

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052216\
 Data File : BG022018.D
 Acq On : 22 May 2016 18:42
 Operator : UM/SJ
 Sample : H3204-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ9

Manual Integrations
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Quant Time: May 24 10:05:31 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42306	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	216075	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	115339	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	210752	20.00	ng/ul	0.00
29) Chrysene-d12	21.82	240	187163	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	173832	20.00	ng/ul	0.02

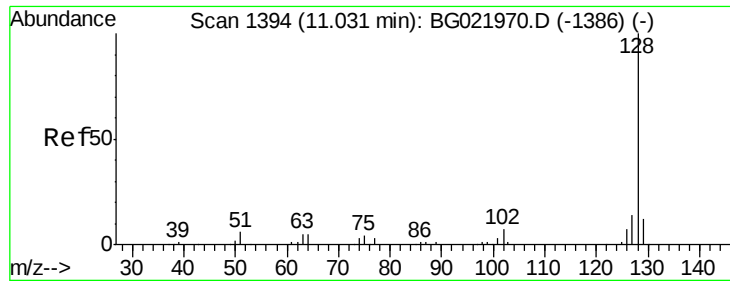
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.53	96	2012	2.18	ng/uL	0.00
3) Phenol-d5	7.31	99	103939	27.82	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	57669	28.99	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	91738	29.91	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	91185	27.40	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	47012	31.01	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	50203	31.04	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	87880	30.74	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	81029	35.99	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	260052	29.24	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	363078	31.70	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	23699m	15.15	ng/ul	0.00
21) Fluorene-d10	15.77	176	233381	29.16	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	22826	21.82	ng/ul	0.00
26) Anthracene-d10	17.63	188	298301	30.72	ng/ul	0.00
30) Pyrene-d10	19.91	212	302888	30.67	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.92	264	253595	32.85	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	11.03	128	31296	2.98	ng/ul	97
13) 2-Methylnaphthalene	12.62	142	8987	1.18	ng/ul	98
19) Acenaphthene	14.84	153	8437	1.03	ng/ul	96
25) Phenanthrene	17.57	178	195642	17.37	ng/ul	97
27) Anthracene	17.66	178	48174	4.26	ng/ul	97
28) Fluoranthene	19.57	202	491599	41.99	ng/ul#	93
31) Pyrene	19.94	202	427345m	33.15	ng/ul	
32) Benzo(a)anthracene	21.79	228	328466	31.64	ng/ul	96
33) Chrysene	21.86	228	332636	32.93	ng/ul	96
35) Benzo(b)fluoranthene	24.09	252	667959	66.84	ng/ul#	93
36) Benzo(k)fluoranthene	24.15	252	161479m	16.43	ng/ul	
38) Benzo(a)pyrene	25.00	252	387137	40.51	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	28.98	276	301318	27.74	ng/ul#	92
40) Dibenzo(a,h)anthracene	29.02	278	75154m	8.35	ng/ul	
41) Benzo(g,h,i)perylene	30.16	276	233338	25.39	ng/ul#	92

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



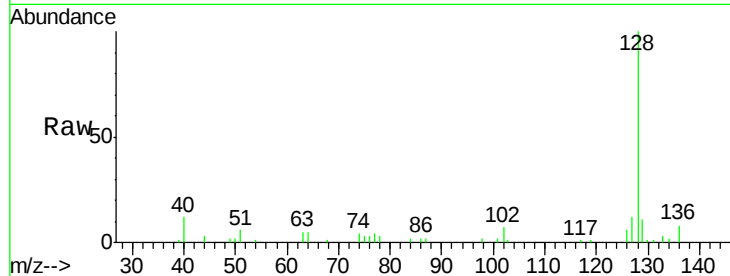
#11
Naphthalene
Concen: 2.98 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
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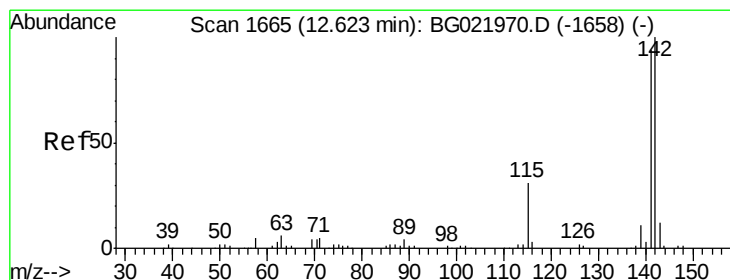
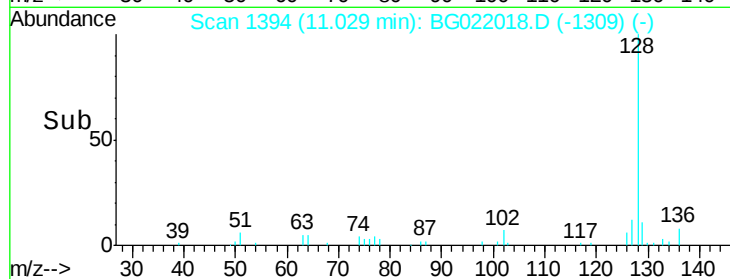
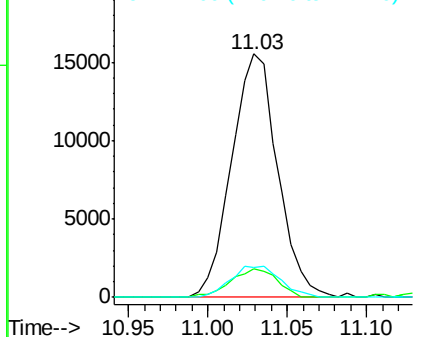
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	31296		
129	11.5		8.3	12.5
127	12.0		10.8	16.2

