrene
Concen: 10.59 ng/ul
RT: 24.68 min Scan# 3675
Delta R.T. 0.01 min
Lab File: BG026314.D
Acq: 18 Mar 2017 12:20

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.1	25.7
125	12.9	9.4	14.2





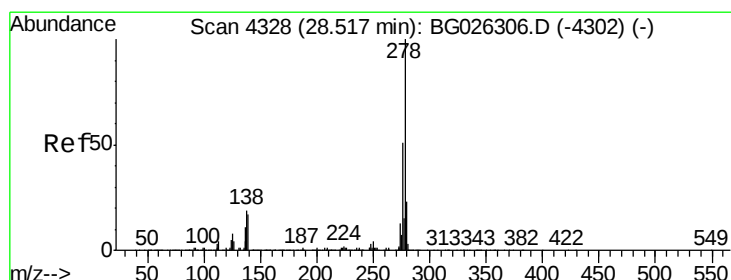
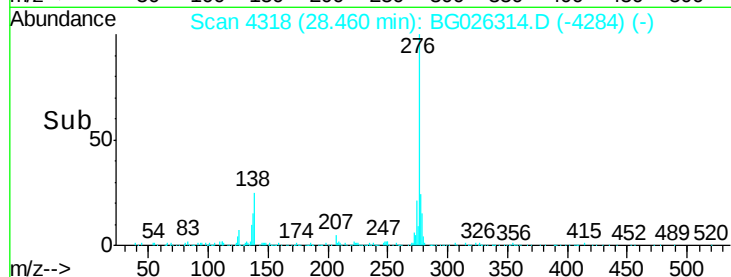
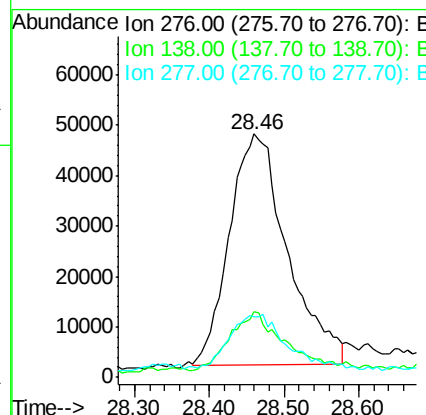
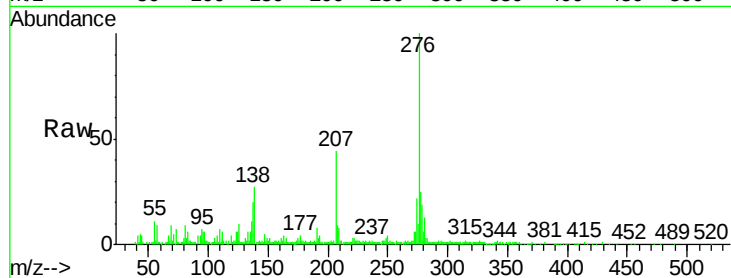
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 5.20 ng/ul
 RT: 28.46 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: BG026314.D
 Acq: 18 Mar 2017 12:20

Instrument :
 BNA_G
 ClientSampleId :
 CB314

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	17.8	26.6#
277	25.0	19.4	29.0

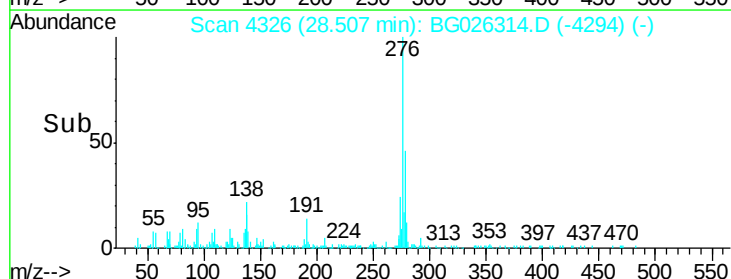
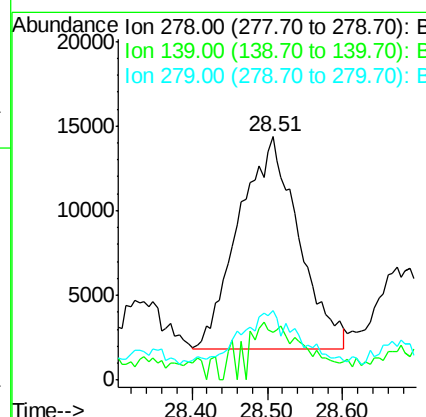
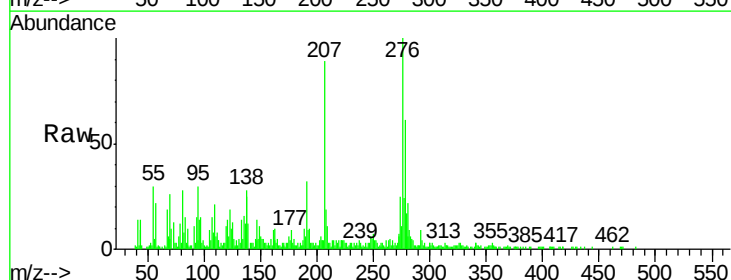
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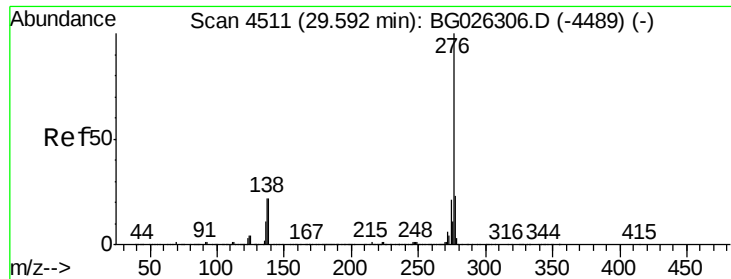
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#29
 Dibenzo(a,h)anthracene
 Concen: 1.83 ng/ul m
 RT: 28.51 min Scan# 4326
 Delta R.T. -0.01 min
 Lab File: BG026314.D
 Acq: 18 Mar 2017 12:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.0	21.0
279	28.7	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 5.18 ng/ul m

RT: 29.59 min Scan# 4511

Delta R.T. 0.00 min

Lab File: BG026314.D

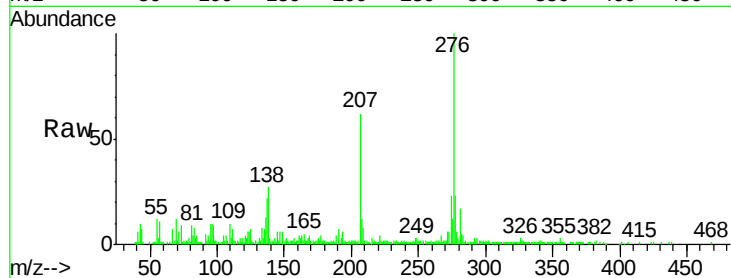
Acq: 18 Mar 2017 12:20

Instrument :

BNA_G

ClientSampleId :

CB314



Tgt Ion: 276 Resp: 210968

Ion Ratio Lower Upper

276 100

138 27.4 19.0 28.4

277 23.4 19.7 29.5

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