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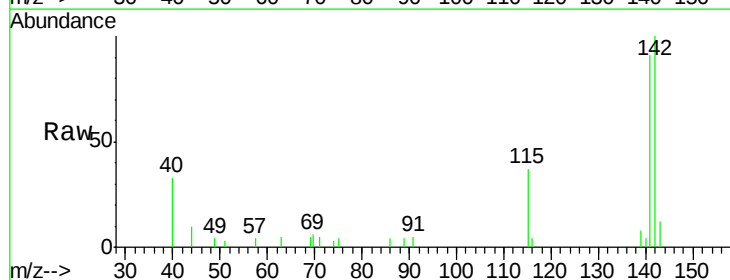


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

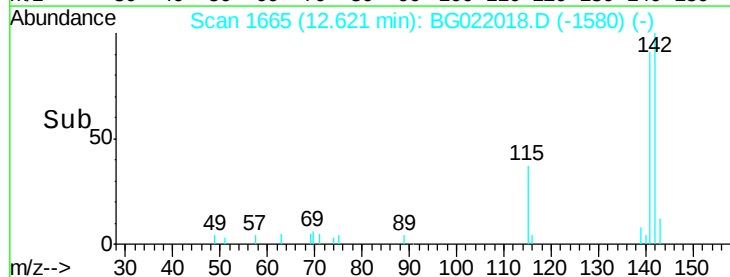
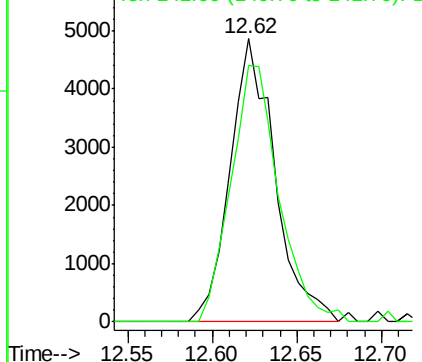


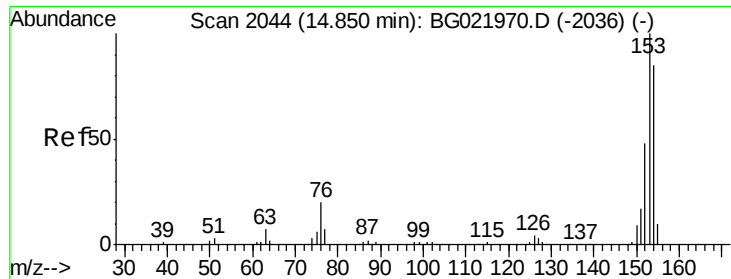
#13
2-Methylnaphthalene
Concen: 1.18 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	8987		
141	90.6		71.3	106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





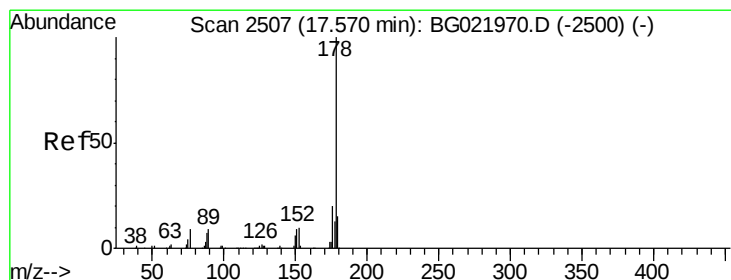
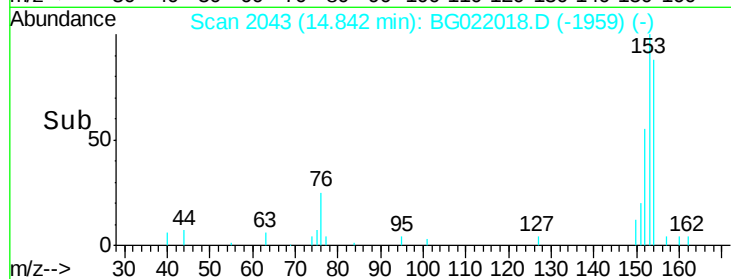
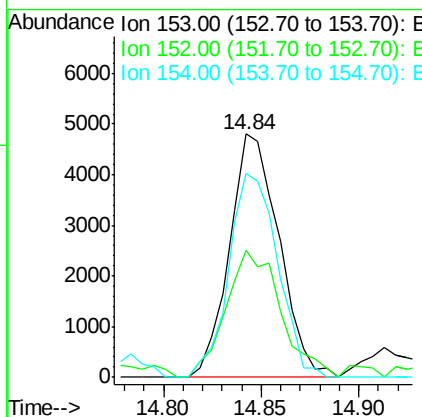
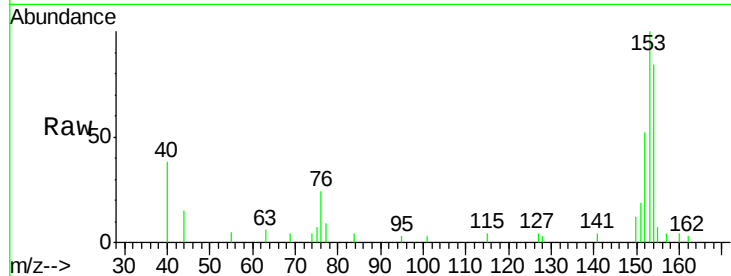
#19
Acenaphthene
Concen: 1.03 ng/ul
RT: 14.84 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XJ9

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.1	36.5	54.7
154	83.5	67.3	100.9

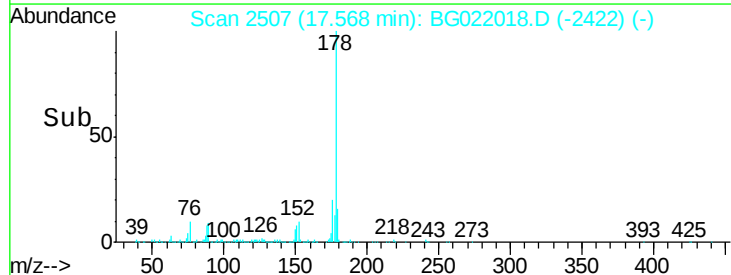
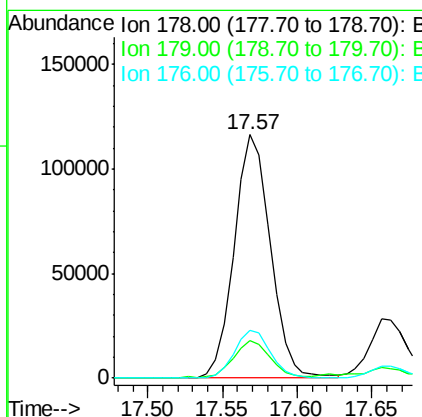
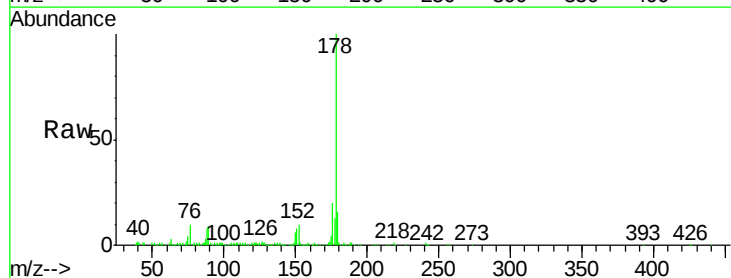
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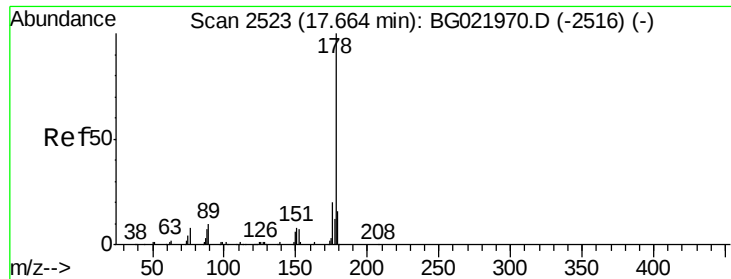
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#25
Phenanthrene
Concen: 17.37 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.9	14.8	22.2





#27

Anthracene

Concen: 4.26 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BG022018.D

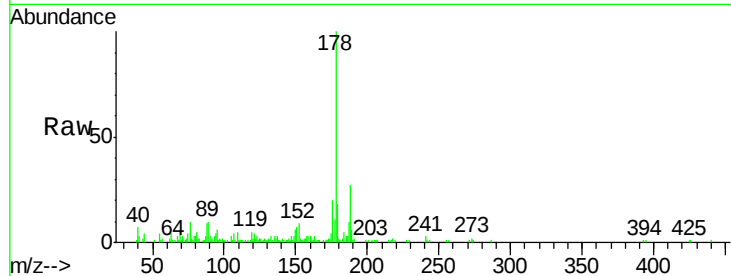
Acq: 22 May 2016 18:42

Instrument :

BNA_G

ClientSampleId :

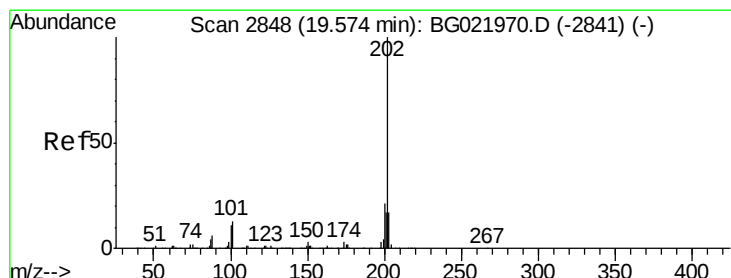
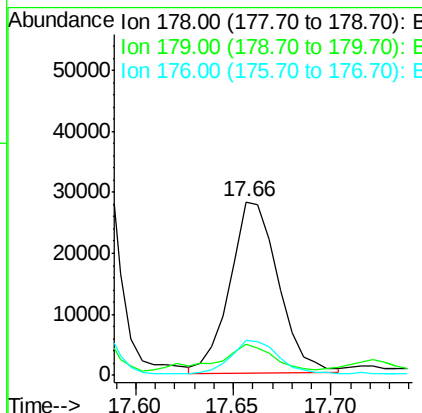
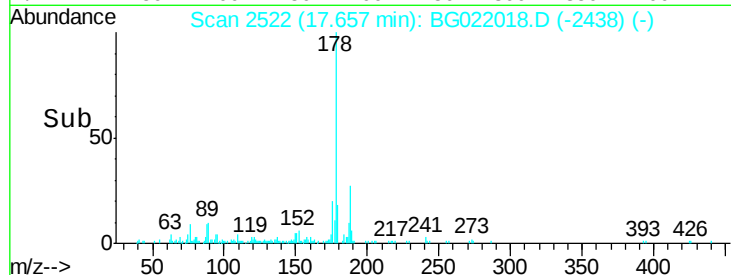
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Tgt Ion:	178	Resp:	48174
Ion Ratio	Lower	Upper	
178	100		
179	18.3	12.9	19.3
176	20.4	15.6	23.4

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#28

Fluoranthene

Concen: 41.99 ng/ul

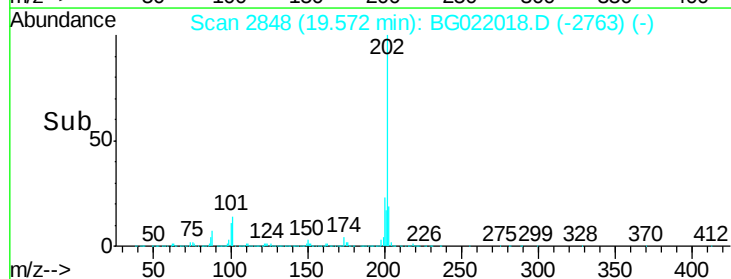
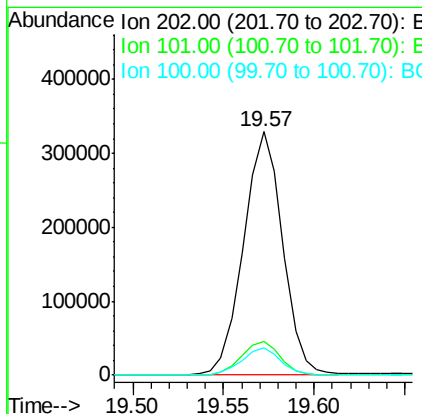
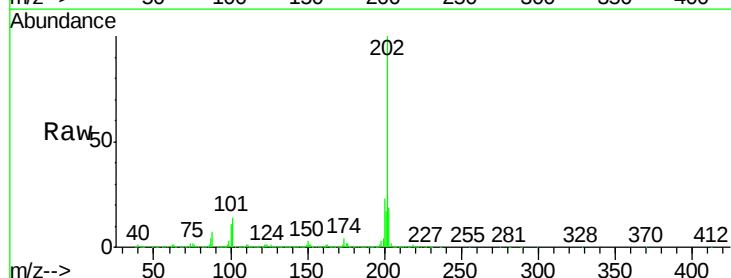
RT: 19.57 min Scan# 2848

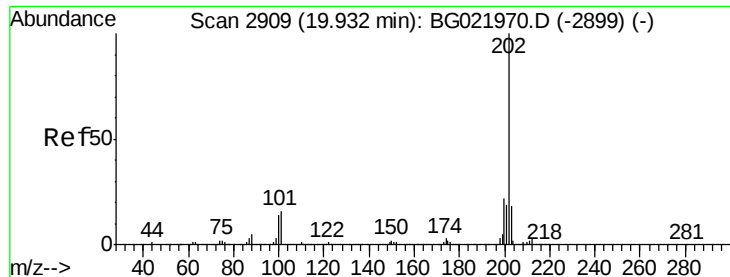
Delta R.T. -0.00 min

Lab File: BG022018.D

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Tgt Ion:	202	Resp:	491599
Ion Ratio	Lower	Upper	
202	100		
101	14.0	8.9	13.3#
100	11.0	7.0	10.4#





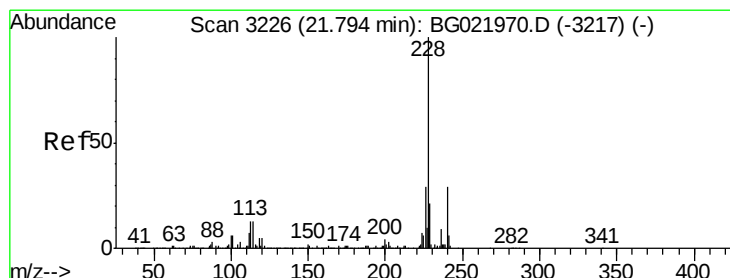
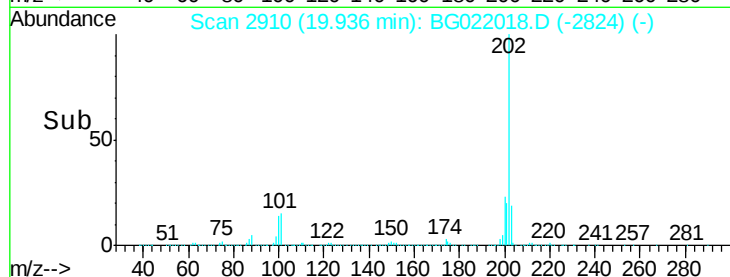
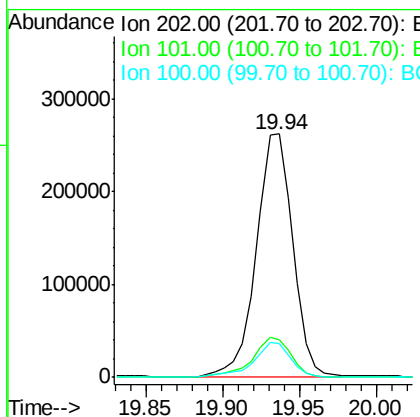
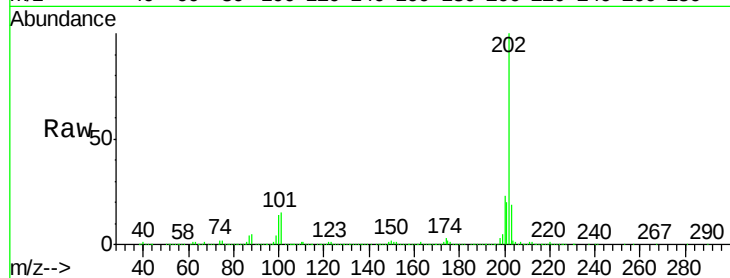
#31
 Pyrene
 Concen: 33.15 ng/ul m
 RT: 19.94 min Scan# 2910
 Delta R.T. 0.00 min
 Lab File: BG022018.D
 Acq: 22 May 2016 18:42

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.3	9.8	14.8#
100	14.0	9.3	13.9#

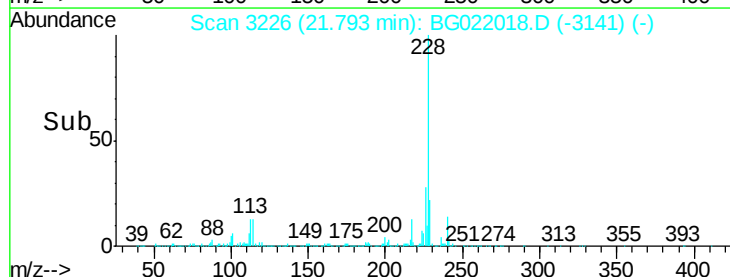
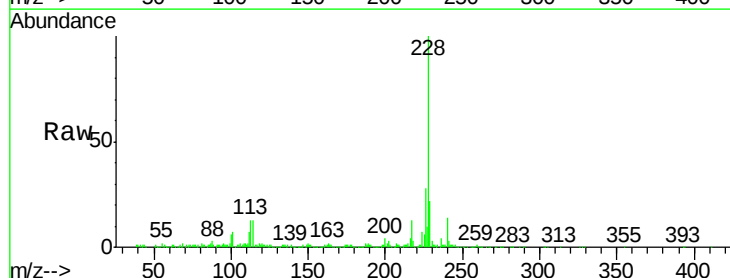
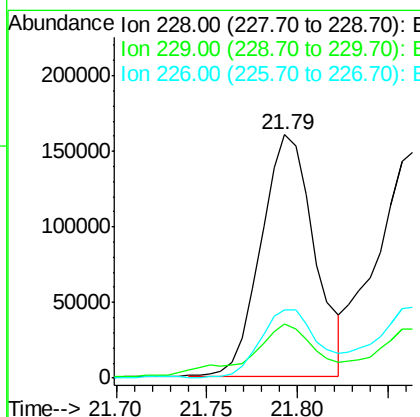
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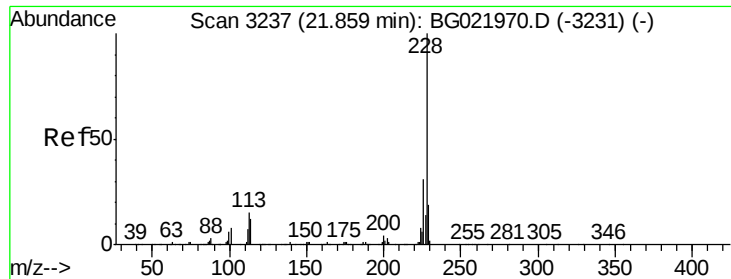
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#32
 Benzo(a)anthracene
 Concen: 31.64 ng/ul
 RT: 21.79 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: BG022018.D
 Acq: 22 May 2016 18:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.4	16.6	25.0
226	28.0	21.0	31.4





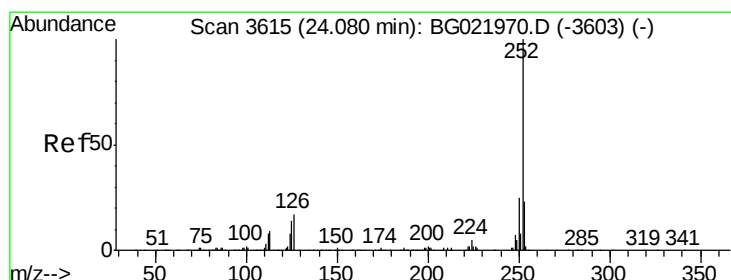
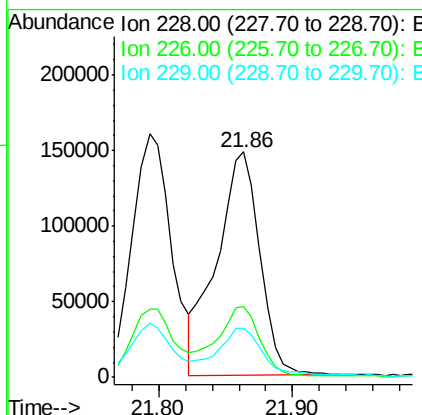
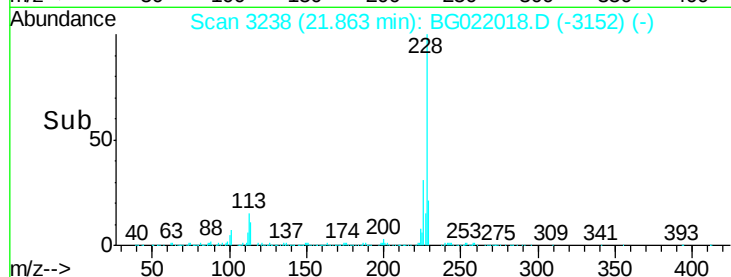
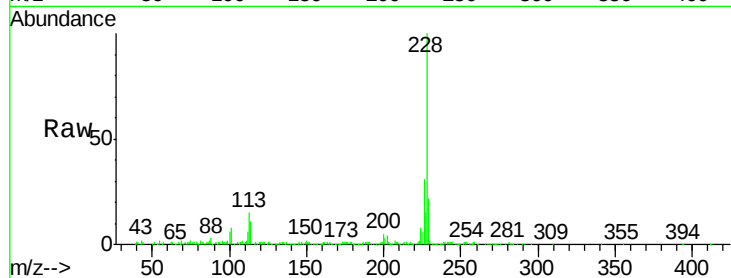
#33
Chrysene
Concen: 32.93 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.3	23.4	35.2
229	21.8	16.2	24.2

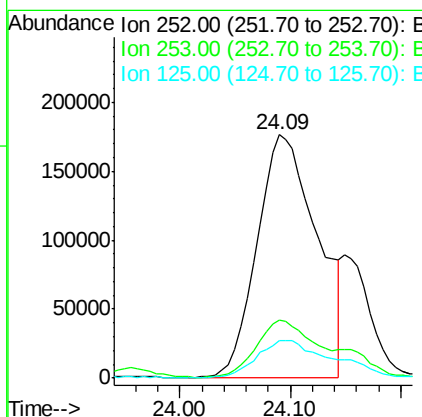
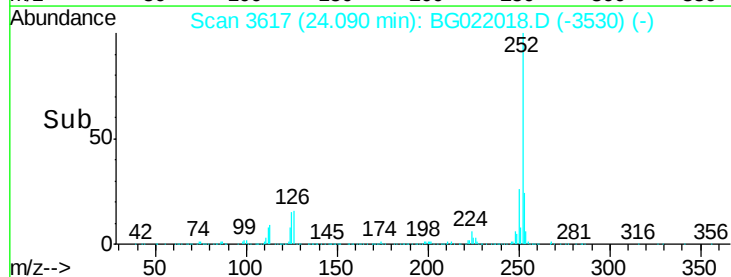
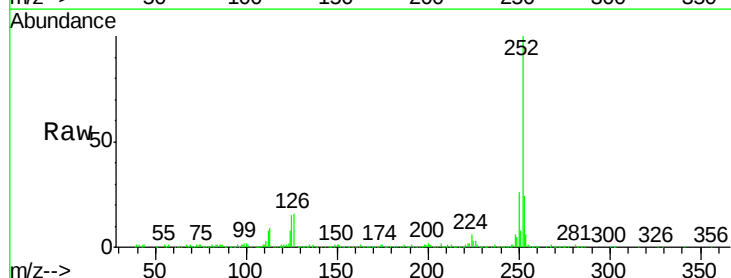
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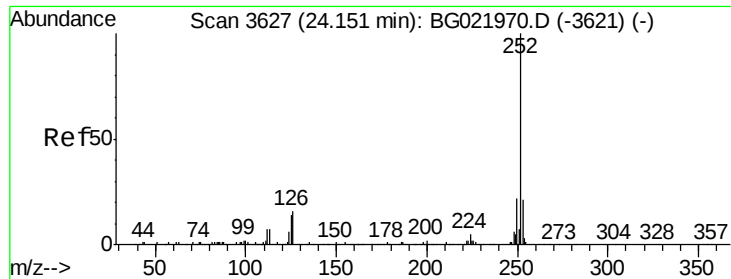
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#35
Benzo(b)fluoranthene
Concen: 66.84 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.01 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.9	18.1	27.1
125	15.5	7.6	11.4





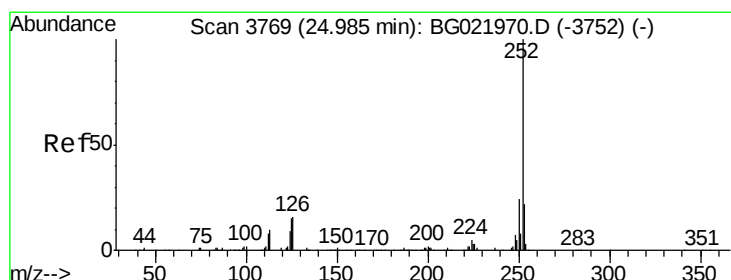
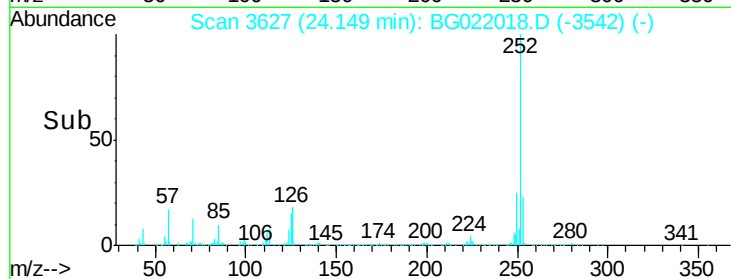
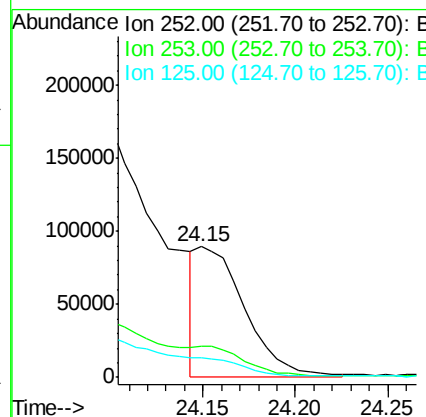
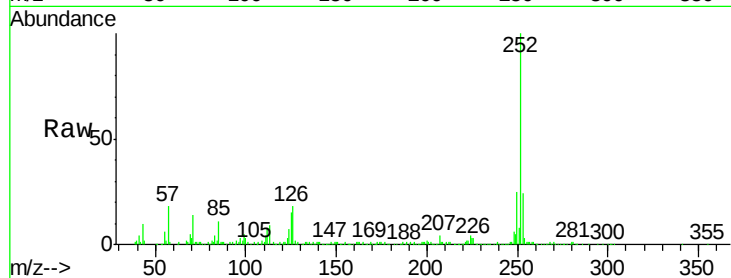
#36
Benzo(k)fluoranthene
Concen: 16.43 ng/ul m
RT: 24.15 min Scan# 3627
Delta R.T. -0.00 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Instrument :
BNA_G
ClientSampleId :
D9XJ9

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	161479		
253	23.5	17.8	26.8	
125	15.3	7.7	11.5#	

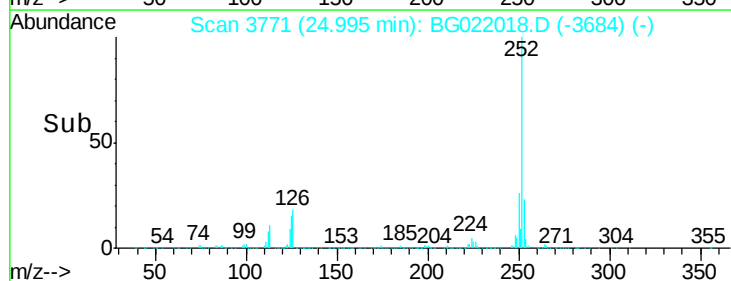
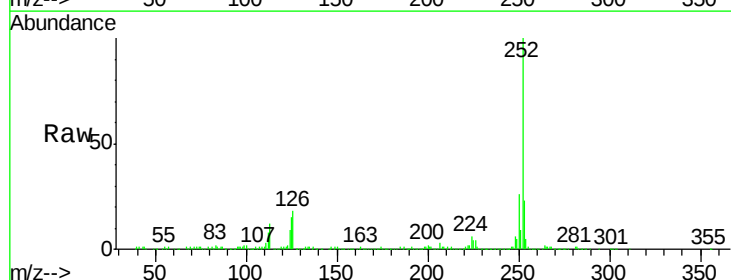
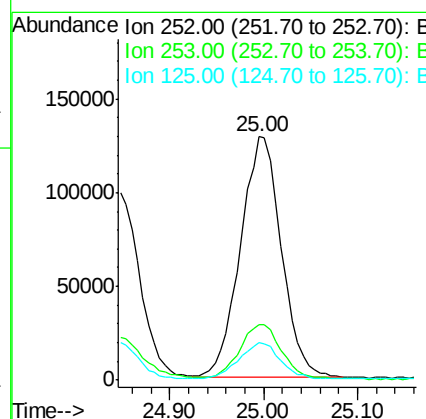
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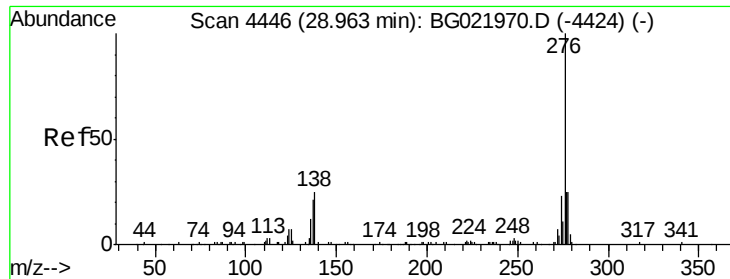
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#38
Benzo(a)pyrene
Concen: 40.51 ng/ul
RT: 25.00 min Scan# 3771
Delta R.T. 0.01 min
Lab File: BG022018.D
Acq: 22 May 2016 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	387137		
253	22.9	17.4	26.0	
125	15.3	8.2	12.2#	





#39

Indeno(1,2,3-cd)pyrene

Concen: 27.74 ng/ul

RT: 28.98 min Scan# 4449

Delta R.T. 0.02 min

Lab File: BG022018.D

Acq: 22 May 2016 18:42

Instrument :

BNA_G

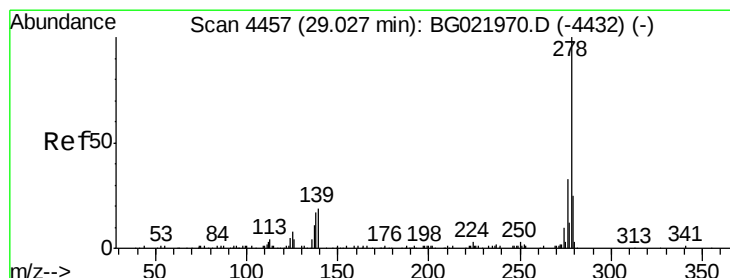
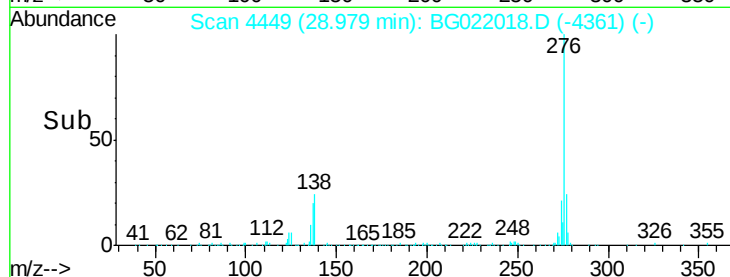
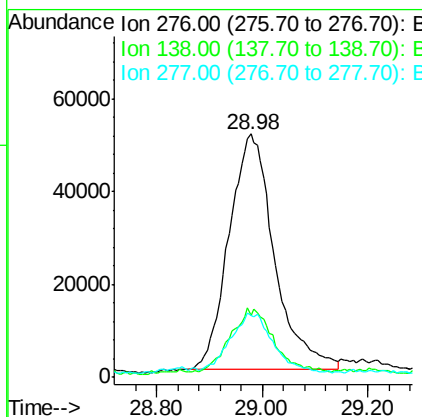
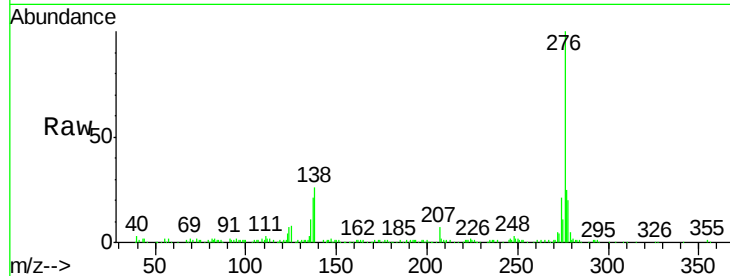
ClientSampleId :

D9XJ9

Tgt Ion:	276	Resp:	301318
Ion Ratio		Lower	Upper
276	100		
138	25.6	15.8	23.6#
277	25.3	19.0	28.6

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#40

Dibenzo(a,h)anthracene

Concen: 8.35 ng/ul m

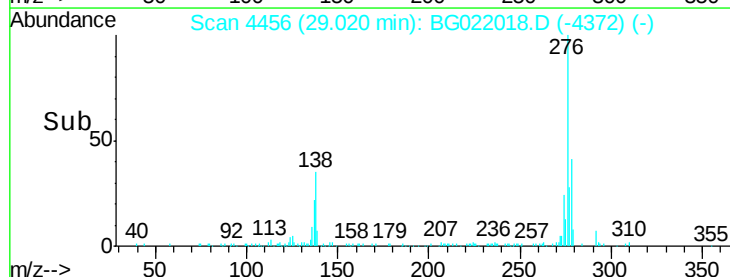
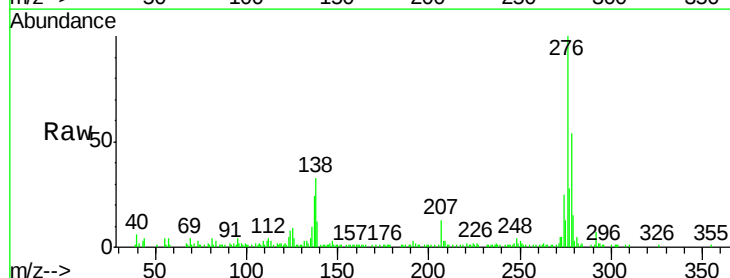
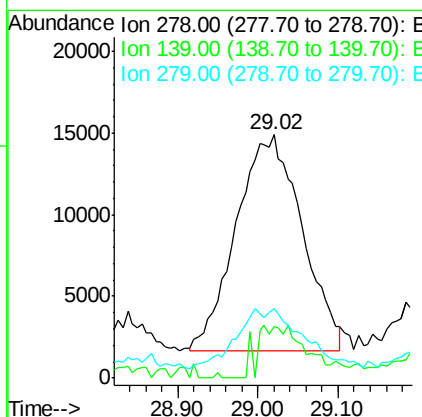
RT: 29.02 min Scan# 4456

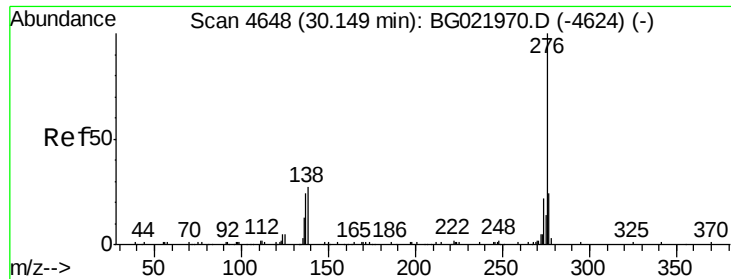
Delta R.T. -0.01 min

Lab File: BG022018.D

Acq: 22 May 2016 18:42

Tgt Ion:	278	Resp:	75154
Ion Ratio		Lower	Upper
278	100		
139	21.4	12.1	18.1#
279	28.3	19.8	29.8





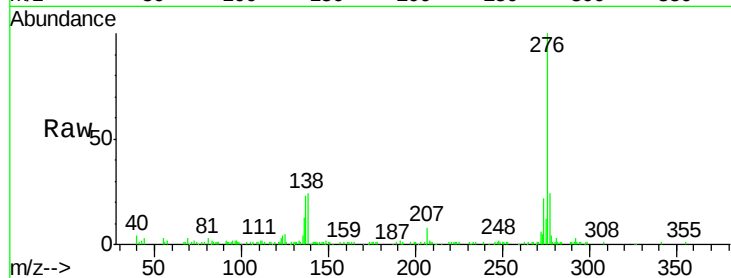
#41
 Benzo(g,h,i)perylene
 Concen: 25.39 ng/ul
 RT: 30.16 min Scan# 4650
 Delta R.T. 0.01 min
 Lab File: BG022018.D
 Acq: 22 May 2016 18:42

Instrument :
 BNA_G
 ClientSampleId :
 D9XJ9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	13.9	20.9#
277	23.8	19.8	29.6

Manual Integrations
 APPROVED

umangi
 5/24/2016 7:33:02 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

